ROLL NO 17

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

Volume 650 & Volume 651

September & October

1951

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

MICRO PHOTO SERVICE
BUREAU
CLEVELAND 3 OHIO

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 648

JULY

1951

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1951

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OFFICIAL GAZETTE

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UNITED STATES PATENT OFFICE

VOLUME 650

SEPTEMBER

1951

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1951

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Klement, Joseph G., doing business as Klement Farms, Bonduel, Wis. Fresh potatoes. Serial No. 591,172, Sept. 4. Class 46.
Knit Products Sales Company, Belmont, N. C. Ladies' hosiery. Serial No. 600,172, Sept. 4. Class 39.
Koepplinger's Bakery, Detroit, Mich. Bread. Serial No. 607,255, Sept. 4. Class 46.
Lamport, Co., Inc., The, New York, N. Y. Piece goods. Serial No. 585,452, Sept. 4. Class 42.
Larus & Brother Company, Richmond, Va. Cigarettes. Serial No. 605,363, Sept. 4. Class 17.
Lemon Cove Association, Lemon Cove, Calif. Fresh citrus fruits. Serial No. 539,183, Sept. 4. Class 46.
Leonard, Peggy, Ltd., Hollywood, Calif. Cream foundation, cleansing cream, skin lotion, etc. Serial No. 600,837, Sept. 4. Class 51.
Lincoln Precision Machining Company—Hoist Division, North Grafton, Mass. Manually operable portable hoists. Serial No. 596,172, Sept. 4. Class 23.
Maple Island Farm, Inc.: *See*—
Maple Island, Inc.
Maple Island, Inc., Stillwater, Minn., by change of name from Maple Island Farm, Inc. Canned infant food. Serial No. 590,380, Sept. 4. Class 46.
Máquinas de Coser Alfa Sociedad Anónima, Eibar (Guipuzcoa) Spain. Sewing and stitching machines as well as spare parts. Serial No. 568,437, Sept. 4. Class 23.
Marchand, Charles, Company, The, New York, N. Y. Hair rinse and tints. Serial No. 605,752, Sept. 4. Class 51.
Marcus, Louis, Corp., The, Baltimore, Md. Misses', women's, and juniors' cloth coats and suits. Serial No. 581,431, Sept. 4. Class 39.
Marino & Son Shoe Corp., New York, N. Y. Ladies' shoes. Serial No. 598,311, Sept. 4. Class 39.
Markwell Manufacturing Company, Inc., New York, N. Y. Staples. Serial No. 598,662, Sept. 4. Class 13.
Marshall, H. Hall, doing business as Consultants' Laboratories of New Jersey, Newark, N. J. Powdered medicament. Serial No. 582,669, Sept. 4. Class 18.
Martino, Peter V., doing business as Fitsall Display Co., Long Island City, N. Y. Platform units. Serial No. 510,713, Sept. 4. Class 32.
Marx Brothers, Birmingham, Ala. Shelled and unshelled pecans and sweetened desiccated coconut. Serial No. 590,788, Sept. 4. Class 46.
Marx & Cohen Company, St. Louis, Mo. Pads for ironing boards. Serial No. 612,131, Sept. 4. Class 24.
Masback Incorporated, New York, N. Y. Wire screen cloth, lawn sprinklers, radiator air valve and screen door closers. Serial No. 561,842, Sept. 4. Class 13.
Mason, Ehrman & Co., Portland, Oreg. Canned fruit, canned vegetables, canned salmon, etc. Serial No. 606,876, Sept. 4. Class 46.
Maurer & Halstead, Inc., Pomona, Calif. Paper. Serial No. 589,794, Sept. 4. Class 37.
Mayer, Gus, Co., Limited, New Orleans, La. Women's cloth coats, fur coats, or coats of combinations of cloth and fur. Serial No. 589,666, Sept. 4. Class 39.
Mead Johnson & Company, Evansville, Ind. Concentrated solution. Serial No. 605,106, Sept. 4. Class 18.
Merrimack Manufacturing Company, Lowell, Mass. Piece goods. Serial No. 586,100, Sept. 4. Class 42.
Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc. Varnishes. Serial No. 539,608, Sept. 4. Class 16.
Minnesota Paints Inc.: *See*—
Minnesota Linseed Oil Paint Company.
Minnesota Platon Corporation, Pipestone, Minn. Air drying phenolic varnish. Serial No. 569,981, Sept. 4. Class 16.
Money-Meters, Inc., Providence, R. I. Coin or token receiving and registering receptacles. Serial No. 601,994, Sept. 4. Class 26.
Monroe Shirt Company: *See*—
Silfen, Mayer.
Montana Flour Mills Company, Great Falls, Mont. Poultry and stock feed, dog food and fox and mink food, etc. Serial No. 604,378, Sept. 4. Class 46.
Muniz, Manuel, doing business as Pelayo Sausage Co., Tampa, Fla. Canned sausage. Serial No. 596,930, Sept. 4. Class 46.
National Cylinder Gas Company, Chicago, Ill. Cutting, scarfing and similar thermochemical metal removing apparatus. Serial No. 558,501, Sept. 4. Class 34.
National Orchestral Association, Inc., The, New York, N. Y. The promotion of interest, appreciation and understanding of orchestral instruments and music. Serial No. 575,366, Sept. 4. Class 107.
National Union Fire Insurance Company of Pittsburgh, Pittsburgh, Pa., and elsewhere. The underwriting of the following lines of insurance, fire, extended coverage, tornado, etc. Serial No. 523,628, Sept. 4. Class 102.
Nelson Manufacturing Corporation, Pontiac, Mich. Metal stampings. Serial No. 604,701, Sept. 4. Class 14.
Nestle-Le Mur Company, The, New York, N. Y. Hair tinting powder. Serial No. 608,121, Sept. 4. Class 51.
New Jersey Zinc Company, The, New York, N. Y. Slab zinc. Serial No. 607,037, Sept. 4. Class 14.
New London Mills, Inc., New London, Conn. Felt base floor coverings. Serial No. 606,627, Sept. 4. Class 20.
Northern Metal Products Company, Chicago, Ill. Electrical apparatus. Serial No. 609,410, Sept. 4. Class 21.
Northwest Plastics, Incorporated, St. Paul, Minn. Plastic cups and coasters. Serial No. 595,850, Sept. 4. Class 2.
Norton Coal Corporation, Nortonville, Ky. Coal and washed coal. Serial No. 593,362, Sept. 4. Class 1.
Nugent, Wm. W., & Co., Inc., Chicago, Ill. Measuring and indicating devices. Serial No. 606,164, Sept. 4. Class 26.
Oil Well Supply Company, Dallas, Tex. Subsurface pumps and parts thereof. Serial No. 597,974, Sept. 4. Class 23.
Old Bleach Linen Company, Limited, The, Randalstown, Ireland. Linen piece goods, rayon piece goods, cotton piece goods, etc. Serial No. 575,370, Sept. 4. Class 42.
Olze, Alex. F. W.: *See*—
Anders Chemical Corporation.
Omega Machine Company, Providence, R. I. Feeders. Serial No. 607,596, Sept. 4. Class 26.
Osceola Foods, Inc., Osceola, Ark. Oleomargarine. Serial Nos. 607,341–4, Sept. 4. Class 46.
Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Wines. Serial No. 595,393, Sept. 4. Class 47.
Paramount Textile Machinery Co., Chicago, Ill. Hosiery setting machines. Serial No. 598,202, Sept. 4. Class 23.
Parfums Ciro, Inc., New York, N. Y. Perfume. Serial No. 602,853, Sept. 4. Class 51.
Parker, Stearns and Company, Brooklyn, N. Y. Pre-shaped pneumatic seat fillers. Serial No. 584,992, Sept. 4. Class 19.
Parkview Markets, Inc., Cincinnati, Ohio. Canned vegetables. Serial No. 596,375, Sept. 4. Class 46.
Patek Brothers, Inc., Milwaukee, Wis. Paint. Serial No. 531,823, Sept. 4. Class 16.
Paulsen-Webber Cordage Corporation, New York, N. Y. Twine. Serial No. 608,473, Sept. 4. Class 7.
Peck, Samuel W., Inc., New York, N. Y. Men's, Ladies' and children's clothing. Serial No. 609,258, Sept. 4. Class 39.
Peck, Samuel W., Inc., New York, N. Y. Men's, ladies' and children's clothing. Serial No. 609,377, Sept. 4. Class 39.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Alkalis. Serial No. 607,449, Sept. 4. Class 6.
Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Penetrating oils. Serial No. 596,943, Sept. 4. Class 15.
Peterson, Delmont R., doing business as Peterson Welding Laboratories, Kansas City, Mo. Electrically powered table type vibratory grinding machines. Serial No. 578,463, Sept. 4. Class 23.
Peterson Welding Laboratories: *See*—
Peterson, Delmont R.
Pharma-Craft Corporation, The, New York, N. Y. Laxative. Serial No. 609,738, Sept. 4. Class 18.
Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Quick drying synthetic lustreless enamel. Serial No. 565,717, Sept. 4. Class 16.
Photometric Corporation, The, New York, N. Y., assignee of Richard Bennett Associates, Inc. Men's and women's suits, coats, jackets, etc. Serial No. 541,802, Sept. 4. Class 39.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 596,189, Sept. 4. Class 18.
Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial Nos. 594,398–400, Sept. 4. Class 46.
Pinkham, E. F., & Son, Exeter, Calif. Fresh grapes. Serial No. 607,189, Sept. 4. Class 46.
Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Chemicals—namely, coke, pitch, pyridine still residues, etc. Serial No. 587,502, Sept. 4. Class 1.
Plastylite Corporation, Plainfield, N. J. Plastic handles for electric irons, plastic plates for electric switches, etc. Serial No. 503,326, Sept. 4. Class 21.
Posees, Inc., Jersey City, N. J. Adhesive tape. Serial No. 599,014, Sept. 4. Class 5.
Posees, Inc., Jersey City, N. J. Liquid adhesive. Serial No. 599,256, Sept. 4. Class 5.
Preview Sportwear: *See*—
Donath, Henry.
Prince, B., & Co.: *See*—
Walker, Alfred M.
Progressive Ribbon Co., New York, N. Y. Textile belting. Serial No. 578,412, Sept. 4. Class 40.
Pure Oil Company, The, Chicago, Ill. Services rendered to automobiles, trucks, etc. Serial No. 527,988, Sept. 4. Class 103.
R & K Dress Corporation, New York, N. Y. Junior misses' and ladies' dresses, coats, suits, etc. Serial No. 598,273. Sept. 4. Class 39.

Radiant Color Company, Oakland, Calif. Non-sensitized paper. Serial No. 576,137, Sept. 4. Class 37.
Rall Air Equipment Company, Los Angeles, Calif. Rivets. Serial No. 610,461, Sept. 4. Class 13.
Rand Rubber Company, Inc., Brooklyn, N. Y. Baby pants. Serial No. 607,452, Sept. 4. Class 39.
Reid, Rose M., Los Angeles, Calif. Swim suits, shorts, skirts, etc. Serial No. 586,063, Sept. 4. Class 39.
Reemco, Inc., Zellenople, Pa. Coupling nuts. Serial No. 584,416, Sept. 4. Class 13.
Republic Foil and Metal Mills Incorporated, Danbury, Conn. Aluminum foil, coated and uncoated, and aluminum foil combined with paper, etc. Serial No. 596,802, Sept. 4. Class 14.
Resillo Company, Chicago, Ill. Press pads. Serial No. 599,118, Sept. 4. Class 24.
Rialto Heights Association: *See*—
Rialto Heights Orange Growers.
Rialto Heights Orange Growers, Rialto, Calif., assignee of H. B. Harlow, doing business as Rialto Heights Orange Growers and also doing business as Rialto Heights Association. Fresh citrus fruits. Serial No. 520,946, Sept. 4. Class 46.
Richmond Broom Company, Richmond, Va. Household brooms. Serial No. 600,511, Sept. 4. Class 29.
Rippe, Harry C., Mount Vernon, N. Y. Unimpregnated polishing, cleaning, and dusting mitt. Serial No. 584,696, Sept. 4. Class 29.
Robertson, H. H., Company, Pittsburgh, Pa. Synthetic resin adhesives. Serial No. 594,859, Sept. 4. Class 5.
Rollex Fastener Co., Inc., New York, N. Y. Slide fasteners. Serial No. 610,145, Sept. 4. Class 13.
Roxborough Company, The, Philadelphia, Pa. Women's hosiery. Serial No. 607,685, Sept. 4. Class 39.
Rust Master Chemical Company, Cambridge, Mass. Carbureter and fuel line conditioner. Serial No. 596,298, Sept. 4. Class 52.
Safety Grinding Wheel & Machine Co.: *See*—
Simonds Worden White Company.
Saks, M. J., Shoe Corp., New York, N. Y. Leather, cloth top, satin top, metallic cloth top, and plastic top boots, shoes, pumps, etc. Serial No. 596,051, Sept. 4. Class 39.
Sandvig, Clarence E., doing business as The Cesco Company, Minneapolis, Minn. Partially printed forms and envelopes. Serial No. 604,598, Sept. 4. Class 37.
Schramm, Inc., West Chester, Pa. Engine driven air compressors. Serial No. 596,869, Sept. 4. Class 23.
Schwartz, Fred J., Toledo, Ohio. Fasteners and supports. Serial No. 574,250, Sept. 4. Class 13.
Scintilla Ltd., Soleure, Switzerland. Propulsion systems and apparatus for land, air, and water vehicles, etc. Serial No. 598,754, Sept. 4. Class 23.
Scott Paper Company, Chester, Pa. Toilet paper. Serial No. 601,515, Sept. 4. Class 37.
Sculpto-Foto, Inc., Chicago, Ill. Photographs. Serial No. 607,046, Sept. 4. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Buffing and polishing equipment and supplies. Serial No. 571,099, Sept. 4. Class 4.
Service Industries (a trust), Philadelphia, Pa. General purpose concentrated liquid adhesive. Serial No. 600,230, Sept. 4. Class 5.
Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Ball cock seat caps, ball cock screws, ball cock thumb screws, etc. Serial No. 610,149, Sept. 4. Class 13.
Sexton, John, & Co., Chicago, Ill. Toothpicks. Serial No. 574,713, Sept. 4. Class 44.
Shallenberger, Garvin D., Missoula, Mont. Shoe shining kits. Serial No. 605,234, Sept. 4. Class 29.
Sherman, M., & Co., New York, N. Y. Ladies' outer blouses. Serial No. 598,276, Sept. 4. Class 39.
Sherman, Nathan, Philadelphia, Pa. Weekly publication. Serial No. 590,904, Sept. 4. Class 38.
Shillito, John, Company, The: *See*—
Federated Department Stores, Inc.
Shillito, John, Company Division: *See*—
Federated Department Stores, Inc.
Silfen, Mayer, doing business as Monroe Shirt Company, New York, N. Y. Dress, negligee, and work shirts. Serial No. 561,411, Sept. 4. Class 39.
Sierra Club, San Francisco, Calif. Exploring and discovering, gathering, compiling and disseminating information about parts of the earth and its life. Serial No. 598,612, Sept. 4. Class 100.
Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio. Abrasive grinding wheels. Serial No. 574,651, Sept. 4. Class 4.
Snedeker & Co., Inc., New York, N. Y. Elastic braids, tapes, or bands and elastic cotton and ribbons, etc. Serial No. 581,689, Sept. 4. Class 40.
Sonoco Products Company, Hartsville, S. C. Corrugating board. Serial No. 574,793, Sept. 4. Class 37.
Spencer, William, & Son (Waterfoot) Limited, Waterfoot, Rossendale, England. Boots, shoes, slippers, etc. Serial No. 578,903, Sept. 4. Class 39.
Squibb, E. R., & Sons, New York, N. Y. Antianemic preparation. Serial No. 602,293, Sept. 4. Class 18.
Standard Ribbon Co., New York, N. Y. Seam binding. Serial No. 607,360, Sept. 4. Class 40.
Standard Varnish Works, Staten Island, N. Y. Liquid filler. Serial No. 561,155, Sept. 4. Class 16.
Stewart Company: *See*—
Cumback, Oliver S.
Strike-Master, Inc.: *See*—
Foster Leader and Tackle Co.
Stuhmer, Geo. F., & Company, Brooklyn, N. Y. Bakery products. Serial No. 595,289, Sept. 4. Class 46.
Stupell, Carole, Ltd., New York, N. Y. Table settings. Serial No. 597,711, Sept. 4. Class 50.
Sun Rubber Company, The, Barberton, Ohio. Basketball covers, football covers, and soccer ball covers. Serial No. 597,237, Sept. 4. Class 22.
Swenson, Aut, Springfield, Mo. Entertainment service. Serial Nos. 606,180–1, Sept. 4. Class 107.
Tanbro Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 610,241, Sept. 4. Class 42.
Telu Enterprises, Inc., New York, N. Y. Lead pencils. Serial No. 608,092, Sept. 4. Class 37.
Thompson Horticultural Chemicals Corporation, Los Angeles, Calif. Insecticides. Serial No. 601,962, Sept. 4. Class 6.
Triangle Jack Company, Inc., The, Wichita, Kans. Manually operated mechanical jacks. Serial No. 604,670, Sept. 4. Class 23.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
United Hosiery Mills Corporation, Chattanooga, Tenn. Cotton yarn. Serial No. 608,183, Sept. 4. Class 43.
United States Rubber Company, New York, N. Y. Inflatable cushions for use as a permanent part of a vehicle seat. Serial No. 583,963, Sept. 4. Class 19.
United States Rubber Company, New York, N. Y. Hose. Serial No. 605,080, Sept. 4. Class 35.
United States Steel Company: *See*—
Carnegie-Illinois Steel Corporation.
Vadium Corporation, The, Wilmington, Del. Textile fabrics. Serial No. 597,990, Sept. 4. Class 42.
Van Raalte Company, Inc., New York, N. Y. Girdles. Serial No. 609,113, Sept. 4. Class 39.
Vector Manufacturing Company, Houston, Tex. Electrical psychophysical apparatus. Serial No. 517,096, Sept. 4. Class 26.
Vernon Company, The, Newton, Iowa. Basketball sets. Serial No. 564,486, Sept. 4. Class 22.
Vintage Wines, Inc., New York, N. Y. Cherry wine. Serial No. 606,346, Sept. 4. Class 47.
Vita-Foot Massager Co.: *See*—
Dorrance, Harold J.
Waddle's Drive-In Coffee Shop, Portland, Oreg. Prepared food products. Serial No. 554,338, Sept. 4. Class 46.
Wafer Products Co., The: *See*—
Weisberger, Joseph.
Walker, Alfred M., doing business as B. Prince & Co., San Francisco, Calif. Wrist watch straps. Serial No. 585,089, Sept. 4. Class 28.
Walters' "Palm" Toffee Limited, London, England. Serial No. 560,669, Sept. 4. Class 46.
Warren & Staggers, Adairville, Ky. Squeegee. Serial No. 606,095, Sept. 4. Class 29.
Warsop Petrol Drill & Tools Ltd., London, England. Rock drills, road-breaking machines, tamping machines, etc. Serial No. 564,488, Sept. 4. Class 23.
Weast: *See*—
Weast, Louis S.
Weast, Louis S., doing business as Weast, Los Angeles, Calif. Foldable shopping carts. Serial No. 587,772, Sept. 4. Class 19.
Weather-Seal Inc., Barberton, Ohio. Varnish. Serial No. 606,992, Sept. 4. Class 16.
Weinberg, Albert B., deceased; M. Weinberg and B. Furgatch, executors, assignors to H. L. Weisburg, New York, N. Y. Women's, misses', girls' dresses, coats, underwear, etc. Serial No. 595,575, Sept. 4. Class 39.
Weinberg, Albert B., deceased; M. Weinberg and B. Furgatch, executors, assignors to H. L. Weisburg, New York, N. Y. Women's, misses', girls' dresses, coats, underwear, etc. Serial Nos. 595,577–8, Sept. 4. Class 39.
Weinberg, Maxine: *See*—
Weinberg, Albert B.
Weisberger, Joseph, doing business under the name and style of The Wafer Products Co., Leonia, N. J. Preparation for the treatment of pyorrhea, gingivitis, etc. Serial No. 602,534, Sept. 4. Class 18.
Weisburg, Henry L.: *See*—
Weinberg, Albert B.
Welch Grape Juice Company, The, Westfield, N. Y. Grape juice. Serial No. 607,783, Sept. 4. Class 45.
Wella Corporation, The, New York, N. Y. Preparation containing keratin for use after shampooing. Serial No. 577,997, Sept. 4. Class 51.
West Bend Equipment Corporation, West Bend, Wis. Hand pulled hydraulically operated lift truck wheeled and nonwheeled hydraulically operated freight elevators. Serial No. 541,901, Sept. 4. Class 23.
West Coast Packing Corporation, Long Beach, Calif. Canned tuna. Serial No. 608,525, Sept. 4. Class 46.
West Coast Trading Company: *See*—
Houser, Paul H.
Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. Serial No. 526,070, Sept. 4. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, papeteries. Serial No. 526,125, Sept. 4. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. Serial No. 526,144, Sept. 4. Class 37.

Wharton Brassiere Co., Inc., Wharton, N. J. Brassières. Serial No. 607,303, Sept. 4. Class 39.
White Wood Products Co., Inc., Bogalusa, La. Broom, mop, sweeper, and brush handles. Serial No. 606,832, Sept. 4. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes, flat sash trim brushes, oval sash tool brushes, etc. Serial No. 599,542, Sept. 4. Class 29.
Whiting-Plover Paper Company, Stevens Point, Wis. Writing and typing paper. Serial No. 608,136, Sept. 4. Class 37.
Williams Brush Company, Inc., New York, N. Y. Toothbrushes. Serial No. 605,977, Sept. 4. Class 29.
Williamson, Garfield, Inc., Jersey City, N. J. Grass seed. Serial No. 596,211, Sept. 4. Class 1.
Wolfe, Cecil E., Detroit, Mich. Partially printed football score cards. Serial No. 604,756, Sept. 4. Class 37.
Wolf's, A., Sons, Inc., Boston, Mass. Root beer and syrups. Serial No. 600,638, Sept. 4. Class 45.
Wood, Gar, Industries, Inc., Wayne, Mich. Hydraulic pumps, etc. Serial No. 536,890, Sept. 4. Class 23.
Wood, Gar, Industries, Inc., Wayne, Mich. Hydraulic pumps, etc. Serial No. 537,763, Sept. 4. Class 23.
Woodboss Inc., Portland, Oreg. Portable internal combustion engines. Serial No. 567,162, Sept. 4. Class 23.
World Editions, Inc., New York, N. Y. Periodical publications. Serial No. 586,898, Sept. 4. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Aeroplane Spinner Manufacturing Co.: *See*—
Scanlan, Elizabeth S.
Aig-Schechner, Inc., New York, N. Y. Infants' crawlers, creepers, and cardigan jackets. 547,582, Sept. 4; Serial No. 602,482, published June 12, 1951. Class 39.
Ainsworth, George, Long Island City, N. Y. Unitary electric lighting fixtures. 352,150, Nov. 23, 1937. Republished Sept. 4. Class 21.
Aisenstein, Louis, & Bros., New York, N. Y., assignor to Louis Aisenstein & Bros. Inc., by Hallmark Watch Corporation, Chicago, Ill. Watch and clock movements. 425,504, Nov. 26, 1946. Republished Sept. 4. Class 27.
Aisenstein, Louis, & Bros. Inc.: *See*—
Aisenstein, Louis, & Bros.
Aldredge, James H., doing business as Beats All Mfg. Co., Atlanta, Ga. Cleaning preparation. 547,643, Sept. 4; Serial No. 587,309. Class 52.
Allen Underwear Mfg. Co., Inc., New York, N. Y. Ladies' and misses' panties, slips, nightgowns, etc. 547,595, Sept. 4; Serial No. 604,174, published June 12, 1951. Class 39.
Allied Drugs, Inc., Hackensack, N. J. Medicinal preparation. 547,560, Sept. 4; Serial No. 600,111, published May 29, 1951. Class 18.
Allied Laboratories, Inc., Kansas City, Mo. Veterinary anthelmintic composition. 547,551, Sept. 4; Serial No. 598,625, published May 22, 1951. Class 18.
Almor Rug and Furniture Cleaners, Chester, Pa. Kit of selected cleaning fluids. 547,491, Sept. 4; Serial No. 589,548, published May 22, 1951. Class 52.
Althouse Chemical Company, Inc., Reading, Pa. Dyes and dyestuffs. 547,509, Sept. 4; Serial No. 593,152, published June 12, 1951. Class 6.
Ambrose and Company, Denver, Colo. Wines. 547,564, Sept. 4; Serial No. 600,803, published May 22, 1951. Class 47.
Ambrosy, Pedro R., doing business under the name of Hijo de Pedro Romero, Sanlucar De Barrameda, Cadiz, Spain. Brandy. 547,543, Sept. 4; Serial No. 597,806, published May 22, 1951. Class 49.
American Bottlers of Carbonated Beverages, Washington, D. C. Chemical control compositions. 547,574, Sept. 4; Serial No. 601,488, published June 12, 1951. Class 6.
American Brake Shoe Company: *See*—
American Brake Shoe and Foundry Company
American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y., to American Brake Shoe Company, New York, N. Y. Brake shoes. 288,054, Renewed Oct. 20, 1951. O. G. Sept. 4. Class 19.
American Brands Corporation, Redwood City, Calif. Prepared mix of sugar, pectin, fruit juices, etc. 547,507, Sept. 4; Serial No. 592,744, published Apr. 24, 1951. Class 46.
American Cabinet Company, The: *See*—
Hamilton Manufacturing Company.
American Colloid Company, Chicago, Ill. Wyoming type bentonite. 547,635, Sept. 4; Serial No. 577,924. Class 1.
American Sheet Metal Works, New Orleans, La. Rat guards. 391,505, Nov. 11, 1941. Republished Sept. 4. Class 50.
Ames Harris Neville Co., San Francisco, Calif. Swinging couch hammocks, davenports, etc. 253,529, Feb. 26, 1929. Republished Sept. 4. Class 32.
Argus Chemical Laboratory, Inc., Brooklyn, N. Y. Chemical compound. 547,576, Sept. 4; Serial No. 601,880, published June 12, 1951. Class 6.
Armco International Corporation, The, Middletown, Ohio. Steel and alloys of iron and steel, etc. 547,485, Sept. 4; Serial No. 588,266, published June 12, 1951. Class 14.
Associated Merchandising Corporation, The, New York, N. Y. Men's gloves. 547,598, Sept. 4; Serial No. 604,344, published June 12, 1951. Class 39.
Atlas Import & Export Corporation, assignor to Schenley Industries, Inc., New York, N. Y. Wines. 547,466, Sept. 4; Serial No. 586,230, published June 5, 1951. Class 47.
Atlas Mineral Products Company of Pennsylvania, The, Mertztown, Pa. Bituminous pipe joint material. 547,471, Sept. 4; Serial No. 587,233, published May 22 1951. Class 12.
Attorney General of the United States, Vested in the: *See*—
Lingner, Karl A.
Mülhens, Paul P.
"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Deluge sprinkler units, piping, valves, and sprinklers therefor. 547,682, Sept. 4; Serial No. 608,851. Class 13.
Avco Manufacturing Corporation, Cincinnati, Ohio. Domestic electric refrigerators and home freezers. 547,572, Sept. 4; Serial No. 601,348, published June 12, 1951. Class 31.
B & B Mfg. Co.: *See*—
Brunt, Kenneth I.
B & B Novelty Mfg. Co.: *See*—
Brunt, Kenneth I.
Bacarisse, Eugene B., New York, N. Y. Canned beans. 547,679, Sept. 4; Serial No. 607,280. Class 46.
Bacmo Postman Corporation, New York, N. Y. Ladies' gloves. 547,567, Sept. 4; Serial No. 601,014, published June 12, 1951. Class 39.
Baird, William M., Chicago, Ill. Electric ironing cord holders. 547,642, Sept. 4; Serial No. 587,005. Class 21.
Bar-B-Buns, Incorporated, Cincinnati, Ohio. Baking pan. 547,490, Sept. 4; Serial No. 589,244, published June 12, 1951. Class 13.
Bar-Bee Prod. Co.: *See*—
Havens, Louis A.
Barletta Wine Company, Inc., New York, N. Y. Wines. 547,422, Sept. 4; Serial No. 571,693, published June 12, 1951. Class 47.
Beats All Mfg. Co.: *See*—
Aldredge, James H.
Beaumont Laboratories: *See*—
Grove Laboratories, Inc., The
Beaver Home Products Co., Inc., Camden and Mount Ephraim, assignor to The General Cellulose Company, Inc., Westfield, N. J. Soap. 547,377, Sept. 4; Serial No. 588,978, published Mar. 21, 1950. Class 52.
Belle, Amelia: *See*—
Koss Theodore
Benmatt Organization, The, Los Angeles, Calif. Metal cooking utensil. 547,452, Sept. 4; Serial No. 583,190, published June 12, 1951. Class 13.
Bennett Bros. (Hosiery Mftrs. & Dyers) Limited, Hinckley, Leicestershire, England. Stockings and socks. 547,478, Sept. 4; Serial No. 587,780, published June 12, 1951. Class 39.
Berelson, D. B., & Co., San Francisco, Calif. Canned fish. 547,668, Sept. 4; Serial No. 602,188. Class 46.
Bert and Wetta, Maize, Kans. Large self-propelled combination alfalfa cutter and chopper. 547,431, Sept. 4; Serial No. 574,486, published Apr. 17, 1951. Class 23.
Bessing, Clarence, Los Angeles, Calif., to Fillmore Lemon Association, Fillmore, Calif. Fresh citrus fruits. 288,134, renewed Oct. 20, 1951. O. G. Sept. 4. Class 46.
Best Made Silk Hosiery Company, Quakertown, Pa. Ladies' hosiery. 547,373, Sept. 4; Serial No. 524,854, published June 5, 1951. Class 39.
Bettencourt, Alfred S., doing business as Meat Seasoning and Tenderizing Company, East Orange, N. J. Hand operated injecting devices. 547,381, Sept. 4; Serial No. 541,007, published Apr. 17, 1951. Class 23.
Blaw-Knox Company, Pittsburgh, Pa. Clamshell buckets, dolomite machines, etc. 547,392, Sept. 4; Serial No. 552,345, published Dec. 26, 1950. Class 23.
Bol Manufacturing Company, The, Chicago, Ill., assignor to W. Boyd, Beverly Hills, Calif. Powders used in making non-alcoholic maltless beverages. 547,510, Sept. 4; Serial No. 593,392, published June 12, 1951. Class 45.
Book Drug Company, The: *See*—
Reynolds, Wiley A.
Boston Gear Works: *See*—
Murray Company of Texas, Inc., The.
Boulanger Soeurs, Ogunquit, Maine. Hair salve. 547,644, Sept. 4; Serial No. 588,075. Class 18.
Bourjois, Inc., New York, N. Y. Rouge. 547,628, Sept. 4; Serial No. 566,497. Class 51.
Bowey's, Inc., Chicago, Ill. Combination of bananas, other canned fruits; flavors and colors. 288,398, renewed Oct. 27, 1951. O. G. Sept. 4. Class 46.

Bowey's Inc., Chicago, Ill. Hot chocolate powder. 288,401 renewed Oct. 27, 1951. O. G. Sept. 4. Class 46.

Bowman Gum, Inc., Philadelphia, Pa. Chewing gum. 547,432 Sept. 4; Serial No. 574,685, published June 12, 1951. Class 46.

Boyd, William: *See*—
Bol Manufacturing Company, The.

Boyd, William, Beverley Hills, Calif. Toy guns. 547,603. Sept. 4; Serial No. 606,124, published May 15, 1951. Class 22.

Bozman, Clyde S., Barberton, Ohio. Artificial fish lures. 547,633 Sept. 4; Serial No. 593,580. Class 22.

Brannock, Charles F., doing business as The Brannock Device Company, Syracuse, N. Y. Foot measuring instruments. 547,371, Sept. 4; Serial No. 462,218, published Apr. 17, 1951. Class 26.

Brannock Device Company, The: *See*—
Brannock, Charles F.

Briggs Manufacturing Company, Detroit, Mich. Sinks, set wash-basins, laboratories, etc. 547,408, Sept. 4; Serial No. 561,880, published June 12, 1951. Class 13.

Brown, Robert J., Asheville, N. C. Educational and entertainment services. 547,612, Sept. 4; Serial No. 593,466, published June 12, 1951. Class 107.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes. 547,592, Sept. 4; Serial No. 603,763, published June 5, 1951. Class 17.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard balls. 547,398, Sept. 4; Serial No. 558,855, published May 15, 1951. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. 547,429, Sept. 4; Serial No. 574,192, published May 15, 1951. Class 22.

Brunt, Kenneth I., doing business as B & B Mfg. Co. and B & B Novelty Mfg. Co., Battle Creek, Mich. Children's toy bank. 547,409, Sept. 4; Serial No. 562,750, published May 15, 1951. Class 22.

Bunyan, Paul, Bait Company, The, Minneapolis, Minn. Fishing tackle. 547,434, Sept. 4; Serial No. 574,892, published May 15, 1951. Class 22.

Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 547,460, Sept. 4; Serial No. 585,103, published June 12, 1951. Class 39.

Burnand, A. A., Jr.: *See*—
Burnand & Company.

Burnand & Company, Los Angeles, Calif., and Nogales, Ariz., by A. A. Burnand, Jr., Nogales, Ariz. Fresh vegetables, fresh deciduous fruits, etc. 247,768, Oct. 2, 1928. Republished Sept. 4. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Preparation for reducing acidity. 283,778, renewed June 9, 1951. O. G. Sept. 4. Class 18.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Medicinal acids, acids for chemical reagents, etc. 286,409, renewed Aug. 25, 1951. O. G. Sept. 4. Class 51.

Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Medicinal preparation. 547,499, Sept. 4; Serial No. 591,351, published May 29, 1951. Class 18.

Bustamante, Jose, S. L., Jerez de la Frontera, Spain. Brandies, liqueurs and cognacs. 547,424, Sept. 4; Serial No. 572,159, published June 12, 1951. Class 49.

California Consumers Corporation, Los Angeles, Calif. Frozen orange juice. 547,384, Sept. 4; Serial No. 545,436, published May 8, 1951. Class 46.

Canada Dry Ginger Ale, Incorporated, New York, N. Y. Non-alcoholic, maltless beverage. 547,404, Sept. 4; Serial No. 560,187, published Aug. 23, 1949. Class 45.

Cellowax Company, The: *See*—
Milwaukee Lubricants Co.

Charlotte Chemical Laboratories, Inc., Charlotte, N. C. Chemical putty. 394,792, Apr. 28, 1942. Republished Sept. 4. Class 12.

Chesapeake and Ohio Railway Company, The, Cleveland, Ohio. Railway passenger transportation services. 547,609, Sept. 4; Serial No. 557,896, published June 12, 1951. Class 105.

Childs Company, New York, to Childs Company, Long Island City, N. Y. Cigars and cigarettes. 284,855, renewed July 7, 1951. O. G. Sept. 4. Class 17.

Ciccone, Antonio, doing business as Ciccone Reeds, Chicago, Ill. Reeds for reed musical instruments. 547,487, Sept. 4; Serial No. 588,364, published June 12, 1951. Class 36.

Ciccone Reeds: *See*—
Ciccone, Antonio.

Clarke, H., & Sons, Inc., Baltimore, Md. Remedy for biliousness, etc. 547,445, Sept. 4; Serial No. 581,553, published May 22, 1951. Class 18.

Clark's, Mrs., Foods, Incorporated, Des Moines, Iowa. Swee dressing for fruit salads. 547,626, Sept. 4; Serial No. 564,373. Class 46.

Clear Lake Cannery, Inc., San Francisco, by Lake Country Cannery, Inc., Upper Lake, Calif. Canned vegetables. 273,051, July 22, 1930. Republished Sept. 4. Class 46.

Codman, F. L. & J. C., Company, Rockland, Mass. Buffing wheels. 547,464, Sept. 4; Serial No. 585,745, published May 22, 1951. Class 4.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 547,605, Sept. 4; Serial No. 545,079, published June 12, 1951. Class 104.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 547,607, Sept. 4; Serial No. 549,889, published June 5, 1951. Class 104.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 547,608, Sept. 4; Serial No. 549,892, published June 5, 1951. Class 104.

Commercial Solvents Corporation, New York, N. Y. Denatured alcohol. 547,600, Sept. 4; Serial No. 604,570, published June 12, 1951. Class 6.

Commercial Solvents Corporation, New York, N. Y. Chemical compositions. 547,601, Sept. 4; Serial No. 604,571, published June 12, 1951. Class 6.

Consolidated Quarries Corporation, Decatur, Ga. Crushed stone, granite fines, concrete block, etc. 547,505, Sept. 4; Serial No. 592,420, published May 22, 1951. Class 12.

Copen, S. Irving, Boston, Mass. Medical syringes. 547,624, Sept. 4; Serial No. 577,022. Class 44.

Corley Manufacturing Company, Chattanooga, Tenn. Sawmills, sawmill husks, sawmill carriages, etc. 547,386, Sept. 4; Serial No. 549,714, published May 1, 1951. Class 23.

Cornell Wood Products Company, Chicago, Ill. Fiber thermal insulating board. 282,641, Apr. 28, 1931. Republished Sept. 4. Class 12.

Corning Glass Works, Corning, N. Y. 547,397, Sept. 4. Gauge glasses, Serial No. 602,604, published May 15, 1951. Class 26; Glass lamp chimneys, Serial No. 556,623, published May 29, 1951, Class 34. (Consolidated certificate; Classes 26 and 34.)

Coughlan, G. N., Company, West Orange, N. J. Single household preparation having insecticidal, fungicidal, etc., properties. 547,561, Sept. 4; Serial No. 600,467, published June 12, 1951. Class 6.

Coventry Ware, Inc., Barberton, Ohio. 547,391, Sept. 4. Cases and housings for cigarette lighter elements, Serial No. 594,890, published Feb. 20, 1951, Class 8; Clock cases, Serial No. 594,891, published Jan. 9, 1951, Class 27; Decorative porcelain and china articles, Serial No. 551,950, published May 8, 1951, Class 30; Porcelain book ends, Serial No. 594,892, published Feb. 27, 1951, Class 32; Figurines and animal figures, Serial No. 594,893, published Mar. 27, 1951, Class 50. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)

Creamery Package Mfg. Company, The, Chicago, Ill. Dairy products processing equipment of metal. 547,375, Sept. 4; Serial No. 527,973, published June 12, 1951. Class 2.

Crescent Belt Fastener Company, to Crescent Belt Fastener Company, Inc., New York, N. Y. Fasteners, plates, clamps, etc. 82,212, re-renewed June 13, 1951. O. G. Sept. 4. Class 13.

Crescent Belt Fastener Company, Inc.: *See*—
Crescent Belt Fastener Company.

Crosse & Blackwell Company, The, Baltimore, Md. Alcoholic beverages. 547,565, Sept. 4; Serial No. 600,948, published May 22, 1951. Class 49.

Davis, Nelson L., Company, Chicago, Ill. Coal and ore dressing machinery. 547,476, Sept. 4; Serial No. 587,624, published May 1, 1951. Class 23.

De Vilbiss Company, The: *See*—
De Vilbiss Manufacturing Company, The

De Vilbiss Manufacturing Company, The, by De Vilbiss Company, The, Toledo, Ohio. Power-blowers, atomizers, and nebulizers. 82,875, Aug. 1, 1911. Republished Sept. 4. Class 44.

Dicks, C. O., Co., Detroit, Mich. Gummed paper strips for removing lint from clothes. 547,636, Sept. 4; Serial No. 578,077. Class 29.

Dixieland Records, Inc., New Orleans, La. Grooved phonograph records. 547,453, Sept. 4; Serial No. 583,469, published June 12, 1951. Class 36.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 547,517–18, Sept. 4; Serial No. 594,622–3, published June 12, 1951. Class 6.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 547,519, Sept. 4; Serial No. 594,625, published June 12, 1951. Class 6.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 547,520, Sept. 4; Serial No. 594,630, published June 12, 1951. Class 6.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 547,521, Sept. 4; Serial No. 594,632, published June 12, 1951. Class 6.

Domaines Dopff "Clos du Moulin" Societe a Responsabilite Limitee, Riquewihm, France. Wines and sparkling wines. 547,376, Sept. 4; Serial No. 533,850, published June 5, 1951. Class 47.

Domino Record Co., The: *See*—
Newton, Lloyd G.

Donaxe Company, Portland, Oreg. Scarecrows. 547,623, Sept. 4; Serial No. 534,959. Class 50.

Dowding Tap Company, Wrentham and Plainville, Mass. Cutting tools. 547,667, Sept. 4; Serial No. 601,887. Class 23.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Proprietary solvent alcohol. 547,568, Sept. 4; Serial No. 601,027, published June 12, 1951. Class 6.

Duro-Matic Products Company, Los Angeles, Calif. Gasoline motors for use in toy model vehicles. 547,547, Sept. 4; Serial No. 598,358, published May 15, 1951. Class 22.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic film. 284,948, renewed July 14, 1951. O. G. Sept. 4. Class 26.

Eau de Cologen-& Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens: *See*—
Mülhens, Paul P.

Eclipse Metal Mfg. Corporation, Eden, N. Y. Fluid for starting charcoal or wood fires. 547,650, Sept. 4; Serial No. 592,362. Class 6.

Emco Cement Products, Inc., Paxonis, Pa. Combination of materials used in making artificial building stone. 547,663, Sept. 4; Serial No. 598,172. Class 12.

Empire State Pickling Co., Phelps, N. Y. Canned vegetables fruits, and juices. 547,472, Sept. 4; Serial No. 587,256, published May 15, 1951. Class 46.

Endo Products Inc., Richmond Hill, N. Y. Analgesic. 547,496, Sept. 4; Serial No. 590,432, published May 29, 1951. Class 18.

Enterprise Aluminum Company, The, Massillon, Ohio. Base metal cooking hollow ware. 547,393, Sept. 4; Serial No. 554,886, published June 12, 1951. Class 13.

Esbeco Distilling Corporation, Stamford, Conn. Whiskey. 547,433, Sept. 4; Serial No. 574,693, published May 15, 1951. Class 49.

Essick Manufacturing Company, Los Angeles, Calif. Mixers. 547,637, Sept. 4; Serial No. 583,431. Class 23.

Esslinger's, Inc., Philadelphia, Pa. Beer. 547,588, Sept. 4; Serial No. 603,149, published June 19, 1951. Class 48.

Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Insecticides. 547,638, Sept. 4; Serial No. 583,646. Class 6.

Ets. Clarac Freres & Clauzel, Paris, France. Vermouth. 547,541, Sept. 4; Serial No. 597,600, published May 29, 1951. Class 47.

Fairfield Glove Co., Fairfield, Iowa. Gloves. 547,593, Sept. 4; Serial No. 603,916, published June 5, 1951. Class 39.

Falls City Brewing Company, Inc., Louisville, Ky. Beer. 547,575, Sept. 4; Serial No. 601,824, published June 12, 1951. Class 48.

Fellows Gear Shaper Company, The, Springfield, Vt. Performing a hardening process for others on milling cutters, etc. 547,611, Sept. 4; Serial No. 584,447, published June 12, 1951. Class 106.

Fillmore Lemon Association: *See*—
Bessing, Clarence

Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash., to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 281,413, renewed Mar. 17, 1951. O. G. Sept. 4. Class 46.

Fiato, Paul, Sales Corporation, New York, N. Y. Unfilled containers. 547,580, Sept. 4; Serial No. 602,192, published June 12, 1951. Class 2.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Smoking tobacco. 547,578, Sept. 4; Serial No. 602,145, published June 5, 1951. Class 17.

Fleming-Hall Tobacco Co., Inc., New York, N. Y. Smoking tobacco. 547,579, Sept. 4; Serial No. 602,147, published June 12, 1951. Class 17.

Fletcher Miller Limited, Manchester, England. Colloidal compositions. 547,427, Sept. 4; Serial No. 573,536, published Aug. 29, 1950. Class 6.

Florapak, Inc., New York, N. Y. Fresh flowers. 547,655, Sept. 4; Serial No. 594,264. Class 1.

Food-O-Mat Corporation, New York, N. Y. Display, sales, and storage stands. 542,621, May 22, 1951. Corrected. O. G. Sept. 4. Class 32.

Fraser, Mary, Candies, Inc., doing business as Mary Fraser Candy Studio, by Welch's Candy, Limited, Los Angeles, Calif. Candies. 178,014, Jan. 1, 1924. Republished Sept. 4. Class 46.

Fraser, Mary, Candy Studio: *See*—
Fraser, Mary, Candies, Inc.

Freeman, Norman, doing business as The Woodhill Chemical Co., Cleveland, Ohio. Plastic metallic automobile body solder. 547,639, Sept. 4; Serial No. 584,229. Class 14.

Fuld Bros., Inc., Baltimore, Md. Detergent compositions. 547,523, Sept. 4; Serial No. 595,254, published May 22, 1951. Class 52.

Funk, R., & Company, Inc., Neshaminy, Pa. Line-spacing copy holders. 547,662, Sept. 4; Serial No. 597,864. Class 23.

Garcia, Charles, & Co., Inc., New York, N. Y. Artificial fish lures. 547,537, Sept. 4; Serial No. 597,201, published May 15, 1951. Class 22.

General Cellulose Company, Inc., The: *See*—
Beaver Home Products Co., Inc.

Glaser's Provisions Co., Inc., Omaha, Nebr. Tongue and cheese loaf, beef loaf, pork and beef loaf, etc. 547,489, Sept. 4; Serial No. 588,948, published May 22, 1951. Class 46.

Glasser, Edward F., Chicago, Ill. Preparation for coughs and throat irritations. 434,386, Nov. 18, 1947. Republished Sept. 4. Class 18.

Glaxo Laboratories Limited, Greenford, Middlesex, England. Anti-biotics and vaccines. 547,475, Sept. 4; Serial No. 587,610, published May 29, 1951. Class 18.

Globe-Union Inc.: *See*—
Globe-Union Mfg. Co.

Globe-Union Mfg. Co., to Globe-Union Inc., Milwaukee, Wis. Golf clubs, roller skates, and ice skates. 287,285, renewed Sept. 15, 1951. O. G. Sept. 4. Class 22.

Goldenberg, George, Co., Inc.: *See*—
Goldenberg, George, Inc.

Goldenberg, George, Inc., by George Goldenberg Co., Inc., New York, N. Y. Ladies' and misses' coats, suits, and dresses. 370,931, Sept. 12, 1939. Republished Sept. 4. Class 39.

Goldstein-Gerson Co., New York, N. Y. Gold and platinum jewelry. 547,677, Sept. 4; Serial No. 605,256. Class 28.

Good Humor Corporation, Brooklyn, N. Y. Ice cream and frozen confections. 547,378, Sept. 4; Serial No. 536,602, published May 8, 1951. Class 46.

Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salt codfish. 547,550, Sept. 4; Serial No. 598,561, published May 15, 1951. Class 46.

Grace Bros. Brewing Co., also doing business as North Bay Brewing Co., Santa Rosa, Calif. Beer. 547,420, Sept. 4; Serial No. 570,363, published Apr. 18, 1950. Class 48.

Graham Manufacturing Co., Inc., New York, N. Y. Heat exchangers. 547,627, Sept. 4; Serial No. 566,137. Class 34.

Grand Union Company, The, New York, N. Y. Canned evaporated milk, canned fish, etc. 547,372. Sept. 4; Serial No. 486,574, published May 22, 1951. Class 46.

Great Bear Spring Company, New York, N. Y. Table water. 547,570, Sept. 4; Serial No. 601,209, published May 29, 1951. Class 45.

Great Bear Spring Company, New York, N. Y. Table water. 547,571, Sept. 4; Serial No. 601,211, published May 29, 1951. Class 45.

Gripgauze Inc., New York, N. Y. Medicated gauze bandages. 547,497, Sept. 4; Serial No. 590,934, published May 22, 1951. Class 18.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Co.
Paris Medicine Company, The.

Grove Laboratories, Inc., The, doing business as Beaumont Laboratories, St. Louis, Mo. Medicinal tablet. 322,241, Feb. 26, 1935. Republished Sept. 4. Class 18.

Grove Laboratories, Inc., The, St. Louis, Mo. Medicinal tablet. 402,596, Aug. 3, 1943. Republished Sept. 4. Class 18.

Guibert Steel Company, Pittsburgh, Pa. Machines for drilling, etc. 284,763, renewed July 7, 1951. O. G. Sept. 4. Class 23.

Guild Products, Inc., Cincinnati, Ohio. Portable box-type dispensers. 547,488, Sept. 4; Serial No. 588,371, published June 12, 1951. Class 2.

Guinness, Arthur, Son & Co., Ltd., London, England. Stout. 547,457, Sept. 4; Serial No. 584,905, published June 19, 1951. Class 48.

Hallmark Watch Corporation: *See*—
Aisenstein, Louis, & Bros.
United Jewelers, Inc., The.

Hallock-Denton Co., Newark, N. J. Flavoring extracts. 547,459, Sept. 4; Serial No. 584,985, published June 19, 1951. Class 46.

Hamer Oil Tool Company, Long Beach, Calif. Valves. 547,484, Sept. 4; Serial No. 588,216, published June 19, 1951. Class 13.

Hamilton Manufacturing Company, doing business as The American Cabinet Company, Two Rivers, Wis., and Rahway, N. J. Dentists' and dental furniture. 547,426, Sept. 4; Serial No. 573,126, published June 5, 1951. Class 44.

Handling Devices Co., Inc., Boston, Mass. Industrial suction cleaners. 547,531, Sept. 4; Serial No. 596,465, published May 8, 1951. Class 23.

Hanes Hosiery Mills Company, Winston-Salem, N. C. Hosiery for women and girls. 547,552, Sept. 4; Serial No. 598,725, published June 5, 1951. Class 39.

Harnly Weatherstrip Company: *See*—
Protecto Manufacturing Company.

Harptone Manufacturing Corporation, Newark, N. J. Non-electrical phonographs, and tone arms therefor, guitars, etc. 547,399, Sept. 4; Serial No. 559,024, published June 12, 1951. Class 36.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Children's bicycles. 547,374, Sept. 4; Serial No. 524,986, published May 15, 1951. Class 22.

Harrison, Grace, Salt Lake City, Utah. Crocheted hats, hand crocheted hats, and hand knitted hats. 547,474, Sept. 4; Serial No. 587,548, published June 5, 1951. Class 39.

Harvey, William H., doing business as Wm. H. Harvey Co., Omaha, Nebr. Preformed gaskets for setting toilet bowls. 547,634, Sept. 4; Serial No. 577,385. Class 35.

Harvey, Wm. H., Co.: *See*—
Harvey, William H.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. 547,562, Sept. 4; Serial No. 600,482, published May 29, 1951. Class 18.

Havens, Louis A., doing business as Bar-Bee Prod. Co., Valley Stream, N. Y. Liquid preparation. 547,656, Sept. 4; Serial No. 594,380. Class 6.

Hedwin Corporation, Baltimore, Md. Plastic place mats. 547,676. Sept. 4; Serial No. 605,031. Class 4.

Heineken's Bierbrouwerij Maatschappij, N. V., Amsterdam and Rotterdam, Netherlands. Beer. 547,390, Sept. 4; Serial No. 551,892, published June 19, 1951. Class 48.

Hercules Powder Company, Wilmington, Del. Alkali-soluble cellulose ethers. 547,599, Sept. 4; Serial No. 604,477, published June 12, 1951. Class 6.

Hess-Taylor Company, Inc., New York, N. Y. Women's and misses' hosiery. 547,480, Sept. 4; Serial No. 587,948, published June 5, 1951. Class 39.

Hess-Taylor Co., Inc., New York, N. Y. Ladies' hosiery. 547,481, Sept. 4; Serial No. 587,950, published June 5, 1951. Class 39.

Hijo de Pedro Romero: *See*—
Ambrosy, Pedro R.

Hildreth, H. L., Company: *See*—
Roberts, Fred H.

Hinks Manufacturing Co., Fort Dodge, Iowa. Artificial fishing lures. 547,534, Sept. 4; Serial No. 597,076, published May 15, 1951. Class 22.

Hipwell Manufacturing Company, Pittsburgh, Pa. Flash lights. 547,664, Sept. 4; Serial No. 599,708. Class 21.

Holeproof Hosiery Co., Milwaukee, Wis. Hosiery, pajamas, and slipper sox. 547,532, Sept. 4; Serial No. 596,997, published June 12, 1951. Class 39.

Hollister, Franklin C., Co.: *See*—
Schneider, John D.

Homes, Incorporated, Knoxville, Tenn. Electric heating panels and cables. 547,647, Sept. 4; Serial No. 590,551. Class 21.

Hudson Carbon Paper & Ribbons Mfg. Corp., New York, N. Y. Typewriter ribbons. 547,640, Sept. 4; Serial No. 586,184. Class 11.

Ideal Stitcher & Mfg. Co., Racine, Wis., to W. R. Pabich, doing business as W. R. Pabich Manufacturing Company, Chicago, Ill. Machine for wire stitching signatures, boxes, and books. 284,389, renewed June 23, 1951. O. G. Sept. 4. Class 23.

Illinois Bronze Powder Co., Incorporated, Chicago, Ill. Ready mixed aluminum paint. 547,632, Sept. 4; Serial No. 571,431. Class 16.

Impervious Products Co., Chicago, Ill. Water proofing, fire proofing, and sealing compound. 444,555, Sept. 4; Serial No. 500,662, published Dec. 26, 1950. Class 6.

Index Automatic Machine Company Limited, Birmingham, England. Machine tools. 547,437, Sept. 4; Serial No. 578,450, published June 5, 1951. Class 23.

Intermedico Corporation, New York, N. Y. Aspirin. 547,556. Sept. 4; Serial No. 599,917, published May 29, 1951. Class 18.

International Paper Company, New York, N. Y. Paper bags. 547,594, Sept. 4; Serial No. 604,008, published June 12, 1951. Class 2.

International Paper Company, New York, N. Y. Paper bags. 547,596, Sept. 4; Serial No. 604,205, published June 12, 1951. Class 2.

Jaburg Brothers, Inc., to R. C. Williams & Company, Inc., New York, N. Y. Cutlery, machines, tools and parts thereof, etc. 286,788, renewed Sept. 1, 1951. O. G. Sept. 4. Class 23.

Jaburg Brothers, Inc., to R. C. Williams & Company, Inc., New York, N. Y. Electrical machines and apparatus. 287,161, renewed Sept. 15, 1951. O. G. Sept. 4. Class 21.

Johns-Manville Corporation, New York, N. Y. Heat resistant construction materials. 547,388, Sept. 4; Serial No. 554,705, published May 22, 1951. Class 12.

Johnson-Williams, Ltd., Palo Alto, Calif. Combustible gas indicators. 547,589, Sept. 4; Serial No. 603,334, published May 15, 1951. Class 26.

Juvenile Shoe Corporation of America, The, Aurora, Mo. Tanned leather. 547,678, Sept. 4; Serial No. 607,253. Class 1.

Kaler, Chas. D., Company, Mahanoy City, Pa. Beer. 547,423. Sept. 4; Serial No. 572,103, published June 19, 1951. Class 48.

Karseal Corporation, Los Angeles, Calif. Cleaning preparations. 547,527, Sept. 4; Serial No. 595,789, published May 22, 1951. Class 52.

Kerr, R. W., Plastic Co., Hastings, Nebr. Plastic articles—namely, wheel wedging blocks and automobile sun visors. 543,900, June 19, 1951; corrected Sept. 4. Class 19.

Kickaway Garments, Inc.: *See*—
La Mode Garment Co., Inc.

Kidde, Walter, & Company, Inc., New York, N. Y., to Walter Kidde & Company, Inc., Belleville, N. J. Fire detecting systems, etc. 286,182, renewed Aug. 18, 1951. O. G. Sept. 4. Class 21.

Kiekhaefer Corporation, Fond du Lac, Wis. Outboard motors and parts thereof. 547,586, Sept. 4; Serial No. 602,950, published May 1, 1951. Class 23.

Kigel Textile Company, Toledo, Ohio. Knitted and woven sportswear. 547,483, Sept. 4; Serial No. 588,098, published June 5, 1951. Class 39.

Kindelberger, Charles G., Chicago, Ill. Card games. 547,505, Sept. 4; Serial No. 592,818, published May 15, 1951. Class 22.

King Plow Company, Atlanta, Ga. Stalk cutters and plow stocks. 547,412, Sept. 4; Serial No. 566,154, published May 1, 1951. Class 23.

Koppers Company, Inc.: *See*—
Koppers Products Company.

Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md. Coke oven pusher machines and shaft couplings. 547,410, Sept. 4; 565,636, published June 5, 1951. Class 23.

Koppers Company, Inc., Pittsburgh, Pa. Crude coal tars and pitches, asphalt, and pitch coke. 547,428, Sept. 4; Serial No. 573,951, published June 5, 1951. Class 1.

Koppers Products Company, by Koppers Company, Inc., Pittsburgh, Pa. Insecticides and wood preservatives. 284,033, June 9, 1931. Republished Sept. 4. Class 6.

Koss, Theodore, doing business as Amelia Belle, New York, N. Y. Facial cream, pomade and sun tan oil. 547,581, Sept. 4; Serial No. 602,456, published May 29, 1951. Class 51.

Krantz, Jack M., New York, N. Y. Cotton disposable dust bags. 547,448, Sept. 4; Serial No. 582,382, published June 12, 1951. Class 2.

L. K. R. Chemical Products Corporation, Detroit, Mich. Sealing solvent and corrosion preventative. 547,573, Sept. 4; Serial No. 601,444, published June 12, 1951. Class 6.

Label, Meyer, Co., Inc., New York, N. Y. Cotton felt vulcanized shoe cleaning cloths. 547,646, Sept. 4; Serial No. 589,795. Class 29.

Lady Blue Cosmetics Co., Buffalo, N. Y. Lash treating compound. 547,633, Sept. 4; Serial No. 576,647. Class 51.

Lake Country Cannery, Inc.: *See*—
Clear Lake Cannery, Inc.

La Mode Garment Co., Inc., to Kickaway Garments, Inc., Chicago, Ill. Ladies and children's wearing apparel. 283,127, renewed May 19, 1951. O. G. Sept. 4. Class 39.

La Mode Hosiery Corporation, New York, N. Y. Women's and misses' hosiery. 547,583, Sept. 4; Serial No. 602,511, published June 12, 1951. Class 39.

Lawrence, A. C., Leather Company, Peabody, Mass. Finished leather. 83,586, Sept. 26, 1911. Republished Sept. 4. Class 1.

L'Chayim Kosher Wine Company: *See*—
Schenley Industries, Inc.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Fire hose and conveyor and transmission belting. 547,671, Sept. 4; Serial No. 603,934. Class 35.

Lee's, Betty, Chair Joy Co.: *See*—
Rokes, Betty L.

Lehn & Fink Products Corporation, Bloomfield, N. J. Liquid personal deodorant. 547,597, Sept. 4; Serial No. 604,311, published May 29, 1951. Class 51.

Leibfried, C. H., Mfg. Corp., Brooklyn, N. Y. Pipe supports. 547,407, Sept. 4; Serial No. 561,837, published June 12, 1951. Class 13.

Leroux and Company, Inc., Philadelphia, Pa. Alcoholic beverages and liqueurs. 547,557, Sept. 4; Serial No. 599,377, published June 5, 1951. Class 49.

Lewis-Shepard Company, to Lewis-Shepard Products, Inc., Watertown, Mass. Elevating-trucks. 119,194, Oct. 30, 1917. New certificate. O. G. Sept. 4. Class 19.

Lewis-Shepard Company, to Lewis-Shepard Products, Inc., Watertown, Mass. Elevating-trucks. 119,331, Nov. 13, 1917. New certificate. O. G. Sept. 4. Class 19.

Lewis-Shepard Products, Inc.: *See*—
Lewis-Shepard Company.

Liebenguth, Jeanne, doing business as Jeanne Noel, New York, N. Y. Perfumes, toilet waters, cosmetic creams, etc. 547,645, Sept. 4; Serial No. 589,401. Class 51.

Lilian Marie Apparel Co., Philadelphia, Pa. Women's and children's textile aprons. 547,539, Sept. 4; Serial No. 597,215, published June 12, 1951. Class 39.

Linard, Arist D., Foxboro, Mass. Preparation for the treatment of grippe, etc. 547,442, Sept. 4; Serial No. 579,601, published May 22, 1951. Class 18.

Lingner, Karl A., Dresden, Germany, vested in the Attorney General of the United States, Washington, D. C. Soap. 82,160, re-renewed June 6, 1951. O. G. Sept. 4. Class 52.

Loft Candy Corporation, Long Island City, N. Y. Candy. 547,615, Sept. 4; Serial No. 521,348. Class 46.

Loveli Manufacturing Company, Erie, Pa. Wringers, mangles, and domestic laundry machinery. 36,237, re-renewed Apr. 9, 1951. O. G. Sept. 4. Class 24.

Macco Manufacturing Co. Limited, Wolverhampton, England. Hand tools. 547,553, Sept. 4; Serial No. 598,735, published May 1, 1951. Class 23.

Magnet Cove Barium Corporation, Bellaire, Tex. Additives for drilling mud. 547,630, Sept. 4; Serial No. 568,383. Class 6.

Magnet Cove Barium Corporation, Bellaire, Tex. Oil drilling mud. 547,651, Sept. 4; Serial No. 592,377. Class 12.

Mahogany Association, Inc., Chicago, Ill. Mahogany lumber and veneer. 547,614, Sept. 4; Serial No. 590,555, published May 22, 1951. Class 12.

Maiden Form Brassiere Co., Inc., New York, N. Y. Brassières, bandeaux, corsets, etc. 547,558, Sept. 4; Serial No. 599,833, published June 12, 1951. Class 39.

Makowsky, J., Corporation, New York, N. Y. Creating and formulating designs for boxes, etc. 547,610, Sept. 4; Serial No. 568,852, published June 12, 1951. Class 100.

Maltbie Laboratories, Inc., Newark, N. J. Mercurial diuretic. 547,536, Sept. 4; Serial No. 597,214, published May 29, 1951. Class 18.

Manchester Hosiery Mills, Manchester, N. H. Women's and girls' hosiery. 547,502, Sept. 4; Serial No. 591,855, published June 12, 1951. Class 39.

Marketing & Supply Corp., New York, N. Y. Chicken soup mix. 547,380, Sept. 4; Serial No. 540,083, published May 15, 1951. Class 46.

Markline, Ross E., White Hall, Md. Bottled gas. 547,618, Sept. 4; Serial No. 543,309. Class 6.

Maro Hosiery Co., Inc., New York, N. Y. Hosiery. 547,406, Sept. 4; Serial No. 561,407, published June 5, 1951. Class 39.

Maselli, Frank A., East Lake-Willoughby, Ohio. Cough syrup. 547,436, Sept. 4; Serial No. 577,841, published May 29, 1951. Class 18.

McDowell, Pyle & Co., Inc., Baltimore, Md. Syrups used in making maltless soft drinks. 547,462, Sept. 4; Serial No. 585,385, published June 5, 1951. Class 45.

McKesson & Robbins, Incorporated, Bridgeport, Conn., to McKesson & Robbins, Incorporated, New York, N. Y. Shaving soap and soap. 282,266, renewed Apr. 14, 1951. O. G. Sept. 4. Class 51.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Engine parts and tools. 547,379, Sept. 4; Serial No. 539,066, published Apr. 10, 1951. Class 23.

Meat Seasoning and Tenderizing Company: *See*—
Bettencourt, Alfred S.

Mente & Co., Inc., New Orleans, La. Jute bagging. 283,415, May 26, 1931. Republished Sept. 4. Class 42.

Miami Valley Brewing Co., The, Dayton, Ohio. Beer. 547,389, Sept. 4; Serial No. 551,018, published May 29, 1951. Class 48.

Mil-Kez Specialty Co., Milwaukee, Wis. Granular or powdered composition for absorbing oil and grease. 547,512, Sept. 4; Serial No. 593,739, published May 22, 1951. Class 6.

Miller, J. H., Mfg. Corporation, Quincy, Ill. Molded religious figures and figurines. 547,631, Sept. 4; Serial No. 570,568. Class 50.

Miller, O. D., doing business as Millermac Vineyards, Phoenix, Ariz. Fresh grapes. 547,563, Sept. 4; Serial No. 600,732, published May 15, 1951. Class 46.

Millermac Vineyards: *See*—
Miller, O. D.

Millers Forge Mfg. Corp., New York, N. Y. Manicuring implements. 547,648, Sept. 4; Serial No. 590,820. Class 44.

Milwaukee Lubricants Co., Milwaukee, Wis., by The Cellowax Company, Baltimore, Md. Liquid floor coating, preservative, and polish. 285,900, Aug. 11, 1931. Republished Sept. 4, 1951. Class 16.

Modell, Henry & Co., Inc., New York, N. Y. Archery sets, fishing tackle, etc. 547,526, Sept. 4; Serial No. 595,547, published May 15, 1951. Class 22.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 547,506, Sept. 4; Serial No. 592,653, published June 12, 1951. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Glues. 547,616, Sept. 4; Serial No. 531,138. Class 5.

Morris, E., Manufacturing Co., Detroit, Mich. Razors and shears. 547,492–3, Sept. 4; Serial Nos. 589,864–5, published May 1, 1951. Class 23.

Mountain View Fruit Association: *See*—
Mountain View Orange and Lemon Growers Association.

Mountain View Orange and Lemon Growers Association, to Mountain View Fruit Association, Upland, Calif. Oranges and lemons. 84,023, re-renewed Oct. 31, 1951. O. G. Sept. 4. Class 46.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany, Vested in the Attorney General of the United States, Washington, D. C. Eau de cologne water, perfumery, hair tonics, etc. 283,978, renewed June 9, 1951. O. G. Sept. 4. Class 51.

Murray Company of Texas, Inc., The, Dallas, Tex., doing business under the name and style of Boston Gear Works, North Quincy, Mass. Bronze bearings. 547,544, Sept. 4; Serial No. 597,836, published Apr. 17, 1951. Class 23.

Music Amusements, Inc., Chicago, Ill. Musical game. 547,446, Sept. 4; Serial No. 581,970, published May 15, 1951. Class 22.

Muskin Manufacturing Co., Brooklyn, N. Y. Children's portable plastic wading pool. 547,522, Sept. 4; Serial No. 595,220, published May 15, 1951. Class 22.

National Ring & Leather Corporation, Mansfield, Ohio. Jewelry cleaning fluid. 547,463, Sept. 4; Serial No. 585,540, published May 22, 1951. Class 52.

Nehi Corporation, Columbus, Ga. Nonalcoholic, maltless beverages. 547,524–5, Sept. 4; Serial Nos. 595,275–6, published June 19, 1951. Class 45.

Nepera Chemical Company, Inc., Nepera Park, N. Y. Chemical compounds. 501,673, Aug. 17, 1948. Corrected. O. G. Sept. 4. Class 6.

Nestle-Le Mur Company, The, New York, N. Y. Astringent cerates, beauty creams, bleach creams, etc. 547,554, Sept. 4; Serial No. 598,748, published May 29, 1951. Class 51.

Newaygo Engineering Company, Newaygo, Mich. Dual axle spring assemblies and foundry equipment. 547,425, Sept. 4; Serial No. 572,316, published May 8, 1951. Class 23.

New England Fish Company, Seattle, Wash. Canned salmon. 547,540, Sept. 4; Serial No. 597,539, published May 22, 1951. Class 46.

Newton Line Company Incorporated, Village of Homer, N. Y. Fishing lines. 547,417, Sept. 4; Serial No. 568,526, published May 15, 1951. Class 22.

Newton, Lloyd G., doing business as The Domino Record Co., New York, N. Y. Grooved phonograph records. 547,455, Sept. 4; Serial No. 584,414, published May 29, 1951. Class 36.

Noel, Jeanne: *See*—
Liebenguth, Jeanne.

Normandy Chemical Corporation, Port Huron and Muskegon, Mich. Chemically treated wood chips, granules, sawdust, etc. 547,500, Sept. 4; Serial No. 591,378, published June 12, 1951. Class 6.

North Bay Brewing Co.: *See*—
Grace Bros. Brewing Co.

Ohio Cheese Products Company, The, by The Ohio Food Products Co., Xenia, Ohio. Candied pickle chips and cheeselike food products. 281,230, Mar. 10, 1931. Republished Sept. 4. Class 46.

Ohio Food Products Co., The: *See*—
Ohio Cheese Products Company, The

Old King Cole Products Co.: *See*—
Wasserman, B., Company

Olympic Radio & Television, Inc.: *See*—
United American Bosch Corporation

Oregon Fishing Spoon Co., Portland, Oreg. Fishing spinners and spoons. 547,486, Sept. 4; Serial No. 588,317, published May 15, 1951. Class 22.

Pabco Products Inc., by change of name from The Paraffine Companies, Inc., San Francisco, Calif. Aluminum paint. 547,625, Sept. 4; Serial No. 558,590. Class 16.

Pabich, W. R., Manufacturing Company: *See*—
Ideal Stitcher & Mfg. Co.

Pabich, Walter R.: *See*—
Ideal Stitcher & Mfg. Co.

Pacific Raisin Company, Inc., Fowler, Calif. Raisins. 547,652, Sept. 4; Serial No. 592,383. Class 46.

Padre Vineyard Company, Los Angeles, Calif. Sparkling wines. 547,394, Sept. 4; Serial No. 555,556, published June 5, 1951. Class 47.

Paraffine Companies, Inc., The: *See*—
Pabco Products Inc.

Paris Medicine Co., by The Grove Laboratories, Inc., St. Louis, Mo. Artificial ointment. 46,355, Sept. 12, 1905. Republished Sept. 4. Class 18.

Paris Medicine Co., by The Grove Laboratories, Inc., St. Louis, Mo. Remedies for coughs. 46,395, Sept. 19, 1905. Republished Sept. 4. Class 18.

Paris Medicine Company, The, Wilmington, Del., and St. Louis, Mo., by The Grove Laboratories, Inc., St. Louis, Mo. Medicinal tablet. 307,417, Oct. 24, 1933. Republished Sept. 4. Class 18.

Paris Medicine Company, The, St. Louis, Mo., and Wilmington, Del., by The Grove Laboratories, Inc., St. Louis, Mo. Medicinal tablet. 313,322, May 22, 1934. Republished Sept. 4. Class 18.

Park Chemical Company: *See*—
Park, Clyde E.

Park, Clyde E., doing business as Park Chemical Company, Ottumwa, Iowa, to Whitehall Pharmacal Company, New York, N. Y. Medicinal preparation. 284,654, renewed July 7, 1951. O. G. Sept. 4. Class 18.

Parker-Kalon Corporation, New York, N. Y. File handles, handles for non-electrical solder irons, and hand-operated metal punches. 547,674, Sept. 4; Serial No. 604,800. Class 23.

Parker-Kalon Corporation, New York, N. Y. Hand-operated damper regulators. 547,675, Sept. 4; Serial No. 604,801. Class 34.

Partycraft: *See*—
Thorup Brothers Enterprises

Peerless Roll Leaf Co., Inc., Union City, N. J. Heat-releasable transfer strips. 547,621, Sept. 4; Serial No. 551,398. Class 11.

Pees, O. Walter, Richmond Hill, Long Island, N. Y., to O. Walter Pees, New York, N. Y. Non-alcoholic, non-cereal, maltless beverages. 288,666, renewed Nov. 3, 1951. O. G. Sept. 4. Class 45.

Penketh Tanning Company Limited, Penketh, near Warrington, England. Sole-leather. 83,433, re-renewed Sept. 12, 1951. O. G. Sept. 4. Class 1.

Perfection Manufacturing Corporation, Minneapolis, Minn. Milking machines. 376,689–90, Apr. 2, 1940. Republished Sept. 4. Class 23.

Perkins Glue Company, Lansdale, Pa. Extenders, namely walnut shell flour, wood flour, etc. 547,387, Sept. 4; Serial No. 550,432, published June 5, 1951. Class 1.

Permo Incorporated, Chicago, Ill. Phonograph needles. 547,401, Sept. 4; Serial No. 559,423, published June 12, 1951. Class 36.

Permo Incorporated, Chicago, Ill. Phonograph styli. 547,402, Sept. 4; Serial No. 559,425, published June 12, 1951. Class 36.

Peter Hand Brewery Company, Chicago, Ill. Beer. 547,421. Sept. 4; Serial No. 570,373, published June 12, 1951. Class 48.

Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Vitamin concentrates. 547,447. Sept. 4; Serial No. 581,980, published May 29, 1951. Class 18.

Piedmont Mop Company, Incorporated, Charlotte, N. C. Mops and mop heads. 547,672, Sept. 4; Serial No. 604,030. Class 29.

Pine Spring Water Company, Brunswick, Maine. Non-alcoholic maltless beverages. 547,413, Sept. 4; Serial No. 566,167, published May 15, 1951. Class 45.

Polaris Development & Manufacturing Company, Linden, Mo. Toy appliance. 547,495, Sept. 4; Serial No. 590,387, published May 15, 1951. Class 22.

Polish Hams, Inc., Philadelphia, Pa. Cooked ham. 547,396. Sept. 4; Serial No. 556,218, published June 19, 1951. Class 46.

Polk Miller Products Corporation, Richmond, Va. Disinfectant. 547,654, Sept. 4; Serial No. 593,992. Class 6.

Popper-Morson Company, New York, N. Y., and Jersey City, N. J. Vermouth. 547,513, Sept. 4; Serial No. 593,828, published May 22, 1951. Class 47.

Popper-Morson Company, New York, N. Y., and Jersey City, N. J. Whiskey. 547,514, Sept. 4; Serial No. 593,829, published May 22, 1951. Class 49.

Powell, William, Company, The, Cincinnati, Ohio. Gate valves. 444,556, Sept. 4; Serial No. 524,672. Class 13.

Pretty Penny, Inc., Atlanta, Ga. Girls' dresses, pinafores, bonnets, etc. 547,385, Sept. 4; Serial No. 549,461, published June 5, 1951. Class 39.

Product Engineering Co., Portland, Oreg. Toy guns. 547,545. Sept. 4; Serial No. 597,908, published May 15, 1951. Class 22.

Products Exchange Company, Inc., New York, N. Y. Men's hose. 547,458, Sept. 4; Serial No. 584,994, published June 5, 1951. Class 39.

Protecto Manufacturing Company, by Harnly Weather-strip Company, Chicago, Ill. Metal-bound felt weather-strips. 283,263, May 19, 1931. Republished Sept. 4. Class 12.

Punderson, V. B., Company: *See*—
Punderson, Vera B.

Punderson, Vera B., doing business as V. B. Punderson Company, Cleveland, Ohio. Industrial cleaning compounds. 547,479, Sept. 4; Serial No. 587,817, published May 22, 1951. Class 52.

Quixel Products Co. Inc., New York, N. Y. Shoe polish in crayon form. 547,641, Sept. 4; Serial No. 586,880. Class 4.

Rabell, William H., Meriden, Conn. Tampons. 547,395, Sept. 4; Serial No. 555,768, published June 5, 1951. Class 44.

Radio Corporation of America, New York, N. Y. Grooved phonograph records. 547,468, Sept. 4; Serial No. 587,051, published June 12, 1951. Class 36.

Rafter House, The: *See*—
Rubin, Alfred.

Rand Textile Development Corp., Cleveland, Ohio. Apparatus for testing the heat transfer characteristics of textile fabrics. 547,516, Sept. 4; Serial No. 593,997, published May 15, 1951. Class 26.

Reich, A., & Sons, to A. Reich & Sons, Inc., Kansas City, Mo. Fresh vegetables. 287,877, renewed Oct. 13, 1951. O. G. Sept. 4. Class 46.

Reliable Toy Co. Limited, Toronto, Ontario, Canada. Flutes, ukuleles and music boxes. 547,482, Sept. 4; Serial No. 587,987, published June 12, 1951. Class 36.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Reynolds, F. A., Co. Inc., Cleveland, Ohio. Cornets, trumpets, trombones, etc. 547,467, Sept. 4; Serial No. 586,546, published June 12, 1951. Class 36.

Reynolds, Wiley A., doing business as The Book Drug Company, Detroit, Mich. Hair and scalp ointment, etc. 547,418, Sept. 4; Serial No. 568,575, published May 22, 1951. Class 18.

Richards-Wilcox Manufacturing Company, Aurora, Ill. Door tracks, door track brackets, door-stay rollers, etc. 547,436, Sept. 4; Serial No. 576,930, published June 12, 1951. Class 13.

Roberts, F. H., Co.: *See*—
Roberts, Fred H.

Roberts, Fred H., doing business as F. H. Roberts Co., to H. A. Hildreth Company, Boston, Mass. Confection. 36,162, re-renewed Apr. 2, 1951. O. G. Sept. 4. Class 46.

Rokes, Betty L., doing business as Betty Lee's Chair Joy Co., San Francisco, Calif. Wire baskets. 547,416, Sept. 4; Serial No. 568,073, published June 12, 1951. Class 2.

Rothstein, Matthias, doing business as Vise-Grip Cable Co., Erie, Pa. Battery cable connectors. 547,649, Sept. 4; Serial No. 592,291. Class 21.

Rowe Manufacturing Co., Inc., Whippany, N. J. Coin-controlled automatic cigarette merchandising machines. 547,414, Sept. 4; Serial No. 567,036, published May 4, 1951. Class 23.

Royal Wine Corporation, New York, N. Y. Wines. 547,548, Sept. 4; Serial No. 598,432, published June 12, 1951. Class 47.

Rubel & Company Decorative Accessories Inc., New York, N. Y. Tableware. 547,670, Sept. 4; Serial No. 603,253. Class 33.

Rubin, Alfred, doing business as The Rafter House, Naperville, Ill. Confections. 547,403, Sept. 4; Serial No. 559,643, published June 12, 1951. Class 46.

Saal, Raymond H., & Co., Covington, La. Cattle feed. 547,569, Sept. 4; Serial No. 601,077, published May 8, 1951. Class 46.

Sanders, John L., doing business under the name of The Skylan Laboratory, Greenville, S. C. Preparation for treating the mucous membranes of the nose by shrinkage. 547,673, Sept. 4; Serial No. 604,234. Class 18.

Sanitary Knitting Co., Grand Rapids, Mich. Infants', children's, boys' and girls' knit outerwear. 547,556, Sept. 4; Serial No. 598,961, published June 5, 1951. Class 39.

Saval Company: *See*—
Saval, Inc.

Saval, Inc., Los Angeles, Calif., assignee of Saval Company. Hydraulic valve and valve parts. 547,622, Sept. 4; Serial No. 552,723. Class 13.

Scanlan, Elisabeth S., doing business as Aeroplane Spinner Manufacturing Co., Denver, Colo. Artificial fish lures. 547,602, Sept. 4; Serial No. 604,934, published May 15, 1951. Class 22.

Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc. Whiskey. 547,383, Sept. 4; Serial No. 545,172, published June 12, 1951. Class 49.

Schenley Industries, Inc.: *See*—
Atlas Import & Export Corporation.
Schenley Distillers Corporation.

Schenley Industries, Inc., New York, N. Y., also doing business as L'Chayim Kosher Wine Company, Fresno, Calif. Wines. 547,503, Sept. 4; Serial No. 592,390, published June 5, 1951. Class 47.

Schenley Laboratories, Inc., New York, N. Y. Chemotherapeutic agent. 547,504, Sept. 4; Serial No. 592,394, published May 29, 1951. Class 18.

Schmidt, C., and Sons, Incorporated, Philadelphia, Pa. Ale. 547,546, Sept. 4; Serial No. 597,912, published May 15, 1951. Class 48.

Schneider, John D., doing business as Franklin C. Hollister Co., Chicago, Ill. Partially printed birth announcement forms. 547,629, Sept. 4; Serial No. 566,776. Class 37.

Sebastopol Cooperative Cannery, Sebastopol, Calif. Canned apple sauce. 547,461, Sept. 4; Serial No. 585,145, published May 22, 1951. Class 46.

Selig Company, Inc., The, Atlanta, Ga. Disinfectant-deodorant. 547,465, Sept. 4; Serial No. 585,770, published June 12, 1951. Class 6.

Semmes, B. J., & Company, Inc., Memphis, Tenn. Bourbon whiskey. 547,577, Sept. 4; Serial No. 601,950, published June 5, 1951. Class 49.

Serauer, J. A., Mfg. Co., Inc., New York, N. Y. Closet bowl cleaner and porcelain cleaner and polish. 286,815, Sept. 8, 1931. Republished Sept. 4. Class 4.

Sexton, John, & Co., Chicago, Ill. Concentrated glass cleaner. 547,430, Sept. 4; Serial No. 574,251, published Aug. 29, 1950. Class 52.

Shaler Company, The, Waupun, Wis. Rubber patch and fuel units. 547,382, Sept. 4; Serial No. 543,842, published June 12, 1951. Class 35.

Sherwood Brothers Incorporated, Baltimore, Md. Hydrocarbon solvents. 282,000, Apr. 7, 1931. Republished Sept. 4. Class 52.

Sincomb, Stanford W., doing business as Water Guard Manufacturing Co., El Paso, Tex. Valve rod guides for flush tanks. 547,659, Sept. 4; Serial No. 596,053. Class 13.

6-O'Clock Foods, Inc., Norristown, Pa., and New York, N. Y. Pie crust mix, chocolate layer cake mix, golden layer cake mix, etc. 547,620, Sept. 4; Serial No. 548,193. Class 46.

Six Wheels, Inc., Los Angeles, Calif. Automotive trucks. 442,644, May 10, 1949. Republished Sept. 4. Class 19.

Skaggs-Stone, Inc., Oakland, Calif. Hosiery. 547,566, Sept. 4; Serial No. 600,990, published June 5, 1951. Class 39.

Skil-Craft Corporation, Chicago, Ill. Workbenches and package outfits. 547,529–30, Sept. 4; Serial Nos. 596,446–7, published May 15, 1951. Class 22.

Skylan Laboratory, The: *See*—
Sanders, John L.

Smith, T. L., Company, The, Milwaukee, Wis. Portable tilting type concrete mixers, etc. 547,473, Sept. 4; Serial No. 587,405, published May 8, 1951. Class 23.

Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Paris, France. Natural and synthetic organic chemical compounds. 276,049, Oct. 7, 1930. Republished Sept. 4. Class 46.

Solomon, Bert P., Detroit, Mich. Drapery pleaters and hangers. 547,584, Sept. 4; Serial No. 602,572, published June 12, 1951. Class 13.

Sorvall, Ivan, Inc., New York, N. Y. Motor driven centrifuges, motor driven magnetic stirrers, and liquid tachometers. 547,590, Sept. 4; Serial No. 603,552, published May 15, 1951. Class 26.

South Bend Bait Company, South Bend, Ind. Artificial fishing lures. 547,444, Sept. 4; Serial No. 581,095, published May 15, 1951. Class 22.

South Bend Bait Company, South Bend, Ind. Fishing tackle. 547,604, Sept. 4; Serial No. 606,904, published May 15, 1951. Class 22.

Southern Dairies, Inc., Washington, D. C. Ice cream. 547,665, Sept. 4; Serial No. 599,721. Class 46.

Sovereign Importers, Ltd., New York, N. Y. Champagne. 547,528, Sept. 4; Serial No. 596,204, published May 22, 1951. Class 47.

Speed Products Company, Inc., Long Island City, N. Y. Wire staples. 547,511, Sept. 4; Serial No. 593,695, published June 12, 1951. Class 13.

Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 547,542, Sept. 4; Serial No. 597,707, published May 15, 1951. Class 22.

Squibb, E. R., & Sons, New York, N. Y. Antianemic preparations. 547,450, Sept. 4; Serial No. 582,926, published May 22, 1951. Class 18.

Squibb, E. R., & Sons, New York, N. Y. Antianemic preparation. 547,549, Sept. 4; Serial No. 598,551, published May 29, 1951. Class 18.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Services rendered at applicant's automotive service stations, etc. 547,606, Sept. 4; Serial No. 549,187, published June 5, 1951. Class 103.

Standard Pressed Steel Co., Jenkintown, Pa. Aircraft parts. 547,515, Sept. 4; Serial No. 593,942, published June 12, 1951. Class 13.

Stardust, Incorporated, Poughkeepsie and New York, N. Y. Baby pants. 547,533, Sept. 4; Serial No. 597,022, published June 12, 1951. Class 39.

Stel-Ike Company, Des Moines, Iowa. Embalming instrument. 547,661, Sept. 4; Serial No. 596,630. Class 44.

Stern Brothers, New York, N. Y. Sleeping bag. 547,585, Sept. 4; Serial No. 602,575, published June 12, 1951. Class 39.

Stitzel-Weller Distillery, Louisville and Shively, Louisville, Ky. Distilled liquors. 547,587, Sept. 4; Serial No. 603,030, published May 22, 1951. Class 49.

Sutliff & Case Co., Inc., Peoria, Ill. Expectorant. 547,438, Sept. 4; Serial No. 578,726, published May 22, 1951. Class 18.

Sutliff & Case Co., Inc., Peoria, Ill. Medicinal tablet. 547,439, Sept. 4; Serial No. 578,731, published May 22, 1951. Class 18.

Sutliff & Case Co., Inc., Peoria, Ill. Liquid medicinal preparation. 547,440, Sept. 4; Serial No. 578,737, published May 22, 1951. Class 18.

Sydney-Thomas Corporation, The, Cincinnati, Ohio. Transparent bags. 547,419, Sept. 4; Serial No. 568,690, published June 12, 1951. Class 2.

Tabin-Picker & Co., Chicago, Ill. Women's and misses' dresses. 411,400, Jan. 16, 1945. Republished Sept. 4. Class 39.

Takamine Laboratory, Inc., Clifton, N. J. Liquid compound used for adding lustre, body and weight to fabric garments. 547,555, Sept. 4; Serial No. 598,762, published June 12, 1951. Class 6.

Tampa Cigar Company, Inc., Tampa, Fla. Cigars. 547,456. Sept. 4; Serial No. 584,880, published June 5, 1951. Class 17.

Telrex, Inc., Asbury Park, N. J. Indoor and outdoor antennas. 547,666, Sept. 4; Serial No. 600,357. Class 21.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating oils. 84,056–8, rerenewed Oct. 31, 1951. O. G. Sept. 4. Class 15.

Thames Board Mills Limited: *See*—
Thames Paper Co., Limited.

Thames Paper Co., Limited, to Thames Board Mills Limited, Purfleet, Essex, England. Packing cases. 82,730, rerenewed July 18, 1951. O. G. Sept. 4. Class 2.

Thayer, Inc., Gardner, Mass. Children's toilet seats. 547,619, Sept. 4; Serial No. 547,047. Class 13.

Thorup Brothers Enterprises, doing business as Partycraft, Fontana, Calif. Educational game. 547,477, Sept. 4; Serial No. 587,768, published May 15, 1951. Class 22.

Transparent Package Company, Chicago, Ill. Artificial casings. 547,415, Sept. 4; Serial No. 567,105, published June 12, 1951. Class 2.

Trust, Josephine C., Los Angeles, Calif. Circulars, pamphlets, booklets, and books. 547,411, Sept. 4; Serial No. 565,847, published Apr. 3, 1951. Class 38.

Tyson, Ray, Wichita, Kans. Portable houses. 547,498, Sept. 4; Serial No. 591,259, published May 22, 1951. Class 12.

United American Bosch Corporation, Springfield, Mass., to Olympic Radio & Television, Inc., Long Island City, N. Y. Radio receiving sets. 288,103, renewed Oct. 20, 1951. O. G. Sept. 4. Class 21.

United Jewelers, Inc., The, Wilmington, Del., and New York, N. Y., by Hallmark Watch Corporation, Chicago, Ill. Clock movements and watch movements. 187,807, Aug. 12, 1924. Republished Sept. 4. Class 27.

U S Chemical & Supply Co., Kansas City, Mo. Liquid deodorant and liquid preparation for use in shock absorbers. 547,449, Sept. 4; Serial No. 582,867, published June 12, 1951. Class 6.

Van Pelt and Brown, Incorporated, Richmond, Va. Sex hormone. 547,494, Sept. 4; Serial No. 590,198, published May 22, 1951. Class 18.

Ventile Fabrics Association of Great Britain, The, Manchester, England. Men's, women's, and children's raincoats, coats, etc. 547,613, Sept. 4; Serial No. 521,299, published June 5, 1951. Class 39.

Vermont Hosiery and Machinery Company, Northfield, Vt. Hosiery. 547,400, Sept. 4; Serial No. 559,074, published June 5, 1951. Class 39.

Veterinary Magazine Corporation, Chicago, Ill., to Veterinary Magazine Corporation, Kansas City, Mo. Periodical. 284,802, renewed July 7, 1951. O. G. Sept. 4. Class 38.

Viking Tool & Machine Corporation, Belleville, N. J. Taximeters, odometers, and speedometers. 547,443, Sept. 4; Serial No. 579,727, published July 4, 1950. Class 26.

Vise-Grip Cable Co.: *See*—
Rothstein, Matthias.

Vogt Knitting Mills, Inc., Reading, Pa. Women's, boys', and girls' hosiery. 547,454, Sept. 4; Serial No. 583,783, published June 12, 1951. Class 39.

Wagner Electric Corporation, St. Louis, Mo. Hydraulic brake bleeder. 547,501, Sept. 4; Serial No. 591,601, published Apr. 17, 1951. Class 23.

Walter Brewing Company, The, Pueblo, Colo. Beer. 547,441, Sept. 4; Serial No. 578,841, published May 29, 1951. Class 48.

Walters, William H., Jasonville, Ind. Artificial fishing lures and artificial baits. 547,535, Sept. 4; Serial No. 597,110, published May 15, 1951. Class 22.

Wasserman, B., Company, assignor, by mesne assignments, to Old King Cole Products Co., New York, N. Y. Cigars, smoking mixture, and cigarettes. 547,469–70, Sept. 4; Serial No. 587,060–1, published June 12, 1951. Class 17.

Water Guard Manufacturing Co.: *See*—
Sincomb, Stanford W.

Weisberg-Baer Company, The, Long Island City, N. Y. Doors. 547,660, Sept. 4; Serial No. 596,544. Class 12.

Weisberg, Bernard E., New York, N. Y. Cooking utensils. 547,680. Sept. 4; Serial No. 608,027. Class 13.

Weisberg, Bernard E., New York, N. Y. Earthenware and ceramic dinnerware. 547,681, Sept. 4; Serial No. 608,028. Class 30.

Welch's Candy, Limited: *See*—
Fraser, Mary, Candies, Inc.

Welch's Candy, Limited, Los Angeles, Calif. Candies. 325,263. June 18, 1935. Republished Sept. 4. Class 46.

Welch's Candy, Limited, Los Angeles, Calif. Candies. 409,679. Oct. 17, 1944. Republished Sept. 4. Class 46.

Werber Sportswear Inc., Newburgh, N. Y. Hoods and collars. 547,536. Sept. 4; Serial No. 597,113, published June 12, 1951. Class 39.

Wheatley, W. L., Inc., Clayton, Del. Canned food products. 547,657, Sept. 4; Serial No. 595,582. Class 46.

Whitehall Pharmacal Company: *See*—
Park, Clyde E.

Williams, R. C., & Company, Inc.: *See*—
Jaburg Brothers, Inc.

Wisconsin Silomat Manufacturing Company, Suring, Wis. Mats for covering the top of ensilage in silos. 547,617, Sept. 4; Serial No. 542,898. Class 50.

Woodhill Chemical Co.: *See*—
Freeman, Norman.

Wood-Treating Chemicals Company, St. Louis, Mo. Chemical wood preservatives. 547,669, Sept. 4; Serial No. 602,530. Class 6.

Yawman & Erbe Mfg. Co., Rochester, N. Y. Envelopes and folders. 83,035, rerenewed Aug. 8, 1951. O. G. Sept. 4. Class 37.

Yocum Brothers, Inc., Reading, Pa. Cigars. 547,405, Sept. 4; Serial No. 561,405, published June 5, 1951. Class 17.

Yorkshire Copper Works Limited, The, Leeds, England. Aluminum-bronze condenser tubes. 284,229, Jun. 16, 1931. Republished Sept. 4. Class 34.

Yorkshire Copper Works Limited, The, Leeds, England. Metal tubes. 398,776, Nov. 24, 1942. Republished Sept. 4. Class 13.

Young, Murray A., Oxford, Ohio. Indexing meld holders. 547,591, Sept. 4; Serial No. 603,656, published May 15, 1951. Class 22.

Zefer Products, Inc., Denver, Colo. Food products. 547,638, Sept. 4; Serial No. 595,868. Class 46.

Zoomerang Associates, Limited, Rutherford, N. J. Toys. 547,451, Sept. 4; Serial No. 583,012, published May 15, 1951. Class 22.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Crude coal tars and pitches, asphalt, and pitch coke. Koppers Company, Inc. 547,428, Sept. 4; Serial No. 573,951 published June 5, 1951.
Extenders namely, walnut shell flour, wood flour, etc. Perkins Glue Company. 547,387, Sept. 4; Serial No. 550,432 published June 5, 1951.
Fresh flowers. Florapak, Inc. 547,655, Sept. 4; Serial No. 594,264.
Leather, Finished. A. C. Lawrence Leather Company. 83,586, Sept. 26, 1911. Republished Sept. 4.
Leather, Tanned. The Juvenile Shoe Corporation of America. 547,678, Sept. 4; Serial No. 607,253.
Sole-leather. Penketh Tanning Company Limited. 83,433, re-renewed Sept. 12, 1951. O. G. Sept. 4.
Wyoming type bentonite. American Colloid Company. 547,633, Sept. 4; Serial No. 577,924.

CLASS 2

Bags, Cotton disposable dust. J. M. Krantz. 547,448, Sept. 4; Serial No. 582,382, published June 12, 1951.
Bags, Paper. International Paper Company. 547,594, Sept. 4; Serial No. 604,008, published June 12, 1951.
Bags, Paper. International Paper Company. 547,596, Sept. 4; Serial No. 604,205, published June 12, 1951.
Bags, Transparent. The Sydney-Thomas Corporation. 547,419, Sept. 4; Serial No. 568,690, published June 12, 1951.
Baskets, Wire. B. L. Rokes. 547,416, Sept. 4; Serial No. 584,073, published June 12, 1951.
Cases, Packing. Thames Paper Co., Limited. 82,730, re-renewed July 18, 1951. O. G. Sept. 4.
Casings, Artificial. Transparent Package Company. 547,418, Sept. 4; Serial No. 567,105, published June 12, 1951.
Containers, Unfilled. Paul Flato Sales Corporation. 547,580, Sept. 4; Serial No. 602,192, published June 12, 1951.
Dairy products processing equipment of metal. The Creamery Package Mfg. Company. 547,375, Sept. 4; Serial No. 527,973, published June 12, 1951.
Dispensers, Portable box-type. Guild Products, Inc. 547,488, Sept. 4; Serial No. 588,371, published June 12, 1951.

CLASS 4

Buffing wheels. F. L. & J. C. Codman Company. 547,464, Sept. 4; Serial No. 585,745, published May 22, 1951.
Cleaner, Closet bowl, and porcelain cleaner and polish. J. A. Sexauer Mfg. Co., Inc. 286,815, Sept. 8, 1931. Republished Sept. 4.
Polish, Shoe, in crayon form. Quixel Products Co. Inc. 547,641, Sept. 4; Serial No. 586,880.

CLASS 5

Glues. Monsanto Chemical Company. 547,616, Sept. 4; Serial No. 531,138.

CLASS 6

Additives for drilling mud. Magnet Cove Barium Corporation. 547,630, Sept. 4; Serial No. 568,383.
Alkali-soluble cellulose ethers. Hercules Powder Company. 547,599, Sept. 4; Serial No. 604,477, published June 2, 1951.
Bottled gas. R. E. Markline. 547,618, Sept. 4; Serial No. 543,309.
Chemical Compositions. Commercial Solvents Corporation. 547,601, Sept. 4; Serial No. 604,571, published June 12, 1951.
Chemical compositions. Dodge & Olcott, Inc. 547,517–18, Sept. 4; Serial Nos. 594,622–3, published June 12, 1951.
Chemical compositions. Dodge & Olcott, Inc. 547,519, Sept. 4; Serial No. 594,625, published June 12, 1951.
Chemical compositions. Dodge & Olcott, Inc. 547,520, Sept. 4; Serial No. 594,630, published June 12, 1951.
Chemical compositions. Dodge & Olcott, Inc. 547,521, Sept. 4; Serial No. 594,632, published June 12, 1951.
Chemical compound. Argus Chemical Laboratory, Inc. 547,576, Sept. 4; Serial No. 601,880, published June 12, 1951.
Chemical compounds. Nepera Chemical Company, Inc. 501,673, Aug. 17, 1948. Corrected. O. G. Sept. 4.
Chemical control compositions. American Bottlers of Carbonated Beverages. 547,574, Sept. 4; Serial No. 601,458, published June 12, 1951.
Chemical wood preservatives. Wood-Treating Chemicals Company. 547,669, Sept. 4; Serial No. 602,530.
Chemically treated wood chips, granules, sawdust, etc. Normandy Chemical Corporation. 547,500, Sept. 4; Serial No. 591,378, published June 12, 1951.
Colloidal compositions. Fletcher Miller Limited. 547,427, Sept. 4; Serial No. 573,536, published Aug. 29, 1950.

Denatured alcohol. Commercial Solvents Corporation. 547,600, Sept. 4; Serial No. 604,570, published June 12, 1951.
Disinfectant. Polk Miller Products Corporation. 547,654, Sept. 4; Serial No. 593,992.
Disinfectant-deodorant. The Selig Company, Inc. 547,465, Sept. 4; Serial No. 585,770, published June 12, 1951.
Dyes and dyestuffs. Althouse Chemical Company, Inc. 547,509, Sept. 4; Serial No. 593,152, published June 12, 1951.
Fluid for starting charcoal or wood fires. Eclipse Metal Mfg. Corporation. 547,650, Sept. 4; Serial No. 592,362.
Granular or powdered composition for absorbing oil and grease. Mil-Kex Specialty Co. 547,512, Sept. 4; Serial No. 593,739, published May 22, 1951.
Insecticides. Esso Standard Oil Company. 547,638, Sept. 4; Serial No. 583,646.
Insecticides and wood preservatives. Koppers Products Company. 284,033, June 9, 1931. Republished Sept. 4.
Liquid compound used for adding lustre, body and weight to fabric garments. Takamine Laboratory, Inc. 547,555, Sept. 4; Serial No. 598,762, published June 12, 1951.
Liquid deodorant and liquid preparation for use in shock absorbers. U S Chemical & Supply Co. 547,449, Sept. 4; Serial No. 582,867, published June 12, 1951.
Liquid preparation. L. A. Havens. 547,656, Sept. 4; Serial No. 594,380.
Proprietary solvent alcohol. E. I. du Pont de Nemours and Company. 547,568, Sept. 4; Serial No. 601,027, published June 12, 1951.
Sealing solvent and corrosion preventative. L. K. R. Chemical Products Corporation. 547,573, Sept. 4; Serial No. 601,444, published June 12, 1951.
Single household preparation having insecticidal, fungicidal, etc., properties. G. N. Coughlan Company. 547,561, Sept. 4; Serial No. 600,467, published June 12, 1951.
Synthetic resins. Monsanto Chemical Company. 547,506, Sept. 4; Serial No. 592,653, published June 12, 1951.
Water proofing, fire proofing, and sealing compound. Impervious Products Co. 444,555, Sept. 4; Serial No. 500,662, published Dec. 26, 1950.

CLASS 8

Cases and housings for cigarette lighter elements. Coventry Ware, Inc. 547,391, Sept. 4; Serial No. 594,890, published Feb. 20, 1951. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)

CLASS 11

Transfer strips, Heat-releasable. Peerless Roll Leaf Co., Inc. 547,621, Sept. 4; Serial No. 551,398.
Typewriter ribbons. Hudson Carbon Paper & Ribbons Mfg. Corp. 547,640, Sept. 4; Serial No. 586,164.

CLASS 12

Bituminous pipe joint material. The Atlas Mineral Products Company of Pennsylvania. 547,471, Sept. 4; Serial No. 587,233, published May 22, 1951.
Combination of materials used in making artificial building stone. Emco Cement Products, Inc. 547,663, Sept. 4; Serial No. 598,172.
Construction materials, Heat resistant. Johns-Manville Corporation. 547,388, Sept. 4; Serial No. 550,705, published May 22, 1951.
Doors. The Weisberg-Baer Company. 547,660, Sept. 4; Serial No. 596,544.
Houses, Portable. Ray Tyson. 547,498, Sept. 4; Serial No. 591,259, published May 22, 1951.
Insulating board, Fiber thermal. Cornell Wood Products Company. 282,641, Apr. 28, 1931; republished Sept. 4.
Lumber, Mahogany and veneer. Mahogany Association, Inc. 547,614, Sept. 4; Serial No. 590,555, published May 22, 1951.
Oil drilling mud. Magnet Cove Barium Corporation. 547,651 Sept. 4; Serial No. 592,377.
Putty, Chemical. Charlotte Chemical Laboratories, Inc. 394,792, Apr. 28, 1942; republished Sept. 4.
Stone, Crushed, granite fines, concrete block, etc. Consolidated Quarries Corporation. 547,505, Sept. 4; Serial No. 592,420, published May 22, 1951.
Weatherstrips, Metal-bound felt. Protecto Manufacturing Company. 283,263, May 19, 1931; republished Sept. 4.

CLASS 13

Aircraft parts. Standard Pressed Steel Co. 547,515, Sept. 4; Serial No. 593,942, published June 12, 1951.
Base metal cooking hollow ware. The Enterprise Aluminum Company. 547,393, Sept. 4; Serial No. 554,886, published June 12, 1951.
Cooking utensil, Metal. The Benmatt Organization. 547,452, Sept. 4; Serial No. 583,190, published June 12, 1951.

Cooking utensils. B. E. Weisberg. 547,680, Sept. 4; Serial No. 608,027.
Door tracks, door track brackets, door-stay rollers, etc. Richards-Wilcox Manufacturing Company. 547,435, Sept. 4; Serial No. 576,930, published June 12, 1951.
Drapery pleaters and hangers. B. P. Solomon. 547,584, Sept. 4; Serial No. 602,572, published June 12, 1951.
Fasteners, plates, clamps, etc. Crescent Belt Fastener Company. 82,212, rerenewed June 13, 1951. O. G. Sept. 4.
Pan, Baking. Bar-B-Buns, Incorporated. 547,490, Sept. 4; Serial No. 589,244, published June 12, 1951.
Pipe supports. C. H. Leibfried Mfg. Corp. 547,407, Sept. 4; Serial No. 561,837, published June 12, 1951.
Seats, Children's toilet. Thayer Inc. 547,619, Sept. 4; Serial No. 547,047.
Sinks, set wash-basins, lavatories, etc. Briggs Manufacturing Company. 547,408, Sept. 4; Serial No. 561,880, published June 12, 1951.
Sprinkler units, Deluge, piping, valves, and sprinklers therefor. "Automatic" Sprinkler Corporation of America. 547,682, Sept. 4; Serial No. 608,851.
Staples, Wire. Speed Products Company, Inc. 547,511, Sept. 4; Serial No. 593,695, published June 12, 1951.
Tubes, Metal. The Yorkshire Copper Works Limited. 398,776, Nov. 24, 1942; republished Sept. 4.
Valve, Hydraulic, and valve parts. Saval, Inc. 547,622, Sept. 4; Serial No. 552,723.
Valve rod guides for flush tanks. S. W. Sincomb. 547,659, Sept. 4; Serial No. 596,053.
Valves. Hamer Oil Tool Company. 547,484, Sept. 4; Serial No. 588,216, published June 19, 1951.
Valves, Gate. The William Powell Company. 444,556, Sept. 4; Serial No. 524,672.

CLASS 14

Solder, Plastic metallic automobile body. N. Freeman. 547,639, Sept. 4; Serial No. 584,229.
Steel and alloys of iron and steel, etc. The Armco International Corporation. 547,485, Sept. 4; Serial No. 588,266, published June 12, 1951.

CLASS 15

Lubricating-oils. The Texas Company. 84,056–8, re-renewed Oct. 31, 1951. O. G. Sept. 4.

CLASS 16

Coating, Liquid floor, preservative, and polish. Milwaukee Lubricants Co. 285,900, Aug. 11, 1931; republished Sept. 4.
Paint, Aluminum. Pabco Products Inc. 547,625, Sept. 4; Serial No. 558,590.
Paint, Ready mixed aluminum. Illinois Bronze Powder Co., Incorporated. 547,632, Sept. 4; Serial No. 571,431.

CLASS 17

Cigarettes. Brown & Williamson Tobacco Corporation. 547,592, Sept. 4; Serial No. 603,763, published June 5, 1951.
Cigars. Tampa Cigar Company, Inc. 547,456, Sept. 4; Serial No. 584,880, published June 5, 1951.
Cigars. Yocum Brothers, Inc. 547,405, Sept. 4; Serial No. 561,405, published June 5, 1951.
Cigars and cigarettes. Childs Company. 284,855, renewed July 7, 1951. O. G. Sept. 4.
Cigars, smoking mixture, and cigarettes. B. Wasserman Company. 547,469–70, Sept. 4; Serial No. 587,060–1, published June 12, 1951.
Tobacco, Smoking. Fleming-Hall Tobacco Co., Inc. 547,578, Sept. 4; Serial No. 602,145, published June 5, 1951.
Tobacco, Smoking. Fleming-Hall Tobacco Co., Inc. 547,579, Sept. 4; Serial No. 602,147, published June 12, 1951.

CLASS 18

Analgesic. Endo Products Inc. 547,496, Sept. 4; Serial No. 590,432, published May 29, 1951.
Antianemic preparation. E. R. Squibb & Sons. 547,549, Sept. 4; Serial No. 598,551, published May 29, 1951.
Antianemic preparations. E. R. Squibb & Sons. 547,450, Sept. 4; Serial No. 582,926, published May 22, 1951.
Anti-biotics and vaccines. Glaxo Laboratories Limited. 547,475, Sept. 4; Serial No. 587,610, published May 29, 1951.
Artificial ointment. Paris Medicine Co. 46,355, Sept. 12, 1905. Republished Sept. 4.
Aspirin. Intermedico Corporation. 547,559, Sept. 4; Serial No. 599,917, published May 29, 1951.
Chemo-therapeutic agent. Schenley Laboratories, Inc. 547,504, Sept. 4; Serial No. 592,394, published May 29, 1951.
Cough syrup. F. A. Maselli. 547,436, Sept. 4; Serial No. 577,841, published May 29, 1951.
Expectorant. Sutliff & Case Co., Inc. 547,438, Sept. 4; Serial No. 578,726, published May 22, 1951.
Hair and scalp ointment, etc. W. A. Reynolds. 547,418, Sept. 4; Serial No. 568,575, published May 22, 1951.
Hair salve. Boulanger Soeurs. 547,644, Sept. 4; Serial No. 588,075.
Liquid medicinal preparation. Sutliff & Case Co., Inc. 547,440, Sept. 4; Serial No. 578,737, published May 22, 1951.
Medicated gauze bandages. Gripgauze Inc. 547,497, Sept. 4; Serial No. 590,934, published May 22, 1951.
Medicinal preparation. Allied Drugs, Inc. 547,560, Sept. 4; Serial No. 600,111, published May 29, 1951.
Medicinal preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 547,499, Sept. 4; Serial No. 591,351, published May 29, 1951.
Medicinal preparation. Charles C. Haskell & Co., Inc. 547,562, Sept. 4; Serial No. 600,482, published May 29, 1951.
Medicinal preparation. C. E. Park. 284,654, renewed July 7, 1951. O. G. Sept. 4.
Medicinal tablet. The Grove Laboratories, Inc. 322,241, Feb. 26, 1935. Republished Sept. 4.
Medicinal tablet. The Grove Laboratories, Inc. 402,596, Aug. 3, 1943. Republished Sept. 4.
Medicinal tablet. The Paris Medicine Company. 307,417, Oct. 24, 1933. Republished Sept. 4.
Medicinal tablet. The Paris Medicine Company. 313,322, May 22, 1934. Republished Sept. 4.
Medicinal tablet. Sutliff & Case Co., Inc. 547,439, Sept. 4; Serial No. 578,731, published May 22, 1951.
Mercurial diuretic. Maltbie Laboratories, Inc. 547,538, Sept. 4; Serial No. 597,214, published May 29, 1951.
Preparation for coughs and throat irritations. E. F. Glaszer. 414,386, Nov. 18, 1947. Republished Sept. 4.
Preparation for reducing acidity. Burroughs Wellcome & Co. (U. S. A.) Inc. 283,778, renewed June 9, 1951. O. G. Sept. 4.
Preparation for the treatment of grippe, etc. A. D. Linard. 547,442, Sept. 4; Serial No. 579,601, published May 22, 1951.
Preparation for treating the mucous membranes of the nose by shrinkage. J. L. Sanders. 547,673, Sept. 4; Serial No. 604,234.
Remedies for coughs. Paris Medicine Co. 46,395, Sept. 19, 1905. Republished Sept. 4.
Remedy for biliousness, etc. H. Clarke & Sons, Inc. 547,445, Sept. 4; Serial No. 581,553, published May 22, 1951.
Sex hormone. Van Pelt and Brown, Incorporated. 547,494, Sept. 4; Serial No. 590,198, published May 22, 1951.
Veterinary anthelmintic composition. Allied Laboratories, Inc. 547,551, Sept. 4; Serial No. 598,625, published May 22, 1951.
Vitamin concentrates. Chas. Pfizer & Co., Inc. 547,447, Sept 4; Serial No. 581,980, published May 29, 1951.

CLASS 19

Brake shoes. American Brake Shoe and Foundry Company. 288,054, renewed Oct. 20, 1951. O. G. Sept. 4.
Elevating-trucks. Lewis-Shepard Company. 119,194, Oct. 30, 1917. New certificate. O. G. Sept. 4.
Elevating-trucks. Lewis-Shepard Company. 119,331, Nov. 13, 1917. New certificate. O. G. Sept. 4.
Plastic articles—namely, wheel wedging blocks and automobile sun visors. R. W. Kerr Plastic Co. 543,900, June 19, 1951. Corrected. O. G. Sept. 4.
Trucks, automotive. Six Wheels, Inc. 442,644, May 10, 1949. Republished Sept. 4.

CLASS 21

Antennas, indoor and outdoor. Telrex, Inc. 547,666, Sept. 4; Serial No. 600,357.
Cable connectors, battery. M. Rothstein. 547,649, Sept. 4; Serial No. 592,291.
Electrical machines and apparatus. Jaburg Brothers, Inc. 287,161, renewed Sept. 15, 1951. O. G. Sept. 4.
Fire detecting systems, etc. Walter Kidde & Company, Inc. 286,182, renewed Aug. 18, 1951. O. G. Sept. 4.
Fixtures, unitary electric lighting. G. Ainsworth. 352,150, Nov. 23, 1937. Republished Sept. 4.
Flash lights. Hipwell Manufacturing Company. 547,664, Sept. 4; Serial No. 599,708.
Heating panels and cables, electric. Homes, Incorporated. 547,647, Sept. 4; Serial No. 590,551.
Ironing cord holders, electric. W. M. Baird. 547,642, Sept. 4; Serial No. 587,005.
Radio receiving sets. United American Bosch Corporation. 288,103, renwed Oct. 20, 1951. O. G. Sept. 4.

CLASS 22

Archery sets, fishing tackle, etc. Henry Modell & Co., Inc. 547,526, Sept. 4; Serial No. 595,547, published May 15, 1951.
Bicycles, children's. D. P. Harris Hardware & Manufacturing Co., Inc. 547,374, Sept. 4; Serial No. 524,986, published May 15, 1951.
Billiard balls. The Brunswick-Balke-Collender Company. 547,398, Sept. 4; Serial No. 558,855, published May 15, 1951.
Bowling bags. The Brunswick-Balke-Collender Company. 547,429, Sept. 4; Serial No. 574,192, published May 15, 1951.
Card games. C. G. Kindelberger. 547,508, Sept. 4; Serial No. 592,818, published May 15, 1951.
Educational game. Thorup Brothers Enterprises. 547,477, Sept. 4; Serial No. 587,768, published May 15, 1951.
Fish lures, artificial. C. S. Bozman. 547,653, Sept. 4; Serial No. 593,580.

Fish lures, artificial. Charles Garcia & Co., Inc. 547,537, Sept. 4; Serial No. 597,201, published May 15, 1951.
Fish lures, artificial. E. S. Scanlan. 547,602, Sept. 4; Serial No. 604,934, published May 15, 1951.
Fishing lines. Newton Line Company Incorporated. 547,417, Sept. 4; Serial No. 568,526, published May 15, 1951.
Fishing lures and baits, Artificial. W. H. Walters. 547,535, Sept. 4; Serial No. 597,110, published May 15, 1951.
Fishing lures, Artificial. Hinks Manufacturing Co. 547,534, Sept. 4; Serial No. 597,076, published May 15, 1951.
Fishing lures, Artificial. South Bend Bait Company. 547,444, Sept. 4; Serial No. 581,095, published May 15, 1951.
Fishing spinners and spoons. Oregon Fishing Spoon Co. 547,486, Sept. 4; Serial No. 588,317, published May 15, 1951.
Fishing tackle. The Paul Bunyan Bait Company. 547,434, Sept. 4; Serial No. 574,892, published May 15, 1951.
Fishing tackle. South Bend Bait Company. 547,604, Sept. 4; Serial No. 606,904, published May 15, 1951.
Golf clubs. Sport Products, Inc. 547,542, Sept. 4; Serial No. 597,707, published May 15, 1951.
Golf clubs, roller skates, and ice skates. Globe-Union Mfg. Co. 281,285, renewed Sept. 15, 1951. O. G. Sept. 4.
Indexing meld holders. M. A. Young. 547,591, Sept. 4; Serial No. 603,656, published May 15, 1951.
Motors, Gasoline, for use in toy model vehicles. Duro-Matic Products Company. 547,547, Sept. 4; Serial No. 598,358, published May 15, 1951.
Musical game. Music Amusements, Inc. 547,446, Sept. 4; Serial No. 581,970, published May 15, 1951.
Toy appliance. Polaris Development & Manufacturing Company. 547,495, Sept. 4; Serial No. 590,387, published May 15, 1951.
Toy bank, Children's. K. I. Brunt. 547,409, Sept. 4; Serial No. 562,750, published May 15, 1951.
Toy guns. W. Boyd. 547,603, Sept. 4; Serial No. 606,124, published May 15, 1951.
Toy guns. Product Engineering Co. 547,545, Sept. 4; Serial No. 597,908, published May 15, 1951.
Toys. Zoomerang Associates, Limited. 547,451, Sept. 4; Serial No. 583,012, published May 15, 1951.
Wading pool, Children's portable plastic. Muskin Manufacturing Co. 547,522, Sept. 4; Serial No. 595,220, published May 15, 1951.
Workbenches and package outfits. Skil-Craft Corporation. 547,529–30, Sept. 4; Serial Nos. 596,446–7, published May 15, 1951.

CLASS 23

Bearings, Bronze. The Murray Company of Texas, Inc. 547,544, Sept. 4; Serial No. 597,836, published Apr. 17, 1951.
Cigarette merchandising machines, Coin-controlled automatic. Rowe Manufacturing Co., Inc. 547,414, Sept. 4; Serial No. 567,036, published May 1, 1951.
Clamshell buckets, dolomite machines, etc. Blaw-Knox Company. 547,392, Sept. 4; Serial No. 552,345, published Dec. 26, 1950.
Coal and ore dressing machinery. N. L. Davis. 547,476, Sept. 4; Serial No. 587,624, published May 1, 1951.
Coke oven pusher machines and shaft couplings. Koppers Company, Inc. 547,410, Sept. 4; Serial No. 565,636, published June 5, 1951.
Cutlery, machines, tools and parts thereof. Jaburg Brothers, Inc. 286,788, renewed Sept. 1, 1951. O. G. Sept. 4.
Cutter and chopper, Large self-propelled combination alfalfa. Bert and Wetta. 547,431, Sept. 4; Serial No. 574,480 published Apr. 17, 1951.
Cutters, Stalk, and plow stocks. King Plow Company. 547,412, Sept. 4; Serial No. 566,154, published May 1, 1951.
Dual axle spring assemblies and foundry equipment. Newayko Engineering Company. 547,425, Sept. 4; Serial No. 572,316, published May 8, 1951.
Engine parts and tools. McQuay-Norris Manufacturing Co. 547,379, Sept. 4; Serial No. 539,066, published Apr. 10, 1951.
File handles, handles for non-electrical solder irons, and hand-operated metal punches. Parker-Kalon Corporation. 547,674, Sept. 4; Serial No. 604,800.
Hand operated injecting devices. A. S. Bettencourt. 547,381, Sept. 4; Serial No. 541,007, published Apr. 17, 1951.
Hydraulic brake bleeder. Wagner Electric Corporation. 547,501, Sept. 4; Serial No. 591,601, published Apr. 17, 1951.
Industrial suction cleaners. Handling Devices Co., Inc. 547,531, Sept. 4; Serial No. 596,465, published May 8, 1951.
Line-sparing copy holders. R. Funk & Company, Inc. 547,662, Sept. 4; Serial No. 597,864.
Machine for wire stitching signatures, boxes, and books. Ideal Stitcher & Mfg. Co. 284,389, renewed June 23, 1951. O. G. Sept. 4.
Machines for drilling, etc. Guibert Steel Company. 284,763, renewed July 7, 1951. O. G. Sept. 4.
Milking machines. Perfection Manufacturing Corporation. 376,689–90, Apr. 2, 1940. Republished Sept. 4.
Mixers. Essick Manufacturing Company. 547,637, Sept. 4; Serial No. 583,431.
Mixers, Portable tilting type concrete, etc. The T. L. Smith Company. 547,473, Sept. 4; Serial No. 587,405, published May 8, 1951.
Motors, Outboard, and parts thereof. Kiekhaefer Corporation. 547,586, Sept. 4; Serial No. 602,956, published May 1, 1951.
Razors and shears. E. Morris Manufacturing Co. 547,492–3, Sept. 4; Serial Nos. 589,864–5, published May 1, 1951.
Sawmills, sawmill husks, sawmill carriages, etc. Corley Manufacturing Company. 547,386, Sept. 4; Serial No. 549,714, published May 1, 1951.
Tools, Cutting. Dowding Tap Company. 547,667, Sept. 4; Serial No. 601,887.
Tools, Hand. Macco Manufacturing Co. Limited. 547,553, Sept. 4; Serial No. 598,735, published May 1, 1951.
Tools, Machine. Index Automatic Machine Company Limited. 547,437, Sept. 4; Serial No. 578,450, published June 5, 1951.

CLASS 24

Wringers, mangles, and domestic laundry machinery. Lovell Manufacturing Company. 36,237, re-renewed Apr. 9, 1951. O. G. Sept. 4.

CLASS 26

Apparatus for testing the heat transfer characteristics of textile fabrics. Rand Textile Development Corp. 547,516, Sept. 4; Serial No. 593,997, published May 15, 1951.
Foot measuring instruments. C. F. Brannock. 547,371, Sept. 4; Serial No. 462,218, published Apr. 17, 1951.
Gauge glasses. Corning Glass Works. 547,397, Sept. 4; Serial No. 602,604, published May 15, 1951. (Consolidated certificate, Classes 26 and 34.)
Indicators, Combustible gas. Johnson-Williams, Ltd. 547,589, Sept. 4; Serial No. 603,334, published May 15, 1951.
Motor driven centrifuges, motor driven magnetic stirrers, and liquid tachometers. Ivan Sorvall, Inc. 547,590, Sept. 4; Serial No. 603,552, published May 15, 1951.
Photographic film. Eastman Kodak Company. 284,948, renewed July 14, 1951. O. G. Sept. 4.
Taximeters, odometers, and speedometers. Viking Tool & Machine Corporation. 547,443, Sept. 4; Serial No. 579,727, published July 4, 1950.

CLASS 27

Clock cases. Coventry Ware, Inc. 547,391, Sept. 4; Serial No. 594,891, published Jan. 9, 1951. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)
Clock movements and watch movements. The United Jewelers, Inc. 187,807, Aug. 12, 1924. Republished Sept. 4.
Watch and clock movements. Louis Aisenstein & Bros. 425,504, Nov. 26, 1946. Republished Sept. 4.

CLASS 28

Gold and platinum jewelry. Goldstein-Gerson Co. 547,677, Sept. 4; Serial No. 605,256.

CLASS 29

Cleaning cloths, Cotton felt vulcanized shoe. Meyer Label Co., Inc. 547,646, Sept. 4; Serial No. 589,795.
Gummed paper strips for removing lint from clothes. C. O. Dicks Co. 547,636, Sept. 4; Serial No. 578,077.
Mops and mop heads. Piedmont Mop Company. 547,672, Sept. 4; Serial No. 604,030.

CLASS 30

Decorative porcelain and china articles. Coventry Ware, Inc. 547,391, Sept. 4; Serial No. 551,950, published May 8, 1951. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)
Earthenware and ceramic dinnerware. B. E. Weisberg. 547,681, Sept. 4; Serial No. 608,028.

CLASS 31

Domestic electric refrigerators and home freezers. AVCO Manufacturing Corporation. 547,572, Sept. 4; Serial No. 601,348, published June 12, 1951.

CLASS 32

Book ends, Porcelain. Coventry Ware, Inc. 547,391, Sept. 4; Serial No. 594,892, published Feb. 27, 1951. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)
Hammocks, Swinging couch, davenports, etc. Ames Harris Neville Co. 253,529, Feb. 26, 1929. Republished Sept. 4.
Stands, Display, sales, and storage. Food-O-Mat Corporation. 542,621, May 22, 1951, corrected. O. G. Sept. 4.

CLASS 33

Tableware. Rubel & Company Decorative Accessories Inc. 547,670, Sept. 4; Serial No. 603,253.

CLASS 34

Condenser tubes, Aluminum-bronze. The Yorkshire Copper Works Limited. 284,229, June 16, 1931. Republished Sept. 4.
Damper regulators, Hand-operated. Parker-Kalon Corporation. 547,675, Sept. 4; Serial No. 604,801.
Heat exchangers. Graham Manufacturing Co., Inc. 547,627, Sept. 4; Serial No. 566,137.
Lamp chimneys, Glass. Corning Glass Works. 547,397, Sept. 4; Serial No. 556,623, published May 29, 1951. (Consolidated certificate, Classes 26 and 34.)

CLASS 35

Hose, Fire, and conveyor and transmission belting. Lee Rubber & Tire Corporation. 547,671, Sept. 4; Serial No. 603,934.
Preformed gaskets for setting toilet bowls. W. H. Harvey. 547,634, Sept. 4; Serial No. 577,385.
Rubber patch and fuel units. The Shaler Company. 547,382, Sept. 4; Serial No. 543,842, published June 12, 1951.

CLASS 36

Cornets, trumpets, trombones, etc. F. A. Reynolds Co. Inc. 547,467, Sept. 4; Serial No. 586,548, published June 12, 1951.
Flutes, ukuleles and music boxes. Reliable Toy Co. Limited. 547,482, Sept. 4; Serial No. 587,987, published June 12, 1951.
Phonograph needles. Permo Incorporated. 547,401, Sept. 4; Serial No. 559,423, published June 12, 1951.
Phonograph styli. Permo Incorporated. 547,402, Sept. 4; Serial No. 559,425, published June 12, 1951.
Phonographs, Non-electrical, and tone arms therefor, guitars, etc. Harptone Manufacturing Corporation. 547,399, Sept. 4; Serial No. 559,024, published June 12, 1951.
Records, Grooved phonograph. Dixieland Records, Inc. 547,453, Sept. 4; Serial No. 583,469, published June 12, 1951.
Records, Grooved phonograph. L. G. Newton. 547,455, Sept. 4; Serial No. 584,414, published May 29, 1951.
Records, Grooved phonograph. Radio Corporation of America. 547,468, Sept. 4; Serial No. 587,051, published June 12, 1951.
Reeds for reed musical instruments. A. Ciccone. 547,487, Sept. 4; Serial No. 588,364, published June 12, 1951.

CLASS 37

Birth announcement forms, Partially printed. J. D. Schneider. 547,629, Sept. 4; Serial No. 566,776.
Envelope and folders. Yawman & Erbe Mfg. Co. 83,035, re-renewed Aug. 8, 1951. O. G. Sept. 4.

CLASS 38

Circulars, pamphlets, booklets, and books. J. C. Trust. 547,411, Sept. 4; Serial No. 565,847, published Apr. 3, 1951.
Periodical. Veterinary Magazine Corporation. 284,802, renewed July 7, 1951. O. G. Sept. 4.

CLASS 39

Aprons, Women's and children's textile. Lilian Marie Apparel Co. 547,539, Sept. 4; Serial No. 597,215, published June 12, 1951.
Brassières, bandeaux, corsets, etc. Maiden Form Brassiere Co. 547,558, Sept. 4; Serial No. 599,833, published June 12, 1951.
Coats, suits, and dresses, Ladies' and misses'. G. Goldenberg, Inc. 370,931, Sept. 12, 1939. Republished Sept. 4.
Crawlers, Infants' creepers, and cardigan jackets. Aig-Schechner, Inc. 547,582, Sept. 4; Serial No. 602,482, published June 12, 1951.
Dresses, pinafores, bonnets, Girls', etc. Pretty Penny, Inc. 547,385, Sept. 4; Serial No. 549,461, published June 5, 1951.
Dresses, Women's and misses'. Tabin-Picker & Co. 411,400, Jan. 16, 1945. Republished Sept. 4.
Gloves. Fairfield Glove Co. 547,593, Sept. 4; Serial No. 603,916, published June 5, 1951.
Gloves, Ladies'. Bacmo Postman Corporation. 547,567, Sept. 4; Serial No. 601,014, published June 12, 1951.
Gloves, Men's. The Associated Merchandising Corporation. 547,598, Sept. 4; Serial No. 604,344, published June 12, 1951.
Hats, Crocheted, hand crocheted hats, and hand knitted hats. G. Harrison. 547,474, Sept. 4; Serial No. 587,548, published June 5, 1951.
Hoods and collars. Werber Sportswear Inc. 547,536, Sept. 4; Serial No. 597,113, published June 12, 1951.
Hose, Men's. Products Exchange Company, Inc. 547,458, Sept. 4; Serial No. 584,994, published June 5, 1951.
Hosiery. Maro Hosiery Co., Inc. 547,406, Sept. 4; Serial No. 561,407, published June 5, 1951.
Hosiery. Skaggs-Stone, Inc. 547,566, Sept. 4; Serial No. 600,990, published June 5, 1951.
Hosiery. Vermont Hosiery and Machinery Company. 547,400, Sept. 4; Serial No. 559,074, published June 5, 1951.

Hosiery for women and girls. Hanes Hosiery Mills Company. 547,552, Sept. 4; Serial No. 598,725, published June 5, 1951.
Hosiery, Ladies'. Best Made Silk Hosiery Company. 547,373, Sept. 4; Serial No. 524,854, published June 5, 1951.
Hosiery, Ladies'. Hess-Taylor Co., Inc. 547,481, Sept. 4; Serial No. 587,950, published June 5, 1951.
Hosiery, pajamas, and slipper sox. Holeproof Hosiery Co. 547,532, Sept. 4; Serial No. 596,997, published June 12, 1951.
Hosiery, Women's. Burlington Mills Corporation. 547,460, Sept. 4; Serial No. 585,103, published June 12, 1951.
Hosiery, Women's, boys' and girls'. Vogt Knitting Mills, Inc. 547,454, Sept. 4; Serial No. 583,783, published June 12, 1951.
Hosiery, Women's and girls'. Manchester Hosiery Mills. 547,502, Sept. 4; Serial No. 591,855, published June 12, 1951.
Hosiery, Women's and misses'. Hess-Taylor Company, Inc. 547,480, Sept. 4; Serial No. 587,948, published June 5, 1951.
Hosiery, Women's and misses'. La Mode Hosiery Corporation. 547,583, Sept. 4; Serial No. 602,511, published June 12, 1951.
Outerwear, Infants', children's, boys' and girls' knit. Sanitary Knitting Co. 547,556, Sept. 4; Serial No. 598,961, published June 5, 1951.
Panties, slips, nightgowns, Ladies' and misses', etc. Allen Underwear Mfg. Co., Inc. 547,595, Sept. 4; Serial No. 604,174, published June 12, 1951.
Pants, Baby. Stardust, Incorporated. 547,533, Sept. 4; Serial No. 597,022, published June 12, 1951.
Raincoats, coats, Men's, women's and children's. The Ventile Fabrics Association of Great Britain. 547,613, Sept. 4; Serial No. 521,299, published June 5, 1951.
Sleeping bag. Stern Brothers. 547,585, Sept. 4; Serial No. 602,575, published June 12, 1951.
Sportswear, Knitted and woven. Kigel Textile Company. 547,483, Sept. 4; Serial No. 588,098, published June 5, 1951.
Stockings and socks. Bennett Bros. (Hosiery Mftrs. & Dyers) Limited. 547,478, Sept. 4; Serial No. 587,780, published June 12, 1951.
Wearing apparel, Ladies' and children's. La Mode Garment Co., Inc. 283,127, renewed May 19, 1951. O. G. Sept. 4.

CLASS 40

Plastic place mats. Hedwin Corporation. 547,676, Sept. 4; Serial No. 605,031.

CLASS 42

Jute bagging. Mente & Co., Inc. 283,415, May 26, 1931. Republished Sept. 4.

CLASS 44

Dentists' and dental furniture. Hamilton Manufacturing Company. 547,426, Sept. 4; Serial No. 573,126, published June 5, 1951.
Embalming instrument. Stel-Ike Company. 547,661, Sept. 4; Serial No. 596,630.
Manicuring implements. Millers Forge Mfg. Corp. 547,648, Sept. 4; Serial No. 590,820.
Medical syringes. S. I. Copen. 547,624, Sept. 4; Serial No. 557,022.
Power-blowers, atomizers, and nebulizers. The Devilbiss Manufacturing Company. 82,875, Aug. 1, 1911. Republished Sept. 4, 1951.
Tampons. W. H. Rabell. 547,395, Sept. 4; Serial No. 555,768, published June 5, 1951.

CLASS 45

Beverage, Non-alcoholic, maltless. Canada Dry Ginger Ale, Incorporated. 547,404, Sept. 4; Serial No. 560,187, published Aug. 23, 1949.
Beverages, Nonalcoholic maltless. Nehi Corporation. 547,524–5; Sept. 4; Serial Nos. 595,275–6, published June 19, 1951.
Beverages, Non-alcoholic maltless. Pine Spring Water Company. 547,413, Sept. 4; Serial No. 566,167, published May 15, 1951.
Beverages, Non-alcoholic, noncereal, maltless. O. W. Pees. 288,666, renewed Nov. 3, 1951. O. G. Sept. 4.
Powders used in making non-alcoholic maltless beverages. The Bol Manufacturing Company. 547,510, Sept. 4; Serial No. 593,392, published June 12, 1951.
Syrups used in making maltless soft drinks. McDowell, Pyle & Co., Inc. 547,462, Sept. 4; Serial No. 585,385, published June 5, 1951.
Table water. Great Bear Spring Company. 547,570, Sept. 4; Serial No. 601,209, published May 29, 1951.
Table water. Great Bear Spring Company. 547,571, Sept. 4; Serial No. 601,211, published May 29, 1951.

CLASS 46

Bananas, Combination of, other canned fruits; flavors and colors. Bowey's, Inc. 288,398, renewed Oct. 27, 1951. O. G. Sept. 4.
Candies. Mary Fraser Candies, Inc. 178,014, Jan. 1, 1924. Republished Sept. 4.

Candies. Welch's Candy, Limited. 325,263, June 18, 1935. Republished Sept. 4.
Candies. Welch's Candy, Limited. 409,679, Oct. 17, 1944. Republished Sept. 4.
Candy. Luft Candy Corporation. 547,615, Sept. 4; Serial No. 521,348.
Canned apple sauce. Sebastopol Cooperative Cannery. 547,461, Sept. 4; Serial No. 585,145, published May 22, 1951.
Canned beans. E. B. Bacarisse. 547,679, Sept. 4; Serial No. 607,280.
Canned evaporated milk, canned fish, etc. The Grand Union Company. 547,372, Sept. 4; Serial No. 486,574, published May 22, 1951.
Canned fish. D. B. Barelson & Co. 547,668, Sept. 4; Serial No. 602,188.
Canned food products. W. L. Wheatley, Inc. 547,657, Sept. 4; Serial No. 595,582.
Canned salmon. New England Fish Company. 547,540, Sept. 4; Serial No. 597,539, published May 22, 1951.
Canned vegetables. Clear Lake Cannery, Inc. 273,081, July 22, 1930. Republished Sept. 4.
Canned vegetables, fruits and juices. Empire State Pickling Co. 547,472, Sept. 4; Serial No. 587,256, published May 15, 1951.
Cattle feed. Raymond H. Saal & Co. 547,569, Sept. 4; Serial No. 601,077, published May 8, 1951.
Chewing gum. Bowman Gum, Inc. 547,432, Sept. 4; Serial No. 574,685, published June 12, 1951.
Chicken soup mix. Marketing & Supply Corp. 547,380, Sept. 4; Serial No. 540,083, published May 15, 1951.
Codfish, salt. Gorton-Pew Fisheries Company, Ltd. 547,550, Sept. 4; Serial No. 598,561, published May 15, 1951.
Confection. F. H. Roberts. 36,162, re-renewed Apr. 2, 1951. O. G. Sept. 4.
Confections. A. Rubin. 547,403, Sept. 4; Serial No. 559,643, published June 12, 1951.
Cooked ham. Polish Hams, Inc. 547,396, Sept. 4; Serial No. 556,218, published June 19, 1951.
Flavoring extracts. Hallock-Denton Co. 547,459, Sept. 4; Serial No. 584,985, published June 19, 1951.
Flour, Wheat. Fisher Flouring Mills Company. 281,413, renewed Mar. 17, 1951. O. G. Sept. 4.
Food products. Zefer Products, Inc. 547,658, Sept. 4; Serial No. 595,868.
Fruits, Fresh citrus. C. Bessing. 288,134, renewed Oct. 20, 1951. O. G. Sept. 4.
Grapes, Fresh. O. D. Miller. 547,563, Sept. 4; Serial No. 600,732, published May 15, 1951.
Hot chocolate powder. Bowey's Inc. 288,401, renewed Oct. 27, 1951. O. G. Sept. 4.
Ice cream. Southern Dairies, Inc. 547,665, Sept. 4; Serial No. 599,721.
Ice cream and frozen confections. Good Humor Corporation. 547,378, Sept. 4; Serial No. 536,602, published May 8, 1951.
Natural and synthetic organic chemical compounds. Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont. 276,049, Oct. 7, 1930. Republished Sept. 4.
Orange juice, Frozen. California Consumers Corporation. 547,384, Sept. 4; Serial No. 545,436, published May 8, 1951.
Oranges and lemons. Mountain View Orange and Lemon Growers Association. 84,023, re-renewed Oct. 31, 1951. O. G. Sept. 4.
Pickle chips, Candied, and cheeselike food products. The Ohio Cheese Products Company. 281,230, Mar. 10, 1931. Republished Sept. 4.
Pie crust mix, chocolate layer cake mix, golden layer cake mix, etc. 6-O'Clock Foods, Inc. 547,620, Sept. 4; Serial No. 548,193.
Prepared mix of sugar, pectin, fruit juices, etc. American Brands Corporation. 547,507, Sept. 4; Serial No. 592,744, published Apr. 24, 1951.
Raisins. Pacific Raisin Company, Inc. 547,652, Sept. 4; Serial No. 592,383.
Sweet dressing for fruit salads. Mrs. Clark's Foods, Incorporated. 547,626, Sept. 4; Serial No. 564,373.
Tongue and cheese loaf, beef loaf, pork and beef loaf, etc. Glaser's Provisions Co. Inc. 547,489, Sept. 4; Serial No. 588,948, published May 22, 1951.
Vegetables, Fresh. A. Reich & Sons. 287,877, renewed Oct. 13, 1951. O. G. Sept. 4.
Vegetables, Fresh, fresh deciduous fruits, etc. Burnand & Company. 247,768, Oct. 2, 1928. Republished Sept. 4.

CLASS 47

Champagne. Sovereign Importers, Ltd. 547,528, Sept. 4; Serial No. 596,204, published May 22, 1951.
Sparkling wines. Padre Vineyard Company. 547,394, Sept. 4; Serial No. 555,556, published June 5, 1951.
Vermouth. Ets. Clarac Freres & Clauzel. 547,541, Sept. 4; Serial No. 597,600, published May 29, 1951.
Vermouth. Popper-Morson Company. 547,513, Sept. 4; Serial No. 593,828, published May 22, 1951.
Wines. Ambrose and Company. 547,564, Sept. 4; Serial No. 600,803, published May 22, 1951.
Wines. Atlas Import & Export Corporation. 547,466, Sept. 4; Serial No. 586,230, published June 5, 1951.
Wines. Barletta Wine Company, Inc. 547,422, Sept. 4; Serial No. 571,693, published June 12, 1951.
Wines. Royal Wine Corporation. 547,548, Sept. 4; Serial No. 598,432, published June 12, 1951.
Wines. Schenley Industries, Inc. 547,503, Sept. 4; Serial No. 592,390, published June 5, 1951.
Wines and sparkling wines. Domaines Dopff "Clos Du Moulin" Societe A Responsabilite Limitee. 547,376, Sept. 4; Serial No. 533,850, published June 5, 1951.

CLASS 48

Ale. C. Schmidt and Sons, Incorporated. 547,546, Sept. 4; Serial No. 597,912, published May 15, 1951.
Beer. Esslinger's, Inc. 547,588, Sept. 4; Serial No. 603,149, published June 19, 1951.
Beer. Falls City Brewing Company, Inc. 547,575, Sept. 4; Serial No. 601,824, published June 12, 1951.
Beer. Grace Bros. Brewing Co. 547,420, Sept. 4; Serial No. 570,363, published Apr. 18, 1950.
Beer. Heineken's Bierbrouwerij Maatschappij N. V. 547,390, Sept. 4; Serial No. 551,892, published June 19, 1951.
Beer. Chas. D. Kaier Company. 547,423, Sept. 4; Serial No. 572,103, published June 19, 1951.
Beer. The Miami Valley Brewing Co. 547,389, Sept. 4; Serial No. 551,018, published May 29, 1951.
Beer. Peter Hand Brewery Company. 547,421, Sept. 4; Serial No. 570,373, published June 12, 1951.
Beer. The Walter Brewing Company. 547,441, Sept. 4; Serial No. 578,841, published May 29, 1951.
Stout. Arthur Guinness Son & Co., Ltd. 547,457, Sept. 4; Serial No. 584,905, published June 19, 1951.

CLASS 49

Beverages, Alcoholic. The Crosse & Blackwell Company. 547,565, Sept. 4; Serial No. 600,948, published May 22, 1951.
Beverages and liqueurs, Alcoholic. Leroux and Company, Inc. 547,557, Sept. 4; Serial No. 599,377, published June 5, 1951.
Brandies, liqueurs and cognacs. Jose Bustamante S. L. 547,424, Sept. 4; Serial No. 572,159, published June 12, 1951.
Brandy. P. R. Ambrosy. 547,543, Sept. 4; Serial No. 597,806, published May 22, 1951.
Distilled liquors. Stitzel-Weller Distillery. 547,587, Sept. 4; Serial No. 603,030, published May 22, 1951.
Whiskey. Esbeco Distilling Corporation. 547,433, Sept. 4; Serial No. 574,693, published May 15, 1951.
Whiskey. Popper-Morson Company. 547,514, Sept. 4; Serial No. 593,829, published May 22, 1951.
Whiskey. Schenley Distillers Corporation. 547,383, Sept. 4; Serial No. 545,172, published June 12, 1951.
Whiskey, Bourbon. B. J. Semmes & Company, Inc. 547,577, Sept. 4; Serial No. 601,950, published June 5, 1951.

CLASS 50

Figurines and animal figures. Coventry Ware, Inc. 547,391, Sept. 4; Serial No. 594,893, published Mar. 27, 1951. (Consolidated certificate, Classes 8, 27, 30, 32, and 50.)
Guards, Rat. American Sheet Metal Works. 391,505, Nov. 11, 1941. Republished Sept. 4.
Mats for covering the top of ensilage in silos. Wisconsin Silomat Manufacturing Company. 547,617, Sept. 4; Serial No. 542,898.
Religious figures and figurines, Molded. J. H. Miller Mfg. Corporation. 547,631, Sept. 4; Serial No. 570,568.
Scarecrows. Donaxe Company. 547,623, Sept. 4; Serial No. 554,959.

CLASS 51

Astringent cerates, beauty creams, bleach creams, etc. The Nestle-Le Mur Company. 547,554, Sept. 4; Serial No. 598,748, published May 29, 1951.
Deodorant, Liquid personal. Lehn & Fink Products Corporation. 547,597, Sept. 4; Serial No. 604,311, published May 29, 1951.
Eau de cologne water, perfumery, hair tonics, etc. P. P. Mulhens. 283,978, renewed June 9, 1951. O. G. Sept. 4.
Facial cream, pomade and suntan oil. T. Koss. 547,581, Sept. 4; Serial No. 602,456, published May 29, 1951.
Lash treating compound. Lady Blue Cosmetics Co. 547,633, Sept. 4; Serial No. 576,647.
Medicinal acids, acids for chemical reagents, etc. Burroughs Wellcome & Co. (U. S. A.) Inc. 286,409, renewed Aug. 25, 1951. O. G. Sept. 4.
Perfumes, toilet waters, cosmetic creams, etc. J. Liebenguth. 547,645, Sept. 4; Serial No. 589,401.
Rouge. Bourjois, Inc. 547,628, Sept. 4; Serial No. 566,497.
Soap, Shaving, and soap. McKesson & Robbins, Incorporated. 282,266, renewed Apr. 14, 1951. O. G. Sept. 4.

CLASS 52

Cleaner, Concentrated glass, John Sexton & Co. 547,430, Sept. 4; Serial No. 574,251, published Aug. 29, 1950.
Cleaning compounds, industrial. V. B. Punderson. 547,479, Sept. 4; Serial No. 587,817, published May 22, 1951.
Cleaning fluid, Jewelry. National Ring & Leather Corporation. 547,463, Sept. 4; Serial No. 585,540, published May 22, 1951.

Cleaning fluids, Kit of selected. Almor Rug and Furniture Cleaners. 547,491, Sept. 4; Serial No. 589,548, published May 22, 1951.
Cleaning preparation. J. H. Aldredge. 547,643, Sept. 4; Serial No. 587,309.
Cleaning preparations. Karseal Corporation. 547,527, Sept. 4; Serial No. 595,789, published May 22, 1951.
Detergent compositions. Fuld Bros., Inc. 547,523, Sept. 4; Serial No. 595,254, published May 22, 1951.
Hydrocarbon solvents. Sherwood Brothers Incorporated. 282,000, Apr. 7, 1931. Republished Sept. 4.
Soap. Beaver Home Products Co., Inc. 547,377, Sept. 4; Serial No. 533,978, published Mar. 21, 1950.
Soap. K. A. Lingner. 82,160, re-renewed June 6, 1951. O. G. Sept. 4.

CLASS 100

Creating and formulating designs for boxes, etc. J. Makowsky Corporation. 547,610, Sept. 4; Serial No. 568,852, published June 12, 1951.

CLASS 103

Services rendered at applicant's automotive service stations, etc. Standard Oil Company of California. 547,606, Sept. 4; Serial No. 549,187, published June 5, 1951.

CLASS 104

Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 547,605, Sept. 4; Serial No. 545,079, published June 12, 1951.
Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 547,607, Sept. 4; Serial No. 549,889, published June 5, 1951.
Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 547,608, Sept. 4; Serial No. 549,892, published June 5, 1951.

CLASS 105

Transportation services, Railway passenger. The Chesapeake and Ohio Railway Company. 547,609, Sept. 4; Serial No. 557,896, published June 12, 1951.

CLASS 106

Performing a hardening process for others on milling cutters, etc. The Fellows Gear Shaper Company. 547,611, Sept. 4; Serial No. 584,447, published June 12, 1951.

CLASS 107

Educational and entertainment services, R. J. Brown. 547,612, Sept. 4; Serial No. 593,466, published June 12, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Barker, John L., Norwalk, Conn., assignor to Eastern Industries, Incorporated. Detecting presence and movement of bodies. Re. 23,403, Sept. 4.

Colgate-Palmolive-Peet Company, assignee: *See*—
Gebhart, Arthur I.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Gladding, Edward K.
Lee, Henry R., and Weinmayr.

Eastern Industries, Incorporated, assignee: *See*—
Barker, John L.

Edwards and Company, Inc., assignee: *See*—
Miller, Christian.

Gebhart, Arthur I., Union, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Reaction of organic compounds with hydrogen halides. Re. 23,404, Sept. 4.

Gladding, Edward K., Greenville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-(2'-thenoyl)-alkyl benzoates. Re. 23,405, Sept. 4.

Lee, Henry R., and V. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitro-(2-thenoyl)-O-benzoic acids. Re. 23,406, Sept. 4.

Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Plug and receptacle construction. Re. 23,407, Sept. 4.

Penrose, William F., assignee: *See*—
Wiseley, Don C.

Weinmayr, Viktor: *See*—
Lee, Henry R., and Weinmayr.

Wiseley, Don C., Los Angeles, Calif., assignor to W. F. Penrose, Newark, N. J. Brake holder system. Re. 23,408, Sept. 4.

LIST OF DESIGN PATENTEES

Alba Footwear, Inc., assignee: *See*—
Alpert, Robert.

Alpert, Robert, assignor to Alba Footwear, Inc., Malone, N. Y. Lady's overshoe. 164,397, Sept. 4.

Atlanta Stove Works, Inc., assignee: *See*—
Price, Samuel J., Jr.

Barricks, Joseph B., Des Moines, Iowa. Toy propeller-ejecting gun. 164,398, Sept. 4.

Baumer, Norbert J., East Orange, assignor to A. Gross Candle Company, Inc., Linden, N. J. Candle holder. 164,399, Sept. 4.

Brasier, Oscar H., Tacoma, Wash. Coin bank. 164,400, Sept. 4.

Caplan, Marvin, assignor to Oscar Caplan & Sons, Inc., Baltimore, Md. Alphabet for forming monograms or the like. 164,401, Sept. 4.

Caplan, Oscar, & Sons, Inc., assignee: *See*—
Caplan, Marvin.

Card, James V., La Grange, Tex. Tot's scooter-stroller. 164,402, Sept. 4.

Carroll, Ellsworth W.: *See*—
Edgemond, John W., Jr., and Carroll.

Catz and Weir, assignee: *See*—
Edgemond, John W., Jr., and Carroll.

Clyne, Joseph N., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind. Polishing machine or similar article. 164,403, Sept. 4.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. 164,404, Sept. 4.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cup. 164,405, Sept. 4.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Sugar bowl. 164,406, Sept. 4.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Casserole or similar article. 164,407, Sept. 4.

Cowan, R. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cover for casserole or similar article. 164,408, Sept. 4.

Crooker, David E., assignee: *See*—
Sprigg, Edward A.

Dey, John A., Miami, Fla. School safety traffic sign. 164,409, Sept. 4.

Dietrich, Richard E., Long Beach, Ind. Automobile visor roof mount bracket. 164,410, Sept. 4.

Dowell, George D., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C. Lady's stocking. 164,411, Sept. 4.

Edgemond, John W., Jr., Los Altos, and E. W. Carroll, Redwood City, assignors to Catz and Weir, San Francisco, Calif. Ticket dispenser. 164,412, Sept. 4.

Ehlert, Frederick W.: *See*—
Marquis, Joseph D., and Ehlert.

Farles Manufacturing Company, assignee: *See*—
Laystrom, Carl A., and Sigler.

Felker, Lloyd, assignee: *See*—
Sprigg, Edward A.

Finch, Leonard E., assignor to West Bend Aluminum Co., West Bend, Wis. 164,413, Sept. 4.

Gerlat, Matthew E., Milwaukee, Wis. Ash tray. 164,414, Sept. 4.

Gross, A., Candle Company, Inc., assignee: *See*—
Baumer, Norbert J.

Guilford, Oscar D., Jr., Syracuse, N. Y. Container for candles. 164,415, Sept. 4.

Hallward, Michael, Swampscott, Mass. Kitchen cabinet. 164,416, Sept. 4.

Hallward, Michael, Swampscott, Mass. Kitchen cabinet. 164,417, Sept. 4.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Napkin or similar article. 164,418, Sept. 4.

Hanes Hosiery Mills Company, assignee: *See*—
Dowell, George D.

Hensel, Andrew O., assignor to Perfex Corporation, Milwaukee, Wis. Thermostat housing. 164,419, Sept. 4.

Hodgman, Clare E., New York, N. Y., assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator cover. 164,420, Sept. 4.

Hodgman, Clare E., New York, N. Y., assignor to The Vulcan Radiator Company, Hartford, Conn. Radiator cover. 164,421, Sept. 4.

Holden, Marquerite H., assignee: *See*—
Holden, Orloff W.

Holden, Orloff W., assignor to O. W. and M. H. Holden, doing business as Knickerbocker Rubber Company, Not Inc., Chicago, Ill. Water faucet aerator. 164,422, Sept. 4.

Howell, Tyler, Jonesville, Mich. Signal flare. 164,423, Sept. 4.

Huck, Joseph, Tenafly, N. J., assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y. Portable grandstand unit. 164,424, Sept. 4.

Jones, Charles E., assignor to Rockwell-Barnes Company, Chicago, Ill. Desk. 164,425, Sept. 4.

Kelleher, Thomas J., Chicago, Ill. Clothes rack. 164,426, Sept. 4.

Knickerbocker Rubber Company, Not Inc.: *See*—
Holden, Orloff W.

Kress, Herman, New York, N. Y. Glove. 164,427, Sept. 4.

Kress, Herman, New York, N. Y. Glove. 164,428, Sept. 4.

Kress, Herman, New York, N. Y. Glove. 164,429, Sept. 4.

Lawhorn, Gordon H., Ellerson, Va. Order holding attachment for bottles. 164,430, Sept. 4.

Laystrom, Carl A., Decatur, and H. R. Sigler, Argenta, assignors, by mesne assignments, to Farles Manufacturing Company, Chicago, Ill. Recessed bathroom fixture or similar article. 164,431, Sept. 4.

Letrent, Michael, Camden, N. J. Christmas tree stand. 164,432, Sept. 4.

Levin, Jacob, New York, N. Y. Beverage dispenser. 164,433, Sept. 4.

Lougaris, Caroline F., Reno, Nev. Doll. 164,434, Sept. 4.

Lovelace, William J., Indianapolis, Ind. Exhaust ventilating fan unit. 164,435, Sept. 4.

Lyon, George A., Detroit, Mich. Wheel cover or similar article. 164,436, Sept. 4.

Marquis, Joseph D., and F. W. Ehlert, Chicago, Ill., assignors to Curt Teich & Company. Article support for a display stand. 164,437, Sept. 4.

Mayer, Milton, assignor to Vanity Corset Company, Inc., New York, N. Y. Girdle. 164,438, Sept. 4.

McKee Glass Company, assignee: *See*—
Poglein, Louis.
Milwaukee Lace Paper Company, assignee: *See*—
Hamilton, Kenneth C.
Miran, Julius, Bronx, N. Y. Stocking. 164,439, Sept. 4.
Nicholson, Joseph S., Sydney, Nova Scotia, Canada. Combination memorandum pad and holder. 164,440, Sept. 4.
Onondaga Pottery Company, assignee: *See*—
Cowan, R. Guy.
Orzechowski, Benjamin: *See*—
Orzechowski, Henry and B.
Orzechowski, Henry, Pawtucket, and B. Orzechowski, Central Falls, R. I. Photograph album. 164,441, Sept. 4.
Pagratis, Peter S., & Associates, assignee: *See*—
Tremulis, Alexander S.
Park, Mary P., Chester County, Pa. Confection package. 164,442, Sept. 4.
Patent Scaffolding Co., Inc., The, assignee: *See*—
Huck, Joseph.
Peet, Nelson R., Jr., Syracuse, N. Y. Panel for automatic washing machines or the like. 164,443, Sept. 4.
Peet, Nelson R., Jr., Syracuse, N. Y. Panel for household appliances. 164,444, Sept. 4.
Perfex Corporation, assignee: *See*—
Hensel, Andrew O.
Perkins, Ronald R., Dallas, Tex. Refrigerated butter and cream dispensing unit. 164,445, Sept. 4.
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Bird house. 164,446, Sept. 4.
Price, Samuel J., Jr., Birmingham, Ala., assignor to Atlanta Stove Works, Inc. Heater cabinet. 164,447, Sept. 4.
Ransom, Harland R., Detroit, Mich. Combined can and bottle opener. 164,448, Sept. 4.
Richford Corporation, assignee: *See*—
Roehrich, Paul E.
Rockwell-Barnes Company, assignee: *See*—
Jones, Charles E.
Roehrich, Paul E., Rockville Centre, assignor to Richford Corporation, New York, N. Y. Perfume bottle or the like. 164,449, Sept. 4.
Rosenkrans, Frederick W. and H. M., Westwood, N. J. Miniature illuminable church. 164,450, Sept. 4.
Rosenkrans, Helen M.: *See*—
Rosenkrans, Frederick W. and H. M.
Rudd, George, assignor to The Walker China Company, Bedford, Ohio. Plate or similar article. 164,451, Sept. 4.
Schiffer, Samuel S., New York, N. Y. Rack. 164,452, Sept. 4.
Scully, Frank P., Belmont, assignor to Scully Signal Company, Cambridge, Mass. Housing for gauge and audible signaling device. 164,453, Sept. 4.
Scully Signal Company, assignee: *See*—
Scully, Frank P.
Sebel, Harry, London, England. Riding toy. 164,454, Sept. 4.
Sigler, Howard R.: *See*—
Laystrom, Carl A., and Sigler.
Silver, Cis, New York, N. Y. Garment hanger or similar article. 164,455, Sept. 4.
Sprigg, Edward A., East Orange, N. J., assignor to D. E. Crooker, Ontonogan, Mich., and L. Felker, Marshfield, Wis. Shoe sole. 164,456, Sept. 4.
Sprigg, Edward A., East Orange, N. J., assignor to D. E. Crooker, Ontonogan, Mich., and L. Felker, Marshfield, Wis. Shoe sole. 164,457, Sept. 4.
Stackhouse, David L., Warwick, R. I. Game board. 164,458 Sept. 4.
Stolpe, Bertrand E., Des Moines, Iowa. Combination jar and bottle opener. 164,459, Sept. 4.
Teich, Curt, & Company, assignee: *See*—
Marquis, Joseph D., and Ehlert.
Towns, Mirabeau C., Jr., Sparta, N. J. Hairpin. 164,460, Sept. 4.
Tremulis, Alexander S., Ypsilanti, Mich., assignor to Peter S. Pagratis & Associates, Chicago, Ill. Automobile hood ornament or similar article. 164,461, Sept. 4.
Tyler, Willard G., Albany, Calif. Electric socket and tap unit. 164,462, Sept. 4.
Vanity Corset Company, Inc., assignee: *See*—
Mayer, Milton.
Vonnegut Moulder Corporation, assignee: *See*—
Clyne, Joseph N.
Vulcan Radiator Company, The, assignee: *See*—
Hodgman, Clare E.
Walker China Company, The, assignee: *See*—
Rudd, George.
West Bend Aluminum Co., assignee: *See*—
Finch, Leonard E.
White, Constance R., Beverly Hills, Calif. Toy figurine or similar article. 164,463, Sept. 4.
Wright, Karl T., Cuyahoga Falls, Ohio. Window shelf or similar article. 164,464, Sept. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/B Svenska Maskinverken, assignee: *See*—
Dalin, David, and Wängsjö.
A. W. Machine Company, assignee: *See*—
Andrew, Charles, and Waltkens.
Abbott, Edward J., deceased, by S. L. Abbott, executor, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Winding machine. 2,566,299, Sept. 4.
Abbott Laboratories, assignee: *See*—
Ryan, George R., and Young.
Abbott, Samuel L., executor: *See*—
Abbott, Edward J.
Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.
Abrahamczik, Ernst, H. Petrovicki, and F. Schaffernak, Heidelberg, Germany. Treatment of lacteal sera. 2,566,477, Sept. 4.
Adam, Folger, Joliet, assignor to T. A. Banning, Jr., Chicago, Ill. Record album. 2,566,300, Sept. 4.
Addressograph-Multigraph Corporation, assignee: *See*—
Mitchell, Lester F.
Van Dusen, Charles H., Jr., and Weissenborn.
Aerolex Limited, assignee: *See*—
Harley, Frank B.
Affiliated Machine & Tool Co., assignee: *See*—
Grater, Edward V.
Agan, Leon C., Dexter, Mich., assignor to American Broach & Machine Co. Broaching machine. 2,567,093, Sept. 4.
Air Associates, Incorporated, assignee: *See*—
Kupiec, Harry P.
Aircraft-Marine Products, Inc., assignee: *See*—
Macy, James C.
Aircraft Radio Corporation, assignee: *See*—
Farnham, Paul O.
Air-Maze Corporation, assignee: *See*—
Schaaf, Oliver H.
Aktiebolaget Elektrolux, assignee: *See*—
Kögel, Wilhelm G.
Aktieselskabet Dansk Gaerings-Industri, assignee: *See*—
Jørgensen, Holger.
Albert, Alan, Denver, Colo. Portable refrigeration box. 2,566,301, Sept. 4.
Albright, James E., Collingswood, N. J., assignor to Radio Corporation of America. Television camera with indicator. 2,566,509, Sept. 4.
Alcoriza, Sofronio B., Walnut Grove, Calif. Brake fluid operated switch unit. 2,566,545, Sept. 4.
Alexander, Sylvia C., Ukiah, Calif. Headrest. 2,566,757, Sept. 4.
Allen, Charles F. H., and J. A. Van Allan, assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of cinnamoyl-vinyl aromatic hydrocarbons. 2,566,302, Sept. 4.
Allen, Herbert: *See*—
Calhoun, George H., and Van Allen.
Allen, Holless, North Kansas City, Mo. Automatic reel for garden hose. 2,566,867, Sept. 4.
Allia, Domenico J., Worcester, Mass. Revolution counting device with radio-active control. 2,566,808, Sept. 4.
Allied Chemical & Dye Corporation, assignee: *See*—
Carter, Bernard M.
Lopker, Edwin B.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Cook, Eugene B.
Roubal, Alexander J.
All-Metal Products Company, assignee: *See*—
Gora, John, and Scarbrough.
Allmond, William F., Norfolk, Va. Luggage railing for automotive vehicles. 2,566,303, Sept. 4.
Altree, Eric D.: *See*—
Levaur, Bernard D., and Altree.
Alward, Leroy D., Albany, assignor to The Pelton Water Wheel Company, San Francisco, Calif. Hydraulic pumping jack. 2,566,295, Sept. 4.
American Broach & Machine Co., assignee: *See*—
Agan, Leon C.
American Car and Foundry Company, assignee: *See*—
Folmsbee, Clyde H.
American Cyanamid Company, assignee: *See*—
Ashley, Kenneth D., and Innes.
Cooper, Hal B. H., and Mensing.
Landes, Chester G., and Studeny.
Padbury, John J., and Tarrant.
Studeny, John.
Vitalis, Emil A.
American Electro Metal Corporation, assignee: *See*—
Stern, George.
American Enka Corporation, assignee: *See*—
Bakker, Willem, and Blomberg.
Levison, Robert, and Blomberg.
American Pipe and Construction Co., assignee: *See*—
Whiting, William A.
American Steel Foundries, assignee: *See*—
Tack, Carl E., and Helsten.
Amery, Arthur H., Willaston, Wirral, assignor to J. Bebby & Sons Limited, Liverpool, England. Crushing machine. 2,567,045, Sept. 4.
Anderson, Carlos E., assignor to Kensington Steel Company, Chicago, Ill. Tip and shank for hammer mills. 2,566,758, Sept. 4.
Anderson, Earl E., Milwaukee, Wis. Brush holder. 2,566,650, Sept. 4.
Anderson, George W., Port Washington, assignor to United States Plywood Corporation, New York, N. Y. Floating corner construction. 2,566,649, Sept. 4.
Anderson, Gordon S., Millbrook, assignor to Stewart R. Brown Mfg. Co., Inc., New York, N. Y. Two-color wand light attachment for flash lights. 2,567,046, Sept. 4.
Andrew, Charles, and F. Waltkens, Brooklyn, assignors to A. W. Machine Company, New York, N. Y. Closure cap lining machine. 2,567,141, Sept. 4.
Andrews, James D., Oakes, N. Dak. Skid chain applier and remover. 2,566,396, Sept. 4.
Arliss, George J., Detroit, Mich. Bed guard. 2,567,047, Sept. 4.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Armstrong, James G., assignor to A. B. Chance Company, Centralia, Mo. High-voltage electric switch. 2,566,917, Sept. 4.
Armstrong Siddeley Motors Limited, assignee: *See*—
Lindsey, William H.
Armsen Company, assignee: *See*—
Sendzimir, Tadeusz, and Eckert.
Arpin, Edmund P., Jr., Neenah, Wis. Rotary refiner. 2,566,869, Sept. 4.
Aschman, Paul F.: *See*—
Tea, Clark A., and Aschman.
Aschner, Thomas C., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Stabilized iodoxy benzoic compounds and the producing. 2,566,592, Sept. 4.
Ashley, Kenneth D., and W. B. Innes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparation of an iron oxide-magnesium chromate catalyst. 2,567,140, Sept. 4.
Atlas Powder Company, assignee: *See*—
Griffin, William C.
Atomix Inc., assignee: *See*—
Boe, Carsten F., and Lowstuter.
Auto Transport Co., assignee: *See*—
Carey, Clinton C.
Automatic Electric Laboratories, Inc., assignee: *See*—
McCreary, Harold J.
Avery, B. F., & Sons Company, assignee: *See*—
Stutzke, Robert E.
Babit, David, New York, N. Y. Multipurpose furniture. 2,566,818, Sept. 4.
Baier, Willard E.: *See*—
Stevens, Jesse W., Pritchett, and Baier.
Bailey Meter Company, assignee: *See*—
Shannon, Jack F.
Baker, J. T., Chemical Co., assignee: *See*—
Gardner, John H., and Stevens.
Bakker, Willem, Arnhem, and B. J. Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Continuous spinning apparatus. 2,566,438, Sept. 4.
Baltsois, Alexander, Springfield, Mass. Watch cleaning device. 2,566,819, Sept. 4.
Banning, Thomas A., Jr., assignee: *See*—
Adam, Folger.
Barber, Azro L., assignee: *See*—
Worsham, Irvin L.
Barco, Allen A., Princeton, N. J., assignor to Radio Corporation of America. Power supply system. 2,566,510, Sept. 4.
Barker, Charles E.: *See*—
Fine, Harold D., and Barker.
Barker, John C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel structure. 2,567,142, Sept. 4.

Barnes, George W., Jr., Clifton Heights, Pa., R. M. Johnson, Palmyra, N. J., and W. P. Wills, Philadelphia County, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Telautographic instrument. 2,566,546, Sept. 4.

Barnett, Morris, Philadelphia, Pa. Motion-picture projector case. 2,566,714, Sept. 4.

Bartleson, John D., East Cleveland, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants and lubricant additives. 2,566,397, Sept. 4.

Bartleson, John D., East Cleveland, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricants and lubricant additives. 2,566,398, Sept. 4.

Bartlett, George H., Vancouver, Wash. Combined scraper blade and scarifier attachment for tractors. 2,566,547, Sept. 4.

Bassi, Julius J., Monrovia, Calif. Measuring device for bowling balls. 2,566,511, Sept. 4.

Bastian, Arthur L., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Close differential relay control. 2,566,974, Sept. 4.

Bastian-Blessing Company, The, assignee: *See*—
Thompson, Parke H.

Bata, narodni podnik, assignee: *See*—
Vicek, Alois.

Bates, Albert H., assignor to Burd Piston Ring Company, Rockford, Ill. Method of and machine for making piston rings. 2,566,304, Sept. 4.

Battles, Ralph A.: *See*—
Battles, Willis R. and R. A.

Battles, Willis R., Redondo Beach, and R. A. Battles, El Monte, Calif. Car seat convertible to bed. 2,567,048, Sept. 4.

Baum, Arthur A.: *See*—
Sturgis, Bernard M., and Baum.

Beachler, Edward D., assignor to Beloit Iron Works, Beloit, Wis. Papermaking machine rectifier roll. 2,566,439, Sept. 4.

Beacom, Harold R., Osborn, Ohio. System for eliminating or greatly reducing the errors in gyroscopic devices or the like. 2,566,305, Sept. 4.

Beagle, Victor E., Alexandria, Va. Cover for curb boxes and the like. 2,566,870, Sept. 4.

Beauchesne, Paul, Redon, and R. S. Deville, assignors to Societe Francaise des Charbonnages du Tonkin, Paris, France. Production of metal from oxide ores. 2,566,548, Sept. 4.

Beaufait, Loren J., Jr.: *See*—
Huffman, Eugene H., and Beaufait.

Bebby, J., & Sons Limited, assignee: *See*—
Amery, Arthur H.

Becker, Carl W., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,566,478, Sept. 4.

Becker, Carl W., Arlington, assignor to Raytheon Manufacturing Company, Newton, Mass. Tunable magnetron. 2,566,479, Sept. 4.

Becker, Joseph L.: *See*—
Coulter, Samuel T., and Becker.

Beckwith, Gertrude H., and J. L. Sutherland, San Pedro, assignors to Philip R. Park, Inc., Outer Harbor, San Pedro, Calif. Animal feedstuff. 2,566,549, Sept. 4.

Bedford, Clay P., Ypsilanti, D. B. Hammond, and J. L. Hallett, Ann Arbor, assignors to Kaiser-Fraser Corporation, Willow Run, Mich. Door having cast inner panel and rail to which outer sheet panel is attached. 2,566,871, Sept. 4.

Beesch, Samuel C., Columbus, Ohio, assignor to Publicker Industries Inc., Philadelphia, Pa. Sampling apparatus. 2,566,306, Sept. 4.

Belada, John Glassboro, N. J., assignor to Owens-Illinois Glass Company. Machine for assembling caps and liners. 2,567,094, Sept. 4.

Bell & Howell Company, assignee: *See*—
Radig, Walter E.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Crump, Elmo E.
De Lange, Owen E., and Goodall.
Krumreich, Charles L.
Morton, Jack A.
Mott, Edward E.
Parks, Charles O.
Sheppard, William G.

Belluche, Frank R., assignor to The Christensen Machine Company, Racine, Wis. Line-up machine. 2,567,049, Sept. 4.

Belmont Radio Corporation, assignee: *See*—
Hiller, Elmer G.

Beloit Iron Works, assignee: *See*—
Beachler, Edward D.
Hornbostel, Lloyd.

Bemis, Ken E., Oakland, Calif. Ice-cream softening apparatus. 2,566,651, Sept. 4.

Bench, Leslie W., Moline, Ill. Automatically regulated lead-away trough for downspouts. 2,567,004, Sept. 4.

Bendix Aviation Corporation, assignee: *See*—
Gilbert, Samuel, and Miller.
Orban, Stephen G.
Price, Earl R.
Thomas, Thomas H.

Bendix Products Corporation, assignee: *See*—
Huyck, Ralph S.

Benjamin, Allen, assignor to Skilsaw, Inc., Chicago, Ill. Portable tool. 2,567,095, Sept. 4.

Bennes, Charles D., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Aligning stage for instruments. 2,567,005, Sept. 4.

Bennett, Wilburn O.: *See*—
Christofoli, Pietro J., and Bennett.

Beranek, Leo L., Cambridge, Mass. Voice silencer. 2,566,975, Sept. 4.

Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Dual temperature absorption refrigeration system. 2,566,480, Sept. 4.

Bergfors, Carl A., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Binary-decade counter. 2,566,918, Sept. 4.

Berggren, Lloyd E., Verona, H. E. Gille, Jersey City, and W. F. Smith, Irvington, N. J., assignors to Wright Aeronautical Corporation. Air assisted fuel nozzle. 2,566,788, Sept. 4.

Bergin, Martha J.: *See*—
Keilholtz, Gerald W., and Bergin.

Berglund, Orion W., Dayton, assignor to The Orr & Blanket Company, Piqua, Ohio. Multiple impregnation of papermaker's felt. 2,567,097, Sept. 4.

Bernhardt, Paul A., Milwaukee, Wis. Hinge. 2,566,872, Sept. 4.

Bernstrom, Clarence R., East Greenwich, R. I. Water heater. 2,566,976, Sept. 4.

Berrar, Karl L., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Protective liner for can impellers. 2,567,096, Sept. 4.

Besser Manufacturing Co., assignee: *See*—
Zevely, Thomas K.

Bessiere, Pierre E., Paris, assignor to Societe Electro-Mecanique de l'Aveyron S. A., Rodez, France. Device to prevent overheating of shaft bearings. 2,566,715, Sept. 4.

Better Packages Incorporated, assignee: *See*—
Krueger, Theodore H.

Beyon, John K., Chicago, Ill. Combination deep well and top cooking unit for cookstoves. 2,566,440, Sept. 4.

Bierman, Harry C., assignee: *See*—
Strickman, Samuel W.

Bigelow-Sanford Carpet Co., Inc., assignee: *See*—
Cook, Jerome E.

Bilderbeck, James L., Jacksonville, Fla. Take-up reeling mechanism for electrically operated lawn mowers. 2,566,512, Sept. 4.

Birdsboro Steel Foundry and Machine Company, assignee: *See*—
Peterson, Edward T.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Control for centrifugal compressor systems. 2,566,550, Sept. 4.

Bischoff, George H., Fort Devens, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aluminum articles coated with heat-sealable composition. 2,566,513, Sept. 4.

Bischoff, George H., Fort Devens, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aluminum articles coated with heat-sealable composition. 2,566,514, Sept. 4.

Bishop, Nathaniel, Fairfield, Conn., assignor to Time, Inc., New York, N. Y. Lateral register control mechanism for printing presses. 2,566,399, Sept. 4.

Black, James A., and E. A. Stouten, assignors to Continental Decalcomania Company, Grand Rapids, Mich. Silk screen stencil apparatus. 2,566,919, Sept. 4.

Blackinton, Roswell J., Whittier, and F. E. Stewart, assignors to Western States Lacquer Corporation, Los Angeles, Calif. Optical sight means for indicating the level of liquids or other reflective surfaces. 2,566,789, Sept. 4.

Bloom, Charles E., assignee: *See*—
Strickman, Samuel W.

Blomberg, Barend J.: *See*—
Bakker, Willem, and Blomberg.
Levison, Robert, and Blomberg.

Bloomfield, Mabel G., Detroit, Mich. Crib cover. 2,566,790, Sept. 4.

Bloomfield, Samuel, Wichita, assignor to C. E. Hovey, Kansas City, Mo., as trustee. Slip-on nut. 2,566,593, Sept. 4.

Board of Trustees of The Leland Stanford Junior University, The, assignee: *See*—
Varian, Russell H.

Bodensieck, Ernst J., Euclid, assignor to Thompson Products, Inc., Cleveland, Ohio. Fuel system for heaters. 2,567,143, Sept. 4.

Boe, Carsten F., Wooddale, and W. R. Lowstuter, assignors to Atomix Inc., Wilmington, Del. Combined cleaning and polishing composition. 2,566,716, Sept. 4.

Boeker, Justin R.: *See*—
Lyon, Herman L., and Boeker.

Boice-Crane Company, assignee: *See*—
Boice, William B.

Boice, William B., assignor to Boice-Crane Company, Toledo, Ohio. Band tool guide. 2,566,551, Sept. 4.

Boldizsoni, Teobaldo G., New York, N. Y. Glove smoothing and stretching machine. 2,566,552, Sept. 4.

Bole, Robert K.: *See*—
Wertman, David, and Bole.

Bonebrake, A. C., assignee: *See*—
Miller, Hugh A.

Boonton Molding Company, asignee: *See*—
Sayre, Gordon B.

Booth, Ernest, executor: *See*—
Wakeford, Leslie E., and Hewitt.

Booth, Herbert G., Harrison, N. Y., assignor to David Traum Company, Incorporated. Skirt marking device. 2,567,006, Sept. 4.

Borden Company, The, assignee: *See*—
Novotny, Ernest E., and Vogelsang.

Borg-Warner Corporation, assignee: *See*—
Reed, Harold V.
Zeidler, Reinhold C.

Bostitch, Inc., assignee: *See*—
Maynard, Arthur H.

Boulden, Edward W., Sioux City, Iowa. Convertible trailer and truck bed. 2,566,977, Sept. 4.

Boyden, Robert E., Los Angeles, assignor to Clary Multiplier Corporation, San Gabriel, Calif. Carrying means for office machines. 2,567,098, Sept. 4.

Boyle, John R., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill. Dew point measuring apparatus and method. 2,566,307, Sept. 4.

Bradley, William E., Springfield Township, Montgomery County, assignor to Philco Corporation, Philadelphia, Pa. Signal mixing system. 2,566,820, Sept. 4.

Brand, Samuel, Binghamton, and J. M. Cunningham, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Skip bar for punching machines. 2,566,920, Sept. 4.

Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A., and Kling.

Brassert, Herman A., Washington, Conn., and F. E. Kling, Brooklyn, assignors to H. A. Brassert & Company, New York, N. Y. Blast furnace. 2,567,007, Sept. 4.

Brekle, Oliver R., assignor to Precision Crown Company, Birmingham, Ala. Wire garment hanger forming machine. 2,566,400, Sept. 4.

Brewer, Aubrey K., Richland Center, Wis. Process and apparatus for the electro-chemical separation of chemicals by ion migration. 2,566,308, Sept. 4.

Brictson, Casper A., assignee: *See*—
Shoults, Clyde A., and Walker.

Briscoe, Earnest H., assignor, by mene assignments, to Briscoe Manufacturing Company, Columbus, Ohio. Acid-resistant electrical immersion heater. 2,566,921, Sept. 4.

Briscoe Manufacturing Company, assignee: *See*—
Briscoe, Earnest H.

Bristol Aeroplane Company Limited, The, assignee: *See*—
Owner, Frank M., and Marchant.

Bristol, Raymond M., assignor to A. Shemet, New York, N. Y. Resilient spring device. 2,566,691, Sept. 4.

Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. Aryl esters of 4-clorobenzene sulfonic acid. 2,567,008, Sept. 4.

Britton, Karl B., Bratenahl, Ohio, assignor to Thompson Products, Inc. Fluid control system. 2,566,873, Sept. 4.

Broadbent, John H., Willistown Township, Chester County, assignor to The Union Switch and Signal Company, Swissvale, Pa. Control of electric locks for railway track switch operating levers. 2,567,050, Sept. 4.

Brode, George E., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Time-delay relay circuits. 2,566,309, Sept. 4.

Broekhuizen, Dina A., executrix: *See*—
Lubberhuizen, Jan W.

Brook, Kenneth: *See*—
Holt, George A., and Brook.

Brookes, Samuel, Sedgley, near Dudley, assignor to W. Levison, and H. W. Littleales, London, England. Secateur. 2,567,051, Sept. 4.

Brosseit, Mary A., Chicago, Ill. Toy for blowing smoke-filled bubbles. 2,566,296, Sept. 4.

Brown, Anna, assignee: *See*—
Brown, Edward C.

Brown, Carl D.: *See*—
Fiset, Alphonse J., and Brown.

Brown, Carl D., and G. E. Repass, assignors to Draper Corporation, Hopedale, Mass. Combing mechanism for cross-laying machines. 2,566,922, Sept. 4.

Brown, Edward C., asignor of one-half to A. Brown, St. Petersburg, Fla. Swinging crib. 2,566,594, Sept. 4.

Brown, Harold P., Akron, Ohio, and R. J. Houston, Fairfax, Calif., assignors to The B. F. Goodrich Company, New York, N. Y. Polymerisation of butadiene-1,3-hydrocarbons in aqueous emulsion in the presence of a ferricyanide, a diazomercapto compound, and an alcohol. 2,566,821, Sept. 4.

Brown, Stewart R., Mfg. Co., Inc., assignee: *See*—
Anderson, Gordon S.

Brown, William, Nottingham, England. Selector mechanism for change speed hub gears of cycle wheels. 2,566,978, Sept. 4.

Brush Development Company, The, assignee: *See*—
Stoltz, James F.
Williams, Alfred L. W.

Buckle, Richard H., executor: *See*—
Wakeford, Leslie E., and Hewitt.

Budish, Melvin, Worcester, Mass. Manufacture of false teeth. 2,566,652, Sept. 4.

Buell, Albert H., Erie, Pa. Leveling device. 2,566,481, Sept. 4.

Buhl, Walter T.: *See*—
Heintz, Ralph M., and Buhl.

Burd Piston Ring Company, assignee: *See*—
Bates, Albert H.

Burghart, Lloyd M., Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. One-phase antirust liquid containing an alkali metal borate and mixed monoricinoleate esters. 2,566,923, Sept. 4.

Burghart, Lloyd M., Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. One-phase antirust liquid containing an alkali metal borate and a long-chain alcohol. 2,566,924, Sept. 4.

Burghart, Lloyd M., Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. One-phase antirust liquid containing triethanolamine metaborate, triethanolamine, and mixed monoricinoleate esters. 2,566,925, Sept. 4.

Burghart, Lloyd M., Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. One-phase antirust liquid containing triethanolamine metaborate, triethanolamine and a long-chain alcohol. 2,566,926, Sept. 4.

Burns, James A., Garden City, N. Y., and E. G. Engel, Roselle, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Tray type heat exchanger. 2,566,310, Sept. 4.

Burton, William P., Orange, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,566,311, Sept. 4.

Buss, John W., Canton, assignor to The Hoover Company, North Canton, Ohio. Spraying device. 2,567,099, Sept. 4.

Bustin, Leopold, Mammaroneck, N. Y. Swingable step for motor vehicles and the like. 2,566,401, Sept. 4.

Butterfield, John P., assignor to Chrysler Corporation, Highland Park, Mich. Suspension for steerable wheels. 2,567,144, Sept. 4.

C. A. V. Limited, assignee: *See*—
Kemp, Kenneth A. W.

Cable, John C., Marshall, Mo. Celestial navigation instrument. 2,566,312, Sept. 4.

Cahill, Thomas F., Chicago, Ill. Feeding attachment for addressing machines. 2,566,822, Sept. 4.

Calhoun, George H., and H. Allen, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Equipment for inserting small flexible tubing into high-pressure wells. 2,567,009, Sept. 4.

California Fruit Growers Exchange, assignee: *See*—
Stevens, Jesse W., Pritchett, and Baier.

Callahan, Randall B., and R. R. Gripp, Santa Monica, Calif. Seal opener. 2,566,653, Sept. 4.

Cameron, Peter C., Washington, D. C. Teething aid. 2,566,595, Sept. 4.

Camras, Marvin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Magnetic record medium and making the same. 2,566,441, Sept. 4.

Cantor, Jacob J., Los Angeles, Calif. Preparing dental investments and the like. 2,566,596, Sept. 4.

Carey, Clinton C., assignor to Kenosha Auto Transport Co., Springfield, Ohio. Trailer for transporting vehicles. 2,567,100, Sept. 4.

Cariffe, Eleanor E., by decree of distribution: *See*—
Cariffe, Joseph V.

Cariffe, Joseph V., San Marino, Calif.; by decree of distribution to E. E. Cariffe. Pressure type irrigating apparatus. 2,566,823, Sept. 4.

Carignan, Charles J., Cranston, R. I., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparing uranium pentafluoride. 2,567,145, Sept. 4.

Carlson, Gale K., Dixon, Ill. Limit switch. 2,566,824, Sept. 4.

Carpenter, Albert S., S. Coldfield, Birmingham, and D. L. Wilson, Coventry, assignors to Courtaulds Limited, London, England. Production of polythioureas. 2,566,717, Sept. 4.

Carpenter, Victor H., Boston, Mass. Matrix band for use in filling dental cavities. 2,567,101, Sept. 4.

Carrier Corporation, assignee: *See*—
Berestneff, Alexis A.

Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record feeding device. 2,566,927, Sept. 4.

Carruthers, Eben H., Warrenton, Oreg. Method and apparatus for packing flake materials. 2,567,052, Sept. 4.

Carter, Bernard M., Montclair, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Heat exchange apparatus. 2,566,928, Sept. 4.

Carter Carburetor Corporation, assignee: *See*—
Coffey, Irven E.
Edelen, James L.

Cass, George J., Kansas City, Mo. Power failure alarm. 2,566,597, Sept. 4.

Castner, John F., Hammond, La. Surface supported device for gripping a receptacle and removing the closure and having a single operator. 2,566,598, Sept. 4.

Catanach, Arthur E., and R. P. Gulley, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Breaking water and oil emulsions. 2,566,979, Sept. 4.

Catanach, Arthur E., and R. P. Gulley, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Breaking water and oil emulsions. 2,566,980, Sept. 4.

Caterpillar Tractor Co., assignee: *See*—
Riegel, Glen C., and Wright.
Zuhn, Arthur A.

Cates, Lillian D., Los Angeles, Calif. Sound conducting tube for hearing aids. 2,566,313, Sept. 4.

Catravas, Spiro J., Cottesloe, Johannesburg, Transvaal, Union of South Africa. Artificial horizon having gyroscope control means. 2,567,053, Sept. 4.

Celanese Corporation of America, assignee: *See*—
Crummett, Alan, and Mellor.
Steiding, John B., and Sutherland.

Chaban, Charles J., assignor to Stabelan Chemical Company, Toledo, Ohio. Stabilization of polymerized chlorosubstituted ethylenes. 2,566,791, Sept. 4.

Chance, A. B., Company, assignee: *See*—
Armstrong, James G.
Hoadley, Herbert E.

Chandler, Edward F., Brooklyn, N. Y. Oil feeding device for oil burners. 2,566,692, Sept. 4.

Charlebois, Aurele, Windsor, Ontario, Canada. Pile cutting reciprocating-saw machine. 2,566,297, Sept. 4.

Chase, Arthur J., Los Angeles, Calif. Pipe organ. 2,566,599, Sept. 4.

Chemical Manufacturing Company, assignee: *See*—
Montgomerie, John A.

Cherry, William H., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,566,695, Sept. 4.

Chieftain Industries, Inc., assignee: *See*—
Harrison, William.

Chillson, Charles W., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Alternator control. 2,566,694, Sept. 4.

Christensen Machine Company, The, assignee: *See*—
Belluche, Frank R.

Christenson, Arthur L., Alexandria, Va., and C. E. Jackson, Niagara Falls, N. Y. Temperature indicating apparatus. 2,566,314, Sept. 4.

Christofoli, Pietro J., United States Navy, and W. O. Bennett, Roscoe, Tex. Axially collapsing type, hydraulically operated tire bead breaking machine. 2,566,315, Sept. 4.

Chrysler Corporation, assignee: *See*—
Barker, John C.
Butterfield, John P.
Cousino, Walter P.
Dunn, William T.
Hunter, William A.
Jackson, Clifford C., and Smith.
Wallace, David A.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Meystre, Charles, Plattner, and Wettstein.

Clapp, Charles W., Scotia, N. Y., assignor to General Electric Company. Low-distortion oscillator. 2,566,981, Sept. 4.

Clark, Alfred: *See*—
Mayland, Bertrand J., and Clark.

Clark, James M., Hinsdale, and W. H. Counts, La Grange, assignors to Motorola, Inc., Chicago, Ill. High-frequency tuner. 2,566,759, Sept. 4.

Clary Multiplier Corporation, assignee: *See*—
Boyden, Robert E.

Cleghorn, Thomas J.: *See*—
Clement, Homer A., and Cleghorn.

Clemens, Harold S., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing embossed vinyl resin film. 2,566,982, Sept. 4.

Clement, Homer A., Chelmsford, and T. J. Cleghorn, Lowell, Mass. Ice-cream cone carrier and carrier support. 2,567,054, Sept. 4.

Cleveland-Detroit Corporation, assignee: *See*—
Waite, Charles C.

Cline, Truman H., Newark, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill. Warming oven. 2,566,553, Sept. 4.

Cochran, Roy L.: *See*—
Worsham, Irvin L.

Coffey, Irven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Pump diaphragm assembly. 2,567,055, Sept. 4.

Cohen, Norman M., New York, N. Y. Woven fabric. 2,566,482, Sept. 4.

Cole, John W.: *See*—
Julian, Percy L., Meyer, Cole, and Magnani.

Coleman, Gerald H., and P. A. Wolf, assignors to The Dow Chemical Company, Midland, Mich. Fungistatic wrapper. 2,567,010, Sept. 4.

Collins, Wilfrid G., London, England. Dolly and like transporting device. 2,566,718, Sept. 4.

Collison, Arlene B.: *See*—
Collison, William J. and A. B.

Collison, William J. and A. B., Costa Mesa, Calif. Double tap T soil-pipe fitting. 2,566,654, Sept. 4.

Colon, Amado B., Arecibo, Puerto Rico. Hair treating apparatus. 2,566,600, Sept. 4.

Coltrane, Preston R., Jacksonville, Fla. Mechanically operated baby glider. 2,566,983, Sept. 4.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Fisher, John R.

Compagnie des Freins et Signaux Westinghouse, assignee: *See*—
Laze, Pierre.

Compton, Wallace W., Madisonville, Ky., and P. A. Cooper, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Thermostatic control. 2,566,655, Sept. 4.

Contina Bureaux- und Rechenmaschinenfabrik Aktiengesellschaft, assignee: *See*—
Herzstark, Curt.

Continental Can Company, Inc., assignee: *See*—
Hook, George C.

Continental Decalcomania Company, assignee: *See*—
Black, James A., and Stouten.

Cook, Eugene B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vibrator. 2,566,316, Sept. 4.

Cook, Jerome E., Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn. Fabric cutter. 2,567,102, Sept. 4.

Cooper, Hal B. H., Bound Brook, and C. E. Mensing, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Manufacture of mercaptosenzothiazole. 2,567,146, Sept. 4.

Cooper, Philip A.: *See*—
Compton, Wallace W., and Cooper.

Corbett, Gerald M.: *See*—
Pelton, Earl L., Wiggins, and Corbett.

Cordrey, William R., Toledo, Ohio. Window construction. 2,566,554, Sept. 4.

Cormier, Joseph A.: *See*—
Cormier, Louis A. and J. A.

Cormier, Louis A. and J. A., Southbridge, Mass., assignors to Hemmel, Riglander & Co., Inc., New York, N. Y. Tool for contracting hollow watch parts. 2,566,695, Sept. 4.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Cory Corporation, assignee: *See*—
Peters, Herbert W.

Coulter, Hugh A., assignor to H. S. Scarth and W. H. McKinnon, Winnipeg, Manitoba, Canada. Grain car door. 2,566,483, Sept. 4.

Coulter, Samuel T., St. Paul, and J. L. Becker, Stillwater, Minn., assignors to Maple Island, Inc. Apparatus for reconstituting dried powders. 2,566,555, Sept. 4.

Coumerilh, John W. and L., Mullan, Idaho, assignors of one-half to C. B. Sands, Los Angeles, Calif. Steam-heated ironing board. 2,567,056, Sept. 4.

Coumerilh, Lee: *See*—
Coumerilh, John W. and L.

Counts, William H.: *See*—
Clark, James M., and Counts.

Courtaulds Limited, assignee: *See*—
Carpenter, Albert S., and Wilson.

Coury, Louis G., Passaic, N. J. Vibrator machine. 2,566,484, Sept. 4.

Cousino, Walter P., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Lubricating mechanism for injection molding apparatus. 2,567,147, Sept. 4.

Cousins, Richard J. W., Shoreham-by-Sea, assignor to Fell Developments Limited, London, England. Differential transmission gearing. 2,566,601, Sept. 4.

Crane Co., assignee: *See*—
Osterhage, Otto C.
Schmidt, Edward G.
Setka, Raymond P.

Crane, H. W., Company, assignee: *See*—
Sauter, Alfred H.

Cresswell Roll Forming Company Limited, assignee: *See*—
Millier, William R.

Critchley, William C., and H. A. Male, Brighton, assignors to Gleason Works, Rochester, N. Y. Gear grinding machine. 2,566,402, Sept. 4.

Crompton & Knowles Loom Works, assignee: *See*—
Krukonis, Alexander C.

Crotts, Andrew P., Marlow, Okla. Safety lock for vehicle brake cylinders. 2,566,874, Sept. 4.

Crummett, Alan, Leeds, and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Carbonization of cellulose acetate fibers with gaseous HCl and swelling agent to separate from wool fibers. 2,566,403, Sept. 4.

Crump, Elmo E., West Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tuning control for thermally tuned devices or oscillators. 2,566,825, Sept. 4.

Crumrine, Chester W., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Paper ball mechanism for typewriters. 2,566,930, Sept. 4.

Crumrine, Kenneth C., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Chemical analysis using neutrons. 2,567,057, Sept. 4.

Cunningham, Arthur R., Detroit, Mich. Dump vehicle construction. 2,566,556, Sept. 4.

Cunningham, James M., and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record card punching machine. 2,566,931, Sept. 4.

Cunningham, James M.: *See*—
Brand, Samuel, and Cunningham.

Curlett, Inc., assignee: *See*—
Stewart, Robert G.

Curtiss-Wright Corporation, assignee: *See*—
Chillson, Charles W.
Cushman, Maurice E.
Griese, Elmer G.
Mergen, Joseph M., and Tiedeman.
Roberts, Edward Y.

Cushman, Maurice E., Verona, N. J., assignor to Curtiss-Wright Corporation. Roller track mounting of a variable pitch propeller. 2,566,696, Sept. 4.

Cuvillier, Roger H. R., assignor to Société d'Optique & de Mecanique de Haute Precision, Paris, France. Auxiliary optical device with variable magnifying power. 2,566,485, Sept. 4.

Daka, Inc., assignee: *See*—
Kammins, Herman D.

Dalin, David, Stenkullen, Ronninge, and H. J. U. Wängsjö, Lidingo, assignors to A/B Svenska Maskinverken, Sodertalje, Sweden. Making an extended surface heat exchange device or similar composite article. 2,566,318, Sept. 4.

Dalin, David, Ronninge, and C. J. Gejrot, Orebro, Sweden; said Gejrot assignor to said Dalin. Apparatus for sequentially degassing and combusting solid fuel having a low sintering temperature. 2,567,058, Sept. 4.

Danforth, Joseph D., Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill. Drying oil composition. 2,566,515, Sept. 4.

Danielson, Clifford E., Fargo, N. K. Breath deflector. 2,566,557, Sept. 4.

Dannenberg, Hans, Berkeley, assignor to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated ketones. 2,566,792, Sept. 4.

Daon, Rene, East Norwalk, assignor to Yankee Metal Products Corporation, Norwalk, Conn. Vehicle directional signal lamp. 2,566,404, Sept. 4.

Davies, Raymond G., Teddington, and R. W. Noad, New Malden, England, assignors to Shell Development Company, San Francisco, Calif. Grease compositions. 2,566,793, Sept. 4.

Davies, Thomas E., Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Machine for facing tapered workshop elements of varying tapers and widths. 2,566,697, Sept. 4.

Davis, Luther C., Thomaston, Ga. Foldable toilet brush. 2,566,442, Sept. 4.

Davis, Roger H., St. Paul, Minn. Shoe clamping device. 2,566,656, Sept. 4.

Day, James R., Peconic, N. Y. Sawtooth frequency modulator. 2,566,826, Sept. 4.

Dayger, Jonas E., Binghamton, and E. M. Hollis, Owego, assignors to International Business Machines Corporation, New York, N. Y. Paper feeding mechanism. 2,566,932, Sept. 4.

Deacon, Walter K., United States Navy. Ram jet fuel metering unit. 2,566,319, Sept. 4.

Dean, Walter N., Larchmont, and L. P. Mautner, Bronx, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Pulse lengthening circuit. 2,566,827, Sept. 4.

De Back, William, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Sludge and condensate discharge for steam peelers. 2,567,103, Sept. 4.

Debing, Lawrence M., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aluminum articles coated with heat-sealable composition. 2,566,794, Sept. 4.

Deeble, Roy E., Long Beach, Calif. Extensible fishing net. 2,567,059, Sept. 4.

De Hart, Edward S.: *See*—
Errig, William F., and De Hart.

De Laney, Sidney R., Rutherford, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Ceramically bonded diamond abrasive products. 2,566,828, Sept. 4.

De Lange, Owen E., East Orange, and W. M. Goodall, Oakhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation. 2,566,405, Sept. 4.

Delevan Manufacturing Company, assignee: *See*—
Olson, Eugene O.

Derby, Elmer R., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Plastic marking composition. 2,566,516, Sept. 4.

De Roo, William C., assignor to Hart & Cooley Manufacturing Company, Holland, Mich. Furnace register frame. 2,566,558, Sept. 4.

De Roque, Harold E., Chicago, Ill. Jet device for feeding air, steam, and chemicals to boiler furnaces. 2,566,320, Sept. 4.

De Simo, Martin, assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Explosive composition. 2,566,602, Sept. 4.

Deville, René S.: *See*—
Bauchesne, Paul, and Deville.

De Vries, Willem C., assignor to Staatsbedrijf Der Posterijen, Telegrafie En Telefonie, The Hague, Netherlands. Telephone signaling device. 2,567,148, Sept. 4.

Dick, James E., Alamosa, Colo. Fish basket. 2,566,719, Sept. 4.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Electronic counter. 2,566,933, Sept. 4.

Dicks, Byron R., Lebanon, Ind. Soft face hammer. 2,566,517, Sept. 4.

Diesslin, Albert R., and E. A. Kauck, St. Paul, Minn., and J. H. Simons, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon acids and derivatives. 2,567,011, Sept. 4.

Dieterich, Richard E., River Forest, Ill. Combined vehicle windshield shade and traffic signal finder. 2,566,934, Sept. 4.

Dietrich, Cornelius F., and H. J. Smith, assignors to Optical Measuring Tools Limited, Slough, England. Optical scale reading device for rotatable dividing tables. 2,566,875, Sept. 4.

Di Fonzo, Antonio, Chicago, Ill. Automobile luggage carrier and table. 2,567,104, Sept. 4.

Dillon, Lyle: *See*—
Forsyth, Valoris L., and Dillon.

Dissinger, George I., Davis, Calif. Slide switch. 2,566,720, Sept. 4.

Distillers Company, Limited, The, assignee: *See*—
Highet, Hugh C., and Salt.
Hutchinson, Henry M., and Staudinger.

Docal, Gonzalo C., Habana, Cuba, assignor to Sugar Research Foundation, Inc., New York, N. Y. Sugar separation. 2,567,060, Sept. 4.

Dolnick, Arthur A., and M. Potash, assignors to Publicker Industries Inc., Philadelphia, Pa. Preparation of acetals. 2,566,559, Sept. 4.

Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Phase shift system. 2,566,876, Sept. 4.

Donelan, James A., West Harrow, assignor to The General Electric Company, Limited, London, England. Combined pressure welding and arc welding method. 2,567,012, Sept. 4.

Dorusak, George J., Croydon, Pa. Tie knot form. 2,566,760, Sept. 4.

Dougherty, Russell, Blyth, Ontario, Canada. Seed feeding disk with ejector brush. 2,566,406, Sept. 4.

Douglas Aircraft Company, Inc., assignee: *See*—
Moreton, Douglas H.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and Slagh.
Coleman, Gerald H., and Wolf.
Pelton, Earl L., Wiggins, and Corbett.
Scovic, James M.

Dow Corning Corporation, assignee: *See*—
Speier, John L.

Draper Corporation, assignee: *See*—
Brown, Carl D., and Repass.
Fiset, Alphonse J., and Brown.
Nichols, Edward C.

Dreisbach, Robert H., assignor to The Magnavox Company, Fort Wayne, Ind. Crystal pickup. 2,567,105, Sept. 4.

Dresser Industries, Inc., assignee: *See*—
Risley, Roger E., and Scharf.

Dubilier, William, New Rochelle, N. Y. Hearing aid. 2,566,761, Sept. 4.

Dunbar, James R., Vancouver, British Columbia, Canada. Rotary disk wood chipper. 2,566,721, Sept. 4.

Dunlop Rubber Company Limited, assignee: *See*—
Davies, Thomas E.
Trevaskis, Henry.

Dunn, William T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission control. 2,567,061, Sept. 4.

Dunton, Elmarion S., Woodland, Calif. Brush holder. 2,566,877, Sept. 4.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Clemens, Harold S., and Thomas.
Hochberg, Seymore.
Howard, Edward G.
Mochel, Walter E.
Sanders, Philip F.
Schroeder, Herman E.
Smith, Francis H.
Stilmar, Frederic B.
Sturgis, Bernard M., and Baum.

Dykes, Paul D., Cambridge, assignor to The Motor Industry Research Association, Brentford, England. Piston ring. 2,566,603, Sept. 4.

Eastman Kodak Company, assignee: *See*—
Allen, Charles F. H., and Van Allan.

Eaves, William C., Elyria, Ohio. Electrodynamic loudspeaker assembly. 2,566,604, Sept. 4.

Eckert, John E.: *See*—
Sendzimir, Tadeusz, and Eckert.

Edelberg, Benjamin, Chicago, Ill. Permanent match. 2,566,560, Sept. 4.

Edelberg, Vladimir, Tunis, Tunisia. Screwing and unscrewing tongs, particularly for drilling pipe joints. 2,566,561, Sept. 4.

Edelen, James L., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Filter bowl construction. 2,567,062, Sept. 4.

Egger, Emile, Cressier, Switzerland. Rotor wheel for centrifugal pumps. 2,566,795, Sept. 4.

Elsele, Andrew, Detroit, Mich. Sealed measuring head for bore gauges. 2,566,321, Sept. 4.

Ekornaas, Hilmar E., Kenosha, Wis. Radiator grill shield for motor vehicles. 2,566,605, Sept. 4.

Electric Products Company, The, assignee: *See*—
Seeler, Alvah I.

Ellis-Foster Company, assignee: *See*—
MacKenzie, Charles A.

Elmqvist, Rune, Bromma, Sweden. Measuring instrument of the recording type. 2,566,443, Sept. 4.

Emerson Electric Manufacturing Company, The, assignee: *See*—
Lindberg, Caryl A.

Engel, Edward G.: *See*—
Burns, James A., and Engel.

English, Robert E., assignor to Motorola, Inc., Chicago, Ill. Reactance tube control for sawtooth generators. 2,566,762, Sept. 4.

Epps, Rodney W.: *See*—
Rose, Edward M., and Epps.

Epstein, Herman, Newark, N. J. Hand weaving device. 2,566,607, Sept. 4.

Erhardt, John E., Jr., Baltimore, Md. Treating roll mounting and roll drive. 2,566,796, Sept. 4.

Errig, William F., Jenkintown, Pa., and E. S. De Hart, Collingswood, N. J.; said De Hart assignor to said Errig. Apparatus for incising tires. 2,567,149, Sept. 4.

Evans, James S., San Marino, Calif. Foldable tire diameter gauge. 2,566,407, Sept. 4.

Even-Pul Foundations, Inc., assignee: *See*—
Morano, Patrick J.

Everel Propeller Corporation, assignee: *See*—
Hackenthal, Paul, and Karey.

Fahrenkrog, Henry D.: *See*—
Fahrenkrog, Herman and H. D.

Fahrenkrog, Herman, near Walcott, and H. D. Fahrenkrog, Davenport, Iowa. Shield or guard for blower nozzles. 2,566,878, Sept. 4.

Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Automatic transmission. 2,566,518, Sept. 4.

Farkas, Eugene J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Automatic transmission. 2,566,519, Sept. 4.

Farkas, Pierre, Paris, France. Expanding brake operator. 2,566,879, Sept. 4.

Farnham, Paul O., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. High-frequency oscillator. 2,566,606, Sept. 4.

Federal Telephone and Radio Corporation, assignee: *See*—
Brode, George E.
Horwitz, Henry L.

Feinberg, Charles E., Detroit, Mich. Multiple gas burner for furnaces. 2,567,013, Sept. 4.

Fell Developments Limited, assignee: *See*—
Cobsitte, Richard J. W.

Fine, Harold D., Marblehead, and C. E. Barker, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Fixture for tubular electric lamps. 2,567,014, Sept. 4.

Firth, Francis G., New York, N. Y. Magnetostrictive device. 2,566,984, Sept. 4.

Fiset, Alphonse J., Worcester, and C. D. Brown, assignors to Draper Corporation, Hopedale, Mass. Automatic battery for looms. 2,566,880, Sept. 4.

Fisher, John R., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Treating oils. 2,567,109, Sept. 4.

Fitterling, Cecil H., South Bend, assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Making closure flap structures. 2,566,520, Sept. 4.

Fletcher Trust Company, executor: *See*—
Starkey, William C.

Flowers, Henry F., Findlay, Ohio. Wheel mounting for axleless trucks. 2,566,322.

Flowers, Henry F., Findlay, Ohio. Wheel mounting for axleless trucks. 2,566,881, Sept. 4.

Folker, Herbert P., Oakland, assignor to National Safety Appliance Co., Ltd., San Francisco, Calif. Pneumatic train control valve. 2,566,444, Sept. 4.

Folmsbee, Clyde H., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Tank cradle mounting. 2,567,015, Sept. 4.

Food Machinery and Chemical Corporation, assignee: *See*—
Berrar, Karl L.
De Back, William.

Ford Motor Company, assignee: *See*—
Farkas, Eugene J.
Holland, Robert H., and Stephenson.

Forsyth, Valoris L., Los Angeles, and L. Dillon, San Gabriel, assignors to Lane-Wells Company, Los Angeles, Calif. Bridging plug setting tool. 2,566,323, Sept. 4.

Foster, Grant, Co., Inc., assignee: *See*—
Derby, Elmer R.

Fox, Harold C., Dallas, Tex. Supporting device. 2,567,093, Sept. 4.

France, Lloyd V., Platteville, Wis. Propolis culture. 2,566,829, Sept. 4.

Frazier, Larry C., assignor to National-Standard Company, Niles, Mich. Making tires. 2,567,064, Sept. 4.

Frazier, Larry C., Niles, Mich, and F. J. Shook, Akron, Ohio, assignors to National-Standard Company, Niles, Mich. Applicator for tire building or other machines. 2,567,150, Sept. 4.

Fredendall, Gordon L., Feasterville, Pa. assignor to Radio Corporation of America. Modulation distortion correction. 2,566,698, Sept. 4.

Fredrick, Arden H.: *See*—
Paine, George R., Fredrick, and Gaertner.

Freed, Carole W., assignee: *See*—
Lilly, Elizabeth S.

Frei, Albert, Zurich, Switzerland. Device for dividing coins into groups and for packing such groups. 2,566,935, Sept. 4.

Frese, Carl W., New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Discharge device for fluids. 2,566,324, Sept. 4.

Friden Calculating Machine Co., Inc., assignee: *See*—, Renholts, Roy J.

Friedberg, Leonard, New York, N. Y. Cosmetic stick and the like. 2,566,722, Sept. 4.

Frommer, Joseph C., Cincinnati, Ohio. Cathode-ray tube bridge unbalance detector. 2,566,699, Sept. 4.

Fry, Douglas J., assignor to Ilford Limited, Ilford, England. Silver halide emulsions containing antifogging agents. 2,566,658, Sept. 4.

Fry, Douglas J., assignor to Ilford Limited, Ilford, England. Silver halide emulsions containing antifogging agents. 2,566,659, Sept. 4.

Furman, Frank J.: *See*—
Mills, Albert W., Furman, and Read.

Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Synchronizing signal separator and keyed automatic gain control. 2,566,763, Sept. 4.

Fyler, George W., Lombard, and G. J. Heisig, assignors to Motorola, Inc., Chicago, Ill. Circuit for shifting alternate fields of television rasters. 2,566,764, Sept. 4.

Gaertner, Charles K.: *See*—
Paine, George R., Fredrick, and Gaertner.

Ganz, Henry, West Englewood, N. J., assignor to Personal Products Corporation. Sanitary products. 2,566,325, Sept. 4.

Gardner, John H., Wilson Borough, and J. R. Stevens, Easton, Pa., assignors to J. T. Baker Chemical Co., Phillipsburg, N. J. 8-hydroxy-1-methyl-1,2,3,4-tetrahydroquinoline dimethyl urethanes. 2,566,723, Sept. 4.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Preparing synthesis gases. 2,566,936, Sept. 4.

Gartin, Elmer G., Claremont, N. H., assignor to Joy Manufacturing Company. Pressure fluid motor. 2,566,378, Sept. 4.

Gawlik, John W., Bethlehem, Pa. Hinge. 2,566,486, Sept. 4.

Gay, Frazer, W.: *See*—
Huse, Raymond A., and Gay.

Gee, Norman E., Narberth, Pa. Resilient drive unit. 2,566,985, Sept. 4.

Geiger, Edward F.: *See*—
Johnson, Reynold B., and Geiger.

Geiser, Walter, Olten, Switzerland. Miniature rifle range. 2,566,607, Sept. 4.

Gejrot, Claes J.: *See*—
Dalin, David, and Gejrot.

General American Transportation Corporation, assignee: *See*—
Kolb, John P.

General Aniline & Film Corporation, assignee: *See*—
Von Glahn, William H., and Stanley.

General Bronze Corporation, assignee: *See*—
Segal, Arthur.

General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Clapp, Charles W.
Dome, Robert B.
Goldman, Stanford.
Jacobs, Stephen.
Lichtenfels, Ira W., and Moore.
Kalb, John W.
McArthur, Elmer D.
Michael, Frank L.
Palmer, John H.
Robertson, Alastair.
Ruscetta, Ralph A.
Scott, Benjamin B.
Stotenbur, Ralph H.
Worst, Joseph C.
Young, Allan M.

General Electric Company, Limited, The, assignee: *See*—
Donelan, James A.

General Precision Laboratory Incorporated, assignee: *See*—
Paine, George R., Fredrick, and Gaertner.

Georgian, Michael T., Detroit, Mich. Apparatus for grinding and refinishing crankpins. 2,566,660, Sept. 4.

Gessler, Albert M., Cranford, and A. F. Sayko, Elisabeth, N. J., assignors to Standard Oil Development Company. Hydrocarbon rubber plasticised with a polyvinyl compound. 2,567,016, Sept. 4.

Geuder, Paeschke & Frey Co., assignee: *See*—
Voigt, Herbert L.

Gevaert Photo-Producten N. V., assignee: *See*—
Van Dormael, André E., and Van Der Auwera.

Gifford, Emerson W., Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y. Sorting machine. 2,566,937, Sept. 4.

Gilbert, Samuel, Cedar Grove, N. J., and F. H. Miller, Narberth, Pa., assignors to Bendix Aviation Corporation, Teterboro, N. J. Direct cranking engine starter. 2,566,445, Sept. 4.

Gille Hugo E.: *See*—
Berggren, Lloyd E., Gille, and Smith.

Gillespie, Dwight E., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Paper receptacle. 2,567,017, Sept. 4.

Gindoff, Max: *See*—
Huber, William A., and Gindoff.

Ginsterblum, Kenneth, Osage, Iowa. Wheel chair steering and drive control. 2,567,065, Sept. 4.

Gleason Works, assignee: *See*—
Critchley, William C., and Male.

Glidden Company, The, assignee: *See*—
Julian, Percy L., Meyer, Cole, and Magnani.
Klinker, Louis G.

Globe-Union Inc., assignee: *See*—
Khouri, Alfred S., and Wolff.

Gmeiner, Harry H., executor: *See*—
Minor, Charles G.

Gobeil, Olivier, Chicoutimi, Quebec, Canada. Automatic cutting depth regulator for ploughs. 2,567,107, Sept. 4.

Goldberg, Edward, M. A., and J., New York, N. Y. Mop and brush cleaning device. 2,566,408, Sept. 4.

Goldberg, Jack: *See*—
Goldberg, Edward, M. A., and J.

Goldberg, Max A.: *See*—
Goldberg, Edward, M. A., and J.

Goldman, Irving A., Alexandria, Va. Robot controlled limb. 2,567,066, Sept. 4.

Goldman, Stanford, Fairfield, Conn., assignor to General Electric Company. Communication system. 2,566,882, Sept. 4.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Stereoscopic and stereosonic television system. 2,566,700, Sept. 4.

Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Cabinet for television receivers. 2,566,830, Sept. 4.

Goldstein, Emanuel: *See*—
La Fiamme, Alderic W., and Goldstein.

Gollbach, Joseph, Sacramento, Calif. Cleaner. 2,566,608, Sept. 4.

Gomer, Otis L., Marquette, Kans. Feeding device. 2,566,446, Sept. 4.

Goodall, William M.: *See*—
De Lange, Owen E., and Goodall.

Goodrich, B. F., Company, The, assignee: *See*—
Brown, Harold P., and Houston.
Heesney, George C., and Martindale.
Hollerith, Charles.
Tilton, Joseph M., Jr.

Gora, John, and J. D. Scarbrough, assignors to All-Metal Products Company, Wyandotte, Mich. Water pistol. 2,566,487, Sept. 4.

Gould, Byron C., assignor to The Murray Corporation of America, Detroit, Mich. Combined fabric washing and drying unit. 2,566,488, Sept. 4.

Goulds Pumps, Inc., assignee: *See*—
Mann, John.

Gove, Herman J., Curundu, Canal Zone. Paper roll holder. 2,566,883, Sept. 4.

Graham, Clarence R., Palo Alto, assignor to James Graham Manufacturing Co., Newark, Calif. Range shelf with self-latching safety catch. 2,566,765, Sept. 4.

Graham, James, Manufacturing Co., assignee: *See*—
Graham, Clarence R.

Grater, Edward V., Bronx, assignor to Affiliated Machine & Tool Co., New York, N. Y. Device for handling sheet material. 2,566,489, Sept. 4.

Great American Industries, Incorporated, assignee: *See*—
Keinath, George, and Heilmann.

Great Lakes Carbon Corporation, assignee: *See*—
De Simo, Martin.

Green, Arthur D., E. O. Ohsol, and A. R. Kittleson, Cranford, N. J., assignors to Standard Oil Development Company. Purification of tetrahydrophthalimides. 2,566,986, Sept. 4.

Green, Freddie C., Altoona, Ala. Valve for air bags. 2,566,766, Sept. 4.

Greene, Leonard M., Scarsdale, assignor to Safe Flight Instrument Corp., White Plains, N. Y. Vibratory aircraft alarm of the rotary eccentric weight type. 2,566,409, Sept. 4.

Gregory, Morton, Corporation, assignee: *See*—
Murdock, Robert W.

Griese, Elmer G., Caldwell, N. J., assignor to Curtiss-Wright Corporation. Reinforcement for filled hollow steel blades. 2,566,701, Sept. 4.

Griffin, William C., Newport, Del. Equal arm balance. 2,567,161, Sept. 4.

Griffin, William C., West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Solid essential oil concentrate and preparing the same. 2,566,410, Sept. 4.

Gripp, Robert R.: *See*—
Callahan, Randall B., and Gripp.

Griswold, James H., Redondo Beach, Calif. Tide power generator. 2,566,447, Sept. 4.

Grob, Oskar, assignor to Zellweger A. G. Apparate-und Maschinenfabriken Uster, Uster, Switzerland. Electrical remote control system. 2,567,018, Sept. 4.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Electronic counter. 2,566,831, Sept. 4.

Gross, A. Edward, assignee: *See*—
Wheeler, Henry F.

Grosse, Rudolph, Jacksonville, Fla. Hydraulic safety valve. 2,566,609, Sept. 4.

Grundmann, Gustave L., Westmont, N. J., assignor to Radio Corporation of America. Synchronising circuit. 2,566,832, Sept. 4.

Grupp, Alfred F., Glen Ellyn, H. C. Rathke, and E. S. Talan, Chicago, Ill., and E. Watts, Mission, Kans., assignors to The Meyercord Co., Chicago, Ill. Pressure sensitive decalcomania and making the same. 2,567,067, Sept. 4.

Guilbert, Nicholas R., Jr., Chestnut Hill, Pa. Biparting elevator door interlock. 2,566,411, Sept. 4.

Guillemin, Victor, Jr., Dayton, Ohio. Strain gauge manometer. 2,566,326, Sept. 4.

Gulf Oil Corporation, assignee: *See*—
Catanach, Arthur E., and Gulley.

Gulley, Ralph P.: *See*—
Catanach, Arthur E., and Gulley.

Hackethal, Paul F., Wentworth, N. H., and R. Karey, Cockeysville, assignors to Everel Propeller Corporation, Baltimore, Md. Preloaded pivot mount for variable pitch propeller blades. 2,566,884, Sept. 4.

Haensel, Vladimir, Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Alumina-platinum oxysulfide-halogen catalyst and its preparation. 2,566,521, Sept. 4.

Hale, Olga M., Wateria, Calif. Scraper and backfilling blade attachment for tractors. 2,566,562, Sept. 4.

Hall Laboratories, Inc., assignee: *See*—
Munter, Casimir J.

Hallett, John L.: *See*—
Bedford, Clay P., Hammond, and Hallett.

Hallock, Robert F., Hillside, Md. Dehumidifier system. 2,566,327, Sept. 4.

Halmer, Otto, Los Angeles, Calif. Camera mounting or dolly. 2,567,068, Sept. 4.

Hamlin, Frederic T., Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Power-operated impact wrench. 2,566,661, Sept. 4.

Hammond, Dean B.: *See*—
Bedford, Clay P., Hammond, and Hallett.

Handley, John, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland. Aggregating and displaying device, particularly applicable to totalisators. 2,566,610, Sept. 4.

Hannes, Wilbert H., Willow Grove, assignor to Roxy Lawnshear Corporation, Elkins Park, Pa. Machine for forming lawn mower blades. 2,566,412, Sept. 4.

Harley, Frank B., assignor to Aerolex Limited, Camberley, England. Detachable connector. 2,567,069, Sept. 4.

Harrigan, William, Rutherford, N. J., assignor to Chieftain Industries, Inc., New York, N. Y. Grease pump with high-pressure pulsating means. 2,566,702, Sept. 4.

Hart & Cooley Manufacturing Company, assignee: *See*—
De Roo, William C.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Van Urk, Arend T.

Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Cylindrical valve. 2,566,885, Sept. 4.

Hartman, Bernhardt, Long Beach, Calif. Portable conduit-gripping tool. 2,566,413, Sept. 4.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Resilient fastening device for objects in adjustable axial relationship. 2,566,886, Sept. 4.

Hartough, Howard D., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition containing an alkyl thienyl ketimine. 2,566,611, Sept. 4.

Hartung, Chester P., Ceylon, assignor to E. A. Hartung, Walnut Grove, Minn. Dry wall construction. 2,566,563, Sept. 4.

Hartung, Ervin A., assignee: *See*—
Hartung, Chester P.

Healy, James J., New York, N. Y. Hose for irrigating purposes. 2,566,833, Sept. 4.

Hearne, Oliver K., Jacksonville, Fla. Fishing float. 2,566,612, Sept. 4.

Heidner, Richard C., Hartford, assignor to West Bend Aluminum Co., West Bend, Wis. Manually operated starting device for outboard motors. 2,566,834, Sept. 4.

Heil, John P., Melrose Park, Ill. Combination lawn mower and snowplow. 2,566,724, Sept. 4.

Hein, Carl C.: *See*—
Weil, Richard H., and Hein.

Heintz, James C., Lakewood, Ohio. Repair mold. 2,566,797, Sept. 4.

Heintz, Ralph M., Cleveland, and W. T. Buhl, Shaker Heights, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Antifriction bearing assembly sealing means. 2,566,448, Sept. 4.

Heins, Bernard, Scranton, Pa. Luminous attachment for door knobs. 2,566,490, Sept. 4.

Heisig, Garth J.: *See*—
Fyler, George W., and Heisig.
Hellmann, Reinhard K.: *See*—
Keinath, George, and Hellmann.
Helsten, Wesley A.: *See*—
Tack, Carl E., and Helsten.
Hemmel, Riglander & Co., Inc., assignee: *See*—
Cormier, Louis A. and J. A.
Henley, Robert H., assignee: *See*—
Pennington, Neal A.
Henry, Wesley J., Los Angeles, Calif. Forming orthodentic arches. 2,566,414, Sept. 4.
Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Aromatic recovery process. 2,566,613, Sept. 4.
Herzstark, Curt, assignor to Contina Bureaux -und Rechenmaschinenfabrik Aktiengesellschaft, Mauren, Liechtenstein. Locking device. 2,566,835, Sept. 4.
Hessney, George C., and J. W. Martindale, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,566,328, Sept. 4.
Hessney, George C., Akron, and J. W. Martindale, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire casing or similar laminated article. 2,566,329, Sept. 4.
Hewitt, Donald H.: *See*—
Wakeford, Leslie E., and Hewitt.
Hewlett-Packard Company, assignee: *See*—
Zeldner, Howard M.
Hexlep, Herbert, Jr., Pasadena, Calif. Sliding door hanger device. 2,566,522, Sept. 4.
Highet, Hugh C., and F. E. Salt, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of isophorone and homoisophorones. 2,566,564, Sept. 4.
Hill, Raymond A., San Marino, Calif. Sand separator. 2,566,662, Sept. 4.
Hill, Stanley E., Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Vehicle steering knuckle mechanism for effecting sharp turns. 2,566,565, Sept. 4.
Hiller, Joseph L., Mattapoisett, Mass. Self-sharpening cutter tip for beater arms of hammer mills. 2,566,798, Sept. 4.
Hills, Elmer G., assignor to Belmont Radio Corporation, Chicago, Ill. Antenna construction. 2,566,491, Sept. 4.
Hirsh, Donald H.: *See*—
Hoaglin, Raymond I., and Hirsh.
Hjärtsäter, Jacob J., Nygard Station, near Gjovik, Norway. Sound absorbing fibrous material for covering the walls or ceilings of rooms. 2,567,070, Sept. 4.
Hoadley, Herbert E., Joplin, assignor to A. B. Chance Company, Centralia, Mo. U-bolt connector. 2,566,725, Sept. 4.
Hoaglin, Raymond I., South Charleston, and D. H. Hirsh, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Making unsaturated ethers. 2,566,415, Sept. 4.
Hoar, Roger S., assignee: *See*—
Pennington, Neal A.
Hochberg, Seymore, Upper Darby, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Unsubstituted ethylene polymer coating compositions. 2,567,108, Sept. 4.
Hofler, Jamie G., Copenhagen, Denmark. Alarm switch for locks. 2,566,836, Sept. 4.
Holland, Robert H., and T. W. Stephenson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Sun visor. 2,566,523, Sept. 4.
Hollar, John V., assignor to The La Resista Corset Company, Bridgeport, Conn. Shoulder strap for undergarments. 2,566,416, Sept. 4.
Holleritt, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Forged wheel. 2,566,663, Sept. 4.
Hollis, Edwin M.: *See*—
Dayger, Jonas E., and Hollis.
Holm, Roy F., St. Paul, assignor to Standard Conveyor Company, North St. Paul, Minn. Conveyer switch. 2,566,517, Sept. 4.
Holt, George A., Shoreham-by-Sea, and K. Brook, Eastcote, assignors, by mesne assignments, to Ricardo & Co. Engineers (1927) Limited, London, England. Fuel spray producing nozzle. 2,566,888, Sept. 4.
Hook, George C., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Corrosion inhibitor. 2,566,887, Sept. 4.
Hoover Company, The, assignee: *See*—
Buss, John W.
Weiland, Edward A.
Hopkins, Harold H., assignor to W. Watson & Sons Limited, London, England. Variable magnification optical system. 2,566,889, Sept. 4.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Rectifier roll. 2,566,449, Sept. 4.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Flow evener. 2,566,450, Sept. 4.
Hornbostel, Lloyd, assignor to Beloit Iron Works, Beloit, Wis. Diaphragm unit. 2,567,151, Sept. 4.
Horner, Reginald G., assignor to Ilford Limited, Ilford, England. Photographic color film. 2,566,664, Sept. 4.
Horton, Roger F., Hempstead, N. Y., assignor, by mesne assignments to United Aircraft Corporation, East Hartford, Conn. Stroke control means for hydraulic pumps and motors. 2,566,418, Sept. 4.
Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metering arrangement for telephone systems. 2,566,330, Sept. 4.
Houdaille-Hershey Corporation, assignee: *See*—
Hufferd, George H.
Houdry Process Corporation, assignee: *See*—
Kelly, Louis J.
Mills, George A.
Houston, Robert J.: *See*—
Brown, Harold P., and Houston.
Hovey, C. E., trustee, assignee: *See*—
Bloomfield, Samuel.
Howard, Edward G., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Initiator systems comprising a titanous compound and nitrogen compounds such as oximes. 2,567,109, Sept. 4.
Howell, Herbert R., Summit, N. J. Cutting shears. 2,566,492, Sept. 4.
Howes, Edgar T., Pasadena, Calif. Torsion indicating device. 2,566,566, Sept. 4.
Hoy, Austin, & Company Limited, assignee: *See*—
Proctor, Sidney E.
Huber, William A., Neptune City, and W. T. Pope, Jr., Asbury Park, N. J. Radar range tracking system. 2,566,331, Sept. 4.
Huber, William A., Neptune City, and M. Gindoff, Lakewood, N. J. Plan position indicating system. 2,566,332, Sept. 4.
Huelsmeyer, Walter E., Quincy, Ill. Price tag and name card holder. 2,566,837, Sept. 4.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Picker stick linkage. 2,566,890, Sept. 4.
Hufferd, George H., Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Toggle-type picker stick linkage. 2,566,891, Sept. 4.
Huffman, Eugene H., Berkeley, and L. J. Beaufait, Jr., North Richmond, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission. Zirconium and hafnium separation process. 2,566,665, Sept. 4.
Humber, Gustave, Los Angeles, Calif. Resetting bowling pins. 2,566,987, Sept. 4.
Humphrey, James M., New Richmond, Wis. Rotary sealer. 2,566,799, Sept. 4.
Hunt, William J., assignor to Motorola, Inc., Chicago, Ill. Selecting device. 2,566,767, Sept. 4.
Hunter, William A., assignor to Chrysler Corporation, Highland Park, Mich. Valve system for hydraulic transmissions. 2,567,152, Sept. 4.
Huntoon, Robert D., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Frequency selective feedback amplifier. 2,566,333, Sept. 4.
Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Closure for liquid containers. 2,566,838, Sept. 4.
Huse, Raymond A., Crandford, and F. W. Gay, Metuchen, N. J. Phase rotation and polarity testing instrument. 2,566,726, Sept. 4.
Hutcherson, Archie, Detroit, Mich. Center extension table. 2,566,800, Sept. 4.
Hutchinson, Henry M., Banstead, and J. J. P. Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Production of polystyrene beads. 2,566,567, Sept. 4.
Huyck, Ralph S., assignor to Bendix Products Corporation, South Bend, Ind. Hydraulic brake. 2,566,614, Sept. 4.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organopolysiloxanes prepared by the reaction of salts of silanols with halosilanes. 2,567,110, Sept. 4.
Hydrocarbon Research, Inc., assignee: *See*—
Burns, James A., and Engel.
I. T. E. Circuit Breaker Company, assignee: *See*—
Yarrick, Charles J.
Iams, Harley, Princeton, N. J., assignor to Radio Corporation of America. Radio wave focusing device. 2,566,703, Sept. 4.
Ilford Limited, assignee: *See*—
Fry, Douglas J.
Horner, Reginald G.
Illinois Testing Laboratories, Inc., assignee: *See*—
Boyle, John R.
Industriaktiebolaget Luxor, assignee: *See*—
Norén, Helge.
Ingersoll-Rand Company, assignee: *See*—
Hamlin, Frederic T.
Innes, William B.: *See*—
Ashley, Kenneth D., and Innes.
Interchemical Corporation, assignee: *See*—
Moore, Samuel A., and Kass.
Interior, United States of America as represented by the Secretary of the, assignee: *See*—
Orchin, Milton, and Woolfolk.

International Business Machines Corporation, assignee: *See*—
Bergfors, Carl A.
Brand, Samuel, and Cunningham.
Carroll, Fred M., and Smith.
Crumrine, Chester W.
Cunningham, James M., and Smith.
Dayger, Jonas E., and Hollis.
Dickinson, Arthur H.
Gifford, Emerson W.
Johnson, Reynold B., and Geiger.
Keen, Harold H.
Last, James.
Luhn, Hans P.
Mills, Albert W.
Mills, Albert W., Furman, and Read.
Morris, George F.
Oldenboom, Derk J.
Pets, John L.
Ritz, Francis U.
Watson, Jeannette K.
Wheeler, John N.
Iron Fireman Manufacturing Company, assignee: *See*—
Wright, Richard C.
Irwin, Ernest R., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Cleaning composition. 2,566,298, Sept. 4.
Ives, Clifford E., Wilmette, assignor to Sears, Roebuck and Co., Chicago, Ill. Corn cutter. 2,566,568, Sept. 4.
Jack & Heintz Precision Industries, Inc., assignee: *See*—
Heintz, Ralph M., and Buhl.
Sears, Richard E.
Jackson, A. O. and C. L., assignors to Walker Wire Company, Ferndale, Mich. Wire unwinding reel. 2,566,801, Sept. 4.
Jackson, Clarence E.: *See*—
Christenson, Arthur L., and Jackson.
Jackson, Clifford C., Detroit, and H. W. Smith, assignors to Chrysler Corporation, Highland Park, Mich. Window structure. 2,567,153, Sept. 4.
Jackson, Clifford L.: *See*—
Jackson, A. O. and C. L.
Jacobs, Stephen, Fitchburg, Mass., assignor to General Electric Company. Turbine type pump for hydraulic governing systems. 2,566,892, Sept. 4.
Jacobus, Harland E., University Heights, assignor to Thompson Products, Inc., Cleveland, Ohio. Balanced valve diaphragm assembly. 2,567,071, Sept. 4.
Jamrosy, John J., Dayton, Ohio. Clamp for cable drum controls. 2,566,334, Sept. 4.
Jefferson Chemical Company, Inc., assignee: *See*—
Neuhaus, Max.
Jensen, George, Denver, Colo. Cartridge case. 2,566,569, Sept. 4.
Jensen, Ralph L., assignor to Warwal Corporation, Chicago, Ill. Folding armchair. 2,567,111, Sept. 4.
Joerren, Ernest A., Brooklyn, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Heat or flame detecting element and assembly. 2,566,335, Sept. 4.
Johnson, Charles A., Berlin, N. H. Seating means for wood chipper bed knives. 2,566,938, Sept. 4.
Johnson, Edward W.: *See*—
Lehane, Timothy J., and Johnson.
Johnson, Horace J., Grosse Pointe, assignor to Penberthy Injector Company, Detroit, Mich. High-pressure liquid level gauge. 2,566,570, Sept. 4.
Johnson, Howard R., Pound, Va. Muffler with plural side branch chambers. 2,566,939, Sept. 4.
Johnson, Reynold B., and E. F. Geiger, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Secondary clock synchronizing mechanism. 2,566,940, Sept. 4.
Johnson, Richard M.: *See*—
Barnes, George W., Jr., Johnson, and Wills.
Johnson, William C., East Providence, R. I. Expansible band. 2,567,019, Sept. 4.
Jones, Albert W., Sr., Okmulgee, Okla. Rocker arm grinding device. 2,566,893, Sept. 4.
Jones, Charles Y., Carlisle, Pa. T belt. 2,566,768, Sept. 4.
Jørgensen, Holger, assignor to Aktieselskabet Dansk Gaeringsa-Industri, Copenhagen, Denmark. Method and agent for controlling undesirable fermentation in cheese. 2,566,941, Sept. 4.
Joy Manufacturing Company, assignee: *See*—
Gartin, Elmer G.
Sinclair, Frank E.
Julian, Percy L., Maywood, E. W. Meyer, and J. W. Cole, Chicago, and A. Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparation of keto-amine salts in the steroid series and products. 2,566,336, Sept. 4.
Julien, Josephine M., Troy, N. Y. Catamenial bandage. 2,566,451, Sept. 4.
Junge, Albert E.: *See*—
Lytle, William O., and Junge.
Kacsmarek, Simeon, Hamburg, N. Y. Reel. 2,566,894, Sept. 4.
Kagan, William, St. Louis, Mo. Automatic electrical control for furnaces and fire alarms. 2,567,112, Sept. 4.
Kaiser-Frazer Corporation, assignee: *See*—
Bedford, Clay P., Hammond, and Hallett.
Kalb, John W., Barberton, Ohio, assignor to General Electric Company. Protective device. 2,566,895, Sept. 4.
Kammins, Herman D., Chicago, Ill., assignor to Daka, Inc. Roasting machine. 2,566,524, Sept. 4.
Kane, John, Erie, Pa., assignor to Read Standard Corporation. Locomotive stoker. 2,566,419, Sept. 4.
Karey, Romuald: *See*—
Hackethal, Paul F., and Karey.
Kass, Peter: *See*—
Moore, Samuel A., and Kass.
Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Controlling exothermic gas reactions. 2,566,337, Sept. 4.
Kauck, Edward A.: *See*—
Diesslin, Albert R., Kauck, and Simons.
Kay, Frank, Lytham, England. Pipe coupling. 2,566,769, Sept. 4.
Kay, Leah A., Amarillo, Tex. Bedding. 2,567,072, Sept. 4.
Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Record sensing device. 2,566,942, Sept. 4.
Keilholtz, Gerald W., Lynn, and M. J. Bergin, Boston, assignors to Sylvania Electric Products Inc., Salem, Mass. Etching tungsten coils. 2,566,615, Sept. 4.
Keinath, G., Larchmont, N. Y., and R. K. Hellman; said Hellmann assignor to Great American Industries, Incorporated, Meriden, Conn. Electronic relay system. 2,566,420, Sept. 4.
Kellogg, M. W., Company, The, assignee: *See*—
Burton, William P., and McGrath.
Kelly, Louis J., Tenafly, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Sealing hydrocarbon conversion housings. 2,566,896, Sept. 4.
Kemp, Franklin, Wesleyville, Pa. Hair waving device. 2,566,727, Sept. 4.
Kemp, Kenneth A. W., Milton, near Gravesend, assignor to C. A. V. Limited, London, England. Hydraulic governor. 2,566,728, Sept. 4.
Kennelly, Reginald G., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aluminum articles coated with heat-sealable composition. 2,566,802, Sept. 4.
Kensington Steel Company, assignee: *See*—
Anderson, Carlos E.
Kersten, Herbert H., Fort Dodge, Iowa. Narcotics container and billfold for physicians. 2,566,452, Sept. 4.
Kestral Corporation, assignee: *See*—
Marsh, Frederick W.
Ketay, Walter A., Huntington, N. Y. Display hatcher. 2,566,453, Sept. 4.
Khouri, Alfred S., and R. L. Wolff, assignors to Globe-Union Inc., Milwaukee, Wis. Printed electronic circuit. 2,566,666, Sept. 4.
Kime, Harry B., Drexel Hill, Pa. Apparatus for testing fire-resistant material. 2,566,338, Sept. 4.
King, Dudley S., London, England. Dewatering or drying of peat. 2,566,943, Sept. 4.
Kittleson, Allen R.: *See*—
Green, Arthur D., Ohsol, and Kittleson.
Kling, Fred E.: *See*—
Brassert, Herman A., and Kling.
Klinker, Louis G., Griffith, Ind., assignor to The Glidden Company, Cleveland, Ohio. Brazing paste. 2,566,339, Sept. 4.
Knaggs, Elton B., Lapeer, Mich. Milk metering device. 2,566,729, Sept. 4.
Knight, Wesley T., Ogden, Utah. Jet engine valve construction. 2,566,730, Sept. 4.
Knitel, Francois J. M., Voorburg, Netherlands. Urinal having a flushing channel therein for disposal of paper. 2,566,770, Sept. 4.
Knudsen, Raymond G.: *See*—
Walraven, George M., and Knudsen.
Koenig, Herbert G., Merriam, Kans. Electrical rotating apparatus for directional antennae. 2,566,897, Sept. 4.
Koerts, Albertus, administrator: *See*—
Weber, Anton P., and F. A.
Kögel, Wilhelm G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Freezing compartment structure. 2,566,340, Sept. 4.
Kolb, John P., Queens Village, N. Y., assignor to General American Transportation Corporation, Chicago, Ill. Settling device. 2,566,988, Sept. 4.
Komline-Sanderson Engineering Corporation, assignee: *See*—
Komline, Thomas R.
Komline, Thomas R., Ridgewood, assignor to Komline-Sanderson Engineering Corporation, Glen Rock, N. J. Burning sewage sludge and apparatus therefor. 2,566,731, Sept. 4.
Kort, Ludwig, Hannover, Germany. Screw propeller and nozzle ship propulsion assembly. 2,566,525, Sept. 4.
Kosolapoff, Gennady M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Tetraalkylmonothionopyrophosphate and preparation. 2,567,154, Sept. 4.
Kovalovsky, Arthur and O., Los Angeles, Calif. Brake for fishing reels. 2,566,803, Sept. 4.
Kovalovsky, Oscar: *See*—
Kovalovsky, Arthur and O.
Krieg, Edwin H., Wellesley Hills, Mass. Multiple stage bleed heater. 2,566,732, Sept. 4.
Krihwan, Julius O., Erie, Pa., assignor to Talon, Inc. merchandise package. 2,566,667 Sept. 4.

Krim-Ko Corporation assignee: *See*—
Stoloff, Leonard S.
Kristmanz, Einer, Detroit, Mich. Pipe coupling. 2,567,113, Sept. 4.
Krueger, Ernest A., Milwaukee, Wis. Adjustable height ironing table. 2,566,668, Sept. 4.
Krueger, Theodore H., Stratford, Conn., assignor to Better Packages Incorporated. Dispenser for pressure sensitive tapes. 2,566,733, Sept. 4.
Krukonis, Alexander C., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Yieldable pneumatic thread remover for looms. 2,566,839, Sept. 4.
Krumreich, Charles L., North Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switch for telephone substation sets. 2,566,840, Sept. 4.
Kueter, George B., Dearborn, Mich. Apparatus for forming continuous welded tubing. 2,567,020, Sept. 4.
Kuplec, Harry P., Fair Lawn, assignor to Air Associates, Incorporated, Teterboro, N. J. Hydraulic valve. 2,567,073, Sept. 4.
Kuplec, Harry P., Paramus, assignor to Air Associates, Incorporated, Teterboro, N. J. Differential hydraulic steering system. 2,567,074, Sept. 4.
Ladd, Otto H., Lancaster, Calif. Blade holder. 2,566,493, Sept. 4.
La Duca, Joseph J., Newark, N. J. Clothes clamp. 2,566,841, Sept. 4.
La Flamme, Alderic W., and E. Goldstein, Springfield, Mass. Holding device. 2,566,804, Sept. 4.
Landes, Chester G., New Canaan, and J. Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Starch composition. 2,566,842, Sept. 4.
Lane-Wells Company, assignee: *See*—
Forsyth, Valoris L., and Dillon.
Lankelma, Herman P.: *See*—
Bartleson, John D., and Lankelma
Lapointe, Donald H., Meriden, Conn. Antifriction bearing-retaining strip. 2,566,421, Sept. 4.
Lappin, Robert I., Marblehead, and L. Zaiger, Swampscott, Mass. Adjustable crank device. 2,566,843, Sept. 4.
La Resista Corset Company, The, assignee: *See*—
Holler, John V.
Larson, Reuben G., La Crosse, Wis. Logging apparatus. 2,566,816, Sept. 4.
Laschke, Harry W., assignor of one-half to R. R. Tompkins, Iowa City, Iowa. Tool for expanding and contracting culvert bands. 2,566,454, Sept. 4.
Last, James, London, England, assignor to International Business Machines Corporation, New York, N. Y. Typesetting means in record controlled printing machine. 2,566,944, Sept. 4.
Lathrop, Harvey, Forest Hills, N. Y. Memorandum device. 2,566,989, Sept. 4.
Laughead, Lillian L., Lansing, Mich. Combination shirt and diaper. 2,566,844, Sept. 4.
Lavander, Edward J., Chicago, Ill., assignor of one-half to H. Posner and one-half to R. P. Posner. Multiple connector. 2,566,805, Sept. 4.
Lawrence, Owen N., and E. H. Warne, assignors to J. Lucas Limited, Birmingham, England. Liquid fuel combustion system. 2,566,734, Sept. 4.
Laze, Pierre, assignor to Compagnie des Freins et Signaux Westinghouse, Paris, France. Apparatus for the electrical control of railway track switches. 2,566,945, Sept. 4.
Laze, Pierre, assignor to Compagnie des Freins et Signaux Westinghouse, Paris, France. Apparatus for the electrical control of railway track switches. 2,566,946, Sept. 4.
Leader Electric Company, assignee: *See*—
Yellin, Edward.
Lecarme, Jacques, assignor to Société Nationale De Constructions Aeronautiques du Sud-Est, Paris, France. Aircraft control system. 2,566,526, Sept. 4.
Lees-Bradner Company, assignee: *See*—
Warner, Homer C.
Leese, Charles P., assignor to Standard Car Truck Company, Chicago, Ill. Hotbox alarm device. 2,566,494, Sept. 4.
Lehane, Timothy J., North Riverside, and E. W. Johnson, assignors to Vapor Heating Corporation, Chicago, Ill. Aircraft refrigeration control. 2,566,617, Sept. 4.
Leibing, William E., Los Angeles, Calif. Electric switch. 2,566,704, Sept. 4.
Leland, George H., Dayton, Ohio. Motion converting device. 2,566,571, Sept. 4.
Lepie, Myron P., New Rochelle, N. Y. Decoration of ceramic ware. 2,566,735, Sept. 4.
Lesnick, Max L., Cleveland Ohio. Dispensing nozzle with measuring chamber and counter, nonremovable attachment to a bottle neck, and valved dispensing and vent outlets for said chamber. 2,566,669, Sept. 4.
Levaur, Bernard D., and E. D. Altree, assignors to Pittsburgh Reflector Company, Pittsburgh, Pa. Luminaire having end members and quickly detachable side panels. 2,566,845, Sept. 4.
Lever Brothers Company, assignee: *See*—
Owen, Ronald V.
Paterson, William J.
Levin, Minnie, assignee: *See*—
Rockoff, Edward.
Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid hydroxythioesters. 2,566,341, Sept. 4.
Levin, Robert H., A. V. McIntosh, Jr., and G. B. Spero, assignors to The Upjohn Company, Kalamazoo, Mich. Steroid thioesters. 2,566,342, Sept. 4.
Levison, Robert, Ede, and B. J. Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Continuous manufacture of viscose products. 2,566,455, Sept. 4.
Levison, Robert, Ede, and B. J. Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Continuous manufacture of viscose products. 2,566,456, Sept. 4.
Levison, Robert, Ede, and B. J. Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C. Manufacture of viscose products. 2,566,457, Sept. 4.
Levison, Walter, assignee: *See*—
Brookes, Samuel.
Levy, René L., also known as René Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland. Liquid compression shock absorber. 2,566,736, Sept. 4.
Lewis, Alfred H., Huntington Woods, Mich., assignor to Swift Electric Welder Company. Flash welder. 2,566,670, Sept. 4.
Lewis, Robert B.: *See*—
Toth, John J., and Leveurs.
Lichtenfels, Ira W., St. Louis, Mo., and H. G. Moore, Wesleyville, Pa., assignors to General Electric Company. Traction vehicle control system. 2,566,898, Sept. 4.
Lilly, Elizabeth S., assignor to C. W. Freed, Wilmington, Del. Dripless container. 2,566,527, Sept. 4.
Limpo, Bennett J. and T. H., Lynwood, Calif. Gate fastener. 2,566,771, Sept. 4.
Limpo, Thomas H.: *See*—
Limpo, Bennett J. and T. H.
Lindberg, Caryl A., Glendale, assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Electric toaster. 2,567,075, Sept. 4.
Lindsey, Ansel, San Jose, Calif. Adjustable top for boats. 2,566,572, Sept. 4.
Lindsey, William H., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Turbine driving aircraft accessory. 2,566,618, Sept. 4.
Linn, Clarence E., Newark, Ohio, assignor to Curtiss-Wright Corporation. Latch mechanism. 2,567,114, Sept. 4.
Littleales, Henry W., assignee: *See*—
Brookes, Samuel.
Livengood, Samuel M., Pittsburgh, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Production of polyoxyethylene glycol superesters. 2,567,076, Sept. 4.
Livesay, Patty C., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Positive shutoff device. 2,566,345, Sept. 4.
Livingstone, James, assignor to P. E. Livingstone, San Francisco, Calif. Rotary drilled hole enlarger. 2,566,671, Sept. 4.
Livingstone, Pearl E., assignee: *See*—
Livingstone, James.
Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Newhouse, Leon M.
Lopker, Edwin B., East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Heat exchange apparatus. 2,566,929, Sept. 4.
Lord, George, Stambaugh, Mich. Sliding spool fishing reel. 2,566,344, Sept. 4.
Lowstuter, William R.: *See*—
Boe, Carsten F., and Lowstuter.
Lubberhuizen, Jan W., deceased, by D. A. Broekhuizen, executrix, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Knife guard for slicing machines. 2,566,574, Sept. 4.
Lucas, Joseph, Limited, assignee: *See*—
Lawrence, Owen N., and Warne.
Lucien, René: *See*—
Levy, René L.
Luhn, Hans P., Armonk, assignor to International Business Machines Corporation, New York, N. Y. Electrical multiplying and dividing machine. 2,566,947, Sept. 4.
Lyon, George A., Allenhurst, N. J. Wheel cover. 2,566,345, Sept. 4.
Lyon, Herman L., and J. R. Boeker, Newark, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Insulating material and forming the same. 2,566,619, Sept. 4.
Lyon, Hyland, Los Angeles, Calif. Expansible pin structure. 2,566,573, Sept. 4.
Lyte, George A., Allentown, Pa. Multiple blast. 2,566,948, Sept. 4.
Lytle, William O., and A. E. Junge, New Kensington, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Electroconductive products and production thereof. 2,566,346, Sept. 4.
Macau V., Jose A., Santo Suares, Habana, Cuba. Illuminated sign. 2,566,458, Sept. 4.

MacKenzie, Charles A., East Orange, N. J., assignor of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Silicon acylates. 2,566,347, Sept. 4.
Mackie, Robert, Glasgow, Scotland. Shuttering for use in the manufacture of concrete structures. 2,566,528, Sept. 4.
MacMillan, Robert E., Baldwin, N. Y. Clothespin. 2,566,348, Sept. 4.
Macy, James C., Westfield, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Crimping die. 2,567,155, Sept. 4.
Mager, Eric L., Peabody, assignor to Sylvania Electric Products Inc., Salem, Mass. Electroluminescent lamp. 2,566,349, Sept. 4.
Magnani, Arthur: *See*—
Julian, Percy L., Meyer, Cole, and Magnani.
Magnavox Company, The, assignee: *See*—
Dreisbach, Robert H.
Mahle, Andrew, Oakland, Calif. Heated aquarium. 2,566,990, Sept. 4.
Male, Herman A.: *See*—
Critchley, William C., and Male.
Malowan, John E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Corrosion inhibitor for concentrated phosphoric acid. 2,567,156, Sept. 4.
Mangieri, Ray A., New Kensington, Pa. Combination poultry feed trough. 2,566,899, Sept. 4.
Manlet, Raymond, assignee: *See*—
Trippi, Joseph.
Manley, Fred A., East Grand Rapids, Mich. Sound dispersing device. 2,566,422, Sept. 4.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Coupling. 2,566,575, Sept. 4.
Maple Island, Inc., assignee: *See*—
Coulter, Samuel T., and Becker.
Marchant Calculating Machine Company, assignee: *See*—
Nolde, George V.
Studley, Clarence K., Jr.
Marchant, Francis C. I.: *See*—
Owner, Frank M., and Marchant.
Marco Company, Inc., assignee: *See*—
Marco, John.
Marco, John, assignor to Marco Company, Inc., Wilmington, Del. Hydraulic grinding control. 2,566,949, Sept. 4.
Margon Corporation, assignee: *See*—
Rose, Samuel.
Marsh, Frederick W., assignor to Kestral Corporation, Springfield, Mass. Valve construction. 2,566,576, Sept. 4.
Martin, Samuel M., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for insulating conductors. 2,566,846, Sept. 4.
Martindale, John W.: *See*—
Hessney, George C., and Martindale.
Mautner, Leonard P.: *See*—
Dean, Walter N., and Mautner.
Mayland, Bertrand J., and A. Clark, Bartlesville, Okla., assignors to Phillips Petroleum Company. Manufacture of synthesis gas. 2,566,620, Sept. 4.
Maynard, Arthur H., Warwick, R. I., assignor to Bostitch, Inc., Stonington, Conn. Staple extractor. 2,567,021, Sept. 4.
McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency antenna system. 2,566,900, Sept. 4.
McCaleb, Albert G., deceased, assignee: *See*—
Minor, Charles G.
McCaleb, Ruth F., executrix: *See*—
Minor, Charles G.
McCoy, Frank V., assignor to The Springfield Tent & Awning Company, Springfield, Ohio. Awning hinge. 2,566,459, Sept. 4.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Electronic director. 2,567,115, Sept. 4.
McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic frequency changer having partial gaps. 2,567,116, Sept. 4.
McCullough, I. J., assignee: *See*—
Sweetman, William G.
McCullough, O. J., assignee: *See*—
Sweetman, William G.
McDevitt, John W., Davenport, Iowa. Lifter for lifting roast fowl, meat, etc. 2,566,577, Sept. 4.
McGee, Leland T., Los Angeles, Calif. Bowl control for carry type scrapers. 2,566,901, Sept. 4.
McGrath, Henry G.: *See*—
Burton, William P., and McGrath.
McIntosh, A. Vern, Jr.: *See*—
Levin, Robert H., McIntosh, and Spero.
McKay, William E., South Gate, Calif. Adjustable bearing for disk harrows and the like. 2,566,991, Sept. 4.
McKeehan, Eugene H.: *See*—
Whitnah, Ronald L., and McKeehan.
McKinnon, William H., assignee: *See*—
Coulter, Hugh A.
Meier, William A., Rochester, Pa. Flame polishing the gray cut surface of ornamental designs in glass. 2,566,350, Sept. 4.
Mellor, Albert: *See*—
Crummett, Alan, and Mellor.
Mensing, Carl E.: *See*—
Cooper, Hal B. H., and Mensing.
Merck & Co., Inc., assignee: *See*—
Stoloff, Leonard S.
Merdian, Virginia S., Moline, Ill. Shielded crib for babies. 2,566,737, Sept. 4.
Mergen, Joseph M., Verona, and E. K. Tiedeman, Packanack Lake, N. J., assignors to Curtiss-Wright Corporation. Bidirectional no-back clutch. 2,566,705, Sept. 4.
Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Tilford.
Meuler, James H., Oconomowoc, Wis. Resuscitation apparatus. 2,566,351, Sept. 4.
Meyer, Edwin W.: *See*—
Julian, Percy L., Meyer, Cole, and Magnani.
Meyer, Geo. J., Manufacturing Company, assignee: *See*—
Meyer, George L. N.
Meyer, George L. N., Milwaukee, assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Brush spindle. 2,566,621, Sept. 4.
Meyercord Co., The, assignee: *See*—
Grupp, Alfred F., Rathke, Talan, and Watts.
Meystre, Charles, Basel, P. A. Plattner, Zurich, and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Compounds with conjugated double bonds, their oxidation products, and preparing same. 2,566,352, Sept. 4.
Miami Industries, Inc., assignee: *See*—
Miller, John W.
Michael, Frank L., Dalton, Mass., assignor to General Electric Company. Vitreous material and making. 2,566,902, Sept. 4.
Mihalic, Michael P., Detroit, Mich. Valve spring compressing tool. 2,566,460, Sept. 4.
Miller, Beulah F., administratrix: *See*—
Miller, Beulah F., and Owen.
Miller, Beulah F., and B. S. Owen, deceased, Cleveland, Ohio; B. F. Miller administratrix of said B. S. Owen. Artificial flower article. 2,566,950, Sept. 4.
Miller, Frederic H.: *See*—
Gilbert, Samuel, and Miller.
Miller, Hugh A., Bay Shore, N. Y., assignor to A. C. Bonebrake and J. W. Smith, doing business as Vaponefrin Company, Upper Darby, Pa. Combined atomizer and suction device. 2,566,806, Sept. 4.
Miller, John V., Fancy Prairie, Ill. Cylinder sleeve removing tool. 2,566,847, Sept. 4.
Miller, John W., assignor to Miami Industries, Inc., Toledo, Ohio. Apparatus for forming tubes. 2,566,423, Sept. 4.
Millier, William R., Montreal, Quebec, assignor to Cresswell Roll Forming Company Limited, Ganby, Quebec, Canada. Structural member. 2,566,622, Sept. 4.
Milliken, Humphreys, Mount Royal, Quebec, Canada. Air-blast circuit breaker. 2,567,022, Sept. 4.
Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record card feeding mechanism. 2,566,951, Sept. 4.
Mills, Albert W., Bradenton, Fla., F. J. Furman, and H. L. Read, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Combined typewriter recording and computing machine of the record controlled type. 2,566,952, Sept. 4.
Mills, George A., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Purification of oils. 2,566,353, Sept. 4.
Miner, Carl S., Jr.: *See*—
Pedlow, George W., Jr., and Miner.
Minister of Mines and Resources, His Majesty the King in the right of Canada, as represented by the, assignee: *See*—
Rabbitts, Alfred T.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Barnes, George W., Jr., Johnson, and Wills.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Diesslin, Albert R., Kauck, and Simons.
Pedlow, George W., Jr., and Miner.
Minor, Charles G., deceased, Evanston, assignor of one-half to A. G. McCaleb, deceased, Chicago, Ill.; H. H. Gmeiner, executor of said C. G. Minor; R. F. McCaleb, executrix of said A. G. McCaleb. Double-door structure with latching mechanism. 2,566,578, Sept. 4.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Fitterling, Cecil H.
Mitchell, Lester F., Shaker Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Punching apparatus. 2,566,738, Sept. 4.
Miyakawa, Gene K., Baldwin Park, Calif. Bathtub formed with body rests. 2,566,495, Sept. 4.
Mochel, Walter E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing polychloroprene. 2,567,117, Sept. 4.
Monsanto Chemical Company, assignee: *See*—
Bischoff, George H.
Debing, Lawrence M.
Kennelly, Reginald G.
Kooslapoff, Gennady M.
Malowan, John E.
Samaras, Nicholas N. T.
Montano, Domenico, Gloversville, N. Y. Fisherman's pole rest. 2,566,496, Sept. 4.

Montclair Research Corporation, assignee: *See*—
MacKenzie, Charles A.
Montgomerie, John A., Cambuslang, Scotland, assignor to Chemical Manufacturing Company, Dublin, Eire. Coating of paper. 2,566,529, Sept. 4.
Moon, Herbert, E., London, England. Manufacture of dolomite bricks. 2,567,077, Sept. 4.
Moore, Harold G.: *See*—
Lichtenfels, Ira W., and Moore.
Moore, Samuel A., Cincinnati, Ohio, and P. Kass, Wilmington, Del., assignors to Interchemical Corporation, New York, N. Y. Vinyl monomer compositions stabilized against the deleterious effects of copper and copper compounds. 2,566,739, Sept. 4.
Moran, Hugh G., St. Louis, Mo. Dental appliance. 2,566,903, Sept. 4.
Morano, Patrick J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Foundation garment. 2,566,461, Sept. 4.
Moreton, Douglas H., Pacific Palisades, assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Hydraulic fluid composition. 2,566,623, Sept. 4.
Morey, Woodruff A., Chicago, Ill. Lubrication fitting. 2,566,354, Sept. 4.
Morgan, Jerome P., Maplewood, and E. O. Ohsol, Cranford, N. J., assignors to Standard Oil Development Company. Manufacture of imides. 2,566,992, Sept. 4.
Morley, Charles E., Detroit, Mich. Mirror construction. 2,566,447, Sept. 4.
Morris, George F., Etobicoke, Ontario, Canada, assignor to International Business Machines Corporation, New York, N. Y. Manifolding ribbon mechanism. 2,566,953, Sept. 4.
Morton, Jack A., Neshanic Station, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire winding and tensioning device. 2,566,848, Sept. 4.
Morway, Arnold J., Rahway, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Preparing a polyvalent metal soap. 2,567,023, Sept. 4.
Motor Industry Research Association, The, assignee: *See*—
Dykes, Paul D.
Motorola, Inc., assignee: *See*—
Clark, James M., and Counts.
English, Robert R.
Fyler, George W.
Fyler, George W., and Heisig.
Hunt, William J.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,566,849, Sept. 4.
Mott, Edward E., Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electroacoustic transducer. 2,566,850, Sept. 4.
Mueller Co., assignee: *See*—
Smith, John J.
Munter, Casimir J., Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc. Powdered glassy phosphate composition and making the same. 2,566,424, Sept. 4.
Murdock, Robert W., Orinda, Calif., assignor, by mesne assignments, to Morton Gregory Corporation. Bent Stud chuck. 2,567,024, Sept. 4.
Murray Corporation of America, The, assignee: *See*—
Gould, Byron C.
Tea, Clark A., and Aschman.
Murray, Donald E., Modesto, Calif. Apron and ejector control for carry-type scrapers. 2,567,118, Sept. 4.
Murray, Keith W., Garrett, Ind. Combination table and cabinet. 2,566,954, Sept. 4.
Myers, Earl R., Lancaster, Pa. Surface marking machine. 2,566,624, Sept. 4.
Nagelmann, Clemens B., Santa Barbara, Calif. Ligating instrument. 2,566,625, Sept. 4.
Naidor, George P., Claremont, Calif. Headdress ornament. 2,567,119, Sept. 4.
Napoleon, Jacque J., Chicago Heights, Ill. Ironing table. 2,566,740, Sept. 4.
National Distillers Products Corporation, assignee: *See*—
Burnhart, Lloyd M.
National Foundry Sand Company, assignee: *See*—
Teasel, Chester C.
National Safety Appliance Co., Ltd., assignee: *See*—
Folker, Herbert P.
National-Standard Company, assignee: *See*—
Fraser, Larry C.
Fraser, Larry C., and Shook.
Nave, Delbert P., Lancaster, and M. B. Nave, Millersville, Pa. Lamp support. 2,566,672, Sept. 4.
Nave, Murray B.: *See*—
Nave, Delbert P. and M. B.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Dean, Walter N., and Mautner.
Huntoon, Robert D.
Sebring, Paul B.
Neuhaus, Max, Pleasantville, assignor to Jefferson Chemical Company, Inc., New York, N. Y. Preparing olefin chlorohydrins. 2,566,355, Sept. 4.
Newhouse, Leon M., Brooklyn, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Watch casing. 2,566,741, Sept. 4.
Nicholls, Kenneth H., assignee: *See*—
Rose, Alfred G.
Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Loom shuttle and shuttle box therefor. 2,566,530, Sept. 4.
Nichols, Fred L., Minneapolis, Minn. Multiple-speed drill press. 2,566,579, Sept. 4.
Nickell, Claude H., New Castle, Ind. Adjustable valve tappet. 2,567,078, Sept. 4.
Niper, Jacob H., Hackettstown, N. J. Roll gauge for gauging external screw threads. 2,566,356, Sept. 4.
Nissenbaum, Moses D., Brooklyn, assignor of one-third to W. M. Wybrants, New York, one-third to W. Wybrants, and one-third to A. Wybrants, Bronxville, N. Y. Portable head steamer. 2,566,531, Sept. 4.
Noad, Reginald W.: *See*—
Davies, Raymond G., and Noad.
Nolde, George V., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Value indexing mechanism. 2,567,120, Sept. 4.
Norén, Helge, Edsviken, near Stockholm, assignor to Industriaktiebolaget Luxor, Motala, Sweden. Control mechanism for phonographs. 2,566,462, Sept. 4.
Novotny, Ernest E., Philadelphia, and G. K. Vogelsang, La Mott, Pa., assignors to The Borden Company, New York, N. Y. Phenolic intercondensation resins and making same. 2,566,851, Sept. 4.
Nygaard, Christ, Zumbrota, Minn. Combination screw driver and wrench with screw head and nut gripping means. 2,566,673, Sept. 4.
Odell, Charles A., Kansas City, Mo. Fuel pump tester. 2,566,742, Sept. 4.
Odenthal, William, Los Angeles, Calif. Turntable as used for display purposes and friction drive mechanism therefor. 2,566,674, Sept. 4.
Odin Corporation, assignee: *See*—
Svenson, Ernest J.
Ohsol, Ernest O.: *See*—
Green, Arthur D., Ohsol, and Kittleson.
Morgan, Jerome P.
Okulitch, George J., and I. Zoznlin, Vancouver, British Columbia, Canada. Magnetic drive agitator. 2,566,743, Sept. 4.
Oldenboom, Derk J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Check-endorsing machine. 2,566,955, Sept. 4.
Olsen, Idar M., Jackson, Mich. Regulating shot sizes. 2,567,121, Sept. 4.
Olson, Eugene O., assignor to Delavan Manufacturing Company, Des Moines, Iowa. Combustion spray nozzle. 2,566,532, Sept. 4.
Optical Measuring Tools Limited, assignee: *See*—
Dietrich, Cornelius F., and Smith.
Orban, Stephen G., Bloomfield, assignor to Bendix Aviation Corporation, Teterboro, N. J. Filter unit. 2,566,463, Sept. 4.
Orchin, Milton, and E. O. Woolfolk, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior. Synthesis of di-aryl cyclic ethers. 2,566,357, Sept. 4.
Orr Felt & Blanket Company, The, assignee: *See*—
Berglund, Orion W.
Osterhage, Otto C., assignor to Crane Co., Chicago, Ill. Folding closet bowl. 2,567,025, Sept. 4.
Otis, Herbert C., Dallas, Tex. Safety control valve. 2,566,772, Sept. 4.
Otis, Herbert C., Dallas, Tex. Safety control valve. 2,566,773, Sept. 4.
Otis, Herbert C., Dallas, Tex. Safety control valve. 2,566,774, Sept. 4.
Otis, Herbert C., Dallas, Tex. Safety control device. 2,566,775, Sept. 4.
Otis, Herbert C., Dallas, Tex. Safety flow control device. 2,566,776, Sept. 4.
Ott, Arnold C., assignor to The Upjohn Company, Kalamazoo, Mich. Androgenic compositions. 2,566,358, Sept. 4.
Otterson, Oscar, Butler, assignor, by mesne assignments, to Schaefer Equipment Company, Pittsburgh, Pa. Brake beam. 2,566,744, Sept. 4.
Otto, Thomas O., Miami Beach, Fla. Rongeur. 2,566,626, Sept. 4.
Owen, Bessie S.: *See*—
Miller, Beulah F., and Owen.
Owen, Ronald V., Sale, England, assignor to Lever Brothers Company, Cambridge, Mass. Continuous saponification of fats. 2,566,359, Sept. 4.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Lyon, Herman L., and Boeker.
Philippe, Thomas E.
Tooley, Fay V.
Owens-Illinois Glass Company, assignee: *See*—
Balada, John.
Gillespie, Dwight E.
Schutz, Harold R.
Owner, Frank M., and F. C. I. Marchant, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Gas turbine power plant. 2,567,079, Sept. 4.
Padbury, John J., Stamford, Conn., and P. Tarrant, Alachua County, Fla., assignors to American Cyanamid Company, New York, N. Y. Preparing chlorofluoroethylenes. 2,566,807, Sept. 4.

Paine, George R., Pleasantville, N. Y., A. H. Frederick, Boston, Mass., and C. K. Gaertner, Scarsdale, N. Y., assignors to General Precision Laboratory Incorporated. Strip terminal connector. 2,566,425, Sept. 4.
Palmer, John H., Milford, Conn., assignor to General Electric Company. Automatic electric toaster. 2,566,904, Sept. 4.
Palmer, John H., Milford, Conn., assignor to General Electric Company. Automatic electric toaster. 2,566,905, Sept. 4.
Papa, Domenick, Brooklyn, N. Y., and N. Sperber, assignors to Schering Corporation, Bloomfield, N. J. Aminoalkyl ethers of pyridyl alkylene aryl compounds. 2,566,360, Sept. 4.
Park, Philip R., Inc., assignee: *See*—
Beckwith, Gertrude H., and Sutherland.
Parke, Davis & Company, assignee: *See*—
Sweet, Leon A., and Tillitson.
Tillitson, Edward W.
Parker Appliance Company, The, assignee: *See*—
Hartley, Emmett C.
Parks, Charles O., East Norwalk, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay selecting and indicating circuit. 2,566,426, Sept. 4.
Parrelli, Benjamin F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making closed end shoes. 2,566,361, Sept. 4.
Parsons, Frederick L., Upper Montclair, N. J. Electrical connector. 2,566,993, Sept. 4.
Parsons, John B., Toledo, Ohio. Regulator mechanism. 2,566,745, Sept. 4.
Paterson, William J., Newton Highlands, assignor to Lever Brothers Company, Cambridge, Mass. Hardening and decolorizing glyceride oils with nickel-alumina-silica catalysts. 2,566,362, Sept. 4.
Patt, Sylvester, Willoughby, Ohio. Dough forming machine. 2,566,628, Sept. 4.
Patterson, Edward H., Jr., Menands, N. Y. Golf glove. 2,566,580, Sept. 4.
Paulsen, Henry M., Long Beach, Calif. Heater having a helical fluid conveying coil. 2,566,627, Sept. 4.
Paxson, Homer D., Salem, Ohio. Expansible mandrel. 2,566,629, Sept. 4.
Pedlow, George W., Jr., Easton, Pa., and C. S. Miner, Jr., Evanston, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tertiary alkoxy amino silanes. 2,566,363, Sept. 4.
Pedlow, George W., Jr., Easton, Pa., and C. S. Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Preparing organic polysilicates stable against hydrolysis. 2,566,364, Sept. 4.
Pedlow, George W., Jr., Easton, Pa., and C. S. Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Organic orthosilicates stable against hydrolysis. 2,566,365, Sept. 4.
Pedlow, George W., Jr., and C. S. Miner, Jr., Evanston, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tertiary-alkoxy chlorosilanes. 2,566,956, Sept. 4.
Pedlow, George W., Jr., Easton, Pa., and C. S. Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tertiary-alkoxy chlorosilanes. 2,566,957, Sept. 4.
Pelton, Earl L., G. C. Wiggins, and G. M. Corbett, assignors to The Dow Chemical Company, Midland, Mich. Bicyclooctane acetic acid and esters thereof. 2,567,026, Sept. 4.
Pelton Water Wheel Company, The, assignee: *See*—
Alward, Leroy D.
Penberthy Injector Company, assignee: *See*—
Johnson, Horace J.
Pennington, Neal A., Tucson, Ariz., assignor of one-fifth to R. H. Henley, Tiptonville, Tenn., and one-fourth to R. S. Hoar, South Milwaukee, Wis. Humidification preventer for anhydrous air coolers. 2,566,366, Sept. 4.
Personal Products Corporation, assignee: *See*—
Ganz, Henry.
Petcar Research Corporation, assignee: *See*—
Peters, Melville F.
Peter Paul, Inc., assignee: *See*—
Zeun, Louis H.
Peters, Herbert W., Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill. Beverage brewer. 2,567,027, Sept. 4.
Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Test circuit for temperature responsive systems. 2,566,367, Sept. 4.
Peterson, Edward T., Hampton Heights, Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Kickoff. 2,566,958, Sept. 4.
Peterson, Wayne, Moorhead, Minn. Stereotype casting machine. 2,566,581, Sept. 4.
Petrovicki, Herbert: *See*—
Abrahamczik, Ernst, Petrovicki, and Schaffernak.
Petty, Bernard L., Fairlington, Va. Cigarette dispenser. 2,566,808, Sept. 4.
Petz, John L., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Stencil typing machine. 2,566,959, Sept. 4.
Philco Corporation, assignee: *See*—
Bradley, William E.
Philipps, Thomas E., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Mineral fiber mat and making same. 2,566,960, Sept. 4.
Phillips Petroleum Company, assignee: *See*—
Hepp, Harold J.
Mayland, Bertrand J., and Clark.
Phipps, Carl E.: *See*—
Phipps, John T.
Phipps, John T., Huntington Park, Calif., assignor, by mesne assignments, of one-third to himself, one-third to W. F. Sturdivant, and one-third to C. E. Phipps. Renewable pump piston. 2,566,994, Sept. 4.
Pierce Governor Company, Inc., The, assignee: *See*—
Reger, Raymond.
Pifer, George W., Findlay, Ohio. Toothbrush with divergent sweep-action tuft rows. 2,567,080, Sept. 4.
Pittsburgh Plate Glass Company, assignee: *See*—
Lytle, William O., and Junge.
Pittsburgh Reflector Company, assignee: *See*—
Levaur, Bernard D., and Altree.
Platt, Lester B., Hartsdale, N. Y. Finger nail exposer for use in manicuring. 2,566,852, Sept. 4.
Plattner, Placidus A.: *See*—
Meystre, Charles, Plattner, and Wettstein.
Polydoroff, Wladimir J., Bethesda, Md. Very high-frequency tuning circuits. 2,566,746, Sept. 4.
Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Pressure control for thrust nozzles for turbines. 2,566,961, Sept. 4.
Pope, William T., Jr.: *See*—
Huber, William A., and Pope.
Posner, Henry, assignee: *See*—
Lavander, Edward J.
Posner, Richard P., assignee: *See*—
Lavander, Edward J.
Potash, Maxwell: *See*—
Dolnick, Arthur A., and Potash.
Poux, Noel J., Meadville, Pa.: Making hot and cold packs. 2,566,533, Sept. 4.
Powers, Milton A., Detroit, Mich. Heat mover. 2,566,630, Sept. 4.
Precision Crown Company, assignee: *See*—
Brekle, Oliver R.
Precision Scientific Company, assignee: *See*—
Sobers, Winfield B.
Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,566,631, Sept. 4.
Pritchett, David E.: *See*—
Stevens, Jesse W., Pritchett, and Baier.
Procter & Gamble Company, The, assignee: *See*—
Van Buren, John.
Proctor, Sidney E., assignor to Austin Hoy & Company Limited, Aylesbury, England. Coal cutter chain. 2,566,675, Sept. 4.
Propp, George J., Loveland, Colo. Artificial insemination device. 2,566,632, Sept. 4.
Publicker Industries Inc., assignee: *See*—
Beesch, Samuel C.
Dolnick, Arthur A., and Potash.
Purl, John H., United States Navy. Radio altimeter trimmer. 2,566,368, Sept. 4.
Putman, Henry M., Boston, Mass. Pressure gauge. 2,566,369, Sept. 4.
Quinn, Charles B., Dayton, Ohio. Safe. 2,566,370, Sept. 4.
Quinn, David H., United States Navy. Water filter. 2,566,371, Sept. 4.
Rabbitts, Alfred T., Ottawa, Ontario, Canada, assignor to His Majesty the King in the right of Canada, as represented by the Minister of Mines and Resources. Electrodeposition apparatus. 2,566,676, Sept. 4.
Radig, Walter E., assignor to Bell & Howell Company, Chicago, Ill. Plywood shaping apparatus. 2,567,122, Sept. 4.
Radio Corporation of America, assignee: *See*—
Albright, James E.
Barco, Allen A.
Cherry, William H.
Fredendall, Gordon L.
Goldsmith, Alfred N.
Grosdoff, Igor E.
Grundmann, Gustave L.
Iams, Harley.
Sziklai, George C.
Zworykin, Vladimir K.
Ramsay, Erskine, Birmingham, Ala. Mine car wheel bearing support. 2,566,427, Sept. 4.
Ramsey, Guy Newton, Kans. Holder for hooks and trolleys. 2,566,962, Sept. 4.
Rapisarda, Joseph F., Cleveland, Ohio. Foot support. 2,567,028, Sept. 4.
Rapp, Theodore, Los Angeles, Calif. Packaging machine. 2,566,677, Sept. 4.
Rathke, Harry C.: *See*—
Grupp, Alfred F., Rathke, Talan, and Watts.
Rathmann, Robert L., Tranquillity, Calif. Filter system. 2,566,633, Sept. 4.
Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Safety shutoff control system for gas burners. 2,566,372, Sept. 4.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Safety valve structure for fuel burners. 2,567,123, Sept. 4.

Raybestos-Manhattan, Inc., assignee: *See*—
De Laney, Disney R.

Raytheon Manufacturing Company, assignee: *See*—
Becker, Carl W.

Read, Harold L.: *See*—
Mills, Albert W., Furman, and Read.

Read Standard Corporation, assignee: *See*—
Kane, John.

Ready, David E., Berkeley, Calif. Garage turntable. 2,566,634, Sept. 4.

Recordgraph Corporation, assignee: *See*—
Steed, Edgar L.

Red Devil Tools, assignee: *See*—
Wyman, Guy. C.

Redding, Edward M., U. S. Navy. Fuel control system for turbojet engines. 2,566,373, Sept. 4.

Reddy, Margaret M., Chattanooga, Tenn. Millinery. 2,566,695, Sept. 4.

Redenback, Louis, Oxford, N. Y. Body supported portable tree-tapping machine. 2,566,464, Sept. 4.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch lever mounting. 2,566,374, Sept. 4.

Reger, Raymond, assignor to The Pierce Governor Company, Inc., Anderson, Ind. Maintained pressure snap switch. 2,566,534, Sept. 4.

Reinhardt, John P., Brooklyn, N. Y. Caster. 2,566,853, Sept. 4.

Renholts, Roy J., Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Method and mold for forming plastic insignia. 2,566,636, Sept. 4.

Repass, George E.: *See*—
Brown, Carl D., and Repass.

Research Corporation, assignee: *See*—
Wright, Forrest B.

Reser, Alva B., Long Beach, Calif. Baby bootee stretcher. 2,567,081, Sept. 4.

Revercomb, Joseph A., Hinton, Va. Leg and foot rest. 2,566,496, Sept. 4.

Rhodes, Thomas J., Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y. Extension control. 2,566,854, Sept. 4.

Ricardo & Co. Engineers (1927) Limited, assignee: *See*—
Holt, George A., and Brook.

Rice, Lee H., Council Bluffs, Iowa. Ground brake for roller skates. 2,566,747, Sept. 4.

Riegel, Glenn C., and D. J. Wright, assignors to Caterpillar Tractor Co., Peoria, Ill. Heat-treating apparatus. 2,566,678, Sept. 4.

Ringrose, Robert H., Mosman, New South Wales, Australia. Restraining wall decking. 2,566,748, Sept. 4.

Rinkhoff, Edward A., Belle Vernon, Pa. Pure smoke pipe. 2,566,906, Sept. 4.

Risley, Roger E., and P. B. Scharf, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio. Knife sharpener. 2,566,809, Sept. 4.

Ritcher, Bruno, Glen Ellyn, Ill. Expansible surgical needle. 2,566,499, Sept. 4.

Ritz, Francis U., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Platen adjusting means for typewriters. 2,566,963, Sept. 4.

Robbins, Frederick P., Highland Park, Ill. Paper clip board. 2,566,465, Sept. 4.

Roberts, Edward Y., Findlay, Ohio, assignor to Curtiss-Wright Corporation. Airfoil construction. 2,567,124, Sept. 4.

Roberts, Roy A., Phalanx, Ohio. Tuyère changing machine. 2,566,637, Sept. 4.

Robertson, Alastair, deceased, Monroe, by W. A. Robertson, executor, Ridgefield, Conn., assignor to General Electric Company. Mixer beater ejector. 2,566,907, Sept. 4.

Robertson, William A., executor: *See*—
Robertson, Alastair.

Rocklin, Samuel S., Washington, D. C. Support for prosthetic hands. 2,566,375, Sept. 4.

Rockoff, Edward, Denver, Colo., assignor to M. Levin, Cheyenne, Wyo. Wiener processing apparatus. 2,566,966, Sept. 4.

Ronstadt, Ruth M., Pennington, Ariz. Article of apparel. 2,566,706, Sept. 4.

Rose, Alfred G., assignor of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, and one-half to K. H. Nicholls, Freshford, England. Gun mounting. 2,566,855, Sept. 4.

Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rose, Alfred G.

Rose, Edward M., and R. W. Epps, Sanger, Calif. Packing box. 2,566,500, Sept. 4.

Rose, Ervin W., Hammond, Ind. Sprinkling device. 2,566,856, Sept. 4.

Rose, Samuel, assignor to Margon Corporation, Bayonne, N. J. Doll's eye. 2,566,995, Sept. 4.

Rothe, Walter F., Washington, D. C. Key identification means. 2,566,749, Sept. 4.

Rotner, Irving E., Spring Valley, N. Y. Headrest cover unit for dental chairs. 2,566,582, Sept. 4.

Roubal, Alexander J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vibrator. 2,566,317, Sept. 4.

Roxy Lawnshear Corporation, assignee: *See*—
Hansen, Wilbert H.

Ruch, Arthur, Chicago, Ill. Friction clutch mechanism. 2,567,125, Sept. 4.

Ruddy, Arlo W., Albany, assignor to Sterling Drug Inc., New York, N. Y. Quaternary ammonium salts of tertiary-aminoalkyl substituted phenylacetonitriles. 2,566,535, Sept. 4.

Ruscetta, Ralph A., Pittsfield, Mass., assignor to General Electric Company. Electrolytic capacitor. 2,566,908, Sept. 4.

Ryan, George R., Waukegan, and F. H. Young, Lake Bluff, assignors to Abbott Laboratories, North Chicago, Ill. Disposable ampulla syringe. 2,566,428, Sept. 4.

Safe Flight Instrument Corp., assignee: *See*—
Greene, Leonard M.

Safir, George, Norwalk, Conn., assignor to Safir Plan, Inc. Fastening tassels to robe sashes. 2,566,750, Sept. 4.

Safir Plan, Inc., assignee: *See*—
Safir, George

Salt, Francis E.: *See*—
Higbet, Hugh C., and Salt.

Samaras, Nicholas N. T., Monson, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Aluminum articles coated with heat-sealable composition. 2,566,536, Sept. 4.

San Cristóval, Augusto, Lima, Peru. Razor blade sharpening device. 2,566,909, Sept. 4.

Sanders, Philip F., Lansdowne, Pa., assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del. Coated electrical conductor and making same. 2,567,162, Sept. 4.

Sands, Cora B., assignee: *See*—
Coumerilh, John W., and Lee.

Sauter, Alfred H., Riverside, assignor to H. W. Crane Company, Chicago, Ill. Throwout device for door operators. 2,567,029. Sept. 4.

Saville, Earl E.: *See*—
Scholz, Herman A., and Saville.

Sayko, Andrew F.: *See*—
Gessler, Albert M., and Sayko.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Automatic control for transfer molding presses. 2,566,857, Sept. 4.

Scarbrough, John D.: *See*—
Gora, John, and Scarbrough.

Scarth, Harold S., assignee: *See*—
Coulter, Hugh A.

Schaaf, Oliver H., Shaker Heights, assignor to Air-Maze Corporation, Cleveland, Ohio. Filter panel. 2,567,030, Sept. 4.

Schaefer Equipment Company, assignee: *See*—
Otterson, Oscar.

Schaffernak, Friedrich: *See*—
Abrahamczik, Ernst, Petrovicki, and Schaffernak.

Schaffner, Henri A. H. J., Paris, France. Optical system for dual beam motorcar headlights. 2,566,751, Sept. 4.

Scharf, Paul B.: *See*—
Risley, Roger E., and Scharf.

Scheel, John B., Washington, D. C. Apparatus for making plats. 2,566,910, Sept. 4.

Scheld, Walter T., Merced, Calif. Automobile bed. 2,566,996, Sept. 4.

Schering Corporation, assignee: *See*—
Papa, Domenick, and Sperber.

Schlytern, Charles E., Detroit, Mich. Overhead door. 2,567,031, Sept. 4.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Peroxide catalyzed polymerization of ethylene in the presence of a phenolic compound. 2,566,537, Sept. 4.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Peroxide catalyzed polymerisation of ethylene in the presence of an amino compound. 2,566,538, Sept. 4.

Schmidt, Edward G., Western Springs, assignor to Crane Co., Chicago, Ill. Rotary plug valve. 2,567,032, Sept. 4.

Schmidt, Thur, Chicago, Ill. Tank seam. 2,566,777, Sept. 4.

Scholz, Herman A., Evanston, and E. E. Saville, Palatine, assignors to United States Gypsum Company, Chicago, Ill. Fire-retardant paints. 2,566,964, Sept. 4.

Schomer, Hans O.: *See*—
Taylor, Joseph H., and Schomer.

Schroeder, Herman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing 4,4'-nitrophenyl benzoic acid. 2,567,126, Sept. 4.

Schulman, Solomon, New York, N. Y. Dispensing valve for surface coating mops, having a cord operated valve actuating lever. 2,566,429, Sept. 4.

Schuts, Harold R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Combined glass burn-off and transfer machine. 2,567,033, Sept. 4.

Schweickart, William M., Mentor, assignor to Speed Selector Inc., Cleveland, Ohio. Variable-speed drive. 2,566,997, Sept. 4.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Variable resistance. 2,566,911, Sept. 4.

Scovic, James M., assignor to The Dow Chemical Company, Midland, Mich. Separating a fraction of bensene hexachloride rich in the gamma isomer. 2,567,034, Sept. 4.

Sears, Richard E., Shaker Heights, assignor to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Quick detachable starter mount. 2,566,466, Sept. 4.

Sears, Roebuck and Co., assignee: *See*—
Cline, Truman H.
Hill, Stanley E.
Ives, Clifford E.

Sebring, Paul B., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy. Reverberation control of gain. 2,566,858, Sept. 4.

Seeler, Alvah I., Euclid, assignor to The Electric Products Company, Cleveland, Ohio. Accelerator pedal depressor. 2,566,859, Sept. 4.

Segal, Arthur, Springfield, Ill., assignor, by mesne assignments, to General Bronze Corporation. Dispensing valve. 2,566,860, Sept. 4.

Sendzimir, Tadeusz, and J. E. Eckert, assignors to Armsen Company, Middletown, Ohio. Rolling mill and lubrication method and means therefor. 2,566,679, Sept. 4.

Servel, Inc., assignee: *See*—
Compton, Wallace W., and Cooper.

Setka, Raymond P., assignor to Crane Co., Chicago, Ill. Valve actuating mechanism or the like. 2,567,035, Sept. 4.

Shannon, Jack F., Euclid, Ohio, assignor to Bailey Meter Company. Fluid-tight light transmitting apparatus. 2,567,036, Sept. 4.

Shaw, Harold F., Leominster, Mass. Comb. 2,566,965, Sept. 4.

Shell Development Company, assignee: *See*—
Calhoun, George H., and Allen.
Dannenberg, Hans.
Davies, Raymond G., and Noad.
Smith, Curtis W.
Straatman, Alphons G. H.
Whetstone, Richard R.

Shelton, Harry J., University City, Mo. Jaw crusher. 2,566,583, Sept. 4.

Shelton, Robert S., Mariemont, and C. H. Tilford, Silverton, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Beta-tertiary aminoethanol ethers of diaryl pyridyl carbinols. 2,566,376, Sept. 4.

Shemet, Alexander, assignee: *See*—
Bristol, Raymond M.

Shepherd, William G., St. Paul, Minn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reflex oscillator. 2,566,584, Sept. 4.

Sherwin-Williams Company, The, assignee: *See*—
Wakeford, Leslie E., and Hewitt.

Shoffner, Willie M., Dayton, Ohio. Extensible shaft. 2,567,127, Sept. 4.

Shoffner, Willie M., Dayton, Ohio. Portable power unit. 2,567,128, Sept. 4.

Shoffner, Willie M., Dayton, Ohio. Metal-cutting shears. 2,567,129, Sept. 4.

Shook, Florain J.: *See*—
Frazier, Larry C., and Shook.

Shoults, Clyde A., and G. G. Walker, Fort Worth, Tex., assignors of one-third to C. A. Brictson, Chicago, Ill. Wear pad. 2,566,638, Sept. 4.

Shreve, James H., Mayodan, assignor to Washington Mills Company, Winston-Salem, N. C. Cutting machine. 2,566,639, Sept. 4.

Shuster, Elinor B., Minneapolis, Minn. Baby blanket combination. 2,567,082, Sept. 4.

Simmons Company, assignee: *See*—
Travis, Don Carlos.

Simons, Joseph H.: *See*—
Diesslin, Albert R., Kauck, and Simons.

Sinclair, Frank E., Endwell, N. Y., assignor to Joy Manufacturing Company. Pressure fluid motor. 2,566,377, Sept. 4.

Skilsaw, Inc., assignee: *See*—
Benjamin, Allen.

Skinner, Barney L., New Orleans, La. Flush cutting portable power-driven saw. 2,566,778, Sept. 4.

Slagh, Harold R.: *See*—
Britton, Edgar C., and Slagh.

Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.
Cunningham, James M., and Smith.

Smith, Clifton E., Wyandotte, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkyl aryl sulfonate-carboxymethylcellulose-alkaline salt detergent composition. 2,566,501, Sept. 4.

Smith, Clyde J., assignee: *See*—
Wemp, Ernest E.

Smith, Curtis W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Sulfoacetic acid anhydrides and their preparation. 2,566,810, Sept. 4.

Smith, Francis H., Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Water-dispersible pastes of gas fume fading inhibitors for acetate silk dyes. 2,567,130, Sept. 4.

Smith, George R., Modesto, Calif. Combination window and Venetian blind. 2,566,640, Sept. 4.

Smith, Harry J.: *See*—
Dietrich, Cornelius F., and Smith.

Smith, Herman W.: *See*—
Jackson, Clifford C., and Smith.

Smith, J. Floyd, Glendale, Calif. Parachute construction. 2,566,585, Sept. 4.

Smith, J. Warren, assignee: *See*—
Miller, Hugh A.

Smith, John J., assignor to Mueller Co., Decatur, Ill. Corporation stop and installing. 2,566,502, Sept. 4.

Smith, Kline & French Laboratories, assignee: *See*—
Aschner, Thomas C.

Smith, Leah K., assignee: *See*—
Wemp, Ernest E.

Smith, Paul V., Jr.: *See*—
Morway, Arnold J., and Smith.

Smith, William F.: *See*—
Berggren, Lloyd E., Gille, and Smith.

Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., The Hague, Netherlands. Light producing method and apparatus. 2,567,037, Sept. 4.

Smitsvonk N. V., assignee: *See*—
Smits, Wytze B.

Smyser, Elmer D., Torrance, Calif. Flow indicator. 2,566,680, Sept. 4.

Snap-On Tools Corporation, assignee: *See*—
Walraven, George M., and Knudsen.

Snead, Edwin B., Austin, Tex. Road grading machine. 2,566,641, Sept. 4.

Snyder, George H., Toledo, Ohio. Device for squeesing and storing collapsible tubes comprising a hollow casing with rollers therein. 2,566,503, Sept. 4.

Sobers, Winfield B., Milwaukee, Wis., assignor to Precision Scientific Company, Chicago, Ill. Support for laboratory filtering apparatus or the like. 2,566,430, Sept. 4.

Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., assignee: *See*—
Levy, René L.

Société d'Optique & de Mecanique de Haute Precision, assignee: *See*—
Cuvillier, Roger H. R.

Societe Electro-Mecanique de l'Aveyron S. A., assignee: *See*—
Bessière, Pierre E.

Societe Francaise des Charbonnages du Tonkin, assignee: *See*—
Bauchesne, Paul, and Deville.

Société Nationale De Constructions Aeronautiques du Sud-Est, assignee: *See*—
Lecarme, Jacques.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hartough, Howard D.

Soell, Frederick E., Estondale, Mass. Candy bar forming machine. 2,566,586, Sept. 4.

Soler, Capdevila, Antonio, Barcelona, Spain. Secret or combination lock. 2,566,967, Sept. 4.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Alarm apparatus for hot journal bearings and like hazards. 2,566,968, Sept. 4.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Power supply means. 2,566,969, Sept. 4.

Soss, Charles J., Bloomfield Hills, assignor to Soss Manufacturing Company, Detroit, Mich. Olive knuckle butt hinge. 2,566,504, Sept. 4.

Soss Manufacturing Company, assignee: *See*—
Soss, Charles J.

Specialties Development Corporation, assignee: *See*—
Frese, Carl W.
Joerren, Ernest A.

Speed Selector Inc., assignee: *See*—
Schweickart, William M.

Speier, John L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon polymers. 2,567,131, Sept. 4.

Sperber, Nathan: *See*—
Papa, Domenick, and Sperber.

Spero, George B.: *See*—
Levin, Robert H., McIntosh, and Spero.

Springfield Tent & Awning Company, The, assignee: *See*—
McCoy, Frank V.

Srygley, Harry W., Abilene, Tex. Protective attachment for safes. 2,566,587, Sept. 4.

Staatsbedrijf Der Posterijen, Telegrafie En Telefonie, assignee: *See*—
De Vries, Willem C.

Stabelan Chemical Company, assignee: *See*—
Chaban, Charles J.

Staley, Austin L., Fox Chapel, assignor to Universal Lubricating Systems, Inc., Oakmont, Pa. Manufacture of lubrication fittings. 2,566,505, Sept. 4.

Standard Car Truck Company, assignee: *See*—
Leese, Charles P.

Standard Conveyor Company, assignee: *See*—
Holm, Roy F.

Standard Oil Company, The, assignee: *See*—
Bartleson, John D., and Lankelma.

Standard Oil Company, assignee: *See*—
Irwin, Ernest R.
Livesay, Patty C.

Standard Oil Development Company, assignee: *See*—
Gessler, Albert M., and Sayko.
Green, Arthur D., Ohsol, and Kittleson.
Morgan, Jerome P.
Morway, Arnold J., and Smith.
Stone, Albert L.
Stanley, Lester N.: *See*—
Von Glahn, William H., and Stanley.
Starkey, William C., deceased, Indianapolis, Ind.; Fletcher Trust Company, executor of said W. C. Starkey. Spring type clutch. 2,566,539, Sept. 4.
Stator Company, assignee: *See*—
Whitney, Lyman F.
Staudinger, Johann J. P.: *See*—
Hutchinson, Henry M., and Staudinger.
Steed, Edgar L., Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation. Latch operated positive clutch. 2,566,540, Sept. 4.
Steiding, John B., Midland, and F. F. Sutherland, Cumberland, Md., assignors to Celanese Corporation of America. Fluid treating yarn cakes by radial liquid flow. 2,566,431, Sept. 4.
Stephenson, Thomas W.: *See*—
Holland, Robert H., and Stephenson.
Sterling Drug Inc., assignee: *See*—
Ruddy, Arlo W.
Stern, George, assignor to American Electro Metal Corporation, Yonkers, N. Y. Producing a ferrous metal article infiltrated with a cuprous infiltrant. 2,566,752, Sept. 4.
Stevens, Jesse W., Upland, D. E. Pritchett, and W. E. Baier, Ontario, assignors to California Fruit Growers Exchange, Los Angeles, Calif. Drying fruit juices. 2,567,038, Sept. 4.
Stevens, Joseph R.: *See*—
Gardiner, John H., and Stevens.
Stevenson, Gustie, Philadelphia, Pa., assignor to F. J. Stokes Machine Company. Doctor blade pressure control system and method. 2,566,811, Sept. 4.
Stewart, Francis E.: *See*—
Blackinton, Roswell J., and Stewart.
Stewart, Robert G., assignor to Curlette, Inc., Los Angeles, Calif. Bed for game utilizing glidable objects. 2,566,681, Sept. 4.
Stickle, Fred H., Cleveland Heights, Ohio. Toy crane. 2,567,063, Sept. 4.
Stilmar, Frederic B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Antraquinone carbonyl hydrazines. 2,567,132, Sept. 4.
Stokes, F. J., Machine Company, assignee: *See*—
Stevenson, Gustie.
Stokes, Stanley A., assignor, by mesne assignments, to Termite Drills, Inc., Pasadena, Calif. Bit. 2,567,084, Sept. 4.
Stoloff, Leonard S., New Bedford, Mass., assignor of one-half to Merck & Co., Inc., Rahway, N. J., and one-half to Krim-Ko Corporation, Chicago, Ill. Preservation of foodstuffs. 2,567,085, Sept. 4.
Stoltz, James F., La Grange, Ill., assignor to The Brush Development Company, Cleveland, Ohio. Apparatus for synchronizing film with sound tape. 2,567,086, Sept. 4.
Stone, Albert L., Redondo Beach, Calif., asignor, by mesne assignments, Standard Oil Development Company, Elizabeth, N. J. Impact tong and spinner. 2,566,999, Sept. 4.
Stone, Albert L., Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Tong assembly. 2,567,039, Sept. 4.
Stone, Irwin: *See*—
Wallerstein, Leon, and Stone.
Stotenbur, Ralph H., Pittsfield, Mass., assignor to General Electric Company. Strain relief device. 2,566,912, Sept. 4.
Stouten Edwin A.: *See*—
Black, James A., and Stouten.
Straatman, Alphons G. H., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Drilling weight control system. 2,566,812, Sept. 4.
Strickman, Samuel W., Kew Gardens, N. Y., assignor of one-fourth to C. E. Bloom, Glen Ridge, N. J. and one-fourth to H. C. Bierman, New Rochelle, N. Y. Bucky grid and making same. 2,566,998, Sept. 4.
Strong, Earl G., Milan, Ohio. Ball return means for bowling alleys. 2,566,379, Sept. 4.
Studeny, John: *See*—
Landes, Chester G., and Studeny.
Studeny, John, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Starch composition. 2,566,861, Sept. 4.
Studeny, John, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Starch composition. 2,566,862, Sept. 4.
Studley, Clarence K., Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Decimal indicator. 2,567,133, Sept. 4.
Stuivenberg, Cornelis H., Haarlem, Netherlands. Printing machine controlled by symbol cards. 2,567,134, Sept. 4.
Sturdivant, William F.: *See*—
Phippe, John T.
Sturgis, Bernard M., Pitman, N. J., and A. A. Baum, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of butadiene copolymer rubbers. 2,567,135, Sept. 4.
Stutzke, Robert E., assignor to B. F. Avery & Sons Company, Louisville, Ky. Adjustable limit control for tractor lift shafts. 2,566,779, Sept. 4.
Sugar Research Foundation, Inc., assignee: *See*—
Docal, Gonzalo C.
Sutherland, Frederick F.: *See*—
Steiding, John B., and Sutherland.
Sutherland, James L.: *See*—
Beckwith, Gertrude H., and Sutherland.
Sutton, O. A., Corporation, Inc., The, assignee: *See*—
Sutton, Ottis A.
Sutton, Ottis A., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans. Heater fan. 2,567,087, Sept. 4.
Svenson, Ernest J., Rockford, assignor, by mesne assignments, to Odin Corporation, Chicago, Ill. Variable pressure fluid control circuit. 2,566,380, Sept. 4.
Svenson, Ernest J., Rockford, assignor to Odin Corporation, Chicago, Ill. Accumulator system and control. 2,566,381, Sept. 4.
Sweet, Leon A., and E. W. Tillitson, Grosse Pointe, assignors to Parke, Davis & Company, Detroit, Mich. Arsenical compounds and obtaining the same. 2,566,382, Sept. 4.
Sweetman, William G., Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex. Mechanism for detonating explosives. 2,566,682, Sept. 4.
Swensson, Sven O., Vasteras, Sweden. Expansion gauge. 2,566,970, Sept. 4.
Swift Electric Welder Company, assignee: *See*—
Lewis, Alfred H.
Sylvania Electric Products Inc., assignee: *See*—
Fine, Harold D., and Barker.
Keilholtz, Gerald W., and Bergin.
Mager, Eric L.
Symmes, Whitman, Kellogg, Idaho. Stripping cathode. 2,566,467, Sept. 4.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Cathode-ray beam deflection circuit. 2,566,432, Sept. 4.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television system. 2,566,707, Sept. 4.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,567,040, Sept. 4.
Tack, Carl E., and W. A. Helsten, assignors to American Steel Foundries, Chicago, Ill. Rotor brake. 2,567,157, Sept. 4.
Talan, Elwood S.: *See*—
Grupp, Alfred F., Rathke, Talan, and Watts.
Talon, Inc., assignee: *See*—
Krihwan, Julius O.
Tarrant, Paul: *See*—
Padbury, John J., and Tarrant.
Taurman, Alphonso, Birmingham, Ala. Window. 2,566,433, Sept. 4.
Taylerson, Ewart S., Pittsburgh, Pa., assignor to United States Steel Company. Treating electrolytic coatings. 2,566,468, Sept. 4.
Taylor, Joseph H., and H. O. Schomer, Minneapolis, Minn. Stocking run mender. 2,566,780, Sept. 4.
Tea, Clark A., Detroit, and P. F. Aschman, Highland Park, assignors to The Murray Corporation of America, Detroit, Mich. Antisiphoning spray tube. 2,566,469, Sept. 4.
Teasel, Chester C., Plymouth, assignor to National Foundry Sand Company, Detroit, Mich. Refractory material and making. 2,567,088, Sept. 4.
Technicolor Motion Picture Corporation, assignee: *See*—
Bennes, Charles D.
Termite Drills, Inc., assignee: *See*—
Stokes, Stanley A.
Tetzlaff, Benjamin A., deceased, Riverside; by R. W. Tetzlaff, La Grange, C. C. Tetzlaff, Hinsdale, and L. B. Tetzlaff, Riverside, Ill., executors. Spray device. 2,566,781, Sept. 4.
Tetzlaff, Clarence C., executor: *See*—
Tetzlaff, Benjamin A.
Tetzlaff, Lillian B., executor: *See*—
Tetzlaff, Benjamin A.
Tetzlaff, Ralph W., executor: *See*—
Tetzlaff, Benjamin A.
Texaco Development Corporation, assignee: *See*—
Garrison, Allen D.
Texas Company, The, assignee: *See*—
Crumrine, Kenneth C.
Thad, Theodore D., Chicago, Ill., assignor to M. Weintraub, Newport, Ky. Ruling control system for recorders. 2,567,158, Sept. 4.
Thexton Manufacturing Company, assignee: *See*—
Worel, Glen J.
Thiessen, Gustav, Henderson, Nebr. Irrigation well cooling system. 2,566,506, Sept. 4.
Thomas, Arthur W., Los Angeles, Calif. Door lock. 2,566,470, Sept. 4.
Thomas, Raymond E.: *See*—
Clemens, Harold S., and Thomas.

Thomas, Thomas H., assignor to Bendix Aviation Corporation, South Bend, Ind. Vacuum motor for clutches. 2,566,642, Sept. 4.
Thompson, Parke H., Kirkwood, Mo., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill. Beverage dispenser with control setting indicator. 2,566,588, Sept. 4.
Thompson Products, Inc., assignee: *See*—
Bodensieck, Ernst J.
Britton, Karl B.
Jacobus, Harland E.
Thompson, William F., Salina, Kans. Screw-holding screw driver. 2,566,683, Sept. 4.
Thorsen, Ole I., Inglewood, Calif., assignor to Wright Aeronautical Corporation. Ice warning indicator. 2,566,813, Sept. 4.
Tiedeman, Robert K.: *See*—
Mergen, Joseph M., and Tiedeman.
Tilford, Charles H.: *See*—
Shelton, Robert S., and Tilford.
Tillitson, Edward W.: *See*—
Sweet, Leon A., and Tillitson.
Tillitson, Edward W., Grosse Pointe, assignor to Parke, Davis & Company, Detroit, Mich. Arsenical compounds and obtaining the same. 2,566,383, Sept. 4.
Tilton, Joseph M., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Self-sealing article. 2,566,384, Sept. 4.
Time, Inc., assignee: *See*—
Bishop, Nathaniel.
Tinnerman Products, Inc., assignee: *See*—
Hartman, Richard A.
Tobias, Cornelius A., Walnut Creek, Calif., assignor to United States of America as represented by the United States Atomic Energy Commission. Segmented ionization chamber. 2,566,684, Sept. 4.
Tompkins, Richard R., assignee: *See*—
Laschke, Harry W.
Tooley, Fay V., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for forming fibers. 2,566,643, Sept. 4.
Toth, John J., Wilmington, Del., and R. B. Lewis, Chester, Vt. Cutter for glass tubes, ampoules, and the like. 2,566,434, Sept. 4.
Touton, Rush D., Wynnewood, assignor to Wurton Machine Company, Philadelphia, Pa. Treating tobacco. 2,566,589, Sept. 4.
Towns, Mirabeau C., Jr., Sparta, N. J. Hairpin. 2,566,782, Sept. 4.
Trans-Lux Corporation, assignee: *See*—
Weller, Frank E.
Traum, David, Company, Incorporated, assignee: *See*—
Booth, Herbert G.
Travis, Don C., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead corner lock. 2,566,541, Sept. 4.
Trevaskis, Henry, Solihull, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Electrically operated device for the control of fluid pressure servomotors. 2,566,708, Sept. 4.
Trimmer, George E., San Francisco, Calif. Dual tire gauge. 2,566,435, Sept. 4.
Tripi, Anthony, assignee: *See*—
Trippi, Joseph.
Trippi, Joseph, Cleveland Heights, assignor of one-third to R. Manlet and one-third to A. Tripi, Cleveland, Ohio. Gun sight. 2,566,590, Sept. 4.
Turbo Engineering Corporation, assignee: *See*—
Birmann, Rudolph.
Tvrzicky, Francis, Chicago, Ill. Micrometer caliper. 2,566,685, Sept. 4.
Union Carbide and Carbon Corporation, assignee: *See*—
Hoaglin, Raymond L., and Hirsh.
Livengood, Samuel M.
Union Switch and Signal Company, The, assignee: *See*—
Broadbent, John H.
Sorensen, Andrew J.
Union Totalisator Company Limited, The, assignee: *See*—
Handley, John.
United Aircraft Corporation, assignee: *See*—
Horton, Roger F.
Poole, David M.
United Shoe Machinery Corporation, assignee: *See*—
Parrelli, Benjamin F.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Carignan, Charles J.
Huffman, Eugene H., and Beaufait.
Tobias, Cornelius A.
United States Gypsum Company, assignee: *See*—
Scholz, Herman A., and Saville.
United States Plywood Corporation, assignee: *See*—
Anderson, George W.
United States Rubber Company, assignee: *See*—
Hurt, Victor H.
Rhodes, Thomas J.
U. S. Slicing Machine Company, Inc., assignee: *See*—
Lubberhuizen, Jan W.
United States Steel Company, assignee: *See*—
Taylerson, Ewart S.
Universal Lubricating Systems, Inc., assignee: *See*—
Staley, Austin L.
Universal Oil Products Company, assignee: *See*—
Danforth, Joseph D.
Haensel, Vladimir.
Kassel, Louis S.
Schmerling, Louis.
Upjohn Company, The, assignee: *See*—
Levin, Robert H., McIntosh, and Spero.
Ott, Arnold C.
Vaida, Theodore F., High Bridge, N. J. Spirit level. 2,566,542, Sept. 4.
Van Allan, James A.: *See*—
Allen, Charles F. H., and Van Allan.
Van Buren, John, Brooklyn, N. Y., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Machine for cutting and spacing soap cakes. 2,567,041, Sept. 4.
Van den Bergh's en Jurgens' Fabrieken N. V., assignee: *See*—
Weber, Anton P. and F. A.
Van Der Auwera, Laurent A.: *See*—
Van Dormael, André E., and Van Der Auwera.
Van der Togt, Jan, assignor to Vennootschap onder de firma Tomado, Zwijndrecht, Netherlands. Manufacture of metal baskets. 2,566,644, Sept. 4.
Van Dormael, André E., Heverlee-Louvain, and L. A. Van Der Auwera, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Colored photographic layers and their manufacture. 2,566,814, Sept. 4.
Van Dusen, Charles H., Jr., Willoughby, Ohio, and O. E. Weissenborn, Verona, N. J., assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio. Impregnated pencil lead. 2,566,753, Sept. 4.
Van Dusen, Charles H., Jr., Willoughby, Ohio, and O. E. Weissenborn, Verona, N. J., assignors to Addressograph-Multigraph Corporation, Wilmington, Del. Composition for a pencil lead. 2,566,754, Sept. 4.
Van Patten, Ernest W., McLean, Va. Packaged unit for article handling. 2,566,385, Sept. 4.
Van Urk, Arend T., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coil system for measuring instruments with nonlinear scales. 2,566,783, Sept. 4.
Vaponefrin Company, assignee: *See*—
Miller, Hugh A.
Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J., and Johnson.
Varian, Russell H., Garden City, N. Y., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Frequency and direction selective high-frequency transmission line apparatus. 2,566,386, Sept. 4.
Vaughn, Thomas H.: *See*—
Smith, Clifton E., and Vaughn.
Vennootschap onder de firma Tomado, assignee: *See*—
Van der Togt, Jan.
Vick, Millard, Portsmouth, Va. Bicycle seat height adjuster. 2,566,387, Sept. 4.
Vigneri, Giuseppe, Hoboken, N. J. Mechanical motor. 2,566,755, Sept. 4.
Vitalis, Emil A., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Wetting and detergent composition. 2,567,159, Sept. 4.
Vlček, Alois, Frystak, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Last for rubber footwear. 2,566,686, Sept. 4.
Vloeberghs, Antoine, Antwerp, Belgium. Agglomerates of fuel and manufacture process. 2,567,136, Sept. 4.
Vogelsang, George K.: *See*—
Novotny, Ernest E., and Vogelsang.
Voigt, Herbert L., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis. Load retaining means for industrial vehicles. 2,566,863, Sept. 4.
Von Glahn, William H., Loudonville, and L. N. Stanley, Delmar, assignors to General Aniline & Film Corporation, New York, N. Y. Diazotype photoprinting materials containing colloidal silica. 2,566,709, Sept. 4.
Waff, Howard J., Jr., Norfolk, Va. Ventilator damper control. 2,566,784, Sept. 4.
Waggoner, John E., South San Francisco, Calif. Fly hook holder. 2,566,388, Sept. 4.
Wahl Brothers, assignee: *See*—
Wahl, Nicholas A.
Wahl, Nicholas A., assignor to Wahl Brothers, New York, N. Y. Separable fastener. 2,567,160, Sept. 4.
Waite, Charles C., Jersey City, N. J., assignor, by mesne assignments, to Cleveland-Detroit Corporation. Beverage dispensing machine. 2,566,436, Sept. 4.
Waitkens, Frank: *See*—
Andrew, Charles, and Waitkens.
Wakeford, Leslie E., and D. H. Hewitt, deceased, London, England; E. Booth and R. H. Buckle, executors of said D. H. Hewitt, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio. Interpolymerization of styrene and frosting drying oil in presence of monocyclic alpha-terpene. 2,567,137, Sept. 4.
Walk, Udell C., U. S. Navy, Carmel, Calif. Ordnance sight. 2,566,389, Sept. 4.
Walker, George G.: *See*—
Shoults, Clyde A., and Walker.
Walker Wire Company, assignee: *See*—
Jackson, A. O. and C. L.

Wallace, David A., Grosse Pointe Farms, assignor to Chrysler Corporation, Highland Park, Mich. Apparatus for polishing continuous strip metal. 2,567,163, Sept. 4.

Wallerstein Company, Inc., assignee: *See*—
Wallerstein, Leo, and Stone.

Wallerstein, Leo, and I. Stone, assignors to Wallerstein Company, Inc., New York, N. Y. Production of dextrose. 2,567,000, Sept. 4.

Walraven, George M., and R. G. Knudsen, assignors to Snap-On Tools Corporation, Kenosha, Wis. Cylinder sleeve puller. 2,566,507, Sept. 4.

Walsh, Thomas P., Garrett, Ind. Dispenser. 2,567,089, Sept. 4.

Wängsjö, Hans J. U.: *See*—
Dahn, David, and Wängsjö.

Ward Leonard Electric Company, assignee: *See*—
Bastian, Arthur L.

Warmann, Roland E., Pershing, Mo. Breaching and butting control for cattle. 2,566,437, Sept. 4.

Warne, Eugene H.: *See*—
Lawrence, Owen N., and Warne.

Warner, Homer C., assignor to The Lees-Bradner Company, Cleveland, Ohio. Finishing machine. 2,567,090, Sept. 4.

Warwal Corporation, assignee: *See*—
Jensen, Ralph L.

Washington Mills Company, assignee: *See*—
Shreve, James H.

Watson, George R., Waukegan, Ill. Cable drilling tool. 2,566,913, Sept. 4.

Watson, Jeannette K., New Canaan, Conn., assignor to International Business Machines Corporation, New York, N. Y. Remote control apparatus for typewriting machines. 2,566,971, Sept. 4.

Watson, Thomas E., Tewksbury, Mass. Drop wire. 2,566,971, Sept. 4.

Watson, Thomas E., La Canada, Calif. Hypodermic syringe. 2,567,001, Sept. 4.

Watson, W., & Sons Limited, assignee: *See*—
Hopkins, Harold H.

Watts, Elmore: *See*—
Gropp, Alfred F., Rathke, Talan, and Watts.

Weber, Anton P., Wageningen, and F. A. Weber, by A. Koerts, administrator, The Hague, assignors to Van den Bergh's en Jurgens' Fabrieken N. V., Rotterdam, Netherlands. Making seamless capsules. 2,566,645, Sept. 4.

Weber, Frank A.: *See*—
Weber, Anton P., and F. A.

Weber, Matt J., Jr., Chicago, Ill. Self-propelled rocket launcher. 2,566,390, Sept. 4.

Weglarz, Edward, Cicero, Ill. Tappet adjusting tool. 2,566,543, Sept. 4.

Wehby, Charles T., Cincinnati, Ohio. Stethoscope head with tongue depressor. 2,566,687, Sept. 4.

Weiland, Edward A., Garfield Heights, assignor to The Hoover Company, North Canton, Ohio. Electric iron. 2,567,138, Sept. 4.

Weintraub, Morris, assignee: *See*—
Thad, Theodore D.

Weissenborn, Oscar E.: *See*—
Van Dusen, Charles H., Jr., and Weissenborn.

Weller, Frank E., Bloomfield, N. J., assignor to Trans-Lux Corporation, New York, N. Y. Projection display apparatus. 2,566,710, Sept. 4.

Wells, Richard H., Mount Lebanon, and C. C. Hein, Wilkinsburg, Pa. Display device for weighing apparatus. 2,566,711, Sept. 4.

Wemp, Eleanor, M., assignee: *See*—
Wemp, Ernest E.

Wemp, Ernest E., Detroit, Mich., assignor of five per cent to E. M. Wemp, Los Angeles, Calif., five per cent to C. J. Smith, five per cent to L.-K. Smith, and twenty per cent to L. A. Wemp, Detroit, Mich. Transmission and control. 2,567,042, Sept. 4.

Wemp, Ernest E., Detroit, Mich. Transmission and clutch control. 2,567,043, Sept. 4.

Wemp, Lila A., assignee: *See*—
Wemp, Ernest E.

Wens, Harry G., Bronx, N. Y. Star clock. 2,567,139, Sept. 4.

Wertman, David, Mount Rainier, and R. K. Bole, Bethesda, Md. Automatic hoist control. 2,566,391, Sept. 4.

West, Maxwell A., Portland, Oreg. Multiple grooved nail file. 2,566,688, Sept. 4.

West Bend Aluminum Co., assignee: *See*—
Heidner, Richard C.

Western Electric Company, Incorporated, assignee: *See*—
Martin, Samuel M.

Western States Lacquer Corporation, assignee: *See*—
Blackinton, Roswell J., and Stewart.

Wettstein, Albert: *See*—
Meystre, Charles, Plattner, and Wettstein.

Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Displaceable target game. 2,567,002, Sept. 4.

Wheeler, John N., Hawthorne, assignor to International Business Machines Corporation, New York, N. Y. System for analyzing code perforations. 2,566,972, Sept. 4.

Wheeler, Ben W., Killeen, Tex.: Crankshaft construction. 2,566,785, Sept. 4.

Whetstone, Richard R., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Epoxyhexenylidene imines and insecticidal compositions thereof. 2,566,815, Sept. 4.

Whitaker Cable Corporation, assignee: *See*—
Whitaker, Jack P.

Whitaker, Jack P., Kansas City, assignor to Whitaker Cable Corporation, North Kansas City, Mo. Combination battery terminal and cable and producing the same. 2,566,646, Sept. 4.

Whiting, William A., Long Beach, assignor to American Pipe and Construction Co., Los Angeles, Calif. Making reinforced concrete pipe. 2,566,689, Sept. 4.

Whitnah, Ronald L., and E. H. McKeehan, St. Louis, Mo. Culinary utensil. 2,567,091, Sept. 4.

Whitney, Lyman F., Cambridge, Mass., assignor, by mesne assignments, to Stator Company. Multiple stage ejector in refrigeration system. 2,566,864, Sept. 4.

Wideman, Ewell F., Wetumpka, Ala. Air brake bleeder. 2,566,472, Sept. 4.

Wiggins, Glenn C.: *See*—
Pelton, Earl L., Wiggins, and Corbett.

Wilkins, David, Jr.: *See*—
Wilkins, John A., and D. Wilkins, Jr.

Wilkins, John A., and D. Wilkins, Jr., New York, N. Y. Spray gun. 2,566,392, Sept. 4.

Williams, Alfred L. W., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Magnetic recorder-reproducer device of the disk type. 2,567,092, Sept. 4.

Wills, Walter P.: *See*—
Barnes, George W., Jr., Johnson, and Wills.

Wilson, Benjamin S., Akron, Ohio. Snow melting apparatus. 2,566,473, Sept. 4.

Wilson, Donald L.: *See*—
Carpenter, Albert S., and Wilson.

Wilson, William W., Los Angeles, Calif. Safety latch for elevators. 2,567,044, Sept. 4.

Wingerter, Ralph, Akron, Ohio. Portable refrigerator. 2,566,865, Sept. 4.

Wiseman, Oscar Z., Altadena, Calif. Sorting machine. 2,566,756, Sept. 4.

Wissman, Nat, Dallas, Tex. Combination fishing rod and container. 2,566,647, Sept. 4.

Wolf, Paul A.: *See*—
Coleman, Gerald H., and Wolf.

Wolfe, Orrin J., Bellingham, Wash. Cantilevered trailer wheel suspension. 2,566,393, Sept. 4.

Wolff, Robert L.: *See*—
Khouri, Alfred S., and Wolff.

Woodbury, Linna L., Kansas City, Mo. Venetian blind tape protector. 2,566,474, Sept. 4.

Woolfolk, Elkin O.: *See*—
Orchin, Milton, and Woolfolk.

Worel, Glen J., assignor to Thexton Manufacturing Company, Minneapolis, Minn. Piston expander-shell drive-in type. 2,566,591, Sept. 4.

Work, Worth H., Portland, Oreg. Expansible plug closure. 2,566,816, Sept. 4.

Worsham, Irvin L., assignor of one-third to R. L. Cochran, North Little Rock, and one-third to A. L. Barber, Little Rock, Ark. Protecting device for electric circuits. 2,566,648, Sept. 4.

Worst, Joseph C., Trenton, N. J., assignor to General Electric Company. Single bowl coffee maker with spring-biased coffee basket. 2,566,914, Sept. 4.

Wottring, Lee R., Altadena, Calif. Vision plotting device. 2,567,003, Sept. 4.

Wright Aeronautical Corporation, assignee: *See*—
Berggren, Lloyd E., Gille, and Smith.
Thorsen, Ole I.

Wright, Dale J.: *See*—
Riegel, Glen C., and Wright.

Wright, Forrest B., Ithaca, assignor, by mesne assignments, to Research Corporation, New York N. Y. Mechanical egg washer with rotating disks. 2,566,475, Sept. 4.

Wright, Richard C., Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Shear pin. 2,566,690, Sept. 4.

Wurton Machine Company, assignee: *See*—
Touton, Rush D.

Wyandotte Chemicals Corporation, assignee: *See*—
Smith, Clifton E., and Vaughn.

Wybrants, Adel, assignee: *See*—
Nissenbaum, Moses D.

Wybrants, Wade M., assignee: *See*—
Nissenbaum, Moses D.

Wybrants, William, assignee: *See*—
Nissenbaum, Moses D.

Wyman, Guy C., Chatham, assignor to Red Devil Tools, Irvington, N. J. Glass cutter wheel head. 2,566,544, Sept. 4.

Yake, David J., Lambertville, N. J. Rope winding machine. 2,566,973, Sept. 4.

Yankee Metal Products Corporation, assignee: *See*—
Daon, Rene.

Yarrick, Charles J., West Collingswood, N. J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Undervoltage trip and lockout. 2,566,866, Sept. 4.

Yellin, Edward, assignor, by mesne assignments, to Leader Electric Company, Chicago, Ill. Mold for making plastic grids. 2,566,817, Sept. 4.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Hinge construction for electric heating devices. 2,566,915, Sept. 4.

Young, Allan M., Meriden, Conn., assignor to General Electric Company. Side-by-side coffee maker. 2,566,916, Sept. 4.

Young, Ferdinand H.: *See*—
Ryan, George R., and Young.

Zaccard, Raymond T., Chicago, Ill. Combined quiver and sheath. 2,566,786, Sept. 4.

Zaiger, Louis: *See*—
Lappin, Robert I., and Zaiger.

Zeidler, Howard M., assignor to Hewlett-Packard Company, Palo, Alto, Calif. Amplifier network. 2,566,508, Sept. 4.

Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,566,394, Sept. 4.

Zeilweger A. G. Apparate-und Maschinenfabriken Uster, assignee: *See*—
Grob, Oskar.

Zeun, Louis H., assignor to Peter Paul, Inc., Naugatuck, Conn. Machine for depositing nuts on candy bars. 2,566,712, Sept. 4.

Zevely, Thomas K., Washington, D. C., assignor, by mesne assignments, to Besser Manufacturing Co., Alpena, Mich. Stripping mechanism for block molding machines. 2,566,787, Sept. 4.

Zitkowski, Herman E., Denver, Colo. Stone catcher. 2,566,395, Sept. 4.

Zozulin, Igor: *See*—
Okulitch, George J., and Zozulin.

Zuhn, Arthur A., East Peoria, assignor to Caterpillar Tractor Co., Peoria, Ill. Engine balancer. 2,566,476, Sept. 4.

Zworykin, Vladimir K., Princeton, N. J., assignor to Radio Corporation of America. Color television. 2,566,713, Sept. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake holder system. D. C. Wiseley. Re. 23,408, Sept. 4.
Detecting presence and movement of bodies. J. L. Barker. Re. 23,403, Sept. 4.
Nitro-(2'-thenoyl)-alkyl benzoates. E. K. Gladding. Re. 23,405, Sept. 4.
Nitro-(2-thenoyl)-O-benzoic acids. H. R. Lee and V. Weinmayr. Re. 23,406, Sept. 4.
Plug and receptacle construction. C. Miller. Re. 23,407, Sept. 4.
Reaction of organic compounds with hydrogen halides. A. I. Gebhart. Re. 23,404, Sept. 4.

LIST OF DESIGN INVENTIONS

Album, Photograph. H. and B. Orzechowski. 164,441, Sept. 4.
Alphabet for forming monograms or the like. M. Caplan. 164,401, Sept. 4.
Ash tray. M. E. Gerlat. 164,414, Sept. 4.
Attachment for bottles, Order holding. G. H. Lawhorn. 164,430, Sept. 4.
Bank, Coin. O. H. Brasier. 164,400, Sept. 4.
Bottle or the like, Perfume. P. E. Roehrich. 164,449, Sept. 4.
Bowl, Sugar. R. G. Cowan. 164,406, Sept. 4.
Bracket, Automobile visor roof mount. R. E. Dieterich. 164,410, Sept. 4.
Cabinet, Heater. S. J. Price, Jr. 164,447, Sept. 4.
Cabinet, Kitchen. M. Hallward. 164,416–17, Sept. 4.
Can and bottle opener, Combined. H. R. Ransom. 164,448, Sept. 4.
Casserole or similar article. R. G. Cowan. 164,407, Sept. 4.
Combination memorandum pad and holder. J. S. Nicholson. 164,440, Sept. 4.
Container for candles. O. D. Guilfoil, Jr. 164,415, Sept. 4.
Cover for casserole or similar article. R. G. Cowan. 164,408, Sept. 4.
Cover or similar article, Wheel. G. A. Lyon. 164,436, Sept. 4.
Cover, Radiator. C. E. Hodgman. 164,420–1, Sept. 4.
Cup. R. G. Cowan. 164,404–05, Sept. 4.
Desk. C. E. Jones. 164,425, Sept. 4.
Dispenser, Beverage. J. Levin. 164,433, Sept. 4.
Dispenser, Ticket. J. W. Edgemond, Jr., and E. W. Carroll. 164,412, Sept. 4.
Dispensing unit, Refrigerated butter and cream. R. R. Perkins. 164,445, Sept. 4.
Doll. C. F. Lougaris. 164,434, Sept. 4.
Electric socket and tap unit. W. G. Tyler. 164,462, Sept. 4.
Fan unit, Exhaust ventilating. W. J. Lovelace. 164,435, Sept. 4.
Fixture or similar article, Recessed bathroom. C. A. Laystrom and H. R. Sigler. 164,431, Sept. 4.
Game board. D. L. Stackhouse. 164,458, Sept. 4.
Girdle. M. Mayer. 164,438, Sept. 4.
Glove. H. Kress. 164,427–9, Sept. 4.
Grandstand unit, Portable. J. Huck. 164,424, Sept. 4.
Hairpin. M. C. Towns, Jr. 164,460, Sept. 4.
Hanger or similar article, Garment. C. Silver. 164,455, Sept. 4.
Holder, Candle. N. J. Baumer. 164,399, Sept. 4.
House, Bird. L. Poglein. 164,446, Sept. 4.
Housing for gauge and audible signaling device. F. P. Scully. 164,453, Sept. 4.
Illuminable church, Miniature. F. W. and H. M. Rosenkrans. 164,450, Sept. 4.
Jar and bottle opener, Combination. B. E. Stolpe. 164,459, Sept. 4.
Napkin or similar article. K. C. Hamilton. 164,418, Sept. 4.
Ornament or similar article, Automobile hood. A. S. Tremulis. 164,461, Sept. 4.
Overshoe, Lady's. R. Alpert. 164,397, Sept. 4.
Package, Confection. M. P. Park. 164,442, Sept. 4.
Panel for automatic washing machines or the like. N. R. Peet, Jr. 164,443, Sept. 4.
Panel for household appliances. N. R. Peet, Jr. 164,444, Sept. 4.
Plate or similar article. G. Rudd. 164,451, Sept. 4.
Polishing machine or similar article. J. N. Clyne. 164,403, Sept. 4.
Rack. S. S. Schiffer. 164,452, Sept. 4.
Rack, Clothes. T. J. Kelleher. 164,426, Sept. 4.
Shelf or similar article, Window. K. T. Wright. 164,464, Sept. 4.
Shoe sole. E. A. Sprigg. 164,456–7, Sept. 4.
Sign, School safety traffic. J. A. Dey. 164,409, Sept. 4.
Signal flare. T. Howell. 164,423, Sept. 4.
Stand, Christmas tree. M. Letrent. 164,432, Sept. 4.
Stocking. J. Miran. 164,439, Sept. 4.
Stocking, Lady's. G. D. Dowell. 164,411, Sept. 4.
Support for a display stand, Article. J. D. Marquis and F. W. Ehlert. 164,437, Sept. 4.
Tea kettle. L. E. Finch. 164,413, Sept. 4.
Thermostat housing. A. O. Hensel. 164,419, Sept. 4.
Tot's scooter-stroller. J. V. Card. 164,402, Sept. 4.
Toy figurine or similar article. C. R. White. 164,463, Sept. 4.
Toy propeller-ejecting gun. J. B. Barricks. 164,398, Sept. 4.
Toy, Riding. H. Sebel. 164,454, Sept. 4.
Water faucet aerator. O. W. Holden. 164,422, Sept. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive products, Ceramically bonded diamond. S. R. De Laney. 2,566,828, Sept. 4.
Accelerator pedal depressor. A. I. Seeler. 2,566,859, Sept. 4.
Accumulator system and control. E. J. Svenson. 2,566,381, Sept. 4.
Acetals, Preparation of. A. A. Dolnick and M. Potash. 2,566,559, Sept. 4.
Acid-resistant electrical immersion heater. E. H. Briscoe. 2,566,921, Sept. 4.
Adjustable bearing for disk harrows and the like. W. R. McKay. 2,566,991, Sept. 4.
Adjustable crank device. R. I. Lappin and L. Zaiger. 2,566,843, Sept. 4.
Adjustable height ironing table. E. A. Krueger. 2,566,668, Sept. 4.
Adjustable limit control for tractor lift shafts. R. E. Stutzke. 2,566,779, Sept. 4.
Adjuster, Bicycle seat height. M. Vick. 2,566,387, Sept. 4.
Adjusting means for typewriters, Platen. F. U. Ritz. 2,566,963, Sept. 4.
Agglomerates of fuel and manufacture process. A. Vloebergbs. 2,567,136, Sept. 4.
Aggregating and displaying device, particularly applicable to totalizators. J. Handley. 2,566,610, Sept. 4.
Agitator, Magnetic drive. G. J. Okulitch and I. Zozulin. 2,566,743, Sept. 4.
Air brake bleeder. E. F. Wideman. 2,566,472, Sept. 4.
Aircraft accessory, Turbine driving. W. H. Lindsey. 2,566,618, Sept. 4.
Aircraft control system. J. Lecarme. 2,566,526, Sept. 4.
Aircraft refrigeration control. T. J. Lehane and E. W. Johnson. 2,566,617, Sept. 4.
Airfoil construction. E. Y. Roberts. 2,567,124, Sept. 4.
Alarm apparatus for hot journal bearings and like hazards. A. J. Sorensen. 2,566,968, Sept. 4.
Alarm device, Hotbox. C. P. Leese. 2,566,494, Sept. 4.
Alarm of the rotary eccentric weight type, Vibratory aircraft. L. M. Greene. 2,566,409, Sept. 4.
Alarm, Power failure. G. J. Cass. 2,566,597, Sept. 4.
Aligning stage for instruments. C. D. Bennes. 2,567,005, Sept. 4.
Alkyl aryl sulfonate-carboxymethyl-cellulose-alkaline salt detergent composition. C. E. Smith and T. H. Vaughn. 2,566,501, Sept. 4.
Alternator control. C. W. Chillson. 2,566,694, Sept. 4.
Alumina-platinum oxysulfide-halogen catalyst and its preparation. V. Haensel. 2,566,521, Sept. 4.
Aluminum articles coated with heat-sealable composition. G. H. Bischoff. 2,566,513–14, Sept. 4.
Aluminum articles coated with heat-sealable composition. L. M. Debing. 2,566,794, Sept. 4.
Aluminum articles coated with heat-sealable composition. R. G. Kennelly. 2,566,802, Sept. 4.
Aluminum articles coated with heat-sealable composition. N. N. T. Samaras. 2,566,536, Sept. 4.
Aminoalkyl ethers of pyridyl alkylene aryl compounds. D. Papa and N. Sperber. 2,566,360, Sept. 4.
Amplifier, Frequency selective feedback. R. D. Huntoon. 2,566,333, Sept. 4.
Amplifier network. H. M. Zeidler. 2,566,508, Sept. 4.
Androgenic compositions. A. C. Ott. 2,566,358, Sept. 4.
Animal feedstuff. G. H. Beckwith and J. I. Sutherland. 2,566,549, Sept. 4.
Antenna construction. E. G. Hills. 2,566,491, Sept. 4.
Antenna systems, Ultra high frequency. E. D. McArthur. 2,566,900, Sept. 4.
Anthraquinone carbonyl hydrazines. F. B. Stilmar. 2,567,132, Sept. 4.
Antifriction bearing assembly sealing means. R. M. Heintz and W. T. Buhl. 2,566,448, Sept. 4.
Antifriction bearing-retaining strip. D. H. Lapointe. 2,566,421, Sept. 4.
Antisiphoning spray tube. C. A. Tea and P. F. Aschman. 2,566,469, Sept. 4.
Apparatus for forming continuous welded tubing. G. B. Kueter. 2,567,020, Sept. 4.
Apparatus for forming tubes. J. W. Miller. 2,566,423, Sept. 4.
Apparatus for grinding and refinishing crankpins. M. T. Georgian. 2,566,660, Sept. 4.
Apparatus for incising tires. W. F. Errig and E. S. De Hart. 2,567,149, Sept. 4.
Apparatus for insulating conductors. S. M. Martin. 2,566,846, Sept. 4.
Apparatus for making plats. J. B. Scheel. 2,566,910, Sept. 4.
Apparatus for polishing continuous strip metal. D. A. Wallace. 2,567,163, Sept. 4.
Apparatus for reconstituting dried powders. S. T. Coulter and J. L. Becker. 2,566,555, Sept. 4.
Apparatus for sequentially degassing and combusting solid fuel having a low sintering temperature. D. Dalin and C. J. Gejrot. 2,567,058, Sept. 4.
Apparatus for synchronizing film with sound tape. J. F. Stoltz. 2,567,086, Sept. 4.
Apparatus for testing fire-resistant material. H. B. Kime. 2,566,338, Sept. 4.
Apparatus for the electrical control of railway track switches. P. Laze. 2,566,945–6, Sept. 4.
Applicator for tire building or other machines. L. C. Frazier and F. J. Shook. 2,567,150, Sept. 4.
Apron and ejector control for carry-type scrapers. D. E. Murray. 2,567,118, Sept. 4.
Aquarium, Heated. A. Mahle. 2,566,990, Sept. 4.
Armchair, Folding. R. L. Jensen. 2,567,111, Sept. 4.
Arsenical compounds and obtaining the same. L. A. Sweet and E. W. Tillitson. 2,566,382, Sept. 4.
Arsenical compounds and obtaining the same. E. W. Tillitson. 2,566,383, Sept. 4.
Article of apparel. R. M. Ronstadt. 2,566,706, Sept. 4.
Artificial flower article. B. F. Miller and B. S. Owen. 2,566,950, Sept. 4.
Artificial horizon having gyroscope control means. S. J. Catravas. 2,567,053, Sept. 4.
Artificial insemination device. G. J. Propp. 2,566,632, Sept. 4.
Aryl esters of 4-chlorobenzene sulfonic acid. E. C. Britton and H. R. Slagh. 2,567,008, Sept. 4.
Atomizer and suction device, Combined. H. A. Miller. 2,566,806, Sept. 4.
Automatic battery for looms. A. J. Fiset and C. D. Brown. 2,566,880, Sept. 4.
Automatic control for transfer molding presses. G. B. Sayre. 2,566,857, Sept. 4.
Automatic electrical control for furnaces and fire alarms. W. Kagan. 2,567,112, Sept. 4.
Automatic transmission. E. J. Farkas. 2,566,518–19, Sept. 4.
Axially collapsing type, hydraulically operated tire bead breaking machine. P. J. Christofoli and W. O. Bennett. 2,566,315, Sept. 4.
Ball return means for bowling alleys. E. G. Strong. 2,566,379, Sept. 4.
Bandage, Catamenial. J. M. Julien. 2,566,451, Sept. 4.
Basket, Fish. J. E. Dick. 2,566,719, Sept. 4.
Bathtub formed with body rests. G. K. Miyakawa. 2,566,495, Sept. 4.
Battery terminal and cable and producing the same, Combination. J. P. Whitaker. 2,566,646, Sept. 4.
Bed, Automobile. W. T. Scheld. 2,566,996, Sept. 4.
Bed for game utilizing glidable objects. R. G. Stewart. 2,566,681, Sept. 4.
Bed guard. G. J. Arliss. 2,567,047, Sept. 4.
Bedstead corner lock. D. C. Travis. 2,566,541, Sept. 4.
Bedding. L. A. Kay. 2,567,072, Sept. 4.
Belt, T. C. Y. Jones. 2,566,768, Sept. 4.
Beta-tertiary aminoethanol ethers of diaryl pyridyl carbinols. R. S. Shelton and C. H. Tilford. 2,566,376, Sept. 4.
Beverage brewer. H. W. Peters. 2,567,027, Sept. 4.
Bicyclooctane acetic acid and esters thereof. E. L. Pelton, G. C. Wiggins, and G. M. Corbett. 2,567,026, Sept. 4.
Bidirectional no-back clutch. J. M. Mergen and R. K. Tiedeman. 2,566,705, Sept. 4.
Binary-decade counter. C. A. Bergfors. 2,566,918, Sept. 4.
Bit. S. A. Stokes. 2,567,084, Sept. 4.
Blade holder. O. H. Ladd. 2,566,493, Sept. 4.
Blanket combination, Baby. E. B. Shuster. 2,567,082, Sept. 4.
Blast furnace. H. A. Brassert and F. E. Kling. 2,567,007, Sept. 4.
Board: *See*—
Paper clip board.
Steam-heated ironing board.
Bootee stretcher, Baby. A. B. Reser. 2,567,081, Sept. 4.
Bowl control for carry type scrapers. L. T. McGee. 2,566,901, Sept. 4.
Bowl, Folding closet. O. C. Osterhage. 2,567,025, Sept. 4.

Box: *See*—
Packing box. Portable refrigeration box.
Brake: *See*—
Hydraulic brake. Rotor brake.
Brake beam. O. Otterson. 2,566,744, Sept. 4.
Brake for fishing reels. A. and O. Kovalovsky. 2,566,803, Sept. 4.
Breaching and butting control for cattle. R. E. Warmann. 2,566,437, Sept. 4.
Breaking water and oil emulsions. A. E. Catanach and R. P. Gubley. 2,566,979–80, Sept. 4.
Bridge unbalance detector, Cathode-ray tube. J. C. Frommer. 2,566,699, Sept. 4.
Bridging plug setting tool. V. L. Forsyth and L. Dillon. 2,566,323, Sept. 4.
Broaching machine. L. C. Agan. 2,567,093, Sept. 4.
Brush, Foldable toilet. L. C. Davis. 2,566,442, Sept. 4.
Brush holder. E. E. Anderson. 2,566,650, Sept. 4.
Brush holder. E. S. Dunton. 2,566,877, Sept. 4.
Bucky grid and making same. S. W. Strickman. 2,566,994, Sept. 4.
Burner for furnaces, Multiple gas. C. E. Feinberg. 2,567,013, Sept. 4.
Burning sewage sludge and apparatus therefor. T. R. Komline. 2,566,731, Sept. 4.
Cabinet for television receivers. A. N. Goldsmith. 2,566,830, Sept. 4.
Cable drilling tool. G. R. Watson. 2,566,913, Sept. 4.
Camera with indicator, Television. J. E. Albright. 2,566,509, Sept. 4.
Carbonization of cellulose acetate fibers with gaseous HCl and swelling agent to separate from wool fibers. A. Crummett and A. Mellor. 2,566,403, Sept. 4.
Card punching machine, Record. J. M. Cunningham and A. F. Suith. 2,566,931, Sept. 4.
Carrier and carrier support, Ice-cream cone. H. A. Clement and T. J. Cleghorn. 2,567,054, Sept. 4.
Carrier and table, Automobile luggage. A. Di Fonso. 2,567,104, Sept. 4.
Carrying means for office machines. R. E. Boyden. 2,567,008, Sept. 4.
Cartridge case. G. Jensen. 2,566,569, Sept. 4.
Case: *See*—
Cartridge case.
Motion picture projector case.
Caster. J. P. Reinhardt. 2,566,853, Sept. 4.
Cathode-ray beam deflection circuit. G. C. Sziklai. 2,566,432, Sept. 4.
Center extension table. A. Hutcherson. 2,566,800, Sept. 4.
Chain: *See*—
Coal cutter chain.
Chain applier and remover, Skid. J. D. Andrews. 2,566,306, Sept. 4.
Check-endorsing machine. D. J. Oldenboom. 2,566,955, Sept. 4.
Chemical analysis using neutrons. K. C. Crumrine. 2,567,047, Sept. 4.
Cigarette dispenser. B. L. Petty. 2,566,808, Sept. 4.
Circuit: *See*—
Cathode-ray beam deflection circuit. Synchronising circuit.
Printed electronic circuit. Variable pressure fluid control circuit.
Pulse lengthening circuit.
Relay selecting and indicating circuit.
Circuit breaker, Air-blast. H. Milliken. 2,567,022, Sept. 4.
Circuit for shifting alternate fields of television rasters. G. W. Tyler and G. J. Heisig. 2,566,764, Sept. 4.
Circuit for temperature responsive systems, Test. M. F. Peters. 2,566,367, Sept. 4.
Circuits, Time-delay relay. G. E. Brode. 2,566,309, Sept. 4.
Circuits, Very high-frequency tuning. W. J. Polydoroff. 2,566,746, Sept. 4.
Clamp: *See*—
Clothes clamp.
Clamp for cable drum controls. J. J. Jamrozy. 2,566,334, Sept. 4.
Clamping device, Shoe. R. H. Davis. 2,566,656, Sept. 4.
Cleaner. J. Golibach. 2,566,606, Sept. 4.
Cleaning and polishing composition, Combined. C. F. Boe and W. R. Lowstuter. 2,566,716, Sept. 4.
Cleaning composition. E. R. Irwin. 2,566,298, Sept. 4.
Cleaning device, Mop and brush. E., M. A. and J. Goldberg. 2,566,408, Sept. 4.
Cleaning device, Watch. A. Baltsois. 2,566,819, Sept. 4.
Clock, Star. H. G. Wens. 2,567,139, Sept. 4.
Closure cap lining machine. C. Andrew and F. Waitkens. 2,567,141, Sept. 4.
Closure for liquid containers. V. H. Hurt. 2,566,838, Sept. 4.
Clothes clamp. J. J. La Duca. 2,566,841, Sept. 4.
Clothespin. R. E. MacMillan. 2,566,348, Sept. 4.
Clutch: *See*—
Bidirectional no-back clutch. Spring type clutch.
Latch operated positive clutch.
Clutch control mechanism. E. R. Price. 2,566,631, Sept. 4.
Clutch lever mounting. H. V. Reed. 2,566,374, Sept. 4.
Clutch mechanism, Friction. A. Ruch. 2,567,125, Sept. 4.
Coal cutter chain. S. E. Proctor. 2,566,675, Sept. 4.
Coating of paper. J. A. Montgomerie. 2,566,529, Sept. 4.
Coffee maker, Side-by-side. A. M. Young. 2,566,916, Sept. 4.
Coffee maker with spring-biased coffee basket, Single bowl. J. C. Worst. 2,566,914, Sept. 4.
Coil system for measuring instruments with nonlinear scales. A. T. van Urk. 2,566,783, Sept. 4.
Color television. G. C. Sziklai. 2,567,040, Sept. 4.
Color television. V. K. Zworykin. 2,566,713, Sept. 4.
Color television system. W. H. Cherry. 2,566,693, Sept. 4.
Color television system. G. C. Sziklai. 2,566,707, Sept. 4.
Colored photographic layers and their manufacture. A. E. Van Dormael and L. A. Van Der Auwera. 2,566,814, Sept. 4.
Comb. H. F. Shaw. 2,566,965, Sept. 4
Combined quiver and sheath. R. T. Zaccard. 2,566,786, Sept. 4.
Combing mechanism for cross-laying machines. C. D. Brown and G. E. Repass. 2,566,922, Sept. 4.
Combustion system, Liquid fuel. O. N. Lawrence and E. H. Warne. 2,566,734, Sept. 4.
Communication system. S. Goldman. 2,566,882, Sept. 4.
Composition for a pencil lead. C. H. Van Dusen, Jr. and O. E. Weissenborn. 2,566,754, Sept. 4.
Compounds with conjugated double bonds, their oxidation products, and preparing same. C. Meystre, P. A. Plattner, and A. Wettstein. 2,566,352, Sept. 4.
Connector: *See*—
Detachable connector. Strip terminal connector.
Electrical connector. U-bolt connector.
Multiple connector.
Container: *See*—
Dripless container.
Container and billfold for physicians, Narcotics. H. H. Kersten. 2,566,452, Sept. 4.
Continuous manufacture of viscose products. R. Levison and B. J. Blomberg. 2,566,455–6, Sept. 4.
Continuous saponification of fats. R. V. Owen. 2,566,359, Sept. 4.
Control for centrifugal compressor systems. R. Birmann. 2,566,550, Sept. 4.
Control mechanism for phonographs. H. Norén. 2,566,462, Sept. 4.
Control mechanism for printing presses, Lateral register. N. Bishop. 2,566,399, Sept. 4.
Control of electric locks for railway track switch operating levers. J. H. Broadbent. 2,567,050, Sept. 4.
Controlling exothermic gas reactions. L. S. Kassel. 2,566,337, Sept. 4.
Controlling undesirable fermentation in cheese, Method and agent for. H. Jørgensen. 2,566,941, Sept. 4.
Conveyer switch. R. F. Holm. 2,566,417, Sept. 4.
Cooling system, Irrigation well. G. Thiesen. 2,566,506, Sept. 4.
Copolymers of cinnamoyl-vinyl aromatic hydrocarbons. C. F. H. Allen and J. A. Van Allan. 2,566,302, Sept. 4.
Corn cutter. C. E. Ives. 2,566,568, Sept. 4.
Corner construction, Floating. G. W. Anderson. 2,566,649, Sept. 4.
Corporation stop and installing. J. J. Smith. 2,566,502, Sept. 4.
Corrosion inhibitor. G. C. Hook. 2,566,887, Sept. 4.
Corrosion inhibitor for concentrated phosphoric acid. J. E. Malowan. 2,567,156, Sept. 4.
Cosmetic stick and the like. L. Friedberg. 2,566,722, Sept. 4.
Coupling: *See*—
Pipe coupling.
Coupling. J. Mann. 2,566,575, Sept. 4.
Cover: *See*—
Crib cover. Wheel cover.
Cover for curb boxes and the like. V. E. Beagle. 2,566,870, Sept. 4.
Cover unit for dental chairs, Headrest. I. E. Rotner. 2,566,582, Sept. 4.
Crankshaft construction. B. W. Wheelis. 2,566,785, Sept. 4.
Crib cover. M. G. Bloomfield. 2,566,790, Sept. 4.
Crib for babies, Shielded. V. S. Merdian. 2,566,737, Sept. 4.
Crib, Swinging. E. C. Brown. 2,566,594, Sept. 4.
Crimping die. J. C. Macy. 2,567,155, Sept. 4.
Crusher, Jaw. H. J. Shelton. 2,566,583, Sept. 4.
Crushing machine. A. H. Amery. 2,567,045, Sept. 4.
Crystal pickup. R. H. Dreisbach. 2,567,105, Sept. 4.
Culinary utensil. R. L. Whitnah and E. H. McKeehan. 2,567,091, Sept. 4.
Cutter: *See*—
Corn cutter. Fabric cutter.
Cutter for glass tubes, ampoules, and the like. J. J. Toth and R. B. Lewis. 2,566,434, Sept. 4.
Cutter tip for beater arms of hammer mills, Self-sharpening. J. L. Hiller. 2,566,798, Sept. 4.
Cutting machine. J. H. Shreve. 2,566,639, Sept. 4.
Cylinder sleeve puller. G. M. Walraven and R. G. Knudsen. 2,566,507, Sept. 4.
Cylinder sleeve removing tool. J. V. Miller. 2,566,847, Sept. 4.
Cylindrical valve. E. C. Hartley. 2,566,885, Sept. 4.
Damper control, Ventilator. H. J. Waff, Jr. 2,566,784, Sept. 4.
Decalcomania and making the same, Pressure sensitive. A. F. Grupp, H. C. Rathke, E. S. Talan, and E. Watts. 2,567,067, Sept. 4.

Decimal indicator. C. K. Studley, Jr. 2,567,133, Sept. 4.
Decoration of ceramic ware. M. P. Lepie. 2,566,735, Sept. 4.
Deep well and top cooking unit for cookstoves, Combination. J. K. Beyon. 2,566,440, Sept. 4.
Deflector, Breath. C. E. Danielson. 2,566,557, Sept. 4.
Dehumidifier system. R. F. Hallock. 2,566,327, Sept. 4.
Dental appliance. H. G. Moran. 2,566,903, Sept. 4.
Detachable connector. F. B. Harley. 2,567,060, Sept. 4.
Device for dividing coins into groups and for packing such groups. A. Frei. 2,566,935, Sept. 4.
Device for handling sheet material. E. V. Grater. 2,566,489, Sept. 4.
Device for squeezing and storing collapsible tubes comprising a hollow casing with rollers therein. G. H. Snyder. 2,566,503, Sept. 4.
Device to prevent overheating of shaft bearings. P. E. Bessière. 2,566,715, Sept. 4.
Dewatering or drying of peat. D. S. King. 2,566,943, Sept. 4.
Dextrose, Production of. L. Wallerstein and I. Stone. 2,567,000, Sept. 4.
Diaphragm assembly, Balanced valve. H. E. Jacobus. 2,567,071, Sept. 4.
Diaphragm unit. L. Hornbostel. 2,567,151, Sept. 4.
Diazotype photoprinting materials containing colloidal silica. W. H. von Glahn and L. N. Stanley. 2,566,709, Sept. 4.
Die: *See*—
Crimping die.
Differential transmission gearing. R. J. W. Cousins. 2,566,601, Sept. 4.
Discharge device for fluids. C. W. Frese. 2,566,324, Sept. 4.
Disk with ejector brush, Seed feeding. R. Dougherty. 2,566,406, Sept. 4.
Dispenser: *See*—
Cigarette dispenser.
Dispenser, T. P. Walsh. 2,567,089, Sept. 4.
Dispenser for pressure sensitive tapes. T. H. Krueger. 2,566,733, Sept. 4.
Dispenser with control setting indicator, Beverage. P. H. Thompson. 2,566,588, Sept. 4.
Dispensing machine, Beverage. C. C. Waite. 2,566,436, Sept. 4.
Dispensing nozzle with measuring chamber and counter, nonremovable attachment to a bottle neck, and valved dispensing and vent outlets for said chambers. M. L. Lesnick. 2,566,669, Sept. 4.
Dispensing valve. A. Segal. 2,566,860, Sept. 4.
Display apparatus, Projection. F. E. Weller. 2,566,710, Sept. 4.
Display device for weighing apparatus. R. H. Wells and C. C. Hein. 2,566,711, Sept. 4.
Display hatcher. W. A. Ketay. 2,566,453, Sept. 4.
Dolly and like transporting device. W. G. Collins. 2,566,718, Sept. 4.
Dolomite bricks, Manufacture of. H. E. Moon. 2,567,077, Sept. 4.
Door: *See*—
Grain car door. Overhead door.
Door hanger device, Sliding. H. Hexlep, Jr. 2,566,522, Sept. 4.
Door having cast inner panel and rail to which outer sheet panel is attached. C. P. Bedford, D. B. Hammond, and J. L. Hallett. 2,566,871, Sept. 4.
Door interlock, Biparting elevator. N. R. Guilbert, Jr. 2,566,411, Sept. 4.
Door lock. A. W. Thomas. 2,566,470, Sept. 4.
Double-door structure with latching mechanism. C. G. Minor. 2,566,578, Sept. 4.
Double tap T soil-pipe fitting. W. J. and A. B. Collison. 2,566,654, Sept. 4.
Dough forming machine. S. Patt. 2,566,628, Sept. 4.
Drilling weight control system. A. G. H. Straatman. 2,566,812, Sept. 4.
Dripless container. E. S. Lilly. 2,566,527, Sept. 4.
Drive unit, Resilient. N. E. Gee. 2,566,985, Sept. 4.
Drop wire. T. E. Watson. 2,566,471, Sept. 4.
Dry wall construction. C. P. Hartung. 2,566,563, Sept. 4.
Drying fruit juices. J. W. Stevens, D. E. Pritchett, and W. E. Baier. 2,567,038, Sept. 4.
Drying oil composition. J. D. Danforth. 2,566,515, Sept. 4.
Dual tire gauge. G. E. Trimmer. 2,566,435, Sept. 4.
8-hydroxy-1-methyl-1,2,3,4-tetrahydroquinoline dimethyl urethanes. J. H. Gardner and J. R. Steveus. 2,566,723, Sept. 4.
Ejector in refrigeration system, Multiple stage. L. F. Whitney. 2,566,864, Sept. 4.
Electric iron. E. A. Welland. 2,567,138, Sept. 4.
Electric switch. W. E. Leibing. 2,566,704, Sept. 4.
Electric toaster. C. A. Lindberg. 2,567,075, Sept. 4.
Electrical conductor and making same, Coated. P. F. Sanders. 2,567,162, Sept. 4.
Electrical connector. F. L. Parsons. 2,566,993, Sept. 4.
Electrical multiplying and dividing machine. H. P. Luhn. 2,566,947, Sept. 4.
Electrical remote control system. O. Grob. 2,567,018, Sept. 4.
Electrical rotating apparatus for directional antennae. H. G. Koenig. 2,566,897, Sept. 4.
Electrically operated device for the control of fluid pressure servomotors. H. Trevaskis. 2,566,708, Sept. 4.
Electroacoustic transducer. E. E. Mott. 2,566,849–50, Sept. 4.
Electrochemical separation of chemicals by ion migration, Process and apparatus for the. A. K. Brewer. 2,566,308, Sept. 4.
Electroconductive products and production thereof. W. O. Lytle and A. E. Junge. 2,566,346, Sept. 4.
Electrodeposition apparatus. A. T. Rabbitts. 2,566,676, Sept. 4.
Electrodynamic loud-speaker assembly. W. C. Eaves. 2,566,604, Sept. 4.
Electroluminescent lamp. E. L. Mager. 2,566,349, Sept. 4.
Electrolytic capacitor. R. A. Ruscetta. 2,566,908, Sept. 4.
Electronic counter. A. H. Dickinson. 2,566,933, Sept. 4.
Electronic counter. I. E. Grosdoff. 2,566,831, Sept. 4.
Electronic director. H. J. McCreary. 2,567,115, Sept. 4.
Electronic relay system. G. Keinath and R. K. Hellmann. 2,566,420, Sept. 4.
Engine balancer. A. A. Zuhn. 2,566,476, Sept. 4.
Engine starter, Direct cranking. S. Gilbert and F. H. Miller. 2,566,445, Sept. 4.
Epoxy-hexenylidene imines and insecticidal compositions thereof. R. R. Whetstone. 2,566,815, Sept. 4.
Equal arm balance. W. C. Griffin. 2,567,161, Sept. 4.
Equipment for inserting small flexible tubing into high-pressure wells. G. H. Calhoun and H. Allen. 2,567,009, Sept. 4.
Etching tungsten coils. G. W. Kellholtz and M. J. Bergin. 2,566,615, Sept. 4.
Expanding brake operator. P. Farkas. 2,566,879, Sept. 4.
Expansible band. W. C. Johnson. 2,567,019, Sept. 4.
Expansible plug closure. W. H. Work. 2,566,816, Sept. 4.
Expansion gauge. S. O. Swensson. 2,566,970, Sept. 4.
Explosive composition. M. de Simo. 2,566,602, Sept. 4.
Extractor: *See*—
Staple extractor.
Extrusion control. T. J. Rhodes. 2,566,854, Sept. 4.
Eye, Doll's. S. Rose. 2,566,995, Sept. 4.
Fabric: *See*—
Woven fabric.
Fabric cutter. J. E. Cook. 2,567,102, Sept. 4.
Fabric washing and drying unit, Combined. B. C. Gould. 2,566,488, Sept. 4.
False teeth, Manufacture of. M. Budish. 2,566,652, Sept. 4.
Fastener: *See*—
Gate fastener. Separable fastener.
Fastening device for objects in adjustable axial relationship, Resilient. R. A. Hartman. 2,566,886, Sept. 4.
Fastening tassels to robe sashes. G. Safir. 2,566,750, Sept. 4.
Feeding attachment for addressing machines. T. F. Cahill. 2,566,822, Sept. 4.
Feeding device. O. L. Gomer. 2,566,446, Sept. 4.
Feeding device for oil burners, Oil. E. F. Chandler. 2,566,692, Sept. 4.
Feeding mechanism, Paper. J. E. Dayger and E. M. Hollis. 2,566,932, Sept. 4.
Feeding mechanism, Record card. A. W. Mills. 2,566,951, Sept. 4.
Filter: *See*—
Water filter.
Filter bowl construction. J. L. Edelen. 2,567,062, Sept. 4.
Filter system. R. L. Rathmann. 2,566,633, Sept. 4.
Filter unit. S. G. Orban. 2,566,463, Sept. 4.
Finger nail exposer for use in manicuring. L. B. Platt. 2,566,852, Sept. 4.
Finishing machine. H. C. Warner. 2,567,090, Sept. 4.
Fishing float. O. K. Hearne. 2,566,612, Sept. 4.
Fishing net, Extensible. R. E. Deeble. 2,567,059, Sept. 4.
Fishing rod and container, Combination. N. Wiseman. 2,566,647, Sept. 4.
Fixture for tubular electric lamps. H. D. Fine and C. E. Barker. 2,567,014, Sept. 4.
Flame polishing the gray cut surface of ornamental designs in glass. W. A. Meier. 2,566,350, Sept. 4.
Flow evener. L. Hornbostel. 2,566,450, Sept. 4.
Flow indicator. E. D. Smyser. 2,566,680, Sept. 4.
Fluid control system. K. B. Britton. 2,566,873, Sept. 4.
Fluorocarbon acids and derivatives. A. R. Diesslin, E. A. Kauck, and J. H. Simons. 2,567,011, Sept. 4.
Fly hook holder. J. E. Waggoner. 2,566,388, Sept. 4.
Foldable tire diameter gauge. J. S. Evans. 2,566,407, Sept. 4.
Foot support. J. F. Rapisarda. 2,567,028, Sept. 4.
Forged wheel. C. Hollerith. 2,566,663, Sept. 4.
Forming fibers, Method and apparatus for. F. V. Tooley. 2,566,643, Sept. 4.
Forming machine, Candy bar. F. E. Soell. 2,566,586, Sept. 4.
Forming machine, Wire garment hanger. O. R. Brekle. 2,566,400, Sept. 4.
Forming orthodontic arches. W. J. Henry. 2,566,414, Sept. 4.
Forming plastic insignia, Method and mold for. R. J. Renholts. 2,566,636, Sept. 4.
Frame: *See*—
Furnace register frame.
Freezing compartment structure. W. G. Kögel. 2,566,340, Sept. 4.
Frequency and direction selective high-frequency transmission line apparatus. R. H. Varian. 2,566,386, Sept. 4.

Frequency modulation. O. E. De Lange and W. M. Goodall. 2,566,405, Sept. 4.
Fuel control system for turbojet engines. E. M. Redding. 2,566,373, Sept. 4.
Fuel nozzle, Air assisted. L. E. Berggren, H. E. Gille, and W. F. Smith. 2,566,788, Sept. 4.
Fuel system for heaters. E. J. Bodensieck. 2,567,143, Sept. 4.
Fungistatic wrapper. G. H. Coleman and P. A. Wolfe. 2,567,010, Sept. 4.
Furnace: *See*—
  Blast furnace.
Furnace register frame. W. C. De Roo. 2,566,558, Sept. 4.
Furniture, Multipurpose. D. Babit. 2,566,818, Sept. 4.
Garment, Foundation. P. J. Morano. 2,566,461, Sept. 4.
Gate fastener. B. J. and T. H. Limpo. 2,566,771, Sept. 4.
Gauge: *See*—
  Dual tire gauge.
  Expansion gauge.
  Foldable tire diameter gauge.
  High-pressure liquid level gauge.
  Pressure gauge.
Gauge for gauging external screw threads, Roll. J. H. Niper. 2,566,356, Sept. 4.
Generator *See*—
  Tide power generator.
Glass burn-off and transfer machine, Combined. H. R. Schutz. 2,567,033, Sept. 4.
Glider, Mechanically operated baby. P. R. Coltrane. 2,566,983, Sept. 4.
Glove, Golf. E. H. Patterson, Jr. 2,566,580, Sept. 4.
Glove smoothing and stretching machine. T. G. Boldizsoni. 2,566,552, Sept. 4.
Grading machine, Road. E. B. Snead. 2,566,641, Sept. 4.
Grain car door. H. A. Coulter. 2,566,483, Sept. 4.
Grease compositions. R. G. Davies and R. W. Noad. 2,566,795, Sept. 4.
Grinding device, Rocker arm. A. W. Jones, Sr. 2,566,893, Sept. 4.
Grinding machine, Gear. W. C. Critchley and H. A. Male. 2,566,402, Sept. 4.
Ground brake for roller skates. L. H. Rice. 2,566,747, Sept. 4.
Guard for slicing machines, Knife. J. W. Lubberhuizen. 2,566,574, Sept. 4.
Guide, Band tool. W. B. Boice. 2,566,551, Sept. 4.
Gun mounting. A. G. Rose. 2,566,855, Sept. 4.
Gun sight. J. Trippi. 2,566,590, Sept. 4.
Gun, Spray. J. A. Wilkins and D. Wilkins, Jr. 2,566,392, Sept. 4.
Hairpin, M. C. Towns, Jr. 2,566,782, Sept. 4.
Hair treating apparatus, A. B. Colon. 2,566,600, Sept. 4.
Hair waving device. F. Kemp. 2,566,727, Sept. 4.
Hammer, Soft face. B. R. Dicks. 2,566,517, Sept. 4.
Hardening and decolorizing glyceride oils with nickel-alumina-silica catalysts. W. J. Paterson. 2,566,362, Sept. 4.
Headdress ornament. G. P. Naidor. 2,567,119, Sept. 4.
Headrest. S. C. Alexander. 2,566,757, Sept. 4.
Head steamer, Portable. M. D. Nissenbaum. 2,566,531, Sept. 4.
Hearing aid. W. Dubilier. 2,566,761, Sept. 4.
Heat exchange apparatus. B. M. Carter. 2,566,928, Sept. 4.
Heat exchange apparatus. E. B. Lopker. 2,566,929, Sept. 4.
Heat exchanger, Tray type. J. A. Burns and E. G. Engel. 2,566,310, Sept. 4.
Heat mover. M. A. Powers. 2,566,630, Sept. 4.
Heat or flame detecting element and assembly. E. A. Joerres. 2,566,335, Sept. 4.
Heat-treating apparatus. G. C. Riegel and D. J. Wright. 2,566,678, Sept. 4.
Heater: *See*—
  Acid-resistant electrical immersion heater.
  Multiple stage bleed heater.
  Water heater.
Heater fan. O. A. Sutton. 2,567,087, Sept. 4.
Heater having a helical fluid conveying coil. H. M. Paulsen. 2,566,627, Sept. 4.
High-frequency oscillator. P. O. Farnham. 2,566,606, Sept. 4.
High-frequency tuner. J. M. Clark and W. H. Counts. 2,566,759, Sept. 4.
High-pressure liquid level gauge. H. J. Johnson. 2,566,570, Sept. 4.
High-voltage electric switch. J. G. Armstrong. 2,566,917, Sept. 4.
Hinge. P. A. Bernhardt. 2,566,872, Sept. 4.
Hinge, J. W. Gawlik. 2,566,486, Sept. 4.
Hinge, Awning. F. V. McCoy. 2,566,459, Sept. 4.
Hinge construction for electric heating devices. A. M. Young. 2,566,915, Sept. 4.
Hinge, Olive knuckle butt. C. J. Soss. 2,566,504, Sept. 4.
Hoist control, Automatic. D. Wertman and R. K. Bole. 2,566,391, Sept. 4.
Holder: *See*—
  Blade holder.
  Brush holder.
  Fly hook holder.
  Paper roll holder.
  Price tag and name card holder.
Holder for hooks and trolleys. G. Ramsey. 2,566,962, Sept. 4.
Holding device. A. W. La Flamme and E. Goldstein. 2,566,804, Sept. 4.
Hose for irrigating purposes. J. J. Healy. 2,566,833, Sept. 4.
Humidification preventer for anhydrous air coolers. N. A. Pennington. 2,566,366, Sept. 4.
Hydraulic brake. R. S. Huyck. 2,566,614, Sept. 4.
Hydraulic fluid composition. D. H. Moreton. 2,566,623, Sept. 4.
Hydraulic governor. K. A. W. Kemp. 2,566,728, Sept. 4.
Hydraulic grinding control. J. Marco. 2,566,949, Sept. 4.
Hydraulic pumping jack. L. D. Alward. 2,566,295, Sept. 4.
Hydraulic safety valve. R. Grosse. 2,566,609, Sept. 4.
Hydraulic valve. H. P. Kupiec. 2,567,073, Sept. 4.
Hydrocarbon rubber plasticized with a polyvinyl compound. A. M. Gessler and A. F. Sayko. 2,567,016, Sept. 4.
Hypodermic syringe. T. E. Watson. 2,567,001, Sept. 4.
Ice-cream softening apparatus. K. E. Bemis. 2,566,651, Sept. 4.
Ice warning indicator. O. I. Thorsen. 2,566,813, Sept. 4.
Identification means, Key. W. F. Rothe. 2,566,749, Sept. 4.
Illuminated sign. J. A. Macau V. 2,566,458, Sept. 4.
Imides, Manufacture of. J. P. Morgan and E. O. Ohsol. 2,566,992, Sept. 4.
Impact tong and spinner. A. L. Stone. 2,566,999, Sept. 4.
Impregnated pencil lead. C. H. Van Dusen, Jr. and O. E. Weissenborn. 2,566,753, Sept. 4.
Indicating system, Plan position. W. A. Huber and M. Gindoff. 2,566,332, Sept. 4.
Indicator: *See*—
  Decimal indicator.
  Flow indicator.
  Ice warning indicator.
Initiator systems comprising a titanous compound and nitrogen compounds such as oximes. E. G. Howard. 2,567,109, Sept. 4.
Insulating material and forming the same. H. L. Lyon and J. R. Boeker. 2,566,619, Sept. 4.
Interpolymerization of styrene and frosting drying oil in presence of monocyclic alpha-terpene. L. E. Wakeford and D. H. Hewitt. 2,567,137, Sept. 4.
Iron: *See*—
  Electric iron.
Iron oxide-magnesium chromate catalyst, Preparation of an. K. D. Ashley and W. B. Innes. 2,567,140, Sept. 4.
Ironing table. J. J. Napoleon. 2,566,740, Sept. 4.
Irrigating apparatus, Pressure type. J. V. Cariffe. 2,566,823, Sept. 4.
Jack: *See*—
  Hydraulic pumping jack.
Jet device for feeding air, steam, and chemicals to boiler furnaces. H. E. De Roque. 2,566,320, Sept. 4.
Keto-amine salts in the steroid series and products, Preparation of. P. L. Julian, E. W. Meyer, J. W. Cole, and A Magnani. 2,566,336, Sept. 4.
Kickoff. E. T. Peterson. 2,566,958, Sept. 4.
Knife sharpener. R. E. Risley and P. B. Scharf. 2,566,809, Sept. 4.
Lamp: *See*—
  Electroluminescent lamp.
  Vehicle directional signal lamp.
Lamp support. D. P. and M. B. Nave. 2,566,672, Sept. 4.
Last for rubber footwear. A. Vicek. 2,566,686, Sept. 4.
Latch for elevators, Safety. W. W. Wilson. 2,567,044, Sept. 4.
Latch mechanism. C. E. Linn. 2,567,114, Sept. 4.
Latch operated positive clutch. E. L. Steed. 2,566,540, Sept. 4.
Lawn mower and snowplow, Combination. J. P. Heil. 2,566,724, Sept. 4.
Leg and foot rest. J. A. Revercomb. 2,566,498, Sept. 4.
Leveling device. A. H. Buell. 2,566,481, Sept. 4.
Lifter for lifting roast fowl, meat, etc. J. W. McDevitt. 2,566,577, Sept. 4.
Ligating instrument. C. B. Nagelmann. 2,566,625, Sept. 4.
Light attachment for flash lights, Two-color wand. G. S. Anderson. 2,567,046, Sept. 4.
Light producing method and apparatus. W. B. Smits. 2,567,037, Sept. 4.
Light transmitting apparatus, Fluid-tight. J. F. Shannon. 2,567,036, Sept. 4.
Limit switch. G. K. Carlson. 2,566,824, Sept. 4.
Line-up machine. F. R. Belluche. 2,567,049, Sept. 4.
Lock: *See*—
  Bedstead corner lock.
  Door lock.
  Secret or combination lock.
Lock for vehicle brake cylinders, Safety. A. P. Crotts. 2,566,874, Sept. 4.
Locking device. C. Herzstark. 2,566,835, Sept. 4.
Logging apparatus. R. G. Larson. 2,566,616, Sept. 4.
Low-distortion oscillator. C. W. Clapp. 2,566,981, Sept. 4.
Lubricating mechanism for injection molding apparatus. W. P. Cousino. 2,567,147, Sept. 4.
Lubricants and lubricant additives. J. D. Bartleson and H. P. Lankelma. 2,566,397–8, Sept. 4.
Lubrication fitting. W. A. Morey. 2,566,354, Sept. 4.
Lubrication fittings, Manufacture of. A. L. Staley. 2,566,505, Sept. 4.
Luggage railing for automotive vehicles. W. F. Allmond. 2,566,303, Sept. 4.

Luminaire having end members and quickly detachable side panels. B. D. Levaur and E. D. Altree. 2,566,845, Sept. 4.
Luminous attachment for door knobs. B. Heinz. 2,566,490, Sept. 4.
Machine for assembling caps and liners. J. Belada. 2,567,094, Sept. 4.
Machine for cutting and spacing soap cakes. J. Van Buren. 2,567,041, Sept. 4.
Machine for depositing nuts on candy bars. L. H. Zeun. 2,566,712, Sept. 4.
Machine for facing tapered workshop elements of varying tapers and widths. T. E. Davies. 2,566,697, Sept. 4.
Machine for forming lawn mower blades. W. H. Hannes. 2,566,412, Sept. 4.
Magnetic frequency changer having partial gaps. H. J. McCreary. 2,567,116, Sept. 4.
Magnetic record medium and making the same. [illegible]amras. 2,566,441, Sept. 4.
Magnetic recorder-reproducer device of the disk type. A. L. W. Williams. 2,567,092, Sept. 4.
Magnetostrictive device. F. G. Firth. 2,566,984, Sept. 4.
Maintained pressure snap switch. R. Reger. 2,566,534, Sept. 4.
Making an extended surface heat exchange device or similar composite article. D. Dalin and H. J. U. Wängsjö. 2,566,318, Sept. 4.
Making closed end shoes. B. F. Parrelli. 2,566,361, Sept. 4.
Making closure flap structures. C. H. Fitterling. 2,566,520, Sept. 4.
Making hot and cold packs. N. J. Poux. 2,566,533, Sept. 4.
Making piston rings, Method of and machine for. A. H. Bates. 2,566,304, Sept. 4.
Making reinforced concrete pipes. W. A. Whiting. 2,566,689, Sept. 4.
Making seamless capsules. A. P. and F. A. Weber. 2,566,645, Sept. 4.
Making tires. L. C. Frazier. 2,567,064, Sept. 4.
Making unsaturated ethers. R. I. Hoaglin and D. H. Hirsh. 2,566,415, Sept. 4.
Mandrel, Expansible. H. D. Paxson. 2,566,629, Sept. 4.
Manifolding ribbon mechanism. G. F. Morris. 2,566,953, Sept. 4.
Manometer, Strain gauge. V. Guillemin, Jr. 2,566,326, Sept. 4.
Manufacture of isophorone and homo-isophorones. H. C. Highet and F. E. Salt. 2,566,564, Sept. 4.
Manufacturing embossed vinyl resin film. H. S. Clemens and R. E. Thomas. 2,566,982, Sept. 4.
Marking device, Skirt. H. G. Booth. 2,567,006, Sept. 4.
Mat and making same, Mineral fiber. T. E. Philipps. 2,566,960, Sept. 4.
Match, Permanent. B. Edelberg. 2,566,560, Sept. 4.
Material for covering the walls or ceilings of rooms, Sound absorbing fibrous. J. J. Hjärtstäter. 2,567,070, Sept. 4.
Matrix band for use in filling dental cavities. V. H. Carpenter. 2,567,101, Sept. 4.
Measuring apparatus and method, Dew point. J. R. Boyle. 2,566,307, Sept. 4.
Measuring device for bowling balls. J. J. Bassi. 2,566,511, Sept. 4.
Measuring head for bore gauges, Sealed. A. Eisele. 2,566,321, Sept. 4.
Measuring instrument of the recording type. R. Elmqvist. 2,566,443, Sept. 4.
Mechanical motor. G. Vigneri. 2,566,755, Sept. 4.
Mechanism for detonating explosives. W. G. Sweetman. 2,566,682, Sept. 4.
Memorandum device. H. Lathrop. 2,566,989, Sept. 4.
Mercaptobenzothiazole, Manufacture of. H. B. H. Cooper and C. E. Mensing. 2,567,146, Sept. 4.
Merchandise package. J. O. Krihwan. 2,566,667, Sept. 4.
Metal baskets, manufacture of. J. van der Togt. 2,566,644, Sept. 4.
Metering arrangement for telephone systems. H. L. Horwitz. 2,566,330, Sept. 4.
Metering device, Milk. E. B. Knaggs. 2,566,729, Sept. 4.
Metering unit, Ram jet fuel. W. K. Deacon. 2,566,319, Sept. 4.
Micrometer caliper. F. Tvrzicky. 2,566,685, Sept. 4.
Millinery. M. M. Reddy. 2,566,635, Sept. 4.
Mine car wheel bearing support. E. Ramsay. 2,566,427, Sept. 4.
Mineral oil composition containing an alkyl thienyl ketimine. H. D. Hartough. 2,566,611, Sept. 4.
Mirror construction. C. E. Morley. 2,566,497, Sept. 4.
Mixer beater ejector. A. Robertson. 2,566,907, Sept. 4.
Modulation distortion correction. G. L. Fredendall. 2,566,698, Sept. 4.
Mold: *See*—
  Repair mold.
Mold for making plastic grids. E. Yellin. 2,566,817, Sept. 4.
Motion converting device. G. H. Leland. 2,566,571, Sept. 4.
Motion-picture projector case. M. Barnett. 2,566,714, Sept. 4.
Motor: *See*—
  Mechanical motor.
  Pressure fluid motor.
Motor for clutches, Vacuum. T. H. Thomas. 2,566,642, Sept. 4.
Mounting: *See*—
  Clutch lever mounting.
  Gun mounting.
  Tank cradle mounting.
Mounting for axleless trucks, Wheel. H. F. Flowers. 2,566,322, Sept. 4.
Mounting for axleless trucks, Wheel. H. F. Flowers. 2,566,881, Sept. 4.
Mounting of a variable pitch propeller, Roller track. M. E. Cushman. 2,566,696, Sept. 4.
Mounting or dolly, Camera. O. Halmer. 2,567,068, Sept. 4.
Muffler with plural side branch chambers. H. R. Johnson. 2,566,939, Sept. 4.
Multiple blast. G. A. Lyte. 2,566,948, Sept. 4.
Multiple connector. E. J. Lavander. 2,566,805, Sept. 4.
Multiple impregnation of papermaker's felt. O. W. Berglund. 2,567,097, Sept. 4.
Multiple-speed drill press. F. L. Nichols. 2,566,579, Sept. 4.
Multiple stage bleed heater. E. H. Krieg. 2,566,732, Sept. 4.
Nail file, Multiple grooved. M. A. West. 2,566,688, Sept. 4.
Navigation instrument, Celestial. J. C. Cable. 2,566,312, Sept. 4.
Needle, Expansile surgical. B. Richter. 2,566,499, Sept. 4.
Nozzle, Combustion spray. E. O. Olson. 2,566,532, Sept. 4.
Nozzle, Fuel spray producing. G. A. Holt and K. Brook. 2,566,888, Sept. 4.
Nut, Slip-on. S. Bloomfield. 2,566,593, Sept. 4.
Oil concentrate and preparing the same, Solid essential. W. C. Griffin. 2,566,410, Sept. 4.
One-phase antirust liquid containing an alkali metal borate and a long-chain alcohol. L. M. Burghart. 2,566,924, Sept. 4.
One-phase antirust liquid containing an alkali metal borate and mixed monoricinoleate esters. L. M. Burghart. 2,566,923, Sept. 4.
One-phase antirust liquid containing triethanolamine metaborate, triethanolamine, and a long-chain alcohol. L. M. Burghart. 2,566,926, Sept. 4.
One-phase antirust liquid containing triethanolamine metaborate, triethanolamine, and mixed monoricinoleate esters. L. M. Burghart. 2,566,925, Sept. 4.
Optical device with variable magnifying power, Auxiliary. R. H. R. Cuvillier. 2,566,485, Sept. 4.
Optical sight means for indicating the level of liquids or other reflective surfaces. R. J. Blackinton and F. E. Stewart. 2,566,789, Sept. 4.
Optical system for dual beam motorcar headlights. H. A. H. J. Schaffner. 2,566,751, Sept. 4.
Optical system, Variable magnification. H. H. Hopkins. 2,566,889, Sept. 4.
Ordnance sight. U. C. Walk. 2,566,389, Sept. 4.
Organ, Pipe. A. J. Chase. 2,566,599, Sept. 4.
Organic orthosilicates stable against hydrolysis. G. W. Pedlow, Jr., and C. S. Miner, Jr. 2,566,365, Sept. 4.
Organopolysiloxanes prepared by the reaction of salts of silanols with halosilanes. J. F. Hyde. 2,567,110, Sept. 4.
Organosilicon polymers. J. L. Speier. 2,567,131, Sept. 4.
Oven, Warming. T. H. Cline. 2,566,553, Sept. 4.
Overhead door. C. E. Schlytern. 2,567,031, Sept. 4.
Packaged unit for article handling. E. W. Van Patten. 2,566,385, Sept. 4.
Packaging machine. T. Rapp. 2,566,677, Sept. 4.
Packing box. E. M. Rose and R. W. Epps. 2,566,500, Sept. 4.
Packing flake materials, Method and apparatus for. E. H. Carruthers. 2,567,052, Sept. 4.
Pad: *See*—
  Wear pad.
Paints, Fire-retardant. H. A. Scholz and E. E. Saville. 2,566,964, Sept. 4.
Panel, Filter. O. H. Schaaf. 2,567,030, Sept. 4.
Paper ball mechanism for typewriters. C. W. Crumrine. 2,566,930, Sept. 4.
Paper clip board. F. P. Robbins. 2,566,465, Sept. 4.
Paper receptacle. D. E. Gillespie. 2,567,017, Sept. 4.
Paper roll holder. H. J. Gove. 2,566,883, Sept. 4.
Parachute construction. J. F. Smith. 2,566,585, Sept. 4.
Paste, Brazing. L. G. Klinker. 2,566,339, Sept. 4.
Pastes of gas fume fading inhibitors for acetate silk dyes, Water-dispersible. F. H. Smith. 2,567,130, Sept. 4.
Peroxide catalyzed polymerization of ethylene in the presence of a phenolic compound. L. Schmerling. 2,566,537–38, Sept. 4.
Phase rotation and polarity testing instrument. R. A. Huse and F. W. Gay. 2,566,726, Sept. 4.
Phase shift system. R. B. Dome. 2,566,876, Sept. 4.
Phenolic intercondensation resins and making same. E. E. Novotny and G. K. Vogelsang. 2,566,851, Sept. 4.
Photographic color film. R. G. Horner. 2,566,664, Sept. 4.
Picker stick linkage. G. H. Hufferd. 2,566,890, Sept. 4.
Picker stick linkage, Toggle-type. G. H. Hufferd. 2,566,891, Sept. 4.
Pin: *See*—
  Shear pin.
Pin structure, Expansible. H. Lyon. 2,566,573, Sept. 4.
Pipe: *See*—
  Pure smoke pipe.
Pipe coupling. F. Kay. 2,566,769, Sept. 4.
Pipe coupling. E. Kristensen. 2,567,113, Sept. 4.

Pistol, Water. J. Gora and J. D. Scarbrough. 2,566,487, Sept. 4.
Piston expander-shell drive-in type. G. J. Worel. 2,566,591, Sept. 4.
Piston ring. P. D. Dykes. 2,566,603, Sept. 4.
Pivot mount for variable pitch propeller blades, Preloaded. P. F. Hacsethal and R. Karey. 2,566,884, Sept. 4.
Plastic marking composition. E. R. Derby. 2,566,516, Sept. 4.
Plate, Clutch. R. C. Zeidler. 2,566,394, Sept. 4.
Plywood shaping apparatus. W. E. Radig. 2,567,122, Sept. 4.
Pneumatic train control valve. H. P. Folker. 2,566,444, Sept. 4.
Pole rest, Fisherman's. D. Montano. 2,566,496, Sept. 4.
Polymerization of butadiene-1,3 hydrocarbons in aqueous emulsion in the presence of a ferricyanide, a diazomercapto compound, and an alcohol. H. P. Brown and R. J. Houston. 2,566,821, Sept. 4.
Polyoxyethylene glycol superesters, Production of. S. M. Livengood. 2,567,076, Sept. 4.
Polystyrene beads, Production of. H. M. Hutchinson and J. J. P. Staudinger. 2,566,567, Sept. 4.
Polythiourea, Production of. A. S. Carpenter and D. L. Wilson. 2,566,717, Sept. 4.
Portable conduit-gripping tool. B. Hartman. 2,566,413, Sept. 4.
Portable power unit. W. M. Shoffner. 2,567,128, Sept. 4.
Portable refrigeration box. A. Albert. 2,566,301, Sept. 4.
Portable tool. A. Benjamin. 2,567,095, Sept. 4.
Powdered glassy phosphate composition and making the same. C. J. Munter. 2,566,424, Sept. 4.
Power-operated impact wrench. F. T. Hamlin. 2,566,661, Sept. 4.
Power plant, Gas turbine. F. M. Owner and F. C. I. Marchant. 2,567,079, Sept. 4.
Power supply means. A. J. Sorensen. 2,566,969, Sept. 4.
Power supply system. A. A. Barco. 2,566,510, Sept. 4.
Preparing a polyvalent metal soap. A. J. Morway and P. V. Smith, Jr. 2,567,023, Sept. 4.
Preparing chlorofluoroethylenes. J. J. Padbury and P. Tarrant. 2,566,807, Sept. 4.
Preparing dental investments and the like. J. J. Cantor. 2,566,596, Sept. 4.
Preparing 4,4'-nitrophenyl benzoic acid. H. E. Schroeder. 2,567,129, Sept. 4.
Preparing olefin chlorohydrins. M. Neuhaus. 2,566,355, Sept. 4.
Preparing organic polysilicates stable against hydrolysis. G. W. Pedlow, Jr., and C. S. Miner, Jr. 2,566,364, Sept. 4.
Preparing synthesis gases. A. D. Garrison. 2,566,936, Sept. 4.
Preparing uranium pentafluoride. C. J. Carignan. 2,567,143, Sept. 4.
Preservation of foodstuffs. L. S. Stoloff. 2,567,085, Sept. 4.
Press: *See*—
Multiple-speed drill press.
Pressure control for thrust nozzles for turbines. D. M. Poole. 2,566,961, Sept. 4.
Pressure control system and method, Doctor blade. G. Stevenson. 2,566,811, Sept. 4.
Pressure fluid motor. E. G. Gartin. 2,566,378, Sept. 4.
Pressure fluid motor. F. E. Sinclair. 2,566,377, Sept. 4.
Pressure gauge. H. M. Putman. 2,566,369, Sept. 4.
Pressure welding and arc welding method, Combined. J. A. Donelan. 2,567,012, Sept. 4.
Price tag and name card holder. W. E. Huelsmeyer. 2,566,837, Sept. 4.
Printed electronic circuit. A. S. Khouri and R. L. Wolff. 2,566,609, Sept. 4.
Printing machine controlled by symbol cards. C. H. Stuivenberg. 2,567,134, Sept. 4.
Producing a ferrous metal article infiltrated with a cuprous infiltrant. G. Stern. 2,566,752, Sept. 4.
Producing polychloroprene. W. E. Mochel. 2,567,117, Sept. 4.
Production of metal from oxide ores. P. Beauchesne and R. S. C. Deville. 2,566,548, Sept. 4.
Propeller and nozzle ship propulsion assembly, Screw. L. Kort. 2,566,525, Sept. 4.
Propolis mixture. L. V. France. 2,566,829, Sept. 4.
Protecting device for electric circuits. I. L. Worsham. 2,566,648, Sept. 4.
Protective attachment for safes. H. W. Srygley. 2,566,567, Sept. 4.
Protective device. J. W. Kalb. 2,566,895, Sept. 4.
Protective liner for can impellers. R. L. Berrar. 2,567,006, Sept. 4.
Protector: *See*—
Venetian blind tape protector.
Puller: *See*—
Cylinder sleeve puller.
Pulse lengthening circuit. W. N. Dean and L. P. Mautner. 2,566,827, Sept. 4.
Pump diaphragm assembly. I. E. Coffey. 2,567,055, Sept. 4.
Pump for hydraulic governing systems, Turbine type. S. Jacobs. 2,566,892, Sept. 4.
Pump piston, Renewable. J. T. Phippe. 2,566,994, Sept. 4.
Pump with high-pressure pulsating means, Grease. W. Harrigan. 2,566,702, Sept. 4.
Punching apparatus. L. F. Mitchell. 2,566,738, Sept. 4.
Pure smoke pipe. E. A. Rinkhoff. 2,566,906, Sept. 4.
Purification of oils. G. A. Mills. 2,566,353, Sept. 4.
Purification of tetrahydrophthalimides. A. D. Green, E. O. Ohsol, and A. R. Kittleson. 2,566,986, Sept. 4.
Quaternary ammonium salts of tertiary-aminoalkyl substituted phenylacetonitriles. A. W. Ruddy. 2,566,535, Sept. 4.
Reading device for rotatable dividing tables, Optical scale. C. F. Dietrich and H. J. Smith. 2,566,875, Sept. 4.
Receptacle: *See*—
Paper receptacle.
Reciprocating-saw machine, Pile cutting. A. Charlebois. 2,566,297, Sept. 4.
Record album. F. Adam. 2,566,300, Sept. 4.
Record feeding device. F. M. Carrol and A. F. Smith. 2,566,927, Sept. 4.
Record sensing device. H. H. Keen. 2,566,942, Sept. 4.
Recording and computing machine of the record controlled type, Combined typewriter. A. W. Mills, F. J. Furman, and H. L. Read. 2,566,952, Sept. 4.
Recovery process, Aromatic. H. J. Hepp. 2,566,613, Sept. 4.
Rectifier roll. L. Hornbostel. 2,566,449, Sept. 4.
Rectifier roll, Papermaking machine. E. D. Beachler. 2,566,439, Sept. 4.
Reel: *See*—
Sliding spool fishing reel, Wire unwinding reel.
Reel. S. Kaczmarek. 2,566,894, Sept. 4.
Reel for garden hose, Automatic. H. Allen. 2,566,867, Sept. 4.
Reeling mechanism for electrically operated lawn mowers, Take-up. J. L. Bilderbeck. 2,566,512, Sept. 4.
Reflex oscillator. W. G. Shepherd. 2,566,584, Sept. 4.
Refractory material and making. C. C. Teasel. 2,567,088, Sept. 4.
Refrigeration system, Dual temperature absorption. A. A. Berestneff. 2,566,480, Sept. 4.
Refrigerator, Portable. R. Wingerter. 2,566,865, Sept. 4.
Regulating shot sizes. I. M. Olsen. 2,567,121, Sept. 4.
Regulator for ploughs, Automatic cutting depth. O. Gobeil. 2,567,107, Sept. 4.
Regulator mechanism. J. B. Parsons. 2,566,745, Sept. 4.
Reinforcement for filled hollow steel blades. E. G. Griese. 2,566,701, Sept. 4.
Relay control, Close differential. A. L. Bastian. 2,566,974, Sept. 4.
Relay selecting and indicating circuit. C. O. Parks. 2,566,426, Sept. 4.
Remote control apparatus for typewriting machines. J. K. Watson. 2,566,971, Sept. 4.
Repair mold. J. C. Heintz. 2,566,797, Sept. 4.
Resetting bowling pins. G. Humber. 2,566,987, Sept. 4.
Resilient spring device. R. M. Bristol. 2,566,691, Sept. 4.
Restraining wall decking. R. H. Ringrose. 2,566,748, Sept. 4.
Resuscitation apparatus. J. H. Meuler. 2,566,351, Sept. 4.
Retaining means for industrial vehicles, Load. H. L. Voigt. 2,566,863, Sept. 4.
Reverberation control of gain. P. B. Sebring. 2,566,858, Sept. 4.
Revolution counting device with radio-active control. D. J. Allia. 2,566,868, Sept. 4.
Ring: *See*—
Piston ring.
Rifle range, Miniature. W. Geiser. 2,566,607, Sept. 4.
Roasting machine. H. D. Kammins. 2,566,524, Sept. 4.
Robot controlled limb. I. A. Goldman. 2,567,066, Sept. 4.
Rocket launcher, Self-propelled. M. J. Weber, Jr. 2,566,390, Sept. 4.
Rolling mill and lubrication method and means therefor. T. Sendzimir and J. E. Eckert. 2,566,679, Sept. 4.
Rongeur. T. O. Otto. 2,566,626, Sept. 4.
Rotary drilled hole enlarger. J. Livingstone. 2,566,671, Sept. 4.
Rotary plug valve. E. G. Schmidt. 2,567,032, Sept. 4.
Rotary refiner. E. P. Arpin, Jr. 2,566,869, Sept. 4.
Rotary sealer. J. M. Humphrey. 2,566,799, Sept. 4.
Rotor brake. C. E. Tack and W. A. Helsten. 2,567,157, Sept. 4.
Ruling control system for recorders. T. D. Thad. 2,567,158, Sept. 4.
Safe. C. B. Quinn. 2,566,370, Sept. 4.
Safety control valve. H. C. Otis. 2,566,772–5, Sept. 4.
Safety flow control device. H. C. Otis. 2,566,776, Sept. 4.
Safety shutoff control system for gas burners. W. A. Ray. 2,566,372, Sept. 4.
Sampling apparatus. S. C. Beesch. 2,566,306, Sept. 4.
Sand separator. R. A. Hill. 2,566,662, Sept. 4.
Sanitary products. H. Gans. 2,566,325, Sept. 4.
Saw, Flush cutting portable power-driven. B. L. Skinner. 2,566,778, Sept. 4.
Sawtooth frequency modulator. J. R. Day. 2,566,826, Sept. 4.
Scraper and backfilling blade attachment for tractors. O. M. Hale. 2,566,562, Sept. 4.
Scraper blade and scarifier attachment for tractors, Combined. G. H. Bartlett. 2,566,547, Sept. 4.
Screw driver and wrench with screw head and nut gripping means, Combination. C. Nygaard. 2,566,673, Sept. 4.

Screw driver, Screw-holding. W. F. Thompson. 2,566,683, Sept. 4.
Screwing and unscrewing tongs, particularly for drilling pipe joints. V. Edelberg. 2,566,561, Sept. 4.
Seal opener. R. B. Callahan and R. R. Gripp. 2,566,653, Sept. 4.
Sealing hydrocarbon conversion housings. L. J. Kelly. 2,566,896, Sept. 4.
Seat convertible to bed, Car. W. R. and R. A. Battles. 2,567,048, Sept. 4.
Seating means for wood chipper bed knives. C. A. Johnson. 2,566,938, Sept. 4.
Secateur. S. Brookes. 2,567,051, Sept. 4.
Secret or combination lock. A. Soler Capdevila. 2,566,967, Sept. 4.
Segmented ionization chamber. C. A. Tobias. 2,566,684, Sept. 4.
Selecting device. W. J. Hunt. 2,566,767, Sept. 4.
Selector mechanism for change speed hub gears of cycle wheels. W. Brown. 2,566,978, Sept. 4.
Self-sealing article. J. M. Tilton, Jr. 2,566,384, Sept. 4.
Separable fastener. N. A. Wahl. 2,567,160, Sept. 4.
Separating a fraction of benzene hexachloride rich in the gamma isomer. J. M. Scovic. 2,567,034, Sept. 4.
Separation of organic compounds. W. P. Burton and H. G. McGrath. 2,566,311, Sept. 4.
Separator: *See*—
Sand separator.
Settling device. J. P. Kolb. 2,566,988, Sept. 4.
Shaft, Extensible. W. M. Shoffner. 2,567,127, Sept. 4.
Sharpening device, Razor blade. A. San Cristóval. 2,566,909, Sept. 4.
Shear pin. R. C. Wright. 2,566,690, Sept. 4.
Shears, Cutting. H. R. Howell. 2,566,492, Sept. 4.
Shears, Metal-cutting. W. M. Shoffner. 2,567,129, Sept. 4.
Shelf with self-latching safety catch, Range. C. R. Graham. 2,566,765, Sept. 4.
Shield for motor vehicles, Radiator grill. H. E. Ekornaas. 2,566,605, Sept. 4.
Shield or guard for blower nozzles. H. and H. D. Fahrenkrog. 2,566,878, Sept. 4.
Shirt and diaper, Combination. L. L. Laughead. 2,566,844, Sept. 4.
Shock absorber, Liquid compression. R. L. Levy. 2,566,736, Sept. 4.
Shoulder strap for undergarments. J. V. Hollar. 2,566,416, Sept. 4.
Shutoff device, Positive. P. C. Livesay. 2,566,343, Sept. 4.
Shuttering for use in the manufacture of concrete structures. R. Mackie. 2,566,528, Sept. 4.
Shuttle and shuttle box therefor, Loom. E. C. Nichols. 2,566,530, Sept. 4.
Sign: *See*—
Illuminated sign.
Signal mixing system. W. E. Bradley. 2,566,820, Sept. 4.
Signaling device, Telephone. W. C. de Vries. 2,567,148, Sept. 4.
Silencer, Voice. L. L. Beranek. 2,566,975, Sept. 4.
Silicon acylates. C. A. MacKenzie. 2,566,347, Sept. 4.
Silver halide emulsions containing antifogging agents. D. J. Fry. 2,566,658–9, Sept. 4.
Skip bar for punching machines. S. Brand and J. M. Cunningham. 2,566,920, Sept. 4.
Slide switch. G. I. Dissinger. 2,566,720, Sept. 4.
Sliding spool fishing reel. G. Lord. 2,566,344, Sept. 4.
Sludge and condensate discharge for steam peelers. W. de Back. 2,567,103, Sept. 4.
Snow melting apparatus. B. S. Wilson. 2,566,473, Sept. 4.
Sorting machine. E. W. Gifford. 2,566,937, Sept. 4.
Sorting machine. O. Z. Wiseman. 2,566,756, Sept. 4.
Sound dispersing device. F. A. Manley. 2,566,422, Sept. 4.
Spindle, Brush. G. L. N. Meyer. 2,566,621, Sept. 4.
Spinning apparatus, Continuous. W. Bakker and B. J. Blomberg. 2,566,438, Sept. 4.
Spirit level. T. F. Vaida. 2,566,542, Sept. 4.
Spray device. B. A. Tetzlaff. 2,566,781, Sept. 4.
Spraying device. J. W. Buss. 2,567,099, Sept. 4.
Spring type clutch. W. C. Starkey. 2,566,539, Sept. 4.
Sprinkling device. E. W. Rose. 2,566,856, Sept. 4.
Stabilization of polymerized chloro-substituted ethylenes. C. J. Chaban. 2,566,791, Sept. 4.
Stabilization of unsaturated ketones. H. Dannenberg. 2,566,792, Sept. 4.
Stabilized iodoxy benzoic compounds and the producing. T. C. Aschner. 2,566,592, Sept. 4.
Staple extractor. A. H. Maynard. 2,567,021, Sept. 4.
Starch composition. C. G. Landes and J. Studeny. 2,566,842, Sept. 4.
Starch composition. J. Studeny. 2,566,861–2, Sept. 4.
Starter mount, Quick detachable. R. E. Sears. 2,566,466, Sept. 4.
Starting device for outboard motors, Manually operated. R. C. Heidner. 2,566,834, Sept. 4.
Steam-heated ironing board. J. W. and L. Coumerilh. 2,567,056, Sept. 4.
Steering and drive control, Wheel chair. K. Ginsterblum. 2,567,065, Sept. 4.
Steering system, Differential hydraulic. H. P. Kupiec. 2,567,074, Sept. 4.

Stencil apparatus, Silk screen. J. A. Black and E. A. Stouten. 2,566,919, Sept. 4.
Step for motor vehicles and the like, Swingable. L. Bustin. 2,566,401, Sept. 4.
Stereoscopic and stereosonic television system. A. N. Goldsmith. 2,566,700, Sept. 4.
Stereotype casting machine. W. Peterson. 2,566,581, Sept. 4.
Sterold hydroxythioesters. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,566,341, Sept. 4.
Sterold thioesters. R. H. Levin, A. V. McIntosh, Jr., and G. B. Spero. 2,566,342, Sept. 4.
Stethoscope head with tongue depressor. C. T. Wehby. 2,566,687, Sept. 4.
Stocking run mender. J. H. Taylor and H. O. Schomer. 2,566,780, Sept. 4.
Stoker, Locomotive. J. Kane. 2,566,419, Sept. 4.
Stone catcher. H. E. Zitkowski. 2,566,395, Sept. 4.
Strain relief device. R. H. Stotenbur. 2,566,912, Sept. 4.
Strip terminal connector. G. R. Paine, A. H. Frederick, and C. K. Gaertner. 2,566,425, Sept. 4.
Stripping cathode. W. Symmes. 2,566,467, Sept. 4.
Stripping mechanism for block molding machines. T. K. Zevely. 2,566,787, Sept. 4.
Stroke control means for hydraulic pumps and motors. R. F. Horton. 2,566,418, Sept. 4.
Structural member. W. R. Miller. 2,566,622, Sept. 4.
Stud chuck, Bent. R. W. Murdock. 2,567,024, Sept. 4.
Sugar separation. G. C. Docal. 2,567,060, Sept. 4.
Sulfoacetic acid anhydrides and their preparation. C. W. Smith. 2,566,810, Sept. 4.
Support: *See*—
Foot support. Mine car wheel bearing support.
Lamp support.
Support for laboratory filtering apparatus or the like. W. B. Sobers. 2,566,430, Sept. 4.
Support for prosthetic hands. S. S. Rocklin. 2,566,375, Sept. 4.
Supporting device. H. C. Fox. 2,567,063, Sept. 4.
Surface marking machine. E. R. Myers. 2,566,624, Sept. 4.
Surface supported device for gripping a receptacle and removing the closure and having a single operator. J. F. Castner. 2,566,598, Sept. 4.
Suspension for steerable wheels. J. P. Butterfield. 2,567,144, Sept. 4.
Switch: *See*—
Conveyer switch. Limit switch.
Electric switch. Maintained pressure snap switch.
High-voltage electric switch. Slide switch.
Switch for locks, Alarm. J. G. Hofer. 2,566,836, Sept. 4.
Switch for telephone substation sets. C. L. Krumreich. 2,566,840, Sept. 4.
Switch unit, Brake fluid operated. S. B. Alcoriza. 2,566,545, Sept. 4.
Synchronizing circuit. G. L. Grundmann. 2,566,832, Sept. 4.
Synchronizing mechanism, Secondary clock. R. B. Johnson and E. F. Geiger. 2,566,940, Sept. 4.
Synchronizing signal separator and keyed automatic gain control. G. W. Fyler. 2,566,763, Sept. 4.
Synthesis gas, Manufacture of. B. J. Mayland and A. Clark. 2,566,620, Sept. 4.
Synthesis of di-aryl cyclic ethers. M. Orchin and E. O. Woolfolk. 2,566,357, Sept. 4.
Syringe, Disposable ampulla. G. R. Ryan and F. H. Young. 2,566,428, Sept. 4.
System for analyzing code perforations. J. N. Wheeler. 2,566,972, Sept. 4.
System for eliminating or greatly reducing the errors in gyroscopic devices or the like. H. R. Beacom. 2,566,305, Sept. 4.
Table: *See*—
Adjustable height ironing table. Center extension table.
Ironing table.
Table and cabinet, Combination. K. W. Murray. 2,566,954, Sept. 4.
Tank cradle mounting. C. H. Folmsbee. 2,567,015, Sept. 4.
Tank seam. T. Schmidt. 2,566,777, Sept. 4.
Tappet adjusting tool. E. Weglars. 2,566,543, Sept. 4.
Target game, Displaceable. H. F. Wheeler. 2,567,002, Sept. 4.
Teething aid. P. C. Cameron. 2,566,595, Sept. 4.
Telautographic instrument. G. W. Barnes, Jr., R. M. Johnson, and W. P. Wills. 2,566,546, Sept. 4.
Temperature indicating apparatus. A. L. Christenson and C. E. Jackson. 2,566,314, Sept. 4.
Tertiary alkoxy amino silanes. G. W. Pedlow, Jr., and C. S. Miner, Jr. 2,566,363, Sept. 4.
Tertiary-alkoxy chlorosilanes. G. W. Pedlow, Jr., and C. S. Miner, Jr. 2,566,956, Sept. 4.
Tertiary-alkoxy chlorosilanes. G. W. Pedlow, Jr., and C. S. Miner, Jr. 2,566,957, Sept. 4.
Tester, Fuel pump. C. A. Odell. 2,566,742, Sept. 4.
Tetra-alkylmonothionopyrophosphate and preparation. G. M. Kosolapoff. 2,567,154, Sept. 4.
Thermostatic control. W. W. Compton and P. A. Cooper. 2,566,655, Sept. 4.
Thread remover for looms, Yieldable pneumatic. A. C. Krukonis. 2,566,839, Sept. 4.

Throwout device for door operators. A. H. Sauter. 2,567,027, Sept. 4.
Tide power generator. J. H. Griswold. 2,566,447, Sept. 4.
Tie knot form. G. J. Dorusak. 2,566,760, Sept. 4.
Tip and shank for hammer mills. C. E. Anderson. 2,566,758, Sept. 4.
Tire casing or similar laminated article. G. C. Hessney and J. W. Martindale. 2,566,329, Sept. 4.
Tire construction. G. C. Hessney and J. W. Martindale. 2,566,328, Sept. 4.
Toaster, Automatic electric. J. H. Palmer. 2,566,904–5, Sept. 4.
Tool: *See*—
Bridging plug setting tool.
Cable drilling tool.
Cylinder sleeve removing tool.
Portable conduit-gripping tool.
Portable tool.
Tappet adjusting tool.
Valve spring compressing tool.
Tool for contracting hollow watch parts. L. A. and J. A. Cormier. 2,566,695, Sept. 4.
Tool for expanding and contracting culvert bands. H. W. Laschke. 2,566,454, Sept. 4.
Toothbrush with divergent sweep-action tuft rows. G. W. Pifer. 2,567,080, Sept. 4.
Tong assembly. A. L. Stone. 2,567,039, Sept. 4.
Top for boats, Adjustable. A. Lindsey. 2,566,572, Sept. 4.
Torsion indicating device. E. T. Howes. 2,566,566, Sept. 4.
Toy crane. F. H. Stickle. 2,567,083, Sept. 4.
Toy for blowing smoke-filled bubbles. M. A. Brosseit. 2,566,296, Sept. 4.
Tracking system, Radar range. W. A. Huber and W. T. Pope, Jr. 2,566,331, Sept. 4.
Trailer and truck bed, Convertible. E. W. Boulden. 2,566,977, Sept. 4.
Trailer for transporting vehicles. C. C. Carey. 2,567,100, Sept. 4.
Transmission and clutch control. E. E. Wemp. 2,567,043, Sept. 4.
Transmission and control. E. E. Wemp. 2,567,042, Sept. 4.
Transmission control. W. T. Dunn. 2,567,061, Sept. 4.
Treating electrolytic coatings. E. S. Taylerson. 2,566,468, Sept. 4.
Treating pills. J. R. Fisher. 2,567,106, Sept. 4.
Treating roll mounting and roll drive. J. E. Erhardt, Jr. 2,566,766, Sept. 4.
Treating tobacco. R. D. Touton. 2,566,589, Sept. 4.
Treatment of lactealsera. E. Abrahamczik, H. Petrovicki, and F. Schaffernak. 2,566,477, Sept. 4.
Tree-tapping machine, Body supported portable. L. Redenbach. 2,566,464, Sept. 4.
Trimmer, Radio altimeter. J. H. Purl. 2,566,368, Sept. 4.
Trough, Combination poultry feed. R. A. Mangieri. 2,566,899, Sept. 4.
Trough for downspouts, Automatically regulated leadaway. L. W. Benck. 2,567,004, Sept. 4.
Tube: *See*—
Antisiphoning spray tube.
Tube control for sawtooth generators, Reactance. R. R. English. 2,566,762, Sept. 4.
Tube for hearing aids, Sound conducting. L. D. Cates. 2,566,313, Sept. 4.
Tunable magnetron. C. W. Becker. 2,566,478–9, Sept. 4.
Tuning control for thermally tuned devices or oscillators. E. E. Crump. 2,566,825, Sept. 4.
Turntable as used for display purposes and friction drive mechanism therefor. W. Odenthal. 2,566,674, Sept. 4.
Turntable, Garage. D. E. Ready. 2,566,634, Sept. 4.
Tuyère changing machine. R. A. Roberts. 2,566,637, Sept. 4.
Typesetting means in record controlled printing machine. J. Last. 2,566,944, Sept. 4.
Typing machine, Stencil. J. L. Petz. 2,566,959, Sept. 4.
U-bolt connector. H. E. Hoadley. 2,566,725, Sept. 4.
Undervoltage trip and lockout. C. J. Yarrick. 2,566,866, Sept. 4.
Unsubstituted ethylene polymer coating compositions. S. Hochberg. 2,567,108, Sept. 4.
Urinal having a flushing channel therein for disposal of paper. F. J. M. Knitel. 2,566,770, Sept. 4.
Valve: *See*—
Cylindrical valve.
Dispensing valve.
Hydraulic safety valve.
Hydraulic valve.
Pneumatic train control valve.
Rotary plug valve.
Safety control valve.
Value indexing mechanism. G. V. Nolde. 2,567,120, Sept. 4.
Valve actuating mechanism or the like. R. P. Setka. 2,567,033, Sept. 4.
Valve construction. F. W. Marsh. 2,566,576, Sept. 4.
Valve construction, Jet engine. W. T. Knight. 2,566,730, Sept. 4.
Valve for air bags. F. C. Greene. 2,566,766, Sept. 4.
Valve for surface coating mops, having a cord operated valve actuating lever, Dispensing. S. Schulman. 2,566,429, Sept. 4.
Valve spring compressing tool. M. P. Mihalic. 2,566,460, Sept. 4.
Valve structure for fuel burners, Safety. W. A. Ray. 2,567,123, Sept. 4.
Valve system for hydraulic transmissions. W. A. Hunter. 2,567,152, Sept. 4.
Valve tappet, Adjustable. C. H. Nickell. 2,567,078, Sept. 4.
Variable pressure fluid control circuit. E. J. Svenson. 2,566,380, Sept. 4.
Variable resistance. B. B. Scott. 2,566,911, Sept. 4.
Variable-speed drive. W. M. Schweickart. 2,566,997, Sept. 4.
Vehicle construction, Dump. A. R. Cunningham. 2,566,556, Sept. 4.
Vehicle control system, Traction. I. W. Lichtenfels, and H. G. Moore. 2,566,898, Sept. 4.
Vehicle directional signal lamp. R. Daon. 2,566,404, Sept. 4.
Vehicle steering knuckle mechanism for effecting sharp turns. S. E. Hill. 2,566,565, Sept. 4.
Venetian blind tape protector, L. L. Woodbury, 2,566,474, Sept. 4.
Vibrator. E. B. Cook. 2,566,316, Sept. 4.
Vibrator. A. J. Roubal. 2,566,317, Sept. 4.
Vibrator machine. L. G. Coury. 2,566,484, Sept. 4.
Vinyl monomer compositions stabilized against the deleterious effects of copper and copper compounds. S. A. Moore and P. Kass. 2,566,739, Sept. 4.
Viscose products, Manufacture of. R. E. Levison and B. J. Blomberg. 2,566,457, Sept. 4.
Vision plotting device. L. R. Wottring. 2,567,003, Sept. 4.
Visor, Sun. R. H. Holland, and T. W. Stephenson. 2,566,523, Sept. 4.
Vitreous material and making. F. L. Michael. 2,566,902, Sept. 4.
Vulcanization of butadiene copolymer rubbers. B. M. Sturgis and A. A. Baum. 2,567,135, Sept. 4.
Washer with rotating disks, Mechanical egg. F. B. Wright. 2,566,475, Sept. 4.
Watch casing. L. M. Newhouse. 2,566,741, Sept. 4.
Water filter. D. H. Quinn. 2,566,371, Sept. 4.
Water heater. C. R. Bernstrom. 2,566,976, Sept. 4.
Wave focusing device, Radio. H. Iams. 2,566,703, Sept. 4.
Wear pad. C. A. Shoults and G. G. Walker. 2,566,638, Sept. 4.
Weaving device, Hand. H. Epstein. 2,566,657, Sept. 4.
Welder, Flash. A. H. Lewis. 2,566,670, Sept. 4.
Wetting and detergent composition. E. A. Vitalis. 2,567,159, Sept. 4.
Wheel: *See*—
Forged wheel.
Wheel cover. G. A. Lyon. 2,566,345, Sept. 4.
Wheel for centrifugal pumps, Rotor. E. Egger. 2,566,795, Sept. 4.
Wheel head, Glass cutter. G. C. Wyman. 2,566,544, Sept. 4.
Wheel structure. J. C. Barker. 2,567,142, Sept. 4.
Wheel suspension, Cantilevered trailer. O. J. Wolfe. 2,566,393, Sept. 4.
Wiener processing apparatus. E. Rockoff. 2,566,966, Sept. 4.
Windshield shade and traffic signal finder, Combined vehicle. R. E. Dieterich. 2,566,934, Sept. 4.
Winding machine. E. J. Abbott. 2,566,299, Sept. 4.
Winding machine, Rope. D. J. Yake. 2,566,973, Sept. 4.
Window. A. Taurman. 2,566,433, Sept. 4.
Window and Venetian blind, Combination. G. R. Smith. 2,566,640, Sept. 4.
Window construction. W. R. Cordrey. 2,566,554, Sept. 4.
Window structure. C. C. Jackson and H. W. Smith. 2,567,153, Sept. 4.
Wire unwinding reel. A. O. Jackson and C. L. Jackson. 2,566,801, Sept. 4.
Wire winding and tensioning device. J. A. Morton. 2,566,848, Sept. 4.
Wood chipper, Rotary disk. J. R. Dunbar. 2,566,721, Sept. 4.
Woven fabric. N. M. Cohen. 2,566,482, Sept. 4.
Wrench: *See*—
Power-operated impact wrench.
Yarn cake by radial liquid flow, Fluid treating. J. B. Steiding and F. F. Sutherland. 2,566,431, Sept. 4.
Zirconium and hafnium separation process. E. H. Huffman and L. J. Beaufait, Jr. 2,566,665, Sept. 4.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 4, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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	83:	2,566,545		42.42:	2,566,303		36:	2,566,606		39:	2,566,964		674:	2,566,613		77:	2,566,715
		2,566,704		48:	2,567,054			2,566,762		45.5:	2,566,791	261—	108:	2,566,732		181:	2,566,991
	106:	2,566,866	225—	8:	2,566,588			2,566,981			2,567,016	262—	33:	2,566,675		187.1:	2,566,322
	118:	2,566,648			2,566,960		40:	2,566,746		56:	2,566,851	264—	14:	2,566,728			2,566,881
	138:	2,567,112	226—	22:	2,567,052		44:	2,567,057		63:	2,566,302	265—	54:	2,567,161		201:	2,566,421
	148:	2,567,022		99:	2,566,677		51:	2,566,684		75:	2,567,078	266—	4:	2,566,678	309—	12:	2,566,501
	162:	2,566,917	229—	17:	2,567,017		63:	2,566,998		79:	2,566,717		25:	2,567,007		23:	2,566,994
201—	48:	2,566,369	235—	1:	2,567,098		74:	2,566,490		83.7:	2,567,135	267—	1:	2,566,691		44:	2,566,603
	62:	2,566,911			2,567,133		227:	2,567,036		84.1:	2,566,821		19:	2,566,393	311—	35:	2,566,800
	63:	2,566,335		61.7:	2,566,947	251—	91:	2,567,032		88.7:	2,567,109		64:	2,566,736	312—	20:	2,566,714
204—	36:	2,566,468		61.9:	2,566,952		102:	2,566,885		91.5:	2,566,567	268—	58:	2,567,029		77:	2,566,808
	180:	2,566,308			2,567,134		118:	2,566,609		92.3:	2,567,117	271—	10:	2,566,822		203:	2,566,954
	195:	2,566,676		61.11:	2,566,942		119:	2,566,576		94.9:	2,566,537			2,566,927		333:	2,566,370
	281:	2,566,467		79:	2,567,120		167:	2,566,343			2,566,538			2,566,931	313—	108:	2,566,349
206—	42:	2,567,089		92:	2,566,610	252—	33.6:	2,567,023		239.57:	2,566,352	273—	45:	2,566,987	315—	5:	2,566,584
	62:	2,566,300		103:	2,566,868		42.1:	2,566,793		247.5:	2,566,376		49:	2,566,379			2,566,825
	65:	2,566,385		144:	2,566,835		46.6:	2,566,397		286:	2,566,723		102:	2,567,002		27:	2,566,432
	78:	2,566,667	236—	92:	2,566,655			2,566,398		293:	2,566,535		126:	2,566,681			2,566,510
209—	81:	2,566,767	237—	12.1:	2,567,143		47:	2,566,611		294.7:	2,566,360	274—	10:	2,566,462		40:	2,566,478
	91:	2,566,756	240—	41.25:	2,566,751		74:	2,566,924		306:	2,567,146	279—	66:	2,567,024			2,566,479
	110:	2,566,937		51.11:	2,566,845		75:	2,566,925		326:	2,566,986	280—	11.2:	2,566,747		347:	2,566,895
	137:	2,566,608			2,567,014			2,566,926			2,566,992		96.2:	2,567,144	318—	33:	2,566,831
	456:	2,566,395	241—	37:	2,566,949		76:	2,566,923		327:	2,566,810		103:	2,566,565		48:	2,566,897
210—	58:	2,566,988		92:	2,566,721		78:	2,566,623		332.2:	Re.23,405		167:	2,566,401		63:	2,566,898
	87:	2,566,662			2,566,938		138:	2,566,501			Re.23,406	281—	6:	2,566,989		221:	2,566,974
	113:	2,566,371		197:	2,566,758		152:	2,567,159		335:	2,566,357	285—	123:	2,566,769	321—	68:	2,567,116
	165:	2,567,062			2,566,798		153:	2,566,298		368:	2,567,132		126:	2,567,113	323—	74:	2,566,666
211—	68:	2,566,650		217:	2,566,583		181:	2,566,424		397.1:	2,566,341		210:	2,566,654	332—	7:	2,566,820
	99:	2,566,765	242—	31:	2,566,299		330:	2,566,979			2,566,342	288—	3:	2,566,448		9:	2,566,826
212—	21:	2,567,083		45:	2,566,848			2,566,980		397.3:	2,566,336	290—	58:	2,566,618		23:	2,566,405
214—	65.3:	2,566,616		55.2:	2,566,853		373:	2,566,620		404:	2,566,515	292—	250:	2,566,771		45:	2,566,876
	113:	2,566,863		72:	2,566,629			2,566,936		407:	2,567,106		337:	2,566,470	343—	7:	2,566,331
217—	13:	2,566,500		84.4:	2,566,344		439:	2,566,521		409:	2,566,362	294—	7:	2,567,091		9:	Re.23,403
219—	4:	2,566,670		84.7:	2,566,803		465:	2,567,140		413:	2,566,359		67:	2,566,577		11:	2,566,332
	6:	2,567,020		86:	2,566,867	253—	4:	2,566,447		440:	2,566,382		90:	2,567,044	346—	33:	2,566,420
	10:	2,566,318		126:	2,566,334	254—	28:	2,567,021			2,566,383		93:	2,566,507		75:	2,566,443
		2,566,646		127:	2,566,804		130:	2,566,454		448.2:	2,567,110		103:	2,566,489		139:	2,566,546

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,566,298:	252—153	2,566,420:	346—33	2,566,555:	259—8	2,566,724:	56—24	2,566,897:	318—48	2,567,057:	250—44						
2,566,299:	242—31	2,566,424:	252—181	2,566,567:	260—91.5	2,566,741:	58—91	2,566,898:	318—63	2,567,062:	210—165						
2,566,302:	260—63	2,566,429:	15—131	2,566,577:	294—67	2,566,751:	240—41.25	2,566,907:	259—84	2,567,088:	248—184						
2,566,320:	110—1	2,566,436:	99—275	2,566,584:	315—5	2,566,755:	185—39	2,566,910:	28—1	2,567,077:	106—58						
2,566,339:	113—110	2,566,439:	29—121	2,566,588:	225—8	2,566,769:	285—123	2,566,919:	101—127.1	2,567,095:	30—228						
2,566,340:	62—99	2,566,441:	154—43	2,566,600:	128—52	2,566,793:	252—42.1	2,566,920:	164—112	2,567,108:	260—29.1						
2,566,349:	313—108	2,566,442:	15—184	2,566,612:	43—42.31	2,566,800:	311—35	2,566,948:	102—23	2,567,109:	260—88.7						
2,566,353:	196—52	2,566,475:	51—24	2,566,635:	2—192	2,566,815:	167—33	2,566,952:	235—61.9	2,567,135:	260—83.7						
2,566,372:	158—131	2,566,489:	294—103	2,566,650:	211—65	2,566,823:	128—225	2,566,957:	117—121	2,567,136:	44—15						
2,566,376:	260—247.5	2,566,493:	30—162	2,566,653:	30—300	2,566,825:	315—5	2,566,958:	198—31	2,567,140:	252—465						
2,566,381:	60—51	2,566,505:	29—148	2,566,662:	210—57	2,566,830:	177—319	2,566,984:	172—126	2,567,148:	179—2						
2,566,383:	260—440	2,566,506:	103—54	2,566,665:	23—18	2,566,860:	225—8	2,567,010:	167—33	2,567,151:	137—157						
2,566,391:	198—37	2,566,507:	294—93	2,566,672:	248—174	2,566,877:	220—90	2,567,011:	260—487	2,567,159:	252—152						
2,566,407:	33—169	2,566,512:	56—25.4	2,566,677:	226—99	2,566,882:	179—1.5	2,567,023:	252—33.6								
2,566,408:	177—329	2,566,533:	93—3	2,566,682:	102—21	2,566,884:	170—160.23	2,567,035:	192—8								
2,566,410:	167—86	2,566,548:	75—40	2,566,684:	250—51	2,566,885:	24—81	2,567,036:	250—227								
2,566,414:	153—3	2,566,553:	126—21	2,566,689:	25—30	2,566,888:	299—107.4	2,567,044:	294—90								
2,566,416:	2—73	2,566,554:	20—55	2,566,716:	260—8	2,566,892:	103—2	2,567,052:	226—22								

CLASSIFICATION OF DESIGNS

D 2— 3:	Des. 164,433	D14—30:	Des. 164,436	D34— 4:	Des. 164,434	D44—21:	Des. 164,406	D54— 1:	Des. 164,424	D80— 1:	Des. 164,437
	Des. 164,445	D20— 3:	Des. 164,438	5:	Des. 164,458	25:	Des. 164,413	D58— 2:	Des. 164,442	8:	Des. 164,455
D 3—11:	Des. 164,427	D26— 1:	Des. 164,462	11:	Des. 164,400	29:	Des. 164,448	8:	Des. 164,449	D81—19:	Des. 164,447
	Des. 164,428	D29— 1:	Des. 164,450	15:	Des. 164,398		Des. 164,459	25:	Des. 164,415	21:	Des. 164,420
	Des. 164,429	D31— 2:	Des. 164,446		Des. 164,454	D47— 7:	Des. 164,411	26:	Des. 164,430		Des. 164,421
D 4— 3:	Des. 164,431	D33— 2:	Des. 164,432	D35— 3:	Des. 164,432		Des. 164,439	D59— 2:	Des. 164,418	D85— 2:	Des. 164,414
D 7— 4:	Des. 164,397	3:	Des. 164,464	D37— 1:	Des. 164,303	D48— 2:	Des. 164,399	D61— 1:	Des. 164,441	D86—10:	Des. 164,460
5:	Des. 164,456	7:	Des. 164,425	D44— 9:	Des. 164,404	D49— 1:	Des. 164,443	D62— 4:	Des. 164,435	D91— 3:	Des. 164,422
	Des. 164,457	8:	Des. 164,426		Des. 164,405		Des. 164,444	D64—12:	Des. 164,401		
D14— 6:	Des. 164,410	13:	Des. 164,416	10:	Des. 164,407	D52— 1:	Des. 164,453	D72— 1:	Des. 164,409		
	Des. 164,461		Des. 164,417	15:	Des. 164,408	3:	Des. 164,412		Des. 164,423		
14:	Des. 164,402	D34— 2:	Des. 164,463		Des. 164,451	7:	Des. 164,419	D74— 1:	Des. 164,440		

U. S. GOVERNMENT PRINTING OFFICE: O—1951

Condition of Applications Under Examination at Close of Business Aug. 17, 1951

Total number of patent applications awaiting action, 111,418. Date of oldest new application, September 15, 1950; date of oldest amended application, September 20, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-9-50	10-2-50	2402
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-7-50	11-2-50	1447
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	12-12-50	12-11-50	1576
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	10-17-50	10-17-50	1976
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	1-3-51	1-3-51	954
6. SURLE, H., Carbon Chemistry (part)	11-10-50	11-1-50	1806
7. GONSALVES, J. E., Optics; Photography (part)	12-12-50	12-11-50	1259
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	11-1-50	11-1-50	1984
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	10-26-50	10-26-50	1600
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	10-27-50	10-24-50	1241
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	10-24-50	10-19-50	1031
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-14-50	11-3-50	1259
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	10-10-50	10-9-50	1307
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	10-5-50	10-3-50	1636
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-12-51	1-10-1	1301
16. LOVEWELL, N. N., Television, Telephony	10-19-50	10-20-50	1393
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	10-20-50	10-17-50	1580
18. KURZ, J. A., Power Plants; Speed Responsive Devices	11-18-50	11-21-50	1286
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	10-4-50	10-3-50	1252
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	10-14-50	10-14-50	1549
21. MADER, R. C., Textiles; Package and Article Carriers	10-2-50	10-2-50	1819
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	10-26-50	10-17-50	1253
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	10-17-50	10-4-50	914
24. DRACAPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	1-2-51	12-22-50	1778
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	11-29-50	10-30-50	1381
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	10-19-50	10-19-50	1207
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	10-10-50	10-10-50	2238
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-7-50	10-3-50	1582
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-22-50	11-18-50	1839
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	12-11-50	12-9-50	1661
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-9-50	11-28-50	2046
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	10-9-50	10-4-50	1404
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	11-3-50	11-2-50	2229
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	10-2-50	10-4-50	1319
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	10-13-50	10-13-50	1698
36. McFADYEN, A. D., Measuring and Testing	10-18-50	10-9-50	1324
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	11-21-50	11-21-50	1410
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-14-50	11-30-50	1329
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	10-10-50	10-12-50	2634
40. DRUMMOND, E. J., Receptacles (part); Packages	10-16-50	10-11-50	2869
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	10-7-50	10-9-50	1377

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 111,418. Date of oldest new application, September 15, 1950; date of oldest amended application, September 20, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	10-17-50	10-24-50	2050
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-15-51	1-15-51	1007
44. HARVEY, L. P., Beds; Chairs, Seats	10-13-50	10-12-50	1568
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	9-28-50	9-27-50	1724
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	11-18-50	10-26-50	1136
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	11-2-50	10-16-50	1493
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	11-22-50	11-18-50	1005
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	11-6-50	10-30-50	1538
50. LEVIN, S., Synthetic Resins	2-3-51	1-9-51	1423
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	10-12-50	10-11-50	1207
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	9-15-50	9-20-50	3180
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	11-30-50	12-5-50	1002
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	10-27-50	10-11-50	1758
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	12-6-50	12-5-50	1162
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	11-21-50	11-24-50	1605
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	1-18-51	1-15-51	1084
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	10-30-50	10-20-50	1301
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	11-17-50	11-14-50	1334
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	10-27-50	11-14-50	1331
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	10-6-50	10-2-50	1645
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	10-16-50	10-12-50	1762
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	12-18-50	12-4-50	1614
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	1-8-51	1-4-51	1854
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	11-18-50	11-21-50	1651
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	10-5-50	10-4-50	1287
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-1-50	11-21-50	1490
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	11-2-50	11-4-50	1745
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	10-4-50	10-4-50	1439
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	10-3-50	9-27-50	1709
DESIGNS: A. BREHM, G. L., Industrial Arts	4-5-51	4-9-51	701
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	3-14-51	4-2-51	1463

Total number of trade-mark applications awaiting action (including renewals and republications), 18,514
Date of oldest new application, December 28, 1950; date of oldest amended application, December 20, 1950

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	1-2-51	12-22-50	5614
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	2-9-51	12-20-50	3389
Renewals (All Classes)	6-8-51	7-12-51	815
Republications (All Classes)	6-28-51	7-12-51	292
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	12-28-50	12-21-50	4496
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	1-9-51	1-2-51	3908

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MAXWELL ET AL.

No. 5785. April 10, 1951

[188 F.2d 479; 89 USPQ 387]

1. PATENTABILITY—PROCESS—INVENTION IN USE OF NEW PRODUCT.

Although the steps of the process, as steps only, were old in the art, *Held* that the appellants may be accredited with invention over the common assignee's patent to the product used, since neither it or any equivalent had ever been used in the making of paper and the product used in carrying out the process should be given weight.

2. SAME—PARTICULAR SUBJECT MATTER—PAPER MAKING METHOD AND PRODUCT.

Certain claims to a process of making paper and product thereof *Held* inventive over the claims of the assignee's patent.

APPEAL from Patent Office. Serial No. 453,032.

REVERSED.

Cameron, Kerkam and Sutton (*Ralph H. Hudson* and *William P. Spielman* of counsel) for appellants.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner, hereinafter referred to as the Examiner, of all the claims, eight in number, in appellants' application, Serial No. 453,032, entitled "Manufacture of Cellulose Products of Improved Wet Strength."

The appealed claims are numbered 26 to 33, inclusive, and in the brief before us on behalf of appellants it is requested that the appeal be dismissed as to claim 33. That request will be granted.

The following descriptive matter is taken from the brief for appellants:

The claims on appeal are directed to resin-bonded wet strength paper, i. e., to paper wherein the individual cellulosic fibers are bound together by a cured thermosetting resin so that the paper retains a large proportion of its mechanical strength when saturated with water. Claims 26, 27 and 30–32 define a method wherein a cationic melamine-formaldehyde resin in the form of a colloidal solution is united chemically with the paper-making fibers while they are suspended in water. The treated fibers are then made into paper by the usual forming procedures and the resin is cured during the subsequent heating step that is always employed in paper mills to dry the paper. Claims 28 and 29 define the novel paper so obtained.

The Board of Appeals regarded claim 26 as illustrative of all the claims and held that if it be not allowable all the claims must fall, but in the brief for appellants it is said that claim 32 is the most specific of the appealed claims, and it is argued that the product claims 28 and 29 "define a new article of manufacture which is patentable independently of its method of manufacture."

We quote here claim 26:

26. A method of making paper having both increased folding endurance and higher wet tensile strength as compared with paper of the same basis weight but containing no resin which comprises adding to a water suspension of cellulosic papermaking fibers a quantity of a colloidal solution of cationic melamine-formaldehyde resin such that an amount of said resin within the range of a few tenths of one per cent up to four per cent by weight is adsorbed by the cellulosic fibers, said colloidal solution of cationic melamine-formaldehyde resin having a glass electrode pH within the range of about 0.5 to 4.0 when measured at 15% solids and containing approximately 2 mols of combined formaldehyde for each mol of melamine and having visible blue haze indicating a stage of polymerization at which the particles are of a size that will react with said fibers, forming the treated fibers into paper and heating the paper to cure the resin adsorbed therein.

Claims 28 and 32 are reproduced hereinafter.

The application involved was filed July 31, 1942, and was under prosecution in the Patent Office for a long period of time, the final decision of the Board of Appeals not having been rendered until September 15, 1949. The history of its prosecution need not be recited in detail. First and last, various prior art references were cited by the Examiner, ten being listed in his statement following the appeal to the Board. The latter, however, under the view which it took of the case, in effect, overruled all the grounds of rejection advanced by the Examiner, except one which was expressed in his statement after the appeal to the Board as follows:

Claims 26 to 33 inclusive stand rejected as unpatentable over the claims of Wohnsiedler et al. in view of Smith as set forth by the decision of the Board of Appeals (Paper No. 19) in considering similar claims then on appeal. While the instant claims recite the Wohnsiedler et al. resin in somewhat different terms than in the claims then under appeal, the process steps and the product are deemed at least substantially identical with the process steps and the product covered by the claims considered by the Board of Appeals.

The decision so referred to was rendered by the Board of Appeals August 11, 1947. Following that decision the appellants sought remand of the case to the Primary Examiner. The Board denied the motion to remand, but upon petition to the Commissioner it was granted. So, this case was twice prosecuted to final rejection before the Primary Examiner and has been twice before the Board upon appeals.

In view of the Board's decision, the only references which require consideration here are the following patents: Wohnsiedler et al., 2,345,543, March 28, 1944; Smith, 2,343,095, February 29, 1944.

Vol. 650 • No. 1 Tuesday, September 4, 1951 Price $33.00 per year

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It appears that the Wohnsiedler et al. application was filed on the same day that the application of appellants was filed—that is, July 31, 1942—and it further appears that both applications were assigned to the American Cyanamid Company, the actual party in interest in the case. This situation obviously created a "stumbling" block for appellants' application.

The application for the Smith patent was filed August 3, 1940.

The patent of Wohnsiedler et al. embraces three claims, each of which is drawn to a composition of matter. For purposes of comparison we here quote (in parallel columns)[1] claim 1 of the Wohnsiedler et al. patent and claims 28 and 32 involved in this appeal.

Wohnsiedler et al. Claim 1

1. A colloidal aqueous solution of a partially polymerized, positively charged melamine-formaldehyde condensation product having a glass electrode pH value within the range of about 0.5 to about 3.5 when measured at 15 percent solids, said condensation product containing about 2–2.5 mols of combined formaldehyde for each mole of melamine and having a degree of polymerization less than that which characterizes gels and precipitates which are undispersible by agitation with water but sufficient to bring the particles thereof within the colloidal range, said condensation product having a definite positive electrical charge as shown by its migration toward the cathode upon electrophoresis of the solution.

Appealed Claim 28

28. Paper composed of waterlaid cellulosic fibers bonded together by an amount of heat-cured melamine-formaldehyde resin within the range of a few tenths of one per cent up to four per cent of the dry weight of said fibers, said paper having both increased folding endurance and higher wet tensile strength as compared with paper of the same basis weight prepared from the same stock but containing no resin, said resin being present on the fibers in the condition obtained by adsorption from a dilute water suspension of the fibers of a colloidal aqueous solution of partially polymerized, positively charged melamine-formaldehyde condensation product having a glass electrode pH value within the range of about 0.5 to about 4.0 when measured at 15% solids and containing approximately 2 mols of combined formaldehyde for each mol of melamine and having a visible blue haze indicating a stage of polymerization at which the particles are of a size that will react with said fibers, and heat treatment to cure the melamine-formaldehyde resin.

Appealed Claim 32

32. A method of making resin-bonded paper having increased folding endurance and greater wet strength as compared with paper of the same basis weight prepared from the same stock but containing no resin, said method comprising preparing a water suspension of cellulosic paper-making fibers, preparing a colloidal solution of partially polymerized cationic melamine-formaldehyde resin containing about 0.7 to 1.3 mols of hydrochloric acid and about 2 mols of combined formaldehyde for each mol of melamine and having a visible blue haze indicating the presence of colloidal particles large enough to react with said fibers, reacting the fibers of the paper stock suspension with the colloidal solution to release acid while irreversibly uniting de-acidified melamine-formaldehyde resin with the fibers, the quantity of solution used being sufficient to combine from a few tenths of one per cent up to four per cent by weight of de-acidified resin with the fibers, and then forming the combined resin-fibers into paper and drying the paper while simultaneously curing the resin.

The claims of the Wohnsiedler et al. patent do not themselves state any use to which the patented composition of matter is applied, but in the specification it is said:

We have discovered that aqueous solutions of the acid-type melamine-formaldehyde condensation products will undergo a progressive polymerization that is characterized by a gradual increase in the size of the resin particles until the colloidal range is reached. In this colloidal range we have discovered that the partially polymerized melamine-formaldehyde resin carries a definite positive electric charge, as is shown by its migration toward the cathode upon electrophoresis of the solution. This is an extremely important property in a solution of a heat-curable thermosetting resin, for it provides a ready method of obtaining a controlled deposition of the resin in extremely thin films on metallic surfaces and also on negatively charged materials such as cellulosic fibers. Thus, for example, a remarkable improvement in the wet strength of paper is obtained by adding the positively charged colloidal solutions of the present invention to well-beaten paper stock before it is formed into a finished sheet, as is described in detail in the copending application of Chester G. Landes and Charles S. Maxwell, Serial No. 453,032, filed July 31, 1942.

The application of Maxwell and Landes so referred to is the application here involved, and by making the comparison of claims invited, supra, it may be seen that the applicants had taken the vital element of the Wohnsiedler et al. claims—apparently the only element which rendered them patentable—and utilized it in claims limited to paper and a paper-making process. That element, as stated elsewhere in the specification of Wohnsiedler et al. is: "colloidal dispersions of cationic melamine-formaldehyde condensation products."

There are six claims in the Smith patent. All six are drawn to a process of finishing textile fibers which, as described in claim 1, is:

• • • by exhausting thereon a highly dispersed polymerized vinyl compound from a dilute aqueous suspension of the same having a pH of from 4.0 to 7.5, the vinyl compound having been rendered substantive to the fiber by being dispersed in aqueous medium with a cationic surface active agent prior to dilution in the treating bath.

In the specification the "particularly" described resin dispersions are "of methacrylic acid esters or vinyl alcohol esters substantive to animal fibers, nylon and cellulosic fibers, the dispersions being prepared using a cationic surface active agent as emulsifying agent."

The Smith specification also states:

• • • This invention relates further to dispersions of mixed resins prepared by dissolving resinous materials in monomeric liquids capable of polymerization, emulsifying and polymerizing, the dispersions being prepared using a cationic surface active material as emulsifying agent.

In the Smith specification it is stated:

Compositions described in this invention are useful as sizes for general use on textiles and paper. The compositions produce slip resistance finishes on textiles and increase the wet strength of paper.

An example of its use in the paper-making art is given in the specification as follows:

Example 25

(a) 2.5 parts of bleached sulfite pulp was placed in a beater in 90 parts of soft water and the bath was adjusted to a pH of 5.5. 0.025 part of the product of Example 19 was dispersed in 7.475 parts of water and added to the beater. The pulp, water and resinous dispersion were agitated 20 minutes at 70° F. The resulting mass was removed from the beater, filtered and the amount of dispersion not retained by the paper was determined by a turbidity method. More than 90% of the dispersion was exhausted from the bath. The wet strength of the paper was markedly increased.

(b) The pH of the pulp (as in Example 19a) in water was adjusted to 7.0 and the run repeated. Similar results were obtained.

(c) The pH of the pulp (as in Example 19a) in water was adjusted to 8.0 and the run repeated. Similar results were obtained.

In the brief of the Solicitor for the Patent Office there is an analysis of claim 26, supra, which reads:

Process claim 26 defines three procedural operations or steps, namely,

(1) adding to a water suspension of cellulosic paper making fibers a quantity of a colloidal solution of cationic melamine-formaldehyde resin of specified pH and having a visual blue haze;

(2) forming the treated fibers into paper; and

(3) heating the paper to cure the resin adsorbed therein.

It was held, in effect, by the Board of Appeals that the steps in the appealed process claim, considered as steps only and without reference to the kind

[1] See following paragraphs.

of resin employed, are presented in the Smith process.

To obtain the Board's full view as to the applicability of the Wohnsiedler et al. patent, recourse must be had to its first decision rendered August 11, 1947, hereinbefore alluded to, where it is said inter alia:

While the patent to Wohnsiedler et al. is not a proper reference against the present application for subject matter disclosed but not claimed therein, because the filing date of the patent is the same as the filing date of the present application, it is a proper reference against the present application for everything claimed therein for it is too well established to require the citation of authorities that a patent is a proper reference for everything claimed therein against an application belonging to the same assignee as the patent. • • •

Wohnsiedler et al. disclose and claim a colloidal aqueous solution of a partially polymerized positively charged melamine-formaldehyde condensation product having a pH value within the range of about .5 to about 3.5%. In describing the properties of this composition, the patentees state:

We have discovered that aqueous solutions of the acid-type melamine-formaldehyde condensation products will undergo a progressive polymerization that is characterized by a gradual increase in the size of the resin particles until the colloidal range is reached. In this colloidal range we have discovered that the partially polymerized melamine-formaldehyde resin carries a definite positive electric charge, as is shown by its migration toward the cathode upon electrophoresis of the solution. This is an extremely important property in a solution of a heat-curable thermo-setting resin for it provides a ready method of obtaining a controlled deposition of the resin in extremely thin films on metallic surfaces and also on negatively charged materials such as cellulosic fibers.

Once Wohnsiedler et al. produced this resin and determined its properties, it became obvious in view of the state of the art, as outlined by the Examiner, to apply it to paper making. Any doubt with reference to this point is, in our opinion, dissipated by the fact that the application of this resin to the paper making art followed directly on the heels of its discovery. *Wolf Bros. v. Equitable Paper Bag Company*, 58 USPQ 307. The fact that the resin claimed in Wohnsiedler et al. produces a paper which is allegedly superior in wet strength to the paper produced by Smith is insufficient to render the substitution of material involved in the process under consideration inventive because, where it is obvious to make a certain substitution of materials, the fact that one material is superior to another in certain unobvious respects is insufficient basis for patentability. • • •

After stating the contention of appellants to the effect that Wohnsiedler et al. did not assert that they discovered the deposition of the melamine resin colloid on cellulose fibers, but (evidently referring to the statement in the specification relative to the application of Maxwell and Landes quoted, supra) acknowledged the subject matter of the present application, the Board continued:

• • • This contention begs the question because the rejection is not based on the proposition that Wohnsiedler et al. actually applied resin to paper. It is based upon the proposition that once the resin is disclosed and its properties are ascertained, it becomes obvious to use it in the paper manufacturing art. That Wohnsiedler et al. ascertained that the resin discovered by them forms aqueous solutions which undergo a progressive polymerization of the resin particles until the colloidal range is reached and that in this colloidal range the resin carries a definite positive electrical charge, can hardly be questioned in view of the clear statement to this effect in the patent. Once these properties are recognized, it becomes obvious that the resin may be used for the treatment of cellulosic fibers.

In its decision of August 2, 1949, the Board said in addition:

Wohnsiedler et al. claim the resin substantially in the same terms used by appellants to define the resin used, except as to the "blue haze" condition of the colloidal resin solution. This feature appears to be inherent in the pH range and ratio of HCl to melamine claimed by Wohnsiedler et al., as will be apparent from Wohnsiedler et al.'s drawing, the table on page 2, and the description of Example 2 of Wohnsiedler et al.

The Smith patent seems to have been relied upon in a response to an argument for appellants to the effect that appellants had discovered a new chemical reaction whereby new results were obtained. After pointing out that the paper-making steps of the claims were shown in an example (No. 25, supra) of the Smith patent the Board declared: "• • • we fail to see how such a reaction can confer patentability on the claims, especially where the reaction is inherent in the operation of the Smith process with Wohnsiedler et al.'s resin solution."

There is no claim that appellants discovered the paper-making steps as steps in their claims prior to Smith's filing date, but there is a claim to the effect that their discovery "of the capabilities of the resin solution" described in the claims antedated its discovery by Wohnsiedler et al.

Stated in a different way, it is contended that two distinct inventions were made—one by Wohnsiedler et al. and one by Maxwell and Landes, the one by Wohnsiedler et al. being "the resin colloid itself" and the one by Maxwell and Landes being the discovery of "the chemical reaction between the cellulose and melamine-formaldehyde acid colloid." The contention is stated in the brief for appellants as follows (page references and line numbers being deleted):

From the facts as set forth in the preceding section, [wherein affidavits of Maxwell and Landes and Wohnsiedler and Thomas are paraphrased] it was clear that two inventions were made, either one of which was patentable alone. The correctness of this conclusion can hardly be denied, because (1) the Patent Office has granted the Wohnsiedler et al. patent, and because (2) the Board of Appeals has reversed all rejections on prior art of appellants' claims on appeal.

Furthermore, these two inventions were invented by different inventors. Wohnsiedler and Thomas certainly did *not* invent the chemical reaction between the cellulose and melamine-formaldehyde acid colloid that forms the basis of appellants' invention, for they knew nothing about it until they were informed of the results obtained by Landes and Maxwell. Therefore the true inventors of the present process were necessarily Maxwell and Landes. [Italics quoted.]

On the other hand Wohnsiedler and Thomas were the *only* persons who could be named as the inventors of the resin colloid itself. It was they who prepared the initial clear acid resin solutions without any participation by or assistance from Maxwell and Landes; this solution was transformed into the new resin colloid *solely by the passage of time*. After learning of the results obtained by Maxwell and Landes, it was Wohnsiedler and Thomas who recognized the positive electrical charge on the resin particles and determined the limits of acidity under which the cationic resin colloid would form. And finally, it was Wohnsiedler and Thomas who recognized in their new colloid *a resin solution of general utility* which was later to prove extremely valuable for a number of purposes other than the manufacture of paper; see the Landes affidavit of April 29, 1948, and the attached copies of U. S. patents that have issued on some of these uses. [Italics quoted.]

Under these circumstances no other course was open to appellants' assignee than that which was followed, i. e., the filing of two separate patent applications on the same day.

The immediately foregoing quotation comprehends the fundamental position taken by those representing the party in interest here relative to the Wohnsiedler et al. patent, and in this opinion we shall not endeavor to recite in detail the various arguments, some of which are quite abstruse, advanced in support of that position.

Upon the record presented, we agree with the statement that "Wohnsiedler and Thomas were the *only* [italics quoted] persons who could be named as the inventors of the resin colloid itself."

We also agree with the statement that "Wohnsiedler and Thomas certainly did *not* [italics quoted] invent the chemical reaction between the cellulose and melamine-formaldehyde acid colloid," which is stated to form "the basis of appellants' invention," but it must be added that neither did appellants "invent" it. The chemical reaction obviously was inherent.

It is not intended to "play upon words." Probably the word "invent" was used in the brief as having the meaning of the word "discovered." If so, that, in our opinion, would not affect the question of patentability here, because the discovery alleged to have been made by appellants was that of the effect produced not by any acts of appellants, but "*solely by the passage of time.*" [Italics quoted.]

We find ourselves somewhat confused by the phrase "*new* [italics ours] resin colloid" used in the last quoted paragraph. Invention of the "resin colloid itself" used in the process of appellants was claimed by and accredited to Wohnsiedler and Thomas, because they "prepared the initial clear acid resin solutions without any participation by or assistance from Maxwell and Landes." When, therefore, it is asserted that the solution was transformed into a "new resin," the assertion tends to confuse. Surely appellants Maxwell and Landes neither invented nor discovered a "new resin." Whatever changes may have taken place in the solution invented by Wohnsiedler and Thomas as a result of the "passage of time" obviously was due to that factor and not to any thought or act on the part of Maxwell and Landes.

So, any contention that appellants invented a new resin colloid obviously is wrong.

[1] However, we are of opinion that appellants properly may be credited with invention over the Wohnsiedler et al. patent, because of their utilization of the resin colloid of that patent in the making of paper. The resin product was new. Neither it nor its equivalent had ever been used in the making of paper or any other product until Maxwell and Landes tested and used it. The steps of the process as steps only, we agree, probably are present in the Smith patent, but, under the facts here appearing, it seems to us that the product used in carrying out the process should be given weight.

Samples of the resin colloid, invention of which was accredited to Wohnsiedler and Thomas, were delivered to Maxwell and Landes and tested by them in the manufacture of paper. As best we can determine from the record, the tests were made after there had been a "passage of time," and a greatly improved quality of paper in the particulars recited in the claims resulted.

In view of our conclusion, separate discussion of the product claims is unnecessary.

[2] The appeal is dismissed as to claim 33, and the decision of the Board as to claims 26 to 32, inclusive, is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE PATRICK

No. 5760. Decided March 6, 1951. Petition for Rehearing Denied June 26, 1951

[— F.2d —; 90 USPQ 28]

1. APPEAL TO THE U. S. COURT OF CUSTOMS AND PATENT APPEALS—RECORD—PATENTS NOT INCLUDED CANNOT BE CONSIDERED.

Held that the court may not judicially notice specific patents where counsel for the appellant has not included the listed patents in the record before the court, and statements concerning such patents in an affidavit are not satisfactory evidence of what those patents are.

2. PATENTABILITY—DISCLOSURE OF INVENTION—TEMPERATURE RANGE OF HEATING STEP NECESSARY.

Where both the claims and the specification describe one of the steps of the process as "heating" without specifying the temperature, *Held* that the theory proposed by appellant, that it would be obvious to one skilled in the art to use a proper temperature since any common temperature would be operative, is not a proper test since, if knowledge was available in other patents, the specification should have referred to them.

3. SAME—PARTICULAR SUBJECT MATTER—POLYSULPHIDE POLYMERS.

Certain claims relating to polysulphide polymers *Held* unpatentable as based upon insufficient disclosure of the temperature required by the process.

APPEAL from the Patent Office. Serial No. 549,811.

AFFIRMED.

Joseph V. Meigs (*Fisher & Christen* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting all of the claims 16 to 23, inclusive, of an application for a patent, Serial No. 549,811, filed August 16, 1944, alleging new and useful improvements "For Polythio Polyglycol Polybasic Acid Polymer."

The claims read as follows:

16. Process which comprises reacting an alkaline polysulfide with a condensation product obtained by condensing an organic polycarboxylic acid with a glycol said glycol having a hydroxyl group attached to each of two different carbon atoms and also having, in addition to said carbon atoms and said hydroxyl groups, the structure $—CH_2SSCH_2—$.

17. Process which comprises mixing an aqueous solution of an alkaline polysulfide with an aqueous dispersion of a condensation product obtained by condensing an organic polycarboxylic acid with a glycol said glycol having a hydroxyl group attached to each of two different carbon atoms and also having, in addition to said carbon atoms and said hydroxyl groups, the structure $—CH_2SSCH_2—$, and heating said mixture to cause reaction of the alkaline polysulfide with the said condensation product.

18. Process which comprises mixing an aqueous solution of an alkaline polysulfide with an aqueous dispersion of a condensation product obtained by condensing an organic polycarboxylic acid with a glycol having the formula $OH(CH_2)_nSS(CH_2)_nOH$ where n varies from 2 to 20 and heating said mixture to cause reaction of the alkaline polysulfide with the said condensation product.

19. Process which comprises mixing an aqueous solution of an alkaline polysulfide with an aqueous dispersion of a condensation product obtained by condensing an organic polycarboxylic acid with a glycol having the formula $OHCH_2CH_2SSCH_2CH_2OH$ and heating said mixture to cause reaction of the alkaline polysulfide with the said condensation product.

20. Product made according to the process of claim 16.
21. Product made according to the process of claim 17.
22. Product made according to the process of claim 18.
23. Product made according to the process of claim 19.

The application relates to polysulfide polymers characterized by recurring —SS— linkages in the chains thereof, each sulphur atom of the linkages being bound firmly to adjacent carbon atoms.

The claims were rejected by the Primary Examiner as unpatentable because of undue breadth and indefiniteness, as well as for insufficient disclosure in the specification.

It may be noted that the claims are directed to process and product.

Counsel for appellant make no contention that any one claim possesses any limitation by which it may be patentably differentiated from any other claim and, therefore, all of the claims stand or fall together.

In the decision of the Board of Appeals it was pointed out that the original description and claims of the application related to the production of the esterification product of the polythio glycol and polycarboxylic acid and also the polysulfide polymer resulting from after-treatment of such condensation product with an alkaline polysulfide.

All of the involved claims relate to the sulfide after-treatment and it is to that portion of the specification containing the description of the alleged invention said to be defined by the claims which we must look in order to make our decision. The only specific example of the process and product sought to be defined by the claims is as follows:

1 empirical molecular weight of the oil or product derived in the foregoing example is dispersed in water by any suitable means, e. g., by the use of a high speed agitator and a dispersion agent is necessary and the aqueous dispersion so obtained is treated with an equal molar ratio of, for example, sodium tetrasulfide and *heated with agitation for a period of 1 hour*, after which the dispersion is allowed to settle and the supernatant liquid is withdrawn. The dispersion can be readily washed by repeating treatment with water with intermediate settling out of the insoluble dispersion. When sufficiently purified, the material is treated with acid which causes coagulation to a rubber-like mass. [Italics supplied.]

If any of the reasons for rejection by the tribunals below are found to be proper here, it will be unnecessary to discuss the other grounds.

Claim 19 was considered below as illustrative of the involved subject matter. It may be observed that the claim calls for a mixing of an aqueous solution of an alkaline polysulfide with an aqueous dispersion of an organic carboxylic acid with a glycol having the formula $OHCH_2CH_2SSCH_2CH_2OH$ and heating the mixture so that a reaction is created of the alkaline polysulfide with the condensation product.

We find, as did the Examiner and the Board, that in both the claim and in the description of the alleged invention there is nothing to indicate what appellant means by the term "heating." Therefore, the tribunals below held that the use of that term is indefinite in that no temperature nor range of temperatures is given in explanation of the term and, therefore, that the application fails to meet the statutory requirement providing for a full, clear, concise, and exact disclosure of the claimed invention.

It is contended that a worker skilled in the art is aware of what such temperature should be in order to constitute heating and that therefore such knowledge would be supplied by such worker and that a definite disclosure of a temperature or temperatures is not necessary. It is further contended that any heating between room temperature and below the boiling point of water could be used. The Board observed such a range to be a wide one and was of opinion that the requirements of R. S. 4888 would require a statement of a specific temperature or temperatures.

Subsequent to the decision of the Board, a petition for reconsideration was filed by counsel for appellant. Together with such petition was an affidavit which was not accepted by the Board. In its action on the petition the Board found no reason to make any change in its former decision.

Several patents were listed but not set out in the petition and we are asked by counsel for appellant to take judicial notice of them because, it is stated, such notice would indicate to us that the reaction set out in the claims will occur at any common temperature and that therefore it was not necessary for appellant to make any specific disclosure thereof.

We are of opinion that the affidavit is not properly before us for consideration. *In re Ayers*, 33 CCPA (Patents) 874, 154 F.2d 182, 69 USPQ 109, 587 O. G. 337; *In re Ripper*, 36 CCPA (Patents) 743, 171 F.2d 297, 80 USPQ 96, 619 O. G. 855.

[1] We are further of opinion that we may not judicially notice specific patents under circumstances such as exist here. *In re Stauber*, 18 CCPA (Patents) 774, 45 F.2d 661, 7 USPQ 258, 403 O. G. 245.

Counsel for appellant has not included the listed patents in the present record and statements contained concerning such patents in an affidavit are not satisfactory evidence of what those patents are.

[2] The theory proposed by counsel for appellant that it would be obvious to one skilled in the art to use a proper temperature for the reason that any common temperature would be operative, is not the test. *Brand* v. *Thomas*, 25 CCPA (Patents) 1053, 96 F.2d 301, 37 USPQ 505, 496 O. G. 561; *In re Richardson*, 31 CCPA (Patents) 1152, 143 F.2d 616, 62 USPQ 150, 567 O. G. 549.

Clearly, if knowledge of the temperature was common to the art and available in prior patents there is no reason why appellant could not and should not have referred to them in his specification. Without such reference an essential part of the process is left entirely to conjecture and experiment.

It must be remembered that there is nothing in the specification to indicate that any heating range from room temperature to the boiling point of water is or may be used. All that is stated in the specification is, as is shown in our quotation therefrom, that the "aqueous dispersion * * * is heated with agitation for a period of 1 hour * * *." We agree with the tribunals below that the disclosure of merely "heating" in the specification is not sufficient to teach the art the use of the process with the statutory degree of particularity required by the

statute. *In re Jolly*, 36 CCPA (Patents) 825, 179 F.2d 760, 80 USPQ 504, 621 O. G. 8.

[3] Since we are of opinion that the application lacks sufficient disclosure of the temperature required by the process, we are constrained to hold that the tribunals of the Patent Office did not err in rejecting the claims upon that ground. Therefore, it is not necessary to discuss the other grounds of rejection.

For the reasons given herein, the decision of the Board of Appeals is affirmed.

AFFIRMED.

GARRETT, *Chief Judge* (specially concurring):

In the contemporaneously decided case of *Ex parte Dalton, et al.* (38 CCPA (Patents) —, — F.2d —, — USPQ —) a specially concurring opinion has been filed relating to the matter of the affidavits discussed there as here in both the majority and dissenting opinions. The issue in all material aspects is the same here as there and reference is made here to the specially concurring opinion there filed.

O'CONNELL, *J.* (dissenting):

The two cases upon which the majority relies to the effect that the affidavit here in issue is not properly before the court were rendered obsolete by the action of the Commissioner when he abolished the rule of those cases and all of the red tape which its enforcement entailed in the tribunals of the Patent Office.

This court has otherwise regarded an affidavit submitted on a petition for reconsideration as cumulative argument of the same character as that of the request for reconsideration and has accepted the argument thus advanced in the affidavit as a ground of reversal of the Board on the question of patentability.[1] There is no reason why an applicant should claim a detail obvious to any person skilled in the art, and the majority in the enforcement of such a requirement here has merely made an unsupported guess.[2]

The specification and the claims describe heating the condensation product with an alkaline polysulfide. The exact degree of temperature to which the product must be raised to effect the reaction was not given, however, either in the claims or in the illustrative example disclosed in the specification as to how appellant obtains the final reaction product. Therefore, the Examiner, among other things, rejected all of the claims as indefinite, for the stated reason that under the well known language of R. S. 4888 appellant's application, "in failing to mention any specific temperature, does not constitute the full, clear, concise and exact disclosure which would enable a person skilled in the art to practice the invention without further research or experimentation."

The claims were also rejected by the Examiner as unpatentable over the disclosure of the art of record; the British patent to Groves, of December 15, 1936. Groves stated that: "According to this invention viscous to caoutchouc-like products are obtained by the condensation of a thiodiglycol * * * with a dicarboxylic acid, a polycarboxylic acid or a hydroxypolycarboxylic acid, or with an anhydride or ester of any of these acids." The Examiner held that:

> In view of the breadth of the term "alkaline polysulfide" it is considered that the polysulfide glycols in Groves or esters first formed therewith are alkaline to some degree or are equivalents at least, of alkaline polysulfides. Carrying out the reaction in aqueous medium is not seen to be a patentable distinction.

The Board of Appeals affirmed the decision of the Examiner, explaning, however, that in so doing "No references have been relied on, the claims having been rejected for the reason that they were too broad and were without adequate support in the description." With respect to the primary point here in issue the Board stated:

> It appears also to be appellant's view that the omitted details from the example on page 7 [of appellant's specification] may be readily supplied by anyone skilled in the art. It is said for example, that the heating temperature must necessarily be something above the room temperature and below the boiling point of the aqueous medium. This is of course a very wide range of temperatures and it appears to us that a compliance with the requirements of Sec. 4888 R. S. would require a definite statement of the temperature as well as other essential conditions for carrying out what the inventor believes to be the best mode of accomplishing his invention.

Appellant petitioned for rehearing and reconsideration of the decision of the Board, contending that no person skilled in the art, with appellant's disclosure before him, would have the slightest difficulty in selecting a suitable temperature for carrying out the claimed reaction, and that temperatures between about 135° and 220°, Fahrenheit, are typical temperatures employed for such a purpose by any person engaged as a journeyman in the field of chemical compounds characterized by the presence of polysulfide linkages.

In support of the petition for reconsideration appellant submitted proof in the form of an affidavit by Franklin O. Davis to show that the art was familiar with the appropriate temperature to be used and that this temperature was demonstrated by a number of prior art patents listed in the affidavit. The contents of the affidavit was summarized for the Board as follows:

> As appears from that affidavit and the prior art identified therein alkaline polysulfides have been extensively employed in polymer-forming reactions and in such reactions solutions of alkaline polysulfides have been heated with other reactants at temperatures between about 135° F. and 220° F.

Appellant further contended that the position of the Examiner and the Board was completely refuted by the facts detailed in the affidavit by Davis, who at the time was assistant manager of the Research and Development Department of the Thiokol Corporation. With reference to him and his unquestioned standing in the art, appellant stated before the Board:

> He is a man skilled in the art at the time of applicant's application, he selected a temperature of 185° F., without any experimentation for carrying out the reaction described by applicant in the example on page 7 of applicant's specification and the said Franklin O. Davis had no difficulty in successfully following applicant's instructions.

The petition requesting reconsideration was granted but denied on reconsideration with respect to making any change in the Board's original decision. On the primary point in issue, the Board stated:

> We are still of the opinion that the present disclosure does not comply with the requirements of the statute as to proper support for the claimed subject matter.

Under the general provisions of the patent laws governing the application for and the issue of patents,[3] and under certain rules of practice prescribed by the Commissioner of Patents for the conduct of proceedings in the Patent Office,[4] noncompliance by an inventor with the provisions of R. S. 4888 with respect to an adequate description is a question of fact[5] upon which the Primary Examiner, and not the applicant, has the burden of proof.[6]

An essential condition not implied by the familiar knowledge of one skilled in the art may not be omitted from the description required by R. S. 4888 and in his description an inventor must do something more than give cues for future experiments.[7] However, to condemn a disclosure for insufficiency, it is by no means enough to show that even a person skilled in the art may find it necessary to make several tests or trials before he attains the desired result.[8] Moreover, invention may be involved in a disclosure which provides that the respective steps of the process defined by the appealed claims may be carried out at the temperature most effective to obtain the desired results.[9]

The Board of Appeals nowise controverted appellant's contention, and the authorities cited in his petition for reconsideration, that under the well settled doctrine of this court as disclosed by those authorities the burden of proof rested upon the tribunals of the Patent Office, and not upon the applicant, to show that the appealed claims were too broad and the disclosure of the specification was insufficient; and that this burden of proof is not sustained by assertions to that effect unaccompanied by a factual recital of support. Mention of the point has been likewise omitted from the brief submitted on behalf of the Solicitor for the Patent Office.

There can be no question, however, of the validity and predominance of the rule that the burden of proof is upon the Primary Examiner, and not the applicant, to show that a claim presented for allowance covers an inoperative species, or that it is too broad, or that the disclosure in the specification is inadequate or incomplete. Those three points, as here, are often closely related.

Appellant states in his brief, and the point is nowhere disputed, that the art was already familiar with condensation products of the acid-glycol reaction, as disclosed by the British patent to Groves hereinbefore described. Appellant also urges that "Quite obviously there are situations where it is necessary to specify a precise temperature, and others, like the present, where the reaction will occur (though at different speeds) at any common temperature." Appellant further contends with persistent vigor that:

> The Patent Office has given neither applicant nor this court any opportunity to understand the reasons for its objections to the disclosure, or what materials, if any, it believes to be inoperative, what materials or reactions, if any, it believes would give undesirable results, why the materials or conditions given are not representative or sufficiently informative, or what expected degree of heating could be so undesirable as to render it necessary that a particular degree be specified; and such a situation will prevail more and more in cases such as this if the rule that the burden of proof is on the Patent Office is weakened. * * *

There is no doubt whatever that the court may not take judicial notice of any feature defined in an issued patent which is no part of the record before the court and which is not a matter of common knowledge.

The Board of Appeals in the instant case, with respect to the affidavit which was submitted with the petition for rehearing, held that "Under the provision of Rule 138, we must refuse to accept the affidavit or to remand the case to the Primary Examiner for reconsideration in view of such affidavit." The Solicitor in his brief likewise contends that "under the established rule of this court, the affidavit is not properly before the court for consideration," citing *In re Ayers* and *In re Ripper*.[10]

Those two decisions were rendered in support of the proper construction and application of old Rule 138 of the Rules of Practice in the Patent Office. Were that the prevailing rule in the Patent Office when the decision in the instant case was rendered by the Board of Appeals, the rule would have governed the situation presented by the record. It is noted, however, that the decision of the Board on the point in question was rendered March 10, 1949, and that on the previous March 1, 1949, Lawrence C. Kingsland, then Commissioner of Patents, had adopted and promulgated, effective as of that date, new rules governing the practice and procedure in the Patent Office whereby old Rule 138 was revised and supplanted by new Rule 195, which reads:

> 195. *Affidavits after appeal.* Affidavits or exhibits submitted after the case has been appealed will not be admitted without a showing of good and sufficient reasons why they were not earlier presented. [Rule 138.]

The rejection of claims on the ground of insufficiency of the disclosure in the application is not merely a matter of practice in the Patent Office but one which is plainly within the supervisory juris-

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[1] *In re Hutchison*, 26 CCPA (Patents) 1370, 104 F.2d 829, 42 USPQ 90, 500 O. G. 531.

[2] *Ex parte Lilienfeld*, 44 USPQ 174.

[3] R. S. 4888, 4893, 4903, 35 U. S. C. 33, 36, 51.

[4] Rules of Practice in the United States Patent Office 63, 66, 135; new Rules 104, 106, 107, 111, 112, 193, effective March 1, 1949. See also *In re Stover*, 32 CCPA (Patents) 823, 825, 146 F.2d 299, 64 USPQ 186.

[5] *A. B. Dick Co.* v. *Barnett*, 288 Fed. 799.

[6] *In re Vickers et al.*, 31 CCPA (Patents) 985, 141 F.2d 522, 61 USPQ 122, 564 O. G. 174; *In re Hunter*, 35 CCPA (Patents) 931, 166 F.2d 189, 76 USPQ 602, 610 O. G. 766; *In re Whitfield*, 36 CCPA (Patents) 1023, 174 F.2d 137, 81 USPQ 404, 625 O. G. 9; *Ex parte Edmond Rinsdorfer*, 34 USPQ 338; *Ex parte Jacobson*, 39 USPQ 326; *Ex parte Johnson*, 40 USPQ 576; *Ex parte Lilienfeld*, 44 USPQ 174; *Ex parte Schroy*, 58 USPQ 621, 622; *Ex parte Amende and Ender*, 72 USPQ 394; *Ex parte Adams*, 77 USPQ 482.

[7] *Standard Brands* v. *Yeast Corp.*, 308 U. S. 34, 38, 510 O. G. 3; *In re Beach*, 33 CCPA (Patents) 815, 152 F.2d 981, 68 USPQ 196, 585 O. G. 5; *H. Ward Leonard, Inc.* v. *Maxwell Motor Sales Corp.*, 252 Fed. 534, 588.

[8] *Eibel Co.* v. *Paper Co.*, 261 U. S. 45, 65, 310 O. G. 3; *Lever Bros. Co.* v. *Procter & Gamble Mfg. Co.*, 139 F.2d 633; *A. B. Dick Co.* v. *Barnett*, 288 Fed. 799.

[9] *In re Haney et al.*, 34 CCPA (Patents) 767, 158 F.2d 296, 72 USPQ 114, 598 O. G. 330.

[10] *In re Ayers*, 33 CCPA (Patents) 874, 154 F.2d 182, 69 USPQ 109, 587 O. G. 337; *In re Ripper*, 36 CCPA (Patents) 743, 171 F.2d 297, 80 USPQ 96, 619 O. G. 855.

diction of this court.[11] And while it is beyond the spirit of the law for the court to order the issuance of a patent which, upon attack, would be declared invalid because of the insufficiency of its disclosure, or because of its infringement of the prior art,[12] nevertheless where the insufficiency has not been clearly shown, or where, as here, the art relied upon to invalidate the claims has been considered and rejected by the Patent Office, the presumption of validity, while not conclusive, is greatly fortified.[13] However, as Chief Judge Garrett correctly pointed out in a recent case:[14]

Despite appellant's failure in his specification or claims to name the specific degree of temperature to which the involved mixture must be heated to effect the reaction, it is obvious that the exact nature of such temperature is not a characteristic essential to novelty. The appealed claims are not subject, therefore, to the criticism that the language of the claims is indefinite "at the exact point of novelty" as was the language of the claims rejected in *General Electric Co.* v. *Wabash Appliance Corp. et al.*, 304 U. S. 364, 371 (37 USPQ 466, 469). Nor is there any tangible reason of record why the appealed claims should be rejected on the ground of undue breadth.

For the reasons stated, the decision of the Board of Appeals should be reversed.

U. S. Court of Customs and Patent Appeals

IN RE DAVIS ET AL.

No. 5769. Decided May 8, 1951

[— F.2d —; 89 USPQ 603]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—FUEL BLEND AND METHOD OF USING.

Certain claims to a fuel blend and a method of using the fuel *Held* properly rejected as failing to define invention over the cited prior art.

APPEAL from Patent Office. Serial No. 431,838.

AFFIRMED.

J. K. Small, W. O. Heilman, W. F. Weigester, and *C. D. Starex* (*W. N. Wright* of counsel) for appellants.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

The appeal in this case is from the decision of the Board of Appeals of the United States Patent Office affirming the Primary Examiner in his rejection of all of the claims, 14–22, in appellants' application for a patent on a fuel blend adapted for use in a rich fuel mixture and the improvement in a method comprising feeding the mixture to a supercharged engine at high power output in the operation of aircraft.

The references relied upon were the patent to Greensfelder et al., 2,204,215, granted June 11, 1940, and the Pilots' Powerplant Manual, Civil Aeronautics Bulletin, No. 28, pages 222, 224, 243, 263, published in October of 1940.

Claim 14, directed to the method, and claim 18, drawn to the composition, are illustrative:

14. In the operation of a supercharged aircraft engine at high power output, the improvement comprising feeding to the engine a fuel blend with air in a rich mixture, having a fuel to air ratio of at least 0.09, said fuel blend comprising 10 to 30% by volume of substantially pure cyclopentane and 90 to 70% by volume of iso-octanes, said fuel blend being further characterized by having an octane number of at least 85 clear as determined by ASTM Test, Specification D614–44T and at least 100 with 3 cc. of tetraethyl lead per gallon and obtaining a high power output for which the indicated mean effective pressure is at least 300 pounds per square inch in the engine as it is being fed with said mixture.

18. A fuel blend adapted for use in a rich fuel mixture in a supercharged aircraft engine at high power output for which the indicated mean effective pressure is at least 300 pounds per square inch, the said fuel blend comprising essentially 10 to 30% by volume of substantially pure cyclopentane blended with 90–70% by volume of iso-octanes.

The subject matter of the appealed claims was succinctly described by the Board as follows:

The application states that the claimed invention deals with improvements in the operation of supercharged aviation engines, particularly when operating on high octane number fuels with rich fuel-air ratios. The fuel blends are designed to be utilized in supercharged aircraft power plants at fuel to air ratios of .09 or greater. Cyclopentane is one of the constituents of the blended fuel which also may contain tetraethyl lead. The application states that the object is to obtain exceptionally good rich mixture performance in supercharged aviation engines by operating such engines with the fuels claimed to be of novel composition. The improved performance includes avoidance of "knocking" or fuel detonation, which, as is well known, is one of the advantages of fuel having tetraethyl lead as an additive.

Appellants allege phenomenal results. The Solicitor for the Patent Office urges, however, that appellants have effected merely a change of proportions of old ingredients utilized in the making of gasoline which does not impart patentability to the appealed claims, even though the particular proportions involved were accompanied by improved results over the disclosure of the prior art, citing *In re Waite et al.*, 35 CCPA (Patents) 1117, 168 F.2d 104, 77 USPQ 586, 614 O. G. 5.

The patent to Greensfelder et al. relates to improvements in the blend of motor fuels and the influence of adding cyclopentane to effect the antiknock rating on the performance of gasoline in the operation of an aircraft engine. Two fractions, referred to by the patentees as cyclopentane and cyclo-hexane, are blended with gasoline to produce high octane numbers or antiknock ratings which are an improvement over unblended gasolines.

The fact that the specification of Greensfelder et al. refers to one of the ingredients of the gasoline as the "cyclopentane fraction" forms the basis of appellants' strenous argument that the patentees utilize only "a minor portion of cyclopentane" while the appealed claims call for an inventively different proportion of substantially pure cyclopentane.

The Pilots' Powerplant Manual shows that it is old to operate a supercharged engine at a fuel ratio of .09 or greater.

The fuel and the method claims are so closely related they were rejected by the Primary Examiner without separate treatment. Appellants in urging here that the method defined by the claims is patentable contend that:

appellants are employing what may be said to be old elements; that is, cyclopentane, iso-octanes, and air. However, appellants employ these elements in new proportions; that is, in such proportions as to provide a fuel to air ratio of 0.09 or greater in which the fuel consists of 10–30% of cyclopentane and 90–70% of iso-octanes. Certainly, as demonstrated by reference to appellants' data, the process embraces new qualities of utility; that is, power levels unobtainable with conventional fuels.

It is therefore urged that by the criteria ordinarily applied to chemical process claims, appellants have established a patentably novel process of operating an engine.

The specification of appellants, as originally filed, made no reference to the purity of the claimed cyclopentane. That limitation was inserted by appellants' amendment of January 5, 1944, through the insertion of the term calling for a "substantially pure cyclopentane." It is noted further that the term "consisting of" does not appear in the appealed claims and that the term which does appear there is the word "comprising" which, as pointed out by the Solicitor for the Patent Office, does not exclude other ingredients besides the iso-octanes and the cyclopentane, and that appellants are claiming not merely a fuel but a fuel blend.

The Board pointed out that obviously "in a blended fuel the cyclopentane cannot remain in the pure state." In disposing of the contention, which as here, was made before the Board, the Board correctly held:

Appellants state that each of these claims defines a fuel blend containing a quantity of cyclopentane entirely outside the range of the cyclopentane containing compositions disclosed or suggested by Greensfelder. We do not agree that the maximum proportion of cyclopentane contemplated by the Greensfelder disclosure is 6% as contended by appellants. On page 3, line 8, a proportion of 8% is disclosed. Furthermore in the example disclosed on page 3, the use of 20% cyclopentane fraction is disclosed and we find nothing in view of applicants' original disclosure of cyclopentane without specifying its purity to warrant the assumption that the cyclopentane fraction disclosed in the Greensfelder patent is not cyclopentane. Furthermore, as illustrated in Fig. 2 of applicants' drawing, the range of cyclopentane may extend from 20 to 70% and there is nothing in the application to show that the range of 10 to 30% recited in the claims is critical. On page 4, line 18, the minimum of cyclopentane contained in the fuel is stated to be 5%. * * *

Appellants also argue here, as they did before the Board, that the Greensfelder reference disclosed the combining of the cyclopentane fraction with gasoline, but nowhere disclosed the combining of iso-octanes with the cyclopentane fraction, as claimed by appellants. The Board, among other things, pointed out that appellants' use of iso-octane, as disclosed by their Fig. 2 for example, was, at best, merely elective. The Board further held:

This point is not impressive for the reason that the application does not mention that the blend, other than cyclopentane and tetraethyl lead, must be composed of iso-octanes. It refers to iso-octane as a basis of reference for the determination of the octane number but nowhere in the specification is it pointed out that cyclopentane blends with iso-octanes to produce a result which is superior to the result produced by blending cyclopentane with any other premium aviation fuel. * * *

The Solicitor for the Patent Office further quotes from various authorized publications the definition of the term gasoline, all of which refer to the octane number associated with the chemical composition of gasoline. Those publications are recognized in the art and establish that the octane number is "the percentage of isooctane (2:2:4-trimethyl-pentane) for a mixture of isooctane and n-heptane, which agrees with the petrol to be characterized as to its inclination towards knocking."[1]

With respect to the process claims, it is obvious that appellants have done no more than merely change the fuel which has been fed in the conventional method to an aircraft engine.

The points raised here by appellants have been thoroughly discussed by the Board of Appeals and we are unable to determine that its decision is clearly erroneous.

For the reasons stated, the decision of the Board should be affirmed.

AFFIRMED.

[1] Organic Chemistry, 1947, by Paul Karrer, page 40.

[11] *In re Georg Stauber*, 18 CCPA (Patents) 774, 45 F.2d 661, 7 USPQ 258, 403 O. G. 245.

[12] *In re Kuhn et al.*, 32 CCPA (Patents) 1110, 150 F.2d 145, 66 USPQ 117, 580 O. G. 164.

[13] *Hunt* v. *Armour & Co.*, 185 F.2d 722, 726.

[14] *In re Muskat et al.*, 38 CCPA (Patents) —, — F.2d —, — USPQ —, Appeal No. 5734, decided February 12, 1951.

Our primary concern, in cases such as this, is not what might happen in an infringement proceeding if the appealed claims should be allowed, but with the fundamental question of whether their allowance is proper.

NOTICES

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extension of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

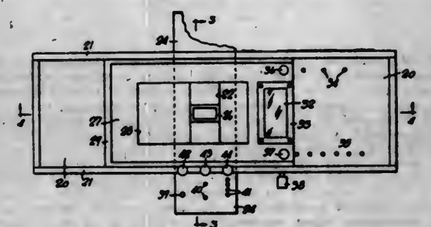
Any person who believes that he would be injured by the extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentees.

James A. Reyniers, 2,335,697, November 30, 1943
James A. Reyniers, 2,369,980, February 20, 1945
James A. Reyniers, 2,369,981, February 20, 1945

JOHN A. MARZALL,
Commissioner.

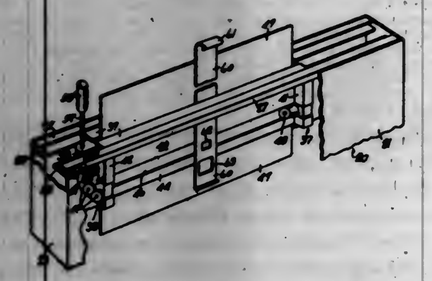
2,335,697
PHOTOGRAPHIC APPARATUS
James A. Reyniers, South Bend, Ind., Granted Nov. 30, 1943
11 Claims. (Cl. 88—24)



1. In a photographic device, a frame having a flat portion provided with an elongated opening therein, guides projecting from opposite faces of said frame portion, a slide member shiftable on said frame parallel to the length of said frame opening and having a restricted opening therein registering with said frame opening in all operative positions thereof, a lens mount secured to said slide member in register with said slide opening, a carrier slidable on said frame transversely of said slide member and

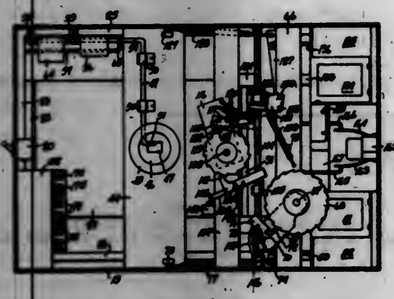
having an opening therein larger than said frame opening and registering therewith in all operative positions thereof, said carrier being adapted to support a film in register with its opening, said guides holding said slide and carrier in face engagement with opposite faces of said flat frame portion in all operative adjusted positions thereof.

2,369,960
FILM FEEDING DEVICE
James A. Reyniers, South Bend, Ind., Granted Feb. 20, 1945
14 Claims. (Cl. 88—26)



1. A film positioning device comprising a casing having a longitudinal slot in one wall thereof, a guide in said casing parallel to said slot, a film holder slidable on said guide and including a pair of close spaced facing side plates, spaced top plates, end members, and supporting means engaging said top guide, said plates extending parallel to said slotted wall with the space therebetween aligned with said slot, rollers parallel to said guide journaled by said end members and gripping opposite margins of a film within said holder, and means for simultaneously and equally rotating said rollers to advance said film in said slot and holder.

2,369,961
MICROPHOTO APPARATUS
James A. Reyniers, Niles, Mich., Granted Feb. 20, 1945
5 Claims. (Cl. 88—24)



1. Microphoto apparatus comprising a housing, a lens system carried by said housing, a film carriage juxtaposed to said lens system and including a pair of relatively shiftable parts, a pair of solenoids, means connecting each solenoid with one of said parts and actuable step by step by said solenoid, a control circuit having a control switch and a plurality of selector switches controlled by said connecting means, said solenoids being connected in said circuit in parallel, said selector switches controlling the selection of a single solenoid to be energized upon each operation of the control switch and the sequence of operation of said solenoids upon successive operations of said control switch.

Extension of Patents Granted

Patent No. 2,343,135. TAKE-UP FOR LOOMS. Granted Feb. 29, 1944. George Crompton, Jr. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 254 days from the expiration of the original term thereof.

Erratum

All references to Patent No. 2,564,633 to Beaumont Thomas, assignor to Delrac Corporation, for Furan Liquid Resins, appearing in the OFFICIAL GAZETTE of August 14, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

Adjudicated Patents

(D. C. Md.) Orrison Patent No. 2,118,796, for ice product and process of making same. Claims 1 to 7, inclusive, *Held* invalid. *Orrison v. C. Hoffberger Co.*, 97 F. Supp. 689; 90 USPQ 6.

(D. C. Mo.) Mayfield-Morehouse Patent No. 2,450,866, for poultry treatment composition, *Held* valid and infringed. *Dr. Salisbury's Laboratories v. I. D. Russell Co.*, 97 F. Supp. 695; — USPQ —.

Disclaimers

2,364,382.—*Arnold J. Morway*, Roselle, N. J. RUBBER-LIKE PRODUCTS AND PREPARATION THEREOF. Patent dated Dec. 5, 1944. Disclaimer filed Aug. 1, 1951, by the assignee, *Jasco, Incorporated*.

Hereby enters this disclaimer to claims 3, 4, 5, 6, 7, 8, 9, and 10 of said patent.

2,465,113.—*Donald E. Norgaard*, Scotia, N. Y. PULSE ECHO SYSTEM. Patent dated Mar. 22, 1949. Disclaimer filed May 29, 1951, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

2,542,551.—*Charles H. McKeever*, Glenside, and *John O. Van Hook*, Roslyn, Pa. 1,3,5-TRIS(ISOPROPENYL) BENZENE. Patent dated Feb. 20, 1951. Disclaimer filed July 19, 1951, by the assignee, *Rohm & Haas Company*.

Hereby enters this disclaimer to claim 4 of said patent.

Interference Notice

Kayantee Candy Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Em-Jay Candy Company, 212 W. Kinzie St., Chicago, Ill., for registration of a trademark and Registration No. 433,896, issued Nov. 4, 1947, to Kayantee Candy Company, 284 Passaic St., Passaic, N. J., and the notice of such declaration sent by registered mail to the said Kayantee Candy Company, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Kayantee Candy Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 4, 1951. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

International Harvester Company has placed 83 patents on the Register as available for licensing on reasonable terms, in addition to more than 1,300 registered during 1946, 1947, 1948, 1949, and 1950. The first 38 of this group were listed in the OFFICIAL GAZETTE, Aug. 28, 1951. The following 45 patents complete the listing.

Applications for licenses should be addressed to Patent Department, International Harvester Company, 180 North Michigan Ave., Chicago 1, Ill.

Pat. 2,504,686. Cutting Mechanism Release for Mowers. Patented Apr. 18, 1950. Relates to a cutting mechanism release for mowers with provision for automatic restoration of cutter bar to cutting position, and simple, fool-proof construction. Group 35—22. Reg. No. 44,242.

Pat. 2,507,693. Portable Wirebound Box. Patented May 16, 1950. Relates to a portable material-handling box that may readily be used in the transporting of mechanical parts, and which is constructed so that it may easily be utilized as a storage bin when the box has reached its destination. Group 35—53. Reg. No. 44,243.

Pat. 2,507,711. Tractor Mounting Attachment for Corn Pickers. Patented May 16, 1950. Relates to tractor mounted corn pickers provided with a quick attaching means which permits the picking unit to be pivotally adjustable with respect to the tractor by means of a power-operating tractor lifting device. Group 35—22. Reg. No. 44,244.

Pat. 2,507,719. Windrow Harvester. Patented May 16, 1950. Relates to a windrow harvester having a transversely running conveyor feeding crops to a longitudinally running conveyor whose discharge is at a point forwardly of the rear edge of the transversely running conveyor; also having a hydraulically operated platform adjusting cylinder. Group 35—22. Reg. No. 44,245.

Pat. 2,507,722. Cylinder Head Construction for Water Cooled Engines. Patented May 16, 1950. Relates to an internal combustion engine cylinder head of the fabricated lightweight sheet metal type, and more specifically to the assembled box-like construction. Group 35—19. Reg. No. 44,246.

Pat. 2,507,732. Pushcart With Removable Receptacle. Patented May 16, 1950. Relates to a wheeled dairy cart manually moved by an operator with a quickly removable receptacle which can be removed and supported on the ground independently of the cart. Groups 35—22—63; 37—99. Reg. No. 44,247.

Pat. 2,507,733. Power Transmitting Device. Patented May 16, 1950. Relates to a mechanical multiple power train transmitting device adapted for use as a power-lift upon farm tractors and the like. Group 35—22—66. Reg. No. 44,248.

Pat. 2,508,345. Power-Operated Tractor Lifting Device. Patented May 16, 1950. Relates to a power-lift means for raising a corn-picker from an inoperative position on the ground to a raised operative position on the tractor. Group 35—22—66. Reg. No. 44,249.

Pat. 2,513,906. Control Means for Tractor Mounted Implements. Patented July 4, 1950. Relates to a fluid-pressure means for controlling or adjusting a tractor-mounted or a trail-behind implement. Group 35—22—66. Reg. No. 44,250.

Pat. 2,513,941. Corn Harvester. Patented July 4, 1950. Relates to a tractor-mounted corn harvester having stalk severing means and transversely disposed snapping means, and an arrangement of harvesting parts so as to deliver the stalks butt first over the rear axle of the tractor at which point the stalks are stripped and the ears husked. Group 35—22. Reg. No. 44,251.

Pat. 2,513,955. Lifting Device for Tractors. Patented July 4, 1950. Relates to a lifting device used on tractors and more particularly to safety means provided as a safeguard against objects that might come into the scissors-like action of the rocker arms. Group 35—21—62. Reg. No. 44,252.

Pat. 2,513,970. Shaft Mounting for Bearing Assembly. Patented July 4, 1950. Relates to a simple shaft mounting including a slotted adapter sleeve which can be securely mounted on a shaft by tightening one clamping member. Group 35—66. Reg. No. 44,253.

Pat. 2,517,384. Tractor Mounted Reciprocating Mower. Patented Aug. 1, 1950. Relates to a tractor mounted mower having raising and lowering means for the cutting mechanism, and means for quickly attaching or detaching the mower to or from the tractor. Group 35—22. Reg. No. 44,254.

Pat. 2,517,385. Fold-Away Shelf for Refrigerators or the Like. Patented Aug. 1, 1950. Relates to a shelf arrangement for location in the storage compartment of a refrigerator or the like in which the shelf is used for storing small articles, or is folded against the wall to permit storage of larger articles. Group 35—84. Reg. No. 44,255.

Pat. 2,517,390. Auxiliary Cutter for Harvester Platforms. Patented Aug. 1, 1950. Relates to auxiliary cutting means for harvester platforms spaced rearwardly and upwardly and from the regular sickle type cutter bar, and disposed forwardly of an auger conveying means on the platform. Group 35—22. Reg. No. 44,256.

Pat. 2,518,263. Adjustable Shaft Mounting Means. Patented Aug. 8, 1950. Relates to a yieldable, spring loaded, quickly releasable threshing cylinder mounting means provided to maintain the cylinder in proper co-operative relationship with the concave. Useful for harvester threshers. Group 35—22. Reg. No. 44,257.

Pat. 2,518,285. Filter Element. Patented Aug. 8, 1950. Relates to an engine oil filtering device embodying a thin convoluted envelope with filtering walls urged collapsed by an ambient body of fluid filterable inwardly therethrough, and more particularly concerns a drainage gallery formed of folded portions of the envelope. Group 35—69. Reg. No. 44,258.

Pat. 2,518,302. Combination Corn Picker and Sheller. Patented Aug. 8, 1950. Relates to a corn picker having its picking units deliver the ears of corn directly to axially aligned shelling rotors, and further providing for common separating, cleaning and elevating mechanism for the shelled corn. Group 35—22. Reg. No. 44,259.

Pat. 2,518,310. Churn Attachment for Centrifugal Cream Separators. Patented Aug. 8, 1950. Relates to a churn for churning butter and more particularly to a churn adapted to be used with a cream separator, in which the churn may be mounted on and be driven by the manual cranking shaft of the separator. Group 35—51. Reg. No. 44,260.

Pat. 2,518,317. Implement Attachment Frame, Especially for Mowers. Patented Aug. 8, 1950. Relates to a simplified means of mounting a mower on a tractor with provision for quickly attaching or detaching the implement in conjunction with the provision for easily raising or lowering the mower with respect to the tractor. Group 35—22. Reg. No. 44,261.

Pat. 2,518,360. Agricultural Implement. Patented Aug. 8, 1950. Relates to a tractor-mounted disk tillage type implement, controlled from the tractor to maintain a constant pressure so that the implement will plow uniformly when travelling over uneven ground. Group 35—22. Reg. No. 44,262.

Pat. 2,518,363. Power Lift Device for Implements. Patented Aug. 8, 1950. Relates to a hydraulically operated gauging and lifting means for a tractor-mounted implement. Group 35—21—62. Reg. No. 44,263.

Pat. 2,518,389. Side Delivery Rake. Patented Aug. 8, 1950. Relates to a four wheel, heavy duty, tractor-drawn side delivery rake in which the drive is taken from the front wheels of the rake. Group 35—21. Reg. No. 44,264.

Pat. 2,518,402. Compression Control for Baling Presses. Patented Aug. 8, 1950. Relates to an automatic pressure regulating means actuated by friction between the bale chamber and the walls thereof of a baling press. Group 35—22. Reg. No. 44,265.

Pat. 2,518,413. Loading Structure for Shipping Vehicles. Patented Aug. 8, 1950. Relates to a frame structure that can be quickly connected to the frame chassis of a truck, said frame structure being arranged to bodily support a second truck in the shipment of vehicles on freight cars, whereby said frame structure may be reused after said shipment. Group 38—11. Reg. No. 44,266.

Pat. 2,524,193. Teat Cup Claw. Patented Oct. 3, 1950. Relates to a two piece milking-machine teat cup claw which may quickly be taken apart for cleaning. Group 35—22. Reg. No. 44,267.

Pat. 2,524,194. Milker Timer. Patented Oct. 3, 1950. Relates to timing device for a pulsator for milking machines in which the timing device is arranged to give an audible sound when a predetermined milking interval has been completed. Group 35—22. Reg. No. 44,268.

Pat. 2,524,196. Floating Pick-Up Device for Attachment to Agricultural Implement Platforms. Patented Oct. 3, 1950. Relates to a floating pick-up attachment for harvester threshers or windrowers that will deliver material to the regular platform of the machine without interfering with the conveying elements mounted above the platform. Group 35—22—62. Reg. No. 44,269.

Pat. 2,524,203. Tractor Mounted Loader. Patented Oct. 3, 1950. Relates to a hydraulically-operated tractor mounted loader in which the load carrier is raised or lowered by means of the regular tractor-equipped hydraulic lift coupled with a raising cam. Group 35—21—22. Reg. No. 44,270.

Pat. 2,524,206. Safety Device for Tractor Implements. Patented Oct. 3, 1950. Relates to a tractor having an implement thereon movable between operating and inoperative positions, and means for effectively preventing movement of the machine in the wrong direction when the implement is in operating position. Groups 35—21; 38—11. Reg. No. 44,271.

Pat. 2,524,207. Large Diameter Crankshaft for Motor Compressors. Patented Oct. 3, 1950. Relates to a crankshaft for motor compressors having a crank throw in which the external diameter of the circle described thereby is equal to, or less than, the perimeter of the crankshaft. Groups 33—92; 35—69. Reg. No. 44,272.

Pat. 2,527,790. Refrigeration Apparatus Control. Patented Oct. 31, 1950. Relates to a positive automatic means for starting the engine in a refrigeration system upon a predetermined rise in temperature of the cooling chamber. Group 35—84. Reg. No. 44,273.

Pat. 2,527,791. Polishing Machine for Bearing Races. Patented Oct. 31, 1950. Relates to a polishing machine having a plurality of rotatable polishing wheels adapted to successively and automatically operate on ball bearing races as they are fed into the machine. Groups 32—91; 35—42. Reg. No. 44,274.

Pat. 2,527,801. Remote Control for Gear Shift Levers. Patented Oct. 31, 1950. Relates to a vehicle having means for operating a gear shift lever from a remote position by similar movement of an extensible member which joins the gear shift lever through a bearing bracket permitting rotational movement through two directions. Group 35—66. Reg. No. 44,275.

Pat. 2,527,805. Clutch Control Mechanism. Patented Oct. 31, 1950. Relates to a clutch control mechanism which will accommodate oscillation of a resiliently mounted engine or power plant. Group 35—66. Reg. No. 44,276.

Pat. 2,527,840. Plow Depth Control. Patented Oct. 31, 1950. Relates to means for regulating the operating depth of a tractor-connected plow, and more specifically to means for transmitting movement of the gauge device to the power lift to raise or lower the operating depth of the tool. Group 35—22. Reg. No. 44,277.

Pat. 2,532,050. Fertilizer Spreader. Patented Nov. 28, 1950. Relates to a fertilizer spreader particularly designed to handle manure containing a substantial quantity of liquid. Group 35—22. Reg. No. 44,278.

Pat. 2,532,064. Ensilage Blower Having a Swinging Feed Trough. Patented Nov. 28, 1950. Relates to a feed trough construction for an ensilage blower, said trough including hinged side boards that are adapted to fold inwardly into the trough in an out of the way position when the trough is raised with respect to the blower. Group 35—22. Reg. No. 44,279.

Pat. 2,532,066. Containing Unit. Patented Nov. 28, 1950. Relates to an improved breathing means for a storage container adapted to contain objects that must be kept free of moisture. Group 35—84. Reg. No. 44,280.

Pat. 2,532,073. Doffer for Cotton Picker Spindles. Patented Nov. 28, 1950. Relates to pneumatic cotton picker mechanism which functions by projecting an air stream over the surface of the spindles. Group 35—52. Reg. No. 44,281.

Pat. 2,532,076. Adjustable Axle Construction for Potato Planters. Patented Nov. 28, 1950. Relates to a frame construction for a wheeled vehicle such as a potato planter and more particularly to an axle support therefor. Groups 33—12—92; 35—22. Reg. No. 44,282.

Pat. 2,533,756. Machine for Beveling Notches in Coulter Disks. Patented Dec. 12, 1950. Relates to a production machine for beveling edges of a tillage disk having circumferential spaced notches. Group 35—69. Reg. No. 44,283.

Pat. 2,533,814. Wagon Elevator Throw-Out Mechanism. Patented Dec. 12, 1950. Relates to a wagon elevator throw-out mechanism and particularly to means for causing a farm implement wagon discharge elevator to have its operation stopped during turning of the implement. Group 35—22—62. Reg. No. 44,284.

Pat. 2,533,822. Connecting Rod and Cap and Method of Making the Same. Patented Dec. 12, 1950. Relates to a connecting rod and cap of light-weight sheet metal and method of making same useful in internal combustion engines. Group 35—19—69. Reg. No. 44,285.

Pat. 2,533,833. Opposed Hydraulic Ram Power Transmission, Including Hydraulically Operated Power Transmission Stop. Patented Dec. 12, 1950. Relates to a hydraulic power transmission system and particularly such a system that is adapted for use as a power lift device upon tractors or the like. Group 35—61. Reg. No. 44,286.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 4, 1951

[VOL. 650. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 503,326. Plastylite Corporation, Plainfield, N. J. Filed June 5, 1946.

Plastylite

For Plastic Handles for Electric Irons, Plastic Plates for Electric Switches, and Plastic Outlet Channels for Electric Wiring.

Claims use since Jan. 1, 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 506,219. Foster Leader and Tackle Co., Minneapolis, Minn., assignor to Strike-Master, Inc., Minneapolis, Minn., a corporation of Minnesota. Filed July 24, 1946.

STRIKE MASTER

For Fishing Tackle—Namely, Leaders, Spinners, Artificial Lures, Leader Materials, Sinkers, Shelled Leaders, Weedless Hooks, and Spoons.

Claims use since Apr. 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 495,937. Anderson Wagner, Inc., Los Angeles, Calif. Filed Feb. 1, 1946.

Everfrost

For Refrigerated Bottle Containers, Refrigerated Salad Display Tables, Refrigerated Ice-Cream Cabinets, and Iced Cocktail-Bars.

Claims use since Sept. 28, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,125. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.



The drawing is lined for shading only.

For Paper Tablets, Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages, and Correspondence and Mailing Envelopes.

Claims use since 1908 as to "Society"; and since Mar. 15, 1935, as to the mark shown.

CLASS 39

CLOTHING

Ser. No. 524,181. Wm. Gluckin & Co., Inc., New York, N. Y. Filed June 14, 1947.

DIVIDA

For Brassières.

Claims use since Apr. 18, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 587,502. Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Filed Nov. 8, 1949.

P C&C G

For Chemicals—Namely, Coke, Pitch, Pyridine Still Residues, and Tar.
Claims use since Mar. 18, 1946.

Ser. No. 593,362. Norton Coal Corporation, Nortonville, Ky. Filed Mar. 3, 1950. (Sec. 2f.)

CRADDOCK

The drawing is lined for the colors red and black.
Applicant claims ownership of Registration No. 426,893.
For Coal and Washed Coal.
Claims use since 1921.

Ser. No. 596,211. Garfield Williamson Inc., Jersey City, N. J. Filed Apr. 22, 1950.

TURF - KING

The word "Turf" is disclaimed.
For Grass Seed.
Claims use since Mar. 27, 1950.

CLASS 2

RECEPTACLES

Ser. No. 576,533. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California. Filed Apr. 2, 1949. (Sec. 2f.)

GUMP'S

For Serving Tools Sold as a Unit.
Claims use since July 5, 1928.

Ser. No. 595,850. Northwest Plastics, Incorporated, St. Paul, Minn. Filed Apr. 17, 1950.

NORPLAC

For Plastic Cups and Coasters.
Claims use since May 31, 1949.

Ser. No. 600,808. Bemis Bro. Bag Company, St. Louis, Mo. Filed July 18, 1950.



The mark is not that of any particular living individual so far as the applicant is aware.
For Burlap Bags.
Claims use since June 30, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 571,099. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 24, 1948.

CRAFTSMAN

Applicant claims ownership of Registration No. 303,514.
For Buffing and Polishing Equipment and Supplies—Namely, Razor Hones, Abrasive Paper Rolls (for Sharpening Knives, Tools, Etc.), Abrasive Stones, Grinding Wheels, Sharpening Stones, Grindstones.
Claims use since May 9, 1931.

Ser. No. 574,651. Simonds Worden White Company, doing business as Safety Grinding Wheel & Machine Co., Dayton, Ohio. Filed Feb. 28, 1949. (Sec. 2f.)

DAYTON GRINDING WHEELS

The words "Grinding Wheels" are disclaimed.
For Abrasive Grinding Wheels for Use in Connection With Machine and Hand-Operated Grinders.
Claims use since 1915.

CLASS 5

ADHESIVES

Ser. No. 594,859. H. H. Robertson Company, Pittsburgh, Pa. Filed Mar. 29, 1950.

STYPOL

For Synthetic Resin Adhesives.
Claims use since Jan. 15, 1948.

Ser. No. 596,778. Caterpillar Tractor Co., Peoria, Ill. Filed May 3, 1950.

Caterpillar

Applicant claims ownership of Registrations Nos. 79,056, 85,748, and others.
For Liquid Adhesive Cement Particularly Adapted for Attaching Cork to Metal Surfaces.
Claims use since August 1949.

Ser. No. 599,014. Powees, Inc., Jersey City, N. J. Filed June 13, 1950.

POWEETAPE

For Adhesive Tape Sold by the Yard and in Rolls and in Sections for Use in Connection With Breast Covers Which Can Be Affixed to the Body by Adhesive Means.
Claims use since Jan. 12, 1950.

Ser. No. 599,256. Powees, Inc., Jersey City, N. J. Filed June 16, 1950.



The word "Primer" is disclaimed.
For Liquid Adhesive Used for Restoring the Adhesive Properties to Adhesive Tape.
Claims use since Jan. 12, 1950.

Ser. No. 600,230. Service Industries (a trust), Philadelphia, Pa. Filed July 5, 1950.

CEZIT

For General Purpose Concentrated Liquid Adhesive.
Claims use since June 12, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 594,698. Diamond Alkali Company, Cleveland, Ohio. Filed Mar. 27, 1950.

DIAMOND ALKALI CHEMICALS

The words "Alkali" and "Chemicals" are disclaimed.
For Soda Ash, Caustic Soda, Liquid or Solid, and Modified Forms of Each of Varying Alkali Content; Bicarbonate of Soda, Silicated Alkalis, Silicate of Soda Including Metasilicate, Orthosilicate and Mixtures Containing the Same; Organic Wetting, Penetrating and Emulsifying Agents; Laundry Sours, Liquid Blue, Precipitated Calcium Carbonate; Chlorine, Liquid and Gaseous; Chromate of Soda, Chromate of Potash; Bichromate of Soda, Liquid and Solid; Bichromate of Potash, Chlorinated Solvents, Vinyl Chloride, and Muriatic Acid.
Claims use since July 1949.

Ser. No. 596,777. Caterpillar Tractor Co., Peoria, Ill. Filed May 3, 1950.

Caterpillar

Applicant claims ownership of Registrations Nos. 79,056, 85,748, 85,816, 120,744, 131,491, 134,971, 135,703, 137,035, 190,950, 277,417, 345,499, 373,488, 504,829, and 506,258.
For Rust Inhibitor Fluid for Preventing Formation of Rust in the Cooling System of Internal Combustion Systems, and Liquid Chemical Composition for Soaking Decalcomania in Order to Separate the Transparent Printed Layer From Its Paper Backing and Render the Surface of Said Transparent Layer Adhesive.
Claims use since December 1948.

Ser. No. 601,424. Godfrey L. Cabot, Inc., Boston, Mass. Filed July 29, 1950.

Cabflex

For Plasticizers.
Claims use since June 30, 1950.

Ser. No. 601,962. Thompson Horticultural Chemicals Corporation, Los Angeles, Calif. Filed Aug. 8, 1950.

LINCIDE

For Insecticides.
Claims use since May 5, 1950.

Ser. No. 606,871. Kelco Company, San Diego, Calif. Filed Nov. 24, 1950.

KELMAR

For Alkali Metal Salts of Alginic Acid.
Claims use since Dec. 31, 1940.

Ser. No. 607,012. Fulbright Laboratories, Inc., Charlotte, N. C. Filed Nov. 28, 1950.

FUL-O-CIDE

For Water Softening Agent.
Claims use since Feb. 7, 1950.

Ser. No. 607,380. Geigy Company, Inc., New York, N. Y. Filed Dec. 7, 1950.

BOSAN

For Wood Preserving Preparation.
Claims use since Oct. 25, 1950.

Ser. No. 607,382. Geigy Company, Inc., New York, N. Y. Filed Dec. 7, 1950.

SPUD

For Insecticide.
Claims use since Apr. 27, 1948.

Ser. No. 607,449. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed Dec. 8, 1950.

PENSO

For Alkalis.
Claims use since Jan. 20, 1950.

Ser. No. 608,187. Central Petroleum Company, Cleveland, Ohio. Filed Dec. 8, 1950.

Cen-Pe-Co

Applicant claims ownership of Registrations Nos. 201,328, 283,713, and 501,416.
For Anti-Freezes.
Claims use since Oct. 17, 1949.

CLASS 7

CORDAGE

Ser. No. 608,473. Paulsen-Webber Cordage Corporation, New York, N. Y. Filed Jan. 6, 1951.

Agricord

For Twine.
Claims use since Dec. 2, 1950.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 595,528. Anders Chemical Corporation, East Rutherford, N. J., assignor to Alex F. W. Olze, doing business as Anders Chemical Company, East Rutherford, N. J. Filed Apr. 11, 1950.

ANDOMER

For Pigmented Emulsion Printing Paste.
Claims use since Aug. 1, 1949.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 561,842. Masback Incorporated, New York, N. Y. Filed July 21, 1948. (Sec. 2f.)



The drawing is lined for shading purposes only.
For Wire Screen Cloth, Lawn Sprinklers, Radiator Air Valve and Screen Door Closers.
Claims use since Nov. 6, 1930.

Ser. No. 574,250. Fred J. Schwartz, Toledo, Ohio. Filed Feb. 21, 1949. (Sec. 2f.)

MULTI-GRIP

For Fasteners and Supports of the General Character of Drapery Hangers, Drapery Hooks, Drapery Clamps, Drapery Holders, and Drapery Rings of Metal and/or Plastic.
Claims use since November 1931.

Ser. No. 584,416. Remco, Inc., Zellenople, Pa. Filed Sept. 2, 1949.

FROST-TITE

For Coupling Nuts Used in Refrigerating Systems for Coupling One Pipe to Another, or to an Element of the System, Wherever the Coupling Is Subject to Expansion and Contraction Due to Wide Temperature Changes.
Claims use since Aug. 15, 1949.

Ser. No. 590,366. The Hopp Press, Inc., New York, N. Y. Filed Jan. 5, 1950.

TAMPER-PROOF EXTRUDO

The words "Tamper-Proof" are disclaimed. Applicant claims ownership of Registration No. 512,499.
For Mounting Strips for Supporting and Displaying Price Cards and Price Tags.
Claims use since Sept. 1, 1948.

Ser. No. 598,662. Markwell Manufacturing Company, Inc., New York, N. Y. Filed June 6, 1950.

Staple Sal



The representation of the staples and the word "Staple" are disclaimed. The trade-mark consists of the words "Staple Sal" and a fanciful portrait.
For Staples Used for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal Together, also for Fastening Papers, Cardboard, Fabrics, and Light Gage Metal on to Wood.
Claims use since Oct. 24, 1949.

Ser. No. 608,852. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

LIGHTNING HIGH SPEED

The words "High Speed" are disclaimed. Applicant claims ownership of Registrations Nos. 417,771 and 418,196.
For Deluge Sprinkler Units, Piping, Valves, and Sprinklers Therefor.
Claims use since Jan. 15, 1943.

Ser. No. 609,434. A. W. Cash Valve Manufacturing Corporation, Decatur, Ill. Filed Jan. 31, 1951.

TEMPO

The mark comprises the word "Tempo."
For Automatic Reseating Relief Valves.
Claims use since Apr. 18, 1950.

Ser. No. 610,145. Rollex Fastener Co., Inc., New York, N. Y. Filed Feb. 15, 1951.

ROLLEX

For Slide Fasteners To Be Used on Clothing, Leather Goods, Plastic Goods, Hand Bags, and Luggage.
Claims use since June 1, 1947.

Ser. No. 610,149. J. A. Sexauer Mfg. Co., Inc., New York, N. Y. Filed Feb. 15, 1951.

SEX-ITE

For Ball Cock Seat Caps, Ball Cock Screws, Ball Cock Thumb Screws, Cotter Pins, Copper Refill Tubes, Flush Valves, Lever Wires, and Tank Bulb Stems.
Claims use since 1922.

Ser. No. 610,461. Rail Air Equipment Company, Los Angeles, Calif. Filed Feb. 23, 1951.

PAX

For Rivets.
Claims use since Oct. 1, 1948.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 596,802. Republic Foil and Metal Mills Incorporated, Danbury, Conn. Filed May 3, 1950.



For Aluminum Foil, Coated and Uncoated; and Aluminum Foil Combined With Paper, Cloth, Wood, Plastic, and Similar Sheet Materials.
Claims use since May 17, 1948.

Ser. No. 601,800. International Harvester Company, Chicago, Ill. Filed Aug. 5, 1950.



The lining forms a part of the mark and does not serve to indicate color. The name "Irma Harding" does not refer to any particular living individual, and the picture is fanciful. The words "Packaging Materials Tested And Approved By" and "Home Economist" are disclaimed. Applicant claims ownership of Registration No. 420,804.
For Refrigeration Packaging Products—Namely, Aluminum Wrapping Foil.
Claims use since Apr. 29, 1949.

Ser. No. 604,701. Nelson Manufacturing Corporation, Pontiac, Mich. Filed Oct. 10, 1950.

NM

For Metal Stampings Made to Specification and Metal Spinnings Made to Specification.
Claims use since Mar. 1, 1945.

Ser. No. 607,037. The New Jersey Zinc Company, New York, N. Y. Filed Nov. 28, 1950.

VFZ

For Slab Zinc.
Claims use since Oct. 17, 1950.

Ser. No. 607,420. Carnegie-Illinois Steel Corporation, Pittsburgh Pa., now by merger and change of name United States Steel Company, a corporation of New Jersey. Filed Dec. 8, 1950.

DI-LOK

For Steel Bars.
Claims use since Oct. 11, 1950.

Ser. No. 608,139. Alpha Metals, Inc., Brooklyn, N. Y. Filed Dec. 28, 1950.

CEN-TRI-CORE

The word "Core" is disclaimed.
For Solder.
Claims use since Nov. 28, 1950.

CLASS 15

OILS AND GREASES

Ser. No. 596,943. The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa. Filed May 5, 1950.

Varsity

Applicant claims ownership of Registration No. 265,055.
For Penetrating Oils.
Claims use since May 1, 1929.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 531,823. Patek Brothers, Inc., Milwaukee, Wis. Filed Aug. 19, 1947. (Sec. 2f.)

PROTECTIRON

Applicant claims ownership of Registration No. 233,452.
For Paint Sold in Liquid Form.
Claims use since May 3, 1912.

Ser. No. 539,608. Minnesota Linseed Oil Paint Company, doing business as The Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind., now by change of name Minnesota Paints Inc., a corporation of Minnesota. Filed July 5, 1947.

Chi Namel

The word "Namel" is disclaimed. Applicant claims ownership of Registrations Nos. 247,959, and 325,417.
For Varnishes (Clear or Colored), Liquid Coating Compositions for Simulating Wood Graining; a Ground Coating Paint; Furniture Polish; Liquid Lacquers; Liquid Colored Paint Enamels, Including Synthetic Enamel; Screen Enamel; Stove Pipe Enamel; Floor Enamels; Auto Enamels; and Ground Coating Enamels; Liquid House Paints; Liquid Barn Paints; Liquid Flat Wall Paint; Liquid Interior Gloss Wall Paint; Liquid Semi-Gloss Paint; Liquid Interior Gloss Wall Paint; Liquid Interior Semi-Gloss Paint; Liquid Traffic Zone Paint; Liquid Truck, Tractor, and Implement Paints; Liquid Tinner Paints; Liquid Aluminum Paint, Including Glazing Liquid in the Nature of a Varnish; Wood Fillers, Liquid and Paste; Bronzing Liquid and Gold Bronze Size; Liquid Asphaltum Varnishes; Liquid Paint Drier; Liquid Colors in Oil for Paints, and Liquid Varnish Remover.
Claims use since 1901.

Ser. No. 555,055. Country Stores Brands, Inc., Chicago, Ill. Filed Apr. 20, 1948.

COUNTRY STORE

For Ready Mixed Oil Paint.
Claims use since Jan. 27, 1948.

Ser. No. 556,614. The American Crayon Company, Sandusky, Ohio. Filed May 10, 1948.

DEK-ALL

For Thermo-Setting Colored Coating Composition for Decorating Glass, Metal, China, Plastic, and Similar Surfaces.
Claims use since Mar. 23, 1948.

Ser. No. 561,155. Standard Varnish Works, Staten Island, N. Y. Filed July 10, 1948.

PRIMARITE

Applicant claims ownership of Registration No. 89,514.
For Liquid Filler Intended for Priming and First Coating on Hard and Soft Woods.
Claims use since Feb. 5, 1909.

Ser. No. 565,717. Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Filed Sept. 23, 1948. (Sec. 2f.)

Phelan's

MASK-LAK

Applicant claims ownership of Registrations Nos. 422,383, 154,364, and 362,984.
For Quick Drying Synthetic Lustreless Enamel Designed To Secure One Coat Obliteration of Stencilling Marks on Wood, Metal, or Fibre Cases.
Claims use since Sept. 8, 1943.

Ser. No. 569,981. Minnesota Platon Corporation, Pipestone, Minn. Filed Dec. 4, 1948.

Platon

For Air Drying Phenolic Varnish as a Protective Coating for Wood, Metal, and Concrete.
Claims use since May 7, 1948.

Ser. No. 590,655. Devoe & Raynolds Company, Inc., New York, N. Y. Filed Jan. 11, 1950.

SYN-U-TEX

Applicant claims ownership of Registration No. 297,612.
For Resins and Resin Solutions for Use as Ingredients in the Manufacture of Industrial Type Paints.
Claims use since Nov. 11, 1949.

Ser. No. 595,377. Paul H. Houser, doing business as West Coast Trading Company, Los Angeles, Calif. Filed Apr. 7, 1950.



For Ceramic Ready-Mixed Underglaze, Glaze, and Over-Glaze Color Coatings.
Claims use since Oct. 29, 1949.

Ser. No. 605,578. Chemical Service of Baltimore, Baltimore, Md. Filed Oct. 30, 1950.

HYDRAOXATED

For Floor Wax.
Claims use since Sept. 15, 1950.

Ser. No. 605,635. De Soto Paint & Varnish Co., Memphis, Tenn. Filed Oct. 31, 1950.

DE-SO-TEX

For Paint Products—Namely, Casein Base Water Paints.
Claims use since January 1935.

Ser. No. 605,636. De Soto Paint & Varnish Co., Memphis, Tenn. Filed Oct. 31, 1950.

DeSoKrome

For Paint Products—Namely, Aluminum Paints for Interior and Exterior Use.
Claims use since January 1948.

Ser. No. 606,992. Weather-Seal Inc., Barberton, Ohio. Filed Nov. 27, 1950.

WEATHER-LOX

For Varnish.
Claims use since Apr. 1, 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 605,363. Larus & Brother Company, Richmond, Va. Filed Oct. 24, 1950.

HOLIDAY
Kings

No claim is made to the word "King." Applicant claims ownership of Registration No. 400,357.
For Cigarettes.
Claims use since Aug. 28, 1950, as shown; and since Oct. 11, 1930, as to "Holiday."

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 560,327. Feedstuffs Processing Company, Oakland, Calif. Filed June 28, 1948.

CALBREW

For Vitamin Concentrate Adapted as a Food Supplement in the Preparation of Livestock and Poultry Feeds.
Claims use since Oct. 3, 1944.

Ser. No. 560,328. Feedstuffs Processing Company, Oakland, Calif. Filed June 28, 1948.

Thrive

For Food Concentrate Adapted as a Vitamin Aminoacid Supplement in the Preparation of Livestock and Poultry Feeds.
Claims use since Apr. 22, 1947.

Ser. No. 582,669. H. Hall Marshall, doing business as Consultants' Laboratories of New Jersey, Newark, N. J. Filed July 13, 1949.



For Powdered Medicament for Skin Absorption by Osmosis From an Aqueous Bath and Used in the Treatment of Chronic Deep Seated Infections.
Claims use since Feb. 1, 1948.

Ser. No. 584,814. Imperial Chemical (Pharmaceuticals) Limited, London, England. Filed Sept. 14, 1949.

UDOLAC

Applicant claims ownership of British Registration No. 650,809, dated Aug. 19, 1946.
For Veterinary Medicines Based on 4:4' Diaminodiphenylsulphone.

Ser. No. 586,970. Charles James Hand, trading as The Brazilian Yerbama Co., London, England. Filed Oct. 28, 1949.

YERBAMA

For Herbal Preparation for Human Use in the Treatment of Arthritis, Rheumatism, Indigestion, Neurasthenia, Obesity, Insomnia, Abnormal Blood Pressure, Liver and Kidney Troubles, Impurities of the Blood, Sciatica, Lumbago, and Neuritis.

Claims use since Oct. 29, 1934, in Great Britain; and since Dec. 31, 1936, in commerce between the United States and Great Britain.

Ser. No. 596,189. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Apr. 22, 1950.

NUDOX

In the drawing the fact that the trade-mark is imprinted on a red background is indicated by the conventional lining for red.

For Medical Preparation—Namely, a Sterile Solution of Thiamine and Pyridoxine for Treatment of Vomiting in Pregnancy.

Claims use since May 26, 1949.

Ser. No. 600,394. Burbot Liver Products Co., Baudette, Minn. Filed July 8, 1950.

METHYLOSE

For Methyl Cellulose Put Out in Tablet Form and Used as a Laxative.

Claims use since Jan. 27, 1950.

Ser. No. 600,959. Imperial Chemical (Pharmaceuticals) Limited, London, England. Filed July 20, 1950.

AVLOSULFON

Applicant claims ownership of British Registration No. 677,915, dated Mar. 16, 1949, and United States Registrations Nos. 425,096 and 538,644.

For Sulphones or a Sulphone for the Treatment of Leprosy.

Ser. No. 602,293. E. R. Squibb & Sons, New York, N. Y. Filed Aug. 16, 1950.

RUBRATON

Applicant claims ownership of Registration No. 530,328.

For Antianemic Preparation.

Claims use since July 28, 1950.

Ser. No. 602,534. Joseph Weisberger, doing business under the name and style of The Wafer Products Co., Leonia, N. J. Filed July 1, 1950.

ULADON

For Preparation for the Treatment of Pyorrhea, Gingivitis; Sensitive, Bleeding, Spongy, or Bleeding Gums; and Inflamed Conditions of the Mucous Membranes of the Mouth and Throat.

Claims use since Jan. 15, 1924.

Ser. No. 605,106. Mead Johnson & Company, Evansville, Ind. Filed Oct. 18, 1950.

FER-IN-SOL

For Concentrated Solution of Ferrous Sulphate Used for the Treatment of Iron Deficiency.

Claims use since Dec. 19, 1949.

Ser. No. 605,792. Chas. L. Huisking & Co., Inc., Brooklyn, N. Y. Filed Nov. 2, 1950.

DEVOLKOD

For Cod Liver Oil, Natural and Fortified, for Medicinal Use and for Use as a Supplement to Animal Feeds.

Claims use since Oct. 24, 1950.

Ser. No. 609,738. The Pharma-Craft Corporation, New York, N. Y. Filed Feb. 7, 1951.

METHYLAX

For Laxative.

Claims use since Oct. 8, 1948.

CLASS 19

VEHICLES

Ser. No. 583,963. United States Rubber Company, New York, N. Y. Filed Aug. 24, 1949.

AIR RIDE

No claim is made to the word "Air."

For Inflatable Cushion for Use as a Permanent Part of a Vehicle Seat.

Claims use since June 23, 1949.

Ser. No. 584,992. Parker, Stearns and Company, Brooklyn, N. Y. Filed Sept. 17, 1949.

AIR-RYDE

No claim is made to the word "Air."

For Pre-Shaped Pneumatic Seat Fillers of Rubber and Like Materials With or Without Coated Fabric Coverings for Use in Shock-Absorbing Seats for Vehicles, and Complete Vehicle Seats Containing Said Fillers.

Claims use since June 1948.

Ser. No. 587,772. Louis S. Weast, doing business as Weast, Los Angeles, Calif. Filed Nov. 14, 1949.

HI-D-WA

For Foldable Shopping Carts.

Claims use since July 25, 1949.

Ser. No. 604,515. Barmatic Products Company, Cleveland, Ohio. Filed Oct. 6, 1950.

BARMATIC

For Drag Links and Tie Rod Ends for Automotive Vehicles.

Claims use since 1938.

Ser. No. 607,794. Cochran & Celli, Oakland, Calif. Filed Dec. 18, 1950.

C & C

For Trailers—Namely, Dump Trailers, Heavy-Duty Cargo Trailers and Semi-Trailers Used With Tractor Trucks; Truck Bodies; and Trailer Axles for Trucks.

Claims use since January 1934.

Ser. No. 608,492. Controla Manufacturing Co., Chicago, Ill. Filed Jan. 8, 1951.

"THE THING!"

For Hood Ornament for Automobiles.

Claims use since Mar. 18, 1950.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 606,627. New London Mills, Inc., New London, Conn. Filed Nov. 18, 1950.

Lenoleum

For Felt Base Floor Coverings.

Claims use since Sept. 28, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 609,410. Northern Metal Products Company, Chicago, Ill. Filed Jan. 30, 1951.

NORTHERN

For Electrical Apparatus—Namely, Condenser Cases, Condenser Case Covers, Ballast Cans, Ballast Can Covers, Electrical Capacitor Cases, Electrical Capacitor Case Covers, Fuse Cases, Transformer Cans, Transformer Can Covers, Electronic Tube Shield Covers, and Shield Covers for Television Viewing Tubes.

Claims use since May 1927.

Ser. No. 609,861. Huwood Components Limited, Newcastle-on-Tyne, England. Filed Feb. 9, 1951.

LAMMIX

Applicant claims ownership of British Registration No. 685,573, dated June 23, 1950.

For Electrically Powered Culinary Mixing and Mincing Machines.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 564,486. The Vernon Company, Newton, Iowa. Filed Aug. 31, 1948.

Bask-O-Bell

The word "Bell" is disclaimed.

For Basketball Sets.

Claims use since August 1948.

Ser. No. 591,031. Ruth Gibbs, Inc., Flemington, N. J. Filed Jan. 18, 1950.

Godey's Little Lady Dolls

The words "Little Lady Dolls" are disclaimed. The sole purpose of the association of the word "Godey's" with the words "Little Lady Dolls" is to suggest the fashions of the nineteenth century which were very widely publicized in the periodical "Godey's Lady's Book" during the period 1830 to 1898. Applicant claims ownership of Registration No. 535,226.

For Dressed Dolls.

Claims use since Dec. 5, 1947.

Ser. No. 593,537. E. C. Gregg, Bradenton, Fla. Filed Mar. 7, 1950.

"Nylure"

For Artificial Bait.

Claims use since July 1, 1949.

Ser. No. 597,237. The Sun Rubber Company, Barberton, Ohio. Filed May 10, 1950.

SUNITE

For Basketball Covers, Football Covers, and Soccer Ball Covers.
Claims use since Apr. 26, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No 536,890. Gar Wood Industries, Inc., Wayne, Mich. Filed Oct. 6, 1947.

GarWood

For Hydraulic Pumps; Hydraulic Direct-Lift, Arm-Type, Cam and Roller, Telescopic, Hi-Lift, and Mechanical Hoists and Parts; Truck and Tractor Power Take-Offs; Mechanical Winches; Cranes; Derricks; Capstans; Sheave Blocks; Wire Reeling Units; Gear Boxes; Speed Reducers; Earth Moving and Road Building Machinery—Namely, Hydraulic and Cable Controlled Scoop Scrapers, Bulldozers, Dozecasters, Stump Dozers, Truck Patrols, Angle Dozers, Road Builders, Road Spreaders, Finegraders, Rippers, and Tamping Rollers; Cable and Hydraulic Power Control Units; Hydraulic Tailgate Loaders; Power Shovels; Trench Hoes; Pile Drivers; and Trenchers.
Claims use since Aug. 1, 1947, as shown; and since prior to April 1923 in conventional block style of lettering.

Ser. No. 537,763. Gar Wood Industries, Inc., Wayne, Mich. Filed Oct. 6, 1947.

GAR WOOD GW INDUSTRIES

The word "Industries" is disclaimed.
For Hydraulic Pumps; Hydraulic Direct-Lift, Arm-Type, Cam and Roller, Telescopic, Hi-Lift and Mechanical Hoists and Parts; Truck and Tractor Power Take-Offs; Mechanical Winches and Cranes; Derricks; Capstans; Sheave Blocks; Wire Reeling Units; Gear Boxes; Speed Reducers; Earth Moving and Road Building Machinery—Namely, Hydraulic and Cable Controlled Scoop Scrapers, Bulldozers, Dozecasters, Stump Dozers, Truck Patrols, Angle Dozers, Road Builders, Road Spreaders, Finegraders, Rippers and Tamping Rollers; Cable and Hydraulic Power Control Units; Hydraulic Tailgate Loaders; Power Shovels; Trench Hoes; Pile Drivers; and Trenchers.
Claims use since Aug. 1, 1947.

Ser. No. 541,901. West Bend Equipment Corporation, West Bend, Wis. Filed Nov. 20, 1947. (Sec. 2f.)

"Weld-Bilt"

Applicant claims ownership of Registration No. 284,238.
For Hand Pulled Hydraulically Operated Lift Trucks and Wheeled and Non-Wheeled Hydraulically Operated Freight Elevators.
Claims use on hand pulled hydraulically operated lift trucks since February 1937; on wheeled freight elevators since February 1936; and on non-wheeled freight elevators since May 1939.

Ser. No. 563,673. G & D Manufacturing Company, Streator, Ill. Filed Aug. 18, 1948.

Farmer's Friend

The word "Farmer's" is disclaimed.
For Mechanical Farm Equipment—Namely, Speed Jacks, Grain Elevators, Post Hole Diggers, Power Loaders, Buck Rakes, Power Take Off Drives, and Lifting Hoists.
Claims use since July 1904.

Ser. No. 564,488. Warsop Petrol Drill & Tools Ltd., London, England. Filed Aug. 31, 1948.

WARSOP

Right of priority (Sec. 44d) based on British Registration No. 667,497, dated Mar. 4, 1948.
For Rock Drills, Road-Breaking Machines, Tamping Machines, Earth-Ramming Machines, a Power Operated Tree-Cutting Tool Comprising a Power Drive to Which Is Attached Such Cutting Blades as Chisels, Pile-Driving Machines, Power-Driven Spades, and the Parts of Any Such Goods.

Ser. No. 564,921. Baker Manufacturing Company, Evansville, Wis. Filed Sept. 10, 1948.

Monitor

For Windmills.
Claims use since 1874.

Ser. No. 567,162. Woodboss Inc., Portland, Oreg. Filed Oct. 18, 1948.

WOODBOSS

For Portable Internal Combustion Engines Adapted for Operating Chain Saws, and Parts Thereof.
Claims use since Jan. 1, 1948.

Ser. No. 567,227. The Aerotec Corporation, Greenwich, Conn. Filed Oct. 20, 1948.

AEROTEC

For Centrifugal Gas and Particle Separators and Samplers for Gathering or Collecting Dust or Separated Particles for the Purpose of Conducting Tests Thereof and Determining the Particle or Dust-Content of the Gas.
Claims use since Aug. 1, 1946.

Ser. No. 568,437. Máquinas de Coser Alfa Sociedad Anónima, Eibar (Guipuzcoa), Spain. Filed Nov. 9, 1948.

ALFA

The mark consists of the representation of a sewing machine and the word "Alfa" in black color in combination with the capital letter "A" in red color. The representation of a sewing machine is disclaimed. Applicant claims ownership of Spanish Registration No. 129,563, dated Feb. 18, 1944.
For Sewing and Stitching Machines as Well as Spare Parts.

Ser. No. 572,028. The Elwell-Parker Electric Company, Cleveland, Ohio. Filed Jan. 12, 1949.



No claim is made to the word "Series" nor to the word "Air."
For Industrial Lift Trucks for Tiering, Transporting, and Handling Loads.
Claims use since Apr. 1, 1948.

Ser. No. 578,463. Delmont R. Peterson, doing business as Peterson Welding Laboratories, Kansas City, Mo. Filed May 9, 1949.

VIBRA-MOTIVE

The term "Motive" is disclaimed.
For Electrically Powered Table Type Vibratory Grinding Machines.
Claims use since Mar. 7, 1949.

Ser. No. 585,379. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Sept. 27, 1949.

CAPITAL

For Hand Operated Compression Sprayers Used To Atomize Fly Oils, Soluble Insecticides, Fungicides, Weed Killers; Also Used to Spray Deodorants, Perfume Sprays and Any Light to Heavy Sediment-Free Liquids.
Claims use since Dec. 31, 1933.

Ser. No. 594,190. The Bates Manufacturing Company, West Orange, N. J. Filed Mar. 18, 1950.

MERCURY

For Stapling Machines.
Claims use since Oct. 12, 1946.

Ser. No. 596,172. Lincoln Precision Machining Company-Hoist Division, North Grafton, Mass. Filed Apr. 22, 1950.

LUG-ALL

For Manually Operable Portable Hoists.
Claims use since Apr. 7, 1949.

Ser. No. 596,869. Schramm, Inc., West Chester, Pa. Filed May 4, 1950.

UniStage

For Engine Driven Air Compressors.
Claims use since Aug. 16, 1949.

Ser. No. 597,974. Oil Well Supply Company, Dallas, Tex. Filed May 23, 1950.

NPD

For Subsurface Pumps and Parts Thereof.
Claims use since Apr. 13, 1950.

Ser. No. 598,202. Paramount Textile Machinery Co., Chicago, Ill. Filed May 26, 1950.

DUOMOLD

Applicant claims ownership of Registration No. 378,112.
For Hosiery Setting Machines.
Claims use since Feb. 2, 1950.

Ser. No. 598,754. Scintilla Ltd., Soleure, Switzerland. Filed June 7, 1950.

LESTO

Applicant claims ownership of Swiss Registration No. 104,462, dated May 10, 1943.
For Propulsion Systems and Apparatus for Land, Air, and Water Vehicles—Namely, Change-Speed Gears, Gear Hubs, Jet Propelling Motors; Industrial Blowers and Compressors (Non-Electric); Internal Combustion Engines and Accessories—Namely, Fuel Injection Units, Superchargers, Carburetors, Governors; Machine Tools—Namely, Lathes, Wood-Working Machines.

Ser. No. 604,670. The Triangle Jack Company, Inc., Wichita, Kans. Filed Oct. 9, 1950.

Miracle

For Manually Operated Mechanical Jacks for Motor Vehicles.
Claims use since Sept. 6, 1950.

Ser. No. 609,358. Central Ohio Steel Products Company, doing business in the name of The Galion Allsteel Body Company, Galion, Ohio. Filed Jan. 29, 1951. (Sec. 2f.)

GALION

Applicant claims ownership of Registration No. 526,746.
For Hoists for Use in Connection With Dump Trucks.
Claims use since 1919.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 586,392. Blackstone Corporation, Jamestown, N. Y. Filed Oct. 17, 1949.



Applicant claims ownership of Registration No. 391,010.
For Domestic Clothes Washing Machines, Wringers, Centrifugal Laundry Dryers, and Ironing Machines.
Claims use since 1941.

Ser. No. 599,118. Resillo Company, Chicago, Ill. Filed June 14, 1950.

FOAMONEL

Applicant claims ownership of Registration No. 514,796.
For Press Pads Employed for Pressing Clothing.
Claims use since Mar. 27, 1950.

Ser. No. 612,131. Marx & Cohen Company, St. Louis, Mo. Filed Apr. 2, 1951.

COMAR

For Pads for Ironing Boards.
Claims use since Sept. 15, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 517,096. Vector Manufacturing Company, Houston, Tex. Original filed, act of 1905, Feb. 6, 1947; amended to application under act of 1946, Principal Register, Jan. 8, 1948.

Vector

For Electrical Psychophysical Apparatus for Use in Observing Time Relations Between Stimuli and the Physical Reactions and Responses Thereto.
Claims use since May 1, 1946.

Ser. No. 553,845. General Controls Co., Glendale, Calif. Filed Apr. 5, 1948.

hi-g

For Temperature Control and Regulating Systems for Liquid Cooled or Air Cooled Internal Combustion Engines—Namely, Thermostatically Operated Valves Controlling the Flow of Cooling Liquid or Cooling Air.
Claims use since Oct. 26, 1942.

Ser. No. 553,847. General Controls Co., Glendale, Calif. Filed Apr. 5, 1948.



For Temperature Control and Regulating Systems for Liquid Cooled or Air Cooled Internal Combustion Engines—Namely, Thermostatically Operated Valves Controlling the Flow of Cooling Liquid or Cooling Air.
Claims use since December 1944.

Ser. No. 601,994. Money-Meters, Inc., Providence, R. I. Filed Aug. 9, 1950.

GRANT ELECTROFARER

The word "Grant" is disclaimed.
For Coin or Token Receiving and Registering Receptacles.
Claims use since Dec. 27, 1948.

Ser. No. 606,164. Wm. W. Nugent & Co., Inc., Chicago, Ill. Filed Nov. 9, 1950.



The figure shown is fanciful. The representation of the oil can is disclaimed.
For Measuring and Indicating Devices—Namely, Sight Feed Valves, Sight Flows and Sight Overflows, Liquid Flow Indicators, Oilers for Dispensing Oil in Predetermined Amounts Through Capillary Action, Liquid Level Gauges.
Claims use since 1908.

Ser. No. 607,596. Omega Machine Company, Providence, R. I. Filed Dec. 12, 1950.

Fluoridizer

For Feeders for Continuously and Automatically Proportionately Feeding Powdered or Granular Material, Such as Sodium Fluoride or Silico Fluoride into a Mass of Material To Become a Part Thereof.
Claims use since September 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 582,342. Bulova Watch Company, Inc., New York, N. Y. Filed July 22, 1949.

Mr. America

Applicant claims ownership of Registration No. 247,738.
For Wrist or Strap Watches.
Claims use since June 23, 1949.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 584,124. Interatlantic Trading Corp., New York, N. Y. Filed Aug. 27, 1949.

"GEISHA"

For Costume Jewelry—Namely, Necklaces, Bracelets, Fingerrings, Earrings, Brooches With and of Cultured Pearls.
Claims use since July 20, 1949.

Ser. No. 585,089. Alfred M. Walker, doing business as B. Prince & Co., San Francisco, Calif. Filed Sept. 20, 1949.



The representation of the wrist watch strap is disclaimed.
For Wrist Watch Straps.
Claims use since Sept. 6, 1949.

Ser. No. 607,218. Granat Bros., San Francisco, Calif. Filed Dec. 2, 1950.

Fleur de Lis

Applicant claims ownership of Registration No. 282,691.
For Finger Rings.
Claims use since Jan. 2, 1930.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 574,270. Baker Brush Co., Inc., New York, N. Y. Filed Jan. 28, 1949.



The word "Brand" is disclaimed. The drawing is lined to indicate red. Applicant claims ownership of Registration No. 345,519.
For Paint Brushes.
Claims use since Sept. 25, 1936.

Ser. No. 581,253. Charles C. Davis, doing business as C. C. Davis Specialties, Cleveland, Ohio. Filed June 29, 1949.

NAMETTE

For Tooth Brushes for Children and Adults.
Claims use since May 28, 1949.

Ser. No. 584,696. Harry C. Rippe, Mt. Vernon, N. Y. Filed Sept. 10, 1949.

NYLO-MITT

The word "Mitt" is disclaimed.
For Unimpregnated Polishing, Cleaning, and Dusting Mitt.
Claims use since Aug. 2, 1949.

Ser. No. 597,273. Hanlon & Goodman Co., Belleville, N. J. Filed May 11, 1950. (Sec. 2f.)

STREAM-FLO

For Paint Brushes.
Claims use since 1938.

Ser. No. 598,232. Acme Cotton Products Co., Inc., New York, N. Y. Filed May 27, 1950.



For Cotton, Cotton Pads, and Gauze Pads for Use in the Application of Cosmetics to and Removal of Cosmetics From the Skin.
Claims use since Aug. 20, 1948.

Ser. No. 599,150. Binney & Smith Company, New York, N. Y. Filed June 15, 1950. (Sec. 2f.)



All wording is disclaimed except the words "Gold Medal." Applicant claims ownership of Registrations Nos. 253,002 and 236,046.
For Water Color Brushes.
Claims use since 1922.

Ser. No. 599,542. Whiting-Adams Company, Inc., Boston, Mass. Filed June 21, 1950.

PARAMOUNT

For Flat Varnish Brushes, Flat Sash Trim Brushes, Oval Sash Tool Brushes, Enamel Brushes, Wall Brushes, Flatting Wall Brushes, Kalsomine Brushes, Oval Varnish Brushes, and Stucco Paint Brushes.
Claims use since June 1937.

Ser. No. 599,569. Johnson & Johnson, New Brunswick, N. J. Filed June 22, 1950.

Tek

Applicant claims ownership of Registration No. 258,849.
For Toilet Brushes, Tooth Brushes, and Other Personal Brushes.
Claims use since Mar. 7, 1928.

Ser. No. 600,511. Richmond Broom Company, Richmond, Va. Filed July 11, 1950.

Kleenette

For Household Brooms.
Claims use since May 5, 1950.

Ser. No. 605,234. Garvin Dennis Shallenberger, Missoula, Mont. Filed Oct. 20, 1950.

Shine-Pal

The word "Shine" is disclaimed.
For Shoe Shining Kits.
Claims use since Oct. 5, 1950.

Ser. No. 605,657. Howard Dustless-Duster Co., Dorchester, Mass. Filed Oct. 31, 1950.

DUST-EATER

The word "Dust" is disclaimed.
For Dust Mops.
Claims use since May 1, 1950.

Ser. No. 605,977. Williams Brush Company, Inc., New York, N. Y. Filed Nov. 6, 1950. (Sec. 2f.)

Kreviskleener

Applicant claims ownership of Registration No. 170,353.
For Toothbrushes.
Claims use since Mar. 21, 1921.

Ser. No. 606,095. Warren & Staggers, Adairville, Ky. Filed Nov. 8, 1950.

KORNY KLEENER

The word "Kleener" is disclaimed.
For Squeegee.
Claims use since Oct. 16, 1950.

Ser. No. 606,832. White Wood Products Co., Inc., Bogalusa, La. Filed Nov. 22, 1950.



The words "Fine Pine—Fine Fur—White Wood" and representation of the goods are disclaimed.
For Broom, Mop, Sweeper, and Brush Handles.
Claims use since Oct. 1, 1950.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 514,679. American Gas Machine Company, Albert Lea, Minn. Original filed, act of 1905, Dec. 23, 1946; amended to application under act of 1946, Principal Register, May 11, 1951. (Sec. 2f.)

KAMPKOLD

For Portable Ice Boxes.
Claims use since Feb. 28, 1946.

Ser. No. 581,123. Croll-Reynolds Co. Inc., Teterboro, N. J. Filed June 27, 1949.

CHILL-VACTOR

The word "Chill" is disclaimed.
For Cooling Systems for Reducing Temperatures, Even to the Freezing Point and Under, of Water and Aqueous Solutions, Suspensions, and Mixtures, and of Organic Solutions, Liquids, Suspensions, and Mixtures, for Example, Cooling Edible Juices as by Flash Pressure Reduction to Preserve Their Flavor, Whiskey Mashes, Air as in Air Conditioning Systems, Aqueous Solutions of Substances as in Vacuum Crystallization, and Organic Suspensions as in Dewaxing Petroleum and its Distillate Fractions, and Vacuum Vapor Flash Chambers, Steam Jet Compressors, Condensers, and Leakage Air Ejectors as Components of Such Systems.
Claims use since Mar. 12, 1934.

Ser. No. 593,408. Great Lakes Carbon Corporation, New York, N. Y. Filed Mar. 4, 1950.

211

For Filter Aid Based on Diatomaceous Earth Which Is Particularly Adapted to the Filtration of Colloidal Suspensions and Oil-in-Water Emulsions.
Claims use since Feb. 12, 1948.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 510,713. Peter V. Martino, doing business as Fitsall Display Co., Long Island City, N. Y. Original filed, act of 1905, Oct. 11, 1946; amended to application under act of 1946, Principal Register, May 20, 1948.

FITSALL DISPLAYS

No claim is made to the term "Display."
For Platform Units for Exhibiting Jewelry Articles and the Like in Show Cases and Windows.
Claims use since Sept. 19, 1946.

Ser. No. 573,533. Du-List Products Corporation, New York, N. Y. Filed Feb. 9, 1949.

STACK-A-DOOR

No claim is made to the word "Door."
For Metal Swinging Sectional Cabinets Mounted on the Rear of a Door for Providing Storage Space.
Claims use since Feb. 3, 1949.

Ser. No. 591,460. Development Corporation of America, Los Angeles, Calif. Filed Jan. 26, 1950.

THE Automatic ALBUM
RECORD-MASTER

The words "The Automatic Album" and "Record" are disclaimed.
For Phonograph Record Storage Racks.
Claims use since June 3, 1948.

Ser. No. 607,669. The Globe-Wernicke Co., Norwood, Cincinnati, Ohio. Filed Dec. 14, 1950.

GUARD-X

For Record Card Filing Tray.
Claims use since Oct. 18, 1950.

Ser. No. 608,001. The Hitchcock Chair Company, Riverton, Conn. Filed Dec. 22, 1950.

"SETTLER"

For Furniture Seat or Bench.
Claims use since Nov. 30, 1950.

Ser. No. 608,234. Bandwagon Manufacturing, Inc., Boston, Mass. Filed Dec. 30, 1950.



For Plant Stands.
Claims use since May 2, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING

Ser. No. 558,501. National Cylinder Gas Company, Chicago, Ill. Filed June 4, 1948.

FERROJET

For Cutting, Scarfing, and Similar Thermochemical Metal Removing Apparatus Comprising Oxyfuel Torches, Tips, and Adjuvant Powder Containing Chambers With Gas Conduits and Valves for Ejecting Powder, and Parts Thereof.
Claims use since October 1947.

Ser. No. 598,627. Frederick H. Bartz, Chicago, Ill. Filed June 6, 1950.

SNACKIT

For Portable Stove for Outdoor and Indoor Cooking.
Claims use since May 2, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 605,080. United States Rubber Company, New York, N. Y. Filed Oct. 17, 1950.

USCOLOK

Applicant claims ownership of Registrations Nos. 364,860, 110,333, and 127,997.
For Hose of Rubber or Rubber and Fabric Having Integral Coupling Flanges.
Claims use since Sept. 25, 1950.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 558,100. Paul Billotti, New York, N. Y. Filed May 29, 1948. (Sec. 2f.)

Rel-A-Tone

The word "Tone" and the representation of the staff and notes are disclaimed.
For Mechanically Grooved Phonograph Records for the Teaching of Music.
Claims use since May 3, 1948.

Ser. No. 574,145. Hershman Musical Instrument Co., Inc., New York, N. Y. Filed Feb. 19, 1949.

TOPPER

For Musical Instruments and Accessories—Namely, Trumpets, Cornets, Trombones, Clarinets (Metal, Wood, and Ebonite), Alto Saxophones, Tenor Saxophones, Flutes, Piccolos, Baritone Horns, French Horns, BB♭ Sousaphones, Oboes, English Horns, Bassoons, Mandolins, Guitars, Ukuleles, Mouthpieces, Musical Instrument Cases, Musical Instrument Stands.
Claims use since 1946.

Ser. No. 594,760. Columbine Records and Publishing Company, Colorado Springs and Broadmoor, Colo. Filed Mar. 28, 1950.

Columbine

For Disc Type Grooved Phonograph Records.
Claims use since Feb. 3, 1950.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,070. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 18, 1948.



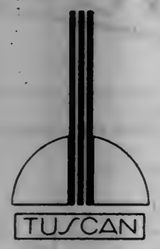
Lincoln Letters

The portrait shown is that of Abraham Lincoln, a deceased President of the United States whose widow is not living.

For Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages.

Claims use since 1896 as to "Lincoln"; and since July 6, 1943, as to the mark shown.

Ser. No. 526,144. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Oct. 20, 1948.



For Papeteries—i. e., Stationery Comprising Envelopes and/or Writing Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages.

Claims use since July 16, 1934.

Ser. No. 572,655. Gurney Security Paper Company, Inc., Brooklyn, N. Y. Filed Jan. 24, 1949.



The words "Security Paper" are disclaimed.

For Safety Paper Such as is Used for Checks, Drafts, and All Vouchers of Value.

Claims use since Jan. 1, 1917.

Ser. No. 574,793. Sonoco Products Company, Hartsville, S. C. Filed Mar. 2, 1949.

CAROFIBER

For Corrugating Board.

Claims use since Feb. 8, 1949.

Ser. No. 576,137. Radiant Color Company, Oakland, Calif. Filed Mar. 26, 1949.

VELVA-GLO

The word "Glo" is disclaimed.

For Non-Sensitized Paper Coated With Fluorescent Material Which Is Luminescent When Exposed to Sunlight or Other Light Containing Actinic Radiations for Use by Printers, Lithographers, Silk-Screeners, and Sign Painters.

Claims use since Feb. 16, 1949.

Ser. No. 589,794. Maurer & Halstead, Inc., Pomona, Calif. Filed Dec. 22, 1949.

TIDI

For Paper for Lining Shelves and Drawers, for Gift Wrapping; and Table Covers Made of Paper for Use in Covering a Physician's Examination Table.

Claims use since May 24, 1949.

Ser. No. 601,515. Scott Paper Company, Chester, Pa. Filed July 31, 1950. (Sec. 2f as to "Waldorf.")



Applicant claims ownership of Registrations Nos. 59,234, 292,857, and 298,473.

For Toilet Paper.

Claims use since May 5, 1950, as to the mark shown; and since 1894 as to "Waldorf."

Ser. No. 604,462. American Lead Pencil Company, Hoboken, N. J. Filed Oct. 5, 1950.

SUPERITE

For Lead Pencils.

Claims use since Aug. 30, 1950.

Ser. No. 604,598. Clarence E. Sandvig, doing business as The Cesco Company, Minneapolis, Minn. Filed Oct. 7, 1950.

TAXPROOVALOPE

For Partially Printed Forms and Envelopes for Income Tax Purposes.

Claims use since Sept. 26, 1950.

Ser. No. 604,756. Cecil E. Wolfe, Detroit, Mich. Filed Oct. 11, 1950.

CHART-A-PLAY

The term "Chart" is disclaimed.

For Partially Printed Foot-Ball Score Cards.

Claims use since Nov. 22, 1947.

Ser. No. 607,672. W. C. Hamilton & Sons, Miquon, Pa. Filed Dec. 14, 1950. (Sec. 2f.)

Montgomery

For Printing Paper, Mimeograph Paper, and Duplicator Paper.

Claims use since 1935.

Ser. No. 607,846. District of Columbia Paper Mills, Inc., Washington, D. C. Filed Dec. 19, 1950.

DISCO

Applicant claims ownership of Registrations Nos. 426,113 and 439,865.

For Wood Grain Cover Paper, Box Cover Paper, Blotting Paper, Velour Paper, Vellum Paper, and Printing Paper.

Claims use since Jan. 1, 1937.

Ser. No. 608,092. Telu Enterprises, Inc., New York, N. Y. Filed Dec. 26, 1950.

ROOTIE KAZOOTIE

For Lead Pencils.

Claims use since Dec. 13, 1950.

Ser. No. 608,136. Whiting-Plover Paper Company, Stevens Point, Wis. Filed Dec. 27, 1950.

TYPONIT

For Writing and Typing Paper.

Claims use since Nov. 8, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 586,898. World Editions, Inc., New York, N. Y. Filed Oct. 26, 1949.

ENCHANTMENT

For Periodical Publications.

Claims use since Oct. 17, 1949.

Ser. No. 594,967. Gunn Brothers, a corporation of Texas, Amarillo, Tex., assignee of Gunn Brothers, a firm. Filed Mar. 31, 1950.



All wording is disclaimed. Applicant claims ownership of Registration No. 390,592.

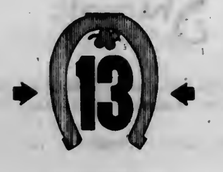
For Trading Stamps.

Claims use since July 1, 1949.

Ser. No. 599,904. Nathan Sherman, Philadelphia, Pa. Filed June 28, 1950. (Sec. 2f.)

THE LUCKY

THIRTEEN



The drawing is lined for color red.

For Weekly Publication.

Claims use since Apr. 5, 1934.

Ser. No. 607,046. Sculpto-Foto, Inc., Chicago, Ill. Filed Nov. 28, 1950.

Sculpto-foto

The Word "Foto" is disclaimed.

For Photographs Having Third Dimensional Qualities.

Claims use since 1934.

Ser. No. 607,123. Elizabeth A. Granger, Sea Cliff, N. Y. Filed Nov. 30, 1950.

Conversation piece

For Newspaper Column.

Claims use since Feb. 1, 1949.

CLASS 39

CLOTHING

Ser. No. 537,894. H. Jacobs & Sons, Inc., Hanover, Pa. Filed Oct. 15, 1947. (Sec. 2f as to "Tuffware.")

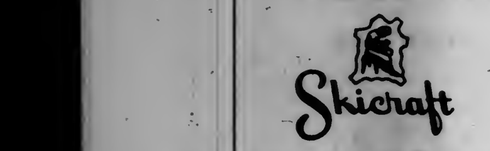


The slogan "Extra Wear in Every Pair" and the outline of a shoe sole alone are disclaimed apart from the mark shown. Applicant claims ownership of Registration No. 215,364.

For Men's, Women's, and Children's Shoes of Leather, Rubber, Synthetic Materials, and Combinations Thereof.

Claims use since Apr. 25, 1925.

Ser. No. 540,663. Julius Goldstein & Sons Co., Boston, Mass. Filed Nov. 10, 1947.



Applicant claims ownership of Registration No. 433,354.

For Men's and Women's Out Door Shoes—Namely, Ski-Shoes.

Claims use since Sept. 1, 1946.

Ser. No. 541,802. The Photometric Corporation, New York, N. Y., assignee of Richard Bennett Associates, Inc. Filed Nov. 20, 1947. (Sec. 2f.)

PHOTOMETRIC

Applicant claims ownership of Registration No. 414,369.

For Men's and Women's Suits, Coats, Jackets, Trousers, Vests, Outer Shirts; and Women's Foundation Garments.

Claims use since Feb. 20, 1947.

Ser. No. 547,287. Federated Department Stores, Inc., Cincinnati, Ohio, by mesne assignments from The John Shillito Company. Filed Jan. 16, 1948.



The words "Varsity Clothes—Exclusive With," "Shillito's" and "Cincinnati" are disclaimed. Applicant claims ownership of Registration No. 362,171.

For Men's Suits, Topcoats, Overcoats, Sport Coats, Slacks, Sweaters, Jackets, Outer Regular Shirts, and Other Sport Shirts.

Claims use since Nov. 1, 1938.

Ser. No. 547,289. Federated Department Stores, Inc., doing business as John Shillito Company Division, Cincinnati, Ohio, by mesne assignments from The John Shillito Company. Filed Jan. 16, 1948.



All the wording is disclaimed except "Southgate." Applicant claims ownership of Registration No. 351,425.

For Men's Suits, Topcoats, Overcoats, Sport Coats, and Shirts.

Claims use since Oct. 1, 1937.

Ser. No. 547,701. W. B. Coon Company, Rochester, N. Y. Filed Jan. 22, 1948.



The words "Shoes" and "Archfitter" are disclaimed. The words "Wilbur Coon" are the facsimile signature of Wilbur Coon, now deceased, the founder of applicant corporation. Applicant claims ownership of Registrations Nos. 229,156 and 161,356.

For Women's Boots, Shoes, and Oxfords Made of Leather, Fabric, and Rubber and Combinations Thereof.

Claims use since 1932.

Ser. No. 561,411. Mayer Silfen, doing business as Monroe Shirt Company, New York, N. Y. Filed Mar. 17, 1948. (Sec. 2f.)



The figure shown is a pictorial representation of James Monroe, deceased president of the United States. Applicant claims ownership of Registration No. 178,958.

For Dress, Negligee, and Work Shirts for Men.

Claims use since Dec. 15, 1917.

Ser. No. 564,691. Gerhard Kennedy, Winnipeg, Manitoba, Canada. Filed Aug. 23, 1948.

Gerhard Kennedy

Applicant claims ownership of Canadian Registration No. N. S. 21,308, dated Feb. 26, 1945.

For Men's and Women's Trousers, Overalls, Coats, Jackets, and Slacks; Ladies' Skirts, Dresses, Foundation Garments, Housecoats, Gloves (Leather and Fabric), Collars, Jabots, Dickies, Ski Slacks and Ski Coats.

Ser. No. 575,890. Cooper's, Incorporated, Kenosha, Wis. Filed Mar. 23, 1949.

Coopers

Sierras

The script here employed to illustrate the trade-mark "Coopers" is a facsimile of the signature of Henry S. Cooper, founder of applicant's business, now deceased. Applicant claims ownership of Registrations Nos. 125,795, 402,718, 128,585, 134,924, and 241,759.

For Socks, Including Socks With Leather Soles.

Claims use since Mar. 8, 1949.

Ser. No. 578,903. William Spencer & Son (Waterfoot) Limited, Waterfoot, Rossendale, England. Filed May 14, 1949.

"COSYLUX"

Applicant claims ownership of British Registration No. 672,813, dated Sept. 18, 1948.

For Boots, Shoes, Slippers, Sandals, and Soles for All These Goods, Leggings, Garters; and Gloves Made of Textile Fabric, Leather, and Plastic Impregnated Textile Fabrics for Wear for the Use of Men, Women, and Children.

Ser. No. 581,431. The Louis Marcus Corp., Baltimore, Md. Filed July 1, 1949.

marvel-liner

The word "Liner" is disclaimed.

For Misses', Women's, and Juniors' Cloth Coats and Suits.

Claims use since June 20, 1949.

Ser. No. 582,482. C. H. Hyer & Sons, Olathe, Kans. Filed July 25, 1949.

ROPERS HEEL

The word "Heel" is disclaimed.

For Men's, Women's, and Children's Riding Boots and Shoes Made Principally of Leather but Having Parts Formed of Fabric and Rubber.

Claims use since December 1947.

Ser. No. 586,063. Rose Marie Reid, Los Angeles, Calif. Filed Oct. 10, 1949.

Rose Marie Reid

The trade-mark consists of the name of a particular living individual whose consent is a part of the record file.

For Swim Suits, Shorts, Skirts, and Beach Robes.

Claims use since March 1937.

Ser. No. 586,676. Avon Sole Company, Avon, Mass. Filed Oct. 22, 1949.

DUFLITE

For Shoe Soles.

Claims use since Sept. 16, 1949.

Ser. No. 588,012. Henry Donath, doing business under the fictitious name of Preview Sportswear, Los Angeles, Calif. Filed Nov. 18, 1949.

PREVIEW

For Women's Apparel—Namely, Skirts and Dresses.

Claims use since July 26, 1938.

Ser. No. 589,666. Gus Mayer Co., Limited, New Orleans, La. Filed Dec. 20, 1949.

Maya

For Women's Cloth Coats, Fur Coats, or Coats of Combinations of Cloth and Fur.

Claims use since 1929.

Ser. No. 590,795. Barcley Corset Company, Newark, N. J. Filed Jan. 13, 1950.

MAGIC SEAM

The word "Seam" is disclaimed.

For Corsets, Girdles, Brassières, and Combination Foundation Garments.

Claims use since Nov. 2, 1949.

Ser. No. 594,710. Frank Brothers Footwear, Inc., New York, N. Y. Filed Mar. 27, 1950.

tailored Sophisticrats

The word "Tailored" is disclaimed. Applicant claims ownership of Registration No. 341,141.

For Shoes and Slippers of Leather or Cloth and Combinations of Leather and Cloth for Men, Women, and Children.

Claims use since Feb. 15, 1950.

Ser. No. 595,575. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y. Filed Apr. 11, 1950. (Sec. 2f.)

TALLER Miss

The word "Miss" is disclaimed. Applicant claims ownership of Registration No. 423,169.

For Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, Culottes, and Bicycle Pants.

Claims use since Oct. 1, 1944.

Ser. No. 595,577. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y. Filed Apr. 11, 1950. (Sec. 2f.)

TALLER Teen

The word "Teen" is disclaimed. Applicant claims ownership of Registration No. 423,171.

For Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, and Playclothes—Namely, Women's Slacks, Bathing Suits, Culottes, and Bicycle Pants.

Claims use since Oct. 1, 1944.

Ser. No. 595,578. Albert B. Weinberg, New York, N. Y.; Maxine Weinberg and Bernard Furgatch, executors of said Albert B. Weinberg, deceased, assignors to Henry L. Weisburg, New York, N. Y. Filed Apr. 11, 1950. (Sec. 2f.)

TALLER Women

The word "Women" is disclaimed. Applicant claims ownership of Registration No. 423,182.

For Women's, Misses', Girls' Dresses, Coats, Underwear, Suits, and Play Clothes—Namely, Women's Slacks, Bathing Suits, Culottes, and Bicycle Pants.

Claims use since Oct. 1, 1944.

Ser. No. 596,051. M. J. Saks Shoe Corp., New York, N. Y. Filed Apr. 20, 1950. (Sec. 2f.)

MODERN MODE

Applicant claims ownership of Registration No. 398,356.

For Leather, Cloth Top, Satin Top, Metallic Cloth Top, and Plastic Top Boots, Shoes, Pumps, Slippers, and Sandals for Women and Girls.

Claims use since June 29, 1927.

Ser. No. 597,825. Sol Friedman & Sons, New York, N. Y. Filed May 20, 1950. (Sec. 2f.)

hush-hush

For Slips and Slips Provided With Breast Pads.

Claims use since Mar. 14, 1950.

Ser. No. 598,273. R & K Dress Corporation, New York, N. Y. Filed May 27, 1950.

R&K Originals

No claim is made to the word "Originals." Applicant claims ownership of Registration No. 403,153.

For Junior Misses' and Ladies' Dresses, Coats, Suits, Skirts, Blouses, and Jackets.

Claims use since July 1932.

Ser. No. 598,276. M. Serman & Co., New York, N. Y. Filed May 27, 1950.

Laura Mae LIFE

For Ladies' Outer Blouses.

Claims use since Oct. 20, 1948.

Ser. No. 598,311. Marino & Son Shoe Corp., New York, N. Y. Filed May 29, 1950.

John Marino

"John Marino" is a living person who is the president of the corporate applicant.

For Ladies' Shoes.

Claims use since Jan. 2, 1936.

Ser. No. 600,172. Knit Products Sales Company, Belmont, N. C. Filed July 3, 1950.

WINGED BEAUTIES

Applicant claims ownership of Registration No. 291,067.

For Ladies' Hosiery.

Claims use since June 23, 1950.

Ser. No. 601,020. Cannon Shoe Company, Baltimore, Md. Filed July 21, 1950.

QUADRANGLE

Applicant claims ownership of Registrations Nos. 429,690 and 438,288.

For Men's and Boys' Shoes, Made of Leather, Rubber, Fabric, and/or Any Combinations Thereof.

Claims use since Apr. 3, 1950.

Ser. No. 601,132. Associated Lerner Shops of America, Inc., New York, N. Y. Filed July 24, 1950.

Janice Brent

"Janice Brent" is fanciful. Applicant claims ownership of Registrations Nos. 391,738 and 512,156.

For Ladies', Misses', and Girls' Underwear and Sweaters.

Claims use since August 1947.

Ser. No. 601,545. Haspel Brothers, Inc., New Orleans, La. Filed Aug. 1, 1950.

Sir Burban

The mark is purely fanciful.

For Men's and Boys' Suits, Coats, Pants, Trousers, and Vests.

Claims use since Apr. 3, 1950.

Ser. No. 602,142. Carol Crawford, Inc., New York, N. Y. Filed Aug. 14, 1950.

Carol Crawford

The name "Carol Crawford" is fanciful. Applicant claims ownership of Registration No. 392,294.

For Misses' Dresses and Play Suits.

Claims use since Oct. 11, 1940.

Ser. No. 603,035. Allied Stores Corporation, New York, N. Y. Filed Sept. 1, 1950.

TOGGERS

For Women's and Men's Shoes Made of Leather, Rubber, Fabric, or a Combination of These Materials.

Claims use since June 7, 1950.

Ser. No. 603,954. C. & J. Clark Limited, Street, England. Filed Sept. 25, 1950.

Chupplee

For Sandals for Use by Men, Women, and Children.

Claims use since September 1948; and since May 1950, in commerce between the United States and Great Britain.

Ser. No. 605,957. Joyce, Inc., Pasadena, Calif. Filed Nov. 6, 1950.

KATTYCORNER

For Women's Shoes.

Claims use since Oct. 12, 1950.

Ser. No. 607,221. Charles Hirsch & Co. Inc., New York, N. Y. Filed Dec. 2, 1950.

JUMPARON

For Women's Combination Garments Consisting of Jumpers and Aprons.

Claims use since Nov. 22, 1950.

Ser. No. 607,303. Wharton Brassiere Co., Inc., Wharton, N. J. Filed Dec. 5, 1950.

TOP FORM

For Brassières.

Claims use since Oct. 31, 1950.

Ser. No. 607,408. Acclaim Hosiery Mills, Inc., High Point, N. C. Filed Dec. 8, 1950.

Acclaim

For Ladies' Hosiery.

Claims use since Nov. 30, 1950.

Ser. No. 607,452. Rand Rubber Company, Inc., Brooklyn, N. Y. Filed Dec. 8, 1950.

Breeth-ees

For Baby Pants.

Claims use since Mar. 31, 1950.

Ser. No. 607,685. The Roxborough Company, Philadelphia, Pa. Filed Dec. 14, 1950.

Nylo-sealed

For Women's Hosiery.

Claims use since Dec. 1, 1950.

Ser. No. 608,594. Einhorn Brothers, Inc., Philadelphia, Pa. Filed Jan. 10, 1951.

Baby Fleurette

For Frocks for Children and Girls.

Claims use since Nov. 11, 1936.

Ser. No. 608,595. Einhorn Brothers, Inc., Philadelphia, Pa. Filed Jan. 10, 1951.

Fleurette

For Frocks for Children and Girls.

Claims use since Sept. 15, 1925.

Ser. No. 609,113. Van Raalte Company, Inc., New York, N. Y. Filed Jan. 22, 1951.

ROLL-AWAY

For Girdles.

Claims use since Jan. 8, 1951.

Ser. No. 609,258. Samuel W. Peck, Inc., New York, N. Y. Filed Jan. 25, 1951.

Sampeck

Applicant claims ownership of Registration No. 97,169.
For Men's, Ladies', and Children's Clothing—Namely, Coats, Suits, Overcoats, Topcoats, Raincoats, Trousers, Vests, and Slacks.
Claims use since Nov. 12, 1900.

Ser. No. 609,377. Samuel W. Peck, Inc., New York, N. Y. Filed Jan. 29, 1951.



Applicant claims ownership of Registration No. 97,169.
For Men's, Ladies', and Children's Clothing—Namely, Coats, Suits, Overcoats, Topcoats, Raincoats, Trousers, Vests, and Slacks.
Claims use since Nov. 17, 1934, in its present form; and since Nov. 12, 1900, as to "Sampeck."

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 578,412. Progressive Ribbon Co., New York, N. Y. Filed May 7, 1949.



The words "French Type Cotton & Rayon Belting," "A" and "Original" are disclaimed.
For Textile Belting Sold by the Spool, Bolt, and Yard.
Claims use since March 1948.

Ser. No. 581,689. Snedeker & Co., Inc., New York, N. Y. Filed July 8, 1949.

SNEDCO

For Elastic Braids, Tapes, or Bands and Elastic Cotton and Ribbons, All in the Nature of Findings.
Claims use since Apr. 19, 1949.

Ser. No. 606,422. Essex Metal Products Co., West New York, N. J. Filed Nov. 15, 1950.

CLICKTONE

For Belt Buckles.
Claims use since Oct. 10, 1950.

Ser. No. 606,468. H. Goodman & Sons, Inc., Jersey City, N. J., and New York, N. Y. Filed Nov. 16, 1950.

CURL LOCK

The word "Curl" is disclaimed.
For Synthetic Floss-Like Fibers for Temporary Application to the Hair Ends During Permanent Waving.
Claims use since Nov. 1, 1950.

Ser. No. 607,360. Standard Ribbon Co., New York, N. Y. Filed Dec. 6, 1950.



For Seam Binding.
Claims use since November 1949.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 561,872. Joseph Bancroft & Sons Co., Wilmington, Del. Filed July 22, 1948. (Sec. 2f.)

STAZENU

Applicant claims ownership of Registrations Nos. 346,655 and 354,630.
For Piece Goods of Cotton and of Rayon.
Claims use since May 10, 1948.

Ser. No. 562,782. John King & Son Limited, Glasgow, Scotland. Filed Aug. 4, 1948. (Sec. 2f.)

KING'S

For Window Hollands.
Claims use since 1875; and since 1875 in commerce between foreign nations and the United States.

Ser. No. 575,370. The Old Bleach Linen Company, Limited, Randalstown, Ireland. Filed Mar. 12, 1949.

"OLD BLEACH"

Applicant claims ownership of Registration No. 72,621.
For Linen Piece Goods, Rayon Piece Goods, Cotton Piece Goods, Linen Damask Piece Goods, Linen Damask Cloths, Linen Damask Napkins, Cotton and Rayon Damask Cloths and Napkins, Linen Huck Towels, Fancy Weave Towels, and Hemstitched Linen Sheets and Pillow Cases.
Claims use since Sept. 20, 1876; and since Sept. 20, 1876, in commerce among the several States and commerce between foreign nations and the United States.

Ser. No. 585,452. The Lamport Co., Inc., New York, N. Y. Filed Sept. 28, 1949.



For Piece Goods Made of Cotton and Rayon Fabric Cut to a Length and Width Readily Adaptable for Economy in Home Sewing.
Claims use since Nov. 5, 1948.

Ser. No. 586,100. Merrimack Manufacturing Company, Lowell, Mass. Filed Oct. 11, 1949.

MERRIWEATHER

For Piece Goods (Including Corduroy and Velveteen) of Cotton, Rayon, Wool, and Combinations Thereof.
Claims use since June 28, 1949.

Ser. No. 597,990. The Vadium Corporation, Wilmington, Del. Filed May 23, 1950.

Milium

For Textile Fabrics of Cotton, Rayon, Nylon, and Mixtures Thereof Having Heat Reflective and/or Heat Retentive Properties.
Claims use since Apr. 20, 1950.

Ser. No. 609,294. G & G Novelties, Inc., New York, N. Y. Filed Jan. 26, 1951.

gigi

For Window Curtains, Pillow Shams, Bedspreads, and Dressing Table Skirts.
Claims use since November 1950.

Ser. No. 609,905. Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Filed Feb. 10, 1951.

Cascade

For Cotton Textile Products—Namely, Rugs and Carpeting.
Claims use since Jan. 9, 1951.

Ser. No. 610,241. Tanbro Fabrics Corp., New York, N. Y. Filed Feb. 17, 1951.

Snake Eyes

For Textile Fabrics in the Piece Composed of Rayon, Cotton, Linen, Wool, Nylon, and Combinations Thereof.
Claims use since Sept. 11, 1950.

Ser. No. 610,399. Joseph M. Adamo, doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif. Filed Feb. 23, 1951.



For Woven Carpets.
Claims use since August 1935.

Ser. No. 610,552. D. B. Fuller & Co., Inc., New York, N. Y. Filed Feb. 27, 1951.

TV

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Combinations Thereof.
Claims use since Mar. 20, 1925.

Ser. No. 610,553. D. B. Fuller & Co., Inc., New York, N. Y. Filed Feb. 27, 1951.

TEE-VEE

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Combinations Thereof.
Claims use since Mar. 20, 1925.

CLASS 43

THREAD AND YARN

Ser. No. 608,183. United Hosiery Mills Corporation, Chattanooga, Tenn. Filed Dec. 28, 1950.

BEBON

For Cotton Yarn.
Claims use since Dec. 12, 1950, in its present form; and since Dec. 12, 1950, as to "BeBon" and design, the two "B's" being in upper case and the remainder of the word in lower case.

Ser. No. 608,402. Aberfoyle Manufacturing Company, Chester, Pa. Filed Jan. 5, 1951.

NyFoyle

For Yarns Spun of Nylon Fibers, Cotton Fibers, and Mixtures Thereof.
Claims use since Dec. 15, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 578,713. John Sexton & Co., Chicago, Ill. Filed May 12, 1949. (Sec. 2f.)

Sexton

For Toothpicks.
Claims use since March 1944.

Ser. No. 582,391. Cutter Laboratories, Berkeley, Calif. Filed June 13, 1949.

SAFTIVAC

Applicant claims ownership of Registration No. 440,578.
For Glass Bottles for Shipping and Dispensing Parenteral Solutions.
Claims use since May 1941.

Ser. No. 585,517. Harold J. Dorrance, doing business as Vita-Foot Massager Co., Centerville, Mass. Filed Sept. 29, 1949.

Vita-Foot

The word "Foot" is disclaimed.
For Machine for Massaging Feet—Namely, a Frame With a Support for a Foot and Mechanism by Which a Soft Ball Can Be Rolled Along the Bottom of the Foot Thus Supported.
Claims use since June 26, 1948.

Ser. No. 594,352. Baxter Laboratories, Inc., Morton Grove, Ill. Filed Mar. 22, 1950.

TRAVENOSE

For Nasal Catheters, Stomach Tubes, Rectal Tubes, Rubber Tubing for Surgical Use, Tubes Equipped With Needles and Needle Adapters for the Administration of Parenteral Fluids, Air Filters for Filtering Air Entering Dispensing Containers of Parenteral Solutions, Needle Adapters, Drip Housings, Consisting of Transparent Tubes Having Therein Small Drip Tubes From Which Solution Flows in Drop Form, and Dispensing Containers of Parenteral Fluids for Hospital Use.
Claims use since Mar. 9, 1950.

Ser. No. 594,700. Electronic Medical Foundation, San Francisco, Calif. Filed Mar. 27, 1950.

ELECTROPAD

For Electrical Heating Pads for Medical Use.
Claims use since Sept. 1, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 600,638. A. Wolf's Sons, Inc., Boston, Mass. Filed July 13, 1950.

DR. MAC'S

For Root Beer and Syrups for Making the Same.
Claims use since June 8, 1950.

Ser. No. 601,210. Great Bear Spring Company, New York, N. Y. Filed July 25, 1950.



Applicant claims ownership of Registrations Nos. 112,627, 136,315, and others.
For Table Water.
Claims use since Oct. 30, 1926, in the form shown; and since 1886 to the representation of the "Bear."

Ser. No. 601,212. Great Bear Spring Company, New York, N. Y. Filed July 25, 1950.



No claim is made to the words "Spring Company." Applicant claims ownership of Registrations Nos. 112,627, 136,315, and others.
For Table Water.
Claims use since 1915 as shown; and since 1886 as to "Bear."

Ser. No. 607,783. The Welch Grape Juice Company, Westfield, N. Y. Filed Dec. 16, 1950.

Rosemary

Applicant claims ownership of Registration No. 223,456.
For Grape Juice.
Claims use since Aug. 20, 1926.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 502,190. Central Soya Company, Inc., Fort Wayne, Ind. Original filed, act of 1905, May 16, 1946; amended to application under act of 1946, Principal Register, July 5, 1951.

CENTRAL

Applicant claims ownership of Registration No. 365,617.
For Soy Flour for Human Consumption, Isolated Protein Powder, and Soy Albumin Powder (for Use as Whipping Powder), All for Human Consumption.
Claims use since May 2, 1946.

Ser. No. 520,946. Rialto Heights Orange Growers, Rialto, Calif., assignee of Hal B. Harlow, doing business as Rialto Heights Orange Growers and also doing business as Rialto Heights Association. Original filed, act of 1905, Apr. 18, 1947; amended to application under act of 1946, Principal Register, Nov. 28, 1950.

VIKING

For Fresh Citrus Fruits.
Claims use since Nov. 16, 1911.

Ser. No. 539,183. Lemon Cove Association, Lemon Cove, Calif. Filed Oct. 27, 1947.

GATEWAY

For Fresh Citrus Fruits.
Claims use since 1914.

Ser. No. 545,429. Bliss Syrup & Preserving Co., Kansas City, Mo. Filed Dec. 26, 1947. (Sec. 2f.)

BLISS

For Apple Butter, Apple Jelly, Apricot Preserves, and Table Syrup.
Claims use since January 1930.

Ser. No. 554,338. Waddle's Drive-In Coffee Shop, Portland, Oreg. Filed Apr. 10, 1948.



The surname "Waddle's" is disclaimed.
For Prepared Food Products—Namely, Pies, Candy, Berry Preserves, Jelly, Ice Cream.
Claims use since Feb. 10, 1948.

Ser. No. 553,192. Clement Pappas & Co., Cedarville, N. J. Filed Apr. 21, 1948.

3-C

For Cranberry Sauce.
Claims use since Mar. 26, 1948.

Ser. No. 560,669. Walters' "Palm" Toffee Limited, London, England. Filed July 2, 1948.

Walters' "Palm" Peerless

The words "Walters'" and "Peerless" are disclaimed.
For Toffees.
Claims use since June 1, 1938, in Great Britain; and since Dec. 6, 1947, in commerce between the United Kingdom of Great Britain and Northern Ireland and the United States.

Ser. No. 561,737. Eddy Bakeries, Inc., Helena, Mont. Filed July 20, 1948.

Eddy's WHEAT 'N RYE DARK WHEAT BREAD

The words "Wheat" and "Dark Wheat Bread" are disclaimed. Applicant claims ownership of Registrations Nos. 327,482 and 318,102.
For Bread.
Claims use since Nov. 1, 1934.

Ser. No. 565,104. Banana Corporation, Richmond, Va. Filed Sept. 14, 1948.

KING BANANA

The word "Banana" is disclaimed.
For Fresh Bananas.
Claims use since Aug. 18, 1948.

Ser. No. 572,745. S. Kahn's Sons, Inc., Evansville, Ind. Filed Jan. 25, 1949.

DIAMOND ISLAND

Applicant claims ownership of Registration No. 235,637.
For Canned Foods—Namely, Vegetables, Vegetable Juices, Fruits, Citrus Fruit Juices, Pineapple Juice, Fish, Sauerkraut, Hominy, Pork and Beans, Apple Sauce, Cranberry Sauce; Table Syrup, Cocoa, Catsup, Chili Sauce, Pickles, Olives, Spices, Salad Dressing, French Dressing,

Prepared Mustard, Vinegar, Salt, Peanut Butter, Honey, Mince Meat, Fruit Preserves and Jellies; Alimentary Paste Products—Namely, Macaroni, Noodles and Spaghetti; Rice, Dried Fruits, Dried Beans, Coffee, and Food Flavoring Extracts, Sandwich Spread.
Claims use since Jan. 1, 1890.

Ser. No. 582,336. The American Jersey Cattle Club, Columbus, Ohio. Filed July 22, 1949.



The words "Jersey" and "Products" are disclaimed.
For Liquid Milk.
Claims use since Aug. 28, 1927.

Ser. No. 582,896. The Creamette Company, Minneapolis, Minn. Filed Aug. 3, 1949.

TIKE-ETTES

For Macaroni Food for Infants and Children, Comprising Only Macaroni Prepared in a Form for Quick and Complete Cooking.
Claims use since July 26, 1949.

Ser. No. 589,378. Cobbs Fruit & Preserving Company, Little River, Fla. Filed Dec. 15, 1949. (Sec. 2f.)

Cobbs

For Fresh Fruits, Fruit Juices, and Fruit Cake, and Fruit Preserves.
Claims use since July 15, 1935.

Ser. No. 590,380. Maple Island, Inc., Stillwater, Minn., by change of name from Maple Island Farm, Inc. Filed Jan. 5, 1950.

MIF

For Canned Infant Food Composed Principally of Whole Cow's Milk, Skim Milk, and Corn Syrup Solids.
Claims use since July 26, 1949.

Ser. No. 590,788. Marx Brothers, Birmingham, Ala. Filed Jan. 13, 1950.

"TUBBY JR."

For Shelled and Unshelled Pecans and Sweetened Desiccated Coconut.
Claims use since Oct. 24, 1943.

Ser. No. 591,172. Joseph G. Klement, doing business as Klement Farms, Bonduel, Wis. Filed Jan. 20, 1950.

BLUE RIBBON BRAND

The word "Brand" is disclaimed.
For Fresh Potatoes.
Claims use since August 1945.

Ser. No. 593,788. Dorgan Packing Corp., Biloxi, Miss. Filed Mar. 11, 1950.

ALLIGATOR

For Canned Shrimp and Canned Oysters.
Claims use sinre 1883.

Ser. No. 594,398. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Mar. 22, 1950. (Sec. 2f.)

Pillsbury's BEST

Applicant claims ownership of Registrations Nos. 45,180, 126,336, and 382,933.
For Wheat Flour.
Claims use since Jan. 1, 1873.

Ser. No. 594,399. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Mar. 22, 1950. (Sec. 2f.)

Pillsbury's XXXX

Applicant claims ownership of Registrations Nos. 104,646, 126,336, and 382,933.
For Wheat Flour.
Claims use since Jan. 1, 1873.

Ser. No. 594,400. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Mar. 22, 1950. (Sec. 2f.)

Pillsbury's BEST XXXX

Applicant claims ownership of Registrations Nos. 126,336 and 382,933.
For Wheat Flour.
Claims use since Jan. 1, 1873.

Ser. No. 595,289. Geo. F. Stuhmer & Company, Brooklyn, N. Y. Filed Apr. 5, 1950. (Sec. 2f as to "Stuhmer's.")



Applicant claims ownership of Registrations Nos. 302,530, 302,532, and others.
For Bakery Products—Namely, Bread.
Claims use since Aug. 5, 1949, as to the mark shown; and since 1884 as to "Stuhmer's."

Ser. No. 596,375. Parkview Markets, Inc., Cincinnati, Ohio. Filed Apr. 5, 1950.

Parkview

For Canned Vegetables—Namely, Carrots.
Claims use since 1930.

Ser. No. 596,930. Manuel Muniz, doing business as Pelayo Sausage Co., Tampa, Fla. Filed May 5, 1950.

PELAYO

For Canned Sausage.
Claims use since January 1947.

Ser. No. 598,636. Charms Company, Asbury Park, N. J. Filed June 6, 1950.

CHARMS

Applicant claims ownership of Registration No. 130,669.
For Candy.
Claims use since October 1917.

Ser. No. 601,594. Blaney Bakeries Inc., New York, N. Y. Filed Aug. 2, 1950.

Cheesewich

For Cheese-Filled Waffle Wafer Sandwiches.
Claims use since Jan. 16, 1950.

Ser. No. 602,018. Barricini, Inc., New York and Long Island City, N. Y. Filed Aug. 10, 1950.



For Candy, Candied and Chocolate Covered Nuts; Candied Fruits, Candied Dates, Candied Figs; Salted and Unsalted Nuts; Cookies and Biscuits.
Claims use since Aug. 2, 1948.

Ser. No. 604,378. Montana Flour Mills Company, Great Falls, Mont. Filed Oct. 3, 1950.

CERETANA

Applicant claims ownership of Registrations Nos. 26,186, 78,771, and 75,499.
For Poultry and Stock Feed, Dog Food, and Fox and Mink Food, Comprised Principally of Molasses, Wheat Bran, Wheat Middlings, Lowgrade Flour, Ground, Yellow Corn, Pulverized Oats, Pulverized Barley, Alfalfa Leaf Meal, Soybean Meal, and Linseed Meal.
Claims use since Feb. 28, 1911.

Ser. No. 605,401. Berenee Co., Brooklyn, N. Y. Filed Oct. 25, 1950.



For Food Sauce Composed of Fruit Preserves, Horse-Radish, Selected Spices, Wine and Salt, To Be Used on Meats and Salads.
Claims use since July 14, 1950.

Ser. No. 606,876. Mason, Ehrman & Co., Portland, Oreg. Filed Nov. 24, 1950.

MECO

For Canned Fruit, Canned Vegetables, Canned Salmon; Canned Seafood—Namely, Clams and Oysters; Pickles, Olives, and Canned Tomato Sauce.
Claims use since 1910.

Ser. No. 607,189. E. F. Pinkham & Son, Exeter, Calif. Filed Dec. 1, 1950.

La Vina

For Fresh Grapes.
Claims use since 1921.

Ser. No. 607,251. The House of Bauer, doing business as "Bauer's," Lincoln, Nebr. Filed Dec. 4, 1950.

The COUNTRY GENTLEMAN

For Candy.
Claims use since Sept. 5, 1949.

Ser. No. 607,255. Koepplinger's Bakery, Detroit, Mich. Filed Dec. 4, 1950. (Sec. 2f.)

KOEPPLINGER'S

For Bread.
Claims use since Oct. 1, 1938.

Ser. No. 607,341. Osceola Foods, Inc., Osceola, Ark. Filed Dec. 6, 1950.

Delta Club

For Oleomargarine.
Claims use since Aug. 10, 1950.

Ser. No. 607,342. Osceola Foods, Inc., Osceola, Ark. Filed Dec. 6, 1950.

LITTLE ANDY

For Oleomargarine.
Claims use since July 19, 1949.

Ser. No. 607,343. Osceola Foods, Inc., Osceola, Ark. Filed Dec. 6, 1950.

MISS DEL

For Oleomargarine.
Claims use since July 13, 1949.

Ser. No. 607,344. Osceola Foods, Inc., Osceola, Ark. Filed Dec. 6, 1950.

MISS VAL

For Oleomargarine.
Claims use since Aug. 10, 1950.

Ser. No. 608,525. West Coast Packing Corporation, Long Beach, Calif. Filed Jan. 8, 1951.

PORT LIGHT

For Canned Tuna.
Claims use since Jan. 20, 1950.

CLASS 47

WINES

Ser. No. 595,393. Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Filed Apr. 7, 1950.

Padre

Applicant claims ownership of Registrations Nos. 181,673, 224, 32, and others.
For Wines.
Claims use since Mar. 3, 1950.

Ser. No. 606,346. Vintage Wines, Inc., New York, N. Y. Filed Nov. 13, 1950.

MELACH

For Cherry Wine.
Claims use since Feb. 17, 1949.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 603,150. Esslinger's, Inc., Philadelphia, Pa. Filed Sept. 5, 1950.

Goblet

Applicant claims ownership of Registrations Nos. 314,835, 337,643, and 502,022.
For Beer.
Claims use since Aug. 30, 1950.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 588,156. George Ballantine & Son Limited, Dumbarton, Scotland. Filed Nov. 22, 1949. (Sec. 2f.)

Ballantine's

No claim is made to the representation of a label per se nor to any spoken symbol with the exception of the monogram and the name "Ballantine's." Applicant claims ownership of Registrations Nos. 341,330 and 508,704.
For Scotch Whisky.
Claims use since Jan. 1, 1939; and first used in commerce between foreign nations and the United States on Jan. 1, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 587,784. Anchor Hocking Glass Corporation, Lancaster, Ohio. Filed Nov. 15, 1949.

PACKET

Applicant claims ownership of Registration No. 360,198.
For Closure Caps.
Claims use since Oct. 5, 1949.

Ser. No. 593,521. Annin & Co., New York, N. Y. Filed Mar. 7, 1950.

COLONIAL ARTGLO

Applicant claims ownership of Registrations Nos. 124,073 and 218,142.
For Manufactured Flags.
Claims use since January 1950.

Ser. No. 597,711. Carole Stupell Ltd., New York, N. Y. Filed May 18, 1950.

Carolated

For Table Settings Composed of Combinations of Two or More of the Following Items: Chinaware, Glassware, Flatware, and Linens, the Settings Being With or Without a Centerpiece.
Claims use since Oct. 30, 1949.

Ser. No. 599,548. Automatic Devices, Inc., St. Louis, Mo. Filed June 22, 1950.

"ADJUSTOMATIC"

For Metal Scaffolding of Tubular Type, Including Accessories and Adjunctive Scaffolding Elements and Parts.
Claims use since June 1, 1948.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 577,997. The Wella Corporation, New York, N. Y. Filed Apr. 29, 1949.

Life-Tex

For Preparation Containing Keratin for Use After Shampooing, Prior to Permanent Waving, Finger Waves, and After the Use of Tints and Dyes, Which Forms a Flexible Coating Over the Hairs, and Lessens the Danger From the Various Treatments to Weak or Damaged Hair.
Claims use since Dec. 31, 1948.

Ser. No. 597,499. Bymart, Inc., Dover, Del., and New York, N. Y. Filed May 16, 1950.

Canary Diamond

The word "Canary" is disclaimed.
For Home Hair Coloring.
Claims use since May 1, 1950.

Ser. No. 597,500. Bymart, Inc., Dover, Del., and New York, N. Y. Filed May 16, 1950.

Gleaming Bronze

The word "Bronze" is disclaimed.
For Home Hair Coloring.
Claims use since May 1, 1950.

Ser. No. 600,837. Peggy Leonard, Ltd., Hollywood, Calif. Filed July 18, 1950.

peggy leonard

The name "Peggy Leonard" is fanciful.
For Cream Foundation, Cleansing Cream, Skin Lotion, Personal Deodorant, Rouge, Face Powder, Lipstick, and Perfume.
Claims use since May 1, 1950.

Ser. No. 602,439. Consolidated Cosmetics, Chicago, Ill. Filed Aug. 19, 1950. (Sec. 2f.)

Dr. Heath's

Applicant claims ownership of Registration No. 328,695.
For Antiseptic and Deodorizing Denture Adhesive.
Claims use since Mar. 22, 1934.

Ser. No. 602,853. Parfums Ciro, Inc., New York, N. Y. Filed Aug. 28, 1950.

Acclaim

For Perfume.
Claims use since June 30, 1950.

Ser. No. 605,752. The Charles Marchand Company, New York, N. Y. Filed Nov. 1, 1950. (Sec. 2f.)

MARCHAND'S

Applicant claims ownership of Registrations Nos. 144,604 and 343,853.
For Hair Rinse and Tints.
Claims use since June 1940.

Ser. No. 607,025. Richard Hudnut, New York, N. Y. Filed Nov. 28, 1950.

MAKING EYES

The word "Eyes" is disclaimed.
For Mascara.
Claims use since Oct. 19, 1950.

Ser. No. 607,026. Richard Hudnut, New York, N. Y. Filed Nov. 28, 1950.

MARY RICHARDSON

The name "Mary Richardson" is fictitious.
For Hair Rinse.
Claims use since Oct. 19, 1950.

Ser. No. 598,121. The Nestle-Le Mur Company, New York, N. Y. Filed Dec. 27, 1950.

EGYPTIAN HENNA

The words "Egyptian Henna" are disclaimed.
For Hair Tinting Powder.
Claims use since Dec. 31, 1926.

Ser. No. 603,911. Associated Products, Inc., Chicago, Ill. Filed Jan. 18, 1951.

KAYWOODIE

For Shaving Creme.
Claims use since Nov. 17, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 554,560. The Hewitt Soap Company, Inc., Dayton, Ohio. Filed Mar. 9, 1948. (Sec. 2f.)

FASHION

For Toilet Soap.
Claims use since Oct. 12, 1938.

Ser. No. 589,010. The Davis-Young Soap Company, Dayton, Ohio. Filed Dec. 8, 1949.

"DYSEPT"

For Antiseptic Liquid Soaps.
Claims use since Nov. 15, 1949.

Ser. No. 590,808. Oliver S. Cumback, doing business as Stewart Company, Hinsdale, Ill. Filed Jan. 13, 1950.

BUR NU

For Preparation in Liquid Form for Cleaning Burrs, Drills, Mounted Stones, and Diamond Points Used by Dentists.
Claims use since Nov. 12, 1948.

Ser. No. 591,137. Alrose Chemical Company, Cranston and Providence, R. I. Filed Jan. 20, 1950.

ALROLENE

Applicant claims ownership of Registrations Nos. 347,285, 378,512, 378,513, 378,514, and 514,485.
For Detergent for Employment With Liquid Organic Solvents, Particularly for Use in Dry Cleaning.
Claims use since Oct. 24, 1949.

Ser. No. 596,298. Rust Master Chemical Company, Cambridge, Mass. Filed Apr. 25, 1950.

Carb Master

Applicant claims ownership of Registrations Nos. 374,898, 379,341, and 401,513.
For Carburetor and Fuel Line Conditioner Used To Clean Carburetors, To Dissolve Gum and Varnish in Carburetors and Fuel Lines, To Eliminate Water in the Fuel System, and as a Gas Tank Antifreeze.
Claims use since Apr. 3, 1950.

Ser. No. 597,192. Bonewitz Chemicals, Inc., Burlington, Iowa. Filed May 10, 1950.

O-MI

For Laundry Liquid Rinse in the Nature of an Acid Compound That Removes Calcium Soap Deposits From the Clothes and Laundry Compound in the Nature of a Washing Powder.
Claims use since June 1, 1939.

Ser. No. 600,757. Auto Chlor System, Inc., Memphis, Tenn. Filed July 17, 1950.

Bi-Kleen

The word "Kleen" is disclaimed.
For Detergent for General Household Use.
Claims use since June 26, 1950.

Ser. No. 606,118. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

The name "Hopalong Cassidy" is wholly fictitious and not the name of any known individual.
For Soap.
Claims use since Jan. 15, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 598,612. Sierra Club, San Francisco, Calif. Filed June 5, 1950.



The word "Club" is disclaimed.
For Exploring and Discovering, Gathering, Compiling and Disseminating Information About Parts of the Earth and Its Life—Namely, the Mountain Regions of the Pacific Coast of the United States of America; and Discovering, Gathering, Compiling and Disseminating Information Relative to, and To Promote the Conservation of Natural Resources—Namely, the Forests and Other Natural Features of the Mountain and Other Regions of the United States of America.
Claims use since May 1, 1894.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 532,628. National Union Fire Insurance Company of Pittsburgh, Pa., Pittsburgh, Pa., and elsewhere. Filed Aug. 27, 1947.



No claim is made to the word "Protection" nor to color. The drawing is lined for shading purposes only.
For Underwriting of the Following Lines of Insurance, Fire, Extended Coverage, Tornado, Sprinkler Leakage, Riot and Civil Commotion, Earthquake, Hail, Motor Vehicles, Ocean Marine, Inland Navigation and Transportation, and Aircraft.
Claims use since Jan. 2, 1932.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 527,988. The Pure Oil Company, Chicago, Ill. Filed July 5, 1947. (Sec. 2f.)

Bumper to Bumper

Applicant claims ownership of Registration No. 329,474.
For Services Rendered to Automobiles, Trucks, and Other Automotive Vehicles—Namely, Lubrication, Washing, Polishing, Repairing, Motor Tuning, Battery Charging, Tire Repairing and Changing, Air Cleaner Maintenance and Repair, Spark Plug Cleaning and Regapping.
Claims use since May 18, 1932.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 575,366. The National Orchestral Association, Inc., New York, N. Y. Filed Mar. 12, 1949. (Sec. 2f.)

Behind the Scenes in Music.

For Promotion of Interest, Appreciation, and Understanding of Orchestral Instruments and Music Through the Medium of a Radio Program Consisting of Informal Orchestral Rehearsals.
Claims use since Nov. 12, 1943.

Ser. No. 606,180. Aut Swenson, Springfield, Mo. Filed Nov. 9, 1950.

SWENSON
THRILLCADE

The name "Swenson" is disclaimed.
For Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grand Stands at Fairgrounds and Race Tracks, and in News Reels.
Claims use since Oct. 15, 1950.

Ser. No. 606,181. Aut Swenson, Springfield, Mo. Filed Nov. 9, 1950.

THRILLCADE

For Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grand Stands at Fairgrounds and Race Tracks, and in News Reels.
Claims use since Sept. 16, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,555. Water Proofing, Fire Proofing and Sealing Compound in Liquid, Etc. Impervious Products Co., Chicago, Ill.
Filed Apr. 22, 1946, Serial No. 500,662. Published Dec. 26, 1950. Class 6.

ACT OF 1920

These registrations are not subject to opposition.

444,556. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The William Powell Company, Cincinnati, Ohio. Filed June 23, 1947, Serial No. 524,672.

PILOT

For Gate Valves.
Claims use since Nov. 2, 1907.

ACT OF 1946, PRINCIPAL REGISTER

547,371. Foot Measuring Instruments. Charles F. Brannock, doing business as The Brannock Device Company, Syracuse, N. Y.
Original filed, act of 1905, July 22, 1943; amended to application under act of 1946, Principal Register, July 1, 1948, Serial No. 462,218. Published Apr. 17, 1951. Class 26.

547,372. Canned Evaporated Milk, Canned Fish—Namely, Salmon; Table Syrup, Malted Cocoa, Prepared Mustard, Egg Noodles, Peanut Butter, and Honey. The Grand Union Company, New York, N. Y.
Original filed, act of 1905, Aug. 1, 1945; amended to application under act of 1946, Principal Register, Dec. 6, 1948, Serial No. 486,574. Published May 22, 1951. Class 46.

547,373. Ladies' Hosiery. Best Made Silk Hosiery Company, Quakertown, Pa.
Original filed, act of 1905, June 26, 1947; amended to application under act of 1946, Principal Register, Oct. 18, 1950, Serial No. 524,854. Published June 5, 1951. Class 39.

547,374. Children's Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 2, 1950, Serial No. 524,986. Published May 15, 1951. Class 22.

547,375. Dairy Products Processing Equipment of Metal—Namely, Milk Cans, Cream Cans, Ice Cream Cans, Covers for Said Cans; and Milk Pails. The Creamery Package Mfg. Company, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,973. Published June 12, 1951. Class 2.

547,376. Wines and Sparkling Wines. Domaines Dopff "Clos du Moulin" Societe a Responsabilite Limitee, Riquewihr, France.
Filed Sept. 9, 1947, Serial No. 533,850. Published June 5, 1951. Class 47.

547,377. Soap. Beaver Home Products Co., Inc., Camden and Mount Ephraim, N. J., assignor to The General Cellulose Company, Inc., Westfield, N. J.
Filed Sept. 10, 1947, Serial No. 533,978. Published Mar. 21, 1950. Class 52.

547,378. Ice Cream and Frozen Confections. Good Humor Corporation, Brooklyn, N. Y.
Filed Oct. 3, 1947, Serial No. 536,602. Published May 8, 1951. Class 46.

547,379. Engine Parts and Tools—Namely, Pistons, Piston Expanders, Etc. McQuay-Norris Manufacturing Co., St. Louis, Mo.
Filed Oct. 25, 1947, Serial No. 539,066. Published Apr. 10, 1951. Class 23.

547,380. Chicken Soup Mix. Marketing & Supply Corp., New York, N. Y.
Filed Nov. 4, 1947, Serial No. 540,083. Published May 15, 1951. Class 46.

547,381. Hand Operated Injecting Devices for Introducing Condiments and Other Materials in Meats and Similar Foods. Alfred S. Bettencourt, doing business as Meat Seasoning and Tenderizing Company, East Orange, N. J.
Filed Nov. 13, 1947, Serial No. 541,007. Published Apr. 17, 1951. Class 23.

547,382. Rubber Patch and Fuel Units for the Repair of the Inner Tubes of Pneumatic Vehicle Tires. The Shaler Company, Waupun, Wis.
Filed Dec. 9, 1947, Serial No. 543,842. Published June 12, 1951. Class 35.

547,383. Whiskey. Schenley Distillers Corporation, New York, N. Y., now by change of name Schenley Industries, Inc., a corporation of Delaware.
Filed Dec. 22, 1947, Serial No. 545,172. Published June 12, 1951. Class 49.

547,384. Frozen Orange Juice for Food Purposes. California Consumers Corporation, Los Angeles, Calif.
Filed Dec. 26, 1947, Serial No. 545,436. Published May 8, 1951. Class 46.

547,385. Girls' Dresses, Pinafores, Bonnets, Sun Suits, Lounging Robes, Night Gowns, Panties, Pajamas. Pretty Penny, Inc., Atlanta, Ga.
Filed Feb. 11, 1948, Serial No. 549,461. Published June 5, 1951. Class 39.

547,386. Sawmills, Sawmill Husks, Sawmill Carriages, Etc. Corley Manufacturing Company, Chattanooga, Tenn.
Filed Feb. 14, 1948, Serial No. 549,714. Published May 1, 1951. Class 23.

547,387. Extenders—Namely, Walnut Shell Flour and Wood Flour, Etc. Perkins Glue Company, Lansdale, Pa.
Filed Feb. 24, 1948, Serial No. 550,432. Published June 5, 1951. Class 1.

547,388. Heat Resistant Construction Materials in the Form of Sheets and Molded Shapes and Composed of Asbestos Fiber, Clay, and a Binder and Used for Arc and Flame Barriers, and for Parts of Ovens, Muffles, and Other Apparatus Exposed to Heat. Johns-Manville Corporation, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,705. Published May 22, 1951. Class 12.

547,389. Beer. The Miami Valley Brewing Co., Dayton, Ohio.
Filed Mar. 2, 1948, Serial No. 551,018. Published May 29, 1951. Class 48.

547,390. Beer. Heineken's Bierbrouwerij Maatschappij N. V., Amsterdam and Rotterdam, Netherlands.
Filed Mar. 13, 1948, Serial No. 551,892. Published June 19, 1951. Class 48.

547,391. CONSOLIDATED CERTIFICATE. Coventry Ware, Inc., Barberton, Ohio.
Cases and Housings for Cigarette Lighter Elements. Filed Mar. 30, 1950, Serial No. 594,890. Published Feb. 20, 1950. Class 8.
Clock Cases. Filed Mar. 30, 1950, Serial No. 594,891. Published Jan. 9, 1951. Class 27.
Porcelain Book Ends. Filed Mar. 30, 1950, Serial No. 594,892. Published Feb. 27, 1951. Class 32.
Figurines and Animal Figures. Filed Mar. 30, 1950, Serial No. 594,893. Published Mar. 27, 1951. Class 30.
Decorative Porcelain and China Articles—Namely, Flower Holders, Hanging Wall Shelves, Etc. Filed Mar. 15, 1948, Serial No. 551,950. Published May 8, 1951. Class 30.

547,392. Clamshell Buckets, Dolomite Machines, Etc. Blaw-Knox Company, Pittsburgh, Pa.
Filed Dec. 16, 1947, Serial No. 552,345. Published Dec. 26, 1950. Class 23.

547,393. Base Metal Cooking Hollow Ware—Namely, Coffee Makers, Etc. The Enterprise Aluminum Company, Massillon, Ohio.
Filed Apr. 17, 1948, Serial No. 554,886. Published June 12, 1951. Class 13.

547,394. Sparkling Wines. Padre Vineyard Company, Los Angeles, Calif.
Filed Apr. 24, 1948, Serial No. 555,556. Published June 5, 1951. Class 47.

547,395. Tampons. William H. Rabell, Meriden, Conn.
Filed Apr. 28, 1948, Serial No. 555,768. Published June 5, 1951. Class 44.

547,396. Cooked Ham. Polish Hams, Inc., Philadelphia, Pa.
Filed May 4, 1948, Serial No. 556,218. Published June 19, 1951. Class 46.

547,397. CONSOLIDATED CERTIFICATE. Corning Glass Works, Corning, N. Y.
Gauge Glasses. Filed Aug. 23, 1950, Serial No. 602,604. Published May 15, 1951. Class 26.
Glass Lamp Chimneys. Filed May 10, 1948, Serial No. 556,623. Published May 29, 1951. Class 34.

547,398. Billiard Balls. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed June 10, 1948, Serial No. 558,855. Published May 15, 1951. Class 22.

547,399. Non-Electrical Phonographs, Etc. Harptone Manufacturing Corporation, Newark, N. J.
Filed June 11, 1948, Serial No. 559,024. Published June 12, 1951. Class 36.

547,400. Hosiery. Vermont Hosiery and Machinery Company, Northfield, Vt.
Filed June 11, 1948, Serial No. 559,074. Published June 5, 1951. Class 39.

547,401. Phonograph Needles. Permo Incorporated, Chicago, Ill.
Filed Mar. 17, 1948, Serial No. 559,423. Published June 12, 1951. Class 36.

547,402. Phonograph Styli. Permo Incorporated, Chicago, Ill.
Filed Mar. 17, 1948, Serial No. 559,425. Published June 12, 1951. Class 36.

547,403. Confections—Namely, Ice Cream Combined With Doughnuts, Cookies, Cake, or the Like. Alfred Rubin, doing business as The Rafter House, Naperville, Ill.
Filed June 18, 1948, Serial No. 559,643. Published June 12, 1951. Class 46.

547,404. Non-Alcoholic, Maltless Beverage Sold as a Soft Drink. Canada Dry Ginger Ale, Incorporated, New York, N. Y.
Filed June 25, 1948, Serial No. 560,187. Published Aug. 23, 1949. Class 45.

547,405. Cigars. Yocum Brothers, Inc., Reading, Pa.
Filed Mar. 13, 1948, Serial No. 561,405. Published June 5, 1951. Class 17.

547,406. Hosiery for Men, Women, and Children. Maro Hosiery Co., Inc., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 561,407. Published June 5, 1951. Class 39.

547,407. Pipe Supports, Which Serve as Hangers or Seats for Carrying Pipes and Piping Systems. C. H. Leibfried Mfg. Corp., Brooklyn, N. Y.
Filed July 21, 1948, Serial No. 561,837. Published June 12, 1951. Class 13.

547,408. Sinks, Set Wash-Basins, Lavatories, Bathtubs, Etc. Briggs Manufacturing Company, Detroit, Mich.
Filed July 22, 1948, Serial No. 561,880. Published June 12, 1951. Class 13.

547,409. Children's Toy Bank. Kenneth I. Brunt, doing business as B & B Mfg. Co., and B & B Novelty Mfg. Co., Battle Creek, Mich.
Filed Aug. 4, 1948, Serial No. 562,750. Published May 15, 1951. Class 22.

547,410. Coke Oven Pusher Machines and Shaft Couplings. Koppers Company, Inc., Pittsburgh, Pa., and Baltimore, Md.
Filed Sept. 22, 1948, Serial No. 563,636. Published June 5, 1951. Class 23.

547,411. Circulars, Pamphlets, Booklets, and Books Issued in a Series. Josephine C. Trust, Los Angeles, Calif.
Filed Sept. 3, 1948, Serial No. 565,847. Published Apr. 3, 1951. Class 38.

547,412. Stalk Cutters and Plow Stocks. King Plow Company, Atlanta, Ga.
Filed Sept. 30, 1948, Serial No. 566,154. Published May 1, 1951. Class 23.

547,413. Non-Alcoholic Maltless Beverages Sold as Soft Drinks, and Syrups and Flavoring Concentrates for Making the Same. Pine Spring Water Company, Brunswick, Maine.
Filed Sept. 30, 1948, Serial No. 566,167. Published May 15, 1951. Class 45.

547,414. Coin-Controlled Automatic Cigarette Merchandising Machines. Rowe Manufacturing Co., Inc., Whippany, N. J.
Filed Oct. 15, 1948, Serial No. 567,036. Published May 1, 1951. Class 23.

547,415. Artificial Casings for Temporary Use in the Manufacture of Skinless Sausage. Transparent Package Company, Chicago, Ill.
Filed Oct. 16, 1948, Serial No. 567,105. Published June 12, 1951. Class 2.

547,416. Wire Baskets Provided With Clamps Near Their Upper Open Ends, Etc. Betty L. Rokes, doing business as Betty Lee's Chair Joy Co., San Francisco, Calif.
Filed Nov. 2, 1948, Serial No. 568,073. Published June 12, 1951. Class 2.

547,417. Fishing Lines. Newton Line Company Incorporated, Village of Homer, N. Y.
Filed Nov. 10, 1948, Serial No. 568,526. Published May 15, 1951. Class 22.

547,418. Hair and Scalp Ointment and a Balm Locally Applied for Relief of Colds, Neuralgia, and Rheumatic Pains. Wiley A. Reynolds, doing business as The Book Drug Company, Detroit, Mich.
Filed Nov. 12, 1948, Serial No. 568,575. Published May 22, 1951. Class 18.

547,419. Transparent Bags Made of Plastic for Protecting Clothing, Garments, and Other Textile Goods. The Sydney-Thomas Corporation, Cincinnati, Ohio.
Filed Nov. 12, 1948, Serial No. 568,690. Published June 12, 1951. Class 2.

547,420. Beer. Grace Bros. Brewing Co., also doing business as North Bay Brewing Co., Santa Rosa, Calif.
Filed Dec. 11, 1948, Serial No. 570,363. Published Apr. 18, 1950. Class 48.

547,421. Beer. Peter Hand Brewery Company, Chicago, Ill.
Filed Dec. 11, 1948, Serial No. 570,373. Published June 12, 1951. Class 48.

547,422. Wines. Barletta Wine Company, Inc., New York, N. Y.
Filed Dec. 3, 1948, Serial No. 571,693. Published June 12, 1951. Class 47.

547,423. Beer. Chas. D. Kaier Company, Mahanoy City, Pa.
Filed Jan. 13, 1949, Serial No. 572,103. Published June 19, 1951. Class 48.

547,424. Brandies, Liqueurs, and Cognacs. Jose Bustamante S. L., Jeres de la Frontera, Spain.
Filed Jan. 14, 1949, Serial No. 572,159. Published June 12, 1951. Class 49.

547,425. Dual Axle Spring Assemblies and Foundry Equipment, Etc. Newaygo Engineering Company, Newaygo, Mich.
Filed Jan. 17, 1949, Serial No. 572,316. Published May 8, 1951. Class 23.

547,426. Dentists' and Dental Furniture—Namely, Operating Cabinets, Diagnostic Cabinets, Dental Laboratory Benches, and Accessories Thereof. Hamilton Manufacturing Company, doing business as The American Cabinet Company, Two Rivers, Wis., and Rahway, N. J.
Filed Feb. 1, 1949, Serial No. 573,126. Published June 5, 1951. Class 44.

547,427. Colloidal Compositions Used in the Process of Leather Manufacture, Etc. Fletcher Miller Limited, Manchester, England.
Filed Feb. 9, 1949, Serial No. 573,536. Published Aug. 29, 1950. Class 6.

547,428. Crude Coal Tars and Pitches, Asphalt, and Pitch Coke. Koppers Company, Inc., Pittsburgh, Pa.
Filed Feb. 16, 1949, Serial No. 573,951. Published June 5, 1951. Class 1.

547,429. Bowling Bags. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Feb. 21, 1949, Serial No. 574,192. Published May 15, 1951. Class 22.

547,430. Concentrated Glass Cleaner Sold Only in Containers of at Least One Gallon and Only to Restaurants, Hospitals and Other Institutions. John Sexton & Co., Chicago, Ill.
Filed Feb. 21, 1949, Serial No. 574,251. Published Aug. 29, 1950. Class 32.

547,431. Large Self-Propelled Combination Alfalfa Cutter and Chopper. Bert and Wetta, Maize, Kans.
Filed Feb. 25, 1949, Serial No. 574,486. Published Apr. 17, 1951. Class 23.

547,432. Chewing Gum. Bowman Gum, Inc., Philadelphia, Pa.
Filed Mar. 1, 1949, Serial No. 574,685. Published June 12, 1951. Class 46.

547,433. Whiskey. Esbeco Distilling Corporation, Stamford, Conn.
Filed Mar. 1, 1949, Serial No. 574,693. Published May 15, 1951. Class 49.

547,434. Fishing Tackle—Namely, Sinker Sets. The Paul Bunyan Bait Company, Minneapolis, Minn.
Filed Mar. 4, 1949, Serial No. 574,892. Published May 15, 1951. Class 22.

547,435. Door Tracks, Door Track Brackets, Door-Stay Rollers, Etc. Richards-Wilcox Manufacturing Company, Aurora, Ill.
Filed Apr. 11, 1949, Serial No. 576,930. Published June 12, 1951. Class 13.

547,436. Cough Syrup. Frank A. Maselli, East Lake-Willoughby, Ohio.
Filed Apr. 2, 1949, Serial No. 577,841. Published May 29, 1951. Class 18.

547,437. Machine Tools, Particularly Automatic Turret Lathes and Automatic Screw Cutting Lathes. Index Automatic Machine Company Limited, Birmingham, England.
Filed May 9, 1949, Serial No. 578,450. Published June 5, 1951. Class 23.

547,438. Expectorant Useful for Coughs Due to Colds. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,726. Published May 22, 1951. Class 18.

547,439. Medicinal Tablet Containing Liver Extract, Iron and Vitamin B-Complex, Useful in Restoring Hemoglobin Levels. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,731. Published May 22, 1951. Class 18.

547,440. Liquid Medicinal Preparation Useful for Control of Arterial Hypertension. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,737. Published May 22, 1951. Class 18.

547,441. Beer. The Walter Brewing Company, Pueblo, Colo.
Filed May 13, 1949, Serial No. 578,841. Published May 29, 1951. Class 48.

547,442. Preparation for the Treatment of Grippe, Infections of the Pulmonary Tracts, or Colds, in the Nature of a Capsule. Arist D. Linard, Foxboro, Mass.
Filed May 27, 1949, Serial No. 579,601. Published May 22, 1951. Class 18.

547,443. Taximeters, Odometers, and Speedometers. The Viking Tool & Machine Corporation, Belleville, N. J.
Filed May 28, 1949, Serial No. 579,727. Published July 4, 1950. Class 26.

547,444. Artificial Fishing Lures. South Bend Bait Company, South Bend, Ind.
Filed June 25, 1949, Serial No. 581,095. Published May 15, 1951. Class 22.

547,445. Remedy for Biliousness, Sick-Headache, Liver Complaint, Indigestion, and Constipation. H. Clarke & Sons, Inc., Baltimore, Md.
Filed July 6, 1949. Serial No. 581,553. Published May 22, 1951. Class 18.

547,446. Musical Game Which Includes a Master Panel, Etc. Music Amusements, Inc., Chicago, Ill.
Filed July 14, 1949, Serial No. 581,970. Published May 15, 1951. Class 22.

547,447. Vitamin Concentrates. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware.
Filed July 14, 1949, Serial No. 581,980. Published May 29, 1951. Class 18.

547,448. Cotton Disposable Dust Bags To Fit Every Make and Model Cylinder Vacuum Cleaner. Jack M. Krantz, New York, N. Y.
Filed July 18, 1949, Serial No. 582,382. Published June 12, 1951. Class 2.

547,449. Liquid Deodorant and Liquid Preparation for Use in Shock Absorbers. U S Chemical & Supply Co., Kansas City, Mo.
Filed Aug. 2, 1949, Serial No. 582,867. Published June 12, 1951. Class 6.

547,450. Antianemic Preparations. E. R. Squibb & Sons, New York, N. Y.
Filed Aug. 3, 1949, Serial No. 582,926. Published May 22, 1951. Class 18.

547,451. Toys — Namely, Extendable Flexible Rolls Formed of an Elongated Strip Rolled in a Close Helical Array and Extendable To Form an Inverted Cone. Zoomerang Associates, Limited, Rutherford, N. J.
Filed Aug. 4, 1949, Serial No. 583,012. Published May 15, 1951. Class 22.

547,452. Metal Cooking Utensil Which May Be Placed in a Frying Pan or the Like and Used To Fry Eggs and Other Foodstuffs. The Benmatt Organization, Los Angeles, Calif.
Filed Aug. 9, 1949, Serial No. 583,190. Published June 12, 1951. Class 13.

547,453. Grooved Phonograph Records. Dixieland Records, Inc., New Orleans, La.
Filed Aug. 15, 1949, Serial No. 583,469. Published June 12, 1951. Class 36.

547,454. Women's, Boys', and Girls' Hosiery. Vogt Knitting Mills, Inc., Reading, Pa.
Filed Aug. 20, 1949, Serial No. 583,783. Published June 12, 1951. Class 39.

547,455. Grooved Phonograph Records. Lloyd G. Newton, doing business as the Domino Record Co., New York, N. Y.
Filed Sept. 2, 1949, Serial No. 584,414. Published May 29, 1951. Class 36.

547,456. Cigars. Tampa Cigar Company, Inc., Tampa, Fla.
Filed Sept. 15, 1949, Serial No. 584,880. Published June 5, 1951. Class 17.

547,457. Stout. Arthur Guinness, Son & Co., Ltd., London, England.
Filed Sept. 16, 1949, Serial No. 584,905. Published June 19, 1951. Class 48.

547,458. Men's Hose. Products Exchange Company, Inc., New York, N. Y.
Filed Sept. 17, 1949, Serial No. 584,994. Published June 5, 1951. Class 39.

547,459. Flavoring Extracts for Foods. Hallock-Denton Co., Newark, N. J.
Filed Sept. 17, 1949, Serial No. 584,985. Published June 19, 1951. Class 46.

547,460. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed Sept. 21, 1949, Serial No. 585,103. Published June 12, 1951. Class 39.

547,461. Canned Apple Sauce. Sebastopol Cooperative Cannery, Sebastopol, Calif.
Filed Sept. 21, 1949, Serial No. 585,145. Published May 22, 1951. Class 46.

547,462. Syrups Used in Making Maltless Soft Drinks. McDowell, Pyle & Co., Inc., Baltimore, Md.
Filed Sept. 27, 1949, Serial No. 585,385. Published June 5, 1951. Class 45.

547,463. Jewelry Cleaning Fluid. National Ring & Leather Corporation, Mansfield, Ohio.
Filed Sept. 29, 1949, Serial No. 585,540. Published May 22, 1951. Class 52.

547,464. Buffing Wheels. F. L. & J. C. Codman Company, Rockland, Mass.
Filed Oct. 4, 1949, Serial No. 585,745. Published May 22, 1951. Class 4.

547,465. Disinfectant-Deodorant. The Selig Company, Inc., Atlanta, Ga.
Filed Oct. 4, 1949, Serial No. 585,770. Published June 12, 1951. Class 6.

547,466. Wines. Atlas Import & Export Corporation, New York, N. Y., assignor to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware.
Filed Oct. 13, 1949, Serial No. 586,230. Published June 5, 1951. Class 47.

547,467. Cornets, Trumpets, Trombones, Altos, Baritones, Basses, French Horns, Clarinets, Oboes, Piccolos, Flutes, Bassoons, Euphoniums. F. A. Reynolds Co. Inc., Cleveland, Ohio.
Filed Oct. 19, 1949, Serial No. 586,548. Published June 12, 1951. Class 36.

547,468. Grooved Phonograph Records. Radio Corporation of America, New York, N. Y.
Filed Oct. 29, 1949, Serial No. 587,051. Published June 12, 1951. Class 36.

547,469. Cigars, Smoking Mixture, and Cigarettes. B. Wasserman Company, New York, N. Y., assignor, by mesne assignments, to Old King Cole Products Co., New York, N. Y., a firm.
Filed Oct. 29, 1949, Serial No. 587,060. Published June 12, 1951. Class 17.

547,470. Cigars, Smoking Mixture, and Cigarettes. B. Wasserman Company, New York, N. Y., assignor, by mesne assignments, to Old King Cole Products Co., New York, N. Y., a firm.
Filed Oct. 29, 1949, Serial No. 587,061. Published June 12, 1951. Class 17.

547,471. Bituminous Pipe Joint Material, Etc. The Atlas Mineral Products Company of Pennsylvania, Mertztown, Pa.
Filed Nov. 3, 1949, Serial No. 587,233. Published May 22, 1951. Class 12.

547,472. Canned Vegetables, Fruits, and Juices—Namely, Sauerkraut, Tomato Juice, Sauerkraut Juice, and Cherries. Empire State Pickling Co., Phelps, N. Y.
Filed Nov. 3, 1949, Serial No. 587,256. Published May 15, 1951. Class 46.

547,473. Portable Tilting Type Concrete Mixers, Etc. The T. L. Smith Company, Milwaukee, Wis.
Filed Nov. 5, 1949, Serial No. 587,405. Published May 8, 1951. Class 23.

547,474. Crocheted Hats, Hand Crocheted Hats, and Hand Knitted Hats. Grace Harrison, Salt Lake City, Utah.
Filed Nov. 9, 1949, Serial No. 587,548. Published June 5, 1951. Class 39.

547,475. Anti-Biotics and Vaccines. Glaxo Laboratories Limited, Greenford, Middlesex, England.
Filed Oct. 28, 1949, Serial No. 587,610. Published May 29, 1951. Class 18.

547,476. Coal and Ore Dressing Machinery. Nelson L Davis Company, Chicago, Ill.
Filed Nov. 10, 1949, Serial No. 587,624. Published May 1, 1951. Class 23.

547,477. Educational Game Developed Around the Discovery of Gold at Coloma, California, and Played With Specially Designed Cards and Game Board. Thorup Brothers Enterprises, doing business as Partycraft, Fontana, Calif.
Filed Nov. 14, 1949, Serial No. 587,768. Published May 15, 1951. Class 22.

547,478. Stockings and Socks for Men, Women and Children. Bennett Bros. (Hosiery Mftrs. & Dyers) Limited, Hinckley, Leicestershire, England.
Filed Nov. 10, 1949, Serial No. 587,780. Published June 12, 1951. Class 39.

547,479. Industrial Cleaning Compounds for Cleansing Steel and Metal Articles. Vera B. Punderson, doing business as V. B. Punderson Company, Cleveland, Ohio.
Filed Nov. 15, 1949, Serial No. 587,817. Published May 22, 1951. Class 52.

547,480. Women's and Misses' Hosiery. Hess-Taylor Company, Inc., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,948. Published June 5, 1951. Class 39.

547,481. Ladies' Hosiery. Hess-Taylor Co., Inc., New York, N. Y.
Filed Nov. 17, 1949, Serial No. 587,950. Published June 5, 1951. Class 39.

547,482. Flutes, Ukuleles and Music Boxes. Reliable Toy Co. Limited, Toronto, Ontario, Canada.
Filed Oct. 7, 1949, Serial No. 587,987. Published June 12, 1951. Class 36.

547,483. Knitted and Woven Sportswear for Men, Women, Boys, and Girls—Namely, Sweaters, Jackets, Polo Shirts, Underwear, and Sport Shirts. Kigel Textile Company, Toledo, Ohio.
Filed Nov. 19, 1949, Serial No. 588,098. Published June 5, 1951. Class 39.

547,484. Valves—Namely, Line Blind Valves, Plug Valves, Flow-Bean Plug Valves, Etc. Hamer Oil Tool Company, Long Beach, Calif.
Filed Nov. 23, 1949, Serial No. 588,216. Published June 19, 1951. Class 13.

547,485. Steel and Alloys of Iron and Steel, Ferrous Metal Products Generally, Etc. The Armco International Corporation, Middletown, Ohio.
Filed Nov. 23, 1949, Serial No. 588,266. Published June 12, 1951. Class 14.

547,486. Fishing Spinners and Spoons Used as Artificial Bait. Oregon Fishing Spoon Co., Portland, Oreg.
Filed Nov. 23, 1949, Serial No. 588,317. Published May 15, 1951. Class 22.

547,487. Reeds for Reed Musical Instruments. Antonio Ciccone, doing business as Ciccone Reeds, Chicago, Ill.
Filed Feb. 1, 1950, Serial No. 588,364. Published June 12, 1951. Class 36.

547,488. Portable Box-Type Dispensers for Tissue Paper. Guild Products, Inc., Cincinnati, Ohio.
Filed Nov. 26, 1949, Serial No. 588,371. Published June 12, 1951. Class 2.

547,489. Tongue and Cheese Loaf, Beef Loaf, Pork and Beef Loaf, Beef and Tongue Loaf, Liver Cheese Loaf, Dried Beef, Headcheese, Meat Sandwich Spread, Etc. Glaser's Provisions Co. Inc., Omaha, Nebr.
Filed Dec. 7, 1949, Serial No. 588,948. Published May 22, 1951. Class 46.

547,490. Baking Pan. Bar-B-Buns, Incorporated, Cincinnati, Ohio.
Filed Dec. 13, 1949, Serial No. 589,244. Published June 12, 1951. Class 13.

547,491. Kit of Selected Cleaning Fluids in Separate Bottles for Use in Cleaning Textile Fabrics. Almor Rug and Furniture Cleaners, Chester, Pa.
Filed Dec. 19, 1949, Serial No. 589,548. Published May 22, 1951. Class 52.

547,492. Razors and Shears. E. Morris Manufacturing Co., Detroit, Mich.
Filed Dec. 23, 1949, Serial No. 589,864. Published May 1, 1951. Class 23.

547,493. Razors and Shears. E. Morris Manufacturing Co., Detroit, Mich.
Filed Dec. 23, 1949, Serial No. 589,865. Published May 1, 1951. Class 23.

547,494. Sex Hormone. Van Pelt and Brown, Incorporated, Richmond, Va.
Filed Dec. 30, 1949, Serial No. 590,198. Published May 22, 1951. Class 18.

547,495. Toy Appliance Intended for Locating Celestial Bodies by Means of Prearranged Translucent or Transparent Charts. Polaris Development & Manufacturing Company, Linden, Mo.
Filed Jan. 5, 1950, Serial No. 590,387. Published May 15, 1951. Class 22.

547,496. Analgesic. Endo Products Inc., Richmond Hill, N. Y.
Filed Jan. 6, 1950, Serial No. 590,432. Published May 29, 1951. Class 18.

547,497. Medicated Gauze Bandages. Gripgauze Inc., New York, N. Y.
Filed Jan. 16, 1950, Serial No. 590,934. Published May 22, 1951. Class 18.

547,498. Portable Houses. Ray Tyson, Wichita, Kans.
Filed Jan. 21, 1950, Serial No. 591,259. Published May 22, 1951. Class 12.

547,499. Medicinal Preparation Having Antihistaminic, Analgesic, and Antipyretic Properties. Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y.
Filed Jan. 24, 1950, Serial No. 591,351. Published May 29, 1951. Class 18.

547,500. Chemically Treated Wood Chips, Granules, Sawdust, Etc., Which Is Used to Melt Ice and to Provide a Non-Slip Surface on Ice, Etc. Normandy Chemical Corporation, Port Huron and Muskegon, Mich.
Filed Jan. 24, 1950, Serial No. 591,378. Published June 12, 1951. Class 6.

547,501. Hydraulic Brake Bleeder. Wagner Electric Corporation, St. Louis, Mo.
Filed Jan. 27, 1950, Serial No. 591,601. Published Apr. 17, 1951. Class 23.

547,502. Women's and Girls' Hosiery. Manchester Hosiery Mills, Manchester, N. H.
Filed Feb. 2, 1950, Serial No. 591,855. Published June 12, 1951. Class 39.

547,503. Wines. Schenley Industries, Inc., New York, N. Y., also doing business as L'Chayim Kosher Wine Company, Fresno, Calif.
Filed Feb. 13, 1950, Serial No. 592,390. Published June 5, 1951. Class 47.

547,504. Chemo-Therapeutic Agent Consisting of Tablets Made of a Thiosemicarbazone for Pulmonary Diseases. Schenley Laboratories, Inc., New York, N. Y.
Filed Feb. 13, 1950, Serial No. 592,394. Published May 29, 1951. Class 18.

547,505. Crushed Stone, Granite Fines, Concrete Block, and Concrete Brick. Consolidated Quarries Corporation, Decatur, Ga.
Filed Feb. 14, 1950, Serial No. 592,420. Published May 22, 1951. Class 12.

547,506. Synthetic Resins in the Form of Powders, Granules, Emulsions, Suspensions, Dispersions, and Solutions. Monsanto Chemical Company, St. Louis, Mo.
Filed Feb. 17, 1950, Serial No. 592,653. Published June 12, 1951. Class 6.

547,507. Prepared Mix of Sugar, Pectin, Fruit Juices, and Flavors Used for Making a Food Spread. American Brands Corporation, Redwood City, Calif.
Filed Feb. 20, 1950, Serial No. 592,744. Published Apr. 24, 1951. Class 46.

547,508. Card Games. Charles G. Kindelberger, Chicago, Ill.
Filed Feb. 21, 1950, Serial No. 592,818. Published May 15, 1951. Class 22.

547,509. Dyes and Dyestuffs. Althouse Chemical Company, Inc., Reading, Pa.
Filed Feb. 28, 1950, Serial No. 593,152. Published June 12, 1951. Class 6.

547,510. Powders Used in Making Non-Alcoholic Maltless Beverages. The Boi Manufacturing Company, Chicago, Ill., assignor to William Boyd, Beverly Hills, Calif.
Filed Mar. 4, 1950, Serial No. 593,392. Published June 12, 1951. Class 45.

547,511. Wire Staples Adhesively Secured in Stack Formation, Etc. Speed Products Company, Inc., Long Island City, N. Y.
Filed Mar. 9, 1950, Serial No. 593,695. Published June 12, 1951. Class 13.

547,512. Granular or Powdered Compositions for Absorbing Oil and Grease From the Floors of Garages, Factories, and the Like. Mil-Kex Specialty Co., Milwaukee, Wis.
Filed Mar. 10, 1950, Serial No. 593,739. Published May 22, 1951. Class 6.

547,513. Vermouth. Popper-Morson Company, New York, N. Y., and Jersey City, N. J.
Filed Mar. 11, 1950, Serial No. 593,828. Published May 22, 1951. Class 47.

547,514. Whiskey. Popper-Morson Company, New York, N. Y., and Jersey City, N. J.
Filed Mar. 11, 1950, Serial No. 593,829. Published May 22, 1951. Class 49.

547,515. Aircraft Parts—Namely, Flush Head Socket Bolts, Etc. Standard Pressed Steel Co., Jenkintown, Pa.
Filed Mar. 14, 1950, Serial No. 593,942. Published June 12, 1951. Class 13.

547,516. Apparatus for Testing the Heat Transfer Characteristics of Textile Fabrics. Rand Textile Development Corp., Cleveland, Ohio.
Filed Mar. 15, 1950, Serial No. 593,997. Published May 15, 1951. Class 26.

547,517. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,622. Published June 12, 1951. Class 6.

547,518. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,623. Published June 12, 1951. Class 6.

547,519. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,625. Published June 12, 1951. Class 6.

547,520. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,630. Published June 12, 1951. Class 6.

547,521. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,632. Published June 12, 1951. Class 6.

547,522. Children's Portable Plastic Wading Pool. Muskin Manufacturing Co., Brooklyn, N. Y.
Filed Apr. 4, 1950, Serial No. 595,220. Published May 15, 1951. Class 22.

547,523. Detergent Compositions Having Disinfecting Properties, Etc. Fuld Bros., Inc., Baltimore, Md.
Filed Apr. 5, 1950, Serial No. 595,254. Published May 22, 1951. Class 52.

547,524. Nonalcoholic, Maltless Beverages Sold as Soft Drinks. Nehi Corporation, Columbus, Ga.
Filed Apr. 5, 1950, Serial No. 595,275. Published June 19, 1951. Class 45.

547,525. Nonalcoholic, Maltless Beverages Sold as Soft Drinks. Nehi Corporation, Columbus, Ga.
Filed Apr. 5, 1950, Serial No. 595,276. Published June 19, 1951. Class 45.

547,526. Archery Sets Consisting of Bows, Arrows and Targets, Etc. Henry Modell & Co., Inc., New York, N. Y.
Filed Apr. 11, 1950, Serial No. 595,547. Published May 15, 1951. Class 22.

547,527. Cleaning Preparations for Automobiles. Karseal Corporation, Los Angeles, Calif.
Filed Apr. 15, 1950, Serial No. 595,789. Published May 22, 1951. Class 52.

547,528. Champagne. Sovereign Importers, Ltd., New York, N. Y.
Filed Apr. 22, 1950, Serial No. 596,204. Published May 22, 1951. Class 47.

547,529. Workbenches and Package Outfits Containing Hand Woodworking Tools, Etc. Skil-Craft Corporation, Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,446. Published May 15, 1951. Class 22.

547,530. Workbenches and Package Outfits, Etc. Skil-Craft Corporation, Chicago, Ill.
Filed Apr. 27, 1950, Serial No. 596,447. Published May 15, 1951. Class 22.

547,531. Industrial Suction Cleaners. Handling Devices Co. Inc., Boston, Mass.
Filed Apr. 25, 1950, Serial No. 596,465. Published May 8, 1951. Class 23.

547,532. Hosiery, Pajamas, and Slipper Sox for Men, Women, and Children. Holeproof Hosiery Co., Milwaukee, Wis.
Filed May 6, 1950, Serial No. 596,997. Published June 12, 1951. Class 39.

547,533. Baby Pants. Stardust, Incorporated, Poughkeepsie and New York, N. Y.
Filed May 6, 1950, Serial No. 597,022. Published June 12, 1951. Class 39.

547,534. Artificial Fishing Lures. Hinks Manufacturing Co., Fort Dodge, Iowa.
Filed May 8, 1950, Serial No. 597,076. Published May 15, 1951. Class 22.

547,535. Artificial Fishing Lures and Artificial Baits of All Kinds. William H. Walters, Jasonville, Ind.
Filed May 8, 1950, Serial No. 597,110. Published May 15, 1951. Class 22.

547,536. Hoods and Collars for Raincoats and Other Outer Clothing. Werber Sportswear Inc., Newburgh, N. Y.
Filed May 8, 1950, Serial No. 597,113. Published June 12, 1951. Class 39.

547,537. Artificial Fish Lures. Charles Garcia & Co., Inc., New York, N. Y.
Filed May 10, 1950, Serial No. 597,201. Published May 15, 1951. Class 22.

547,538. Mercurial Diuretic. Maltbie Laboratories, Inc., Newark, N. J.
Filed May 10, 1950, Serial No. 597,214. Published May 29, 1951. Class 18.

547,539. Women's and Children's Textile Aprons. Lilian Marie Apparel Co., Philadelphia, Pa.
Filed May 10, 1950, Serial No. 597,215. Published June 12, 1951. Class 39.

547,540. Canned Salmon. New England Fish Company, Seattle, Wash.
Filed May 16, 1950, Serial No. 597,339. Published May 22, 1951. Class 46.

547,541. Vermouth. Ets. Clarac Freres & Clauzel, Paris, France.
Filed May 17, 1950, Serial No. 597,600. Published May 29, 1951. Class 47.

547,542. Golf Clubs. Sport Products, Inc., Cincinnati, Ohio.
Filed May 18, 1950, Serial No. 597,707. Published May 15, 1951. Class 22.

547,543. Brandy. Pedro Romero Ambrosy, doing business under the name of Hijo de Pedro Romero, Sanlucar de Barrameda, Cadiz, Spain.
Filed May 20, 1950, Serial No. 597,806. Published May 22, 1951. Class 49.

547,544. Bronze Bearings. The Murray Company of Texas, Inc., Dallas, Tex., doing business under the name and style of Boston Gear Works, North Quincy, Mass.
Filed May 20, 1950, Serial No. 597,836. Published Apr. 17, 1951. Class 23.

547,545. Toy Guns. Product Engineering Co., Portland, Oreg.
Filed May 22, 1950, Serial No. 597,908. Published May 15, 1951. Class 22.

547,546. Ale. C. Schmidt and Sons, Incorporated, Philadelphia, Pa.
Filed May 22, 1950, Serial No. 597,912. Published May 15, 1951. Class 48.

547,547. Toy Motor Vehicles, Including Airplanes, Automobiles, and Boats. Duro-Matic Products Company, Los Angeles, Calif.
Filed May 31, 1950, Serial No. 598,358. Published May 15, 1951. Class 22.

547,548. Wines. Royal Wine Corporation, New York, N. Y.
Filed June 1, 1950, Serial No. 598,432. Published June 12, 1951. Class 47.

547,549. Antianemic Preparation. E. R. Squibb & Sons, New York, N. Y.
Filed June 3, 1940, Serial No. 598,551. Published May 29, 1951. Class 18.

547,550. Salt Codfish. Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass.
Filed May 12, 1950, Serial No. 598,561. Published May 15, 1951. Class 46.

547,551. Veterinary Anthelmintic Composition for the Treatment of Tapeworm Infestations in Domestic Animals. Allied Laboratories, Inc., Kansas City, Mo.
Filed June 6, 1950, Serial No. 598,625. Published May 22, 1951. Class 18.

547,552. Hosiery for Women and Girls. Hanes Hosiery Mills Company, Winston-Salem, N. C.
Filed June 7, 1950, Serial No. 598,725. Published June 5, 1951. Class 39.

547,553. Hand Tools—Namely, Trowels, Saws, Screw Drivers, Chisels, Wall Scrapers, Putty Knives, Shavehooks, and Planes. Macco Manufacturing Co. Limited, Wolverhampton, England.
Filed June 7, 1950, Serial No. 598,735. Published May 1, 1951. Class 23.

547,554. Astringent Cerates, Beauty Creams, Bleach Creams, Etc. The Nestle-Le Mur Company, New York, N. Y.
Filed June 7, 1950, Serial No. 598,748. Published May 29, 1951. Class 51.

547,555. Liquid Compound Used for Adding Lustre, Body and Weight to Fabric Garments. Takamine Laboratory, Inc., Clifton, N. J.
Filed June 7, 1950, Serial No. 598,762. Published June 12, 1951. Class 6.

547,556. Infants', Children's, Boys' and Girls' Knit Outerwear—Namely, Boys' Knitted Suits, Etc. Sanitary Knitting Co., Grand Rapids, Mich.
Filed June 12, 1950, Serial No. 598,961. Published June 5, 1951. Class 39.

547,557. Alcoholic Beverages and Liqueurs—Namely, Rock and Rye, Etc. Leroux and Company, Inc., Philadelphia, Pa.
Filed June 19, 1950, Serial No. 599,377. Published June 5, 1951. Class 49.

547,558. Brassières, Bandeaux, Corsets, Corselets, Panties, Pantie-Girdles, Girdles, and Garter Belts. Maiden Form Brassiere Co., Inc., New York, N. Y.
Filed June 27, 1950, Serial No. 599,833. Published June 12, 1951. Class 39.

547,559. Aspirin. Intermedico Corporation, New York, N. Y.
Filed June 26, 1950, Serial No. 599,917. Published May 29, 1951. Class 18.

547,560. Medicinal Preparation in Tablet Form for Diabetes. Allied Drugs, Inc., Hackensack, N. J.
Filed July 1, 1950, Serial No. 600,111. Published May 29, 1951. Class 18.

547,561. Single Household Preparation Having Insecticidal, Fungicidal, Germicidal, Disinfectant, and Deodorant Properties. G. N. Coughlan Company, West Orange, N. J.
Filed July 11, 1950, Serial No. 600,467. Published June 12, 1951. Class 6.

547,562. Medicinal Preparation in the Form of a Compressed Tablet Containing Phenobarbital, Belladonna Alkaloids, and Thiamin. Charles C. Haskell & Co., Inc., Richmond, Va.
Filed July 11, 1950, Serial No. 600,482. Published May 29, 1951. Class 18.

547,563. Fresh Grapes. O. D. Miller, doing business as Millermac Vineyards, Phoenix, Ariz.
Filed July 15, 1950, Serial No. 600,732. Published May 15, 1951. Class 46.

547,564. Wines. Ambrose and Company, Denver, Colo.
Filed July 18, 1950, Serial No. 600,803. Published May 22, 1951. Class 47.

547,565. Alcoholic Beverages—Namely, Egg Nog and Prepared Cocktails. The Crosse & Blackwell Company, Baltimore, Md.
Filed July 20, 1950, Serial No. 600,948. Published May 22, 1951. Class 49.

547,566. Hosiery. Skaggs-Stone, Inc., Oakland, Calif.
Filed July 20, 1950, Serial No. 600,990. Published June 5, 1951. Class 39.

547,567. Ladies' Gloves Made of Leather, Fabric, Doeskin, and Combinations Thereof. Bacmo Postman Corporation, New York, N. Y.
Filed July 21, 1950, Serial No. 601,014. Published June 12, 1951. Class 39.

547,568. Proprietary Solvent Alcohol Used as a General Purpose Household and Industrial Solvent, Etc. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed July 21, 1950, Serial No. 601,027. Published June 12, 1951. Class 6.

547,569. Cattle Feed, Consisting of Dried Molasses and Any Absorbent Carrying Agent, Etc. Raymond H. Saal & Co., Covington, La.
Filed July 21, 1950, Serial No. 601,077. Published May 8, 1951. Class 46.

547,570. Table Water. Great Bear Spring Company, New York, N. Y.
Filed July 25, 1950, Serial No. 601,209. Published May 29, 1951. Class 45.

547,571. Table Water. Great Bear Spring Company, New York, N. Y.
Filed July 25, 1950, Serial No. 601,211. Published May 29, 1951. Class 45.

547,572. Domestic Electric Refrigerators and Home Freezers. Avco Manufacturing Corporation, Cincinnati, Ohio.
Filed July 28, 1950, Serial No. 601,348. Published June 12, 1951. Class 31.

547,573. Sealing Solvent and Corrosion Preventative. L. K. R. Chemical Products Corporation, Detroit, Mich.
Filed July 29, 1950, Serial No. 601,444. Published June 12, 1951. Class 6.

547,574. Chemical Control Compositions in Tablet and Liquid Form, Such as for Determining the Alkaline and Caustic Strength of Bottle Washing Solutions. American Bottlers of Carbonated Beverages, Washington, D. C.
Filed July 31, 1950, Serial No. 601,488. Published June 12, 1951. Class 6.

547,575. Beer. Falls City Brewing Company, Inc., Louisville, Ky.
Filed Aug. 7, 1950, Serial No. 601,824. Published June 12, 1951. Class 48.

547,576. Chemical Compound Used To Prevent or To Retard the Degradation of High Molecular Weight Solids or Liquids. Argus Chemical Laboratory, Inc., Brooklyn, N. Y.
Filed Aug. 8, 1950, Serial No. 601,880. Published June 12, 1951. Class 6.

547,577. Bourbon Whiskey. B. J. Semmes & Company, Inc., Memphis, Tenn.
Filed Aug. 8, 1950, Serial No. 601,950. Published June 5, 1951. Class 49.

547,578. Smoking Tobacco. Fleming-Hall Tobacco Co., Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,145. Published June 5, 1951. Class 17.

547,579. Smoking Tobacco. Fleming-Hall Tobacco Co., Inc., New York, N. Y.
Filed Aug. 14, 1950, Serial No. 602,147. Published June 12, 1951. Class 17.

547,580. Unfilled Containers—Namely, Compacts for Both Loose and Caked Powder, Rouge Boxes, Pill Boxes, Lipstick Cases, and Vanity Cases, of Semi-Precious Metals, Leather, Plastic Materials, and Combinations Thereof. Paul Flato Sales Corporation, New York, N. Y.
Filed Aug. 15, 1950, Serial No. 602,192. Published June 12, 1951. Class 2.

547,581. Facial Cream, Pomade and Sun Tan Oil. Theodore Koss, doing business as Amelia Belle, New York, N. Y.
Filed Aug. 19, 1950, Serial No. 602,456. Published May 29, 1951. Class 51.

547,582. Infants' Crawlers, Creepers, and Cardigan Jackets. Alg-Schechner, Inc., New York, N. Y.
Filed Aug. 21, 1950, Serial No. 602,482. Published June 12, 1951. Class 39.

547,583. Women's and Misses' Hosiery. La Mode Hosiery Corporation, New York, N. Y.
Filed Aug. 21, 1950, Serial No. 602,511. Published June 12, 1951. Class 39.

547,584. Drapery Pleaters and Hangers, i. e., Wire Hooks Useful for Pleating and Hanging Draperies on Drape Rods. Bert P. Solomon, Detroit, Mich.
Filed Aug. 22, 1950, Serial No. 602,572. Published June 12, 1951. Class 13.

547,585. Sleeping Bag for Infants. Stern Brothers, New York, N. Y.
Filed Aug. 22, 1950, Serial No. 602,575. Published June 12, 1951. Class 39.

547,586. Outboard Motors and Parts Thereof. Kiekhaefer Corporation, Fond du Lac, Wis.
Filed Aug. 30, 1950, Serial No. 602,956. Published May 1, 1951. Class 23.

547,587. Distilled Liquors—Namely, Whiskey. Stitzel-Weller Distillery, Louisville and Shively, Louisville, Ky.
Filed Aug. 31, 1950, Serial No. 603,030. Published May 22, 1951. Class 49.

547,588. Beer. Esslinger's, Inc., Philadelphia, Pa.
Filed Sept. 5, 1950, Serial No. 603,149. Published June 19, 1951. Class 48.

547,589. Combustible Gas Indicators. Johnson-Williams, Ltd., Palo Alto, Calif.
Filed Aug. 11, 1950, Serial No. 603,334. Published May 15, 1951. Class 26.

547,590. Motor Driven Centrifuges, Motor Driven Magnetic Stirrers, and Liquid Tachometers, for Use in Laboratories. Ivan Sorvall, Inc., New York, N. Y.
Filed Sept. 14, 1950, Serial No. 603,552. Published May 15, 1951. Class 26.

547,591. Indexing Meld Holders To Be Used With the Game of Canasta. Murray A. Young, Oxford, Ohio.
Filed Sept. 16, 1950, Serial No. 603,656. Published May 15, 1951. Class 22.

547,592. Cigarettes. Brown & Williamson Tobacco Corporation, Louisville, Ky.
Filed Sept. 20, 1950, Serial No. 603,763. Published June 5, 1951. Class 17.

547,593. Gloves Made of Fabric and Leather. Fairfield Glove Co., Fairfield, Iowa.
Filed Sept. 23, 1950, Serial No. 603,916. Published June 5, 1951. Class 39.

547,594. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,008. Published June 12, 1951. Class 2.

547,595. Ladies' and Misses' Panties, Slips, Nightgowns, and Petticoats. Allen Underwear Mfg. Co., Inc., New York, N. Y.
Filed Sept. 29, 1950, Serial No. 604,174. Published June 12, 1951. Class 39.

547,596. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 29, 1950, Serial No. 604,205. Published June 12, 1951. Class 2.

547,597. Liquid Personal Deodorant. Lehn & Fink Products Corporation, Bloomfield, N. J.
Filed Oct. 2, 1950, Serial No. 604,311. Published May 29, 1951. Class 51.

547,598. Men's Gloves, Made of Leather, Wool, and Fur. The Associated Merchandising Corporation, New York, N. Y.
Filed Oct. 3, 1950, Serial No. 604,344. Published June 12, 1951. Class 39.

547,599. Alkali-Soluble Cellulose Ethers. Hercules Powder Company, Wilmington, Del.
Filed Oct. 5, 1950, Serial No. 604,477. Published June 12, 1951. Class 6.

547,600. Denatured Alcohol. Commercial Solvents Corporation, New York, N. Y.
Filed Oct. 7, 1950, Serial No. 604,570. Published June 12, 1951. Class 6.

547,601. Chemical Compositions Possessing Surface Active Properties for General Industrial Use. Commercial Solvents Corporation, New York, N. Y.
Filed Oct. 7, 1950, Serial No. 604,571. Published June 12, 1951. Class 6.

547,602. Artificial Fish Lures. Elizabeth S. Scanlan, doing business as Aeroplane Spinner Manufacturing Co., Denver, Colo.
Filed Oct. 14, 1950, Serial No. 604,934. Published May 15, 1951. Class 22.

547,603. Toy Guns. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,124. Published May 15, 1951. Class 22.

547,604. Fishing Tackle, and Particularly Fishing Rods. South Bend Bait Company, South Bend, Ind.
Filed Nov. 24, 1950, Serial No. 606,904. Published May 15, 1951. Class 22.

Service Marks

547,605. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Dec. 22, 1947, Serial No. 545,079. Published June 12, 1951. Class 104.

547,606. Services Rendered at Applicant's Automotive Service Stations Generally—Namely, Lubrication, Tire Repair, Tube Repair, Tire Vulcanizing, Tube Vulcanizing, Tire Recapping, Spark Plug Inspection and Cleaning, Wheel Switching, Battery Recharging, Battery Rental, Car Washing, Car Parking, and Emergency Road Service. Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif.
Filed Feb. 9, 1948, Serial No. 549,187. Published June 5, 1951. Class 103.

547,607. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,889. Published June 5, 1951. Class 104.

547,608. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Feb. 17, 1948, Serial No. 549,892. Published June 5, 1951. Class 104.

547,609. Railway Passenger Transportation Services. The Chesapeake and Ohio Railway Company, Cleveland, Ohio.
Filed May 27, 1948, Serial No. 557,896. Published June 12, 1951. Class 105.

547,610. Creating and Formulating Designs for Boxes and Containers To Meet the Specifications of Its Customers. J. Makowsky Corporation, New York, N. Y.
Filed Nov. 16, 1948, Serial No. 568,852. Published June 12, 1951. Class 100.

547,611. Performing a Hardening Process for Others on Milling Cutters, Lathe Tools, Reamers, Drills, Form Tools, Broaches, Dies, and Boring Tools. The Fellows Gear Shaper Company, Springfield, Vt.
Filed Sept. 3, 1949, Serial No. 584,447. Published June 12, 1951. Class 106.

547,612. Educational and Entertainment Services Rendered by Personal Appearance or by Television Broadcast, Comprising Demonstrations Designed To Entertain the Audience and Also Stimulate Interest in Science. Robert J. Brown, Asheville, N. C.
Filed Mar. 6, 1950, Serial No. 593,466. Published June 12, 1951. Class 107.

Certification Marks

547,613. Men's, Women's, and Children's Raincoats, Coats, Etc. The Ventile Fabrics Association of Great Britain, Manchester, England.
Original filed, act of 1905, Apr. 24, 1947; amended to application under act of 1946, Principal Register, July 16, 1947, Serial No. 521,299. Published June 5, 1951. Class 39.

547,614. Mahogany Lumber and Veneer. Mahogany Association, Inc., Chicago, Ill.
Filed Jan. 9, 1950, Serial No. 590,555. Published May 22, 1951. Class 12.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

547,615. (Class 46. Foods and Ingredients of Foods.) Loft Candy Corporation, Long Island City, N. Y. Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Supplemental Register, May 3, 1951, Serial No. 521,348.

Kiddies Own Package

For Candy.
Claims use since 1927.

547,616. (Class 3. Adhesives.) Monsanto Chemical Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Aug. 12, 1947; amended to application, Supplemental Register, Oct. 2, 1950, Serial No. 531,138.

NOCLAMP

For Glues.
Claims use since Sept. 13, 1946.

547,617. (Class 50. Merchandise not Otherwise Classified.) Wisconsin Silomat Manufacturing Company, Suring, Wis. Original filed, act of 1946, Principal Register, Dec. 1, 1947; amended to application, Supplemental Register, Oct. 6, 1949, Serial No. 542,898.

SILOMAT

For Mats for Covering the Top of Ensilage in Silos, Formed From Canvas and Similar Materials.
Claims use since Nov. 28, 1945.

547,618. (Class 6. Chemicals and Chemical Compositions.) Ross E. Markline, White Hall, Md. Original filed, act of 1946, Principal Register, Dec. 4, 1947; amended to application, Supplemental Register, May 8, 1950, Serial No. 543,309.

SUPER-THERM
MODERN GAS SERVICE

For Bottled Gas.
Claims use since Oct. 1, 1947.

547,619. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Thayer, Inc., Gardner, Mass. Original filed, act of 1946, Principal Register, Jan. 14, 1948; amended to application, Supplemental Register, Dec. 23, 1950, Serial No. 547,047.

Thayer

For Children's Toilet Seats.
Claims use since July 1, 1947.

547,620. (Class 46. Foods and Ingredients of Foods.) 6-O'Clock Foods, Inc., Norristown, Pa., and New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 28, 1948; amended to application, Supplemental Register, Oct. 18, 1950, Serial No. 548,193.

7 MINUTE

For Pie Crust Mix, Chocolate Layer Cake Mix, Golden Layer Cake Mix, Golden Cup Cake Mix, Lemon Pie Crust and Filling Mix, Chocolate Pie Crust and Filling Mix, Coconut Pie Crust and Filling Mix, Fudge Mix, Cake Icing Mix.
Claims use since Aug. 2, 1944.

547,621. (Class 11. Inks and Inking Materials.) Peerless Roll Leaf Co., Inc., Union City, N. J. Original filed, act of 1946, Principal Register, Mar. 6, 1948; amended to application, Supplemental Register, Dec. 23, 1950, Serial No. 551,398.

Color Foil

Applicant claims ownership of Registration No. 249,539.
For Heat-Releasable Transfer Strips, Each Formed of an Indefinite Length of Paper Strip on Which Is Applied a Coating of Beeswax and on Which Beeswax Coating Is Applied a Coating of Pigment.
Claims use since Aug. 1, 1921.

547,622. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Saval, Inc., Los Angeles, Calif., assignee of Saval Company. Filed Mar. 22, 1948, Serial No. 552,723.

"Shear-Flow"

For Hydraulic Valves and Valve Parts.
Claims use since Jan. 31, 1948.

547,623. (Class 50. Merchandise not Otherwise Classified.) Donaxe Company, Portland, Oreg. Original filed, act of 1946, Principal Register, Apr. 19, 1948; amended to application, Supplemental Register, Mar. 7, 1951, Serial No. 554,959.

SCARE-AWAY

For Scarecrows—Namely, Strips of Reflective Metallic Foil Having the Faculty of Crackling in the Wind When Supported Pendently From a Support in the Garden.
Claims use since Apr. 16, 1947.

547,624. (Class 44. Dental, Medical, and Surgical Appliances.) S. Irving Copen, Boston, Mass. Original filed, act of 1946, Principal Register, May 14, 1948; amended to application, Supplemental Register, July 6, 1949, Serial No. 557,022.

CO-MEDICATION

For Medical Syringes.
Claims use since Apr. 1, 1947.

547,625. (Class 16. Paints and Painters' Materials.) Pabco Products Inc., San Francisco, Calif., by change of name from The Paraffine Companies, Inc. Original filed, Act of 1946, Principal Register, June 5, 1948; amended to application, Supplemental Register, Feb. 12, 1951, Serial No. 538,590.

Solar-Shield

For Aluminum Paint for Roofing and the Like.
Claims use since September 1946.

547,626. (Class 46. Foods and Ingredients of Foods.) Mrs. Clark's Foods, Incorporated, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Aug. 30, 1948; amended to application, Supplemental Register, Mar. 7, 1950, Serial No. 564,373.

Mrs. Clark's FRUITOP

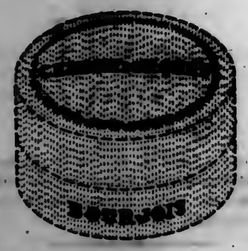
The drawing is lined for red and blue.
For Sweet Dressing for Fruit Salads.
Claims use since August 15, 1947.

547,627. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Graham Manufacturing Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 30, 1948; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 566,137.

MONO BOLT

For Heat Exchangers for Transferring Heat Between Any Two Fluids Such as Gases, Vapors or Liquids and Combinations Thereof, for Example Coolers for Milk, Juices, Diesel Jacket Water, Lubricating Oil, Hydraulic Fluid, Plating Bath Solutions, Cutting Oil, Quenching Oil, Refrigerants, Fluids Used in the Food and Drug Industries, Heaters for Fresh and Salt Water, Fuels, Oils, Vegetable and Fruit Juices and Chemical Solutions.
Claims use since May 26, 1948.

547,628. (Class 51. Cosmetics and Toilet Preparations.) Bourjois, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 6, 1948; amended to application, Supplemental Register, Nov. 8, 1949, Serial No. 566,497.



The drawing is lined to indicate the colors purple and gold. The trade-mark consists of a cylindrically-shaped box, colored purple, of the shape and design shown in the drawing, on the top of which box the words Centre de Roses appear in gold letters and on one side of which appears the word Bourjois in gold letters. Applicant claims ownership of Registrations Nos. 86,649, 94,967, and others.

For Rouge.

Claims use since 1912 and first used in 1860 as to "Bourjois."

547,629. (Class 37. Paper and Stationery.) John Dickinson Schneider, doing business at Franklin C. Hollister Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 9, 1948; amended to application, Supplemental Register, Mar. 29, 1951, Serial No. 566,776.

Certific-ettes

For Partially printed birth announcement forms.
Claims use since Apr. 29, 1948.

547,630. (Class 6. Chemicals and Chemical Compositions.) Magnet Cove Barium Corporation, Bellaire, Tex. Original filed, act of 1946, Principal Register, Nov. 8, 1948; amended to application, Supplemental Register, Mar. 17, 1951, Serial No. 568,383.

JEL-OIL

For Additives for Drilling Mud for Use in Drilling Oil and Gas Wells and the Like—Namely, Acid Viscosity Reducer, Sodium Silicate, Soap Concentrate, and Soap Emulsion.
Claims use since Feb. 1, 1948.

547,631. (Class 50. Merchandise Not Otherwise Classified.) J. H. Miller Mfg. Corporation, Quincy, Ill. Original filed, act of 1946, Principal Register, Dec. 15, 1948; amended to application, Supplemental Register, June 13, 1951, Serial No. 570,568.

Babe In The Manger

For Molded Religious Figures and Figurines Forming a Crèche.
Claims use since Nov. 26, 1948.

547,632. (Class 16. Paints and Painters' Materials.) Illinois Bronze Powder Co., Incorporated, Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 31, 1948; amended to application, Supplemental Register, Mar. 21, 1950, Serial No. 571,431.

Chrome-O-Plate

For Ready Mixed Aluminum Paint.
Claims use since Sept. 1, 1948.

547,633. (Class 51. Cosmetics and Toilet Preparations.) Lady Blue Cosmetics Co., Buffalo, N. Y. Original filed, act of 1946, Principal Register, Apr. 5, 1949; amended to application, Supplemental Register, June 8, 1951, Serial No. 576,647.

Lady Blue

For Lash Treating Compound for Beautifying and Promoting growth of the eye lash.
Claims use since Oct. 23, 1948.

547,634. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) William H. Harvey, doing business as Wm. H. Harvey Co., Omaha, Nebr. Original filed, act of 1946, Principal Register, Apr. 19, 1949; amended to application, Supplemental Register, June 12, 1951, Serial No. 577,385.



Applicant claims ownership of Registration No. 421,649.
For Preformed Gaskets for Setting Toilet Bowls.
Claims use since Feb. 15, 1945.

547,635. (Class 1. Raw or Partly Prepared Materials.) American Colloid Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 29, 1949; amended to application, Supplemental Register, June 15, 1951, Serial No. 577,924.

KWIK MIX

For Wyoming Type Bentonite in Granular Form.
Claims use since Mar. 4, 1949.

547,636. (Class 29. Brooms, Brushes, and Dusters.) C. O. Dicks Co., Detroit, Mich. Original filed, act of 1946, Principal Register, May 2, 1949; amended to application, Supplemental Register, Sept. 19, 1950, Serial No. 578,077.

FUZZ-OFF

For Gummed Paper Strips for Removing Lint From Clothing.
Claims use since July 15, 1947.

547,637. (Class 23. Cutlery, Machinery, and Tools; and Parts Thereof.) Essick Manufacturing Company, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Aug. 13, 1949; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 583,431.

DELUXE

For Mixers—Namely, Plaster Mixers, Mortar Mixers and Concrete Mixers.
Claims use since June 24, 1947.

547,638. (Class 6. Chemicals and Chemical Compositions.) Esso Standard Oil Company, Wilmington, Del., and New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 18, 1949; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 583,646.



The human figure illustrated in the drawing is fanciful. The drawing is lined for the colors red, white and blue.
Applicant claims ownership of Registrations Nos. 180,361, 201,116, and others.
For Insecticides.
Claims use since Mar. 1, 1949.

547,639. (Class 14. Metals and Metal Castings and Forgings.) Norman Freeman, doing business as The Woodhill Chemical Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Aug. 30, 1949; amended to application, Supplemental Register, Sept. 6, 1950, Serial No. 584,229.



The drawing is lined to indicate the color red.
For Plastic Metallic Automobile Body Solder.
Claims use since Aug. 15, 1949.

547,640. (Class 11. Inks and Inking Materials.) Hudson Carbon Paper & Ribbons Mfg. Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 12, 1949; amended to application, Supplemental Register, Aug. 31, 1950, Serial No. 586,164.

HUDSON

For Typewriter Ribbons.
Claims use since Jan. 25, 1949.

547,641. (Class 44. Abrasives and Polishing Materials.) Quixel Products Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 26, 1949; amended to application, Supplemental Register, Feb. 27, 1951, Serial No. 586,880.

SHU-BRUSH KIT

For Shoe Polish in Crayon Form.
Claims use since June 30, 1949.

547,642. (Class 21. Electrical Apparatus, Machines and Supplies.) William McKinley Baird, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 29, 1949; amended to application, Supplemental Register, June 22, 1951, Serial No. 587,005.

HOLD-A-CORD

For Electric Ironing Cord Holders.
Claims use since Oct. 15, 1947.

547,643. (Class 52. Detergents and Soaps.) James H. Aldredge, doing business as Beats All Mfg. Co., Atlanta, Ga. Original filed, act of 1946, Principal Register, Nov. 4, 1949; amended to application, Supplemental Register, Feb. 12, 1951, Serial No. 587,309.

Beats★all

For Cleaning Preparation for Rubber Products—Namely, Tires, Floor Mats and Gravel Guards.
Claims use since May 15, 1949.

547,644. (Class 18. Medicines and Pharmaceutical Preparations.) Boulanger Soeurs, Ogunquit, Me. Original filed, act of 1946, Principal Register, Nov. 19, 1949; amended to application, Supplemental Register, Oct. 12, 1950, Serial No. 588,075.

De Padoue

For Hair Salve.
Claims use since Sept. 1, 1948.

547,645. (Class 51. Cosmetics and Toilet Preparations.) Jeanne Liebenguth, doing business as Jeanne Noel, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 22, 1949; amended to application, Supplemental Register, Oct. 13, 1950, Serial No. 589,401.

TEXAS
BONNET BLEU

For Perfumes, Toilet Waters, Cosmetic Creams and Lotions for the Hands and Face, and Cosmetic Hair Lotions and Hair Creams and Hair Oil.
Claims use since Sept. 5, 1949.

547,646. (Class 29. Brooms, Brushes, and Dusters.) Meyer Label Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 22, 1949; amended to application, Supplemental Register, Sept. 19, 1950. Serial No. 589,795.

"SHOO-DUSTA"

For Cotton Felt Vulcanized Shoe Cleaning Cloths in a Pre-Cut Size.
Claims use since Sept. 1, 1949.

547,647. (Class 21. Electrical Apparatus, Machines, and Supplies.) Homes, Incorporated, Knoxville, Tenn. Original filed, act of 1946, Principal Register, Jan. 9, 1950; amended to application, Supplemental Register, Dec. 26, 1950, Serial No. 590,551.

CEIL HEAT

For Electric Heating Panels and Cables for Space Heating.
Claims use since Nov. 18, 1949.

547,648. (Class 44. Dental, Medical, and Surgical Appliances.) Millers Forge Mfg. Corp., New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 13, 1950; amended to application, Supplemental Register, Dec. 12, 1950, Serial No. 590,820.

FINGER-FITTED

For Manicuring Implements—Namely, Nail Files, Tweezers, Nail Clippers, Cuticle Clippers, Cuticle Nippers, Nail Nippers and Cuticle Pushers.
Claims use since Dec. 5, 1949.

547,649. (Class 21. Electrical Apparatus, Machines, and Supplies.) Matthias Rothstein, doing business as Vise-Grip Cable Co., Erie, Pa. Original filed, act of 1946, Principal Register, Jan. 11, 1950; amended to application, Supplemental Register, June 29, 1951, Serial No. 592,291.

VISE-GRIP

For Battery Cable Connectors.
Claims use since Jan. 17, 1949.

547,650. (Class 6. Chemicals and Chemical Compositions.) Eclipse Metal Mfg. Corporation, Eden, N. Y. Original filed, act of 1946, Principal Register, Feb. 13, 1950; amended to application, Supplemental Register, Mar. 19, 1951, Serial No. 592,362.

Charco-Lite

For Fluid for Starting Charcoal or Wood Fires.
Claims use since Sept. 1, 1948.

547,651. (Class 12. Construction Materials.) Magnet Cove Barium Corporation, Bellaire, Tex. Original filed, act of 1946, Principal Register, Feb. 13, 1950; amended to application, Supplemental Register, Mar. 14, 1951, Serial No. 592,377.

JEL-OIL

For Oil Drilling Mud Consisting of Mixtures of Oil, Asphalt and Soap as the Principal Ingredients.
Claims use since Feb. 1, 1948.

547,652. (Class 46. Foods and Ingredients of Foods.) Pacific Raisin Company, Inc., Fowler, Calif. Original filed, act of 1946, Principal Register, Feb. 13, 1950; amended to application, Supplemental Register, Nov. 27, 1950, Serial No. 592,383.

Hav-R-Sealed

For Raisins.
Claims use since Oct. 8, 1948.

547,653. (Class 22. Games, Toys, and Sporting Goods.) Clyde S. Bosman, Barberton, Ohio. Original filed, act of 1946, Principal Register, Mar. 8, 1950; amended to application, Supplemental Register, Apr. 26, 1951, Serial No. 593,580.

PLAFISH RAINBOW MINNOW

For Artificial Fish Lures.
Claims use since Jan. 9, 1950.

547,654. (Class 6. Chemicals and Chemical Compositions.) Polk Miller Products Corporation, Richmond, Va. Original filed, act of 1946, Principal Register, Mar. 15, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 593,992.



The drawing is lined to indicate the colors red, yellow and green.
Applicant claims ownership of Registrations Nos. 510,446, 517,313 and others.
For Disinfectant.
Claims use since Jan. 4, 1950.

547,655. (Class 1. Raw or Partly Prepared Materials.) Florapak, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 20, 1950; amended to application, Supplemental Register, Mar. 1, 1951, Serial No. 594,264.

florapak

For Fresh Flowers.
Claims use since November 1949.

547,656. (Class 6. Chemicals and Chemical Compositions.) Louis A. Havens, doing business as Bar-Bee Prod. Co., Valley Stream, N. Y. Original filed, act of 1946, Principal Register, Mar. 22, 1950; amended to application, Supplemental Register, May 22, 1951, Serial No. 594,380.

Better Grip

For Liquid Preparation for Sportsmen To Apply to the Hands or Parts Thereof To Prevent Slipping.
Claims use since Feb. 6, 1950.

547,657. (Class 46. Foods and Ingredients of Foods.) W. L. Wheatley, Inc., Clayton, Del. Filed Apr. 11, 1950, Serial No. 595,582.

Wheatley's

For Canned Food Products—Namely, Whole Grain Golden Sweet Corn.
Claims use since July 24, 1947.

547,658. (Class 46. Foods and Ingredients of Foods.) Zefer Products, Inc., Denver, Colo. Original filed, act of 1946, Principal Register, Apr. 17, 1950; amended to application, Supplemental Register, May 24, 1951, Serial No. 595,868.

Harpel's

For Food Products—Namely, Salad Dressings and Steak Sauces.
Claims use since Apr. 22, 1927.

547,659. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Stanford W. Sincomb, doing business as Water Guard Manufacturing Co., El Paso, Tex. Original filed, act of 1946, Principal Register, Apr. 20, 1950; amended to application, Supplemental Register, Apr. 12, 1951, Serial No. 596,053.

WATER GUARD

For Valve Rod Guides for Flush Tanks.
Claims use since June 13, 1949.

547,660. (Class 12. Construction Materials.) The Weisberg-Baer Company, Long Island City, N. Y. Original filed, act of 1946, Principal Register, Apr. 28, 1950; amended to application, Supplemental Register, Apr. 7, 1951, Serial No. 596,544.

SILENDOR

For Doors.
Claims use since Mar. 30, 1950.

547,661. (Class 44. Dental, Medical, and Surgical Appliances.) Stel-Ike Company, Des Moines, Iowa. Original filed, act of 1946, Principal Register, Apr. 29, 1950; amended to application, Supplemental Register, Feb. 16, 1951, Serial No. 596,630.

KLOT-BUSTER

For Embalming Instrument—Namely, a Drain Tube.
Claims use since Dec. 20, 1949.

547,662. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) R. Funk & Company, Inc., Neshaminy, Pa. Original filed, act of 1946, Principal Register, May 18, 1950; amended to application, Supplemental Register, May 17, 1951, Serial No. 597,864.

Cop-e-Eez

For Line-Spacing Copy Holders.
Claims use since Apr. 15, 1950.

547,663. (Class 12. Construction Materials.) Emco Cement Products, Inc., Paxonis, Pa. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, May 25, 1951, Serial No. 598,172.

BONDSTONE

For Combination of Materials Used in Making Artificial Building Stone—Namely, Sand, Cement Waterproofing Agent, Hardeners, and Mineral Coloring.
Claims use since Sept. 23, 1949.

547,664. (Class 21. Electrical Apparatus, Machines and Supplies.) Hipwell Manufacturing Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, June 24, 1950; amended to application, Supplemental Register, June 26, 1951, Serial No. 599,708.

Slim-lite

For Flash Lights.
Claims use since Apr. 28, 1950.

547,665. (Class 46. Foods and Ingredients of Foods.) Southern Dairies, Inc., Washington, D. C. Original filed, act of 1946, Principal Register, June 24, 1950; amended to application, Supplemental Register, May 11, 1951, Serial No. 599,721.

PIC-NIC-PAC

For Ice Cream.
Claims use since Apr. 24, 1950.

547,666. (Class 21. Electrical Apparatus, Machines and Supplies.) Telrex, Inc., Asbury Park, N. J. Original filed, act of 1946, Principal Register, July 7, 1950; amended to application, Supplemental Register, June 6, 1951, Serial No. 600,357.

CLOVERBEAM

For Indoor and Outdoor Antennas for Radio and Television reception.
Claims use since May 1950.

547,667. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Dowding Tap Company, Wrentham and Plainville, Mass. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, June 16, 1951, Serial No. 601,887.

CROMCLAD

For Cutting Tools—Namely, Taps.
Claims use since Mar. 27, 1950.

547,668. (Class 46. Foods and Ingredients of Foods.) D. B. Berelson & Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, Aug. 15, 1950; amended to application, Supplemental Register, June 18, 1951, Serial No. 602,138.

TROPIC SEA

For Canned Fish.
Claims use since June 10, 1950.

547,669. (Class 6. Chemicals and Chemical Compositions.) Wood-Treating Chemicals Company, St. Louis, Mo. Filed Aug. 21, 1950, Serial No. 602,530.

PENTA

For Chemical Wood Preservatives.
Claims use since Mar. 13, 1949.

547,670. (Class 33. Glassware.) Rubel & Company Decorative Accessories, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 7, 1950; amended to application, Supplemental Register, May 22, 1951, Serial No. 603,253.

Rubel

For Tableware Made of Glass.
Claims use since May 1, 1950.

547,671. (Class 35. Belting, Hose, Machinery Packing, and Nonmetallic Tires.) Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Original filed, act of 1946, Principal Register, Sept. 23, 1950; amended to application, Supplemental Register, June 8, 1951, Serial No. 603,934.

FLEXFOLD

For Fire Hose and Conveyor and Transmission Belting.
Claims use since May 23, 1950.

547,672. (Class 29. Brooms, Brushes, and Dusters.) Piedmont Mop Company, Incorporated, Charlotte, N. C. Original filed, act of 1946, Principal Register, Sept. 26, 1950; amended to application, Supplemental Register, June 1, 1951, Serial No. 604,030.

Hi-Ply

For Mops and Mop Heads.
Claims use since May 10, 1949.

547,673. (Class 18. Medicines and Pharmaceutical Preparations.) John L. Sanders, doing business under the name of The Skylan Laboratory, Greenville, S. C. Original filed, act of 1946, Principal Register, Sept. 29, 1950; amended to application, Supplemental Register, June 14, 1951, Serial No. 604,234.

DEXTRO PHEDRIN

For Preparation for Treating the Mucous Membranes of the Nose by Shrinkage.
Claims use since Mar. 13, 1939.

547,674. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Parker-Kalon Corporation, New York, N. Y. Filed Oct. 12, 1950, Serial No. 604,800.

IF IT'S P-K IT'S O.K.

Applicant claims ownership of Registration No. 296,996.
For File Handles, Handles for Non-Electrical Solder Irons, and Hand-Operated Metal Punches.
Claims use since June 1947.

547,675. (Class 34. Heating, Lighting and Ventilating Apparatus.) Parker-Kalon Corporation, New York, N. Y. Filed Oct. 12, 1950, Serial No. 604,801.

IF IT'S P-K IT'S O.K.

Applicant claims ownership of Registration No. 296,996.
For Hand-Operated Damper Regulators.
Claims use since June 1947.

547,676. (Class 50. Merchandise not Otherwise Classified.) Hedwin Corporation, Baltimore, Md. Filed Oct. 17, 1950, Serial No. 605,031.

Plastimat

For Plastic Place Mats.
Claims use since Sept. 22, 1949.

547,677. (Class 28. Jewelry and Precious-Metal Ware.) Goldstein-Gerson Co., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 21, 1950; amended to application, Supplemental Register, June 16, 1951, Serial No. 605,256.

Pairette

For Gold and Platinum Jewelry—Namely, Diamond Finger Rings.
Claims use since Jan. 2, 1949.

547,678. (Class 1. Raw or Partly Prepared Materials.) The Juvenile Shoe Corporation of America, Aurora, Mo. Filed Dec. 4, 1950, Serial No. 607,253.

STANDARDS OF EXCELLENCE ALWAYS

For Tanned Leather.
Claims use since June 1947.

547,679. (Class 46. Foods and Ingredients of Foods.) Eugene B. Bacarisse, New York, N. Y. Filed Dec. 5, 1950, Serial No. 607,280.

Kirby

For Canned Beans.
Claims use since May 27, 1949.

547,680. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Bernard E. Weisberg, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 22, 1950; amended to application, Supplemental Register, June 5, 1951, Serial No. 608,027.

ROGERS

For Cooking Utensils Made of Non-Precious Metal—Namely, Pots, Pans, Tea Brewers, Coffee Makers, Roasting Pans and Baking Pans.
Claims use since April 1950.

547,681. (Class 30. Crockery, Earthenware and Porcelain.) Bernard E. Weisberg, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 22, 1950; amended to application, Supplemental Register, June 5, 1951, Serial No. 608,028.

ROGERS

For Earthenware and Ceramic Dinnerware—Namely, Cups, Saucers, Plates, Platters, Bowls and Pitchers.
Claims use since April 1950.

547,682. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951, Serial No. 608,851.

HIGH SPEED

Applicant claims ownership of Registrations Nos. 417,771 and 418,196.
For Deluge Sprinkler Units, Piping, Valves, and Sprinklers Therefor.
Claims use since Jan. 15, 1943.

TRADE-MARK REGISTRATIONS RENEWED

36,162. "PRISCILLA" ETC. AND DRAWING. Registered Apr. 2, 1901. Fred H. Roberts, doing business as F. H. Roberts Co. Re-renewed Apr. 2, 1951, to H. L. Hildreth Company, Boston, Mass., a corporation of Massachusetts. Confection Consisting Principally of Maple-Sugar and Chopped Nut-Meats. Class 46.

36,237. "ANCHOR" AND REPRESENTATION OF ANCHOR. Registered Apr. 9, 1901. Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania. Re-renewed Apr. 9, 1951. Wringers, Mangles, and Domestic Laundry Machinery. Class 24.

82,160. PIXAVON. Registered June 6, 1911. Karl August Lingner, Dresden, Germany. Vested in Attorney General of the United States, Washington, D. C., and re-renewed to him June 6, 1951. Soap. Class 52.

82,212. CRESCENT. Registered June 13, 1911. Crescent Belt Fastener Company. Re-renewed June 13, 1951, to Crescent Belt Fastener Company, Inc., New York, N. Y., a corporation of New York. Fasteners, Plates, Clamps, and Rivets Made of Any Metal for Machinery-Belting. Class 13.

82,730. "FIBERITE" ETC. AND DESIGN. Registered July 18, 1911. Thames Paper Co., Limited. Re-renewed July 18, 1951, to Thames Board Mills Limited, Purfleet, Essex, England, a corporation organized under the laws of Great Britain. Packing Cases Made of a Material in the Nature of Cardboard. Class 2.

83,035. "YAWMANOTE" WITHIN SHORT HEAVY LINES. Registered Aug. 8, 1911. Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York. Re-renewed Aug. 8, 1951. Envelopes and Folders. Class 37.

83,433. "P T C" WITHIN OVAL DESIGN. Registered Sept. 12, 1911. The Penketh Tanning Company Limited, Penketh, near Warrington, England, a corporation organized under the laws of Great Britain and Northern Ireland. Re-renewed Sept. 12, 1951. Sole-Leather. Class 1.

84,023. "MOOSE" AND REPRESENTATION OF MOOSE. Registered Oct. 31, 1911. Mountain View Orange and Lemon Growers Association. Re-renewed Oct. 31, 1951, to Mountain View Fruit Association, Upland, Calif., a corporation of California. Oranges and Lemons. Class 46.

84,056. VEGA. Registered Oct. 31, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Oct. 31, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,057. URSA. Registered Oct. 31, 1911. The Texas Company, Houston, and Port Arthur, Tex., and New York, N. Y. Re-renewed Oct. 31, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,058. SPICA. Registered Oct. 31, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Oct. 31, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

281,413. SPONGETOP. Registered Mar. 17, 1931. Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Renewed Mar. 17, 1951, to Fisher Flouring Mills Company, Harbor Island, Seattle, Wash., a corporation of Washington. Wheat Flour. Class 46.

282,269. AMERICAN GENTLEMAN. Registered Apr. 14, 1931. McKesson & Robbins, Incorporated, Bridgeport, Conn. Renewed Apr. 14, 1951, to McKesson & Robbins, Incorporated, New York, N. Y., a corporation of Maryland. Shaving Soap in Solid or Paste Form, and Soap. Class 51.

283,127. KICKAWAY "VELRAY". Registered May 19, 1931. La Mode Garment Co., Inc. Renewed May 19, 1951, to Kickaway Garments, Inc., Chicago, Ill., a corporation of Illinois. Ladies' and Children's Wearing Apparel, Being That of Pajamas, Combination Pajama Sets, Etc. Class 39.

283,778. ALVESEN. Registered June 9, 1931. Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Renewed June 9, 1951, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. Preparation for Reducing Acidity. Class 18.

283,978. "STAR OF COLOGNE" ETC. AND REPRESENTATION OF STAR. Registered June 9, 1931. Paul Peter Mülhens, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Vested in Attorney General of the United States, Washington, D. C., and renewed to him June 9, 1951. Eau de Cologne Water, Perfumery, Hair Tonics, Shampoo, Pomade, Brilliantine, Etc. Class 51.

284,399. IDEAL. Registered June 23, 1931. Ideal Stitcher & Mfg. Co., Racine, Wis. Renewed June 23, 1951, to Walter R. Pabich, doing business as W. R. Pabich Manufacturing Company, Chicago, Ill. Machine for Wire Stitching Signatures, Boxes, and Books. Class 23.

284,654. ASPIRTINE. Registered July 7, 1931. Clyde E. Park, doing business as Park Chemical Company, Ottumwa, Iowa. Renewed July 7, 1951, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Medicinal Preparation for the Treatment of Head Colds, Neuralgia, Etc. Class 18.

284,763. "TOGGLE BUG". Registered July 7, 1931. Gilbert Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 7, 1951. Machines for Drilling, Etc. Class 23.

284,802. VETERINARY MEDICINE. Registered July 7, 1931. Veterinary Magazine Corporation, Chicago, Ill. Renewed July 7, 1951, to Veterinary Magazine Corporation, Kansas City, Mo., a corporation of Illinois. Periodical. Class 38.

284,855. CHILDS. Registered July 7, 1931. Childs Company, New York, N. Y. Renewed July 7, 1951, to Childs Company, Long Island City, N. Y., a corporation of New York. Cigars and Cigarettes. Class 17.

284,948. VERICHROME. Registered July 14, 1931. Eastman Kodak Company. Renewed July 14, 1951, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Photographic Film. Class 26.

286,182. SELEX. Registered Aug. 18, 1931. Walter Kidde & Company, Inc., New York, N. Y. Renewed Aug. 18, 1951, to Walter Kidde & Company, Inc., Belleville, N. J., a corporation of New York. Fire Detecting Systems, Etc. Class 21.

286,409. REPRESENTATION OF UNICORN AND DESIGN. Registered Aug. 25, 1931. Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Renewed Aug. 25, 1951, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. Medicinal Acids, Acids for Chemical Reagents, Acids for Chemical Test Indicator, Etc. Class 51.

286,788. "JAY J BEE" ETC. AND DRAWING. Registered Sept. 1, 1931. Jaburg Brothers, Inc. Renewed Sept. 1, 1951, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York. Cutlery, Machines, Tools and Parts Thereof, Bakers' and Confectioners' Machinery and Appliances—Namely, Knives, Etc. Class 23.

287,161. "JAY J BEE" ETC. AND DRAWING. Registered Sept. 15, 1931. Jaburg Brothers, Inc. Renewed Sept. 15, 1951, to R. C. Williams & Company, Inc., New York, N. Y., a corporation of New York. Electrical Machines and Apparatus, Consisting of Broilers, Urns, Etc. Class 21.

287,285. "GLOBE" AND DESIGN. Registered Sept. 15, 1931. Globe-Union Mfg. Co. Renewed Sept. 15, 1951, to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware. Golf Clubs, Roller Skates, and Ice Skates. Class 22.

287,877. "SUN-RA" AND REPRESENTATION OF SUN. Registered Oct. 13, 1931. A. Reich & Sons. Renewed Oct. 13, 1951, to A. Reich & Sons, Inc., Kansas City, Mo., a corporation of Missouri. Fresh Vegetables. Class 46.

288,054. REPRESENTATION OF BRAKE SHOE. Registered Oct. 20, 1931. American Brake Shoe and Foundry Company, Wilmington, Del., and New York, N. Y. Renewed Oct. 20, 1951, to American Brake Shoe Company, New York, N. Y., a corporation of Delaware. Brake Shoes. Class 19.

288,103. OLYMPIC. Registered Oct. 20, 1931. United American Bosch Corporation, Springfield, Mass. Renewed Oct. 20, 1951, to Olympic Radio & Television, Inc., Long Island City, N. Y., a corporation of New York. Radio Receiving Sets. Class 21.

288,134. ALL YEAR. Registered Oct. 20, 1931. Clarence Bessing, Los Angeles, Calif. Renewed Oct. 20, 1951, to Fillmore Lemon Association, Fillmore, Calif., a corporation of California. Fresh Citrus Fruits. Class 46.

288,398. BANANA SENSATION. Registered Oct. 27, 1931. Bowey's, Inc., Chicago, Ill., a corporation of Illinois. Renewed Oct. 27, 1951. Combination of Bananas, Other Canned Fruits; Flavors and Colors for Use in Flavoring Ice Cream, Sherbets, Etc. Class 46.

288,401. "NOT COCOA" AND REPRESENTATION OF EAST INDIAN FIGURE. Registered Oct. 27, 1931. Bowey's, Inc., Chicago, Ill., a corporation of Illinois. Renewed Oct. 27, 1951. Hot Chocolate Powder, a Combination of Liquor Chocolate and Flavored Sweetened Skim Milk, Etc. Class 46.

288,666. COFFEE-ROYAL. Registered Nov. 3, 1931. O. Walter Pees, Richmond Hill, Long Island, N. Y. Renewed Nov. 3, 1951, to O. Walter Pees, New York, N. Y. Non-Alcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, Sirups and Extracts for Making the Same. Class 45.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

501,673. NEOHETRAMINE. Registered Aug. 17, 1948. Nepera Chemical Company, Inc., Nepera Park, N. Y. Chemical Compounds Adapted for the Treatment of Allergic Disorders. Class 6. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Company," should be *Co.*; and a new declaration wherein "Company," has been changed to *Co.* has been substituted for the original.

542,621. FOOD-O-MAT. Registered May 22, 1951. Food-O-Mat Corporation, New York, N. Y. Display, Sales, and Storage Stands, for Articles of Various Kinds. Class 32. Corrected as follows: In the printed statement, second column, line 10, after the word and period "shown." insert the following paragraph:

Use by the following related company is an exception to the applicant's exclusive right to use the mark: The Grand Union Company, a Delaware corporation, located and doing business at 50 Church Street, New York 7, New York, the applicant being a wholly owned subsidiary of the said The Grand Union Company.

543,900. KERRCO. Registered June 19, 1951. R. W. Kerr Plastic Co., Hastings, Nebr. Plastic Articles—Namely, Wheel Wedging Blocks and Automobile Sun Visors. Class 19. Corrected as follows: In the certificate, lines 4 and 15, and in the heading to the printed statement, lines 2 and 3, for "Kerro Products" read *Kerrco Products*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

119,194. JACKLIFT. Registered Oct. 30, 1917. Renewed Oct. 30, 1937. Lewis-Shepard Company. Elevating-Trucks. Class 19. New certificate under section 7(c) issued Sept. 4, 1951, to Lewis-Shepard Products, Inc., Watertown, Mass., a corporation of Delaware.

119,331. MASTER. Registered Nov. 13, 1917. Renewed Nov. 13, 1937. Lewis-Shepard Company. Elevating-Trucks. Class 19. New certificate under section 7(c) issued Sept. 4, 1951, to Lewis-Shepard Products, Inc., Watertown, Mass., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 83,586. Registered Sept. 26, 1911. A. C. Lawrence Leather Company, Boston, Mass., a corporation of Maine. Republished by registrant, present address Peabody, Mass.

WEILDA

For Finished Leather.
Claims use since Dec. 1, 1900.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 286,815. Registered Sept. 8, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

Mule Kick

For Closet Bowl Cleaner and Porcelain Cleaner and Polish.
Claims use since Feb. 19, 1929.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 284,033. Registered June 9, 1931. Koppers Products Company, Pittsburgh, Pa. Republished by Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware.

KOLINEUM

For Insecticides and Wood Preservatives.
Claims use since June 28, 1930.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 282,641. Registered Apr. 28, 1931. Cornell Wood Products Company, Chicago, Ill., a corporation of Wisconsin. Republished by registrant.

IN-CEL-WOOD
"It's In The Cells"

The word "Wood" is disclaimed apart from the mark as shown.
For Fiber Thermal Insulating Board.
Claims use since Sept. 1, 1930.

Reg. No. 283,263. Registered May 19, 1931. Protecto Manufacturing Company, Chicago, Ill. Republished by Harmly Weatherstrip Company, Chicago, Ill., a copartnership.

PROTECTO

For Metal-Bound Felt Weatherstrips for Use on Doors and Windows.
Claims use since Dec. 1, 1915.

Reg. No. 394,792. Registered Apr. 28, 1942. Charlotte Chemical Laboratories, Inc., Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

CHARLAB

For Chemical Putty.
Claims use since June 25, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 398,776. Registered Nov. 24, 1942. The Yorkshire Copper Works Limited, Leeds, England, a company organized under the laws of Great Britain. Republished by registrant.

"YORCALNIC"

For Metal Tubes Including Tubes Made of Copper, Brass, Cupro-Nickel, Aluminium Brass, Phosphor Bronze, and Aluminium Tubes.
Claims use since April 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 285,900. Registered Aug. 11, 1931. Milwaukee Lubricants Co., Milwaukee, Wis. Republished by The Cellowax Company, Baltimore, Md., a corporation of Maryland.

CEMOWAX

For Liquid Floor Coating, Preservative, and Polish for Linoleum, Terrazzo, Tile, and Wood Surfaces.
Claims use since Feb. 11, 1931.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 46,355. Registered Sept. 12, 1905. Paris Medicine Co., St. Louis, Mo. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.

PAZO

E. W. Grove

For Artificial Ointment.
Claims use since October 1898.

Reg. No. 46,395. Registered Sept. 19, 1905. Paris Medicine Co., St. Louis, Mo. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.

LAXATIVE
BROMO QUININE
LBQ
E. W. Grove

For Remedies for Coughs, Colds and Headaches.
Claims use since about Feb. 1, 1893.

Reg. No. 307,417. Registered Oct. 24, 1933. The Paris Medicine Company, Wilmington, Del., and St. Louis, Mo. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.

LBQ

For Medicinal Tablet for the Relief of Colds, Coughs, Headaches and Lagrippe.
Claims use since about Feb. 1, 1893.

Reg. No. 313,322. Registered May 22, 1934. The Paris Medicine Company, St. Louis, Mo., and Wilmington, Del. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.

BROMO QUININE

For Medicinal Tablet for the Relief of Colds, Neuralgia, Pyrexia, Headaches, and Lagrippe.
Claims use since about Feb. 1, 1893.

Reg. No. 322,241. Registered Feb. 26, 1935. The Grove Laboratories, Inc., doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

"4-WAY"

For Medicinal Tablet for the Relief of Colds.
Claims use since about Jan. 16, 1934.

Reg. No. 402,596. Registered Aug. 3, 1943. The Grove Laboratories, Inc., Wilmington, Del., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address, St. Louis, Mo.

E. W. Grove

For Medicinal Tablet for the Relief of Colds, Simple Headaches, and Neuralgia, and Vitamin Capsules.
Claims use since about Feb. 1, 1893.

Reg. No. 434,386. Registered Nov. 18, 1947. Edward F. Glaszer, Chicago, Ill. Republished by registrant.

démex

For Preparation for Coughs and Throat Irritations.
Claims use since Oct. 30, 1946.

CLASS 19

VEHICLES

Reg. No. 442,644. Registered May 10, 1949. Six Wheels, Inc., Los Angeles, Calif., a corporation of California. Republished by registrant.

MAXI

The drawing is lined for red.
For Automotive Trucks.
Claims use since the year 1923.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 352,150. Registered Nov. 23, 1937. George Ainsworth, New York, N. Y. Republished by registrant, present address Long Island City, N. Y.

MAGNA

For Unitary Electric Lighting Fixtures.
Claims use since Sept. 1, 1921.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 376,689. Registered Apr. 2, 1940. Perfection Manufacturing Corporation, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

MASTER MILKER

The word "Milker" is disclaimed apart from the mark as shown.
For Milking Machines.
Claims use since on or about July 1, 1930.

Reg. No. 376,690. Registered Apr. 2, 1940. Perfection Manufacturing Corporation, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

MILKMASTER

For Milking Machines.
Claims use since Dec. 1, 1938.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 187,807. Registered Aug. 12, 1924. The United Jewelers, Inc., Wilmington, Del., and New York, N. Y. Republished by Hallmark Watch Corporation, Chicago, Ill., a corporation of Illinois.

HALLMARK

For Clock Movements and Watch Movements.
Claims use since May 1, 1915.

Reg. No. 425,504. Registered Nov. 26, 1946. Louis Aisenstein & Bros., New York, N. Y., assignor to Louis Aisenstein & Bros. Inc. Republished by Hallmark Watch Corporation, Chicago, Ill., a corporation of Illinois.

HALLMARK

For Watch and Clock Movements.
Claims use since May 1, 1915.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 253,529. Registered Feb. 26, 1929. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Republished by registrant.

SUMMEREST

For Swinging Couch Hammocks, Davenports, Mattresses, Mattress Pads, and Folding Camp or Outdoor Furniture.
Claims use since Sept. 26, 1928.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 284,229. Registered June 16, 1931. The Yorkshire Copper Works Limited, Leeds, England, a company organized under the laws of Great Britain. Republished by registrant.

YORCALBRO

For Aluminum-Bronze Condenser Tubes.
Claims use since May 1, 1930.

CLASS 39

CLOTHING

Reg. No. 370,931. Registered Sept. 12, 1939. George Goldenberg, Inc., New York, N. Y. Republished by George Goldenberg Co., Inc., New York, N. Y., a corporation of New York.

Fairbrooke

For Ladies' and Misses' Coats, Suits, and Dresses.
Claims use since Dec. 15, 1938.

Reg. No. 411,400. Registered Jan. 16, 1945. Tabin-Picker & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

EVERIZED

For Women's and Misses' Dresses.
Claims use since Apr. 3, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 283,415. Registered May 26, 1931. Mente & Co., Inc., New Orleans, La., a corporation of Louisiana. Republished by registrant.

ARROW

For Jute Bagging.
Claims use since July 13, 1929.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 82,875. Registered Aug. 1, 1911. The DeVilbiss Manufacturing Company, Toledo, Ohio. Republished by The DeVilbiss Company, Toledo, Ohio, a corporation of Ohio.

ATLAS

For Powder-Blowers, Atomizers, and Nebulizers.
Claims use since Sept. 17, 1910.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 178,014. Registered Jan. 1, 1924. Mary Fraser Candies, Inc., doing business as Mary Fraser Candy Studio, Los Angeles, Calif. Republished by Welch's Candy, Limited, Los Angeles, Calif., a corporation of California.



For Candies.
Claims use since about July 27, 1922.

Reg. No. 247,768. Registered Oct. 2, 1928. Burnand & Company, Los Angeles, Calif., and Nogales, Ariz. Republished by A. A. Burnand, Jr., Nogales, Ariz.

Willow Tree

For Fresh Vegetables, Fresh Deciduous Fruits, Fresh Grapes, Fresh Citrus Fruits, Fresh Honeydews, Fresh Casabas, and Fresh Cantaloupes.
Claims use since 1923.

Reg. No. 273,081. Registered July 22, 1930. Clear Lake Cannery, Inc., San Francisco and Upper Lake, Calif. Republished by Lake County Cannery, Inc., Upper Lake, Calif., a corporation of California.



For Canned Vegetables.
Claims use since 1905.

Reg. No. 276,049. Registered Oct. 7,, 1930. Société Anonyme des Etablissements Roure Bertrand Fils & Justin Dupont, Grasse, France, a corporation organized under the laws of France. Republished by registrant, present address Paris, France.



For Natural and Synthetic Organic Chemical Compounds Suitable for Use in the Production of Flavoring Extracts for Food Purposes.
Claims use since July 23, 1906.

Reg. No. 281,230. Registered Mar. 10, 1931. The Ohio Cheese Products Company, Xenia, Ohio. Republished by The Ohio Food Products Co., Xenia, Ohio, a corporation of Ohio.

CHECO

For Candied Pickle Chips and Cheeselike Food Products Made Partly or Entirely of Whole Milk, Skimmed Milk, or Cream, With or Without Salt, Rennet, or Harmless Coloring Matter.
Claims use since on or about January 1926.

Reg. No. 325,263. Registered June 18, 1935. Welch's Candy, Limited, Los Angeles, Calif., a corporation of California. Republished by registrant.

Welch's

For Candies.
Claims use since on or about Sept. 3, 1927.

Reg. No. 409,679. Registered Oct. 17, 1944. Welch's Candy, Limited, Los Angeles, Calif., a corporation of California. Republished by registrant.



For Candies.
Claims use since Sept. 6, 1932.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 391,505. Registered Nov. 11, 1941. American Sheet Metal Works, New Orleans, La., a corporation of Louisiana. Republished by registrant.

CRESCENT

For Rat Guards.
Claims use since on or about June 15, 1936.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 282,000. Registered Apr. 7, 1931. Sherwood Brothers Incorporated, Baltimore, Md., a corporation of Maryland. Republished by registrant.

RICH-SOL

The word "Rich" is disclaimed apart from the mark as shown.
For Hydrocarbon Solvents for Cleansers, Dry Cleaning, and for Detergent Purposes.
Claims use since Jan. 6, 1930.

REISSUES

SEPTEMBER 4, 1951

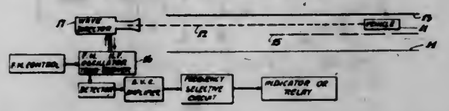
23,403

MEANS FOR DETECTING PRESENCE AND MOVEMENT OF BODIES

John L. Barker, Norwalk, Conn., assignor to Eastern Industries, Incorporated, a corporation of Delaware

Original No. 2,477,567, dated August 2, 1949, Serial No. 557,578, October 7, 1944. Application for reissue August 2, 1950, Serial No. 177,325

26 Claims. (Cl. 343—9)



23. Apparatus for the detection of movement, within a delimited zone, of a body having wave-reflective properties, by evaluating the beat frequency derived from a linearly modulated ultra high frequency wave projected against said body in its path of movement within said zone and beating the reflected portion of said wave against said transmitted wave: comprising means for filtering said beat frequency to derive a range of beat frequency comprehending the respective beat frequencies corresponding to wave reflections from the respective limits of said zone; means for amplifying said beat frequency range wave; means including a frequency responsive electrical network to derive from said beat frequency range wave a voltage proportional to the frequency of said wave; means for rectifying the output of said network, means including a second frequency responsive network to derive from said rectified output a voltage responsive to rate of change of frequency of said wave; means for indicating movement of said body according to voltage value input; means responsive to the voltage output of said second-named network to actuate said indicating means; and means responsive to sudden large increase and decrease in amplitude of such beat frequency range wave accompanying entry and departure of the body into and from said zone respectively for by-passing in advance of said indicating means, the voltage corresponding to the apparent peak rate of change of the frequency of the beat frequency range wave resulting as the body enters and leaves said zone, whereby said indicator means will not be actuated by such last-named voltage.

23,404

REACTION OF ORGANIC COMPOUNDS WITH HYDROGEN HALIDES

Arthur Ira Gebhart, Union, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Original No. 2,459,423, dated January 18, 1949, Serial No. 510,219, November 13. 1943. Application for reissue December 23, 1950, Serial No. 202,582

2 Claims. (Cl. 260—651)

11. The process of reacting styrene with hydrogen bromide which comprises contacting bromine in liquid sulphur dioxide medium with water to produce hydrogen bromide and sulphuric acid, intimately contacting the resulting mixture of hydrogen bromide, sulphuric acid and liquid sulphur-dioxide with styrene, removing sulphur dioxide from said mixture, and recovering bromoethylbenzene from the residue.

23,405

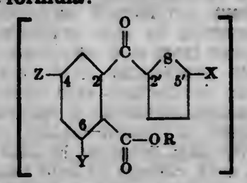
NITRO-(2'-THENOYL)-ALKYL BENZOATES

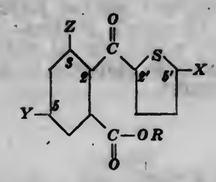
Edward K. Gladding, Greenville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,519,040, dated August 15, 1950, Serial No. 71,202, January 15, 1949. Application for reissue February 9, 1951, Serial No. 210,278

8 Claims. (Cl. 260—332.2)

5. The nitro-2-(2'-thenoyl)-benzoic acid alkyl esters of the formula:





in which one of the [substitutents] *substituents* Y and Z is a NO_2 group and the other is hydrogen, and wherein X is a [substitutent] *substituent* of the group consisting of H, Cl and Br, and R is an alkyl group containing from 1 to 4 carbon atoms.

23,406

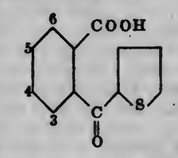
NITRO-(2-THENOYL)-O-BENZOIC ACIDS

Henry R. Lee and Viktor Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original No. 2,513,573, dated July 4, 1950, Serial No. 723,670, January 22, 1947. Application for reissue February 9, 1951, Serial No. 210,277

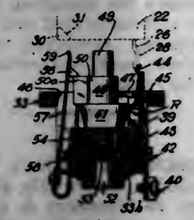
4 Claims. (Cl. 260—332.2)

1. The nitro-substituted (2-thenoyl)-o-benzoic acids of the formula:



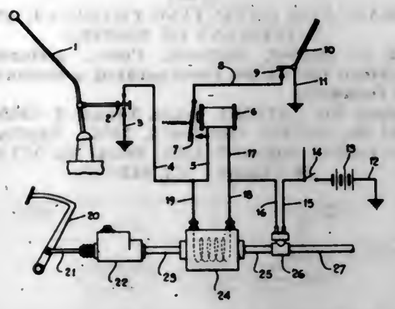
in which the NO_2 group is in one of the positions 3, 4, 5, and 6 while the remaining positions are substituted with hydrogen.

23,407
PLUG AND RECEPTACLE CONSTRUCTION
Christian Miller, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Original No. 2,503,286, dated April 11, 1950, Serial No. 34,535, June 22, 1948. Application for reissue December 22, 1950, Serial No. 202,283
11 Claims. (Cl. 200—51.1)



1. In a hospital signalling system, a plug and receptacle combination in which the plug has a plurality of electrical contacts and the receptacle has a plurality of corresponding spring-like electrical contacts, means comprising an electrically conductive plate adapted for contacting said contacts in said receptacle and thereby [short circuiting] *interconnecting* the circuits connected to said contacts when said plug is removed from said receptacle, and means for manually preventing *only certain of* said contacts from contacting said plate, said last-mentioned means including a manually operated plunger having a frusto-conical section [cooperating with said contacts in said receptacle] *for coaction with certain of said receptacle contacts and a straight section juxtaposed to the other of said receptacle contacts whereby only the former are moved out of engagement with said contact plate in response to manual actuation of said plunger.*

23,408
BRAKE HOLDER SYSTEM
Don Carlos Wiseley, Los Angeles, Calif., assignor to William F. Penrose, Newark, N. J.
Original No. 2,478,884, dated August 9, 1949, Serial No. 590,175, April 25, 1945. Application for reissue July 26, 1950, Serial No. 176,027
8 Claims. (Cl. 192—4)

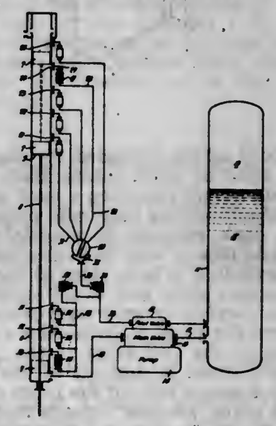


1. In combination with the fluid pressure braking system of a motor vehicle having accelerator and gear-shifting mechanisms; a hydro-electric valve for trapping fluid in the system, a first electrical switch associated with the said gear-shifting mechanism, a second electrical switch associated with the said accelerator mechanism, electrical means including a source of energy for operating the hydro-electric valve under the control of the said first electrical switch, an electrical relay included in the circuit of the said electrical means, and a holding electrical circuit for the said relay under the control of the said second electrical switch and including the contact elements of the said relay.

PATENTS

GRANTED SEPTEMBER 4, 1951

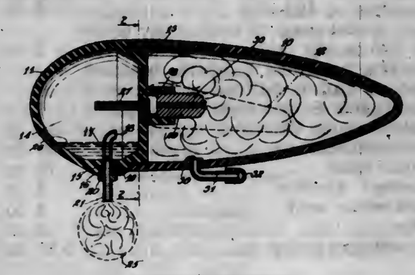
2,566,295
HYDRAULIC PUMPING JACK
Leroy D. Alward, Albany, Calif., assignor to The Pelton Water Wheel Company, San Francisco, Calif., a corporation of California
Application November 22, 1948, Serial No. 61,479
1 Claim. (Cl. 121—158)



A hydraulic pumping jack comprising a cylinder, a piston reciprocable therein, means for supplying oil to and withdrawing oil from one end of said cylinder, a valve for controlling said supplying and withdrawing means, a relatively long oil conduit extending from said cylinder adjacent said one end to said valve for controlling said valve in accordance with the position of said piston in said cylinder adjacent said one end thereof, a first check valve in said conduit adjacent said cylinder for preventing oil flow from said cylinder into said conduit, a second check valve in said conduit adjacent said valve for preventing oil flow from said conduit into said valve, a second relatively long oil conduit extending from said cylinder adjacent the other end thereof to said valve for controlling said valve in accordance with the position of said piston in said cylinder adjacent said other end thereof, a third check valve in said second conduit adjacent said cylinder for preventing oil flow from said second conduit into said cylinder, and a fourth check valve in said second conduit adjacent said valve for preventing oil flow from said valve into said second conduit.

2,566,296
TOY FOR BLOWING SMOKE-FILLED BUBBLES
Mary A. Brossett, Chicago, Ill.
Application August 1, 1946, Serial No. 687,761
2 Claims. (Cl. 46—3)

1. A toy simulative of an airship body with one end portion of firm material formed as a compartment and divided by a partition from the balance of said body, such balance being a pliable bulb and the bottom of the compartment serving to hold a quantity of bubble-making liquid, a tube rising through said bottom into the compartment space above said liquid and having a side inlet for the liquid at a point above said bottom, a second tube extended from the bulb through said partition into the compartment for the transmission of air thereinto when the bulb is compressed, such air influencing the entrance of a portion of said liquid into the first tube by way of said inlet to issue from the lower end of such first tube in bubble form, and the



extension of the second tube into the compartment being sufficient to place its free end above the level of said liquid in case the body is tilted from a normally horizontal position to locate said partition as the bottom of the compartment, said partition being extended with a receptacle on the side opposite from said second tube, the receptacle communicating with the latter and adapted to receive an incense element.

2,566,297
PILE CUTTING RECIPROCATING-SAW MACHINE
Aurele Charlebois, Windsor, Ontario, Canada
Application March 30, 1946, Serial No. 658,473
In Canada June 8, 1945
1 Claim. (Cl. 143—63)



In a pile cutting machine, the combination of an elongated frame adapted to be laid upon the top of a cut pile; a saw reciprocable lengthwise of said frame and adapted to project beyond one end thereof; a pile clamping device including a jaw adapted to engage the pile to be cut on the side thereof adjacent said frame, a second jaw slidably mounted on said first jaw adapted to engage the opposite side of the pile, means for slidably moving said jaws relatively to one another to clamp and unclamp the pile, and means for releasably locking said jaws in pile-engaging position; means including a rod insertable into the pile through said second jaw for forming a sliding support for the outer portion of said saw and a support for said second jaw; and a rigid member pivotally connected between said first jaw and the forward end of said frame whereby a manual pull applied to said member transversely thereof and between its pivotal connection with

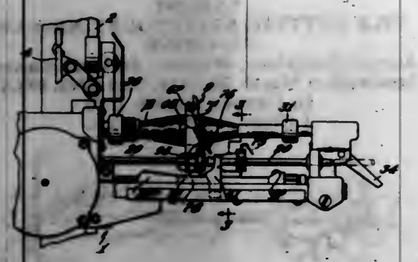
said first jaw and said frame, after said locking means have been operated to release said jaws, released said clamping device from the pile.

2,566,298
CLEANING COMPOSITION
Ernest R. Irwin, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 26, 1947, Serial No. 794,125
2 Claims. (Cl. 252—161)

1. A cleaning composition consisting essentially of the following materials in the approximate proportions by volume:

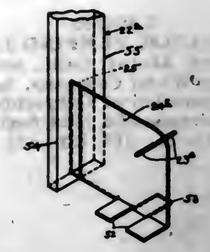
	Percent
Alkali metal soap of mahogany sulfonic acids having molecular weights of 400–410	15 to 28
Alkali metal soap of mahogany acids of 470 to 500 molecular weight	2 to 7
Catalytic reformed naphtha bottoms having initial boiling point above about 400° F. and final boiling point below about 600° F.	12 to 20
Monochlorbenzene	25 to 35
Cresylic acid	10 to 20
Isopropyl alcohol	3 to 7
Naphthenic acid	3 to 10
Water	3 to 6
Monoethanolamine	0.25 to 1.0

2,566,299
WINDING MACHINE
Edward J. Abbott, deceased, late of Wilton, N. H., by Samuel L. Abbott, executor, Wilton, N. H., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H., a corporation of New Hampshire
Application May 3, 1950, Serial No. 159,712
14 Claims. (Cl. 242—32)



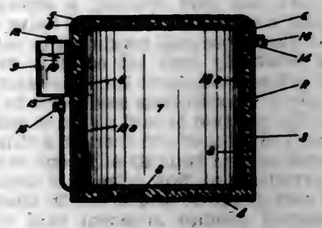
1. A filling winding machine thread guide mechanism including a thread guide having a short quick stroke of traverse and a progressive advance along a rotating winding bobbin, a feeler mounted to travel with the thread guide in its short quick stroke and progressive advance and mounted for movement away from the axis of the bobbin by contact with the wound thread on the bobbin, a profile element cooperating with the feeler to control the progressive advance of the thread guide, a feeler-restoring member for restoring the feeler toward the axis of the bobbin, and a displaceable connection between the feeler and feeler-restoring member permitting withdrawal away from the axis of the bobbin, of the point of nearest approach of the feeler, as the feeler is moved to greater distances from the axis of the bobbin by contact with the wound thread.

2,566,300
RECORD ALBUM
Folger Adam, Joliet, Ill., assignor to Thomas A. Banning, Jr., Chicago, Ill.
Application September 3, 1946, Serial No. 694,554
2 Claims. (Cl. 206—62)



1. A record album intended for standing support on a shelf or other substantially horizontal surface, said album including a back element and a rigid stud-supporting plate said plate extending from the back element substantially at right angles to one face of said back element, the back element extending to both sides of the so located stud-supporting plate, and record supporting stud projections carried by said rigid plate and projecting from the plate at both sides thereof, said projections at the two sides of the plate being substantially equal in amount to the extensions of the back element beyond the faces of the stud-supporting plate, whereby records may be simultaneously strung on the stud projections at both sides of the plate, substantially as described.

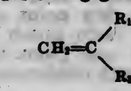
2,566,301
PORTABLE REFRIGERATION BOX
Alan Albert, Denver, Colo.
Application June 13, 1946, Serial No. 676,372
1 Claim. (Cl. 62—92)



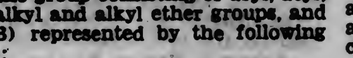
In a refrigeration box for perishables, an outer shell, an inner shell spaced therein to provide an open space between said inner and outer shells, an insulation material in said open space, an insulated cover normally supported on the box and providing an access opening to the interior, a refrigerant storage tank mounted on said box, a circuitous conduit extending from said tank in heat-transfer relationship to the inner shell, means for controlling the release of refrigerant from the storage tank into said conduit, and means adjacent the end of said conduit for discharging evolved vapors to atmosphere.

2,566,302
COPOLYMERS OF CINNAMOYL-VINYL AROMATIC HYDROCARBONS
Charles F. H. Allen and James A. Van Allan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 28, 1947, Serial No. 771,142
4 Claims. (Cl. 260—66)

1. A resinous polymer of a compound (A) represented by the following general formula:

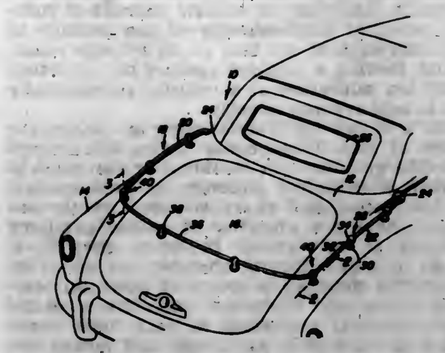


wherein R_1 is of the group consisting of hydrogen and lower alkyl groups of from 1 to 4 carbon atoms, R_2 is of the group consisting of aryl, acyl, nitrile, carboxyalkyl and alkyl ether groups, and a compound (B) represented by the following general formula:



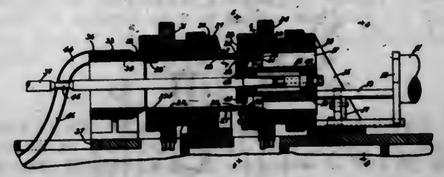
wherein R_3 is of the group consisting of hydrogen and lower alkyl groups of from 1 to 4 carbon atoms, R_4 and R_5 are aryl groups, the molecular ratio of compound (A) to compound (B) in the polymer being from 5:1 to 18:1.

2,566,303
LUGGAGE RAILING FOR AUTOMOTIVE VEHICLES
William F. Allmond, Norfolk, Va.
Application January 5, 1950, Serial No. 136,919
3 Claims. (Cl. 224—42.42)



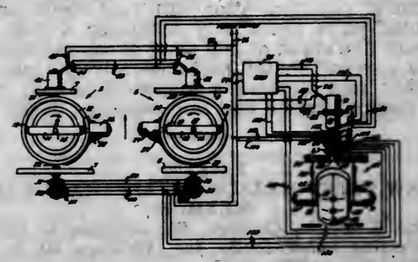
3. In an automotive vehicle having a rear body portion, rear fenders, and a trunk door hinged at the rear body portion, said door having side edges each spaced from an adjacent rear fender, a luggage retaining means comprising a railing including side portions, means for retaining each of said side portions on said body portion between each of said side edges and each of said rear fenders, said railing including a further portion extending across said trunk door and having free end portions intersecting said edges, said further portion being supported upon said trunk door, and means for detachably connecting said side portions to said free end portions of said further portion whereby the latter will move with the trunk door when the same is opened.

2,566,304
METHOD OF AND MACHINE FOR MAKING PISTON RINGS
Albert H. Bates, Rockford, Ill., assignor to Burd Piston Ring Company, Rockford, Ill., a corporation of Illinois
Application October 15, 1943, Serial No. 506,342
15 Claims. (Cl. 29—27)



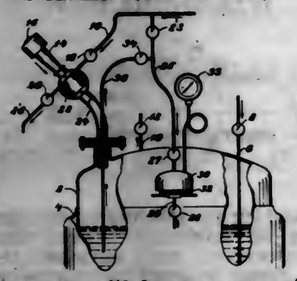
14. A machine for machining split piston rings comprising an internally tapered main chuck adapted to contract work advanced therein, an auxiliary chuck adapted to receive work discharged from said main chuck, means for advancing a plurality of pieces of work in side by side relation in said main chuck, and a cutter operatively associated with said main and auxiliary chucks to act on the work as it is transferred from said main to said auxiliary chuck.

2,566,305
SYSTEM FOR ELIMINATING OR GREATLY REDUCING THE ERRORS IN GYROSCOPIC DEVICES OR THE LIKE
Harold R. Beacom, Osborn, Ohio
Application January 3, 1947, Serial No. 720,893
9 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



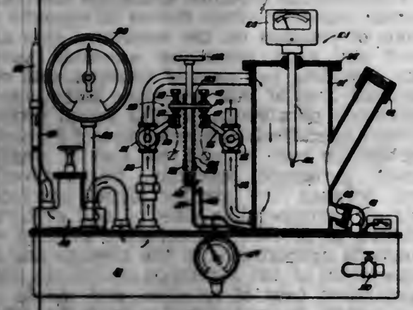
7. A gyroscopic device comprising, two similar independently mounted gyroscope assemblies including separate rotors driven in opposite directions of rotation on the respective spin axes thereof and each gyroscope assembly having means providing two axes of rotation with corresponding axes of said gyroscope assemblies in approximate parallelism, similar signal producing means operatively connected to said gyroscope assemblies on each of said two axes of rotation of each gyroscope assembly, interconnecting means between the similar signal producing means on corresponding axes of said gyroscope assemblies to provide two separate average signal outputs proportional to the average angular displacements of the gyroscope assemblies about corresponding axes of rotation, and means actuated jointly by said signal outputs for establishing a datum relative to said two axes of rotation of said gyroscope assemblies in accordance with the average angular deviation of the two gyroscope assemblies about corresponding axes of rotation.

2,566,306
SAMPLING APPARATUS
Samuel C. Beesch, Columbus, Ohio, assignor to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 15, 1948, Serial No. 33,043
2 Claims. (Cl. 195—127)



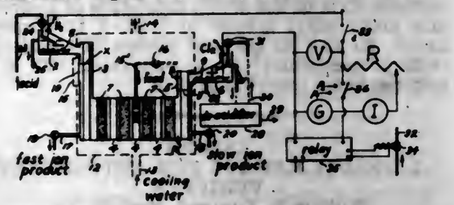
1. For use in withdrawing uncontaminated samples from an enclosed fermentation vessel or the like constructed and arranged normally to be maintained at super-atmospheric pressure; a generally hollow enclosed sampling device located outside of said vessel and including an upper portion and a detachable lower closure portion, said closure portion having an outlet opening communicating with a drain-line having a shutoff-valve operatively connected therewithin, a steam-line leading to said upper member and communicating with the underside thereof, a withdrawal-line extending downward within said vessel below the liquid level thereof and emerging through the top of said vessel, said withdrawal-line communicating with said steam-line at a point somewhat spaced from the sampling device, a shutoff-valve operatively connected within said withdrawal-line closely adjacent its point of communication with said steam-line, a shutoff-valve operatively connected within said steam-line ahead of said point of communication, and a second shutoff-valve operatively connected within said steam-line intermediate said point of communication and said sampling device.

2,566,307
DEW POINT MEASURING APPARATUS AND METHOD
John E. Boyle, Chicago, Ill., assignor to Illinois Testing Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application September 30, 1943, Serial No. 504,348
21 Claims. (Cl. 73—17)



1. The herein described method which comprises establishing a fixed charge of the gas to be tested within a reservoir at a pressure higher than that of atmosphere to establish a selected pressure ratio therebetween, conducting a portion of said charge into a condensing chamber with consequent reduction of said pressure ratio, venting said condensing chamber to atmosphere through a sufficient pressure ratio and with sufficient rapidity to cause expansion and adiabatic cooling of said portion of the gas to condense vapors contained therein, sensing the presence of the condensed vapors, repeating the three latter operations until the pressure ratio lowers to the point where there is insufficient expansion and adiabatic cooling of the gas to condense the contained vapor as determined by the inability to sense condensed vapor in said portion of the gas, and computing the dew point of the gas from the lowest pressure ratio which was effective to cause condensation and from the temperature then prevailing in said condensing chamber.

2,566,308
PROCESS AND APPARATUS FOR THE ELECTROCHEMICAL SEPARATION OF CHEMICALS BY ION MIGRATION
Aubrey K. Brewer, Richland Center, Wis.
Application February 7, 1947, Serial No. 726,975
11 Claims. (Cl. 204—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

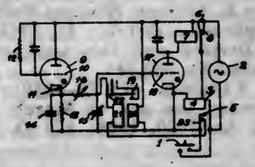


1. The process of fractionating a mixture of ions of like sign in an electrolyte through means of a capillary passage which comprises: feeding the electrolyte to a capillary passage of substantial length, applying an electric current of sufficient potential longitudinally of the passage to cause migration of the ions at an average velocity, and feeding a solution against the direction of said ion migration at a velocity substantially equal to said average velocity.

5. In a device for fractionating an electrolyte mixture of ionic components having like charge but unlike mobilities, in combination: an anolyte chamber, a catholyte chamber, a fractionating duct connecting said chambers, said fractionating duct having a plurality of spaced capillary partitions of substantial thickness therein, a cathode in said catholyte chamber, an anode in said anolyte chamber, a source of potential connected across said electrodes operative to cause a unidirectional migration of said ionic components through said partitions, and means for producing a unidirectional flow of solution through said duct and partitions in a direction opposite to that of said components and at a velocity substantially equal, numerically, to the average unimpeded migration velocity of said components, and means for cooling the faces of said partitions.

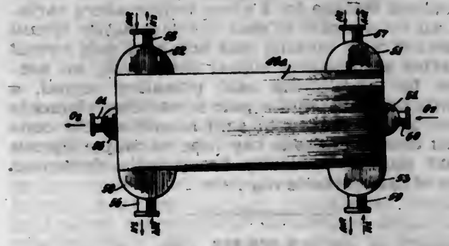
2,566,309
TIME-DELAY RELAY CIRCUITS
George E. Brode, Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application November 10, 1947, Serial No. 784,985
2 Claims. (Cl. 175—320)

1. A time delay circuit comprising a voltage source, a lock up relay, said relay having at least one winding connected across said source, at least one pair of contacts controlled by said relay, said winding being in series with said pair of contacts, said source connected to said relay for holding closed said contacts, a normally open switch across said contacts of said relay, first and second discharge tubes connected in parallel across said source through said pair of contacts,



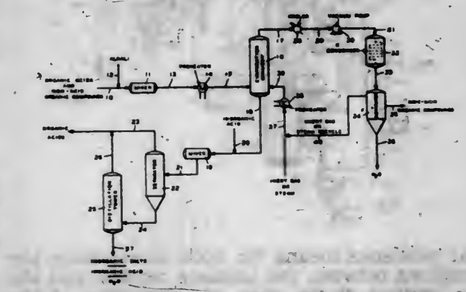
a resistor in the cathode circuit of said first discharge tube, a capacity-resistance network connected in series across said cathode resistor, a second relay in the anode circuit of said second tube, normally closed contacts associated with said second relay, said normally closed contacts being connected in series with the winding of said lockup relay.

2,566,310
TRAY TYPE HEAT EXCHANGER
James A. Burns, Garden City, N. Y., and Edward G. Engel, Roselle, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y.
Application January 22, 1946, Serial No. 642,594
15 Claims. (Cl. 257—245)



1. A heat exchanger for flow therethrough in indirect heat exchange relationship of oxygen, nitrogen and air, comprising a plurality of trays stacked in super-imposed relationship with the base of one tray defining the top of an underlying tray, each tray comprising a longitudinally extending base, a pair of side walls and a pair of end walls, the base portion of each tray being of thin metal of high heat conductivity, the thinness of the metal being such that the base is incapable of withstanding the pressure of the air stream unless added support is provided for said base, a multiplicity of fins of high heat conductivity disposed in each tray in closely spaced relationship to define a plurality of passages extending in the same longitudinal direction as the length of the tray, said fins in each tray having a multiplicity of closely spaced portions fastened to the base of the tray in which they are disposed and to underside of the base of an overlying tray to reinforce the base and enable it to withstand the pressure of said air stream, said trays of said stack through which oxygen flows having inlet and outlet ports in the opposite end walls thereof, the remaining trays in said stack being arranged in the stack in pairs with one tray of each said pair serving for flow of air therethrough and the other tray of the pair for flow of nitrogen during one period of operation and upon reversal the air flowing through the tray through which had flowed the nitrogen and the nitrogen flowing through the tray through which had flowed the air, one tray of said pair having a pair of ports in opposite side walls near diagonally opposite corners and the other tray in said pair having a pair of ports in opposite side walls near diagonally opposite corners, the said pair of trays thus having a pair of ports disposed on the same end of the stack but on opposite sides thereof and a second pair of ports disposed on the other end of the stack but on opposite sides thereof.

2,566,311
SEPARATION OF ORGANIC COMPOUNDS
William P. Burton, Orange, and Henry G. McGrath, Elizabeth, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application September 26, 1947, Serial No. 776,366
10 Claims. (Cl. 260—450)

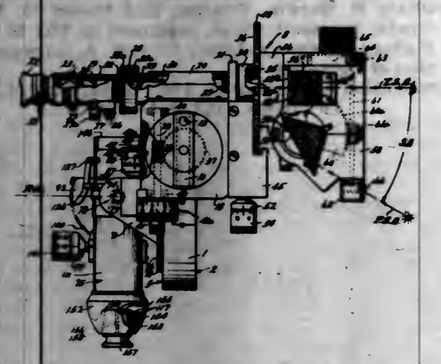


1. In a method for treating a mixture of organic compounds comprising a saponifiable organic acid and an unsaponifiable non-acid organic compound obtained from an oil condensate product produced in the hydrogenation of an oxide of carbon in which said mixture is treated with an alkali to convert said acid to its corresponding alkali salt, the steps of separating the resulting salt from the mixture thereof with said unsaponifiable non-acid organic compound which comprises subjecting the solution of said salt produced by said treatment to evaporative distillation under sub-atmospheric pressure to evaporate the liquid component of said solution without decomposition of said liquid component and deposit said salt as a solid residue, and separately withdrawing vapors and solid residue from said evaporation step.

2,566,312
CELESTIAL NAVIGATION INSTRUMENT
John C. Cable, Marshall, Mo.
Application January 28, 1946, Serial No. 643,957
23 Claims. (Cl. 33—2.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a celestial navigation or surveying instrument, a support, adjustable primary star sighting means carried by the support, means for adjusting the primary star sighting means to the declination of the primary star, with reference to a predetermined reference position of the support, secondary star sighting means adjustably carried by said primary star sighting means, means for adjusting and presetting the position of the secondary star sighting means with respect to the primary star sighting means to the known degree of angular separation between the two selected stars and the position angle between the second star and the first star as measured from the meridian of the first star, to collimate

the image of the second star with the image of the primary star while observing the primary star, primary vertical reference means universally mounted and adjustably carried by said support, means between the primary vertical reference means and the support for presetting the primary vertical reference means to an assumed vertical with respect to both said support and the primary and secondary star sighting means to indicate the assumed or best known latitude of the observer and the assumed Local Hour Angle of the primary star for the time of the observation; and secondary gravity determined vertical reference means carried by said primary ver-



tical reference means for both determining the variations between the assumed vertical and the true vertical at the time of collimation of the primary and secondary star images relative to the said assumed vertical reference representing the observer's assumed, approximate, or best known position, and determining directly the variations in angular distance and direction between the preset assumed vertical position of the primary vertical reference and the true gravity determined vertical indication of the secondary gravity determined vertical reference means at the time of the collimated observation of the two star images.

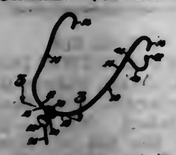
2,566,312

SOUND CONDUCTING TUBE FOR HEARING AIDS

Lillian D. Cates, Los Angeles, Calif.

Application March 12, 1948, Serial No. 14,560

11 Claims. (Cl. 181—22)



10. In hearing aid apparatus of the air-conduction type particularly suitable for use by ladies, a tubular member shaped to fit the rear portion of a user's head, means for holding one end thereof adjacent the affected ear and the other end adjacent the back of the user's head, said tubular member having a passage therein extending from a front point adjacent the user's affected ear to a rear point at the back of the user's head, a sound reproducing device connected in sound conducting relationship with said passage at said rear point, an ear mold adapted to fit in the mouth of the auditory canal of a user's affected ear and having an orifice therein adapted to communicate with said canal, and a flexible tubular member connected to conduct sound from said front point to said orifice, whereby said entire hearing aid may be concealed from view while in use by a lady.

2,566,314

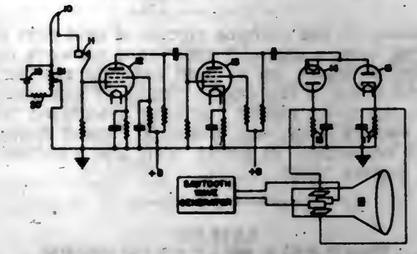
TEMPERATURE INDICATING APPARATUS

Arthur L. Christenson, Alexandria, Va., and Clarence E. Jackson, Niagara Falls, N. Y.

Original application October 11, 1944, Serial No. 558,234. Divided and this application March 7, 1946, Serial No. 652,745

3 Claims. (Cl. 73—359)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A temperature variation indicating apparatus comprising, in combination, a temperature detecting circuit including a thermoelectric element, a potential source for biasing said thermoelectric element at a predetermined level equal to substantially half the maximum thermoelectric output voltage for a given temperature variation, an interrupter in said thermoelectric circuit for periodically making and breaking said circuit to derive a pulsating signal therefrom, an amplifier for amplifying said pulsating signal, a cathode ray tube, and a pair of rectifier elements driven by the output of said amplifier and connected to said cathode ray tube to couple signals having opposite polarity to opposite deflection plates of said cathode ray tube.

2,566,315

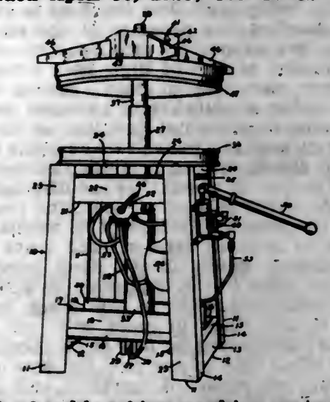
AXIALLY COLLAPSING TYPE, HYDRAULICALLY OPERATED TIRE BEAD BREAKING MACHINE

Pietro J. Christofoli, United States Navy, and Wilburn O. Bennett, Roscoe, Tex.

Application August 21, 1946, Serial No. 691,889

1 Claim. (Cl. 157—1.2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a tire bead breaking machine, a stand comprising a framework having a top for supporting horizontally a wheel and beaded tire, a horizontally positioned ring fixed to the top of said stand for engaging the lower bead of a tire placed thereon, and movable means for engaging the top bead of said tire and said wheel, said movable means including a shaft positioned concentrically with reference to said fixed ring and extending vertically above and below said fixed ring, a power unit attached to said frame and shaft beneath said fixed ring for reciprocation of said shaft, and a spider attached to the top end of said shaft, said spider including a hub removably attached to said shaft end, radial arms extending outwardly from said hub all around the shaft, and a ring having the approximate dimensions of said fixed ring attached rigidly to said arms at points intermediate their lengths to form peripheral free extensions, whereby supplementary rings having a diameter and width exceeding that of the spider ring may be placed around the spider ring and actuated by said power means to compress and release a tire bead of larger diameter.

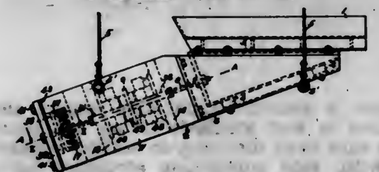
2,566,316

VIBRATOR

Eugene B. Cook, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 3, 1946, Serial No. 688,232

10 Claims. (Cl. 74—1)



1. In a vibrator having a massive frame, a reciprocable power output element movably mounted with relation to said frame, a rigid power transmission element rigidly connected to said reciprocable power output element, a disk spring having a center portion operatively engaging said power transmission element in axially fixed relation, said disk spring having a peripheral portion operatively engaging said frame in axially fixed relation, and a periodic force impulse applying means having relatively movable members, one attached to said frame and the other to a portion of said power transmitting element, the combination being characterized by attachment of said other member of said force impulse applying means to a portion of said power transmitting element axially intermediate the points of attachment to said element of said disk spring and said power output element.

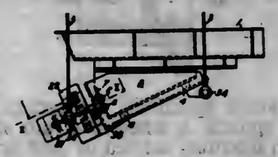
2,566,317

VIBRATOR

Alexander J. Roubal, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 3, 1946, Serial No. 688,233

8 Claims. (Cl. 74—1)



1. In a vibrator of the type in which a reciprocable mass is resiliently supported from a frame for vibration along an axis relative thereto, a massive reaction frame having an annular spring retaining portion normal to the axis of vibration, a plurality of parallel coaxially alined spring disks having their peripheral portions axially fixed in said spring retaining portion, and means connecting said reciprocable mass in fixed relation to the center portions of said disks.

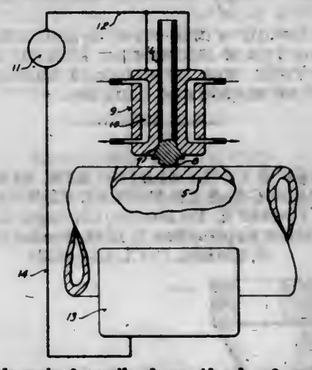
2,566,318

METHOD OF MAKING AN EXTENDED SURFACE HEAT EXCHANGE DEVICE OR SIMILAR COMPOSITE ARTICLE

David Dalin, Stenkullen, Ronninge, and Hans J. U. Wängsjö, Lidingo, Sweden, assignors to A/B Svenska Maskinverken, Sodertalje, Sweden, a corporation of Sweden

Application March 21, 1949, Serial No. 82,574

3 Claims. (Cl. 219—10)



1. The hereindescribed method of making a composite article having a metal base wall and closely spaced rod-like elements of metal having a high co-efficient of thermal conductivity projecting therefrom, which comprises: shaping one end of each element to provide the same with a flaring skirt and a contact portion projecting from the bottom of the skirt and shaped to have relatively small initial contact with the base wall upon placement of the element perpendicularly thereon; inserting the element in a chuck with the flaring top of the skirt in engagement with the underside of the chuck so that upon the application of downward force on the chuck to press the contact portion of the element against the base wall electrical contact between the chuck and the element is improved by the wedge action of the skirt in the chuck; connecting the base wall and the chuck with opposite sides of a source of low voltage, high amperage electric current so that such current flows across the junction between the contact portion and the base wall, providing said contact portion is in engagement with the base wall; forcing the chuck towards the base wall to press the contact portion endwise against the base wall; and maintaining said force on the chuck and said current flow until the metal of the contact portion spreads out over the base wall to substantially the full area of the skirt bottom and welds the skirt to the base wall.

2,566,319

RAM JET FUEL METERING UNIT

Walter K. Deacon, United States Navy

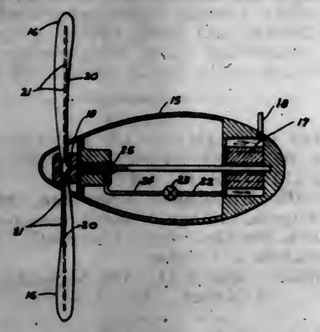
Application April 12, 1946, Serial No. 661,636

12 Claims. (Cl. 60—35.6)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a fuel system for a ram jet engine having a casing the combination comprising; an air driv-

en turbine adapted to be mounted within the air stream in the casing and having a rotor provided with fuel delivery passages from its hub to nozzles on its blades, and a fuel pump driven by said



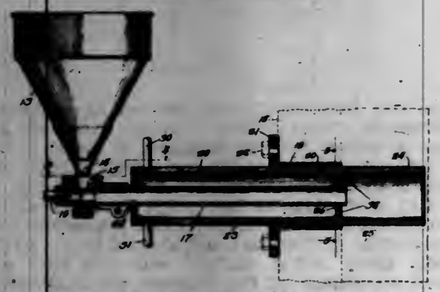
turbine having a delivery into said rotor hub for supplying fuel to said engine, whereby a constant fuel-air ratio may be obtained through a wide range of air speeds and densities.

2,566,320

JET DEVICE FOR FEEDING AIR, STEAM, AND CHEMICALS TO BOILER FURNACES

Harold E. De Roque, Chicago, Ill.

Application September 8, 1948, Serial No. 48,294
7 Claims. (Cl. 110—53)



1. A jet unit comprising: a tube having an open end and a closed end and adapted to be secured to a combustion chamber with the open end extending into said chamber, a diaphragm intermediate the ends of the tube to form with the closed end a chamber section, said diaphragm being provided with an opening defining a jet connected to the chamber section and directed toward the open end of the tube, means for connecting the chamber section to a source of fluid pressure, a pipe having one end opening exteriorly of the tube and having an intermediate portion connected to the tube and extending through the diaphragm with the other end of the pipe terminating short of the open end of the tube, means for introducing chemical into the intermediate portion of the pipe, and means for inducing a flow of fluid through said pipe to carry chemical introduced therein to said other end of the pipe.

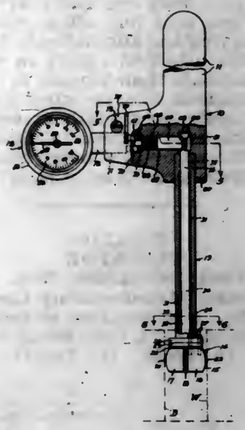
2,566,321

SEALED MEASURING HEAD FOR BORE GAUGES

Andrew Eisele, Detroit, Mich.

Application February 3, 1949, Serial No. 74,440
10 Claims. (Cl. 33—178)

6. An internal bore gauge measuring head unit for attachment to the actuating mechanism of a dial indicator having a movable motion-transmitting member associated therewith and projecting therefrom, said head unit comprising a head supporting structure, a movable head member movably mounted on said structure for motion transversely to the axis of said motion-transmitting member and operatively connected to said motion-transmitting member, a fixed head member secured to said structure in laterally spaced relationship with said movable head member, a bore-contacting element on each head



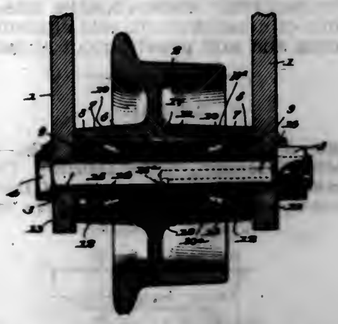
member, a resilient expansible sealing element mounted in and yieldably filling the space between said head members in sealing engagement therewith, said supporting structure having a transversely arranged abutment portion thereon and said movable head member having a bearing surface arranged in sliding engagement with said abutment portion, and a second resilient sealing element mounted between said movable head member and said abutment portion and in sealing engagement therewith.

2,566,322

WHEEL MOUNTING FOR AXLELESS TRUCKS

Henry Fort Flowers, Findlay, Ohio

Application November 5, 1946, Serial No. 707,822
In Great Britain November 7, 1945
3 Claims. (Cl. 308—187.1)



1. In a wheel mounting for trucks having a supporting spindle, a wheel the hub of which is mounted on bearings carried by said spindle, and spacer sleeves for positioning the bearings on the spindle, the combination of an oil seal mounted in the hub at each end thereof including an annular groove in the outer spacer sleeve and means within the hub and rotating therewith adapted to extend into the associated groove for retaining an oil bath within the hub, dust guards mounted on said spindle outside of the outer spacer sleeves, and means connected to the spindle for clamping the dust guards against the spacer sleeves, each dust guard having a flange at its outer edge contacting the hub and closing the open ends of the hub for preventing dust from working into and through the oil seal.

2,566,323

BRIDGING PLUG SETTING TOOL

Valoris L. Forsyth, Los Angeles, and Lyle Dillon, San Gabriel, Calif., assignors to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application May 8, 1948, Serial No. 25,946
16 Claims. (Cl. 166—13)



1. A setting tool for an oil well device adapted to be set, after being lowered to a desired location within a well bore, by relative movement of two of its parts comprising: a body structure including a pair of members positioned adjacent one another and movable longitudinally with respect to one another; a wall gripping member carried by a first one of said members and movable between retracted and extended positions with respect to said body structure and operative when extended to make gripping engagement with a surrounding borehole wall to resist upward motion but permitting free downward motion of said first one of said members relative to said borehole wall; means to restrain said wall gripping member to a retracted position; a third member included in said body structure and movable longitudinally with respect thereto and adapted by such motion to act upon said restraining means to release said wall gripping member to move to an extended position; suspension means connected to the second one of said members for lowering said tool into a well bore and for moving first one of said members upward with respect to said second one of said members when said wall gripping member is in engagement with a surrounding borehole wall; and means to couple said first one of said members to one of said parts and the second one of said members to the other of said parts of said oil well device.

2,566,324

DISCHARGE DEVICE FOR FLUIDS

Carl W. Frese, New York, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application November 16, 1949, Serial No. 127,695
14 Claims. (Cl. 169—11)



1. A discharge shield comprising a receptacle having a continuous side wall, an end wall, and an opening opposite said end wall of an area at least as great as the cross-sectional area of said receptacle adjacent said end wall; and a conduit within said receptacle having aperture means extending outwardly and rearwardly to direct a stream of fluid towards said end wall.

2,566,325

SANITARY PRODUCTS

Henry Ganz, West Englewood, N. J., assignor to Personal Products Corporation, a corporation of New Jersey

Application March 1, 1949, Serial No. 78,963
10 Claims. (Cl. 128—290)



8. A sanitary napkin comprising an absorbent pad having a repellent covering on one surface and at least part of its side surfaces, a semirepellent layer covering the remaining surfaces and having a group of pin point openings situated centrally so as to increase absorption of liquid discharges at limited areas, and porous, highly absorbent fiber layers below said pin point openings, in contact with said semi-repellent layer and with said pin point openings, whereby prewetting of said fiber layers is facilitated prior to full penetration of the semi-repellent layer by fluid and flow of fluid into said napkin is regulated.

2,566,326

STRAIN GAUGE MANOMETER

Victor Guillemin, Jr., Dayton, Ohio

Application December 2, 1946, Serial No. 713,445
12 Claims. (Cl. 73—398)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

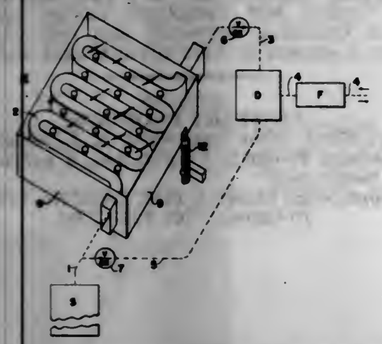
1. A strain-gauge manometer comprising a flexible tube, a plurality of wire windings thereon,

a sealed gas chamber in said tube and forming a part thereof and encircled by at least two of said windings and an open portion of said tube and



encircled by each of the remaining windings, and a bridge circuit having a plurality of arms, each arm having at least one of said windings connected therein.

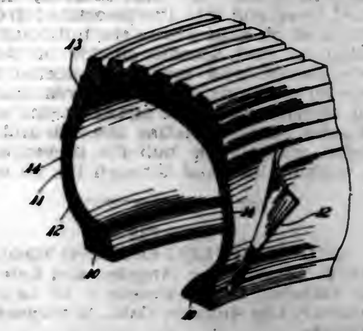
2,566,327
DEHUMIDIFIER SYSTEM
Robert F. Hallock, Hillside, Md.
Application February 5, 1946, Serial No. 645,686
2 Claims. (Cl. 34—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



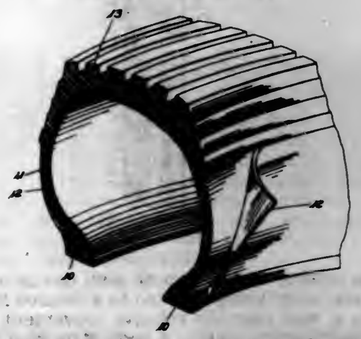
1. In combination in apparatus of the class described, adapted to be exposed to the sunlight and to ambient air; a storage compartment airtight except for a breather aperture; a breather line having one end connected to said breather aperture; a heating chamber airtight except for a first heater aperture and a second heater aperture; said heating chamber having a transparent cover for free transmission of solar radiation; means in said chamber for trapping heat from the sunlight; means connecting said first heater aperture to the other end of said breather line; said heating chamber adapted to heat only air as it passes through the breather line; a drier container spaced apart and separately housed from the heating chamber and airtight except for a first drier aperture and a second drier aperture; desiccant material in said container; and a conduit connecting said second heater aperture and said first drier aperture; said second drier aperture being in communication with said ambient air.

2,566,328
TIRE CONSTRUCTION
George C. Hesney and John W. Martindale, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 20, 1947, Serial No. 749,126
15 Claims. (Cl. 152—330)

1. An unvulcanized vulcanizable article comprising opposed layers of rubber compositions normally pervious to migratory staining material and a buffer layer disposed between said opposed layers comprising a rubbery copolymer of 70 to 99½ parts by weight of an isoolefin having from 4 to 7 carbon atoms with ½ to 30 parts by weight of an open-chain conjugated diolefin having from 4 to 8 carbon atoms, each said composition containing a vulcanizing agent therefor, all said layers being adhered together.



2,566,329
TIRE CASING OR SIMILAR LAMINATED ARTICLE
George C. Hesney, Akron, and John W. Martindale, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 27, 1947, Serial No. 750,786
14 Claims. (Cl. 152—330)

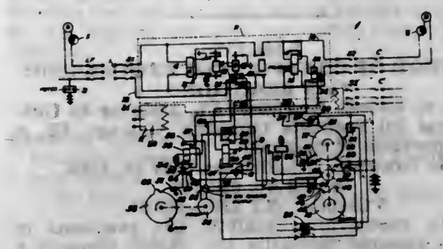


1. An unvulcanized vulcanizable article comprising a layer of a rubbery composition normally pervious to migratory staining material containing migratory staining material, and a layer in contact with said first-named layer comprising a rubbery copolymer of a major proportion of an isoolefin having from 4 to 7 carbon atoms with a minor proportion of an open-chain conjugated diolefin having from 4 to 8 carbon atoms and a vulcanizable rubber compatible with said copolymer present in an amount equal to from 1/25 to 1½ times the weight of said copolymer, each said layer containing a vulcanizing agent therefor.

2,566,330
METERING ARRANGEMENT FOR TELEPHONE SYSTEMS
Henry L. Horwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1945, Serial No. 601,096
15 Claims. (Cl. 179—7.1)

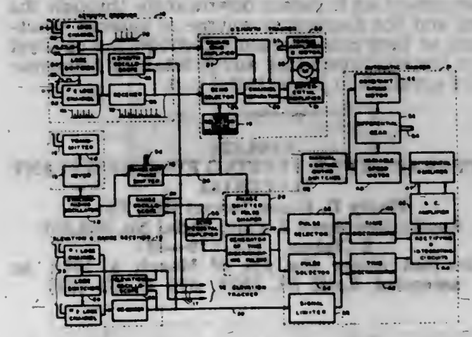
1. In a telephone system, a calling line, called lines of different tariff rates, a call meter for said calling line, a plurality of trunks for extending the calling line to a desired called line,

automatic means to seize one of said trunks under control of the calling line, means including a motor driven switching device for sending a series of operating impulses to said meter corresponding in number and characteristic to the zone in which a particular called line is located,



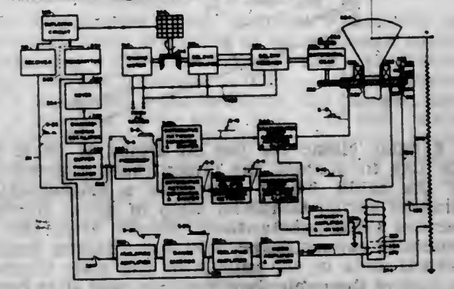
said device being common to said trunks, means responsive to the seizure of one of said trunks to start said motor in rotation, and means to stop said motor after it has caused transmission of a series of impulses corresponding in number to the particular tariff rate of the seized trunk.

2,566,331
RADAR RANGE TRACKING SYSTEM
William A. Huber, Neptune City, and William T. Pope, Jr., Asbury Park, N. J.
Application October 19, 1943, Serial No. 506,808
3 Claims. (Cl. 343—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



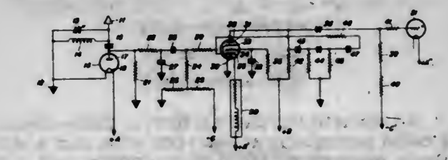
1. In a radio pulse echo locating system having means to radiate short pulses at successive intervals and to receive echoes from a remote object, means to generate secondary pulses having a rectangular wave form, a duration of the order of said radiated pulses, and a variable delay from said radiated pulses substantially equal to the time an echo from a selected object would be delayed, differentiating and shaping means to convert said secondary pulses to equal positive and negative pulses of rectangular wave form and similar duration corresponding to the edges of said secondary pulses, and ranging means including two channels providing outputs normally non-responsive to said echoes, one rendered responsive to said echoes by said positive pulses and one by said negative pulses, and means responsive to the difference in the channel outputs to correct said variable delay until such difference is eliminated.

2,566,332
PLAN POSITION INDICATING SYSTEM
William A. Huber, Neptune City, and Max Gindoff, Lakewood, N. J.
Application January 20, 1944, Serial No. 518,934
27 Claims. (Cl. 343—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In the method of determining the locations of objects detected by pulse-echo radio locator connected to a plan position indicator, those steps which include generating a full range radius vector, successively displaying the instantaneous locations of all detected objects along said vector, generating an expanded range radius vector in a direction substantially diametrically opposite to the direction of said full-range vector, and successively displaying along said expanded range vector the instantaneous locations of the objects whose ranges are within the limits of said last vector.

2,566,333
FREQUENCY SELECTIVE FEEDBACK AMPLIFIER
Robert D. Huntoon, Silver Spring, Md., assignor to The United States of America as represented by the Secretary of the Navy
Application June 24, 1946, Serial No. 678,754
1 Claim. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



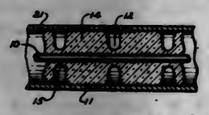
A frequency selective amplifier having an input circuit of internal impedance variable with frequency, and an output circuit, said amplifier comprising an electron tube having an anode, cathode and control electrode, a first filter network, a series resistance unit connecting said control electrode to the input circuit through said filter network whereby to pass audio frequencies only, a second filter network interconnecting at least a portion of said output circuit with said input circuit at the junction of said resistance unit and control electrode, said second filter network including at least three stages of series capacitance, shunt resistance for a first and second capacitance of said stages, and a complex shunt impedance for said capacitance of said last stage including said series resistance unit and said internal impedance whereby to provide a frequency responsive voltage divider feedback circuit wherein the frequency variable impedance of said input circuit will in part determine the amount of feedback of said amplifier.

2,566,334
CLAMP FOR CABLE DRUM CONTROLS
John J. Jamroxy, Dayton, Ohio
Application April 9, 1947, Serial No. 740,303
1 Claim. (Cl. 242—126)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A cable clamp for use on drums of cable or the like to prevent the uncontrolled unwinding of the cable, which comprises a substantially straight spring-tempered strip of metal having parallel sides, substantially parallel ends and a generally oblong shape, said strip having longitudinal slots in the middle of the ends thereof to receive the cable therethrough, said slots having parallel sides and extending a substantial distance inward from the ends thereof, an upwardly extending flange on one end of said strip and a downwardly extending flange on the other end of said strip, said flanges having a slight angular bend toward the middle point of the strip to give the flanges the ability to lock together by reason of the tendency of the metal to spring back to its original form and having the ability to be easily separated by a downward push on the radially inner end of the strip near the flange thereof to separate the flanges, whereupon said strip will spring substantially straight due to its original straightness and temper.

2,566,335
HEAT OR FLAME DETECTING ELEMENT AND ASSEMBLY
Ernest A. Joerren, Brooklyn, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey
Application November 17, 1949, Serial No. 127,953
7 Claims. (Cl. 201—63)



1. An element for use in a heat or flame detecting cable comprising at least one wire, and a continuous mass of material surrounding said wire acting as an insulator at normal temperatures and being adapted to be rendered electrically conductive at abnormally high temperatures, said mass having a plurality of longitudinally spaced peripheral inwardly extending grooves therein dividing said mass into bead-like sections and having a portion at each groove connecting adjacent sections.

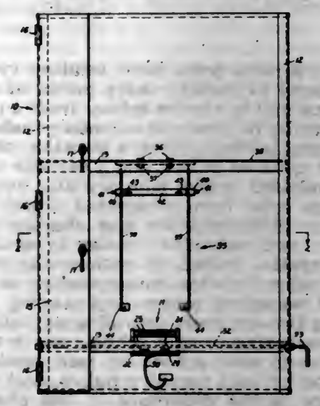
2,566,336
PREPARATION OF KETO-AMINE SALTS IN THE STEROID SERIES AND PRODUCTS
Percy L. Julian, Maywood, and Edwin W. Meyer and John W. Cole, Chicago, and Arthur Magnani, Wilmette, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application August 28, 1947, Serial No. 771,136
25 Claims. (Cl. 260—397.3)

1. The process which comprises reacting an aromatic aldehyde with a steroid amine having a hydroxy group in the 3-position and a substituent in the 17-position selected from the class consisting of the —NH_2 group and alkyl radicals containing an —NH_2 group to form a Schiff's base, oxidizing the 3-OH group to a keto group and hydrolyzing the 3-keto-Schiff's base with an acid to form a 3-keto-amine salt.

2,566,337
METHOD OF CONTROLLING EXOTHERMIC GAS REACTIONS
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 26, 1946, Serial No. 686,440
5 Claims. (Cl. 260—449.6)

1. In exothermic catalytic gas reactions in which gaseous reactants are passed through a bed of solid catalyst at conversion conditions, the method of controlling the temperature within said bed substantially constant which comprises passing through said catalyst bed countercurrently to the flow of the incoming gaseous reactants a heated liquid mixture consisting essentially of a volatile liquid component and a relatively non-volatile component, said relatively non-volatile component having an initial boiling point substantially higher than the end boiling point of the volatile component, regulating the amount of volatile liquid component in the mixture so that said component will be substantially completely vaporized during its passage through the catalyst bed and will effect the substantially complete absorption of the exothermic heat of reaction and regulating the quantity of non-volatile component in the mixture to compensate for the decreasing volatility of the volatile liquid component as it passes downwardly through the bed and the decreasing volume of gaseous reactants as they pass upwardly through the catalyst bed thereby preventing any substantial temperature gradient in the catalyst bed.

2,566,338
APPARATUS FOR TESTING FIRE-RESISTANT MATERIAL
Harry B. Kime, Drexel Hill, Pa.
Application April 8, 1946, Serial No. 660,387
2 Claims. (Cl. 219—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

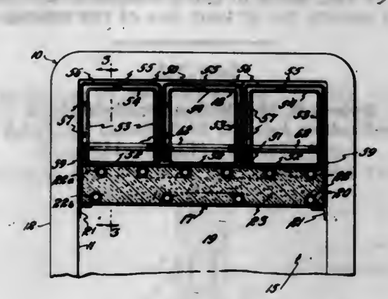


1. Material-testing apparatus comprising a housing, said housing having rectangular sides and top, one of said sides being hinged and constituting a door, a cross bar in said housing parallel to said door, parallel arms suspended from said cross bar, material-holding means slidably mounted on said arms, hooks on the lower extremities of said arms, parallel bars in said housing below said hooks, said parallel bars being parallel to said door side, an electrical heating unit on said bars, and a handle attached to said heating unit and protruding through said housing.

2,566,339
BRAZING PASTE
Louis G. Klinker, Griffith, Ind., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 27, 1949, Serial No. 107,140
8 Claims. (Cl. 148—22)

3. A substantially non-setting joining-metal paste comprising essentially: a minor amount of a synthetic polymeric heat-depolymerizable hydrocarbon gel vehicle having a Conradson carbon value below about .5%; and a major amount of joining-metal powder dispersed in said vehicle.

2,566,340
FREEZING COMPARTMENT STRUCTURE
Wilhelm Georg Kögel, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application January 27, 1948, Serial No. 4,547
In Sweden January 28, 1947
12 Claims. (Cl. 62—126)



1. In combination with a household refrigerator comprising a cabinet providing a freezing compartment having a heat conducting bottom supporting surface and means to effect cooling of such surface, said compartment having an access opening, of removable structure in said compartment which provides one or more vertical walls therein and serving as a heat conductor in heat conducting relation with said surface for transmitting cooling effect to the upper part of said compartment when in functioning relationship, said structure being insertable into said compartment through the access opening thereof to position said structure in functioning relationship with said supporting surface, and means forming a part of said structure for insulating said heat conductor from the surroundings in said compartment when said structure is positioned in said functioning relationship, the exterior surface of said last-mentioned means being in poor heat conducting relation with said heat conductor.

2,566,341
STEROID HYDROXYTHIOESTERS
Robert H. Levin, A. Vern McIntosh, Jr., and George B. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 15, 1947, Serial No. 774,174
12 Claims. (Cl. 260—397.1)

1. The process which includes: thioesterifying an unsaturated derivative of the pregnane series, containing a C 5-6 double bond and a C-20 side-chain of the formula: —$(CH_2)_n$—COX, wherein X is selected from hydroxyl and halogen, and n is selected from zero, one, and two; while simultaneously deformylating a formoxy group at the C-3 carbon atom of the pregane nucleus to a hydroxyl group by reacting the pregnane derivative with a mercaptan in the presence of an acid-binding agent.

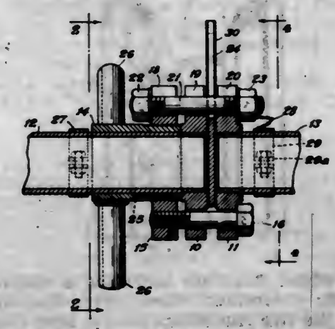
2,566,342
STEROID THIOESTERS
Robert H. Levin, A. Vern McIntosh, Jr., and George E. Spero, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application September 15, 1947, Serial No. 774,176
12 Claims. (Cl. 260—397.1)

1. A compound of the formula:



wherein ST represents a nucleus selected from the group consisting of pregnane and pregnene nuclei, which is attached to the side-chain in the 20 position; n is selected from 0, 1, and 2; and R represents a hydrocarbon radical containing up to and including 12 carbon atoms.

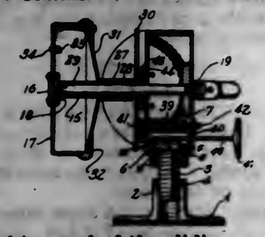
2,566,343
POSITIVE SHUTOFF DEVICE
Patty Craig Livesay, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 3, 1944, Serial No. 543,277
7 Claims. (Cl. 251—167)



1. An improvement in disc valves comprising in combination a pair of opposed conduits having adjacent flanges, a disc interposable therebetween, and means for securing the flanges in tight relation with the disc following interposition of the disc and for relatively spreading the adjacent conduit ends for interchange of discs, said means including an externally threaded sleeve mounted on one of said conduits, an annular plate threaded on said sleeve, a plurality of rigid draw members rigidly connected to said

annular plate and adapted to slidably engage the flange on the other of said conduits in a manner limiting maximum separation of said annular plate and said flange as well as relative rotation thereof, stop means on each of said conduits, one positioned to engage said sleeve and the other to engage at least one of said rigid draw members, and a latch means slidably carried in radially extending slots in said annular plate and said flanges, said latch means being removable therefrom when said conduits are parted.

2,566,344
SLIDING SPOOL FISHING REEL
George Lord, Stambaugh, Mich.
Application August 25, 1948, Serial No. 46,051
7 Claims. (Cl. 242—84.4)



1. In a fishing reel of the sliding non-rotatable spool type, the combination with a housing, a base and a bolt threaded therein, a swivel head on the bolt within the housing, and resilient means co-acting with the head and housing for retaining the latter in adjusted position, of a spool slidably supported on and exterior of the housing, a control rod pivoted to the spool and extended through the housing, and co-acting means on the rod and head for guiding the rod.

2,566,345
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application November 18, 1946, Serial No. 710,452
10 Claims. (Cl. 301—37)



1. A wheel structure including a multi-flanged tire rim, a circular wheel cover for the outer side of the tire rim comprising a trim ring member and a pair of retaining rings having cooperating respective annular groove and retaining edge formations for clampingly engaging the inner marginal portion of the trim ring member, one of said retaining ring members having means thereon for attachment to the wheel, said trim ring member having an inner marginal flange extending generally axially and flexibly connected thereto and held in flexed condition between said retaining ring members within the groove formation by the edge formation.

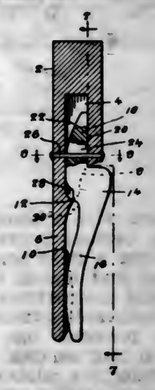
2,566,346
ELECTROCONDUCTIVE PRODUCTS AND PRODUCTION THEREOF
William O. Lytle and Albert E. Junge, New Kensington, Pa., assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application September 8, 1948, Serial No. 48,325
12 Claims. (Cl. 117—54)

1. A method of prividing a glass base with an electroconductive coating which comprises heating the base to a temperature above about 400° F. but below the temperature at which the glass becomes molten and applying to the hot base an aqueous solution containing a tin compound and an ionizable fluoride.

2,566,347
SILICON ACYLATES
Charles A. MacKenzie, East Orange, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application April 17, 1946, Serial No. 662,913
16 Claims. (Cl. 260—448.8)

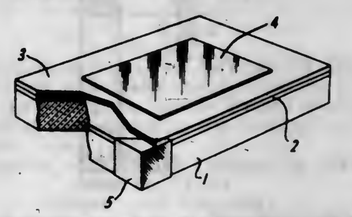
1. The method of making reaction products including silicon tetraacylate which comprises contacting at a temperature between room temperature and refluxing but below that of decomposition of the tetraacylate, silicochloroform with a compound selected from acids having the formula RCOOH where R is selected from the group consisting of alkyl and monocyclic aryl radicals, and salts of said acids in the presence of an organic liquid solvent for at least one of the reactants.

2,566,348
CLOTHESPIN
Robert E. MacMillan, Baldwin, N. Y.
Application July 22, 1947, Serial No. 762,558
4 Claims. (Cl. 24—137)



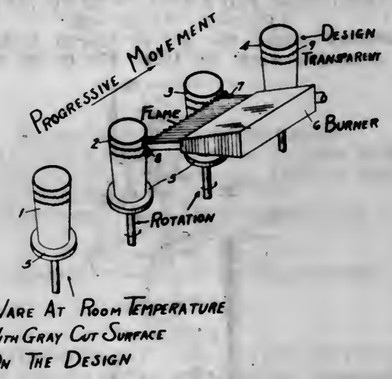
1. A clothes pin comprising a fixed member having an interior recess and an extension, a movable member means having an offset extension thereof slidable in the recess, and provided with a curved edge portion and a transverse slot extending through the curved edge portion, a curved handle portion on the lower end of said movable member, means passing through the slot in said fixed member and said offset extension for pivotally and slidably securing the movable member to the fixed member, said offset extension limiting pivotal movement of the movable member when the offset extension is fully slid into the recess to clamp the movable member against the fixed member extension, a projection extending transversely of the fixed member below the means for pivotally securing the movable member to the fixed member adjacent the lower end of the curved edge portion of the offset extension, and a lug on the lower end of the movable member adjacent the curved edge portion of the offset extension, said projection being adapted to engage said lug to prevent accidental movement of said movable member.

2,566,349
ELECTROLUMINESCENT LAMP
Eric L. Mager, Peabody, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application January 28, 1950, Serial No. 141,050
5 Claims. (Cl. 313—358)



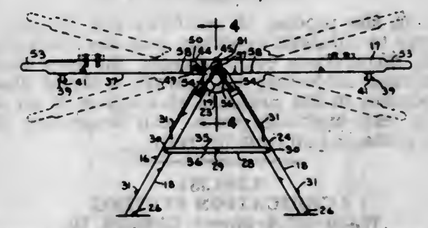
1. An electroluminescent lamp comprising a light-transmitting electrically-conductive layer, a layer thereover of a field-responsive phosphor in a light-transmitting non-acidic insulating dielectric material, and an electrically-conductive layer thereover.

2,566,350
METHOD OF FLAME POLISHING THE GRAY CUT SURFACE OF ORNAMENTAL DESIGNS IN GLASS
William A. Meier, Rochester, Pa.
Application September 4, 1947, Serial No. 772,225
1 Claim. (Cl. 49—77)



The continuous process of polishing the finite irregularities making up the translucent gray cut surface of an ornamental design on glass ware which consists in providing a controlled flame along a continuous path and of sufficient heat intensity to melt the finite parts making up the gray cut surface and of a width corresponding to the width of the gray cut surface of the design, introducing and progressively moving the glass ware at room temperature along the continuous path in direct impingement of the flame at the full width only of the gray cut surface of the ornamental design, rotating the glass ware while progressively so moving it through the flame, retaining the glass ware along its progressive rotary movement in direct impingement of the flame for a sufficient length of time only to melt the finite parts making up the gray cut surface of the ornamental design to polish it transparent, whereby the ornamental portions of the article are flame polished without materially heating the remainder of the glass ware.

2,566,351
RESUSCITATION APPARATUS
James H. Meuler, Oconomowoc, Wis.
Application June 16, 1947, Serial No. 754,999
15 Claims. (Cl. 128—29)



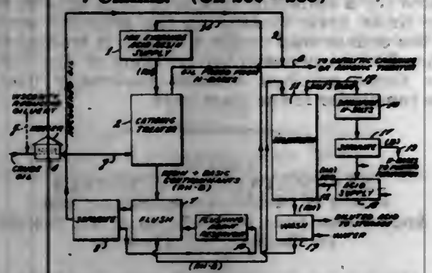
1. In a resuscitation apparatus, the combination of a collapsible fixed support comprising leg members pivotally connected together at one of their ends in pairs and the pairs collapsibly cross connected, collapsible means for holding the other ends of the legs of each pair in spread apart condition, and a stretcher comprising longitudinal side frame members and a body carrying top, and means for detachably pivotally mounting said stretcher intermediate its ends on said fixed support.

2,566,352
COMPOUNDS WITH CONJUGATED DOUBLE BONDS, THEIR OXIDATION PRODUCTS, AND PROCESS FOR PREPARING SAME
Charles Meystre, Basel, Placidus A. Plattner, Zurich, and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application April 22, 1947, Serial No. 743,190. In Switzerland April 30, 1946
7 Claims. (Cl. 260—239.57)

1. In a process for the preparation of compounds with at least three conjugated double bonds, the steps of treating an olefin of the steroid series containing a system of conjugated carbon-carbon double bonds in a side-chain in the 17-position thereof and having, in α-position to the conjugated system a member of the group consisting of methylene and methine radicals and also having an acyloxy group in the 3-position with a member of the group consisting of an N-halogenated carboxylic acid imide, an N-halogenated carboxylic acid amide and an N-halogenated carboxylic acid arylamide, while exposing the reactants to the action of strong light, and splitting off hydrogen halide from the resultant halogen compound.

5. Compounds of the steroid series, containing at least three conjugated carbon-carbon double bonds, at least one of which is in the side-chain in the 17-position, and also containing an acyloxy group in the 3-position.

2,566,353
PURIFICATION OF OILS
George Alexander Mills, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application August 4, 1948, Serial No. 42,391
7 Claims. (Cl. 260—283)



1. In the process of purifying oils for use as charge to catalytic cracking, said oils containing basic nitrogenous contaminants, the step which comprises subjecting such an oil in liquid phase to contact in the presence of water with an organic base-exchange resin, and separating the thus contacted oil from the resin.

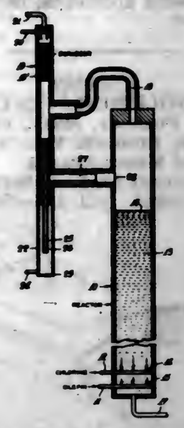
2,566,354
LUBRICATION FITTING
Woodruff A. Morey, Chicago, Ill.
Application February 1, 1945, Serial No. 575,723
3 Claims. (Cl. 184—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A grease lubrication fitting for receiving grease from a high pressure gun comprising, in combination, a grease impermeable body having a grease conducting opening extending longitudinally therethrough, said body including at one end thereof a nipple portion receivable by a high pressure grease gun, means in said opening for preventing reverse flow of grease therethrough, a coupling connecting said body at the other end thereof to a second grease impermeable body having a grease conducting opening therein extending longitudinally therethrough in axial alignment with said opening in the first mentioned body, and a grease non-reactive porous grease filter plug capable of withstanding pressure of a high pressure grease gun and consisting of treated powdered metal with only minute grease conducting passages extending therethrough composed of naturally formed tortuous inter-communicating passageways, said plug being rigidly secured in said second body in said opening therein and disposed substantially coextensive laterally with the latter, permitting passage of grease through said minute passages only.

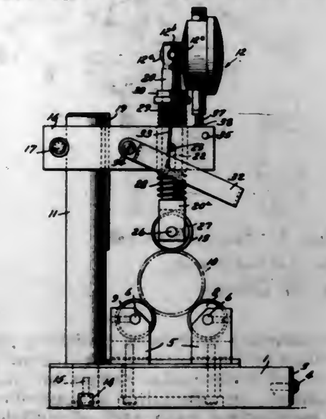
2,566,355
PROCESS OF PREPARING OLEFIN CHLOROHYDRINS
Max Needham, Pleasantville, N. Y., assignor to Jefferson Chemical Company, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1948, Serial No. 37,924
19 Claims. (Cl. 260—634)

1. The process of preparing an olefin chlorohydrin from an olefin of the group consisting of ethylene, propylene and mixtures of ethylene and propylene, which comprises diffusing a stream of said olefin containing at least 50 mol percent of said olefin and chlorine into a body consisting of an aqueous solution of hypochlorous acid and other reaction products resulting from the reaction of chlorine and water while adding water to said body of hypochlorous acid, the chlorine and olefin being thus diffused in amounts



such that not more than an excess of 30% of the olefin over the amount required to react with the chlorine to produce olefin chlorohydrin is introduced into said body, maintaining the concentration of olefin dichloride in the zone of said body into which said chlorine and olefin are diffused such that a separate liquid phase of olefin dichloride does not form in said zone, and withdrawing the solution of olefin chlorohydrin thus produced from said body.

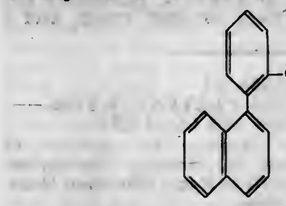
2,566,356
ROLL GAUGE FOR GAUGING EXTERNAL SCREW THREADS
Jacob H. Niper, Hackettstown, N. J.
Application July 8, 1947, Serial No. 759,680
3 Claims. (Cl. 33—199)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a screw thread gaging instrument, a normally horizontal base, first and second ridged backing rolls, means mounting said rolls on said base on normally horizontal, horizontally-spaced parallel axes, a post fixed to said base and rising therefrom, a plate carried by said post for vertical adjustment therealong, a normally vertical shaft mounted upon said plate for axial translation only in a normally vertical plane between and parallel with the axes of said backing rolls, a dial indicator having an actuating contact and fixed to the upper end of said shaft, a third threaded gaging roll journaled upon the lower end of said shaft for movement with said shaft and gage in a first direction toward said backing rolls, first spring means urging said shaft in said first direction, second spring means stronger than said first spring means and adapted to urge said shaft in a second direction opposite to said first direction, and means pivoted on said plate and manually operable to compress said second spring means to free said shaft completely to the action of said first spring means, the actuating contact of said dial indicator contacting said plate for operation by relative vertical translation of said shaft relatively to said plate.

2,566,357
SYNTHESIS OF DI-ARYL CYCLIC ETHERS
Milton Orchin and Elkin Oscar Woolfolk, Pittsburgh, Pa., assignors to the United States of America as represented by the Secretary of the Interior
No Drawing. Application February 28, 1949, Serial No. 78,884
5 Claims. (Cl. 260—335)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the preparation of benzoxanthene comprising the step of dehydrogenating a compound of the formula



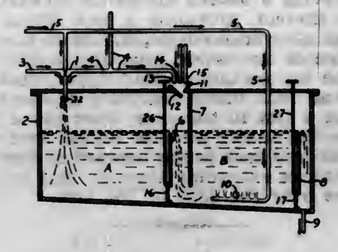
wherein the 2- and 8-positions in the naphthalene nucleus are unsubstituted by heating said compound in the liquid phase in the presence of a dehydrogenation catalyst.

2,566,358
ANDROGENIC COMPOSITIONS
Arnold C. Ott, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application June 6, 1949, Serial No. 97,485
5 Claims. (Cl. 167—74)

5. Testosterone beta-cyclopentylpropionate.

2,566,359
CONTINUOUS SAPONIFICATION OF FATS
Ronald Vincent Owen, Sale, England, assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application January 18, 1947, Serial No. 722,794
In Great Britain January 21, 1946
8 Claims. (Cl. 260—413)

1. A continuous process of saponifying fat which comprises continuously and rapidly mixing a continuous stream of liquid fat with a continuous stream of saponifying agent to emulsify intimately and substantially instantaneously the fat and saponifying agent in said streams and form a continuous stream of emulsified fat and saponifying agent, the proportion of saponifying agent in relation to the proportion of fat in said initial streams being up to about the amount stoichiometrically required to saponify completely the fat in said fat stream and the temperatures of said initial streams of fat and saponifying agent being adjusted to give the continuous stream of emulsified materials an initial temperature below the boiling point; continuously introducing said stream of emulsified materials into a quiescent incubation zone containing an emulsion of unsaponified fat and saponifying agent, and self-saponified fat, wherein the proportion of self-saponified fat to unsaponified fat and saponifying agent increases toward the surface of the contents in the incubation zone and the temperature increases gradually from below the



boiling point at the bottom to approach the boiling point of the contents at the surface, the freshly introduced stream of emulsified fat and saponifying agent falling to the bottom of the incubation zone, reacting exothermically to saponify at least a major portion of said fat, and rising gradually and continuously to form a surface layer of emulsion wherein up to 100% of the fat is in a self-saponified state, the balance of the fat being unsaponified and occluded in said layer together with any unreacted saponifying agent, the rate of entry of the continuous stream of emulsified materials being adjusted to the volume of the quiescent incubation zone to permit undisturbed self-saponification of at least the major portion of the fat in said incubation zone; and continuously withdrawing from the surface of the contents in the quiescent incubation zone, by overflow, a thin stream of said surface layer.

2,566,360
AMINOALKYL ETHERS OF PYRIDYL ALKYLENE ARYL COMPOUNDS
Domenick Papa, Brooklyn, N. Y., and Nathan Sperber, Bloomfield, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application August 30, 1948, Serial No. 46,923
9 Claims. (Cl. 260—294.7)

1. Compounds of the group consisting of bases of the general formula

$$[R—X—R'] OR''$$

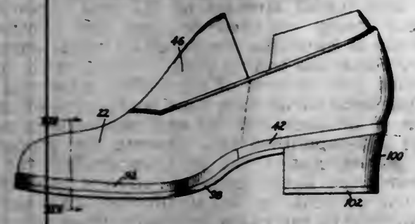
wherein R is a pyridyl ring, R' is a benzene ring, X is a bivalent aliphatic hydrocarbon group of 1 to 3 carbon atoms, R'' is selected from the group consisting of dialkylaminoalkyl and piperidinoalkyl radicals, and OR'' is attached to one of the rings R and R', and the acid salts thereof.

2,566,361

METHOD OF MAKING CLOSED END SHOES

Benjamin F. Parrelli, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application June 11, 1948, Serial No. 32,313
12 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which includes the steps of providing an upper having a lasting allowance forward of the tip line thereof, providing a sock lining having a lasting allowance corresponding to the lasting allowance of the upper, providing a lining in at least the toe portion of said upper, uniting the upper and sock lining rearward of the tip line, inserting a last in the shoe, inserting a toe box between the upper and its lining, and uniting the upper and sock lining forward of the tip line by fastenings extending through said lasting allowances near the edge of the last.

2,566,362

HARDENING AND DECOLORIZING GLYCERIDE OILS WITH NICKEL-ALUMINA-SILICA CATALYSTS

William J. Paterson, Newton Highlands, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

No Drawing. Application November 1, 1947, Serial No. 783,620
7 Claims. (Cl. 260—409)

1. A process for hydrogenating and decolorizing refined, dark colored glyceride oils to form edible products having a minimum of unsaponifiable components and having acceptable improved color and stability, which comprises treating the oil at a temperature in the range of 100° to 200° C. with hydrogen at a pressure in the range of 1 to 3 atmospheres absolute, in the presence of a non-colloidal, particulate, nickel-alumina-silica catalyst containing an amount of nickel in the range of 15.0 to 50.0% and an equivalent alumina and silica content in the range of 4.0 to 15.0 Al_2O_3 formula weights per 45 SiO_2 formula weights, obtained by reducing a coprecipitated precursor, the amount of catalyst used being such as to contain an amount of nickel in the range of 0.02 to 0.30% Ni based on the weight of the oil, said catalyst being readily and substantially completely removable from the hydrogenated and decolorized oil by filtration.

2,566,363

TERTIARY ALKOXY AMINO SILANES

George Wesley Pedlow, Jr., Easton, Pa., and Carl Shelley Miner, Jr., Evanston, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application April 22, 1946, Serial No. 663,946
15 Claims. (Cl. 260—448.8)

1. An organic compound of silicon having both hydrolyzable nitrogen groups and relatively non-hydrolyzable carbinoxy groups attached to silicon, each hydrolyzable nitrogen group on hydrolysis thereof forming a non-acidic reaction product.

2,566,364

METHOD FOR PREPARING ORGANIC POLYSILICATES STABLE AGAINST HYDROLYSIS

George Wesley Pedlow, Jr., Easton, Pa., and Carl Shelley Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application June 15, 1946, Serial No. 677,097
3 Claims. (Cl. 260—2)

3. A process for the manufacture of polymeric esters of silicic acid which includes the step of reacting a tertiary-carbinoxy polyhalogenosilane with water in non-acidic medium, the halogen atoms being hydrolyzable to produce a silicon compound substantially free of halogen.

2,566,365

ORGANIC ORTHOSILICATES STABLE AGAINST HYDROLYSIS

George Wesley Pedlow, Jr., Easton, Pa., and Carl Shelley Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application June 15, 1946, Serial No. 677,098
5 Claims. (Cl. 260—448.8)

1. An orthosilicate having the formula

$$(RO)_xSi(OR')_{4-x}$$

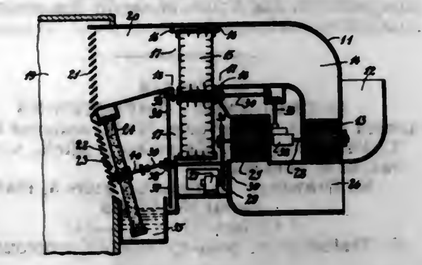
in which R represents any monovalent tertiary carbinyl group and in which R' represents any monovalent non-tertiary carbinyl group, and x is 1 to 3.

2,566,366

HUMIDIFICATION PREVENTER FOR ANHYDROUS AIR COOLERS

Neal A. Pennington, Tucson, Ariz., assignor of one-fifth to Robert H. Henley, Tiptonville, Tenn., and one-fourth to Roger Sherman Hoar, South Milwaukee, Wis.

Application July 21, 1948, Serial No. 39,932
9 Claims. (Cl. 62—139)



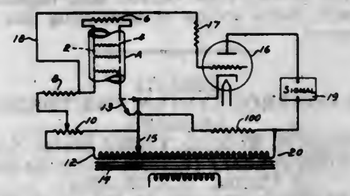
1. An air-conditioning unit, comprising: two air-passages; an air-permeable evaporative-liquid-holding pad, extending across the first passage; means to continuously supply evaporative liquid to this pad; a pad comprising sectors of air-permeable non-hygroscopic highly heat absorbent material, this pad being rotatably mounted in such manner as to carry each sector successively across each of the two passages; means for impelling a stream of air in the first passage, first through the evaporative-liquid-holding pad and then through the non-hydroscopic pad, whereby this first stream of air may be first cooled by evaporation and then may cool the non-hygroscopic pad; and means for impelling air in the second passage through the non-hygroscopic pad, whereby this second stream of air may be cooled by the non-hygroscopic pad, and may then pass into the space to be conditioned; this air-conditioning unit being characterized by the fact that the top of the evaporative-liquid-holding pad is appreciably tilted from the vertical toward the side from which the air enters the pad.

2,566,367

TEST CIRCUIT FOR TEMPERATURE RESPONSIVE SYSTEMS

Melville F. Peters, East Orange, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey

Application August 16, 1949, Serial No. 110,648
2 Claims. (Cl. 177—311)



1. Testing means for an electrical system comprising a source of voltage, a variable resistor having substantially infinite resistance at normal temperatures and a finite resistance at a higher temperature and a fixed resistance connected in series with the variable resistance and both connected as a bridge across said source of voltage, an operating circuit, and means operable upon reduction of the resistance of the variable resistance to a value having a known relation to the fixed resistance at the voltage of said source to energize said operating circuit, said testing means comprising a fixed test resistance connected in parallel with the variable resistance, and means for disconnecting the parallel-connected resistances from said source of voltage and connecting them and the fixed resistance as a bridge across a second source of voltage of such magnitude that at the voltage of the second source the relation of the parallel-connected test resistance to the fixed resistance is approximately the same as the relation of the variable resistance to the fixed resistance necessary to energize the operating circuit when said resistances are connected across the first source of voltage.

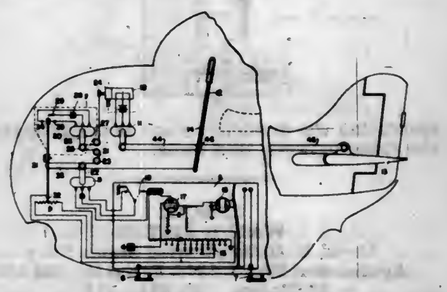
2,566,368

RADIO ALTIMETER TRIMMER

John H. Furl, United States Navy

Application October 11, 1946, Serial No. 702,568
8 Claims. (Cl. 244—77)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

8. In apparatus of the character disclosed for use on aircraft having a stick and altitude control surface operatively connected thereto and controlled therefrom, in combination, automatic pilot means for said control surface having gyroscope means including normally open electrical contacts, said automatic pilot means being of the type in which cable means interconnecting said stick and gyroscope means is employed to readjust the contacts to open position after the automatic pilot has corrected the aircraft for undesired changes in attitude, altimeter means in which a reversible trim motor and follow-up potentiometer having a slider are employed, said altimeter means having the trim motor operatively connected to the slider of said potentiometer and to said cable means for automatically regulating the altitude of the aircraft, and additional servomotor means operatively connected



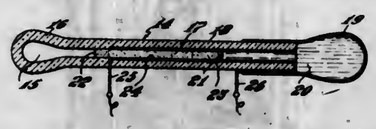
to and controlled by movement of said slider, said additional servomotor means being operatively connected to said cable means for automatically readjusting the length of the path of travel of said cable means whereby to recenter said potentiometer slider upon the completion of a change in the altitude of said aircraft.

2,566,369

PRESSURE GAUGE

Henry M. Putman, Boston, Mass.

Application January 23, 1946, Serial No. 642,842
4 Claims. (Cl. 201—48)



1. A pressure measuring device comprising a capillary tube having electrically non-conductive walls, which is connected at one end to an otherwise closed chamber, having rigid walls, and to an otherwise closed chamber, having pressure-deformable walls, at the other end, and characterized by having a compressible gas in the rigid walled chamber, a non-gas-forming liquid in the pressure-deformable walled chamber, and an electrically conductive non-gas-forming liquid in the capillary tube, immiscible with the first liquid, the meniscus between the two liquids being within the capillary tube, and the inner surface of the capillary tube being formed of an electrically conductive metal, with electrically conductive leads passing therefrom to the outside of the device for measurement of the combined electrical conductivity of the liquids within the capillary tube, at any position of the separating meniscus between them.

2,566,370

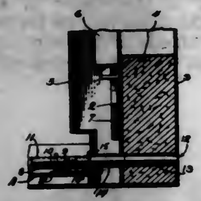
SAFE

Charles B. Quinn, Dayton, Ohio

Application March 10, 1947, Serial No. 733,707
7 Claims. (Cl. 312—333)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

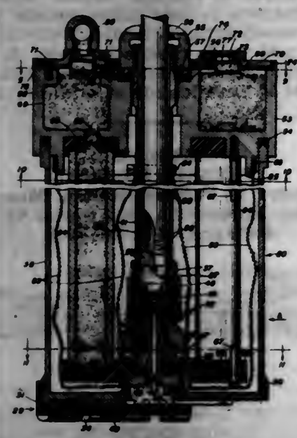
1. The combination with a safe drawer provided with spaced vertical walls at its front end to provide a lock compartment, a locking bolt in the compartment and a removable divider rod

extending from the exterior of the drawer and across the space between said walls, of means for



separating the divider rod and bolt and spanning the space between said walls.

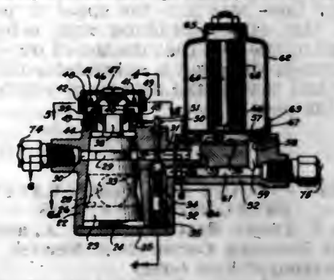
2,566,371
WATER FILTER
David H. Quinn, United States Navy
Application May 3, 1946, Serial No. 666,939
17 Claims. (Cl. 210—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



14. A liquid purification apparatus comprising a main casing having an inlet and outlet, at least one tube having a permeable wall and a closed end positioned inside said casing and adapted to filter liquid through said wall, a connecting channel between the tube exterior and casing inlet, a first filter mass adjacent said outlet, a secondary casing of impervious material having perforated walls enclosing said first filter mass, a channel intermediate the open end of said tube and said secondary casing, and a second filter mass in said tube and channel.

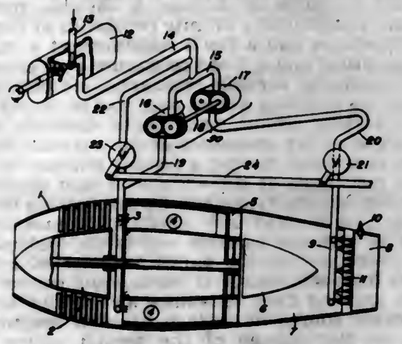
2,566,372
SAFETY SHUTOFF CONTROL SYSTEM FOR GAS BURNERS
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application May 11, 1946, Serial No. 669,037
12 Claims. (Cl. 158—117.1)

1. In a burner control system: a main burner; a conduit for supplying gas to said main burner; a manually operable valve in said conduit for controlling flow therethrough; means for operating said manually operable valve; a pilot burner for igniting said main burner; a supplementary valve for temporarily supplying gas to said pilot burner and operable to open position by said operating means only while the manually operable valve is in position to obstruct flow to the main burner, said supplementary valve being biased to closed position and capable of supplying gas only while the operating means is manu-



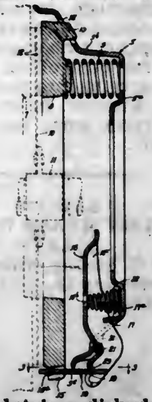
ally held; and valve means opening in response to the flame of the pilot burner and capable only while said flame exists of supplying gas to the pilot burner.

2,566,373
FUEL CONTROL SYSTEM FOR TURBOJET ENGINES
Edward M. Redding, United States Navy
Application January 10, 1946, Serial No. 640,293
7 Claims. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A reaction motor having a first stage combustion chamber providing gases for driving a turbine, and one or more additional stage combustion chambers for additional power generation, a fuel injector for each of said chambers, a governor controlled fuel metering means for supplying fuel under pressure at a controlled rate, a distribution system between said metering means and said injectors, including a proportional fuel divider means operated in response to said fuel pressure, a supply conduit from said metering means to said divided means, a fuel delivery line for delivering one portion of the fuel from said divider means to the first stage fuel injector, a second fuel delivery line for delivering the remainder of the fuel from said divider means to the remaining fuel injectors, a by-pass conduit from said supply conduit to said first delivery line, cut-off means in said by-pass conduit and in said second fuel delivery line, and control means for operating said cut-off means simultaneously so that when one is open the other is closed, whereby all the fuel may be selectively delivered either directly through said by-pass conduit into said first stage injector or proportionally through said divider means and said delivery lines into said first and additional stage injectors, irrespective of the rate of the total fuel supply.

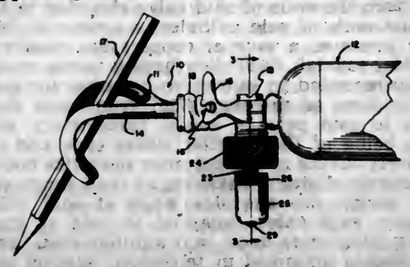
2,566,374
CLUTCH LEVER MOUNTING
Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 13, 1948, Serial No. 20,651
5 Claims. (Cl. 192—99)



1. In a friction clutch, a dished cover having a forwardly extending side wall for attachment to a driving element, said side wall having an opening therein and the region radially outward from said opening being arched away from the driving element; a spring-packed pressure plate within said cover; a clutch release lever having longitudinal side flanges and arranged with its major portion between said pressure plate and cover and with its flanges close to the sides of said cover opening; a foot portion on said lever projecting radially outside said cover through said opening; a curved region bulging rearwardly away from said cover on said foot portion; a lug on said pressure plate projecting through said cover arched region and having a recess therein; a force-transmitting link extending from said pressure plate lug through said cover arched region, said link having a first edge seated in said lug recess and having a second edge in line contact with said curved foot region of the lever for effecting a rolling fulcrum movement of said lever with respect to said link; seats integral with said cover defined by an inwardly notched region in said cover side wall at each radial side of said opening; a pin cooperatively associated with said seats and with the forward inner surface of said curved region of the lever foot, said pin spanning said opening and having limited rolling contact with said seats to fulcrum said lever; a coiled expansion spring interposed between said cover and the radially inner portion of said lever; a stub on said lever between the flanges thereof and entered in said spring; and a tongue projecting inward from said cover at a location radially outward from said spring, said stub and tongue defining restraining means to maintain said spring against dislodgement, and the inner region of said tongue lying between the flanges of said release lever for preventing sidewise movement of said lever.

2,566,375
SUPPORT FOR PROSTHETIC HANDS
Samuel S. Rocklin, Washington, D. C.
Application July 6, 1950, Serial No. 172,369
3 Claims. (Cl. 3—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

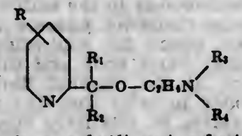
1. In a device of the character disclosed for use by an amputee, in combination, a prosthetic hand comprising a pair of gripping members, means for pivotally supporting said gripping members, means for continually urging said members into gripping relation about a writing implement, a supporting member secured to said pivoted sup-



port and having a smooth rounded surface portion at one extremity thereof for slideably engaging a writing surface, and means on said supporting member for adjusting the position of said rounded surface portion with respect to said writing implement.

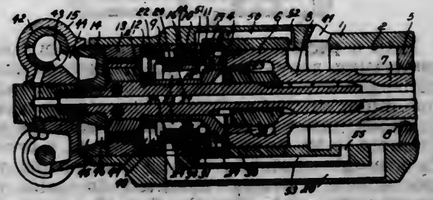
2,566,376
BETA-TERTIARY AMINOETHANOL ETHERS OF DIARYL PYRIDYL CARBINOLS
Robert S. Shelton, Mariemont, and Charles H. Tilford, Silverton, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application November 23, 1949, Serial No. 129,181
2 Claims. (Cl. 260—247.7)

1. The compounds of the generic formula



in which R is a substituent selected from the group consisting of the hydrogen atom and the methyl and ethyl radicals, R_1 and R_2 are aryl radicals selected from the group consisting of the phenyl radical and tolyl, chlorophenyl and methoxyphenyl radicals, and R_3 and R_4 are radicals selected from the group consisting of methyl and ethyl radicals, and in which R_3 and R_4 are joined to form with the nitrogen atom to which they are directly linked a radical selected from the group consisting of the piperidyl and morpholyl radicals.

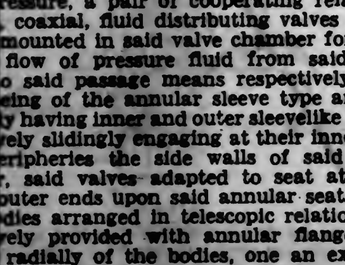
2,566,377
PRESSURE FLUID MOTOR
Frank E. Sinclair, Endwell, N. Y., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application October 17, 1944, Serial No. 559,085
12 Claims. (Cl. 121—19)



1. A pressure fluid motor comprising, in combination, a cylinder, a piston reciprocable in said

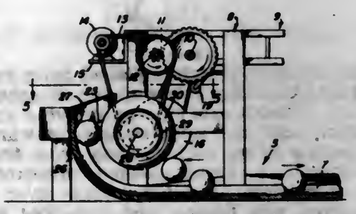
cylinder, and fluid distribution means for said cylinder comprising means forming a valve chamber having concentric side walls and opposed end surfaces providing annular valve seats, passage means respectively adapted to conduct pressure fluid from the ends of said valve chamber to the opposite ends of said cylinder, a source of fluid under pressure, a pair of cooperating relatively movable, coaxial, fluid distributing valves reciprocably mounted in said valve chamber for controlling flow of pressure fluid from said fluid source to said passage means respectively, said valves being of the annular sleeve type and respectively having inner and outer sleevelike bodies respectively slidingly engaging at their inner and outer peripheries the side walls of said valve chamber, said valves adapted to seat at their remote outer ends upon said annular seats, said valve bodies arranged in telescopic relation and respectively provided with annular flanges extending radially of the bodies, one an external flange at the outer periphery of the inner valve body and the other an internal flange at the inner periphery of the outer valve body, the inner valve body having its inner end movable into abutting engagement with the oppositely facing surface of the internal flange of the outer valve body in certain positions of said valves, said supply source communicating with the ends of said valve chamber exteriorly of the remote outer end surfaces of said valves, said valves when seated upon said annular seats cutting off communication of said supply source with said passage means, relatively restricted passage means connecting said supply source with said valve chamber between said valves for subjecting the inner end of the inner valve body and the oppositely facing surface of the internal flange of the outer valve body continuously to the action of pressure fluid, and valve-throwing passage means controlled by said piston for subjecting the inner end of the outer valve body and the oppositely facing surface of the external flange on said inner valve body to valve throwing pressure for urging said valves in relatively opposite directions toward their seats.

2,566,378
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application March 29, 1945, Serial No. 585,449
10 Claims. (Cl. 121—19)



1. In a pressure fluid motor, the combination comprising a cylinder, a piston reciprocable in said cylinder, and fluid distribution means for the motor including means providing a valve chamber, motor passages leading from the valve chamber to the opposite cylinder ends, a pressure fluid supply chamber, a fluid distributing valve mechanism movably mounted in said valve chamber for controlling the flow of pressure fluid from said supply to said motor passages, said valve mechanism surrounding said supply chamber and including a pair of cooperating relatively movable fluid distributing valves, each valve in one position thereof adapted to exert a force on the other valve to hold the latter closed, means for conducting pressure fluid from an external source through said valve mechanism to said fluid supply chamber, including ports in said valves through which fluid is conducted to said internal fluid supply chamber, and means controlled by the piston for controlling the movements of said distributing valve into their different operating positions without interrupting fluid flow through said valve ports to said internal fluid supply chamber.

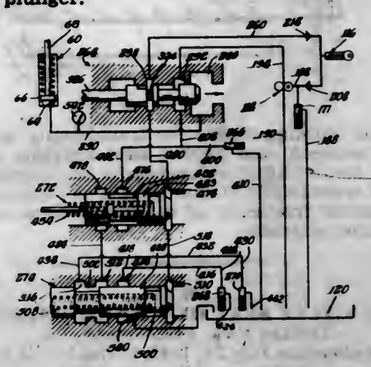
2,566,379
BALL RETURN MEANS FOR BOWLING ALLEYS
Earl G. Strong, Milan, Ohio
Application February 10, 1949, Serial No. 75,728
1 Claim. (Cl. 273—49)



In a bowling alley having a floor, a ball return trough along one side of the floor, said trough having an upwardly extending arcuate extension at its rear end, a supporting structure at the pin end of the alley, a transverse check roller journalled in the supporting structure above the rear end portion of the floor, a transverse plate pivoted at its lower edge and disposed at the rear end of the floor behind said check roller, yieldable means acting to swing the plate toward and to a position close to the check roller, a rearwardly sloping ball delivery platform slidable on the supporting structure and hinged to the top of said plate, said platform being inclined laterally to the upper end of said extension of the ball return trough, an oblique guide rail on the platform for leading the balls on the platform laterally and rearwardly to the trough extension, a ball-propelling friction wheel journalled on the supporting structure concentric with and in front of said trough extension, said friction wheel having a resilient ball-engaging tire, and means for driving said friction wheel and said check roller to elevate balls onto said platform between said roller and said plate and to deliver them from between said extension and said friction wheel through said trough to the players' end of the alley.

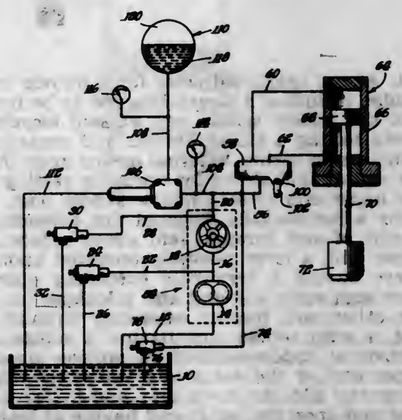
2,566,380
VARIABLE PRESSURE FLUID CONTROL CIRCUIT
Ernest J. Svenson, Rockford, Ill., assignor, by mesne assignments, to Odin Corporation, Chicago, Ill., a corporation of Illinois
Original application August 2, 1940, Serial No. 349,841, now Patent No. 2,358,361, dated September 19, 1944. Divided and this application September 13, 1944, Serial No. 553,941
20 Claims. (Cl. 60—52)

1. A pressure control system comprising an element responsive to fluid pressure, a fluid control circuit, means interconnecting said element and said circuit whereby to control said element in accordance with pressure conditions within said circuit, a control mechanism including a control valve for applying a plurality of selected fluid pressures to said circuit, and timing means for controlling the cycle of operation of said control mechanism, said timing means comprising said valve, a shiftable fluid operated plunger, and means for variably adjusting the effective stroke of said plunger.



6. In a material working apparatus, a fluid actuator, a fluid circuit for supplying fluid to said actuator, a plurality of individually adjustable pressure determining means associable with said circuit to control the pressure conditions within said actuator, fluid operated means having parts thereof selectively operable at different pressures for rendering the pressure determining devices effective in a preselected sequence, and means for adjustably varying the speed of operation of said fluid operated means.

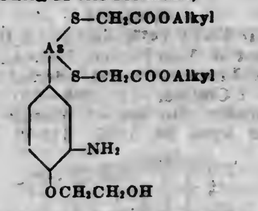
2,566,381
ACCUMULATOR SYSTEM AND CONTROL
Ernest J. Svenson, Rockford, Ill., assignor to Odin Corporation, Chicago, Ill., a corporation of Illinois
Application November 22, 1944, Serial No. 564,652
16 Claims. (Cl. 103—223)



2. An accumulator liquid control system for effecting the operation of a liquid pressure responsive actuator, said system comprising lower and higher pressure pumping means successively operable upon liquid for supplying liquid under pressure, relief valves associated respectively with each of said pumping means, circuit connections for interconnecting the actuator and said pumping means to effect the shifting of the actuator, an accumulator comprising a gas under pressure and a reservoir of liquid compressed thereby, normally open valve means interconnecting said circuit connections and the accumulator, and means controlled by the pressure in said circuit connections for effecting the closing of said valve means when the pressure in said circuit connections drops below a predetermined amount.

2,566,382
ARSENICAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Leon A. Sweet and Edward W. Tillitson, Grosse Pointe, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 17, 1947, Serial No. 774,676
6 Claims. (Cl. 260—440)

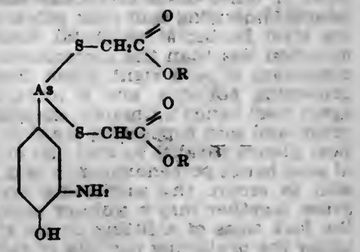
1. A compound of the formula,



and non-toxic acid addition salts thereof, where alkyl contains 6 to 12 carbon atoms.

2,566,383
ARSENICAL COMPOUNDS AND METHODS FOR OBTAINING THE SAME
Edward W. Tillitson, Grosse Pointe, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 17, 1947, Serial No. 774,677
9 Claims. (Cl. 260—404)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is an alkyl radical containing 6 to 12 carbon atoms inclusive.

2,566,384
SELF-SEALING ARTICLE
Joseph M. Tilton, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 16, 1947, Serial No. 748,553
9 Claims. (Cl. 152—347)

1. A laminated article comprising a layer of material susceptible to permanent puncture and adhered to said layer in face-to-face relation a layer of a self-sealing composition comprising a

rubbery copolymer of a major proportion of an isoolefin having from 4 to 7 carbon atoms with a minor proportion of an open-chain conjugated diolefin having from 4 to 8 carbon atoms, said



rubbery copolymer being partially vulcanized by heating with from 0.3% to 0.6% by weight of sulfur available for vulcanization based on the weight of said copolymer for 4 to 45 minutes at 250° to 340° F.
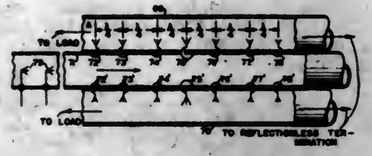
2,566,385
PACKAGED UNIT FOR ARTICLE HANDLING
Ernest W. Van Patten, McLean, Va.
Application January 22, 1947, Serial No. 723,471
2 Claims. (Cl. 206—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A weighty package for economical shipment without the use of a pallet consisting of, a plurality of boxes arranged in juxtaposition to form a right prism, a first set of spaced apart steel bands intimately disposed in parallel vertical planes about said prism to tie the boxes together in one direction, a second set of spaced apart steel bands surrounding said prism in respective spaced vertical planes normal to the planes formed by said first set of steel bands to tie the boxes together in a second direction, a supporting layer of other boxes of similar shape subjacent to and underlying said right prism, said supporting layer having a horizontal dimension in one direction less than the corresponding horizontal dimension of said right prism thereby forming projecting portions, and a plurality of spaced apart steel bands intimately encircling said right prism and said supporting layer in parallel vertical planes parallel to that one of the said sets of steel bands perpendicular to said lesser dimension to secure the supporting layer and right prism together into a unitary package, whereby the fork tines of a lifting device may be placed under the projecting portions of said right prism to lift and transport said package.

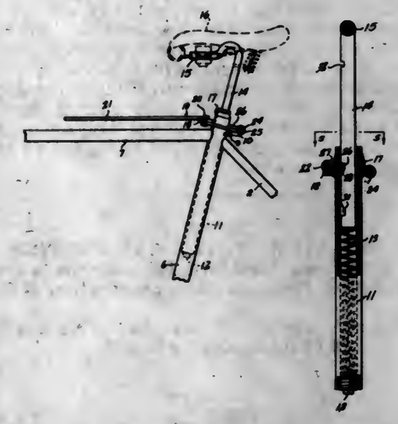
2,566,386
FREQUENCY AND DIRECTION SELECTIVE HIGH-FREQUENCY TRANSMISSION LINE APPARATUS
Russell H. Varian, Garden City, N. Y., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application October 24, 1944, Serial No. 560,148
22 Claims. (Cl. 178—44)

9. High frequency apparatus comprising a pair of adjacent wave guides and means for exchanging high frequency energy between said guides and for exciting in the receiving guide of said guides high frequency wave energy of a predetermined frequency characteristic having recurrent pass-bands, comprising a plurality of



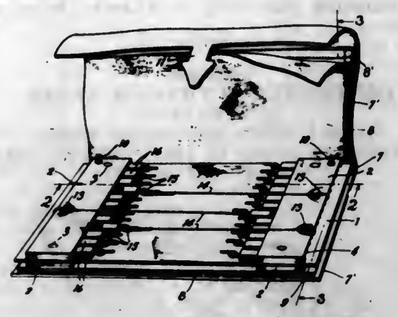
spaced coupling means for transferring said energy between said guides, said coupling means being spaced apart substantially one-quarter the guide wavelength in said guides at substantially the center frequency of the lowest pass-band of said characteristic.

2,566,387
BICYCLE SEAT HEIGHT ADJUSTER
Millard Vick, Portsmouth, Va.
Application July 30, 1948, Serial No. 41,592
2 Claims. (Cl. 155—5.24)



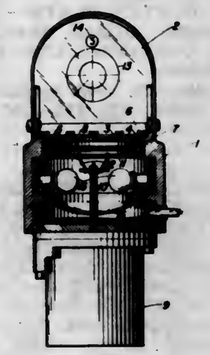
1. A seat height-adjuster for a bicycle seat or saddle, including a sleeve adapted to be inserted into the hollow saddle post of said bicycle, the sleeve having a closed bottom and containing a compression spring, external means upon the upper end of said sleeve for normally resting upon the upper end of said hollow saddle post, there being a horizontally disposed slot extending inwardly of and through said sleeve adjacent the upper end, a lever pivotally mounted upon said sleeve having a forwardly extending operating lever arm upon one end and a locking lug upon the other end thereof extending through said slot, a solid saddle post having a substantially horizontal saddle-supporting portion upon the upper end of the same and extending with its other end slidably down into said hollow saddle post and upon the latter end having at least two notches spaced apart and adapted to be individually engaged by the locking lug of said lever to determine a high pedaling position for said saddle and a low stopping position thereof, and a spring biasing said locking lug into engagement with either one of said notches.

2,566,388
FLY HOOK HOLDER
John E. Waggoner, South San Francisco, Calif.
Application December 5, 1945, Serial No. 632,847
4 Claims. (Cl. 43—57.5)



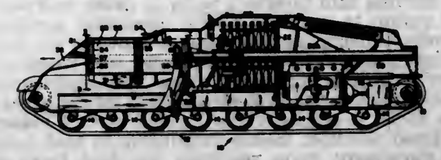
1. A fly hook holder comprising a foldable backing, a sheet of strip material swingably mounted on said backing, a plurality of spaced parallel strips transversely carried by said sheet, recess means formed in said strips for frictionally retaining fish hooks, anchor means for detachably retaining leaders associated with the fishhooks, and resilient means for securing said anchor means to said strips, said recess means including a plurality of recesses in the outer and inner side edges of said strips, and a plurality of passages transversely disposed in said strips interconnecting the outer and the inner recesses.

2,566,389
ORDNANCE SIGHT
Udell C. Walk, United States Navy, Carmel, Calif.
Application November 28, 1945, Serial No. 631,463
2 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



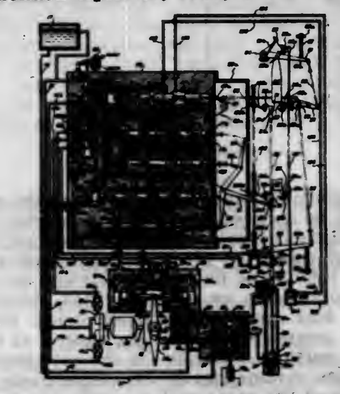
1. In a device of the character described, an ordnance sight, having a viewer, a reticle bearing member, a transparent space on said member and means for projecting a design on said reticle bearing member onto said viewer; an altimeter attached to said ordnance sight, and a transparent disc actuated by said altimeter having indicia thereon for showing altitude, said disc being disposed between said projecting means and said reticle bearing member so that said indicia are projected through said transparent space onto said viewer.

2,566,390
SELF-PROPELLED ROCKET LAUNCHER
Matt J. Weber, Jr., Chicago, Ill.
Application September 6, 1945, Serial No. 614,798
3 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an armored tracklaying vehicle with a hull having therein a front rocket discharge opening and a rear rocket gas discharge opening, a rocket gun comprising a tail pipe for exhausting rocket gases at one end thereof through said rear opening, a barrel having a plurality of separate rocket firing chambers extending longitudinally therethrough, connecting means on the other end of said tail pipe and one end of said barrel providing for relative rotation of the latter about its longitudinal axis, each of said firing chambers being successively alignable with said tail pipe upon said rotation, a counterbalance device attached to said tail pipe for counterbalancing the latter from and within said hull, pivoted mounting means on the other end of said barrel and pivotally supportable from said hull adjacent said front opening therein for pivotally supporting said barrel at said other end thereof for rotation about its longitudinal axis, said mounting means providing for pivotal elevation of said barrel and for successive firing position alignment of each of said firing chambers with both said front opening and said tail pipe upon said rotation, and electrical means for controllably rotating said barrel for said successive firing position alignment.

2,566,391
AUTOMATIC HOIST CONTROL
David Wertman, Mount Rainier, and Robert K. Bole, Bethesda, Md.
Application September 29, 1950, Serial No. 187,651
9 Claims. (Cl. 198—221)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for moving objects between two locations comprising a hoist bar, a piston for reciprocating said hoist bar, and a control system for said hoist; said system comprising: a pump for reciprocating said bar piston, a pump dis-

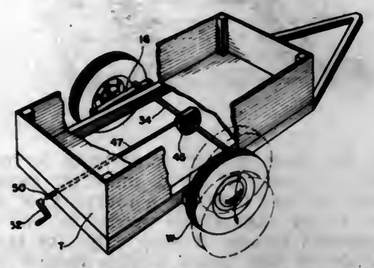
charge control piston movable between neutral and two hoist operating positions for determining the direction of bar piston movement, a circuit for conducting fluid to said control piston for actuating the same, an interlock valve in said circuit biased to closed position, means responsive to hoist load when conditioned for advancement for opening said interlock valve to cause said control piston to move to a first operating position thereby causing said hoist bar to move in the first direction of its reciprocatory cycle, said interlock valve returning to closed position upon movement of said hoist in the first direction of its reciprocatory cycle, a second valve in said circuit biased to closed position, means responsive to said hoist bar movement upon reaching the first limit of its first direction of movement in its reciprocatory cycle for opening said second valve to cause said control piston to move to a second operating position thereby reversing said hoist bar, said second valve returning to closed position upon movement of said hoist bar in said reverse direction, a third valve in said circuit biased to closed position, means responsive to said hoist bar movement upon reaching the lower limits of its reciprocatory cycle for opening said third valve to cause said control piston to move to neutral position thereby stopping said hoist bar at the end of its reciprocatory cycle until said load is again conditioned for advancement.

2,566,392
SPRAY GUN
John A. Wilkins and David Wilkins, Jr., New York, N. Y.
Application June 20, 1945, Serial No. 600,628
3 Claims. (Cl. 299—140.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



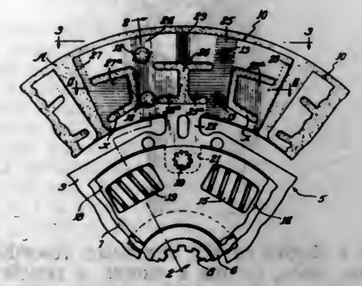
1. In a portable spray gun, a tube for the composition to be sprayed comprising a nozzle at its end, the nozzle comprising a cylindrical orifice; a plurality of tubes for pressure fluid, each pressure-fluid tube being flattened at its end to form a nozzle comprising an oblong orifice, the pressure-fluid and composition tubes being rigidly secured in positions adjacent each other at their nozzle end portions to locate the several pressure-fluid nozzles symmetrically on respectively opposite sides of the composition nozzle, the longer dimension of each oblong pressure-fluid orifice extending transversely of a line through the centers of the nozzle orifices of the several pressure-fluid and composition nozzles and beyond the span of the composition nozzle, each of the pressure-fluid tubes being bent near its nozzle end to direct its nozzle toward the axis of the composition nozzle to intersect the composition nozzle axis at a point beyond and closely adjacent the composition nozzle, whereby the composition flowing from the composition nozzle is broken into a spray and impelled outwardly and away from said nozzles.

2,566,393
CANTILEVERED TRAILER WHEEL SUSPENSION
Orrin J. Wolfe, Bellingham, Wash.
Application December 22, 1947, Serial No. 793,075
2 Claims. (Cl. 267—19)



1. A cantilevered trailer wheel suspension, consisting of: a suspension arm having a wheel spindle secured at right angles thereto and intermediate its ends; a multi-leaf spring disposed above and in the longitudinal plane of said suspension arm; an upward extension of said arm, at one end thereof, having a slot adapted to slidably engage the free end of said spring; a bracket disposed at the opposite end of said spring having a spring seat to which said spring is fixedly secured; a pivot shaft passing through said bracket and adapted to form a pivot about which said suspension arm may oscillate; and means for securing said bracket against rotation.

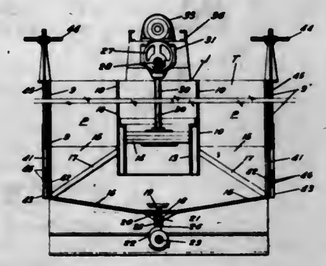
2,566,394
CLUTCH PLATE
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 22, 1948, Serial No. 34,438
5 Claims. (Cl. 192—107)



1. In a clutch driven plate having a hub, and axially spaced friction facings arranged outward therefrom; facing mounting means comprising a sheet metal disc carried by said hub and extending radially outward therefrom; a plurality of circumferentially spaced spoke-like cushions extending radially outward from said disc and lying between said facings, each cushion having first radially spaced inner and outer circumferential regions in its central portion and arranged oblique

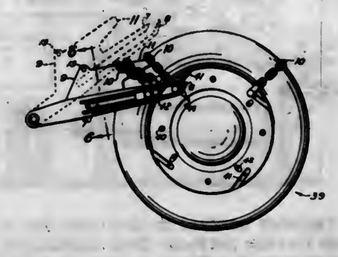
to the plane of said disc; first radial lands arranged one each side of and connecting said central circumferential regions, and said first radial lands lying in axially offset planes with respect to each other and to the plane of said disc for contact with the respective facings; circumferentially extending first tongues projecting toward each other and lying in the planes of the respective first radial lands and lying in the space between said first inner and outer circumferential central regions of the cushion; radial marginal lands at the ends of said cushion arranged in axially spaced planes with respect to each other and to the plane of the disc for contact with the respective facings; second radially spaced inner and outer circumferential regions between each radial marginal land and an adjacent first radial land and arranged oblique to the plane of said disc; circumferentially extending second tongues projecting toward each other from the respective marginal lands and lying in the spaces between said second inner and outer oblique regions and also in the planes of the respective marginal end lands; and means attaching said facings to the cushions at the respective first radial lands, said first radial lands and said marginal lands with the irrespective adjoining tongues being alternately disposed axially with relation to the plane of the disc, the said lands on either side of the disc being in plane with each other to support their respective friction facings, and the adjoining tongues providing supplementary areas effecting substantial additional support for said facings.

2,566,395
STONE CATCHER
Herman E. Zitkowski, Denver, Colo.
Application February 18, 1946, Serial No. 648,254
4 Claims. (Cl. 209—456)



1. Apparatus for removing relatively heavy material from articles adapted to be moved along a flume by liquid, comprising a tank connected at each end to a flume; centrally disposed walls spaced from the bottom of said tank and providing a pair of passages extending longitudinally of said tank between said central walls and the outer walls of said tank, said passages extending from flume to flume; compartment forming, lateral partitions in the lower portion of each passage; a cooperating cylinder and plunger mounted between said central walls for imparting a jigging motion to the liquid in each compartment; drive means, including a shaft mounted above said central walls, for reciprocating said plungers upwardly and downwardly at different times; a valve adapted to cooperate with a discharge opening in the bottom of said tank beneath each plunger, for removing settled material from said compartments; a set of outwardly inclined grate bars extending laterally from said central walls to said side walls at each side, in the lower portion of each compartment; a valve cooperating with an outlet opening in the side wall of said tank just above the lower ends of each set of grate bars; and means including a shaft disposed beneath said tank and actuated from said drive means having means for opening each said bottom valve only on an upward stroke of the corresponding plunger thereabove.

2,566,396
SKID CHAIN APPLIER AND REMOVER
James D. Andrews, Oakes, N. Dak.
Application May 26, 1949, Serial No. 95,467
5 Claims. (Cl. 152—214)



1. In a skid chain applier and remover for a vehicle, the combination of a chain storage support pivotally secured to said vehicle for operation in a vertical plane and adapted to movably straddle the periphery of a wheel of said vehicle, skid chains slidably carried by said support, chain holding means carried by said wheel and including open slots therein, and projections carried by said chains for engaging said slots.

2,566,397
LUBRICANTS AND LUBRICANT ADDITIVES
John D. Bartleson, East Cleveland, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 7, 1947, Serial No. 753,363
2 Claims. (Cl. 252—46.6)

2. A lubricant comprising a mineral lubricating oil and an amount sufficient to inhibit the oxidative deterioration in use of the oil of an oil-dispersible product of the reaction at 350° F. for eight hours of 1.15 moles ethyl mercaptan to each mole of a reaction product of 1 mole of phosphorus pentasulfide and 1.5 moles of "reduced motor polymer" reacted together at 350° F. for eight hours to produce an oil-dispersible material suitable for improving the characteristics of a mineral lubricating oil.

2,566,398
LUBRICANTS AND LUBRICANT ADDITIVES
John D. Bartleson, East Cleveland, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 7, 1947, Serial No. 753,364
2 Claims. (Cl. 252—46.6)

2. A lubricant comprising a mineral lubricating oil and an amount sufficient to inhibit the oxidative deterioration in use of the oil of an oil-dispersible product of the reaction at 350° F. for eight hours of 1.15 moles ethyl alcohol to each mole of a reaction product of 1 mole of phosphorus pentasulfide and 1.5 moles of "reduced motor polymer" reacted together at 350° F. for

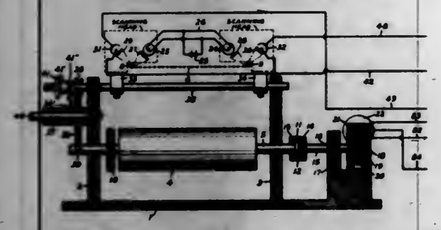
eight hours to produce an oil-dispersible material suitable for improving the characteristics of a mineral lubricating oil.

2,566,399

LATERAL REGISTER CONTROL MECHANISM FOR PRINTING PRESSES

Nathaniel Bishop, Fairfield, Conn., assignor to Time, Inc., New York, N. Y., a corporation of New York

Application December 31, 1946, Serial No. 719,415
1 Claim. (Cl. 101—248)



Web register control mechanism for a continuous web having periodic first operations, including register spots, formed thereon, first means for performing periodic second operations on the web in predetermined lateral relationship to the first operations, means to vary the lateral position of said first means in either direction with respect to the web, electric motive means for driving said lateral position varying means, switching means for controlling the operation of said motive means, relay means for actuating said switching means, an electron tube network connected to said relay means and normally biased to maintain said switching means in the position to render said motive means inoperative, photosensitive web scanning means movable with said first means and disposed to scan areas adjacent the spots when the web is in proper register with respect to said first means, electrical means connected to said web scanning means for providing positive electrical pulses upon the occurrence of a spot on the web in operative relation to said scanning means, and a resistance-capacitance network energized by said positive pulses for providing a positive voltage to overcome the bias on said electron tube network and operate the relay means to change the position of said switching means to render said motive means operative, said resistance-capacitance network comprising a condenser connected in series with the control grid electrode of an electron tube in said electron tube network, and a resistor connected from said grid electrode to ground.

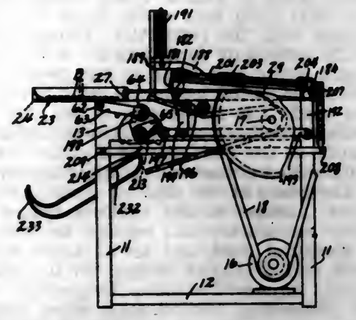
2,566,400

WIRE GARMENT HANGER FORMING MACHINE

Oliver R. Brekle, Birmingham, Ala., assignor to Precision Crown Company, Birmingham, Ala., a partnership composed of Milton M. Magnus and Oliver R. Brekle

Application July 8, 1946, Serial No. 682,645
11 Claims. (Cl. 140—81.5)

1. In a wire working machine in which precut wire blanks are fed to forming mechanism one at a time, a hopper for the blanks having a sloping bottom with a narrow slot therein at the side nearest the machine and adapted to pass the blanks one at a time, a longitudinally extending agitating bar alongside the hopper adjacent the slot, a resilient support mounted under the hopper in position to receive the blanks, a forming anvil, and swinging arms having bosses thereon



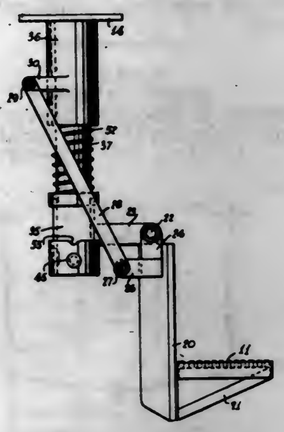
to engage the lowest blank on the support and bend it about the forming anvil.

2,566,401

SWINGABLE STEP FOR MOTOR VEHICLES AND THE LIKE

Leopold Bustin, Mamaroneck, N. Y.

Application September 6, 1949, Serial No. 114,075
2 Claims. (Cl. 280—167)



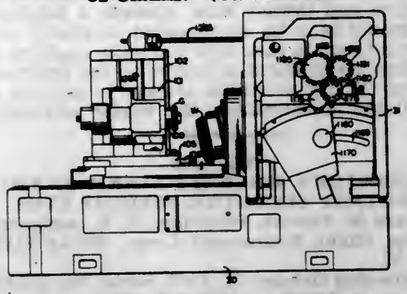
1. A step for motor vehicles and the like, comprising a vertical column, a pair of sleeves on said column, one at the top thereof and one at the bottom, a stop member at the top of the column preventing the upper sleeve from moving upwardly beyond a predetermined point, a stop member at the bottom of the column preventing the lower sleeve from moving downwardly below a predetermined point, a compression spring between the two sleeves which maintains them in tensioned, spaced relationship, a notched member fixed to the bottom of the column below the lower sleeve, a notch engaging member connected to the lower sleeve for engagement with the notches in said notched member, a step pivotally secured to said notch engaging member on a horizontal pivot, and a pair of links which are pivotally secured at their upper ends to the upper sleeve and at their lower ends to the step, both pivots being horizontal and the pivot at the lower end of the links being offset from the pivotal connection between the step and the notch engaging member.

2,566,402

GEAR GRINDING MACHINE

William C. Critchley and Herman A. Male, Brighton, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application October 23, 1948, Serial No. 56,144
31 Claims. (Cl. 51—33)



15. In a machine for grinding gears, a rotary cradle, a support mounted in said cradle for adjustment about two intersecting axes, a motor mounted in said support, and a rotary annular grinding wheel secured to the armature shaft of said motor, and means for adjusting the motor and wheel step-by-step on said support axially of the motor shaft to compensate for wear of the wheel.

2,566,403

CARBONIZATION OF CELLULOSE ACETATE FIBERS WITH GASEOUS HCl AND SWELLING AGENT TO SEPARATE FROM WOOL FIBERS

Alan Crummett, Leeds, and Albert Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 22, 1948, Serial No. 34,544. In Great Britain July 10, 1947
1 Claim. (Cl. 8—140)

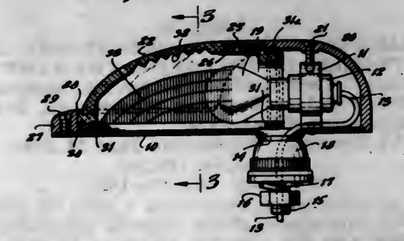
A process of isolating wool from a mixture comprising wool fibres and cellulose acetate fibres which comprises subjecting the mixture of fibres to the action of the vapors produced by vaporizing a mixture consisting of concentrated hydrochloric acid and glacial acetic acid, said mixture containing about 75% of hydrochloric acid, at a temperature of 80–100° C. until the cellulose acetate fibres have been rendered friable and thereafter separating the wool fibres from the friable residue.

2,566,404

VEHICLE DIRECTIONAL SIGNAL LAMP

Rene Daon, East Norwalk, Conn., assignor to Yankee Metal Products Corporation, Norwalk, Conn., a corporation of New York

Application April 4, 1950, Serial No. 153,933
6 Claims. (Cl. 177—329)



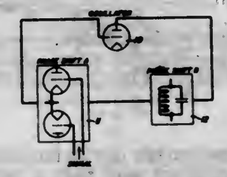
1. In a directional signal lamp, a lamp housing for an electric lamp, said housing having a translucent part adapted to become illuminated when the lamp is energized, said translucent part having a top wall whose opposed edges converge to give said wall an arrowhead contour whose central region is of reduced translucence thereby making predominant the illumination of the converging regions to the opposite sides of said central region.

2,566,405

FREQUENCY MODULATION

Owen E. De Lange, East Orange, and William M. Goodall, Oakhurst, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 4, 1948, Serial No. 31,134
11 Claims. (Cl. 332—23)



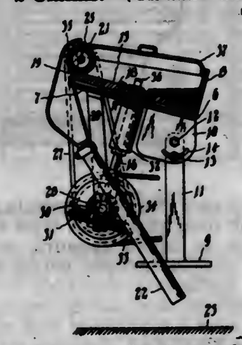
1. In a frequency modulating system, a grid-controlled space discharge device, a feedback path external to said device from output to input thereof to cause the device to generate sustained oscillations, a current-controlled phase shifter included in said feedback path, a source of modulating current for controlling the phase shift produced in said phase shifter as a function of instantaneous modulating current, and an anti-resonant circuit bridged across said feedback path, said circuit being tuned to a desired normal oscillation frequency and said phase shifter producing a frequency independent phase shift having a normal value in the absence of a modulating current sufficient to cause the system to oscillate at the frequency to which the anti-resonant circuit is tuned.

2,566,406

SEED FEEDING DISK WITH EJECTOR BRUSH

Russell Dougherty, Blyth, Ontario, Canada
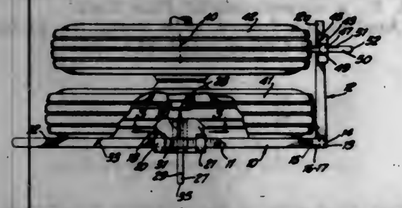
Application June 20, 1949, Serial No. 100,285
2 Claims. (Cl. 222—225)



1. In a seeder, a cup having a circular side wall provided with a local cut-away portion forming a discharge opening, a circular feed plate in said cup and rotatable about the central axis thereof, said feed plate having a peripheral edge and being a running fit in said cup such that seeds may not drop between it and said side wall, the upper face of said feed plate being disposed above the bottom of said discharge opening and there be-

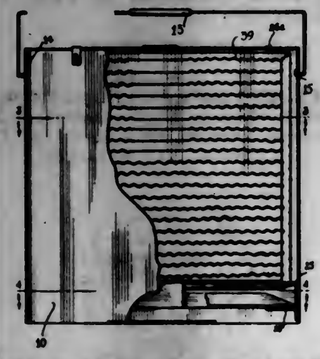
ing a circular series of notches therein which are open to said peripheral edge and form pockets into which seeds gravitate from a source of supply, a rotary brush mounted in said discharge opening and engaged with said feed plate to brush seeds out of said pockets while said feed plate is rotating, and means for turning said feed plate and said brush.

2,566,407
FOLDABLE TIRE DIAMETER GAUGE
James S. Evans, San Marino, Calif.
Application March 10, 1947, Serial No. 733,460
6 Claims. (Cl. 33—178)



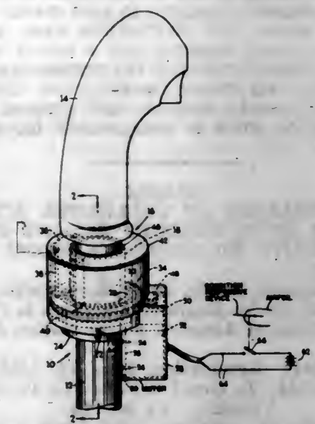
1. A tire measuring device including: a graduated bar; a slide on said bar; a centering device detachably carried by the slide and extending transversely of said bar; a tire feeler member pivoted to the bar for movement to a right angular position and to a folded relation thereon; and means for securing the centering device on the bar when not in use in position to confine the slide against movement along said bar.

2,566,408
MOP AND BRUSH CLEANING DEVICE
Edward Goldberg, Max A. Goldberg, and Jack Goldberg, New York, N. Y.
Application August 31, 1948, Serial No. 47,628
8 Claims. (Cl. 15—142)



1. A cleaning and storage assemblage for implements of the mop and brush type comprising a casing having an upper cleaning and storage zone and a lid closure through which the implement and its handle are insertible for cleaning or storage purposes, said casing having a lower zone equipped with a removable dust collector in communication with said cleaning and storage zone, said latter zone having a pair of beater units each carrying a vertical succession of spaced horizontally-extending wire beaters, said units having similar vertical dimensions and differing in overall horizontal dimensions, one of said units being formed to produce and present one side and the opposite ends of the cleaning and storage zone with the other unit producing and presenting the opposite side of such zone, said units being mounted to present the front and rear side faces of the cleaning and storage zone as relatively movable toward and from each other with at least one of the units spring-supported to thereby permit compensating yield between the units in such front and rear dimension of the cleaning and storage zone, whereby a positioned implement may be reciprocated vertically within such cleaning zone with the units applying approximately uniform pressures to the implement during the reciprocating strokes to provide approximate uniformity in the beater activities.

2,566,409
VIBRATORY AIRCRAFT ALARM OF THE ROTARY ECCENTRIC WEIGHT TYPE
Leonard M. Greene, Scarsdale, N. Y., assignor to Safe Flight Instrument Corp., White Plains, N. Y.
Application October 21, 1949, Serial No. 122,623
6 Claims. (Cl. 177—329)



1. In an aircraft having a control stick shaft, a source of electric energy, a switch, and a condition-responsive device which upon the imminence of danger closes said switch: a stick shaker, said stick shaker including a sleeve encircling said shaft, means to detachably secure said sleeve to said shaft, an anti-friction bearing having an inner race, an outer race and rolling elements between said races, the inner race being firmly fixed to said sleeve, a gear firmly fixed to the outer race, said bearing rotating about the axis of symmetry of the sleeve, a weight mounted to turn with said gear, said weight being disposed eccentrically of said axis, a pinion meshing with said gear, an electric motor mounted on said sleeve, said pinion being secured to the output shaft of the motor, and circuit means connecting said source to said motor through said switch.

2,566,410
SOLID ESSENTIAL OIL CONCENTRATE AND PROCESS OF PREPARING THE SAME
William C. Griffin, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1949, Serial No. 101,255
8 Claims. (Cl. 99—140)

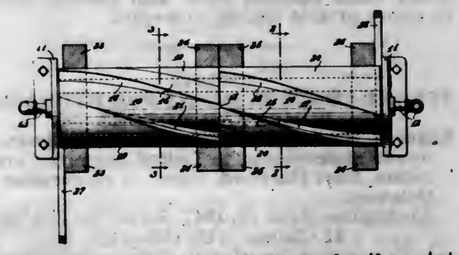
1. A composition comprising a solid sol wherein the continuous phase consists essentially of sorbitol and the disperse phase is an essential oil.

2,566,411
BIPARTING ELEVATOR DOOR INTERLOCK
Nicholas R. Guilbert, Jr., Chestnut Hill, Pa.
Application May 7, 1949, Serial No. 91,949
15 Claims. (Cl. 187—57)



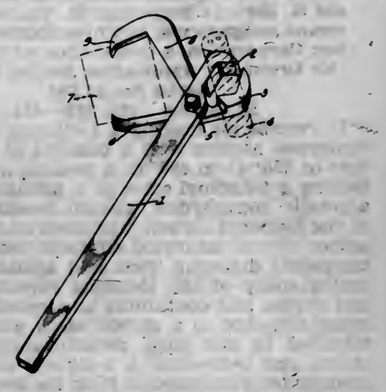
8. In combination with an elevator, a biparting door comprising upper and lower vertically movable door panels at an entrance to the elevator hatchway, a locking bracket projecting from and movable with the upper panel, and a wing arm projecting from and movable with the lower panel, interlocking means comprising upper and lower latch arms respectively adapted to be engaged by the bracket and the wing arm when disposed in the paths thereof, means interconnecting the latch arms operative to inhibit their movements otherwise than in accordance with a predetermined cycle which, beginning with the latch arms disposed in positions respectively for engagement by said bracket and said wing arm includes successively movement of the upper latch arm out of the path of the bracket, movement of the lower latch arm out of the path of the wing arm, movement of the lower latch arm into the path of the wing arm and movement of the upper latch arm into the path of the bracket, and means for moving said latch arms sequentially out of the paths of the bracket and wing arm.

2,566,412
MACHINE FOR FORMING LAWN MOWER BLADES
Wilbert H. Hannes, Willow Grove, Pa., assignor to Roxy Lawnshear Corporation, Elkins Park, Pa., a corporation of Pennsylvania
Application May 13, 1947, Serial No. 747,868
3 Claims. (Cl. 153—78)



1. A machine for forming blades for the rotatable cutter blade assembly of a lawn mower comprising a cylinder, stationary sector members fixedly mounted on said cylinder, one on each end portion thereof, sector members rotatably mounted on the cylinder, one on each end portion thereof and adapted to coact with the stationary sector members, one of said stationary sector members having a helical working face complemental to one face portion of one end of the blade to form a seat against which said end of the blade is formed, the other of said stationary sector members having a helical working face complemental to the other face portion of the other end of the blade to form a seat against which said other end of the blade is formed, said rotatable sector members each having its axis of rotation coincident with the axis of the cylinder, and means for respectively actuating the rotatable sector members in opposite directions from the open positions to the forming positions thereby to shape the blade to the helical form defined by the face portions of the sector members.

2,566,413
PORTABLE CONDUIT-GRIPPING TOOL
Bernhardt Hartman, Long Beach, Calif.
Application August 13, 1948, Serial No. 44,102
2 Claims. (Cl. 81—3)

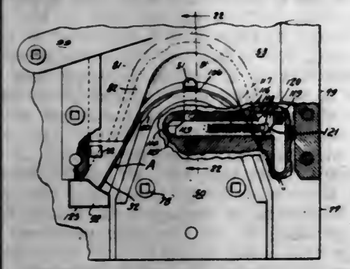


1. A portable conduit gripper comprising a handle, a jaw formed on one end of said handle, a second jaw pivotally mounted on said handle and arranged opposite said first named jaw to grip a conduit, an integral spur extending from said second jaw, opposite to the conduit gripping end of said second jaw, and a finger having a spike thereon, said finger being pivotally mounted on the pivot for the second jaw and being located between the handle and said second jaw, said pivot consisting of a bolt extending through said handle, finger, and second jaw, said spike cooperating with the spur to engage a fixed member and support the gripper.

2,566,414
METHOD OF FORMING ORTHODONTIC ARCHES
Wesley J. Henry, Los Angeles, Calif.
Application July 3, 1948, Serial No. 36,833
2 Claims. (Cl. 29—160.6)

1. Steps in the method of prefabricating an orthodontic arch comprising: providing a blank of rectangular cross section wire of predetermined length; securing said blank in a position inclined at a torque angle with reference to a predetermined plane, bending the central region of said blank in said plane, whereby to form an intermediate arch having a substantialy semicircular central portion and a pair of straight side arms; and subsequently offsetting portions of the arch in the plane of the arch inwardly

with reference to adjacent portions of the arch while rigidly holding said portions and adjacent



portions at the predetermined torque angle with reference to said plane.

2,566,415

PROCESS FOR MAKING UNSATURATED ETHERS

Raymond I. Hoaglin, South Charleston, and Donald H. Hirsh, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application August 11, 1948, Serial No. 43,784

13 Claims. (Cl. 260—614)

1. Process for making a 1-alkenyl ether which comprises passing over a catalyst at a temperature of 250° C. to 450° C. a gaseous mixture containing a 1-alkenyl ether of a primary saturated aliphatic monohydric alcohol consisting solely of the elements carbon, hydrogen and oxygen together with a saturated aliphatic monohydroxyl compound different from said alcohol and consisting solely of the elements carbon, hydrogen and oxygen and containing an alcoholic hydroxyl group attached to a carbon atom which itself is attached to not more than two other carbon atoms, and recovering a 1-alkenyl ether of said monohydroxyl compound from the reaction products formed, said catalyst being a catalytic substance of the group consisting of porous clay, nickel, silver, palladium, platinum, thoria, alumina, blue tungstic oxide, manganese oxide, fuller's earth, burnt brick clays, silica gel, asbestos, feldspars, zeolites, natural and artificial aluminate-silicates, and diatomaceous earths which give an alkaline aqueous extract.

2,566,416

SHOULDER STRAP FOR UNDERGARMENTS

John V. Hollar, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut

Application October 21, 1947, Serial No. 781,086

2 Claims. (Cl. 2—323)

1. A shoulder strap for ladies' undergarments or the like, comprising a strip of flexible material having inner and outer edges and upper and lower surfaces and including a front end portion having equal length parallel inner and outer edges for attachment to the front upper edge of the garment, a rear end portion having equal length parallel inner and outer edges for attachment to the back upper edge of the garment, and an intermediate shoulder engaging portion substantially centrally of said front and rear end portion, the inner edge of said strip along said intermediate shoulder engaging portion being longer than the outer edge, whereby when said front and rear portions extend straight downwardly from said intermediate portion, their lower surfaces are substantially opposite and parallel to each other and said intermediate portion



is transversely inclined between its inner and outer edges.

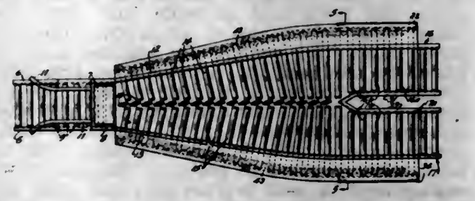
2,566,417

CONVEYER SWITCH

Roy F. Holm, St. Paul, Minn., assignor to Standard Conveyor Company, North St. Paul, Minn., a corporation of Minnesota

Application December 6, 1948, Serial No. 63,742

9 Claims. (Cl. 198—31)



9. A conveyor comprising, a feeding section having means for supporting and moving load units along a determined path, switch conveyors affording diverging paths for load units extending from said feeding section and each comprising a multiplicity of power actuated rollers longitudinally inclined to tilt the load units laterally outward from a relatively elevated central line of division between said switch conveyors, a row of switch rollers disposed between said switch conveyors along said central line of division and projecting above the adjacent top surfaces of said power actuated rollers for rolling engagement with the bottom surfaces of the load units, the several switch rollers being supported for oscillating movement about substantially vertical axes and electro-magnetic means for turning said switch rollers about said axes to selectively direct units received from said feeding section to either of said switch conveyors.

2,566,418

STROKE CONTROL MEANS FOR HYDRAULIC PUMPS AND MOTORS

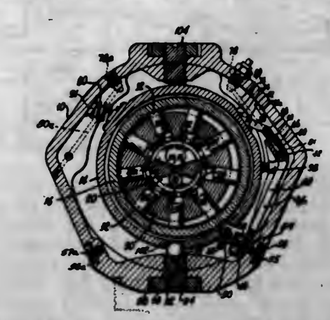
Roger F. Horton, Hempstead, N. Y., assignor, by mesne assignments, to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application June 10, 1947, Serial No. 753,708

11 Claims. (Cl. 103—161)

1. In a power translating device comprising, a casing, a rotor within said casing having a number of radial cylinders, and pistons projecting from the ends of said cylinders, bearings carrying said rotor for rotation about a fixed axis, a drive shaft extending into said casing and

coupled to said rotor, and a track ring pivotedly mounted within said casing in controlling engagement with the outer ends of said pistons for determining the position of said pistons in said cylinders, the axis of rotation of said track ring being parallel to the axis of rotation of said rotor, fluid inlet and outlet passages extending through said casing and communicating with said cylinders, and means operative above a critical pressure for swinging the track ring on its said pivot and thereby varying the stroke of the said pistons



in said cylinders comprising, linkage interconnected between the casing and the track ring and including a plurality of angularly related members one of which comprises, a portion extensible when subjected to a pressure above a given pressure, a fluid conduit interconnecting said portion and the high pressure side of said device, and means connected to said angularly related means adapted to absorb the energy imparted thereto by extension of said linkage up to a given amount.

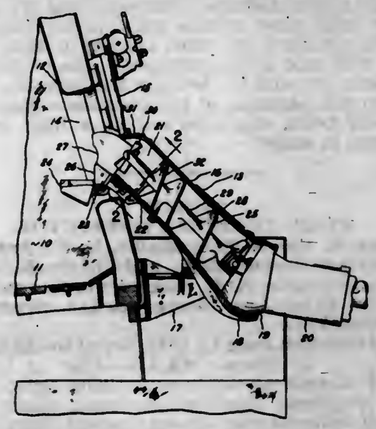
2,566,419

LOCOMOTIVE STOKER

John Kane, Erie, Pa., assignor to Read Standard Corporation, a corporation of Delaware

Application March 22, 1948, Serial No. 16,160

4 Claims. (Cl. 198—15)



4. A coal discharge unit of a locomotive stoker comprising an inclined riser conduit, said conduit being provided at its upper end with an axially directed discharge opening, the lower forward edge of said conduit providing a ledge over which the coal discharges, and a conveyor screw in said conduit having a hub, a plurality of blades carried for rotation by and projecting radially from the forward end of said hub rearwardly adjacent said ledge so that said blades will lie immediately rearward of a plane defining the normal angle of repose of the coal at said discharge ledge of the conduit, a main conveyor flight wound about said hub for the major portion of its length and terminating a distance rearward of said blades to provide a zone in which a head of coal will form, said blades being pitched in the same direction as said main conveyor flight and being of a width to fall short of overlapping each other whereby each of said blades slices off and pushes ahead a portion of the advancing head of coal

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2,566,420

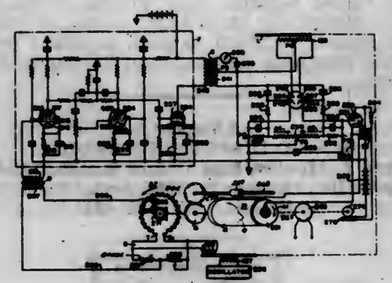
ELECTRONIC RELAY SYSTEM

George Keinath, Larchmont, N. Y., and Reinhard K. Hellmann, Meriden, Conn.; said Hellmann assignor to Great American Industries, Incorporated, Meriden, Conn., a corporation of Delaware

Application April 23, 1947, Serial No. 743,284

In Great Britain April 29, 1946

8 Claims. (Cl. 177—351)



6. With exhibiting mechanism having two members capable of movement relative to each other in two coordinate directions and having drive means connected with one of said members to impart thereto cyclical movement in one of said directions, in combination, a balanceable measuring circuit having condition-responsive gauge means to vary the balance condition of said circuit in response to a variable physical quantity under observation and having a cyclically variable circuit member in connection with said drive means for cyclically varying said balance condition between given positive and negative values in synchronism with said cyclical movement of said member so that said circuit passes periodically through balance at an instant dependent upon said quantity, oscillator means of a frequency higher than that of said cyclical movement connected with said circuit, an alternating-current amplifier having input leads connected with said circuit to be impressed by voltage of said frequency modulated by said circuit member and gauge means, rectifying means connected with said amplifier and having an output circuit to provide a direct-current voltage having an abrupt change in magnitude at said instant, an electronic trigger relay having a grid circuit connected with said rectifier to be triggered by said change and having an output circuit connected with said mechanism to cause an exhibiting action at said instant.

2,566,421
ANTIFRICTION BEARING-RETAINING STRIP
Donald H. Lapointe, Meriden, Conn.
Application November 23, 1948, Serial No. 61,707
3 Claims. (Cl. 308—201)



1. An antifriction bearing-retainer, comprising: a plurality of individual antifriction bearing-retaining elements, each element comprising a hollow substantially rectangular sheet-metal unit having bearing-receiving apertures in the upper and lower faces thereof; antifriction bearings comprising bearing balls, said bearing balls being mounted within said bearing-retaining elements with portions of the balls projecting from the apertures in the upper and lower faces thereof; and flexible-means joining each adjacent pair of elements to permit said bearing-retainer to be bent for use both as an end-thrust bearing and as a radial bearing, said flexible connecting-means comprising an integral portion of reduced cross section common to each adjacent pair of bearing-retaining elements and flexible in all directions.

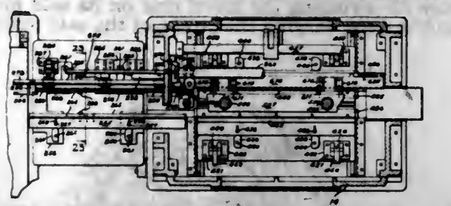
2,566,422
SOUND DISPERSING DEVICE
Fred A. Manley, East Grand Rapids, Mich.
Application October 29, 1948, Serial No. 57,278
15 Claims. (Cl. 181—31)



1. A sound dispersing device comprising a pair of spaced apart substantially parallel plates, and a third plate disposed between said pair and having a throat opening at its center contiguous to but slightly spaced from the center of one plate of said pair and extending from said throat opening to an outer periphery contiguous to but slightly spaced from the outer periphery of the other plate of said pair, said third plate thus dividing the region between said pair of plates into a unitary outwardly divergent horn having a 360° peripheral opening from which the higher frequency sounds are dispersed and a unitary outwardly convergent resonating chamber having a 360° peripheral opening from which the lower frequency sounds are dispersed.

2,566,423
APPARATUS FOR FORMING TUBES
John W. Miller, Toledo, Ohio, assignor to Miami Industries, Inc., Toledo, Ohio, a corporation of Ohio
Application August 10, 1946, Serial No. 689,638
5 Claims. (Cl. 113—34)

1. Mechanism of the character disclosed, in combination, a frame; a support for a blank; a plurality of forming rolls; means for feeding a blank from said support into said forming rolls; a horizontally disposed mandrel; means for positioning a blank from said forming rolls adjacent said mandrel; fluid actuated means for operating said blank feeding means; electrical means for initiating the operation of said fluid actuated means; cam actuated means for reciprocating said mandrel in a vertical direction to form said blank to U-shaped configuration; instrumentalities including laterally movable elements associated with said mandrel for bending the U-shaped blank into a tube; means for rotating said forming rolls and actuating said



instrumentalities; means including a circuit closing device operable by the presence of a blank on said support for initiating the operation of the blank feeding means and the operation of the bending instrumentalities, and means in the circuit of said electrical means for interrupting the operation of said blank feeding means upon failure of the instrumentalities to perform their normal functions.

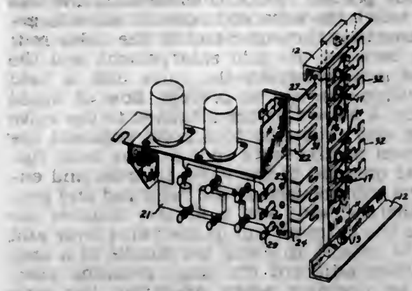
2,566,424
POWDERY GLASSY PHOSPHATE COMPOSITION AND METHOD OF MAKING THE SAME
Casimir J. Munter, Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., a corporation of Pennsylvania
No Drawing. Application February 28, 1946, Serial No. 651,017
13 Claims. (Cl. 252—175)

1. A water treating composition consisting essentially of a mixture of the following constituents: (*a*) a powdered water soluble alkali metal phosphate glass having a molar ratio of alkali metal oxide to phosphorus pentoxide between about 0.9:1 and 1.7:1, (*b*) a powdered solid water soluble acidic chemical compound, and (*c*) a powdered solid water soluble alkali metal compound which releases a gas when reacted in water solution with said acidic compound, one of the constituents (*b*) and (*c*) being in the form of a coating on the particles of the phosphate glass, said mixture being characterized by a high rate of solution in water.

2,566,425
STRIP TERMINAL CONNECTOR
George R. Paine, Pleasantville, N. Y., Arden H. Fredrick, Boston, Mass., and Charles K. Gaertner, Scarsdale, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application June 17, 1948, Serial No. 33,604
5 Claims. (Cl. 173—324)

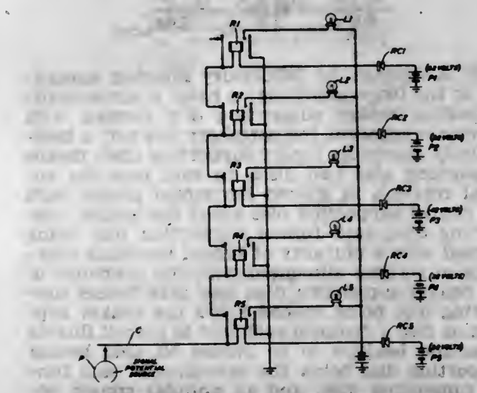
1. A chassis assembly comprising spaced support members, insulated terminal blocks connected between said spaced support members, a plurality of spaced electrical contacts carried by said terminal blocks, a plurality of insulated card elements having interconnected circuit elements constituting subcircuit assemblies affixed thereto, a plurality of metallic contact lugs projecting from one edge of said card elements and electrically connected to appropriate points in the circuit of the subcircuit carried thereby, means including said spaced electrical contacts and said

metallic contact lugs whereby the circuits of one subcircuit may be electrically connected to the circuit elements of other subcircuits through



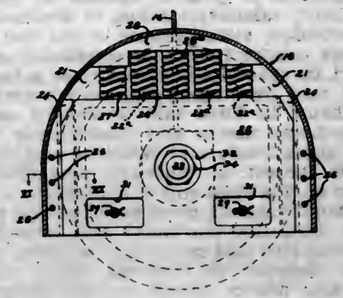
said terminal blocks with the card elements projecting inwardly of the chassis in compact relation with respect to each other and whereby the same electrical connections may be made with selected card elements rigidly supported and projecting outwardly of the chassis so that ready access may be had to the circuits and elements carried thereby without disturbing the compact relation of the remaining card elements.

2,566,426
RELAY SELECTING AND INDICATING CIRCUIT
Charles O. Parks, East Norwalk, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 18, 1948, Serial No. 66,125
4 Claims. (Cl. 177—353)



3. An electrical indicating circuit comprising in combination with a plurality of relays, each of said relays including a winding and a pair of normally made contacts, means for producing a different signal potential for each of said relays, a rectifier and a source of different biasing potential for each of said relays, the winding of each of said relays, rectifier and source of different biasing potential therefor forming a serial path with said means for producing a different signal potential, each serial path being joined differentially to other similar paths through the contacts of one of said relays and the contacts of all other of said relays, means for applying one of said signal potentials to all of said relays, thereby to operate the one of said relays to which said applied signal potential appertains, and means responsive to the operation of said relay for indicating the signal potential so applied.

2,566,427
MINE CAR WHEEL BEARING SUPPORT
Erskine Ramsay, Birmingham, Ala.
Original application June 24, 1944, Serial No. 542,018. Divided and this application October 14, 1948, Serial No. 54,383
2 Claims. (Cl. 105—364)



1. The combination with a mine car embodying a sheet metal body with outwardly curved sides and wheel mountings each comprising a sheet metal wheel housing fitting into the sides of the body of the car and having a vertical inner wall, separate Z-shaped members forming vertical guides along the sides of the inner wall, a wheel mounting bracket slidably mounted in the guides, a load distributing member disposed to coact with the underside of the wheel housing tops and having flat surfaces on its lower side springs interposed between the bracket and the load distributing member and having their upper ends resting on the flat surfaces thereof, a stub axle removably supported from the the wheel mounting bracket projecting outwardly of the bracket and a wheel mounted on the axle.

2,566,428
DISPOSABLE AMPULLA SYRINGE
George R. Ryan, Waukegan, and Ferdinand H. Young, Lake Bluff, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
Application December 20, 1947, Serial No. 792,960
2 Claims. (Cl. 128—218)



1. Unitary disposable equipment for parenteral administration of medicament comprising, in combination: a one-piece main tubular body all of transparent plastic and having one end closed and the other end open; a cartridge in said body inserted through the open end thereof having a penetrable end seal adjacent the closed end of

said body; tubular discharge means fixed in the closed end of said body; said discharge means including an externally projecting cannula adapted to be inserted through the skin of a patient; said cannula also projecting inside said body along the axis of said body far enough to penetrate the end seal in said cartridge when said cartridge is pressed against it; said cartridge being tubular; a filling of medicament in said cartridge; piston means in the end of said cartridge remote from said penetrable end seal adapted, upon receipt of axial thrust in the direction of said penetrable seal, to transmit sufficient thrust to force said penetrable seal over said discharge means and subsequently to slide axially along inside said cartridge and expel the contents thereof; a removable plug closure assembled on the open end of said body; a removable tubular cannula cover covering and protecting the projecting portion of said cannula from contamination; said cannula cover being of small enough diameter to telescope inside said cartridge and deliver thrust to said piston; said body being sufficiently longer than said cartridge to house said cartridge with said plug closure in place and with said penetrable end seal axially clear of said closed end and not yet penetrated by said discharge means; the excess of body length over cartridge length being sufficient to guide said cannula cover against tipping, at the beginning of the injection; whereby the entirety of said unit may be sterilized at the place of manufacture and subsequently carried around under conditions that make it impossible to keep the exposed portions sterile, but subsequent removal of said end plug and transfer of said cannula cover to thrust position can accomplish a completely sterile administration without any local sterilization at the time of use.

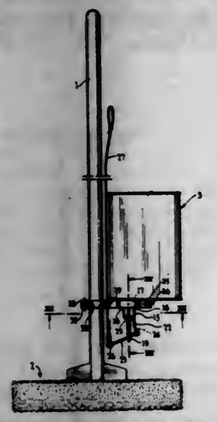
2,566,429

DISPENSING VALVE FOR SURFACE COATING MOPS, HAVING A CORD OPERATED VALVE ACTUATING LEVER

Solomon Schulman, New York, N. Y.

Application December 31, 1946, Serial No. 719,503

3 Claims. (Cl. 222—501)



1. A coating device, including, in combination: a container formed with a projecting spout; a valve cap positioned over the projecting spout, said valve cap formed with orifices therethrough to allow fluid to flow therethrough, a valve disk within the cap positioned over the said through orifices; a valve rod attached to the valve disk and projecting through the top of the cap; a valve rod guide formed substantially in the form of a U with the extremities of the legs of the U each bent at a right angle and attached at the right angle to the cap, said U formed with a through bore in the portion of the U connecting the legs through which the valve rod extends; an enlargement formed on the outer end of the valve rod; a spring between the said enlargement and the valve rod guide whereby the valve disk is held seated within the cap to prevent flow of liquid therefrom; a valve fulcrum attached to the valve rod guide and extending to a point adjacent the enlargement on the valve rod; a valve lever fulcrumed at one end of the valve fulcrum and engaging the enlargement of the valve rod and projecting therebeyond; and a flexible member attached to the extreme end of the valve lever and adapted to extend up along the handle of a mop to a position adjacent the usual grasping position of an operator when operating the mop whereby the valve may be opened by a pull on the flexible member.

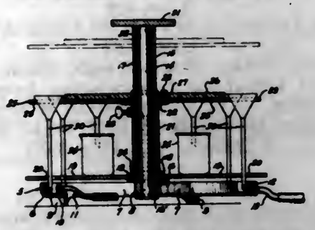
2,566,430

SUPPORT FOR LABORATORY FILTERING APPARATUS OR THE LIKE

Winfield B. Sobers, Milwaukee, Wis., assignor to Precision Scientific Company, Chicago, Ill., a corporation of Illinois

Application January 26, 1948, Serial No. 4,344

12 Claims. (Cl. 23—259)



10. A support for laboratory filtering apparatus or the like comprising: a base; a horizontally extending beaker supporting disc formed with apertures adjacent the periphery thereof; a horizontally extending funnel supporting disc; means supporting said two discs on said base for coaxial rotation in spaced horizontal planes with the funnel supporting disc above the beaker supporting disc, said funnel supporting disc being formed with a plurality of funnel receiving apertures in vertical alinement with the apertures of the beaker supporting disc, and said funnel supporting disc being spaced above the beaker supporting disc a distance sufficient to permit filtrate collecting beakers to be placed on said beaker supporting disc below the apertures of said funnel supporting disc; and an annular trough positioned on said base below said beaker supporting disc and in alinement with the apertures thereof, whereby filtrate from funnels carried by the funnel supporting disc may be drained into said trough or alternatively collected in beakers positioned on the beaker supporting disc.

2,566,431

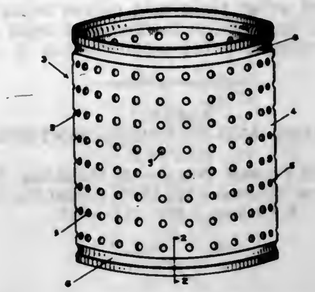
FLUID TREATING YARN CAKES BY RADIAL LIQUID FLOW

John B. Steiding, Midland, and Frederick F. Sutherland, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware

Application July 27, 1948, Serial No. 40,848

1 Claim. (Cl. 8—155.1)

In a method of treating a package of yarn with a liquid medium, the steps which comprise winding yarn onto a holder having a pair of circumferential grooves extending inwardly toward the axis of the holder, one groove being adjacent each end of said holder, and having a relatively smooth perforated portion between said grooves, winding a plurality of layers of yarn onto said holder to form a cake, and into each of said grooves, the winding in said grooves forming a liquor trap, and treating the yarn package thus formed by forcing a liquid medium radially outward through the perforations in said holder and through said cake.



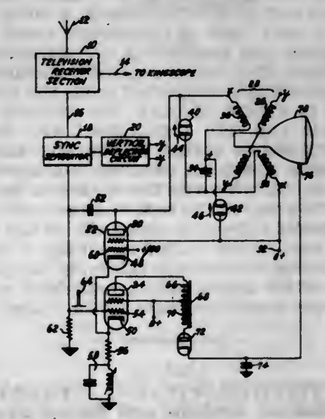
2,566,432

CATHODE-RAY BEAM DEFLECTION CIRCUIT

George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1949, Serial No. 101,390

8 Claims. (Cl. 315—27)



1. In a cathode ray beam deflection system employing an electromagnetic beam deflection yoke, first and second amplifier devices, each having an input and an output circuit, connections between the first amplifier device output circuit and the second amplifier device input circuit, connections between the second amplifier device output circuit and the first amplifier device input circuit such to produce self-sustained oscillation between said first and second amplifiers, a resonant stabilizing circuit connected between said first and second amplifier devices so as to be common to the input and output circuits of said first and second amplifiers, the frequency of said resonant circuit being harmonically related to the said circuit deflection frequency means connected with said first amplifier device output circuit for rectifying alternating voltage pulses appearing thereat to produce a unidirectional biasing potential, connections for applying said biasing potential to a cathode ray beam device and means for coupling the beam deflection yoke with the output circuit of said second amplifier for actuation thereby.

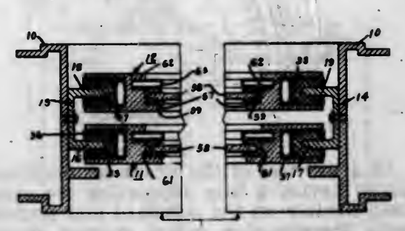
2,566,433

WINDOW

Alphonso Taurman, Birmingham, Ala.

Application February 21, 1947, Serial No. 729,947

7 Claims. (Cl. 20—52.4)



1. A window construction comprising a frame with elongated fixed guides extending along the sides thereof, a window sash having stiles with outturned channels in the sides thereof, straddling the guides, elongated felt packing material fitting within the channels and freely movable transversely thereof and each having a groove therein receiving its associated guide, and a tubular spring in each channel behind the packing material substantially the length thereof and biasing the packing material into engagement with the guide.

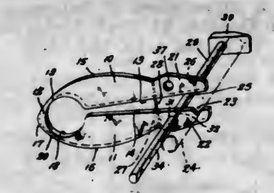
2,566,434

CUTTER FOR GLASS TUBES, AMPOULES, AND THE LIKE

John J. Toth, Wilmington, Del., and Robert B. Lewis, Chester, Vt.

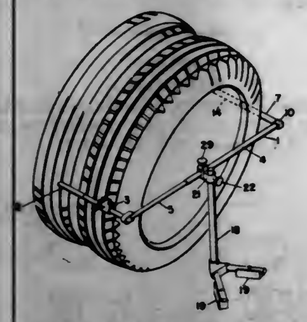
Application April 17, 1948, Serial No. 21,595

3 Claims. (Cl. 49—52)



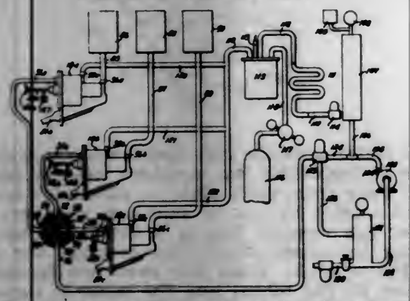
3. A device of the type described, comprising a pair of cooperable jaw members movable toward and away from each other; a cutter for scoring glass carried by one of said jaw members, the other jaw member having a notch opposite the cutter to accommodate and position the glass tubing whereby when the jaws are forced together on the tubing and the latter is turned it will be positioned by the notch and the periphery of the tube will be scored by the cutter; a gauge comprising a graduated arm and a stop carried by the arm for engagement with one end of the glass tubing; and means for mounting the gauge arm on one of said pair of jaw members to extend laterally thereof, said means enabling the gauge arm to be adjustably positioned whereby the score line made in the glass tubing may be located at any one of different predetermined measured distances from the said end of the tubing.

2,566,435
DUAL TIRE GAUGE
George E. Trimmer, San Francisco, Calif.
Application January 17, 1947, Serial No. 722,673
2 Claims. (Cl. 33—143)



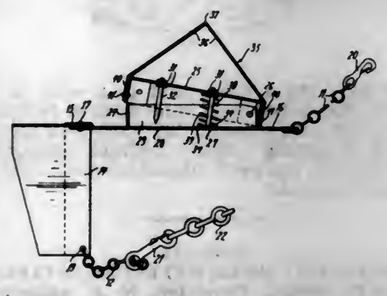
1. In a tire tool of the character described, a standard having a base supporting the same, a bracket slidable on the standard and projecting sidewise therefrom, a swivel member mounted upon the end of said bracket with freedom of rotation on an axis perpendicular to the standard, an extensible spacing member slidably mounted in the swivel member for movement in a plane perpendicular to said axis and having arms presented on opposite sides of the bracket, and gauge members projecting from the free ends of the spacing member for gauging a tire interposed therebetween, the standard having calibrations readable against the bracket, one extensible portion of the spacing member having calibrations readable against the swivel member, and the other extensible portion of the spacing member having calibrations readable against said one extensible portion to indicate the distance between the gauge members.

2,566,436
BEVERAGE DISPENSING MACHINE
Charles C. Waite, Jersey City, N. J., assignor, by mesne assignments, to Cleveland-Detroit Corporation, a corporation of Delaware
Application October 11, 1947, Serial No. 779,375
7 Claims. (Cl. 225—21)



1. In a beverage dispenser, a structure including at least a cylinder for measuring carbonated water, a port in said cylinder via which fluids may be admitted and rejected, a piston in said cylinder, a head for said cylinder, a piston rod extending through a stuffing box in said head, a conduit secured to said head and communicating with said cylinder and with a source of hydraulic pressure via a magnetically controlled valve, actuating means carried on said piston rod, a limit switch in the path of said actuating means, a source of carbonated water connected to said port via a one-way valve, circuit means for supplying energy to the winding of said magnetic valve and including said limit switch, whereby hydraulic pressure moves said piston away from said head until said actuating means deenergizes said winding, the carbonated water content of said cylinder being discharged by said movement, and other carbonated water from said source being adapted to force said piston toward said head and refill said cylinder after said winding is deenergized.

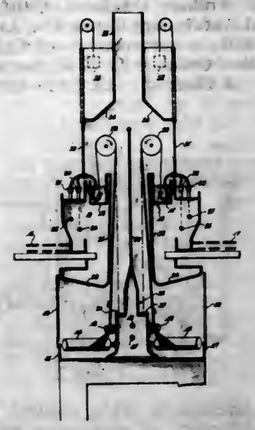
2,566,437
BREACHING AND BUTTING CONTROL FOR CATTLE
Roland Emmet Warmann, Pershing, Mo.
Application February 25, 1950, Serial No. 146,331
2 Claims. (Cl. 119—142)



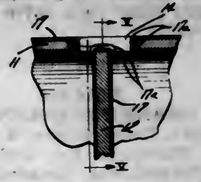
1. In a cattle inhibiting device for use in disciplining against breaching and butting activities, a halter, a metal plate longitudinally connecting neck and nose portions of the halter, said plate having an aperture therethrough, a metal box attached to said plate, a depressible cover on said box, a pivot pin connecting corresponding ends of the cover and box, a pointed punishment element dependingly supported from the cover and adapted to extend through the aperture in said rigid plate and into engagement with the head of the animal, a spring in the box and cover, urging same apart, an inverted V-shaped extension having its otherwise free ends attached to the ends of the cover of the box, and providing a sloping abutment extension outwardly of the box, the nose portion of the halter including a rigid, inverted U-shaped element normally saddled over the nose of the animal and constituting a portion of the lower band structure of the halter.

2,566,438
CONTINUOUS SPINNING APPARATUS
Willem Bakker, Arnhem, and Barend Jan Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application August 31, 1950, Serial No. 182,534
In the Netherlands September 23, 1949
6 Claims. (Cl. 18—8)

1. A rayon spinning machine including an upper operating station and a lower operating station, a spin bath container located at the upper operating station of the machine, spinnerets in said container, a trough at the lower level of the machine, driven thread guiding members also at the lower level of the machine for receiving a plurality of yarns and guiding them into parallel relationship to form a sheet, said trough and said guiding members being somewhat horizontally offset and draw-off means at the upper level of the machine for withdrawing freshly spun yarns from the spin bath container and delivering them substantially vertically downwardly toward said trough to be received therein pending manual transfer to the guiding members.



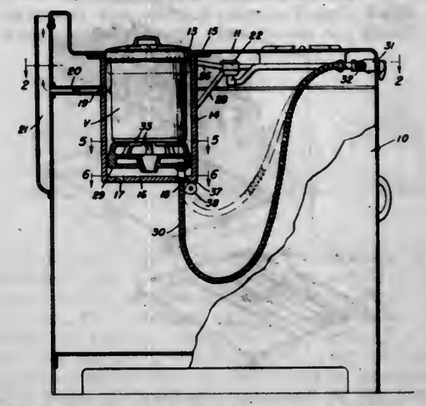
2,566,439
PAPERMAKING MACHINE RECTIFIER ROLL
Edward D. Beachler, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application June 27, 1946, Serial No. 679,843
4 Claims. (Cl. 92—44)



1. A paper-making machine rectifier roll comprising a perforated metal tube, a plurality of transverse metal disks in spaced parallel relation in said tube, said disks having peripheral portions bridging some of the perforations in the tube, said portions having thickness less than the diameter of the perforations, weld bonds uniting the disks and tube at the areas where the peripheries of the disks emerge from a covered relation by the tube in the perforations of the tube without closing the perforations, and a non-corrosive plastic material covering and bonded to said tube, disks and weld bonds and having smooth fillet portions covering all sharp edges and irregular metal surfaces.

2,566,440
COMBINATION DEEP WELL AND TOP COOKING UNIT FOR COOKSTOVES
John K. Beynon, Chicago, Ill.
Application September 22, 1947, Serial No. 775,450
2 Claims. (Cl. 126—39)

1. In a cook stove using gaseous fuel and having a cooking top equipped with gas burners arranged to be ignited from a common pilot burner, a combination deep well and top cooking unit comprising a tubular jacket entering the cooking top and depending therefrom, a burner mounted in the jacket to move longitudinally therein from a deep well cooking position to a top cooking position, a flexible tube movable through the bottom of the jacket and connected to the burner to supply the burner with gaseous fuel, igniter tubes establishing communication with the upper and lower ends of the jacket and extending to the common pilot burner to light the burner when either at the top or at the bottom of the jacket, a vessel supporting spider on the top of the movable burner to support a vessel thereon in spaced relation thereto to provide space between the burner and the vessel for the combustion of the gases passing through the burner, flues coupled to the jacket intermediate its ends to discharge to atmosphere products of combustion resulting from operating the burner in its lowered position within the jacket, said jacket having circumferentially spaced vertical grooves extending from a plane near its bottom through the top of said jacket, said grooves opening into the interior of the jacket, said jacket also having relatively short horizontal grooves opening into the longitudinal grooves near the upper ends thereof and radial lugs on the burner and extending into the grooves selectively to support the burner near the bottom or top of the jacket.



2,566,441
MAGNETIC RECORD MEDIUM AND METHOD OF MAKING THE SAME
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois
Application April 29, 1946, Serial No. 665,883
4 Claims. (Cl. 18—47.5)

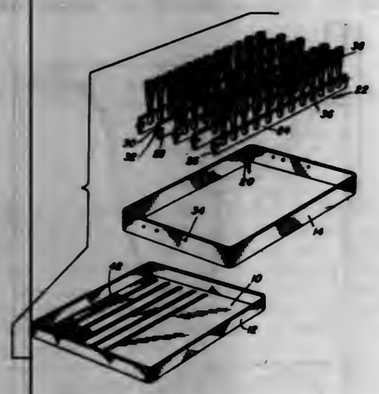


3. The method of making a magnetic record member which comprises extruding a solid filamentary core of high polymeric resinous material, providing a sheath of high polymeric resinous material containing finely divided particles of relatively high coercive force completely about said core, and simultaneously stretching said sheath and core while drawing the member through a die to remove surface irregularities.

2,566,442
FOLDABLE TOILET BRUSH
Luther C. Davis, Thomaston, Ga.
Application June 24, 1947, Serial No. 756,713
4 Claims. (Cl. 15—203)

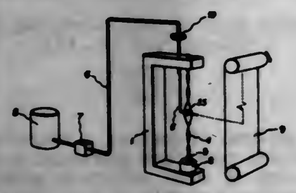
1. A toilet article comprising an open frame including a pair of spaced parallel end walls, a

member including a bottom wall supporting the frame and including an upstanding continuous flange embracing said frame and retaining said frame relative to said bottom wall, a plurality of spaced parallel bristle holding members extending between and rotatably supported by said end walls, said bottom wall including a plurality of spaced parallel recesses extending perpendicular to and between said end walls, said bristle holding members each including a lower edge adapted



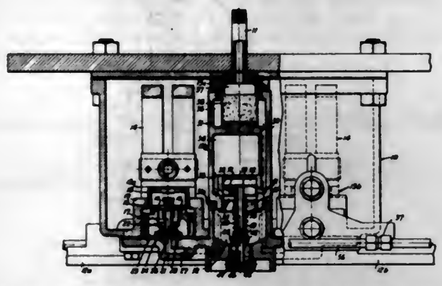
to extend below the lower edge of said frame when the bristle holding members are upright, and spring means between said frame and said bottom wall for yieldingly urging said frame against said bottom wall, said spring means also retaining the lower edges of said bristle holding members in said recesses upon rotation of said bristle holding members on said end walls to an upright position and to a position perpendicular to said bottom wall.

2,566,443
MEASURING INSTRUMENT OF THE RECORDING TYPE
Rune Elmqvist, Bromma, Sweden
Application September 21, 1949, Serial No. 117,054
In Sweden October 1, 1948
4 Claims. (Cl. 346—75)



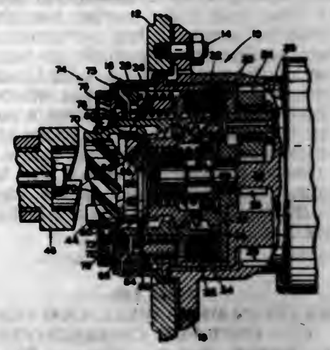
1. In a liquid jet recorder, a frame structure, a nozzle mounted for oscillatory movement in said frame structure, means for projecting liquid in the form of a fine stream of high velocity through said nozzle, means for oscillating said nozzle in accordance with the variations of a variable magnitude to be recorded, and a record receiving member movably mounted in front of said nozzle so as to be struck by the liquid stream issuing from the same and being located at a distance from the tip of said nozzle which is greater than the distance from said tip to the axis of oscillation of the nozzle.

2,566,444
PNEUMATIC TRAIN CONTROL VALVE
Herbert P. Folker, Oakland, Calif., assignor to National Safety Appliance Co., Ltd., San Francisco, Calif., a corporation of California
Application October 25, 1948, Serial No. 56,430
8 Claims. (Cl. 246—190)



1. In a pneumatic train control valve unit of the type adapted to cooperate with stationary track magnets to effect venting of a pneumatic line to thereby cause operation of the train brakes, a normally closed control valve adapted to be opened by a magnetic track impulse, the outflow side of the valve venting to the atmosphere, means forming a condensate collecting chamber, the chamber having the upper portion of the same in communication with the inflow side of the control valve, a relay vent valve arranged to vent the lower portion of the condensate chamber to the atmosphere upon opening the same, and means for effecting automatic operation of said relay vent valve upon opening of said control valve.

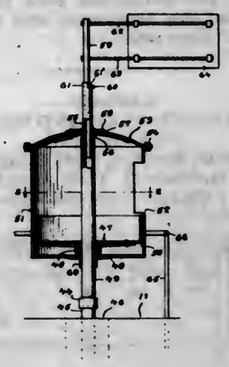
2,566,445
DIRECT CRANKING ENGINE STARTER
Samuel Gilbert, Cedar Grove, N. J., and Frederic H. Miller, Narberth, Pa., assignors to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application April 30, 1947, Serial No. 744,836
4 Claims. (Cl. 74—7)



1. In an engine starter comprising a housing adapted for mounting on an engine casing and having a baffle-plate end portion for position in the casing, an axially stationary rotatably driven hollow nut in the housing having an internal shoulder, a screw shaft in said nut having long-lead thread connection to said nut and capable of axial movement relative to the nut in response to rotation thereof and including a shoulder adapted to engage said nut shoulder for rotation of the shaft with the nut after said axial movement, spring means, and means operative between

said baffle-plate portion and said nut for sealing the housing against the ingress of fluid from the casing, the combination of a jaw member disposed partially in said housing including a cylindrical shank embodying a transverse outer jaw end and having an inner end length splined to said shaft adapting the shaft in its axial movement to move said jaw member through the intermediary of said spring means to engage said jaw member to an engine jaw element and to rotate the jaw member and jaw element to start the engine, said shank having a plurality of round-section spiral grooves therealong of certain depth equally spaced from each other about the outer periphery of the shank and of reverse hand pitch corresponding to the lead of said thread connection, the shank also forming an annular depression of greater depth intersecting the inner ends of said grooves and gradually leading forwardly into the grooves and onto the shank between the grooves, and means on said baffle-plate portion forming a corresponding plurality of tubular pockets correspondingly spaced from each other about the shank, a spring in each of said pockets, and a ball in each of said pockets movably biased by the spring to position against the bottom of any of said grooves and limited in said biased movement beyond said position by the pocket, said balls moving into said depression after engagement of said jaw member with said engine jaw element so as to permit rotation of the jaw member and element to start the engine.

2,566,446
FEEDING DEVICE
Otis L. Gomer, Marquette, Kans.
Application June 2, 1949, Serial No. 96,723
1 Claim. (Cl. 119—51)



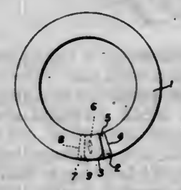
In a feed holder, a casing adapted to be embedded in a base, a vertically disposed hollow standard supported on said casing, a bushing arranged in threaded engagement with the abutting ends of said standard and casing, a horizontally disposed container for holding feed arranged intermediate the ends of said standard, a housing arranged in surrounding relation with respect to said container and mounted for rotation about a vertical axis, said housing being provided with a lateral opening, a cap mounted on the top of said housing, a guide flange surrounding said standard and secured to the bottom of said housing, a collar having its lower end projecting down into the upper end of said standard and provided with an annular shoulder intermediate its ends resting on the upper end of said standard, a skirt portion secured to said collar and to said cap, the upper portion of said collar being provided with an upstanding lip defining a recess, a stem received in said collar and projecting upwardly therefrom, a pin arranged at right angles with respect to said stem and projecting therefrom and in engagement with said recess, and a horizontally disposed vane attached to said stem.

2,566,447
TIDE POWER GENERATOR
James H. Griswold, Redondo Beach, Calif.
Application June 28, 1948, Serial No. 35,663
5 Claims. (Cl. 253—4)



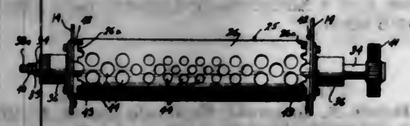
1. A device of the class described adapted to be associated with a body of water at one level and to transport a part of the water to a lower level to convert the potential energy of the water into mechanical energy, comprising a plurality of oscillatively mounted beams, each beam having a bucket on each end thereof, means associated with a body of water and actuated by the beams for filling the buckets of each beam in alternate fashion to cause the beams to oscillate, a main power shaft, lazy tongs, linkage means connected to the beams for actuating the lazy tongs upon oscillation of the beams, and means connecting the lazy tongs to the main power shaft for rotating the main power shaft upon actuation of the lazy tongs.

2,566,448
ANTIFRICTION BEARING ASSEMBLY SEALING MEANS
Ralph M. Heintz, Cleveland, and Walter T. Buhl, Shaker Heights, Ohio, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application February 24, 1945, Serial No. 579,520
1 Claim. (Cl. 288—3)



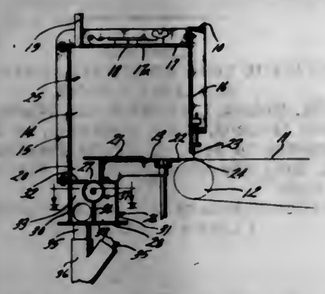
For use in an anti-friction bearing having an inner and an outer race, opposed bearing rolling element surfaces and opposed notches, a sealing member comprising a single strip of springy material with two free ends and the strip being of such predetermined length with respect to the circumferential lengths of said notches that when said sealing strip is fed endwise into said notches the strip resiliently expands into said outer race notch and the two free ends of the strip are flat and circumferentially spaced from each other with one complete convolution of the strip between said two ends.

2,566,449
RECTIFIER ROLL
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application June 26, 1946, Serial No. 679,419
9 Claims. (Cl. 92—44)



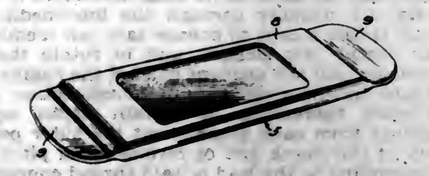
1. A rectifier roll construction for a paper making machine comprising a perforated metal tube, a pair of radially extending disks in spaced opposed relation in said tube inwardly from the end of the tube, the outermost of said disks having a central aperture therethrough, a recessed block extending between said disks and secured thereto, said recessed block having a threaded inner end and a tapered outer end, an axle having a tapered head projecting through the aperture in the outermost disk and snugly seated in the tapered portion of the recess of said block, a bolt extending through said axle and threaded into the threaded inner end of the recess of said block, and a nut threaded on said bolt acting on the outer end of the axle to force the same into wedged engagement in the tapered recess.

2,566,450
FLOW EVENER
Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Application June 26, 1946, Serial No. 679,420
5 Claims. (Cl. 92—44)



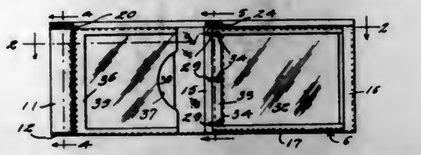
1. In a flow evener for a paper making machine having a partition wall and side walls defining a pair of stock flow conduits adapted to receive oppositely flowing stock streams and to discharge through a common restricted outlet spaced from the partition wall, the improvements which comprise a rectifier roll having a radially perforated cylindrical tube, means journalling the tube for rotation in position interposed between said partition wall and said outlet to extend along the length thereof and cooperating with said partition wall in close running relation therewith to prevent discharge from either of said conduits except through said tube, and radial baffles extending across the interior of said tube and axially spaced along the length thereof to channel stock flow therethrough, said roll serving to merge the oppositely flowing stock streams for concurrent unidirectional discharge through said outlet and said baffles eliminating cross-velocities and eddy current in the merged stock streams flowing through said sleeve.

2,566,451
CATAMENIAL BANDAGE
Josephine M. Julien, Troy, N. Y.
Application March 24, 1950, Serial No. 151,748
1 Claim. (Cl. 128—290)



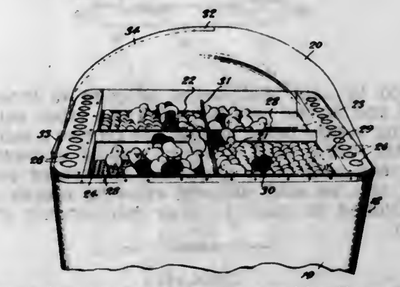
A catamenial pad or bandage composed solely of a mass of highly absorbent tissue paper comprising a plurality of plies held together by the inherent tendency of the tissue paper to adhere together, said pad being of a length substantially greater than its width and being of approximately oblong shape in cross section, said pad being compressed to provide a depression in one side thereof adapted to be disposed next to the body to form a receptacle extending to adjacent the side edges and to near the ends of the pad, said pad having compressed end portions of reduced thickness spaced from the ends of the compression, and said compressed end portions and the compressed central portion of the pad combining to cause the pad to maintain its shape and to resist separation of the tissue paper plies forming the pad, the plies of the area of the pad beneath portions of the depression tending to loosen when moistened to increase the capacity of moistened area to absorb moisture, other portions of the area of the pad beneath the depression retaining their compressed condition to resist spreading of the moistened area to and beyond the margins of the depression and to resist separation of the tissue plies.

2,566,452
NARCOTICS CONTAINER AND BILLFOLD FOR PHYSICIANS
Herbert H. Kersten, Fort Dodge, Iowa
Application October 21, 1949, Serial No. 122,663
1 Claim. (Cl. 150—35)



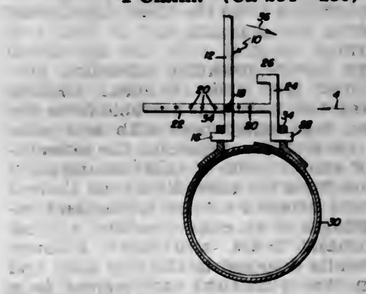
A combination billfold and narcotics container comprising an elongated billfold or wallet formed of a flexible material having an integral transverse sleeve at one end thereof and an integral transverse sleeve intermediate of its ends each formed of an integral part of the billfold or wallet material, a pair of narcotic containers one disposed in and substantially filling each of said sleeves and each having an open end, and removable closures for the open ends of said containers, said wallet or billfold being formed of a single elongated strip of the flexible material folded upon itself substantially intermediate of its ends to form inner and outer plies, said plies being stitched together along a transverse line adjacent the intermediate portion of the strip to form the sleeve located at the end of the billfold, one of said plies constituting the inner ply having a lapped and stitched portion disposed on its external side and forming said intermediate sleeve.

2,566,453
DISPLAY HATCHER
Walter A. Ketay, Huntington, N. Y.
Application September 23, 1947, Serial No. 775,652
8 Claims. (Cl. 119—37)



1. In a display hatcher, the combination of an upper and lower two-part container, a tray for holding eggs and adapted to be temporarily placed near the top of the lower part of said container, a transparent member forming the upper part of said container and being positioned above said tray to allow observation of the actual hatching of the eggs on said tray, air passageways for guiding air within said container, a heater for heating said air, a wet fluid moisturizing the air flowing over said water fluid, air propelling means for moving said air within said container, a sound pick-up element positioned within said container for picking up low volume sounds, and a sound amplifying means outside of said container and connected to said pick-up element for amplifying for the observer the several noises made within said container during actual hatching to thereby have the observer appreciate all of the hatching by noting both the movements and sounds of the animal being hatched.

2,566,454
TOOL FOR EXPANDING AND CONTRACTING CULVERT BANDS
Harry W. Laschke, Iowa City, Iowa, assignor of one-half to Richard R. Tompkins, Iowa City, Iowa
Application March 21, 1950, Serial No. 151,017
1 Claim. (Cl. 254—130)



A tool for expanding and contracting culvert bands having end portions provided with opposing apertured flanges, said tool comprising a lever affording a handle at its upper end, a pivot element provided intermediate the ends of said lever, a cross bar provided with a row of apertures to selectively receive said pivot element whereby the cross bar is adjustably and rotatably connected to said lever, an upwardly and downwardly projecting leg provided at one end of said cross bar, a pair of lugs projecting laterally in opposite directions from the respective opposite ends of said leg, and an additional lug projecting laterally from the lower end of said lever, whereby the last-mentioned lug may coact selectively with either of the first mentioned lugs to engage the apertured flanges of a culvert band.

2,566,455
PROCESS FOR THE CONTINUOUS MANUFACTURE OF VISCOSE PRODUCTS
Robert Levison, Ede, and Barend Jan Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application March 16, 1949, Serial No. 81,844. In the Netherlands May 7, 1948
4 Claims. (Cl. 18—54)

1. A process for the continuous manufacture of viscose threads which comprises extruding a multiplicity of threads through spinnerets into a coagulating bath containing sulphuric acid and salts thereof, passing the threads in parallel relationship linearly through a second bath at such a high speed that the time of passage through the bath is less than ten seconds thereby lowering the xanthate ratio to about 0.02, which is insufficient to permit subsequent complete desulphurization, said second bath being maintained at a temperature in the range of 60° C.–95° C. and containing a lower concentration of acid and salt than that of the first bath, washing the threads free of salts, decomposing the remaining xanthate in the threads to a xanthate ratio below 0.003 by treating them in a solution containing sulphuric acid and sodium sulphate below the bisulphate ratio, and again washing the threads and effecting substantially complete desulphurization, each of said treatments being effected in less than ten seconds.

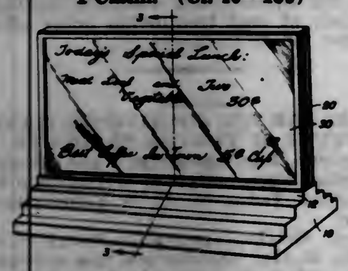
2,566,456
PROCESS FOR THE CONTINUOUS MANUFACTURE OF VISCOSE PRODUCTS
Robert Levison, Ede, and Barend Jan Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Original application March 16, 1949, Serial No. 81,844. Divided and this application December 21, 1950, Serial No. 202,149. In the Netherlands May 7, 1948
4 Claims. (Cl. 18—54)

1. A process for the continuous manufacture of viscose threads which comprises extruding a multiplicity of threads through spinnerets into a coagulating bath containing sulphuric acid and salts thereof, passing the threads in parallel relationship linearly through a second bath at such a high speed that the time of passage through the bath is less than ten seconds thereby lowering the xanthate ratio below 0.02, which is insufficient to permit subsequent complete desulphurization, said second bath being maintained at a temperature in the range of 60° C.–95° C. and containing a lower concentration of acid and salt than that of the first bath, washing the threads free of salts, decomposing the remaining xanthate in the threads to a xanthate ratio below 0.003 by treating them in a solution containing an oxidizing agent, and again washing the threads and effecting substantially complete desulphurization, each of said treatments being effected in less than ten seconds.

2,566,457
MANUFACTURE OF VISCOSE PRODUCTS
Robert Levison, Ede, and Barend Jan Blomberg, Velp, Netherlands, assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application December 21, 1950, Serial No. 202,150. In the Netherlands January 11, 1950
4 Claims. (Cl. 18—54)

1. A process for the continuous manufacture of viscose threads which comprises extruding a multiplicity of threads through spinnerets into a coagulating bath containing sulphuric acid and salts thereof, passing the threads in a parallel relationship linearly through a second bath of such length that the speed at which the thread passes through the bath limits the time of passage to less than one second, thereby lowering the xanthate ratio to about 0.10, which is insufficient to permit subsequent complete desulphurization, said second bath being maintained at a temperature in the range of 60° C.–95° C. and containing a lower concentration of acid and salt than that of the first bath, washing the threads free of salts, treating the threads for less than one second with a dilute sulphuric acid solution maintained between room temperature and 60° C., decomposing the remaining xanthate in the threads to a xanthate ratio below 0.003 by exposing them to the action of steam, and finally removing all of the sulphur except about 0.04% by washing the threads in water above 40° C.

2,566,458
ILLUMINATED SIGN
Jose Adolfo Macau V., Santo Suarez, Habana, Cuba
Application March 29, 1948, Serial No. 17,762
1 Claim. (Cl. 40—130)



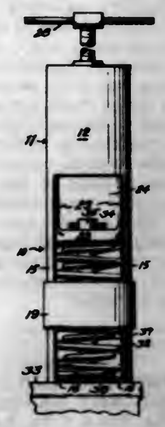
Means for obtaining bold relief effects on transparent glass plates comprising a pair of juxtapositioned substantially rectangular glass plates having lower edges received in said base, a coating of smoke black on the inner surface of one of said plates, a coating of purpurine gold on the inner surface of the other plate, a frame joining the exposed edges of said plates, a mirror supported on the upper edges of said plates and held on the upper edges of said plates by said frame, and a light tube filled with a rare gas mounted in said base directly beneath the lower edges of said plates.

2,566,459
AWNING HINGE
Frank Vernon McCoy, Springfield, Ohio, assignor to The Springfield Tent & Awning Company, Springfield, Ohio, a corporation of Ohio
Application April 26, 1950, Serial No. 158,253
7 Claims. (Cl. 160—81)

4. In a fixture for securing together the adjacent end portions of a front arm and side arm of a U-shaped awning frame, the structure comprising a rigid shell having a first tubular portion having a longitudinal slot therein and a second U-shaped portion having the open end thereof adjacent said slot, each said portion having arm securing means therein extending between opposing side walls, one said securing means enclosed by said shell being adapted to receive a said end of one said arm and the other said securing means being adapted to receive a said end of the other said arm in pivotal engagement whereby said other arm may be rotated toward said arm on said enclosed securing means to be positioned in back to back relationship therewith.

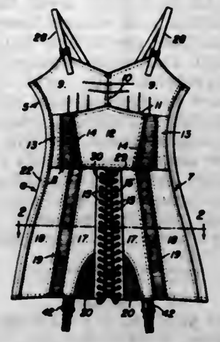


2,566,460
VALVE SPRING COMPRESSING TOOL
Michael P. Mihalic, Detroit, Mich.
Application July 25, 1947, Serial No. 763,473
2 Claims. (Cl. 29—217)



1. In a valve spring compressing tool for engines having overhead valves, a tool body having a cylindrical end and diametrically opposed resilient arms extending from the inner end thereof and constituting the opposite end of said tool body and formed integral with the cylindrical end, said arms having inwardly extending projections at their free ends, a collar slidably mounted on the tool body and movable from the cylindrical end into engagement with said arms toward their free ends for displacing the arms inwardly of one another into parallel relationship for moving the inwardly extending ends thereof into engagement beneath a valve spring and between said spring and an engine portion against which it normally bears, and screw follower means reciprocally disposed in the tool body and movable from the cylindrical end thereof to a projected position between the arms for engaging and compressing the valve spring to permit the removal of the spring keeper, said collar, when in engagement with the resilient arms, retaining said arms in parallel relationship whereby the arms form a guide in which the screw follower means is slidably disposed when in a projected position.

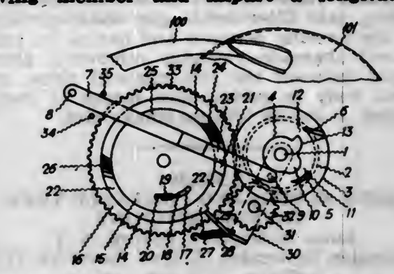
2,566,461
FOUNDATION GARMENT
Patrick J. Morano, New York, N. Y., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York
Application October 13, 1947, Serial No. 779,612
1 Claim. (Cl. 2—30)



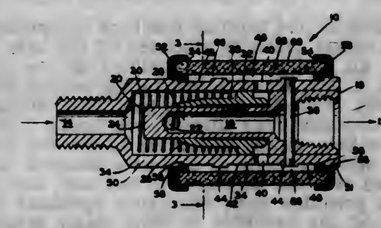
A foundation garment comprising a brassière and a girdle or like body connected thereto, said brassière having a horizontally yieldable partially elastic front lower band portion which is separate from and overlaps the upper front portion of said body outwardly of the latter, and a horizontally yieldable partially elastic under diaphragm-constricting belt for said band portion extending above and below the upper edge of and under the upper front portion of the body, the front portion of said body being open from top to bottom midway between the sides thereof, lacing connecting the edges of the front body sections along said front opening of the body, and a pleat strip disposed across and under the lacing substantially from top to bottom of the body, said pleat strip having its side edges secured to the front body sections at opposite sides of the front opening, each front body section including inelastic panels connected by horizontally yieldable elastic gores extending from top to bottom of said sections, and a horizontally yieldable elastic body constricting belt under each front body section, each body constricting belt being secured at its side edges to the side edges of the associated front body section and extending from near the top of the body section to a point shortly above the bottom of said associated front body section, the diaphragm constricting belt extending under and below the upper portions of said body constricting belts.

2,566,462
CONTROL MECHANISM FOR PHONOGRAPHS
Helge Norén, Edsviken, near Stockholm, Sweden, assignor to Industriaktiebolaget Luxor, Motala, Sweden, a corporation of Sweden
Application May 29, 1946, Serial No. 672,972
In Sweden May 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1965
5 Claims. (Cl. 274—10)

1. In a control mechanism for record changing phonographs of the type having a tone arm and a turntable, an impulse receiving member mounted so as to be turnable and also moveable in longitudinal direction and adapted to be turned constantly in one direction by the tone arm during the playing of a record, and a rotary cam member cooperating with said impulse receiving member and adapted to be driven continuously from the turntable, said cam member being provided with a first cam located in the path of movement of the impulse receiving member and adapted periodically to return the same to a predetermined position in a direction opposite to that in which it is moved by the tone arm, and a second cam to actuate said impulse receiving member and impart a longitudinal movement thereto if the same remains in the predetermined position imparted to it by the first cam, said first cam being provided with an abutment adapted to actuate the impulse receiving member and to impart a longitudinal movement thereto upon a sudden increase of the angular velocity of the tone arm.



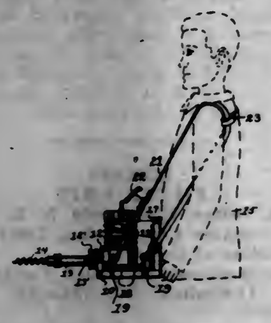
2,566,463
FILTER UNIT
Stephen G. Orban, Bloomfield, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 27, 1948, Serial No. 51,395
11 Claims. (Cl. 183—39)



1. The combination with a suction valve having inlet and outlet openings and a tubular member between, and including a body forming one of said openings and having a reduced-diameter tubular extension coaxial with said one opening, said tubular extension having a bore and forming a guide having side-wall port means opening into said bore and a partition across the extension bore, a sleeve valve axially slidable on the guide controlling fluid flow through the port means and biased toward open position, and a piston on the sleeve, of a tubular housing having the other of said openings and telescopically fitting and connected to the body and forming a cylinder for the piston, venting means in said housing, a cylindrical filter about said housing defining an unimpeded annular chamber between the filter and the housing, a plurality of ridges on said housing defining segmental passages with said filter, said venting means opening from one of said passages into the cylinder between the piston and the body, the housing having a seal-receiving circular-section outer-surface zone between the opposite side of each of said ridges and an adjacent perimetral housing end section of like polygonal contour, a pair of ring-like seals of elastic rubber or the like each having channel rim section having its open
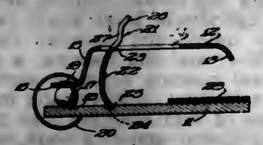
side facing the other, each of said seals being premolded to have inner perimetral portions conform to its said seal-receiving surface zone and to the adjacent polygonal end section, respectively, in removable binding relation thereto, said venting means being between convolutions of helical outer surface groove means of said housing, said filter removably telescopically fitting the housing between and having its ends in the seal channels yieldably removably clamped by and between the seal channel sides, and a helical body in said groove means of material adapted to absorb tobacco smoke tars.

2,566,464
BODY SUPPORTED PORTABLE TREE-TAPPING MACHINE
Louis Redenback, Oxford, N. Y.
Application September 22, 1947, Serial No. 775,506
1 Claim. (Cl. 144—104)



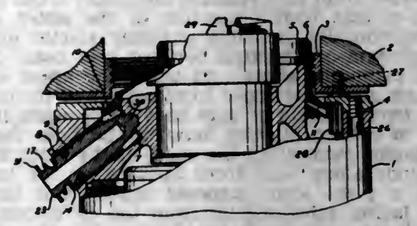
A portable tree tapping machine comprising a base, a rotary machine mounted on the base and having an output shaft extending to the front thereof, a drill bit attached to the output shaft, L-shaped brackets fixed to said base adjacent to the opposite ends thereof, eye hooks fixed to said brackets, straps connected to the eye hooks at the opposite ends of the base adapted to be extended over the shoulders of the user, and said base is provided with elongated openings outwardly of the brackets to form hand grasping portions on the base for steadying the base while the tapping operation is being effected, and a vertically extending pressure plate connected to the base and to the bracket and extending upwardly therefrom and adapted to rest against the abdomen of the user and by which pressure can be brought against the machine and the drill to urge the latter into the tree.

2,566,465
PAPER CLIP BOARD
Frederick P. Robbins, Highland Park, Ill.
Application June 7, 1949, Serial No. 97,633
1 Claim. (Cl. 24—66)



A clipping device comprising a backing member having a first recess formed adjacent one end thereof and another recess adjacent thereto, a clamping element overlying said one end of said backing member and normally extending into contact therewith in spaced relation to said first recess, a bearing member interposed between said backing member and said clamping element and seated in said first recess, said clamping element having a slot therein overlying said second recess, resilient means enclosing said bearing means and acting on said backing member and said clamping element to urge the same into contact, and an elongated lever having one end pivotally seated in said second recess and an opposing end portion projecting through the slot formed in said clamping element into normal surface engagement with said clamping element, said lever having integral shoulders intermediate its length for slidably engaging portions of said clamping element on the sides of said slot, said lever being pivotal with respect to said backing member and said clamping element toward a plane aligned with said second recess and normal to said backing member for retaining said clamping element in open position.

2,566,466
QUICK DETACHABLE STARTER MOUNT
Richard E. Sears, Shaker Heights, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 3, 1948, Serial No. 42,317
1 Claim. (Cl. 123—179)



In combination an engine and a starter therefor both of which have a housing, a rotatable starter jaw, means for securing, adjusting and detaching said starter and engine housings, said housings having complementary engaging threaded members, an internal gear carried by said starter housing, a manually rotatable polygonally headed pinion extending through the starter housing and engaging said internal gear to rotate the latter in either direction to move said starter housing into or out of said engine, automatic locking means resiliently urged upwardly to normally lock said pinion head in any adjusted position, said locking means comprising a polygonally apertured plate resiliently urged upwardly to engage said pinion head in locked relation, a second plate superimposed upon said locking plate having a central aperture to surround said pinion head with clearance and having its upper surface normally flush with the top of said pinion head to preclude manual turning of said pinion until both of said plates have been manually forced downwardly to bring said locking plate out of locking engagement with said pinion head.

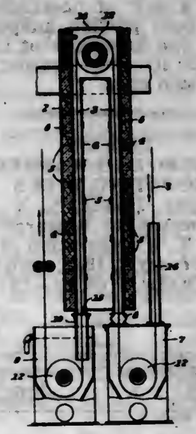
2,566,467
STRIPPING CATHODE
Whitman Symmes, Kellogg, Idaho
Application August 25, 1947, Serial No. 770,502
3 Claims. (Cl. 204—281)

1. A stripping cathode plate having an exposed conductive surface on one of the two sides thereof where metal is to be electrolytically deposited, said plate having an aperture therein, the edge face of the plate defining the aperture being tapered from the conductive surface toward the other side of the plate whereby the area of the aperture increases toward the said other side, an insulating member fixed to said plate on the side
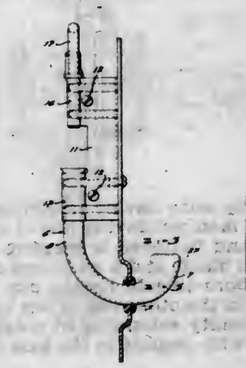


opposite said conductive surface and having an aperture coinciding with the aperture in the plate, the insulating member covering said tapered edge face and extending to said conducting surface.

2,566,468
METHOD OF TREATING ELECTROLYTIC COATINGS
Ewart S. Taylerson, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
Original application June 22, 1942, Serial No. 447,966. Divided and this application March 7, 1947, Serial No. 733,235
6 Claims. (Cl. 204—36)



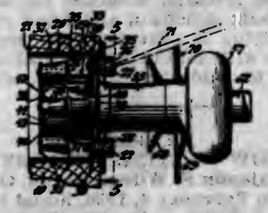
1. The method of treating steel strip having a coating of tin electrodeposited thereon in which the strip while in motion as a strand is heated to the melting point of the coating by passing a controlled electric current therethrough, characterized by passing said strip during said heating by said current through a shield of a heat conducting material around said strip, imparting heat to the outer surfaces of said shield, controlling the amount of heat imparted to said shield independently of said controlled electric current through said strip to maintain said shield at a temperature approaching but below the melting point of tin whereby a uniform melting of the tin coating across the width of the strip is achieved and control of said melting remains in the aforementioned controlled current, and quenching the strip immediately after the tin coating becomes molten.

2,566,469
ANTISIPHONING SPRAY TUBE
Clark A. Tea, Detroit, and Paul F. Aschman, Highland Park, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application February 27, 1946, Serial No. 650,575
3 Claims. (Cl. 137—21)



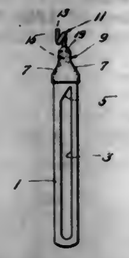
3. A fluid control device for delivering water to a tub including, in combination, a spray tube of U-shape having a nozzle at one end adapted to stand upwardly within the tube and a siphon end adapted to stand upwardly outside of said tub, said tube forming a trap at the bottom portion which is adapted to engage the tub, a delivery tube of smaller diameter than said spray tube, and means for mounting said delivery tube with its axis aligned with the axis of the siphon portion of said spray tube and in spaced relation to said siphon end whereby the force of the downward flow of water into the siphon end of said spray tube will produce a spray of water within said tub from the spray tube nozzle beyond said trap.

2,566,470
DOOR LOCK
Arthur W. Thomas, Los Angeles, Calif.
Application January 11, 1949, Serial No. 70,156
2 Claims. (Cl. 292—337)



1. In a lock structure adapted for use on a door and including a latch-bolt unit insertable in an opening in an edge of the door, said unit having a slidable latch-bolt, the combination of: a housing insertable in a transverse opening in the door; tapered rollers within said housing; an operating member having inclined longitudinal runners engageable with and movable along said rollers, the inclination of said runners corresponding with the taper of said rollers so that said rollers retain said operating member within its plane of sliding movement; and manually operable means for sliding said operating means.

2,566,471
DROP WIRE
Thomas E. Watson, Tewksbury, Mass.
Application March 27, 1948, Serial No. 17,410
9 Claims. (Cl. 139—353)



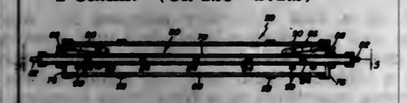
1. A drop wire having in combination a blade, a tubular member having one of its end-portions widened and flattened to receive and retain one end of the blade, and a guide eye of pigtail shape made of boro-silicate having one of its extremities fixed in the other end of the tubular member, such extremity extending in substantially radial direction with respect to the axis of the eye.

2,566,472
AIR BRAKE BLEEDER
Ewell Fletcher Wideman, Wetumpka, Ala.
Application May 19, 1949, Serial No. 94,190
6 Claims. (Cl. 303—80)



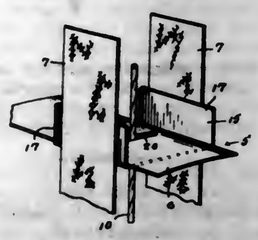
1. In a air brake bleeding mechanism for railroad cars, the combination of a control rod slidable from a closed bleeder to an open bleeder position, a stationary catch, a locking arm pivoted to and slidable with said rod, said arm being provided with a detent engageable with said catch when said rod is in the open position, a lifting member secured to said arm, and a release actuating element pivotally mounted for oscillation in response to movement of a railroad car on which said apparatus is provided, said element being engageable with said lifting member to disengage the detent on said arm from said catch.

2,566,473
SNOW MELTING APPARATUS
Benjamin S. Wilson, Akron, Ohio
Application February 6, 1950, Serial No. 142,662
1 Claim. (Cl. 126—271.2)



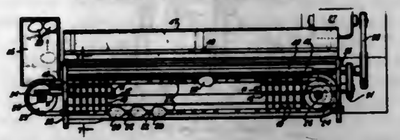
In a flame throwing unit for snow melting apparatus, the combination of a horizontally elongated jacket provided in end portions thereof with air openings, a pair of caps at the opposite ends of said jacket, a fuel conduit supported by said caps and extending longitudinally in said jacket in spaced relation thereto to afford an annular pre-heating chamber, a pair of pre-heating nozzles extending through the respective caps into opposite end portions of said chamber, a row of longitudinally spaced flame throwing nozzles provided on said conduit and extending radially through said chamber to project outwardly from said jacket, and means for delivering fuel under pressure to said conduit and to said pre-heating nozzles.

2,566,474
VENETIAN BLIND TAPE PROTECTOR
Linna L. Woodbury, Kansas City, Mo.
Application May 5, 1949, Serial No. 91,451
5 Claims. (Cl. 160—34)



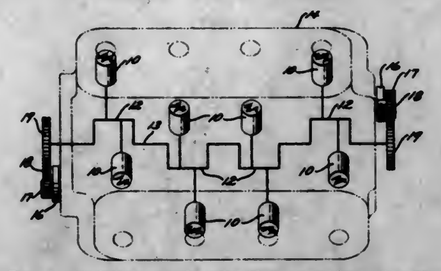
1. In combination with a Venetian blind having a plurality of blind slats supported by tapes at each edge thereof and provided with an elevating cord, a protective mask of channel shaped section providing a base portion having an open-ended slot therein that is adapted to receive the elevating cord of the blind so that said mask may be received beneath the slat of said Venetian blind and a pair of upstanding protective wings on said base portion adapted to extend vertically along the inner side of the supporting tapes and protect the same against damage during cleaning of said slats.

2,566,475
MECHANICAL EGG WASHER WITH ROTATING DISKS
Forrest B. Wright, Ithaca, N. Y., assignor, by mesne assignments, to Research Corporation, New York, N. Y., a corporation of New York
Application February 3, 1947, Serial No. 726,188
2 Claims. (Cl. 51—22)



1. In an egg washer, the combination of a rotating shaft, a series of flexible scrubbing disks widely spaced along said shaft, the spacing being many times more than the thickness of the disk so that their outer zones are loose and free to yield radially and laterally so that an egg can move along thru the entire series of scrubbing disks without breaking, a water supply system for pouring water on the scrubbing disks and eggs to keep the disks clean and wash the eggs, a conveyor for forcing the eggs thru said series of disks from one end to the other, a rotatable backing rail whose axis of rotation is above the center of gravity of the egg, said conveyor and rail being sufficiently close to the scrubbing disks to force the bulk of the egg up in between adjacent loose disks so that its sides may be scrubbed with water as it passes thru the series of disks and the egg scrubbed by first one side and then the other side of the loose disks.

2,566,476
ENGINE BALANCER
Arthur A. Zuhn, East Peoria, Ill., assignor to Caterpillar Tractor Co., Peoria, Ill., a corporation of California
Application April 16, 1949, Serial No. 87,978
3 Claims. (Cl. 74—604)



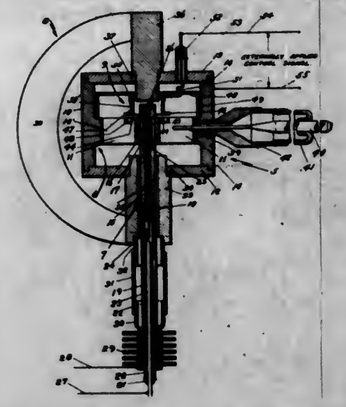
1. In a V-type reciprocating engine having eight cylinders arranged in two banks of four cylinders with each bank inclined at 60° to the other, a crank shaft having all the throws in a single plane, pistons carried for reciprocation in the cylinders, rods connecting the pistons to the throws of the crankshaft, and the cylinders in one bank offset relative to the cylinders in the other bank to allow the connecting rods in corresponding cylinders in opposite banks to be connected to common crank throws in side by side relationship, said engine having a condition of force unbalance and a condition of moment unbalance of the same order and of generally elliptical diagram, two pairs of eccentrically mounted weights, means for rotating said weights in timed relation to said crankshaft, one of said pairs serving to correct force unbalance and having phase position arranged to act as a part of a moment unbalance set, and the other pair of weights being balanced and phased to complete the set which corrects the moment unbalance.

2,566,477
PROCESS FOR THE TREATMENT OF LACTEAL SERA
Ernst Abrahamczik, Herbert Petrovicki, and Friedrich Schaffernak, Heidelberg, Germany
No Drawing. Application January 24, 1949, Serial No. 72,542. In Austria February 3, 1948
12 Claims. (Cl. 99—57)

1. The process of treating whey comprising removing weak acids and salts of weak acids therefrom by passing the whey in contact with an anion exchange material, partially removing metal ions from the treated whey by passing it in contact with a cation exchange material, concentrating the last treated whey, hydrolyzing part of the organic constituents by heating the concentrate to a temperature up to 115° C. and in the presence of a minor portion of a mineral acid, deacidifying the hydrolyzed concentrate by passing it in contact with a hydroxyl ion exchange material and collecting the treated concentrate.

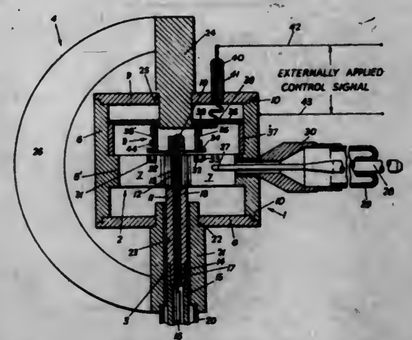
2,566,478
TUNABLE MAGNETRON
Carl W. Becker, Arlington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 6, 1945, Serial No. 586,969
14 Claims. (Cl. 315—40)

14. A tunable electron-discharge device comprising: a cathode; an anode structure, spaced from said cathode, and including a cavity resonator; means adjacent said anode structure for establishing a magnetic field between said cathode and said anode structure in a direction transverse to the discharge path therebetween; and a coil, flexibly supported within said device in the region of the leakage field of said magnetic



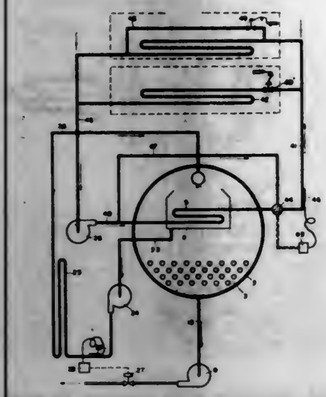
means, and movable with respect to said anode structure for tuning said cavity resonator; said coil being receptive of an external signal for producing a second magnetic field cooperable with said leakage field for controlling the movement of said coil.

2,566,479
TUNABLE MAGNETRON
Carl W. Becker, Arlington, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 30, 1946, Serial No. 694,056
10 Claims. (Cl. 315—40)



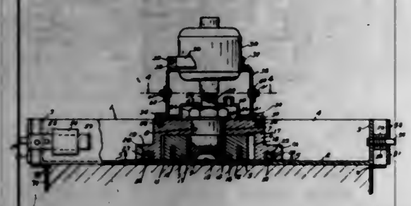
1. The combination with an electron discharge device which incorporates a cathode, an anode spaced from said cathode, and means for establishing a magnetic field in a direction substantially perpendicular to the path of the electron flow between said cathode and said anode, said device producing oscillations having a natural resonant frequency determined by the configuration of said device: of means, supported within said device and movable with respect to said anode, for tuning said device to a frequency other than said natural resonant frequency; and means, supported within said device by said movable means, for damping the movements of said movable means.

2,566,480
DUAL TEMPERATURE ABSORPTION REFRIGERATION SYSTEM
Alexis A. Berestneff, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application March 6, 1947, Serial No. 732,751
9 Claims. (Cl. 62—5)



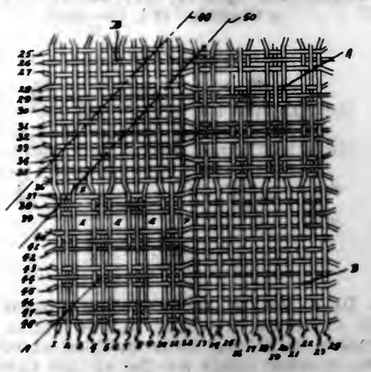
1. In an absorption refrigeration system, the combination of a generator, a condenser, an absorber, and an evaporator having a pool of cooled refrigerant therein, means for controlling operation of said system, a primary heat exchanger, means for circulating cooled refrigerant from the evaporator to the primary heat exchanger, a heat exchange member in said evaporator placed in said pool of cooled refrigerant and adapted to dispose conditioning medium in heat exchange relation with the cooled refrigerant in said evaporator, a secondary heat exchanger, and means for supplying the cooled conditioning medium to the secondary heat exchanger.

2,566,481
LEVELING DEVICE
Albert H. Buell, Erie, Pa.
Application May 2, 1947, Serial No. 745,456
4 Claims. (Cl. 94—45)



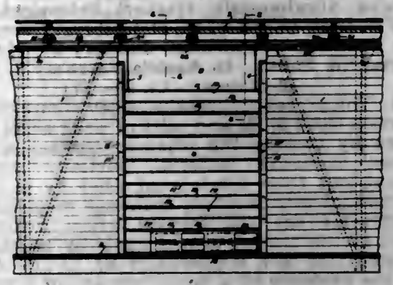
1. A power operated leveling device comprising a vertically extending eccentric shaft having concentric portions, a follower for the eccentric portion of said eccentric shaft, a motor mounted vertically above said eccentric shaft for rotating it, a thrust member for journaling said eccentric shaft and enclosing said follower, a leveling member attached to and movable with said follower, and equalizing members on said base plate of said leveling member spaced in alignment outwardly from said axis of said eccentric shaft, said thrust member having cylindrical recesses for receiving and engaging the side surfaces of said equalizing member.

2,566,482
WOVEN FABRIC
Norman M. Cohen, New York, N. Y.
Application April 14, 1948, Serial No. 21,051
3 Claims. (Cl. 139—416)



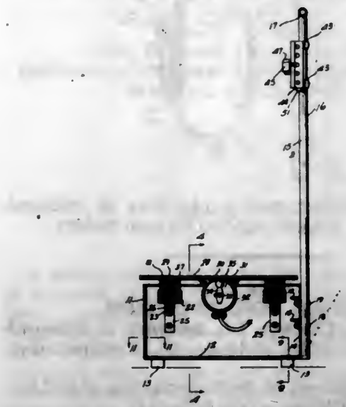
1. A textile fabric composed of lustrous yarn woven together to form blocks, a plurality of said blocks each provided with large passageways arranged in lines across the block to render the block highly porous, the portions of said fabric surrounding said passageways being comparatively tightly woven, a plurality of blocks each of which has a twill weave interconnected by fabric portions comparatively tightly woven in conventional square weave, and the porous blocks and the blocks embodying twill weave being alternately arranged in lines extending transverse and longitudinally of the fabric.

2,566,483
GRAIN CAR DOOR
Hugh A. Coulter, Winnipeg, Manitoba, Canada, assignor to Harold St. Clair Scarth and William Hamilton McKinnon, jointly, both of Winnipeg, Manitoba, Canada
Application November 29, 1945, Serial No. 631,620
2 Claims. (Cl. 20—30)



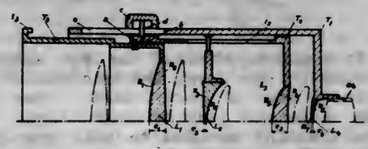
1. The combination with the door posts of a grain car, of similar vertical guide bars secured to the inner faces of the posts adjacent the remote corners thereof, each guide bar presenting an out turned flange secured to the post and an inturned flange formed to provide a vertical guide channel, and a grain door formed from a plurality of similar, metallic door sections having their ends bearing against the posts and provided with inturned end flanges slidably received within the guide channels and each of said sections being provided with double ply top and bottom marginal flanges and a central rib, the ends of the latter flanges and rib stopping short of the end flanges to clear the guide bars.

2,566,484
VIBRATOR MACHINE
Louis G. Coury, Passaic, N. J.
Application October 4, 1949, Serial No. 119,544
2 Claims. (Cl. 128—33)



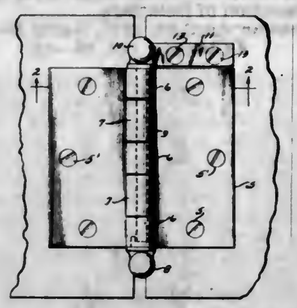
1. In a platform vibrator having a hollow rectangular base, a rectangular platform disposed at the upper side of said base, a motor secured to said platform at the under side thereof and depending into said base, said motor including a shaft, and weights eccentrically carried by the motor shaft for imparting vibration to said platform upon rotation of the motor shaft, means resiliently mounting said platform on said base comprising angle brackets secured to said base one near each corner thereof and projecting inwardly of the base, upwardly opening receptacles secured one on each bracket, solid blocks of resilient material disposed at the under side of said platform within said receptacles, an internally screw threaded insert in each block at the end thereof adjacent said platform, and screws extending through corresponding apertures in said platform and threaded into the corresponding inserts to secure said blocks to said platform, said blocks being received at their ends remote from said platform by corresponding cups carried by said brackets.

2,566,485
AUXILIARY OPTICAL DEVICE WITH VARIABLE MAGNIFYING POWER
Roger Henri Raymond Cuvillier, Paris, France, assignor to Société d'Optique & de Mecanique de Haute Precision, Paris, France, a joint-stock company of France
Application January 16, 1950, Serial No. 138,764
In France January 28, 1949
4 Claims. (Cl. 88—57)



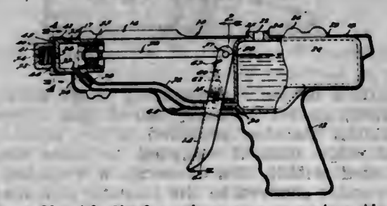
1. An afocal auxiliary optical device of variable magnifying power for attachment to a camera comprising a barrel adapted to be connected at its rear end to the lens mount of the camera, a pair of divergent lenses housed in said barrel at fixed positions along its axis, a second barrel mounted for telescopic movement with respect to said first barrel, and a pair of axially separated convergent lenses housed in said second barrel and movable therewith as a unit, without variation in their separation, relatively to said pair of divergent lenses, one of said convergent lenses lying between the two divergent lenses and the other lying on the side of the divergent lenses remote from the rear end of said first barrel.

2,566,486
HINGE
John W. Gawlik, Bethlehem, Pa.
Application September 27, 1946, Serial No. 699,883
1 Claim. (Cl. 16—169)



A hinge, comprising opposed flat rectangular leaves, spaced interfitting knuckles secured to the inner opposed longitudinal edges of the leaves, a pintle for engagement within the knuckles and pivotally connecting the leaves, a head permanently secured to one end of the pintle, a narrow elongated flat transversely-extending plate rigidly secured to the head and extending transversely thereof and adjacent to the top transverse edge of one of the leaves and parallel to such transverse edge, the outer end of the plate terminating substantially at the outer longitudinal edge of the adjacent leaf, the plate being in the same plane as the adjacent leaf, and means for securing the plate in place, whereby the plate has the appearance of a substantially integral extension of the adjacent leaf.

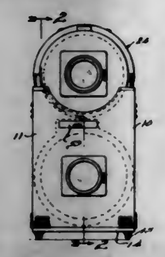
2,566,487
WATER PISTOL
John Gora and John Dale Scarbrough, Wyandotte, Mich., assignors to All-Metal Products Company, Wyandotte, Mich., a corporation of Delaware
Application May 21, 1947, Serial No. 749,526
2 Claims. (Cl. 222—79)



1. In a liquid discharging gun construction, a hollow casing having a barrel portion terminating in a muzzle, a hand grip portion, and a hollow casing section overlying said hand grip portion, a liquid storage tank housed at least partly within said hollow casing section, a cylinder located within said barrel portion adjacent to the muzzle, a piston reciprocable within the cylinder, a trigger movably carried by the casing, a piston-actuating arm within the casing actuatable by the trigger, a liquid conduit connecting the tank to

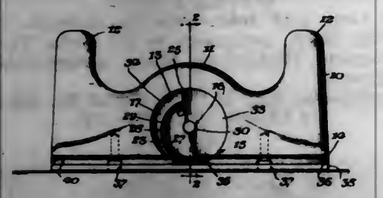
the cylinder, a portion of said tank being interfitted with said casing to retain the tank against movement in one direction, and a filler portion carried by said tank projecting through and from said casing and restraining said tank against movement in another direction with respect to the casing.

2,566,488
COMBINED FABRIC WASHING AND DRYING UNIT
Byron C. Gould, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application April 28, 1945, Serial No. 590,874
8 Claims. (Cl. 68—20)



2. The combination with a casing embodying a base, a pair of spaced side panels secured to said base, a self-contained drying unit removably supported on said panels, a self-contained washing unit also removably mounted on said panels with one of said units mounted above the other, and means within each of said units for agitating the fabrics contained therein.

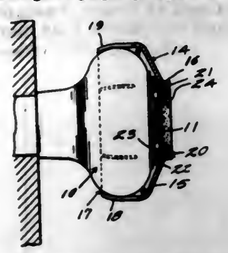
2,566,489
DEVICE FOR HANDLING SHEET MATERIAL
Edward V. Grater, Bronx, N. Y., assignor to Affiliated Machine & Tool Co., New York, N. Y., a partnership
Application June 14, 1947, Serial No. 754,787
3 Claims. (Cl. 294—1)



1. In a device for handling sheet material, a housing, an eccentrically bored cam comprising a circular member provided with a bevel on the front edge thereof adapted to raise the cam mounted within the housing, a gripping plate thereunder secured to the housing and means to urge the cam against the said gripping plate.

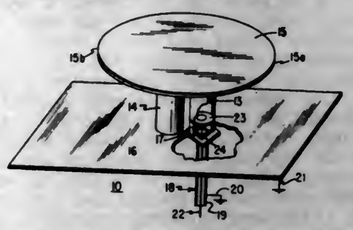
2,566,490
LUMINOUS ATTACHMENT FOR DOOR KNOBS
Bernard Heinz, Scranton, Pa.
Application August 14, 1950, Serial No. 179,351
2 Claims. (Cl. 250—74)

1. A luminous attachment for a door knob having a lock barrel comprising an annular holder having a central opening, a luminous ring projecting through said opening, an annular flange carried by said ring engaging against the inner



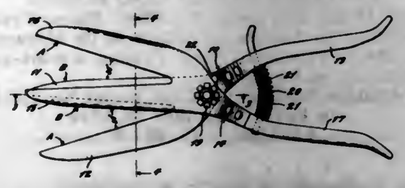
side of said holder, and a plurality of resilient knob clamping fingers carried by said holder.

2,566,491
ANTENNA CONSTRUCTION
Elmer G. Hills, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 15, 1946, Serial No. 654,619
13 Claims. (Cl. 250—33)



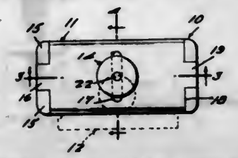
1. An antenna comprising two closely spaced vertically positioned parallel conductors each being only a fraction of a foot in length, a flat loading plate welded to the upper ends of each of said conductors, means for connecting the lower end of one of said conductors to ground, and an insulator separating the lower end of the other of said conductors from ground.

2,566,492
CUTTING SHEARS
Herbert B. Howell, Summit, N. J.
Application February 21, 1948, Serial No. 10,089
6 Claims. (Cl. 30—213)



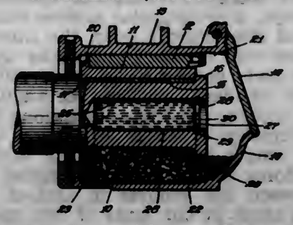
1. In a cutting shear of the type adapted for operation by one hand, the combination which includes a pair of spaced single edged cutting blades, a second pair of single edged cutting blades pivotally secured to said first pair of blades, said pairs of blades each having an inner and an outer blade and being positioned with the cutting edge of the inner blade of each pair cooperating with the cutting edge of the outer blade of the other pair, said inner blades overlapping each other when the shear is open and having their opposed overlapping surfaces spaced apart and a handle secured to each pair of blades for opening and closing the shear, said handles being spaced apart a distance suitable for gripping by one hand of an operator when the shear is open.

2,566,493
BLADE HOLDER
Otto H. Ladd, Lancaster, Calif.
Application February 4, 1949, Serial No. 74,544
1 Claim. (Cl. 30—329)



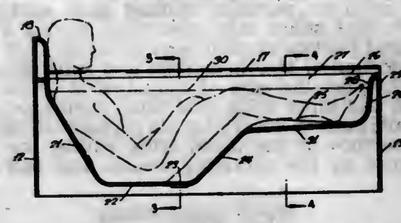
A safety razor blade holder, comprising a pair of opposed plates, said plates being provided at their longitudinal centers with the elongated transverse slots, spaced lugs formed upon the inner face of one plate at its ends, tongues formed upon the ends of the other plate to interlock with the first named lugs, said plates having a transverse guide space between them which is open at its opposite longitudinal edges, a double-edge blade arranged within the guide space and shiftable transversely therein for moving its edges through the open edges of the space and having a reduced opening at its longitudinal center, a pin having a head to bear against the outer face of one plate and extending through the reduced opening of the blade to shift the blade transversely and slideable within the transverse slots, and a nut having screw-threaded engagement with the pin and bearing against the outer face of the other plate, the arrangement being such that the plates and blade are clamped together by screwing up the nut.

2,566,494
HOTBOX ALARM DEVICE
Charles P. Leese, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application December 13, 1946, Serial No. 716,101
3 Claims. (Cl. 308—38)



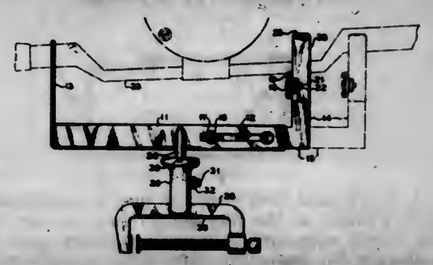
1. In combination with a railway car journal bearing structure and means including a body of absorbent material normally impregnated with a lubricant and positioned to apply said lubricant to said structure; of means defining a closed vessel arranged in close relation to the journal bearing structure at a location above said body absorbent material and provided with fusible portions adapted to melt when the journal bearing structure is heated to a predetermined temperature; one of said fusible portions comprising a partition forming two compartments in said vessel, one for containing an auxiliary supply of lubricant for said absorbent material and one for containing a signal producing substance and another fusible portion providing a closure for the last mentioned compartment.

2,566,495
BATHTUB FORMED WITH BODY RESTS
Gene K. Miyakawa, Baldwin Park, Calif.
Application September 9, 1949, Serial No. 114,885
1 Claim. (Cl. 4—173)



A bathtub comprising a body formed with a top cavity having a relatively deep and wide rear main portion, and a relatively shallow and narrow forward portion, the respective cavity portions having substantially horizontal bottom walls and relatively steep side walls, the main cavity portion having an upwardly and rearwardly-inclined rear wall, an upwardly and forwardly-inclined wall connecting the bottom wall of the main cavity portion to the bottom wall of the narrow forward cavity portion, the bottom wall of the narrow forward cavity portion being formed with a central groove whose bottom wall slopes downwardly and rearwardly, and a vertically-rising headrest portion rigidly secured to the body at the top of the intermediate portion of the rear wall of the main cavity portion.

2,566,496
FISHERMAN'S POLE REST
Domenico Montano, Gloversville, N. Y.
Application May 20, 1949, Serial No. 94,430
6 Claims. (Cl. 248—42)

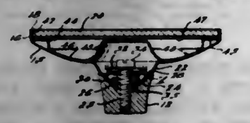


1. A fishing rod holder comprising a support formed with a vertical socket portion, a horizontal sleeve member having a depending rod element receivable in said socket portion, an upstanding hook carried by said sleeve member, a bracket having an arm slidably received in said sleeve member and mounting said bracket parallel to said hook, said bracket being provided with resilient fingers adjustable relative to each other, means for locking said fingers in adjusted positions, and means for locking said arm in adjusted position in said sleeve member.

2,566,497
MIRROR CONSTRUCTION
Charles E. Morley, Detroit, Mich.
Application January 16, 1948, Serial No. 2,626
1 Claim. (Cl. 88—96)

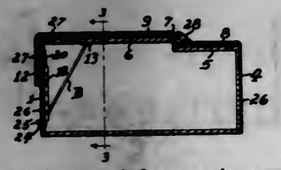
A mirror construction including in combination with a reflective panel, a supporting housing for said panel comprising a pair of nested sheet metal shells including an inner shell having a seat

portion near its periphery, said reflective panel being fitted close to said seat portion, gasketing means interposed between said seat portion and panel, a protective rim portion formed integrally with said inner shell and extending outwardly and at least partially around said gasketing means and panel, said outer shell having a peripheral holding portion bent inwardly over said rim portion of the inner shell and extending inwardly from the edge of the panel to retain the panel and inner shell, said inner shell providing an unbroken enclosure for all portions of the inner surface of the panel lying within the line bounded by the gasketing means, and ball and



socket means including a ball portion formed integrally with said outer shell for supporting the mirror assembly, said supporting means comprising a generally spherical hollow boss portion formed integrally with said outer shell and spaced from the inner shell, and means for securing said boss portion and thereby the remainder of the assembly with respect to a supporting bracket arm or the like, said supporting means including a stud member housed at least partly within said boss and entirely outside of the inner shell, and a reaction element located in said boss portion between the inner and outer shells and bearing against the interior of such boss portion.

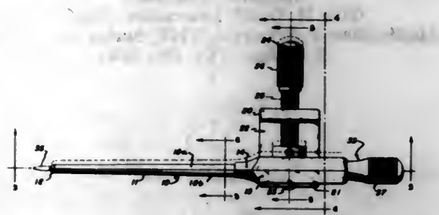
2,566,498
LEG AND FOOT REST
Joseph A. Reverecomb, Hinton, Va.
Application August 25, 1950, Serial No. 181,421
3 Claims. (Cl. 155—169)



1. A leg and foot rest for use in combination with a chair or the like comprising, a base having front, rear and side walls and an open top, a closure for base top comprising a horizontally disposed foot rest at the rear end of the top and a horizontally positionable leg rest at the front end of the base top, the foot rest being disposed in a horizontal plane below that of the leg rest, the leg rest being swingable about a horizontally disposed pivot to selectively elevate the front end of the rest, spaced vertically extending parallel racks on the inner face of the base front wall, an element pivotally connected with the leg rest and provided with a portion adapted to engage the racks, resilient means normally tending to elevate the leg rest and simultaneously engage the element portion with the racks, and means operable to disengage the element portion from the racks.

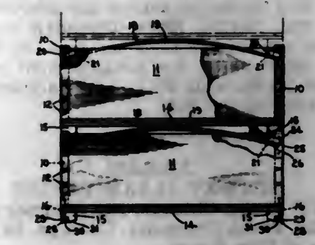
2,566,499
EXPANSILE SURGICAL NEEDLE
Bruno Richter, Glen Ellyn, Ill.
Application February 14, 1950, Serial No. 144,133
2 Claims. (Cl. 128—221)

1. An expansile needle assembly comprising an elongated tubular needle having one end substantially pointed and having at its opposite end an enlargement of rectangular cross sectional shape provided with a counterbore, said needle being longitudinally divided into two substantially identical parts, a U-shaped bracket receiving the enlarged portion of said needle,



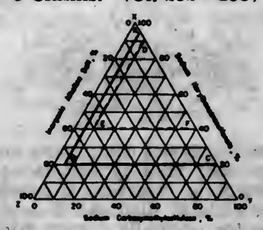
means attaching one part of said needle to one leg of said bracket the other leg of said bracket having a screw threaded aperture therein, a thumbscrew threaded through said aperture, and means rotatably connecting said thumbscrew to the other part of said needle at the end of said thumbscrew adjacent said other needle part.

2,566,500
PACKING BOX
Edward M. Rose and Rodney W. Epps, Sanger, Calif.
Application May 22, 1948, Serial No. 28,648
2 Claims. (Cl. 217—13)



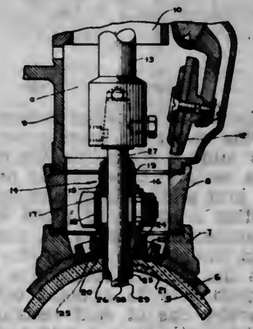
2. A structure of the class described comprising, a box having rectangular spaced parallel wooden ends, a rectangular groove rabbeted inwardly and downwardly from the inner face of each of the end members near the upper edge thereof, a cover consisting of a plurality of normally flat resilient wooden rectangular cover members, a cover cleat attached along both ends of the plurality of cover members, the cover having a length longer than the distance between bottoms of the grooves adapted to be located between the grooves in arched condition with each cleat at the ends of the cover members having its terminal edge located in a respective groove in each end member, spaced sides interconnecting the end members and overlaying the ends of the lid cleats received by the grooves, and a rectangular wooden bottom cleat attached to the lower edge of each end of the box, each bottom cleat being rectangularly rabbeted along its lower outer edge complementarily to the top of each end member and having a projection downwardly extended providing a lower surface inwardly of the rabbeted portion inclined inwardly and slightly upwardly complementarily to the upper inclined surface of the cleat at each end of the attached cover, each projection being of a length longitudinally of its respective cleat substantially equal to the spacing of the sides of the box.

2,566,501
ALKYL ARYL SULFONATE-CARBOXYMETHYLCELLULOSE-ALKALINE SALT DETERGENT COMPOSITION
Clifton E. Smith, Wyandotte, and Thomas H. Vaughn, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application January 30, 1948, Serial No. 5,334
8 Claims. (Cl. 252—138)



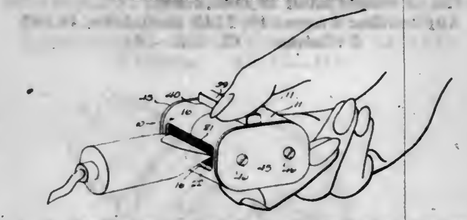
1. A detergent composition consisting essentially of 20–95% by weight of sodium alkyl benzenesulfonate, whose alkyl group contains an average of 12 carbon atoms and is derived from a petroleum distillate fraction boiling in the range of 150–300° C., 5–80% sodium carboxymethylcellulose, and the balance an alkaline compound selected from the group consisting of sodium carbonate, modified soda, sodium metasilicate and the reaction product of sodium carbonate and sodium silicate having an Na_2O/SiO_2 mol ratio of 1 to 2.0–4.2, the maximum amount of said alkaline compound being not over 75%.

2,566,502
CORPORATION STOP AND METHOD OF INSTALLING
John J. Smith, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 13, 1945, Serial No. 588,093
3 Claims. (Cl. 137—73)



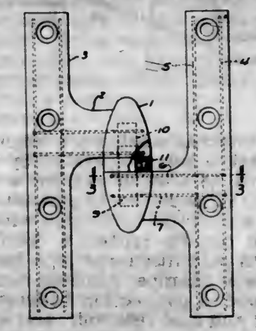
1. A corporation stop comprising an elongated body having a longitudinal flow passage, a valve seat intersecting said passage, a ported, rotatable valve plug in said seat, one end of said body being adapted for engagement by a closure or for connection to a service line and the other end having a threaded portion adjacent said seat for engagement by a packing follower nut and having a reduced neck portion outwardly of said threaded portion adapted to be inserted through a lateral opening in a main, there being a shoulder between said threaded portion and neck portion adapted to limit such insertion, and an annular internal constriction at the extremity of said neck portion engageable by an expanding tool inserted through said passage and plug when the plug is in open position to expand the extremity of said neck portion into locking engagement with the inside edge of a main opening in which said neck portion is inserted.

2,566,503
DEVICE FOR SQUEEZING AND STORING COLLAPSIBLE TUBES COMPRISING A HOLLOW CASING WITH ROLLERS THEREIN
George H. Snyder, Toledo, Ohio
Application March 12, 1948, Serial No. 14,464
3 Claims. (Cl. 222—102)



1. A device for squeezing and storing collapsible tubes comprising a hollow casing including a transverse partition subdividing said casing into spaced chambers, there being an opening provided in one end of said casing in communication with the adjacent one of said chambers for the insertion therethrough of a tube to be collapsed, a pair of rollers disposed in superimposed spaced relation with respect to each other and mounted within said one chamber for rotary movement about spaced transverse axes and adapted to receive said tube therebetween, an exteriorly actuable plunger bar positioned intermediate said chambers and mounted contiguous to one side of said casing for movement toward and away from the other side thereof, resilient means operatively connected to said plunger bar for normally biasing the latter away from said other side of said casing, and means positioned within said casing and operatively connected to said pair of rollers and said plunger bar for rotating the former in response to the movement of the latter toward said other side of said casing, said partition being provided with a passage having its ends in communication with said chambers for the extension therethrough of said tube into the other of said chambers for storage therein.

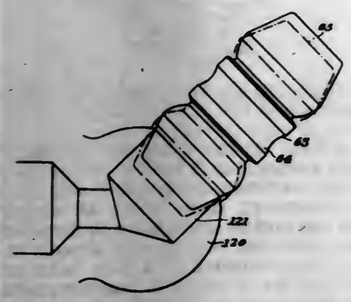
2,566,504
OLIVE KNUCKLE BUTT HINGE
Charles Joseph Soss, Bloomfield Hills, Mich., assignor to Soss Manufacturing Company, Detroit, Mich., a corporation of Maine
Application August 13, 1949, Serial No. 110,143
3 Claims. (Cl. 16—128)



1. An olive knuckle hinge comprising a pair of members hinged together by a knuckle pin and

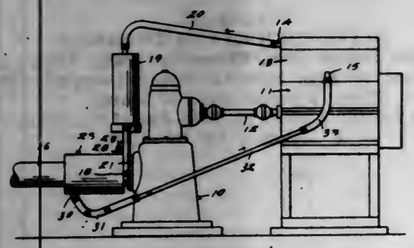
each member comprising a die cast butt, a die cast olive knuckle, and a die cast knuckle supporting arm all integrated in a casting of die cast metal, and a metal frame including an arm with an arch imbedded in the die casting and the butt, the knuckle, and the knuckle supporting arm.

2,566,505
MANUFACTURE OF LUBRICATION FITTINGS
Austin L. Staley, Fox Chapel, Pa., assignor to Universal Lubricating Systems, Inc., Oakmont, Pa., a corporation of Delaware
Application August 18, 1948, Serial No. 44,882
5 Claims. (Cl. 219—10)



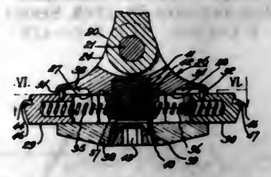
4. A method of making a series of lubrication fittings comprising drilling a plurality of like metal bodies at different angular positions to provide in said bodies differently oriented lubricant delivery passages, assembling with the respective bodies at the respective lubricant delivery passages therein like metal tips, electrically connecting each thus assembled body and tip into a resistance welding circuit and passing electric current through said circuit to weld the tip to the body.

2,566,506
IRRIGATION WELL COOLING SYSTEM
Gustav Thiessen, Henderson, Nebr.
Application April 25, 1949, Serial No. 89,503
3 Claims. (Cl. 123—41.31)



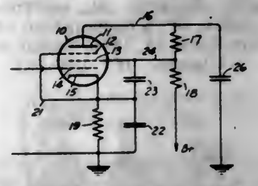
1. In an internal combustion engine having a cooling jacket, a pump operated by said engine and connected to a water well for withdrawal of water therefrom, a discharge pipe extending from said pump, a reservoir connected with the outlet side of said cooling jacket, a cooling member interposed in said discharge pipe having a surrounding water chamber disposed radially of said discharge pipe, a connection between said cooling member and said reservoir, and a connection between said cooling member and the intake side of said jacket.

2,566,507
CYLINDER SLEEVE PULLER
George M. Walraven and Raymond G. Knudsen, Kenosha, Wis., assignors to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware
Application September 23, 1947, Serial No. 775,718
1 Claim. (Cl. 29—283)



A sleeve pulling device comprising an elongated shank, a jaw body tiltably associated with said shank for enabling insertion through a sleeve, opposed jaws slidably disposed in said jaw body, spring means for normally urging said jaws outwardly to engage the lower peripheral edge of a sleeve, means for limiting the extension of said jaws, an adjustable jaw engaging plate, and means including said adjustable jaw engaging plate for maintaining said jaws in a preset extent of adjustment, said jaw body being a tangential diametrical portion of an otherwise circular member to permit insertion in a sleeve for jaw engagement thereunder for the purpose set forth.

2,566,508
AMPLIFIER NETWORK
Howard M. Zeidler, Palo Alto, Calif., assignor to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California
Application December 2, 1947, Serial No. 789,282
3 Claims. (Cl. 179—171)



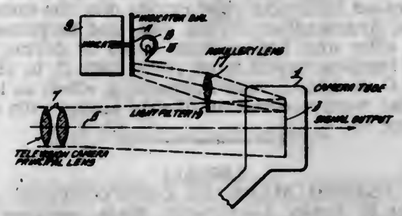
1. In an electronic amplifier network for amplifying a wide range of frequencies including relatively low audio frequencies, the network incorporating a vacuum tube having plate, screen grid, control grid and cathode elements, a plate circuit including a source of plate voltage and two serially connected resistors (R_1 and R_2) serving to connect the positive side of the plate voltage source to the plate, a conductive connection from the screen grid to a point between said resistors whereby one of said resistors (R_1) is connected between the screen grid and the plate, a biasing resistor (R_k) connected from the negative side of the plate voltage source to the cathode, a condenser (C_2) connected between the screen grid and the cathode, another condenser (C_k) shunted across the biasing resistor, and an input circuit having one side of the same connected to the control grid and the other side of the same connected to the negative end of the plate voltage source, said resistors being proportioned substantially in accordance with the mathematical relationship

$$R_2 = R_k \frac{G_m R_1 (\mu_{sg}+1)}{\mu_{sg} - G_m R_1}$$

where R_1, R_2 and R_k are the values of resistors identified above, G_m is the mutual conductance

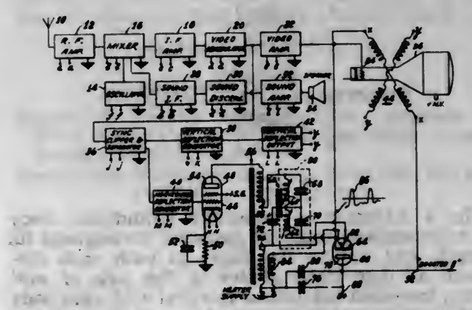
of the control grid with respect to the plate current, and μ_{sg} is the amplification factor of the screen grid with respect to the control grid.

2,566,509
TELEVISION CAMERA WITH INDICATOR
James E. Albright, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 19, 1946, Serial No. 717,163
1 Claim. (Cl. 178—6.8)



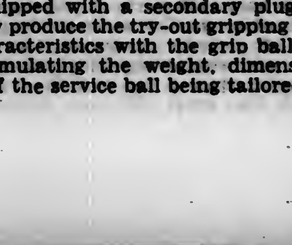
In a television system including a camera tube having an image electrode and a principal lens associated with said camera tube, an indicator dial, an auxiliary lens, said auxiliary lens positioned between said image electrode and said indicator dial to project an image of a portion of said dial on a predetermined portion of said image electrode, and a light restricting element, said light restricting element positioned in the light path substantially only between said principal lens associated with said camera tube and said predetermined portion of said image electrode.

2,566,510
POWER SUPPLY SYSTEM
Allen A. Barco, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1949, Serial No. 107,575
23 Claims. (Cl. 315—27)



1. In an electrical circuit the combination of a signal transformer having a first and second galvanically separable winding with a third winding bifilarly wound with said second winding, utilization means having a set of relatively low frequency input terminals and a set of relatively high frequency input terminals, connections between said utilization means high frequency input terminals and said first and second transformer windings for excitation thereof, means for substantially galvanically isolating said second and third windings from said utilization means and from said first winding, a connection from said utilization means low frequency input terminals to respective points on said second and third transformer windings, a source of low frequency energy and connections from said source of low frequency energy to two other respective points on said transformer second and third windings for supplying through said second and third windings low frequency energy to said utilization means low frequency input terminals.

2,566,511
MEASURING DEVICE FOR BOWLING BALLS
Julius J. Bassi, Monrovia, Calif.
Application January 27, 1948, Serial No. 4,633
8 Claims. (Cl. 33—174)



1. In tailoring assemblages for obtaining the grip characteristics for custom-made bowling balls, a grip ball having a pair of spaced openings of similar diameter and each extending inward in radial direction of the ball with each opening of circular contour and of uniform diameter, each opening being dimensioned oversize as compared with gripping hole dimensions, said openings forming individual zones within which tailoring of the gripping hole is developed, a plurality of individual primary plug members for and having the contour and dimensions of said ball openings and each having at least one circular opening oversize as compared with the gripping hole dimensions with the opening extending in the direction of length of and eccentric to the plug axis to constitute each member as a primary plug cylinder, and a plurality of individual secondary plug elements of circular peripheral contour for each primary cylinder opening and each dimensioned to fit within its primary plug cylinder opening, each secondary plug element being formed with an opening extending lengthwise therethrough and eccentric to the axis of the plug element and adapted to serve as a gripping hole to thereby constitute the secondary elements as individual secondary cylinders adapted to be mounted interchangeably within primary plug cylinder openings, each of the primary and secondary cylinders being mountable for rotatable adjustment about its axis, said primary and secondary plug cylinders each having marginal calibration indications cooperative with complemental indications carried by the margins of the openings for receiving the cylinders to thereby provide tailoring indication data for the production of the service ball, whereby the grip ball may be prepared for "try-out" conditions by selectively equipping the ball openings each with a primary plug cylinder with the latter selectively equipped with a secondary plug cylinder to thereby produce the try-out gripping holes and their characteristics with the grip ball approximately simulating the weight, dimensions and balance of the service ball being tailored.

2,566,512

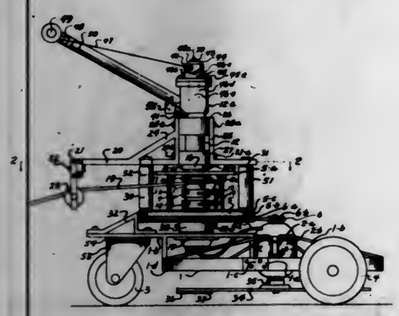
TAKE-UP REELING MECHANISM FOR ELECTRICALLY OPERATED LAWN MOWERS

James L. Bilderbeck, Jacksonville, Fla.

Application May 19, 1949, Serial No. 94,135

5 Claims. (Cl. 242—91)

1. In a machine of the kind described the combination comprising a frame, a motor clamped on said frame, a main shaft supported in a vertical position on said frame, a handle bar attached to the top of said main shaft, a power cord connected to said motor, a reel carrying said power cord, said reel being rotatably mounted on and around said main shaft under said handle bar, a clutch connected to said reel and means by which



said clutch is driven and regulated so as to produce desirable tension in said power cord as it is reeled in or reeled out during operation; said frame comprising an outer ring portion being connected to an inner band by welded struts; said ring portion and said inner band each being a clamping device for vertical adjustment of said motor.

2,566,513

ALUMINUM ARTICLE COATED WITH HEAT-SEALABLE COMPOSITION

George H. Bischoff, Fort Devens, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 10, 1948, Serial No. 48,753

3 Claims. (Cl. 117—122)

1. An aluminum article having a highly adhesive heat-sealable coating thereon comprising, on a weight basis, 100 parts of polyvinyl butyral, 15–60 parts of nitrocellulose and 5–50 parts of butyl ricinoleate.

2,566,514

ALUMINUM ARTICLES COATED WITH HEAT-SEALABLE COMPOSITION

George H. Bischoff, Fort Devens, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 10, 1948, Serial No. 48,754

3 Claims. (Cl. 117—122)

1. An aluminum article having a highly adhesive heat-sealable coating thereon comprising, on a weight basis, 100 parts of polyvinyl butyral, 15–60 parts of nitrocellulose and 5–50 parts of a monoester of glycerin made with an aliphatic carboxylic acid containing ethylenic unsaturation and more than 9 but less than 21 carbon atoms.

2,566,515

DRYING OIL COMPOSITION

Joseph D. Danforth, Grinnell, Iowa, assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 18, 1947, Serial No. 774,885

8 Claims. (Cl. 260—404)

1. A process for the production of a composition of matter having drying properties which comprises co-bodying an unsaturated amine containing at least one alkenyl radical with a drying oil selected from the group consisting of the unsaturated fatty acid ester drying oils, the unsaturated hydrocarbon drying oils, and mixtures of said ester and hydrocarbon types of drying oils at a temperature of from about 150° C. to about 300° C. and for a time sufficient to effect at least partial copolymerization of said amine with said drying oil.

2,566,516

PLASTIC MARKING COMPOSITION

Elmer R. Derby, Leominster, Mass., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts

No Drawing. Application November 16, 1948, Serial No. 60,390

2 Claims. (Cl. 260—23)

1. A plastic marking composition consisting substantially of about 10%–17% by weight polyvinyl butyral, about 23%–35% by weight n-cetyl acetamide, about 2% by weight stearic acid, about 38%–45% by weight clay, and about 15%–20% by weight coloring matter.

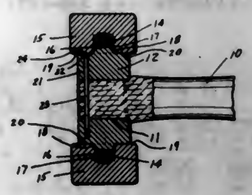
2,566,517

SOFT FACE HAMMER

Byron R. Dicks, Lebanon, Ind.

Application March 25, 1947, Serial No. 736,968

1 Claim. (Cl. 145—36)



In a hammer, a generally cylindrical body of substantially uniform diameter throughout its length and having flat faces at both ends disposed at true right angles to the axis of said body, threaded extensions integral with said body and projecting axially therefrom at each of said body ends, detachable heads for each of said extensions, each of said heads having an interiorly threaded centrally disposed socket to be engaged with the threads of said extensions in face to face contact with the respective faces of said body, said body having a transversely disposed handle receiving opening in its midportion and a longitudinally disposed bore extending from one end adjacent the other end thereof through said opening and offset laterally of said extensions, and a safety pin freely receivable in said bore to extend through a handle received in said opening and sealed therein by said detachable heads.

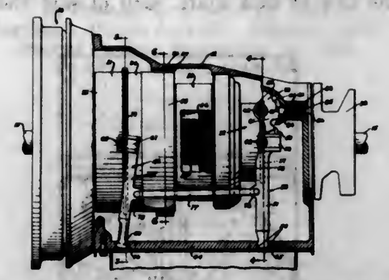
2,566,518

AUTOMATIC TRANSMISSION

Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application December 22, 1945, Serial No. 636,958

17 Claims. (Cl. 74—732)



1. In a variable speed power transmission, in combination, a housing, a power shaft and a load shaft, a hydraulic unit arranged to transmit torque between said power and load shafts, a multiple planetary gearing system interposed between said power and load shafts, means associated with said planetary gearing system automatically operable under predetermined conditions to change from one speed ratio to another, a rotatable member associated with said planetary gearing system and adapted when retarded to condition said planetary gearing system to transmit torque in reverse speed, a second rotatable member associated with said planetary gearing system and adapted when retarded to condition said planetary gearing system to transmit torque in forward speed, a shiftable reaction member carried by said housing, cooperating gear teeth on said reaction member and one of said rotatable members, manually operable means for moving said reaction member into interlocking engagement with said last mentioned rotatable member, an anti-creep brake frictionally engageable with one of said rotatable members to retard the same, and automatically operated means for applying said brake at idling speeds and for releasing said brake at higher speeds.

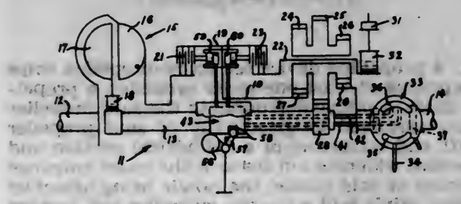
2,566,519

AUTOMATIC TRANSMISSION

Eugene J. Farkas, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application December 29, 1945, Serial No. 637,846

11 Claims. (Cl. 74—752)



1. In a variable speed power transmission for a vehicle, in combination, a power shaft, a load shaft, gearing interposed between said power shaft and said load shaft and arranged for selective operation to transmit torque at a plurality of different speed ratios, fluid pressure actuated means for effecting said selective operation, a fluid pump supplying activating fluid under pressure to said means, means for varying the pressure of the fluid supplied by said pump in accordance with the load upon the vehicle, a governor controlled valve for controlling the flow of fluid from said pump to said first mentioned means, a fluid chamber adjacent said valve, and means admitting said variable fluid pressure from said pump into said fluid chamber to modify the movement of said valve by said governor.

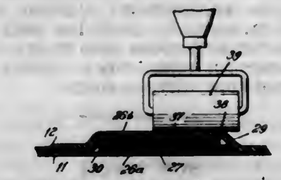
2,566,520

METHOD OF MAKING CLOSURE FLAP STRUCTURES

Cecil H. Fitterling, South Bend, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana

Original application December 9, 1946, Serial No. 714,958. Divided and this application July 3, 1950, Serial No. 171,983

4 Claims. (Cl. 12—142)



1. The method of making an overshoe of the class described which said method comprises preparing an elongated folded flap forming insert with the fold extending lengthwise thereof, then inserting in the insert a plate having an upturned cutting edge extending along a free edge of the folded insert and interposing said insert and plate between a lining and a facing blank, then after securing the insert to the lining and facing and the lining and facing to one another, pressing the facing against said cutting edge and thereby forming a slit in the facing, and then removing the said plate from the insert through said slit.

2,566,521

ALUMINA-PLATINUM OXYSULFIDE-HALOGEN CATALYST AND ITS PREPARATION

Vladimir Haensel, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 16, 1948, Serial No. 60,382

17 Claims. (Cl. 252—439)

17. A catalyst prepared by heating at a temperature of from about 800° to about 1200° F. a composite of a platinum sulfide previously subjected to an oxidation treatment and alumina having combined therewith a halogen in an amount of from about 0.1% to about 8% by weight of said alumina on a dry basis.

2,566,522

SLIDING DOOR HANGER DEVICE
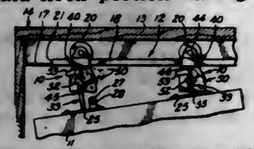
Herbert Hezlep, Jr., Pasadena, Calif.

Application May 15, 1950, Serial No. 161,989

6 Claims. (Cl. 16—89)

5. A hanger device for suspending a door from a horizontal, overhead track, comprising: a first hanger member adapted to be detachably connected to the upper end of the door and provided with a horizontal keeper bar extending transversely of the door; a second hanger member projecting upwardly from said first hanger

member; a roller rotatably mounted on said second hanger member at one side only thereof, said roller being disposed with its plane in alignment with the plane of the door at the transverse center thereof and adapted to roll along the track; a latch member pivoted on said second hanger member, said latch member having a hook portion underlying said keeper bar to detachably connect said first and second hanger members, said hook portion having a cam edge



engageable by said bar, by which said latch member can be pivoted to an inoperative position in response to relative movement of said first and second hanger members toward each other, said latch member being gravity-actuated to adapt it to pivot to an operative position wherein its hook portion normally underlies said bar when said bar is disposed above said hook portion; and locking means for releasably retaining said latch member in its operative position.

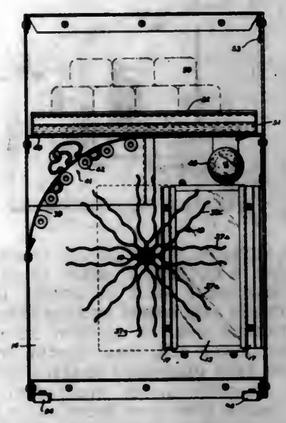
2,566,523
SUN VISOR
Robert H. Holland and Thomas W. Stephenson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application November 12, 1947, Serial No. 785,446
1 Claim. (Cl. 296—97)



A sun visor assembly adapted to be mounted upon an automobile body comprising, an elongated supporting member having a portion out-of-round in cross section, said out-of-round portion having two opposed arcuate sides and two opposed sides intermediate said arcuate sides, and a visor unit having a socket formed therein, said socket being out-of-round in cross section and having two opposed arcuate sides, the distance between said socket arcuate sides being slightly less than the distance between the opposed arcuate sides of said supporting member to frictionally hold said visor unit in selected positions on said supporting member, said socket also having an arcuate outer side and a base portion opposite said arcuate outer side, the distance between said arcuate outer side and said base portion being greater than the distance between the opposed arcuate sides of said supporting member to permit slidable adjustment on said supporting member.

2,566,524
ROASTING MACHINE
Herman D. Kammins, Chicago, Ill., assignor to Buka, Inc., a corporation of Illinois
Application February 21, 1950, Serial No. 145,477
2 Claims. (Cl. 99—427)

1. A machine for barbecuing sausage-like articles comprising a housing, a rotatable shaft mounted for rotation within said housing, driving means for rotating said shaft, heating means in the housing rearwardly of the shaft position, a plurality of pairs of alined spaced clamping elements supported on said shaft and extending radially outwardly relative to the axis thereof, said pairs of elements being angularly spaced relative to the axis of said shaft, each of said elements



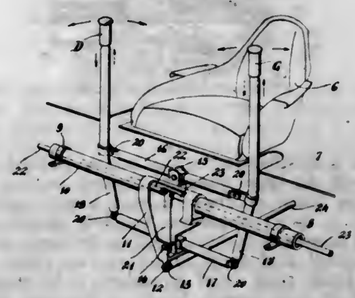
including two resilient fingers in spaced confronting relation to each other, each of said fingers arranged so that confronting portions of the respective fingers cooperatively define a plurality of pockets, each receiving and resiliently securing one end of a sausage-like article so that the said articles are sustained in substantially parallel relation to the axis of the shaft and in radially spaced relation to each other.

2,566,525
SCREW PROPELLER AND NOZZLE SHIP PROPULSION ASSEMBLY
Ludwig Kort, Hannover, Germany
Application November 3, 1949, Serial No. 125,312
In Germany February 24, 1949
3 Claims. (Cl. 115—42)



1. A propelling device for screw-propelled ships comprising at least one screw propeller, a propeller shaft, a nozzle surrounding the said propeller being arranged longitudinally of said propeller shaft and consisting of a cylindrical portion and a portion widening out towards the water entrance opening of said nozzle, the nozzle being attached to the ship's hull with the widening out portion being positioned in front of the propeller to a water flow entrance opening whereby a funnel-shaped part is formed, said nozzle being provided with a rounded edge at the water entrance opening of the nozzle and with a similarly rounded edge at the flow exit opening thereof and a water flow deflector strip attached to and projecting from the inside face of said funnel-shaped part of the nozzle.

2,566,526
AIRCRAFT CONTROL SYSTEM
Jacques Lecarme, Paris, France, assignor to Société Nationale De Constructions Aeronautiques du Sud-Est, Paris, France, a corporation of France
Application April 19, 1946, Serial No. 663,457
In France September 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 18, 1964
2 Claims. (Cl. 244—83)



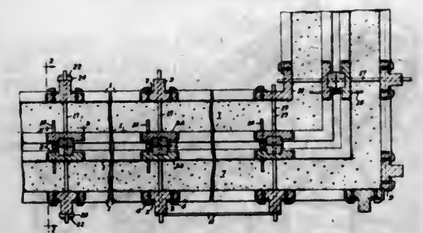
1. A flying control device for aircraft or the like, comprising two substantially vertical control sticks located on either side of the pilot's seat, two horizontal cross bars extending in the transverse plane of the aircraft and pivotally connected to said control sticks with which they form an articulated parallelogram, a transverse tube adapted to rotate in bearings secured to the framework of the aircraft, aileron control rods axially movable in said tube, a frame member connected to said tube, said cross bars being pivotally connected at their centre portion to said frame member, an elevator control rod pivotally connected to the lower part of said member, said member carrying integral with one of the cross bars, a lever operatively connected to said aileron control rods, whereby the elevator control is actuated when said control sticks are moved forward or backward in unison and the aileron control is actuated when said sticks are moved upward or downward in opposite directions.

2,566,527
DRIPLESS CONTAINER
Elizabeth S. Lilly, Wilmington, Del., assignor to Carole W. Freed, Wilmington, Del.
Application August 29, 1950, Serial No. 182,091
6 Claims. (Cl. 222—571)



1. Means for dispensing liquids from a container which comprise an asymmetric lip projecting from the upper rim of said container and so positioned that one wall of the lip forms a different angle with the adjacent side wall of the container than does the other wall of the lip with the side wall adjacent to it, thereby forming a curved channel for the liquid.

2,566,528
SHUTTERING FOR USE IN THE MANUFACTURE OF CONCRETE STRUCTURES
Robert Mackie, Glasgow, Scotland
Application July 13, 1949, Serial No. 104,495
In Great Britain July 15, 1948
3 Claims. (Cl. 25—131)



1. Shuttering for use in manufacturing a cavity wall, including panels flanged along their vertical edges, uprights in the cavity in the formation of the wall, said uprights being adapted to receive the flanged edges of said panels, each upright having a vertical edge face formed with notches, withdrawable distance pieces to hold said uprights apart, filling pieces pivoted to each of said uprights and each engageable with a notch of the respective upright, each filling piece being so proportioned that, when it is fully engaged with the respective notch, there is a gap between the bottom of said notch and the adjacent face of the filling piece, all said uprights and said distance pieces being formed with transverse slots, the slots in adjacent uprights and distance pieces when in register forming passageways through the assembled shuttering, and gauge bars each having a face notched in accordance with the spacing of said uprights and said distance pieces, each gauge bar being adapted to be inserted through a respective passageway, the notches in said gauge bars being engageable with the lower edge portions of the slots in said uprights and in said distance pieces.

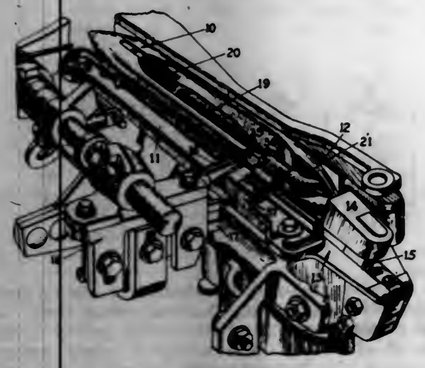
2,566,529
COATING OF PAPER
John Alexander Montgomerie, Cambuslang, Scotland, assignor to Chemical Manufacturing Company, Dublin, Eire
No Drawing. Application February 14, 1948, Serial No. 8,307
11 Claims. (Cl. 106—144)

1. A paper-coating composition having a continuous phase of an aqueous alkaline solution of casein, and dispersed therein a vegetable resin, at least a part of which is in the form of an alkali-metal resinate, the ratio of the total vegetable resin to the total casein in the composition, by weight, being between 1:1 and 1:3.

2,566,530
LOOM SHUTTLE AND SHUTTLE BOX THEREFOR
Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 25, 1949, Serial No. 78,317
16 Claims. (Cl. 139—183)

1. In a loom the combination of a fly shuttle and a box and lay end structure within which said shuttle is retained at the end of its flight and preparatory to being picked for its return

movement, said shuttle having a threading block, a side eye and a thread groove passing through the outlet plane of the side eye and a continuous, substantially unobstructed and planar front side extending from the base of the shuttle substantially to the level of said thread groove posi-



tioned above the horizontal center of the shuttle, and said box structure including a front box plate having a substantially unobstructed, continuous frictional surface positioned to engage the said planar surface of the shuttle and having an uppermost horizontal edge disposed below the said thread groove in the shuttle.

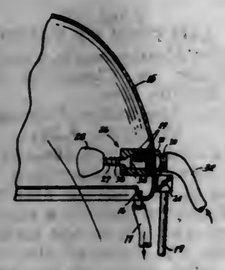
2,566,531

PORTABLE HEAD STEAMER

Moses Daniel Nissenbaum, Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-third to Wade M. Wybrants, New York, N. Y., one-third to William Wybrants, Bronxville, N. Y., and one-third to Adel Wybrants, Bronxville, N. Y.

Application January 25, 1947, Serial No. 724,320

2 Claims. (Cl. 4—165)



1. In a head steamer of the character described, the combination of means including a discharge nozzle adapted to direct a gaseous medium onto the head of a person, a valve having a movable operating member for controlling the flow to said nozzle, spring means adapted to urge said operating member to a predetermined position, a frame supporting said means and valve and a rest member carried on said operating member adapted to be leaned against by the back of the head of the person and when pressed by moving the head backward to move the operating member to adjust the flow to the discharge nozzle.

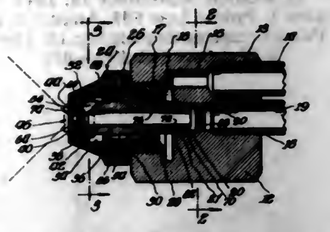
2,566,532

COMBUSTION SPRAY NOZZLE

Eugene O. Olson, Des Moines, Iowa, assignor to Delavan Manufacturing Company, Des Moines, Iowa, a corporation of Iowa

Application August 20, 1947, Serial No. 769,661

4 Claims. (Cl. 299—120)



1. In a combustion spray nozzle having a nozzle block, an inlet channel formed in said block, a nozzle body secured in said block, said body having a swirl chamber formed therein, tangential passages communicating between said inlet channel and swirl chamber, an axial nozzle outlet from said swirl chamber, a by-pass bore formed in said nozzle block, a by-pass channel formed in said nozzle body leading axially from said swirl chamber and communicating with said by-pass bore, said by-pass channel being of less cross-sectional area than the cross-sectional area of said by-pass bore, the improvement comprising an interceptor plug secured in said by-pass bore at a point remote from said by-pass channel, said interceptor plug having an opening therein of less cross-sectional area than said by-pass channel.

2,566,533

METHOD OF MAKING HOT AND COLD PACKS

Noel J. Poux, Meadville, Pa.

Application July 5, 1947, Serial No. 759,017

5 Claims. (Cl. 18—59)



1. The method of making a device of the class described which comprises providing a plurality of elongated tubular members with each made from a relatively thin and flexible impervious material, securing together the opposed inner walls of each of said tubular members at least along one longitudinal edge thereof so as to provide a rib-like portion along said edge, positioning the tubular members in side-by-side relation with the rib-like portion of one overlapping the rib-like portion of the next succeeding tubular member, securing together the tubular members at said overlapped rib-like portions, disposing a quantity of a liquid in each of said tubular members, and securing together the opposed inner walls of each of said tubular members at spaced-apart intervals transversely thereof so as to provide a unitary body member having a series of permanently sealed and independent liquid-containing compartments.

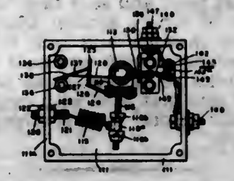
2,566,534

MAINTAINED PRESSURE SNAP SWITCH

Raymond Reger, Anderson, Ind., assignor to The Pierce Governor Company, Inc., Anderson, Ind., a corporation

Application September 8, 1947, Serial No. 772,715

10 Claims. (Cl. 74—97)



1. Mechanism suitable for valve and switch control purposes comprising in combination a pair of spaced abutments, a second pair of spaced abutments, the two pairs being spaced apart, an elongated multiple pair of bridging type articulated spring structures having substantially free ends disposed between the respective pairs of abutments and comprising a pair of longitudinally disposed abutment contacting elements, a force applying member associated with the said spring structure between the ends thereof for shifting the ends thereof for control purposes, a pair of fulcrums for the adjacent ends of said elements and having a tension connection between said elements, one of said fulcrums being stationary and the other being movable by the force applying member and in a direction generally transversely of the direction of elongation of said spring structure.

2,566,535

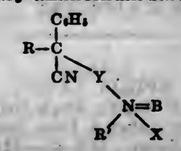
QUATERNARY AMMONIUM SALTS OF TERTIARY-AMINOALKYL SUBSTITUTED PHENYLACETONITRILES

Arlo Wayne Ruddy, Albany, N. Y., assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application January 27, 1949, Serial No. 73,230

15 Claims. (Cl. 260—293)

1. A quaternary ammonium salt of the formula



wherein R is a member of the group consisting of alkyl and alkenyl radicals of 4–6 carbon atoms and 5–6 membered cycloalkyl radicals, R' is a hydrocarbon group selected from the class consisting of lower alkyl and phenyl-lower alkyl radicals, Y is a lower alpha, beta-alkylene radical, —N=B is a member of the group consisting of dialkylamino, piperidino, pyrrolidino and morpholino, and X is a non-toxic anion.

2,566,536

ALUMINUM ARTICLES COATED WITH HEAT-SEALABLE COMPOSITION

Nicholas N. T. Samaras, Monson, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 10, 1948, Serial No. 48,757

5 Claims. (Cl. 117—122)

1. An aluminum article having a highly adhesive heat-sealable coating thereon comprising, on a weight basis, 100 parts of polyvinyl butyral, 15–60 parts of nitrocellulose, 5–50 parts of a plasticizer taken from the group consisting of butyl ricinoleate, tricresyl phosphate, dioctyl phthalate, triethylene glycol dihexoate, dibutoxy ethyl phthalate and glyceryl mono-oleate and 2–40 parts of an oil-soluble phenol-formaldehyde resin.

2,566,537

PEROXIDE CATALYZED POLYMERIZATION OF ETHYLENE IN THE PRESENCE OF A PHENOLIC COMPOUND

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 30, 1948, Serial No. 18,073

13 Claims. (Cl. 260—94.9)

1. In the polymerization of ethylene in the presence of an organic peroxide catalyst and a diluent selected from the group consisting of alcohols, aromatic hydrocarbons and saturated hydrocarbons containing at least 3 carbon atoms per molecule, the improvement which comprises adding to the reaction mixture a phenolic compound consisting of carbon, hydrogen and oxygen in sufficient amount to increase the melting point of the ethylene polymer and subjecting the mixture to polymerization under a pressure of from about 15 to about 500 atmospheres and at a temperature at least as high as the decomposition temperature of said catalyst.

2,566,538

PEROXIDE CATALYZED POLYMERIZATION OF ETHYLENE IN THE PRESENCE OF AN AMINO COMPOUND

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 30, 1948, Serial No. 18,075

12 Claims. (Cl. 260—94.9)

1. In the polymerization of ethylene in the presence of an organic peroxide catalyst and a diluent selected from the group consisting of alcohols, aromatic hydrocarbons and saturated hydrocarbons containing at least 3 carbon atoms per molecule, the improvement which comprises adding to the reaction mixture, in sufficient amount to increase the melting point of the ethylene polymer, a p-substituted aniline wherein the substituent is selected from the group consisting of hydroxyl and amino radicals and subjecting the mixture to polymerization under a pressure of from about 15 to about 500 atmospheres and at a temperature at least as high as the decomposition temperature of said catalyst.

2,566,539

SPRING TYPE CLUTCH

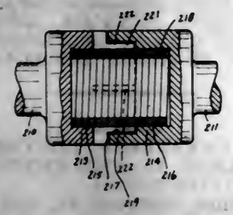
William Carleton Starkey, Indianapolis, Ind.; Fletcher Trust Company executor of said William Carleton Starkey, deceased

Application July 22, 1946, Serial No. 685,469

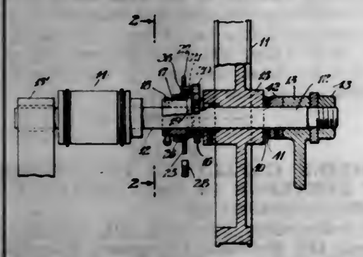
5 Claims. (Cl. 192—41)

1. In a torque transmitting device, two relatively rotatable coaxial members, one having a substantially rigid drum, a torque transmitting radially movable helical friction element connected to the other of the members to turn therewith and adapted frictionally to engage the drum in a manner to prevent relative rotation of the members, and radially expansible and contractible friction means permanently connected to

said other member to turn therewith and extending circumferentially of the drum for friction contact therewith, said means being operatively interposed between the drum and the helical element for operation by the helical element toward the drum in a manner to relieve the helical element of part of its torque load.

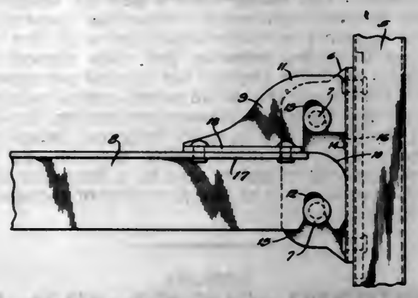


2,566,540
LATCH OPERATED POSITIVE CLUTCH
Edgar L. Steed, Poughkeepsie, N. Y., assignor, by mesne assignments, to Recordgraph Corporation, a corporation of Delaware
Application July 3, 1946, Serial No. 681,364
4 Claims. (Cl. 192—28)



1. In a quick acting clutch mechanism a rotatable driving member, a driven member rotatable coaxially therewith, a first ratchet fixedly mounted on said driving member, a first pawl mounted on said driven member engageable with said first ratchet to positively transmit rotary motion from said driving to said driven member, a second ratchet rotatable with and limitedly displaceable relative to the driven member about the rotational axis thereof, cam and follower means having one of its elements movable with said first pawl and its other element movable with said second ratchet, said cam and follower means being arranged to move said first pawl into engagement with said first ratchet in response to displacement of said second ratchet with respect to said driven member in one direction and to move said first pawl out of engagement with said first ratchet in response to displacement of said second ratchet with respect to said driven member in the opposite direction, resilient means exerting a torque between said second ratchet and said driven member about the rotational axis thereof to bias said second ratchet in said one direction with respect to said driven member, frictional means producing a frictional drag between said members greater than said torque and in the opposite direction thereto when the driving member is rotating in the direction opposite the direction of said torque, said frictional means including resilient means exerting a force against both of said driving and driven members to produce said frictional drag, a second pawl fixedly supported and movable into engagement with said second ratchet to hold it against rotary movement, and means for moving said second pawl into and out of engagement with said second ratchet, whereby when the driving and driven members are rotating in the direction opposite said torque, movement of said second pawl into engagement with said second ratchet causes a displacement of the second ratchet with respect to the driven member in said opposite direction to cause said cam and follower means to disengage said first pawl and said first ratchet to stop transmission of rotary motion from the driving to the driven member and said frictional drag holds said second ratchet and said driven member against relative movement to prevent re-engagement of said first pawl with said first ratchet as long as said second pawl is engaged with said second ratchet.

2,566,541
BEDSTEAD CORNER LOCK
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application January 23, 1948, Serial No. 3,891
1 Claim. (Cl. 5—296)



A bedstead side rail comprising, an angle bar and two short angle sections, said angle sections being secured at the ends of said angle bar with one flange on each section overlying a flange on said bar and with the other flanges of said bar and sections disposed in opposite directions in the same plane, said other flanges each having a downwardly presented notch formed in the lower portion thereof adapted to fit over pins on head and foot sections of a bedstead.

2,566,542
SPIRIT LEVEL
Theodore F. Vaida, High Bridge, N. J.
Application September 5, 1946, Serial No. 694,925
1 Claim. (Cl. 33—211)



A level of the character described comprising a metallic core having substantially I beam section and having longitudinally extending ribs on its opposite side faces, said core having an opening extending transversely between said opposite side faces, annular, lateral, oppositely-extending flanges integral with said core positioned around said opening, abutments integral with said core and extending inwardly of said opening, wooden facing plies having inner surfaces complemental in shape to the side faces of said metallic core, said plies being adhesively bonded permanently one to each opposite side face of said metallic core, said plies being coextensive with said side faces with their peripheral edges lying flush with corresponding peripheral edges of said metallic core, said plies each having an opening aligned with the opening in said metallic core into each of which one of the oppositely-extending flanges of said core fits, spirit vial supporting means positioned entirely in the opening in said metallic core, and securing means for attaching said spirit vial supporting means to said abutments of said core.

2,566,543
TAPPET ADJUSTING TOOL
Edward Weglarz, Cicero, Ill.
Application February 4, 1948, Serial No. 6,122
4 Claims. (Cl. 81—3)



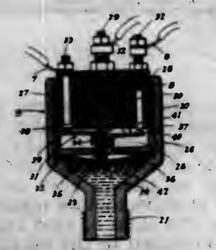
1. A tool for use in adjusting an associated machine screw and lock nut comprising, a circular shank having a non-circular end terminating in a screw-driver tip and forming a shoulder at the juncture of said circular and non-circular portions of said shank, a disk having a circular opening therein whereby said disk is slidably mounted on said shank inwardly of said shoulder, axially-disposed prongs formed on said disk and adapted to releasably engage and hold therein a nut socket having a non-circular opening adapted to engage the non-circular end of said shank whereby said socket is rotatable with said shank, and a compression spring embracing the circular part of said shank and normally urging said disk into engagement with said shoulder to hold said socket with the nut-engaging part thereof beyond said screw-driver tip in position to operatively engage said lock nut but permitting said socket to be retracted along said shank to enable said screw-driver tip to engage a kerf on said machine screw.

2,566,544
GLASS CUTTER WHEEL HEAD
Guy C. Wyman, Chatham, N. J., assignor to Red Devil Tools, Irvington, N. J., a corporation of New Jersey
Application August 25, 1950, Serial No. 181,330
2 Claims. (Cl. 49—52)

1. A glass cutter wheel head which comprises a supporting stem having an end bifurcated to provide a wheel-receiving slot and having a sidewise slot to form a transverse retaining ledge spaced from said end, said end being notched transversely of said slot to receive an axle spanning said slot, an axle mounted in said notch to project at each side of said stem and being enlarged at each end, and a U-shaped clip having a bight bearing on said ledge, a pair of legs extending from said bight one on each side of said head to said transverse notch and hook shaped at said ends and hooked to the projecting ends of said axle to hold said axle in said notch by direct tension from said ledge.



2,566,545
BRAKE FLUID OPERATED SWITCH UNIT
Sofronio B. Alcoriza, Walnut Grove, Calif.
Application March 31, 1950, Serial No. 153,229
1 Claim. (Cl. 200—83)



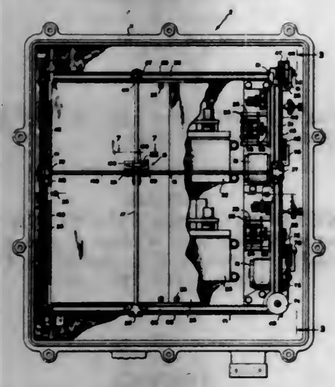
A fluid pressure switch comprising a hollow body, a dielectric plug closing the outer end of the body, a cross member in the body below and spaced from the plug to leave a switch chamber therebetween, a diaphragm in the body below said member, the body below the diaphragm being arranged for connection with a source of fluid pressure, a pair of spaced terminal posts mounted in and projecting through the plug at right angles to the cross member and terminating in contact points exposed below the plug, a contact blade in the switch chamber disposed so that adjacent its ends it may alternately engage the contact points, a third terminal post in the plug parallel to and in line with and between the first named posts, a compression spring extending between and in contact with said third post and the blade and tending to force the latter toward the cross member, a button depending from the blade and normally resting on said cross member, the contact blade being formed so that at one end it then engages a predetermined one of said contact points, a stem on the button depending through an opening in the cross member for lifting engagement by the diaphragm upon movement of the latter by fluid pressure, and an upstanding nub on the blade to engage the underside of the plug and disposed between said one contact point and the spring and forming a fulcrum point for the tilting of the blade lengthwise upon the lifting of the same to cause said one end of the blade to break from said one contact point and the other end of the blade to engage the other contact point; the opening in the cross member being elongated lengthwise of the blade to allow of tilting of the stem with the blade but fitting the stem transversely whereby to prevent rotation of the stem and blade and maintain the latter alined with the contact points.

2,566,546

TELAUTOGRAPHIC INSTRUMENT

George W. Barnes, Jr., Clifton Heights, Pa., Richard M. Johnson, Palmyra, N. J., and Walter P. Wills, Philadelphia County, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 6, 1945, Serial No. 620,828
11 Claims. (Cl. 346—139)



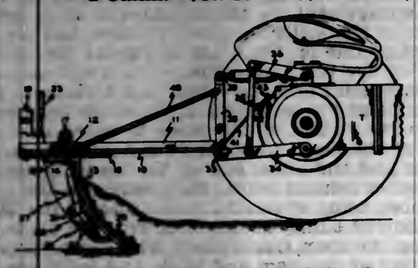
2. In a recording instrument, a rectangular frame the upper edges of which form pairs of parallel tracks extending at right angles to each other, a pair of elongated supports each mounted for movement on one of said pairs of parallel tracks, a pair of drive motors attached to the inside of one of the sides of said frame, a pair of drive pulleys attached to the outside of said side of the frame, drive means between each motor and a corresponding one of said pulleys, a first cable attached to the end of the support riding upon the track formed on said side, said cable passing over one of said pulleys and being driven thereby, a second cable attached to one end of the other of said supports and passing over the other of said drive pulleys, means to guide said second cable around the corner from the side of said frame to which its drive pulley is attached to the side of the frame upon which said other of said supports is mounted, and a pen carriage mounted for movement upon both of said supports whereby it may be moved in any direction depending upon which of said drive motors is rotating and the direction of its rotation.

2,566,547

COMBINED SCRAPER BLADE AND SCARIFIER ATTACHMENT FOR TRACTORS

George H. Bartlett, Vancouver, Wash.

Application January 10, 1949, Serial No. 70,677
1 Claim. (Cl. 37—145)



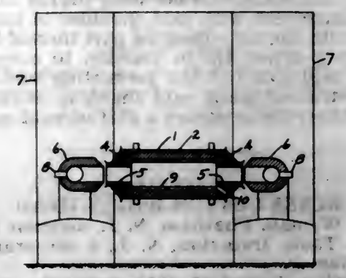
A ground-working attachment of the character described for a tractor including a platform plate having a semi-circular rear portion, means for adjustably attaching said platform plate to the tractor and for tilting said platform plate laterally and longitudinally with respect to the horizontal plane of travel of the tractor, said means including a pair of lift arms connecting the forward end of said platform plate with the tractor, a pair of positioning levers for raising or lowering said lift arms respectively, and separately adjustable holding elements extending from the sides of said platform plate obliquely upwardly to the tractor for holding said platform plate in the desired laterally-tilted position, a blade assembly rotatably mounted below the semi-circular rear portion of said platform plate, a circular top plate on said blade assembly pivotally connected at its center to said platform plate, a plurality of holes in said top plate extending in a circular path around said pivotal connection, a spring-controlled vertically positioned locking pin on the rear of said platform plate for engagement with said holes in said top plate, a lever mounted on the top of said platform plate for temporarily lifting said pin out of engagement with said holes in said top plate, a ground-working blade in said blade assembly, a plurality of demountable scarifier teeth mounted on said blade to swing up and down, a mounting shaft for said teeth extending along said blade, said teeth pivoted on said shaft and a stay rod for selectively holding said teeth in raised inoperative position on said blade, whereby various adjustments in the position of said attachment and in the position of said blade in said attachment can be made to suit the work required with optional use of any or all of said teeth.

2,566,548

PROCESS FOR THE PRODUCTION OF METAL FROM OXIDE ORES

Paul Beauchesne, Redon, and René Sainte-Claire Deville, Paris, France, assignors to Societe Francaise des Charbonnages du Tonkin, Paris, France, a corporation of France

Application July 23, 1947, Serial No. 763,138
In France March 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1964
4 Claims. (Cl. 75—29)



1. A process of extraction for metallic oxide ores comprising depositing a mixture of metallic oxide ore, reducer coal and flux in a thin layer on the walls of an oven having an inner surface which is a surface of revolution, the proportions of the ingredients of said mixture being predetermined according to the desired degree of carbonization of the metallic oxide ore, rotating the oven at a rate of the order of 100 revolutions per minute whereby centrifugal force will effect an adherence of said layer to said walls, and heating said layer during rotation by a flame fed from outside the furnace and applied to said layer.

2,566,549

ANIMAL FEEDSTUFF

Gertrude H. Beckwith and James L. Sutherland, San Pedro, Calif., assignors to Philip R. Park, Inc., Outer Harbor, San Pedro, Calif., a corporation of California

No Drawing. Application July 8, 1949, Serial No. 103,942
34 Claims. (Cl. 99—2)

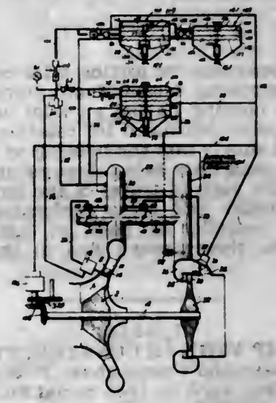
1. In a dry feedstuff: a fish concentrate product initially containing fish solids in soluble and insoluble form in a substantial amount of water forming a semisolid; and an edible phosphate salt initially capable of combining with several molecules of water and present in such feedstuff in proportion holding said water as water of crystallization in sufficient proportion to yield a dry feed product.

2,566,550

CONTROL FOR CENTRIFUGAL COMPRESSOR SYSTEMS

Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation, a corporation of Delaware

Application September 21, 1943, Serial No. 503,238
12 Claims. (Cl. 60—13)



1. In combination, a centrifugal compressor comprising an impeller, a turbine for driving said impeller, means for burning fuel in air delivered by said compressor thereby providing combustion gases to drive said turbine, means responsive to approach of surge conditions in the impeller for controlling flow therethrough to avoid surge, means responsive to the pressure of air delivered by the compressor, and means controlled by the last-mentioned means for bypassing air from the compressor directly to the turbine upon drop of delivery pressure.

2,566,551

BAND TOOL GUIDE

William B. Boice, Toledo, Ohio, assignor to Boice-Crane Company, Toledo, Ohio, a corporation of Ohio

Original application September 1, 1944, Serial No. 552,350, now Patent No. 2,431,605 dated November 25, 1947. Divided and this application October 20, 1947, Serial No. 780,795
1 Claim. (Cl. 29—76)

A band tool having a frame, a table having an aperture and mounted on said frame, a band passing through said table aperture, a portion of said frame overhanging said table, telescoping means extending from said overhanging portion towards said table, an elongated guide track mounted on said telescopic means, a first mounting means having an elongated guide channel for receiving said guide track for slidable movement therealong, slot and bolt connection to said track for locking said first mounting means in adjustment, a second elongated guide channel on said mounting means at right angles to said first guide



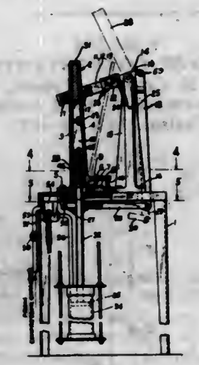
channel, both said elongated guide channels being parallel to said table, a second mounting means having a second guide track adjustably slidable in said second guide channel, second slot and bolt means for holding said second mounting means in adjustable position, an elongated guide for said band having one end secured to said second mounting means, said band passing through said table aperture, and a two way adjustable means slidably receiving and mounting the other end of said band guide.

2,566,552

GLOVE SMOOTHING AND STRETCHING MACHINE

Teobaldo G. Boldizzoni, New York, N. Y.

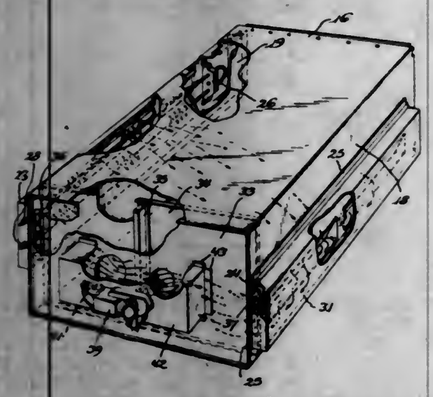
Original application May 29, 1945, Serial No. 596,456, now Patent No. 2,511,455, dated June 13, 1950. Divided and this application June 9, 1945, Serial No. 598,582
6 Claims. (Cl. 223—79)



1. In a glove-stretching device, a horizontal base, a glove form projecting therefrom and comprising two parallel separable half portions capable when brought together of receiving a glove thereon, means for mounting one of said half portions stationary on said table, means for mounting the other of said half portions rotatably on said table, a spring attached between

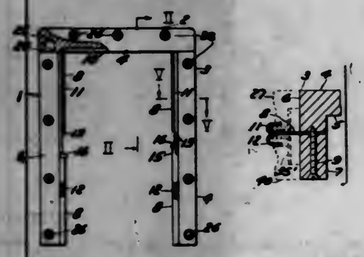
the rotary half portion and the base for normally holding the half portions together, and a wedge movable between the half portions for separating them.

2,566,553
WARMING OVEN
Truman H. Cline, Newark, Ohio, assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application February 2, 1948, Serial No. 5,860
1 Claim. (Cl. 126—273)



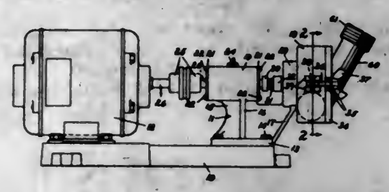
In a warming oven for electric ranges, a rectangular sheet metal housing defining a principal warming chamber having side, top, bottom and end walls, a secondary chamber co-extensive with the end wall vertically partitioned into two end sub-chambers, a heat unit having communication with said principal warming chamber through louvre orifices at the top of one of said side walls, an exhaust flue defining enclosure having communication with said warming chamber through louvre openings at the bottom of the other of said side walls, each said heating unit and exhaust flues having communication respectively with an adjacent one of said end wall subchambers and a circulating unit superimposed to exhaust atmosphere from said exhaust side subchambers and to direct it into said heating side sub-chamber.

2,566,554
WINDOW CONSTRUCTION
William R. Cordrey, Toledo, Ohio
Application November 15, 1948, Serial No. 60,068
1 Claim. (Cl. 20—52)



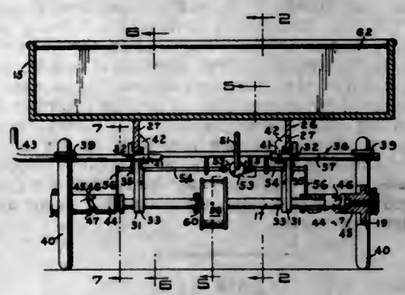
In a double hung window structure, a frame, two sliding sashes, a metal sash guide strip for said sashes extending longitudinally substantially along the entire length of each of the side stiles of said frame, said strips being attached to said side stiles and each strip comprising two return bent portions, one of said rebent portions extending from the top of the frame down to about the center of said frame and being bent toward the outside of said frame, and the other of said rebent portions extending from the bottom of said frame up to about the center of said frame and being bent toward the inside of said frame, both rebent portions facing the side stiles of said frame, said sashes having angle pieces attached to each of said side stiles of said sashes, said angle pieces riding in said rebent portions when the sashes are slid up and down.

2,566,555
APPARATUS FOR RECONSTITUTING DRIED POWDERS
Samuel T. Coulter, St. Paul, and Joseph L. Becker, Stillwater, Minn., assignors to Maple Island, Inc., a corporation of Minnesota
Application November 21, 1947, Serial No. 787,330
19 Claims. (Cl. 259—10)



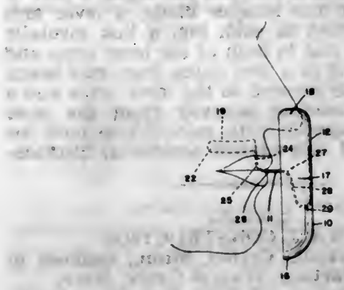
1. An apparatus for mixing solid powders and liquids comprising a centrifugal pump having a stationary housing having an inlet and an outlet, an impeller journaled for rotation therein, a liner fitted snugly into the housing so as to cover the outlet, said liner being disposed immediately adjacent the path of travel of the outer surface of the impeller and being perforated so as to present a plurality of holes at said outlet to permit flow therethrough due to the impeller action.

2,566,556
DUMP VEHICLE CONSTRUCTION
Arthur Raymond Cunningham, Detroit, Mich.
Application April 14, 1947, Serial No. 741,372
13 Claims. (Cl. 298—20)



1. A vehicle comprising a body, first and second axles extending transversely of the body beneath the latter, ground engaging wheels carried by the axles, means supporting the wheels on the second axle for rotation relative to the latter, means for connecting the second axle to at least one of the wheels thereon whereby rotation of the latter imparts a rotative movement to the second axle, and a connection between the first and second axles responsive to rotation to the second axle in one direction to pull the first axle in a direction toward the second axle.

2,566,557
BREATH DEFLECTOR
Clifford E. Danielson, Fargo, N. Dak.
Application February 6, 1948, Serial No. 6,586
1 Claim. (Cl. 128—139)



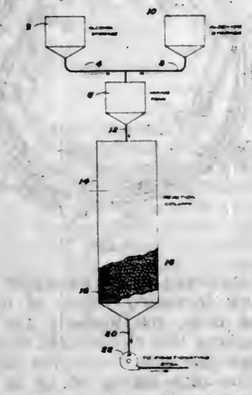
In a breath deflector a mounting including a mouth piece for application within the mouth of the user, a stem extending outwardly therefrom and terminating in a shank, and a guard constructed of resilient material having a body formed with spaced holes, said shank extending through said holes and underlying said body intermediate said holes and overlying said body outwardly of said holes to hold the guard attached to the shank, said guard extending anteriorly of the mouth piece and transversely thereof to deflect the breath from the user's nose.

2,566,558
FURNACE REGISTER FRAME
William C. De Roo, Holland, Mich., assignor to Hart & Cooley Manufacturing Company, Holland, Mich., a corporation of Delaware
Application January 2, 1948, Serial No. 214
6 Claims. (Cl. 98—114)



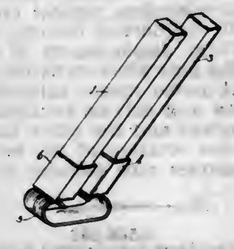
1. In a register frame construction, two parallel spaced apart side members of flat metal each having a main body and an intermediate portion, at a side thereof for a portion of the width of the member, separated therefrom at its ends and extended outwardly at right angles from the main body, with portions of each of said side members at each end thereof and in full width extending outwardly beyond said intermediate portion, end members each having two integrally joined portions located at right angles to each other, one of said portions at each end thereof having an ear at right angles thereto, said last mentioned portions of said end members extending between the ends of said intermediate portions of the spaced side members with said ears overlapping adjacent ends of said intermediate portions of the side members, the other portions of said end members extending under the parts of the side members extending beyond the intermediate portions thereof, means permanently connecting said ears to said outwardly extending intermediate portions of the side members, and means permanently connecting said last mentioned portions of the end members to the outwardly extending portions of the side members beyond their intermediate portions.

2,566,559
PREPARATION OF ACETALS
Arthur A. Dolnick and Maxwell Potash, Philadelphia, Pa., assignors to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 30, 1947, Serial No. 764,804
12 Claims. (Cl. 260—615)



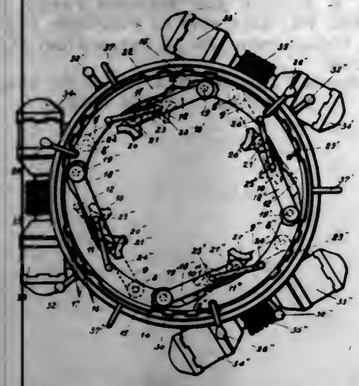
1. In a process for the preparation of acetals, the steps which comprise contacting a stationary bed of an acidic cation exchange resin with a fluid, moving mixture containing essentially an alcohol and an aldehyde and thereafter withdrawing a mixture comprising acetal from said stationary bed.

2,566,560
PERMANENT MATCH
Benjamin Edelberg, Chicago, Ill.
Application January 9, 1948, Serial No. 1,428
1 Claim. (Cl. 44—42)



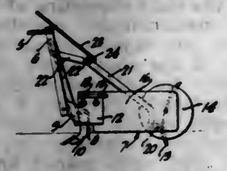
A match adapted to be extinguished by blowing and ignited by friction comprising a combustible having as its sole substance a solid organic material of the class consisting of hexamethylene tetramine, metaldehyde, dimethyloxamide, in tablet form; an oxygen-supplying material in tablet form of the class alkali chlorates, and a resilient holder for said combustible and oxygen-supplying materials including a spring member having its ends curved uniformly away from its body portion upon a common side thereof toward each other, said ends spaced apart, and arms carried by said ends and disposed toward each other yieldingly throughout their extent.

2,566,561
SCREWING AND UNSCREWING TONGS, PARTICULARLY FOR DRILLING PIPE JOINTS
Vladimir Edelberg, Tunis, Tunisia
Application January 31, 1947, Serial No. 725,421
In France June 28, 1946
6 Claims. (Cl. 255—35)



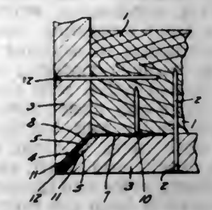
1. A self-powered tongs assembly for making and breaking threaded joints of drilling pipes and drilling rods, particularly for drilling oil wells, comprising two cylindrical housings rotatably arranged the one above the other concentrically to the pipe string so as to rotate with respect to one another, an annular member inside each of said housings rotating therewith and a crown arranged to rotate freely with respect to each of said housings, a set of arms pivoted on each of said annular members and provided at their inner ends with jaws pivoted thereon to engage separate sections of the pipe respectively, control links each pivoted on said crown and on one of the jaw-carrying arms to swing said arms inwardly upon relative rotation of the crown and annular member, handles fitted on the upper crown for rotating the crowns to tighten both jaw sets on separate sections of the pipe at both sides of the joint respectively, guiding means for allowing the vertical displacement of one of the annular members together with the corresponding control crown with respect to their cylindrical housing to follow the relative vertical displacement of the separate sections of the pipe when screwing and unscrewing the joint, power means supported by one of said housings and driving connections between the power means and the other housing for effecting relative rotation of the housings to rotate said separate pipe sections relative to one another

2,566,562
SCRAPER AND BACKFILLING BLADE ATTACHMENT FOR TRACTORS
Olga M. Hale, Walteria, Calif.
Application April 7, 1949, Serial No. 85,992
1 Claim. (Cl. 37—153)



A scraper and backfilling blade attachment for tractors comprising a beam extending transversely of the tractor and at the rear of the same, a pair of fixed spaced ears on said beam, an A frame fixedly attached to the ears and rising above said beam, side plates fixed to each end of the beam, a scraper blade rotatably mounted in said side plates and between the same, a pair of spaced lugs on the scraper blade, a lever arm pivotally attached to each lug, a link pivotally secured at one end to both of the lever arms and at the other end to a post rising from said beam, a handle fixedly secured to the lever arms and a stop block extending laterally from the lever arms and engageable with said link to hold the lever arms and link against accidental displacement.

2,566,563
DRY WALL CONSTRUCTION
Chester P. Hartung, Ceylon, Minn., assignor to Ervin A. Hartung, Walnut Grove, Minn.
Application January 17, 1949, Serial No. 71,313
2 Claims. (Cl. 20—4)

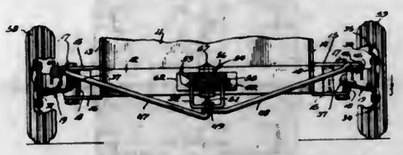


1. A dry wall construction comprising a studding and two sheets of plaster board secured to the studding at an angle one with respect to the other thereof to provide an outside corner, said sheets of plaster board having their adjacent edges beveled, said beveled edges defining substantially parallel side walls of a channel opening angularly outwardly from said studding, a corner reinforcing element comprising an anchoring leg and a reinforcing leg, the free edge portion thereof being bent backwardly to provide a bead, said anchoring leg underlying one of said plaster boards and secured to said studding, said reinforcing leg projecting outwardly through the channel to the point of intersection of the planes of the outer surfaces of said plaster boards, and plaster filler between the beveled edges of the plaster boards and said reinforcing leg.

2,566,564
PROCESS FOR THE MANUFACTURE OF ISOPHORONE AND HOMO-ISOPHORONES
Hugh Campbell Highet and Francis Edward Salt, Banstead, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
No Drawing. Application September 6, 1947, Serial No. 772,588. In Great Britain September 10, 1946
6 Claims. (Cl. 260—586)

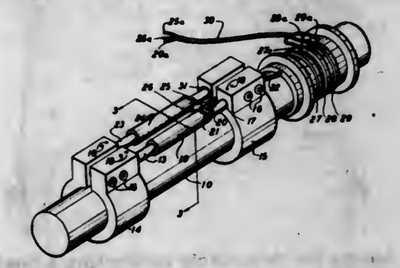
1. In the process for the production of isophorone and homo-isophorones by the condensation of a saturated ketone containing 3 to 5 carbon atoms in the molecule the improvement which comprises bringing a substance consisting essentially of said ketone into intimate contact with an aqueous alkali metal hydroxide solution, in a concentration from 0.2 to 10% by weight with respect to the hydroxide therein at temperatures between 175° C. and the critical temperature of the ketone whilst maintaining sufficient pressure in the reaction zone to maintain the contents therein substantially in the liquid phase.

2,566,565
VEHICLE STEERING KNUCKLE MECHANISM FOR EFFECTING SHARP TURNS
Stanley E. Hill, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application December 23, 1947, Serial No. 793,455
1 Claim. (Cl. 280—103)



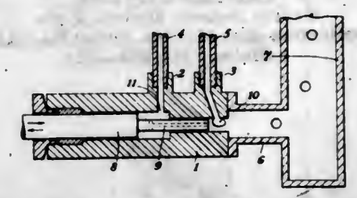
A low center-of-gravity steering knuckle mechanism for accomplishing close-placement king pivoting to laterally disposed steering wheels which includes, a four wheeled draft vehicle having a transverse forward axle beam, pairs of trunnion plates integral with and extending laterally outward of said beam to constitute vertical pivot king pin journals, a pair of knuckle forgings one for each of said pairs of trunnion plates each comprising a king pivot sleeve receivable in the space between its pair of trunnion plates, an arm angling from each sleeve outwardly towards its wheel plane center, a horizontal journal hub merging with said arm in the proximity of its wheel center, said hub affording an internal bore consisting of a wheelside major diameter bearing seat and remote therefrom a minor diameter bearing seat, a steering arm jutting forwardly of each hub for articulation with a steering link system, and a live axle stub shaft welded to a wheel securement flange, one for each of said hubs, each shaft comprising a major diameter portion in close proximity to its flange and in registration transversely with said major diameter hub bearing seat, and a minor diameter portion spaced therefrom to register transversely with said minor diameter hub bearing seat.

2,566,566
TORSION INDICATING DEVICE
Edgar T. Howes, Pasadena, Calif.
Application December 19, 1945, Serial No. 635,915
7 Claims. (Cl. 73—136)



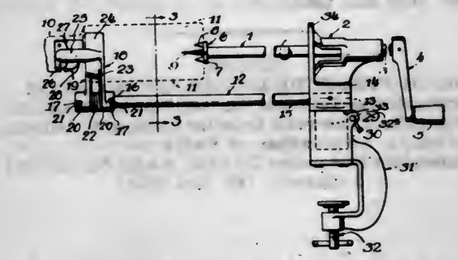
1. Means for indicating the angular twist of a shaft subject to torque, comprising a gauge rod having a cross section of the same shape as the cross section of the shaft, means for fastening the gauge rod at two separated points to the shaft in a position parallel to the longitudinal axis of the shaft and spaced from the shaft, the length of the gauge rod between said separated points being the same as the length of the shaft between said points, and means connected to the gauge rod and unconnected to the shaft measuring the amount of twist on the gauge rod between said points when torque is applied to the shaft.

2,566,567
PRODUCTION OF POLYSTYRENE BEADS
Henry Malcolm Hutchinson, Banstead, and Johann Josef Peter Staudinger, Ewell, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
Application May 14, 1946, Serial No. 669,528
In Great Britain March 20, 1946
11 Claims. (Cl. 260—93.5)



1. A process for the production of polymer in bead form which comprises forming and separating individual discrete substantially uniformly sized beads from a partially polymerised viscous liquid mixture selected from the group consisting of styrene and nuclear-alkyl- and nuclear-halogen-substituted styrenes containing at least 40% by weight of the polymer, introducing such beads into a heated inert liquid medium, having a viscosity of not less than 10 centipoises at the polymerisation temperature, and with which inert liquid medium the beads are substantially immiscible, substantially completely polymerising the mixture in the form of such uniformly sized beads while the beads are suspended in the liquid, the rate of polymerisation being in the range 2.5% to 60% per hour, and recovering such polymerised beads.

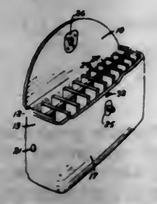
2,566,568
CORN CUTTER
Clifford E. Ives, Wilmette, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 30, 1948, Serial No. 24,169
2 Claims. (Cl. 130—9)



1. A device for cutting the kernels from the cob of an ear of corn, comprising a supporting member, a cupped enlargement on said supporting member adapted to receive and center an ear of corn, a crank shaft journalled in said member for rotation and axial movement, a crank arm on one end of said shaft for rotating and moving the latter axially, sharp projections carried on the other end of the crank shaft adapted to be embedded in and retain an end of the ear, tensionally mounted guide arms disposed at the opposite sides of the ear and each provided with a knife adapted to follow the contour of the cob and cut the kernels therefrom circumferentially and axially as the shaft and ear are rotated and moved relative to the knives, the end of the shaft

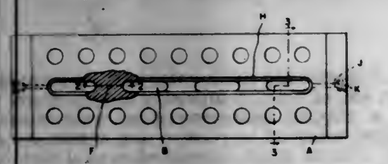
and said projections being adapted to be withdrawn into the cupped enlargement when the ear is initially mounted in position and to protect the operator when the end of the ear is inserted into the cupped enlargement and the shaft moved axially to embed the projections into said end.

2,566,569
CARTRIDGE CASE
George Jensen, Denver, Colo.
Application May 11, 1948, Serial No. 26,294
1 Claim. (Cl. 224—22)



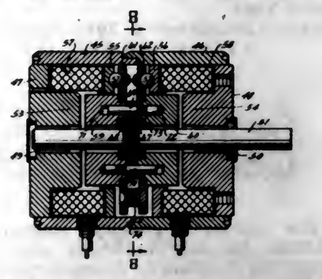
A cartridge case comprising: a single blank of relatively thick, flexible material; a top flap; a back portion; two inner end members; two outer end members; two belt loops; a bottom portion; two end tabs; a front portion, all of said flaps, portions, loops, tabs, and members being formed from said single blank of material, said front and back portions extending in parallel relation, said outer end members extending over said inner end members and acting to separate said front and back portions; an attachment rivet securing each outer end member to each inner end member, said belt loops extending over the rear face of said back portion; attachment rivets securing said belt loops to said back portion, said belt loops being slotted for the passage of a belt at their points of folding, said top flap extending over the top of said case and downwardly over said front portion; an attachment device securing said top flap to said front portion, said end tabs extending upwardly inside of said inner end members; and a cartridge-separating member supported between said front and back portions upon said end tabs.

2,566,570
HIGH-PRESSURE LIQUID LEVEL GAUGE
Horace James Johnson, Grosse Pointe, Mich., assignor to Penberthy Injector Company, Detroit, Mich., a corporation of Delaware
Application November 21, 1949, Serial No. 128,661
3 Claims. (Cl. 73—330)



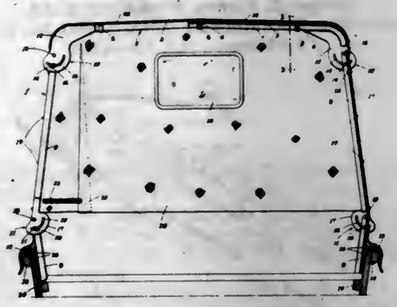
1. In a high pressure liquid level gauge, a casing having a vertical slot in an outer face thereof, a transparent panel secured and sealed to said outer face of the casing to cover said slot, and a tie connection between the portions of said casing on opposite sides of said slot intermediate the ends thereof, spaced from said transparent panel to leave a liquid channel therebetween forming a portion of said slot connecting the portions above and below said tie connection.

2,566,571
MOTION CONVERTING DEVICE
George H. Leland, Dayton, Ohio
Application May 18, 1948, Serial No. 27,795
20 Claims. (Cl. 74—89)



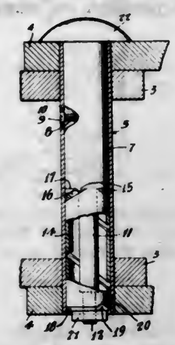
1. In a rotary solenoid, a casing comprising a cylindrical portion, an end wall rigidly mounted in one end of said cylindrical portion and having an axial bearing, a core adjacent said end wall, an annular member rigidly mounted in said cylindrical portion of said casing adjacent to and spaced inwardly from the other end thereof, a shaft rotatably mounted in said bearing, an armature supported in said casing and connected with said shaft for rotation therewith, a magnetizing element supported about said core, an annular member connected with said armature for movement therewith, extending into the last mentioned end of said cylindrical portion and spaced from the first mentioned annular member, at least one of said annular members having in that side thereof adjacent the other member a plurality of inclined arcuate surfaces, and antifriction elements supported between said members in engagement with said opposed inclined surfaces.

2,566,572
ADJUSTABLE TOP FOR BOATS
Ansel Lindsey, San Jose, Calif.
Application June 6, 1949, Serial No. 97,394
3 Claims. (Cl. 135—6)



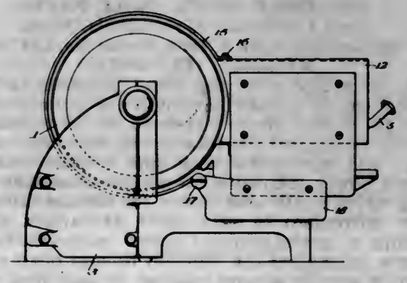
3. Means for detachably connecting a boat top frame and canopy unit of fixed width to different boats of varying beam, such means including vertically disposed stanchions for supporting the top frame, such stanchions being pivoted at their upper ends for lateral swinging adjustment relative to the top frame, a leg pivoted to the lower end of each stanchion for lateral swinging adjustment relative to the stanchion, a downwardly opening spring hook mounted on each leg and projecting laterally out therefrom in substantial parallelism therewith and being swingable with the leg, such hooks being adapted to fit over the side of the boat and hold the hooks and legs in frictional engagement with such sides of the boat in any position of angularity of the legs relative to the stanchions, means connected between the top frame and stanchions to fix the stanchions in adjusted position relative to the top frame, and separate means connected between the legs and stanchions to fix the legs in adjusted position relative to the stanchions.

2,566,573
EXPANSIBLE PIN STRUCTURE
Hyland Lyon, Los Angeles, Calif.
Application March 4, 1946, Serial No. 651,757
7 Claims. (Cl. 188—83)



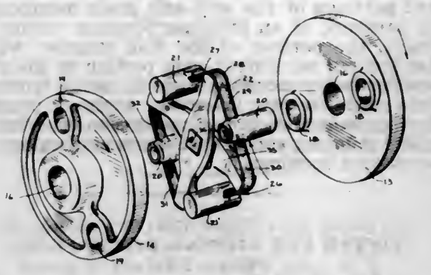
1. An expansible pin for frictional engagement with a surrounding journal, involving: a split tubular element adapted to be positioned within a journal; a spiral member within said tubular element; means for anchoring the opposite ends of said spiral member; and means for axially compressing the spiral member to cause said spiral member to expand said tubular element.

2,566,574
KNIFE GUARD FOR SLICING MACHINES
Jan Willem Lubberhuizen, deceased, late of Voorburg, Netherlands, by Dina Aleida Broekhuizen, executrix, Voorburg, Netherlands, assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application August 6, 1947, Serial No. 766,831
In the Netherlands January 23, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 23, 1962
3 Claims. (Cl. 146—102)



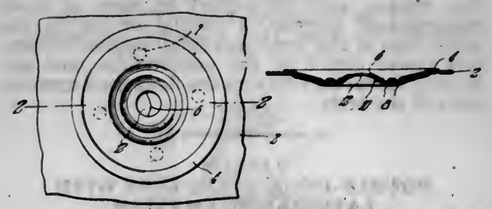
1. A slicing machine embodying a rotatable circular slicing knife, a slice thickness gage plate, means for adjusting said plate transverse to the cutting plane of the knife, an annular guard for the cutting edge of the knife, the ends of said guard terminating short of each other to provide an exposed cutting zone for the knife edge, and means securing the ends of the guard to said plate in spaced relation with respect to each other, said guard being disposed entirely beyond the confines of the cutting edge of the knife, and projecting beyond opposite faces of the knife.

2,566,575
COUPLING
John Mann, Seneca Falls, N. Y., assignor to Gould Pumps, Inc., Seneca Falls, N. Y., a corporation of New York
Application October 18, 1945, Serial No. 622,951
3 Claims. (Cl. 64—12)



1. A coupling for connecting driving and driven elements rigidly secured respectively to a driving and driven shaft comprising, in combination, tie members forming in effect a continuous flexible belt, a pair of annular members rigidly clipped around said belt and constituting driving elements, a pair of annular members rigidly clipped around said belt and constituting driven elements with the driving and driven elements alternating along the length of the belt, means for maintaining the driving load on the driving elements substantially equal when the drive shafts are out of axial alignment, and means for loosely connecting the driving and driven elements on the shaft with the driving and driven elements on the flexible belt to enable the coupling to be quickly disconnected from the shafts and removed therefrom as an assembled unit.

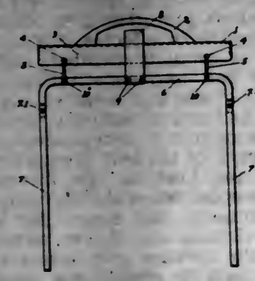
2,566,576
VALVE CONSTRUCTION
Frederick W. Marsh, Springfield, Mass., assignor to Kestral Corporation, Springfield, Mass., a corporation of Massachusetts
Application April 1, 1947, Serial No. 738,621
3 Claims. (Cl. 251—119)



1. A valve construction for an inflatable article having a wall member formed of flexible, elastically expansible material comprising in combination a plate member substantially inflexible relative to the wall member and of substantially uniform thickness throughout, said member being welded around its peripheral edge portion only to the outer face of the wall member, the portion of the wall member within said secured pe-

ripheral edge portion being free from attachment to the plate member, the portion of said plate member inwardly of the attached edge portion being inclined inwardly and formed at its central portion with an outwardly extending dome portion having an opening at the top thereof, the portion of the wall member opposite the dome portion being expansible thereinto and into the opening at the top of the dome in the presence of an inflating pressure within the article to seal said opening, the portion of the wall member within said peripheral edge portion of the plate being provided with an opening offset from said dome portion, said last-named opening being closed by a face to face engagement of the adjacent portions of the wall and plate members in the presence of an inflating pressure within the article, the portion of the wall member within said secured peripheral edge portion of the plate member being movable inwardly away from the plate member by inwardly directed pressure through said first-named opening to establish an article inflating and deflating communication between said openings.

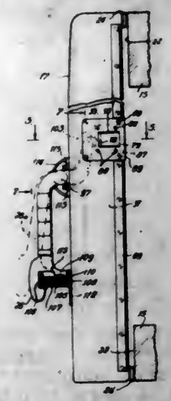
2,566,577
LIFTER FOR LIFTING ROAST FOWL, MEAT, ETC.
John W. McDevitt, Davenport, Iowa
Application January 28, 1949, Serial No. 73,263
4 Claims. (Cl. 294—106)



1. A lifter for roasted fowl and meats, comprising an elongated body of sheet metal or other suitable material, with downwardly extending flanges united to the sides thereof, a pair of rings mounted in suitable bores formed in each of the flanges respectively at opposite ends thereof, longitudinal bars substantially parallel with the body mounted upon each pair of rings severally below their flanges, downwardly extending arms united to the bars respectively having inwardly turned prongs at their lower ends whereby they may engage and lift a fowl or piece of meat encompassed thereby, a handle united to the upper face of the body, and small manually operable plates united to the longitudinal bars extending upwardly adjacent the flanges on opposite sides of the body.

2,566,578
DOUBLE-DOOR STRUCTURE WITH LATCHING MECHANISM
Charles G. Minor, Evanston, Ill., assignor of one-half to Albert G. McCaleb, Chicago, Ill.; Harry H. Gmeiner executor of said Charles G. Minor, deceased; Ruth F. McCaleb executrix of said Albert G. McCaleb, deceased
Application November 29, 1947, Serial No. 788,830
6 Claims. (Cl. 20—16)

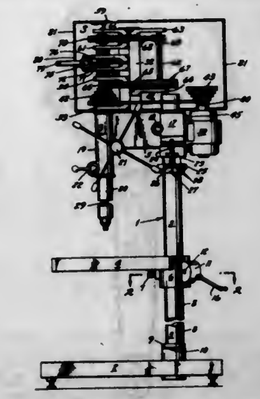
1. In a double door structure adapted tightly to close a door opening of a housing and to be latched in the closed position without the use of a mullion between the doors in said opening, the combination comprising two doors hingedly supported at opposite edges for swinging movement toward and from one another between open and closed positions, said doors in their closed position being substantially flush with one another and having edges in adjacent relationship at the mid-portion of the door opening, a first latch carried by one of said doors and supported for swinging movement relative to said edge thereof, said first latch being normally biased by a spring to a position in which said one of the doors is released for opening movement, a keeper secured to said housing in position for engagement by said



first latch to hold the said one of the doors in the closed position, an actuating element on the other of said doors for effecting engagement of the keeper by said first latch when said doors are moved to their closed positions, a second latch on said other door positioned for engagement with a keeper on said one of the doors and normally biased to a latching position for holding the other of said doors in the closed position, and means including a manually operable handle on said other of the doors for effecting release of said second latch to free said other of the doors for opening movement which results in movement of the actuating element away from the first latch and movement of said first latch by the spring to a position away from said keeper on the housing.

2,566,579
MULTIPLE-SPEED DRILL PRESS
Fred L. Nichols, Minneapolis, Minn.
Application April 8, 1950, Serial No. 154,749
6 Claims. (Cl. 74—217)

1. In a device of the class described, a head structure, a spindle mounted for rotary movements in said head structure, a drive shaft, a sleeve journalled for rotation in said head structure and concentric with said spindle, variable speed power transmission means associated with said drive shaft and sleeve for transmitting rotary movement to said sleeve at various speeds within a predetermined speed range, a second sleeve journalled for rotation in said head structure in axially spaced relation to said first mentioned sleeve and concentric with said spindle, power transmission mechanism operatively associated with said first and second sleeves whereby rotary movements are imparted to said second sleeve at various speeds within a speed range different from the range of speed of rotary movement of said first mentioned sleeve, opposed clutch elements on adjacent ends of said sleeves, and a shiftable clutch member keyed to said spindle for axial sliding movements with respect thereto into and out of driving engagement with



either of said clutch elements independently of the other, whereby to impart rotary movements to said spindle in a selected speed range.

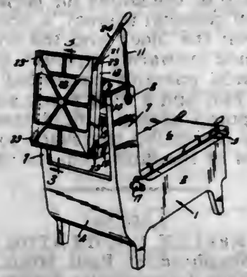
2,566,580
GOLF GLOVE
Edward H. Patterson, Jr., Menands, N. Y.
Application January 28, 1948, Serial No. 4,899
3 Claims. (Cl. 2—159)



1. A leather glove adapted for golf players comprising portions forming coverings for the palm, fingers and thumb of the hand; said palm portion comprising two layers of leather with the flesh sides thereof in opposed relation and characterized by having spaced perforations of substantial size therein extending through the outer layer of leather only; means securing said layers of leather together; said glove being of a length adapting it to extend from the finger tips approximately to the wrist joint; and means for securing said glove tightly around the wrist of the wearer, said glove, including its length, securing means, double palm portion and perforations, being so constructed and arranged that the same will be stretched tightly and smoothly over the hand when in use in gripping the handle of a golf club to provide a vacuum grip between the handle and glove when worn on the hand of a golf player.

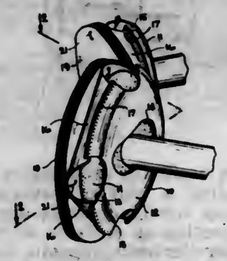
2,566,581
STEREOTYPE CASTING MACHINE
Wayne Peterson, Moorhead, Minn.
Continuation of application Serial No. 14,262, March 11, 1948. This application April 28, 1950, Serial No. 158,747
1 Claim. (Cl. 22—3)

In a device of the class described, a pair of spaced vertically-disposed frame members, a metal pot secured intermediate said members adjacent their upper ends, a pot heating element immediately below said metal pot for heating the same, and a scorcher plate carried by the upper



portions of said frame members and shaped to extend therebetween and project above and laterally outwardly of said metal pot to provide therewith a heating zone for matrix to be dried.

2,566,582
HEADREST COVER UNIT FOR DENTAL CHAIRS
Irving E. Rotner, Spring Valley, N. Y.
Application April 8, 1950, Serial No. 154,765
3 Claims. (Cl. 155—176)



3. A pad unit for a sectional headrest comprising a backing section having two laminae, one of said laminae having an opening therein to receive a headrest and also having a plurality of marginal cut-outs formed therein, a plurality of separable sheets superposed and detachably secured to the other of the said laminae adjacent the said marginal cut-outs, the tension being on the said backing section when the unit is mounted on the headrest.

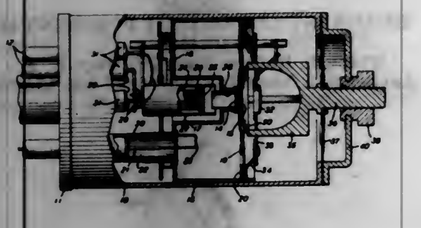
2,566,583
JAW CRUSHER
Harry J. Shelton, University City, Mo.
Application October 8, 1947, Serial No. 778,556
3 Claims. (Cl. 241—217)



1. A jaw crusher having a housing, a movable jaw, a toggle plate for rockably supporting the lower end of said jaw, a toggle block for rockably supporting the toggle plate, a back support in said housing, a plurality of removable shims disposed between the toggle block and back sup-

port for adjusting the position of the toggle block in relation to the back support, bracket means within the housing for supporting the shims, said housing being provided with openings adjacent the end of the shims for permitting ready insertion and removal thereof, a cross bar interposed between the block and the shims extending at its ends outwardly through the openings, hydraulic jacks operably connected to the ends of the cross bar, and a fluid pump actuating said jacks, said pump having a fluid reservoir and a return valve associated therewith to control the returned flow of the fluid from the jacks.

2,566,584
REFLEX OSCILLATOR
William G. Shepherd, St. Paul, Minn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1948, Serial No. 62,395
2 Claims. (Cl. 315—39)



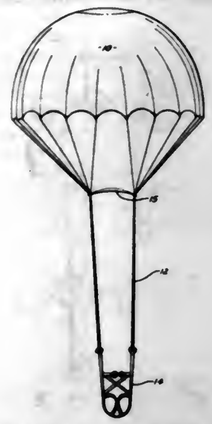
1. A reflex oscillator comprising a cavity resonator including a pair of juxtaposed members defining a gap, means opposite one of said members for projecting an electron stream across said gap, a repeller electrode opposite the other of said members, and means connected to said other of said members for displacing said other member to vary the length of said gap thereby to tune said resonator over a preassigned band of frequencies, said repeller electrode being spaced from said gap substantially in accordance with the relation

$$l = \frac{\delta}{1 - \frac{f_L}{f_H}}$$

where l is the distance from the center of gap to the repeller electrode at the mid-frequency of said band, f_L and f_H are the extreme frequencies in said band, and δ is half the displacement of said one member requisite to tune said resonator over said range.

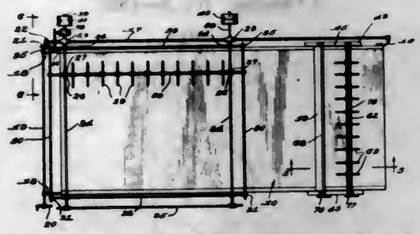
2,566,585
PARACHUTE CONSTRUCTION
J. Floyd Smith, Glendale, Calif.
Application June 10, 1948, Serial No. 32,223
10 Claims. (Cl. 244—152)

1. In a parachute, the combination comprising: a canopy; a plurality of suspension lines connecting the peripheral skirt of the canopy to load carrying means, said lines converging downwardly when the canopy is fully extended; and an aerodynamic baffle extendable above said skirt slidably mounted on the suspension lines at spaced positions around its periphery and



movable therealong to control the opening of the canopy.

2,566,586
CANDY BAR FORMING MACHINE
Frederick E. Soell, Estondale, Mass.
Application April 15, 1946, Serial No. 662,190
4 Claims. (Cl. 107—22)



1. A candy bar forming machine which includes a hollow slab adapted to support a batch of candy while the latter is in a heated and fluid condition, means to circulate fluid through the slab to regulate the temperature of the candy so as to produce in it a viscous condition that will enable the candy to be cut into separate pieces, a carriage movable longitudinally of the slab, laterally spaced cutting discs carried by the carriage for making longitudinal incisions in candy on the slab when it has attained the desired viscous condition, a screw shaft carried by the slab near one longitudinal side edge thereof, a tiltable carriage movable longitudinally on the screw shaft, spaced cutting discs mounted on the tiltable carriage for movement in unison transversely of the slab for making transverse incisions in the candy, and means carried by the tiltable carriage for moving in unison the cutting discs carried thereby.

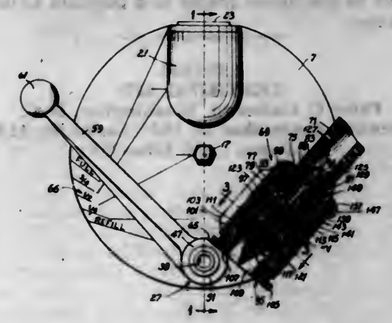
2,566,587
PROTECTIVE ATTACHMENT FOR SAFES
Harry W. Srygley, Abilene, Tex.
Application May 10, 1948, Serial No. 26,085
7 Claims. (Cl. 109—34)

5. A housing for attachment to the inner panel of a safe door, frangible containers of noxious gas firmly mounted upon the inside of said housing, a resilient support clip mounted upon said housing between said containers, a swinging arm upon said support clip, a plate upon said arm, outward from, extending over, and in resilient contact with said containers, and means upon said plate,



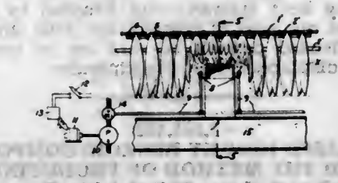
accessible from without said housing for adjustment, and adjustable in order to maintain contact with the inner surface of the tumbler curb of the safe combination lock.

2,566,588
BEVERAGE DISPENSER WITH CONTROL SETTING INDICATOR
Parke H. Thompson, Kirkwood, Mo., assignor, by mesne assignments, to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1946, Serial No. 651,648
13 Claims. (Cl. 225—21)



1. A counter dispenser for syrups and the like, comprising a transparent cylinder visibly containing liquid and having a substantially horizontal axis, removable sealed heads on the opposite ends of said cylinder, one of said heads having an upwardly directed inlet and a downwardly located outlet, a removable tension bolt clamping said heads to opposite ends of the cylinder and passing therethrough, liquid flow proportioning control means mounted on said last-named head and controlling said outlet, said flow proportioning control means having a handle and being adapted to dispense different quantities of liquid depending upon the portion of the handle, and indicia on said head with which said control means is visibly coordinated to indicate the amount the control means is to be opened in terms of the amount of visible liquid in the cylinder, said indicia being correlated to the height of liquid head in the cylinder so that, as the liquid head diminishes due to withdrawal of liquid, the resultant slower flow of liquid through the flow controlling means may be compensated by appropriate positioning of the handle to cause a relatively uniform quantity of liquid to be dispensed.

2,566,589
METHOD FOR TREATING TOBACCO
Rush D. Touton, Wynnewood, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 30, 1944, Serial No. 570,666
2 Claims. (Cl. 131—140)



1. The method of moistening tobacco with moistening liquid which includes subjecting tobacco leaves, in hands secured by their butts only to a traveling conveyor with the leaf portion of the hands being free and extending laterally of the conveyor, to a spray of liquid only, immediately thereafter to a mixture of air and liquid in spray form, immediately thereafter to a blast of air under pressure and conditioned as to moisture and temperature, immediately thereafter to a mixture of air and liquid in spray form, and immediately thereafter to a spray of liquid only.

2,566,590
GUN SIGHT
Joseph Trippi, Cleveland Heights, Ohio, assignor of one-third to Raymond Manlet and one-third to Anthony Tripi, both of Cleveland, Ohio
Application September 22, 1948, Serial No. 50,511
2 Claims. (Cl. 33—47)



1. A gun sight, comprising the combination of a composite clamp adapted to be secured to a gun and a structure having its lower part of arcuate form and carried by said clamp, said structure comprising an upstanding prong and a pair of transparent triangular flanks defining a V-shaped gap bisected by said prong.

2,566,591
PISTON EXPANDER—SHELL DRIVE-IN TYPE
Glen J. Worel, Minneapolis, Minn., assignor to Thexton Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application April 28, 1949, Serial No. 90,155
6 Claims. (Cl. 309—12)



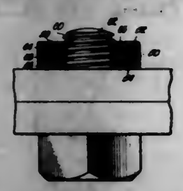
1. A piston expander for an internal combustion engine piston of the type having opposed, substantially cylindrical wrist pin bosses, a cylin-

drical wrist pin journaled therein and an annular, depending piston skirt of resilient material comprising; a generally U-shaped resilient body having legs of considerable width, said legs having indented portions shaped to fit at least partially about the wrist pin bosses, and at least one of said legs having its upper end portion split to form a tooth-like member, said tooth-like member being bent laterally and adapted to engage the wrist pin boss in cooperation with the adjacent indented portion of said leg to positively prevent displacement of the expander.

2,566,592
STABILIZED IODOXY BENZOIC COMPOUNDS AND THE METHOD OF PRODUCING
Thomas Carl Aschner, Philadelphia, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application July 1, 1950, Serial No. 171,762
6 Claims. (Cl. 260—453)

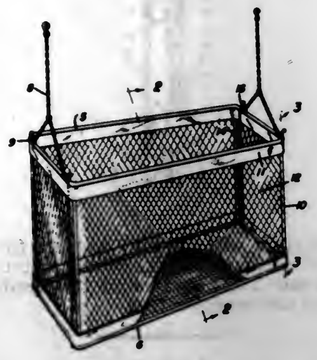
1. The method of forming a stabilized o-iodoxy benzoic compound which comprises admixing a member selected from the group consisting of o-iodoxy benzoic acid and its salts with an aqueous sorbitol solution and separating the reaction product from the sorbitol solution.

2,566,593
SLIP-ON NUT
Samuel Bloomfield, Wichita, Kans., assignor to C. Earl Hovey, Kansas City, Mo., as trustee
Application June 8, 1945, Serial No. 598,215
1 Claim. (Cl. 85—36)



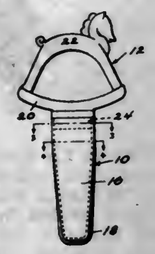
A slip-on nut for bolts having a threaded shank, said nut comprising a tubular body having a side wall provided with a plurality of faces, a first inturned flange at one end thereof defining a central, circular opening having a diameter slightly greater than the diameter of said threaded shank, and a second inturned flange at the opposite end thereof defining a polygonal opening appreciably greater than said diameter of the threaded shank and having an edge corresponding to each face respectively of said side wall; and a plurality of sets of washer-like members in the body, filling the space between said flanges, and having the peripheries thereof conforming to and engaging said faces of the side wall, each set comprising a resilient member having an opening and a plurality of opposed pairs of elongated tongues extending radially inwardly within said opening thereof, and defining an imaginary circle at the innermost ends thereof having a lesser diameter than that of said threaded shank, a second member underlying said resilient member and provided with a circular opening coaxial with the opening of said first flange and identical therewith in diameter, and a third member underlying the second member and identical in form with said second flange, said tongues each being cut away at opposite edges adjacent their outermost ends whereby to enhance the flexibility thereof.

2,566,594
SWINGING CRIB
Edward C. Brown, St. Petersburg, Fla., assignor of one-half to Anna Brown, St. Petersburg, Fla.
Application May 25, 1950, Serial No. 164,090
3 Claims. (Cl. 5—98)



1. A swinging crib comprising upper and lower rigid frames, flexible members connecting the frames to each other, a collapsible reticulated covering at the sides and bottom of the connected frames, flexible hangers connected to the upper frame, and means hoisting the lower frame with respect to the upper frame to a position adjacent the latter.

2,566,595
TEETHING AID
Peter C. Cameron, Washington, D. C.
Application September 28, 1949, Serial No. 118,211
6 Claims. (Cl. 128—359)

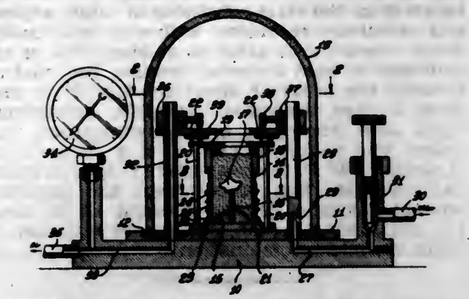


1. A teething aid comprising, a hollow tubular member adapted to receive a freezable liquid, and a handle member rigidly connected with said tubular member for selectively positioning the latter in a human mouth, the said handle member including an elongated portion extending outwardly a substantial distance beyond the sidewall of said hollow tubular member.

2,566,596
METHOD OF PREPARING DENTAL INVESTMENTS AND THE LIKE
Jacob J. Cantor, Los Angeles, Calif.
Application January 15, 1948, Serial No. 2,406
6 Claims. (Cl. 18—55.1)

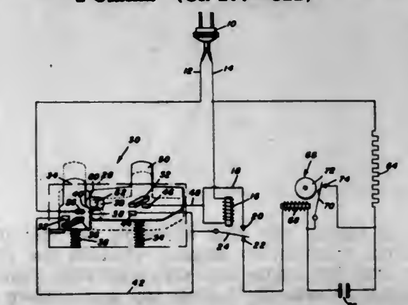
1. The method of preparing a dental investment or similar mold which comprises placing dry

plaster in a flask about a pattern and evacuating air from the same while dried and while evacu-



ated wetting the plaster causing it to commence to set.

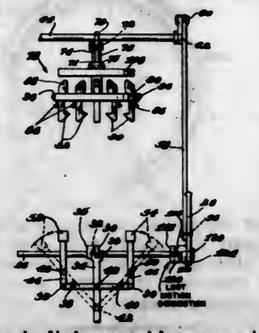
2,566,597
POWER FAILURE ALARM
George J. Cass, Kansas City, Mo.
Application August 5, 1949, Serial No. 108,722
1 Claim. (Cl. 177—311)



An alarm device for indicating return of current to a circuit comprising a pair of conductors connected to a source of current, a relay solenoid having one terminal connected to a first of the pair of conductors and having the other terminal connected to a first switch contact, a second switch contact adjacent said first switch contact, a relay-actuated switch connected to a switch circuit actuated by said relay solenoid positioned between said switch contact selectively contacting said switch contacts, an alarm circuit terminally connected to said second switch contact and said first conductor, said switch circuit comprising a first switch connected to said relay actuated switch and to the second of said conductors, means urging said first switch into a closed circuit position, a second switch terminally connected to said first switch contact and said relay operated switch, means urging said second switch into an open circuit position, and locking means carried by said second switch locking engaging said first switch holding said first switch in an open circuit position when said second switch is in a circuit open position.

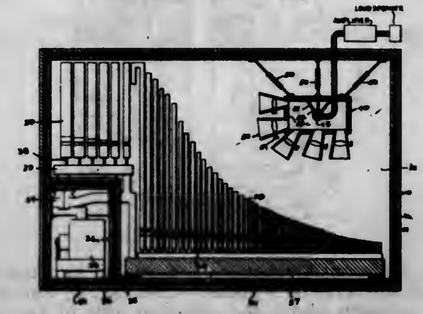
2,566,598
SURFACE SUPPORTED DEVICE FOR GRIPPING A RECEPTACLE AND REMOVING THE CLOSURE AND HAVING A SINGLE OPERATOR
John Fred Castner, Hammond, La.
Application October 20, 1947, Serial No. 780,964
4 Claims. (Cl. 81—3.32)

1. In an apparatus for removing a lid from a container, said container being of the type including a lid having a circumferential rib, a support for said container, container holding means and lid engaging means mounted on said support having cooperative engagement with operating means, a handle, said operating means including a rotatable shaft operably connected to said container holding means, said handle mounted on



said shaft, a main link operably connected to said handle and through a second link to rotate a second rotatable shaft, said second shaft connected to said lid engaging means whereby vertical movement of said lid engaging means is effected to release said lid upon actuation of said handle by the operator.

2,566,599
PIPE ORGAN
Arthur James Chase, Los Angeles, Calif.
Application February 24, 1948, Serial No. 10,252
6 Claims. (Cl. 84—1.04)

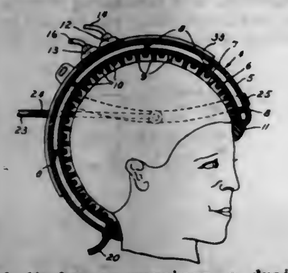


1. The method of producing tones in a pipe organ comprising passing a tone producing medium under predetermined pressure through organ pipes dimensioned to produce low amplitude sound waves of desired pitch at the predetermined pressure, and amplifying the low amplitude sound waves to produce tones of normal amplitude characterized by balanced tonal relationship and integrity of tone color.

2,566,600
HAIR TREATING APPARATUS
Amado B. Colon, Arecibo, Puerto Rico
Application November 16, 1949, Serial No. 127,652
5 Claims. (Cl. 128—65)

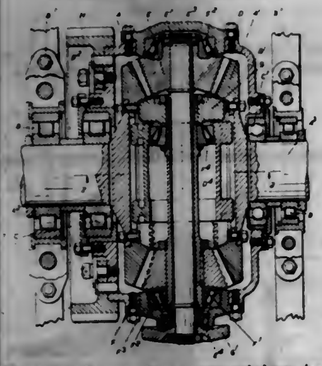
1. Hair massaging and treating apparatus, comprising in combination a hood of semi-rigid waterproof material adapted to enclose the hair and cranium of a wearer, means for sealing the bounding edges of said hood adjacent the hair line of the wearer, a lining in said hood spaced inwardly to form a liquid distributing chamber,

means maintaining said spacing, at least one fluid inlet opening to said chamber, a series of discharge openings in said lining, a series of inwardly directed massaging fingers interposed be-



tween said discharge openings, a drain opening leading from the interior of said lining, and a vibrating unit operatively connected to said hood for bodily vibrating the latter to cause a massaging action by said fingers.

2,566,601
DIFFERENTIAL TRANSMISSION GEARING
Richard Joseph Walsh Cousins, Shoreham-by-Sea, England, assignor to Fell Developments Limited, London, England, a British company
Application December 11, 1950, Serial No. 200,198
In Great Britain December 22, 1949
5 Claims. (Cl. 74—713)

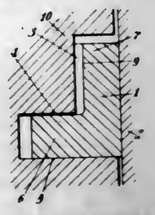


1. Differential gearing comprising two coaxial bevel sun wheels, a planet wheel carrier mounted for rotation about the common axis of the sun wheels and independently thereof, first and second coaxial bevel planet wheels mounted for rotation in the planet wheel carrier and each meshing with both the sun wheels, a first weight situated on the side of said common axis remote from said first planet wheel, first rigid connecting means for connecting said first weight to said first planet wheel, a second weight situated on the side of the said common axis remote from said second planet wheel, and second rigid connecting means for connecting said second weight to said second planet wheel.

2,566,602
EXPLOSIVE COMPOSITION
Martin de Simo, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware
No Drawing. Application September 3, 1947, Serial No. 772,015
1 Claim. (Cl. 52—17)

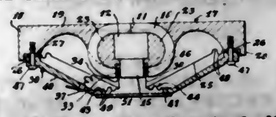
An explosive comprising essentially a solid inorganic oxidizing agent intimately admixed with 25–40% by weight of a composition formed by mixing a heavy hydrocarbonaceous material selected from the class consisting of pitch, asphalt and petroleum residuum, with elemental sulfur in an amount equivalent to at least 60% of the hydrogen in said material, heating the mixture through the range of about 300–625° F. to produce a hard, infusible, insoluble, amorphous, black solid, known as a sulfohydrocarbon, calcining said sulfohydrocarbon at a temperature of about 1100° F. to about 1800° F. in a substantially oxygen free atmosphere, the resulting product having a density of about 1.5 to about 1.9, and having carbon, sulfur and hydrogen in stable chemical combination.

2,566,603
PISTON RING
Paul de Kantzow Dykes, Cambridge, England, assignor to The Motor Industry Research Association, Brentford, England
Application December 2, 1948, Serial No. 63,018
In Great Britain December 18, 1947
5 Claims. (Cl. 309—44)



1. A piston and ring assembly for use in an internal combustion engine, wherein the piston ring and its groove are provided with adjacent surfaces intermediate their top and bottom surfaces and disposed in a plane substantially at right-angles to the cylinder axis, the relative dimensions of the ring and groove being such that if the ring moves axially in its groove under inertia forces, contact between said adjacent surfaces limits the upward movement of the ring and ensures an adequate clearance space between the top of the ring and the top of the groove which provides a sealed path for gas flow to the inner surface of the ring, whereby the resulting gas force acting on the inner surface of the ring is sufficient when considered in conjunction with the stiffness of the ring to prevent the radial collapse of the ring due to the force exerted by gas seeping between the outer surface of the ring and the cylinder wall.

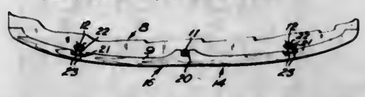
2,566,604
ELECTRODYNAMIC LOUD-SPEAKER ASSEMBLY
William C. Eaves, Elyria, Ohio
Application March 16, 1948, Serial No. 15,202
11 Claims. (Cl. 179—115.5)



1. In combination, a speaker including a base frame formed of resinous molded material; a magnet permanently embedded in the molded resinous frame; a cylindrically-shaped pole piece associated with said magnet and forming therewith an annular space; a coil disposed in said annular space; a cylindrical sleeve of nonmetallic

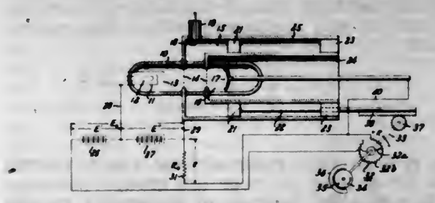
material supporting said coil; a frusto-conically shaped diaphragm connected to said coil supporting means; the peripheral portion of said diaphragm being secured to the frame, and a centering spider of nonmetallic material connected to said coil supported means and adapted to maintain the coil in said annular space out of engagement with said magnet and pole piece.

2,566,605
RADIATOR GRILL SHIELD FOR MOTOR VEHICLES
Hilmar E. Ekornaas, Kenosha, Wis.
Application February 27, 1948, Serial No. 11,812
1 Claim. (Cl. 257—132)



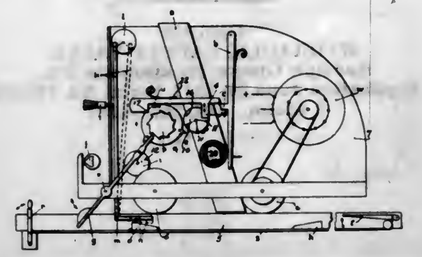
A radiator grill shield comprising a plurality of elongated, substantially rigid strips adapted to be selectively applied to or removed from the slots defining the spaces between the bars of a radiator grill and corresponding substantially to the curvature of said bars for closing said slots, each of said strips having a thickened inner edge portion intermediate of its ends provided with a notch adapted to engage a central rod of the grill for centering the strip relatively thereto, and said strip being provided with spring clips adjacent each end thereof for resiliently and releasably engaging other rods of the grill for detachably retaining the strips in the slots thereof.

2,566,606
HIGH-FREQUENCY OSCILLATOR
Paul O. Farnham, Mountain Lakes, N. J., assignor to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application February 11, 1947, Serial No. 727,885
6 Claims. (Cl. 250—36)



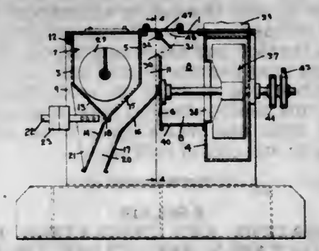
5. In combination with a reflex klystron tube that comprises a cathode, a resonant cavity, a resonator grid and a repeller electrode for producing a density modulation of an electron beam emanating from the cathode, a tuning device for varying the operating frequency of the klystron, said tuning device comprising, a plunger adjustable to alter the resonance characteristic of the cavity, a source of fixed direct current potential, a rheostat having a linear displacement-resistance characteristic, a fixed resistor, means connecting the rheostat and resistor in series to said potential source, means connecting said fixed resistor in circuit with said repeller electrode such that the repeller electrode voltage varies with the voltage drop across said fixed resistor, and a constant-ratio drive coupling the adjusting means for the plunger with the displaceable member of said rheostat to thereby effect a change in the applied repeller electrode voltage that increases linearly with an increase in operating frequency of the klystron.

2,566,607
MINIATURE RIFLE RANGE
Walter Geiser, Olten, Switzerland
Application August 8, 1946, Serial No. 689,212
In Switzerland August 7, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 7, 1965
5 Claims. (Cl. 194—9)



1. A miniature rifle range comprising a track, a carriage movably mounted on said track, electric drive means for moving said carriage on said track, energizing means for said drive means, a backing plate having a target thereon pivotally mounted on said carriage, a tumbler switch mounted on said carriage and operatively connected to said backing plate, said tumbler switch being electrically connected to said drive means for energization thereof, cut off means for said drive means at each extremity of said track, and release means for preparing a circuit for said energizing means.

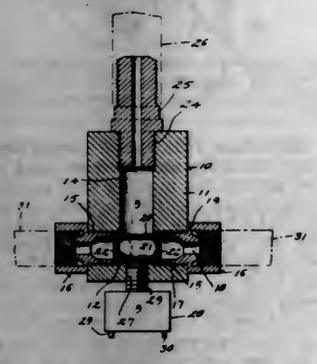
2,566,608
CLEANER
Joseph Gollbach, Sacramento, Calif.
Application February 9, 1948, Serial No. 7,255
3 Claims. (Cl. 209—137)



1. A cleaner for rice and the like comprising a housing enclosing a horizontally elongated air suction compartment and a horizontally elongated feed compartment in side by side relationship, an outlet in the bottom of said feed compartment extending substantially the full length thereof and a similarly extending inlet opening into the upper portion of said air suction compartment, an air passageway between said suction compartment and said feed compartment communicating between said outlet and said inlet, means for creating a suction within said suction chamber, and said passageway having a downward extension continuing downwardly past said outlet for receiving a supply of air therethrough, said extension having an open lower end for discharge of material not drawn into said suction chamber, a horizontally extending screw conveyor in said feed chamber extending over said outlet for moving rice to different points along said outlet, the lower portion of one of the side walls of said feed compartment being one side of said outlet, and means hingedly

supporting said portion for swinging toward and away from the opposite side of said outlet for varying the size of the latter, and means secured to said portion tending to constantly urge said portion toward the said opposite side of said inlet against the outward pressure of material passing through said outlet.

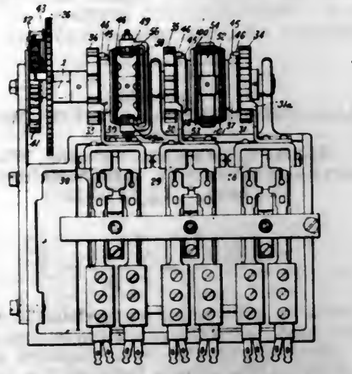
2,566,609
HYDRAULIC SAFETY VALVE
Rudolph Grosse, Jacksonville, Fla.
Application June 20, 1947, Serial No. 756,000
1 Claim. (Cl. 251—118)



A hydraulic safety shut-off valve comprising a body formed with a transverse bore therethrough, an outlet fitting engaged in the opposite ends of said bore, each of said fittings formed with an inwardly directed valve seat on the inner ends thereof, said body formed with an inlet passage communicating with said transverse bore at right angles thereto and intermediate the length thereof, a cylindrical strainer element in said bore coaxial therewith open at the ends thereof and extending across the opening of said inlet passage in said bore, and a cylindrical valve plug slidable in said strainer element having semi-spherical ends alternately engageable with said valve seats upon sliding of said plug to one end of said bore.

2,566,610
AGGREGATING AND DISPLAYING DEVICE, PARTICULARLY APPLICABLE TO TOTALIZATORS
John Handley, Purley, England, assignor to The Union Totalisator Company Limited, Glasgow, Scotland, a company of Great Britain
Application July 20, 1948, Serial No. 39,618
In Great Britain December 5, 1947
2 Claims. (Cl. 235—92)

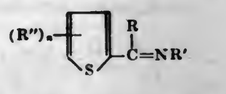
1. An electromechanical aggregator adapted to respond to electrical impulses received at very high speed from a plurality of sources, comprising a plurality of spring-driven escapement wheels, means for applying said impulses to said spring-driven escapement wheels, a common shaft, a plurality of differential gears between said escapement wheels and said common shaft for aggregating the movement of said escapement wheels on to said common shaft, rotatable means co-axial with said common shaft, driving means for said rotatable means, a further spring-driven escapement device adapted to permit said rotatable means to rotate when said common shaft commences to move and to arrest the motion of said rotatable means when said rotatable means has moved a sufficient distance to absorb the motion of said common shaft, said further spring-driven escapement device comprising a fixed ratchet wheel, a pawl mounted on said rotatable means and adapted to engage said fixed



ratchet wheel, and means responsive to motion of said common shaft to disengage said ratchet wheel and said pawl and to cause said pawl to engage said ratchet wheel to arrest the motion of said rotatable means.

2,566,611
MINERAL OIL COMPOSITION CONTAINING AN ALKYL THIENYL KETIMINE
Howard D. Hartough, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 3, 1949, Serial No. 131,046
8 Claims. (Cl. 252—47)

1. An improved mineral oil composition comprising a major proportion of mineral oil and, in admixture therewith, a minor proportion, less than about 10 per cent by weight but sufficient to stabilize said oil against the deleterious effects of oxidation, of a compound having the general formula:



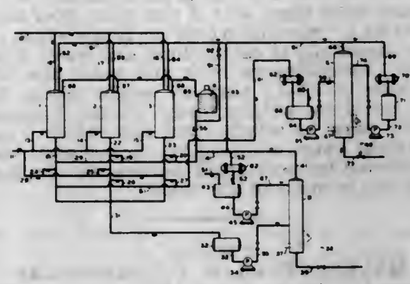
where R is an alkyl group of from 1 to 17 carbon atoms, R′ is selected from the group consisting of aryl and alkyl radicals of at least 5 carbon atoms, R″ is a substituent selected from the group consisting of hydrogen, halogen, amino, nitro and alkyl groups, and n is a whole number from 1 to 3.

2,566,612
FISHING FLOAT
Oliver K. Hearne, Jacksonville, Fla.
Application April 2, 1948, Serial No. 18,661
2 Claims. (Cl. 43—44.9)



1. In a fishing float, a cylindrical air chamber, longitudinally extending vanes mounted on the upper and lower surfaces of said cylindrical air chamber, each of said vanes being disposed at right angles to the adjacent vane, and vertical light reflecting ribs arranged in parallel on the surfaces of said vanes.

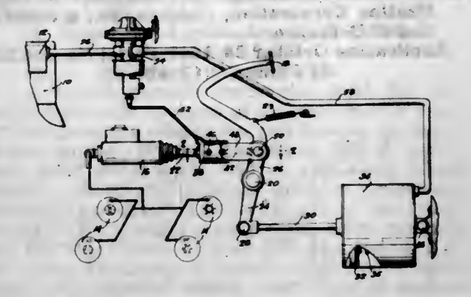
2,566,613
AROMATIC RECOVERY PROCESS
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 20, 1948, Serial No. 39,690
3 Claims. (Cl. 260—674)



1. A continuous process for the extraction and recovery of aromatic hydrocarbon from a narrow boiling range stream of aromatic and paraffinic hydrocarbons wherein said stream of hydrocarbons is passed successively through each of three beds of adsorption silica gel comprising passing said stream of hydrocarbons through the first of the three beds of absorbent; passing a stream of vaporous butane into said first bed of adsorbent and condensing said butane therein to liberate heat of condensation, removing from said first bed the unadsorbed portion of the stream of hydrocarbons remaining in said first bed, and subsequently removing therefrom a mixture of liquid butane and paraffinic hydrocarbons; passing into said first bed a stream of vaporous butane at a temperature of from 400° to 600° F. and removing from said first bed a mixture of aromatic hydrocarbon and butane, recovering from this latter mixture the aromatic hydrocarbon as one product of the process, and vaporous butane; passing vaporous butane at 150° F. into said first bed from which aromatic hydrocarbon has been desorbed at 400° to 600° F. to cool said first bed of gel and to heat the vaporous butane; and after the cooling of said first bed passing thereinto said stream of aromatic and paraffinic hydrocarbons to complete the cycle.

2,566,614
HYDRAULIC BRAKE
Ralph S. Huyck, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 2, 1938, Serial No. 205,448
8 Claims. (Cl. 188—3)

1. In a brake system, means for operating brakes comprising a pair of parallel arms, a power lever and a pedal on coaxial pivots, a pin pivoting said lever and said arms and passing through an elongated slot formed in the pedal, a power cylinder connected to the power lever, a fluid pressure creating device secured to said arms and having an actuating element connected to the pedal, and a control valve for the power

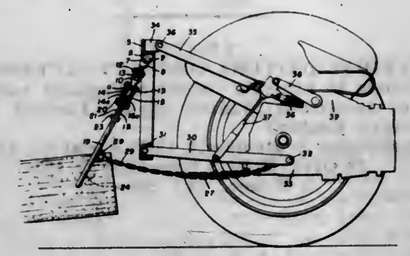


cylinder having a piston actuated by the pressure in the pressure creating device.

2,566,615
ETCHING TUNGSTEN COILS
Gerald W. Keilholtz, Lynn, and Martha J. Bergin, Boston, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
No Drawing. Application March 21, 1947, Serial No. 736,414
3 Claims. (Cl. 41—42)

1. The process of reducing the diameter of coiled tungsten wire which comprises bathing the coiled tungsten wire in an agitated solution of alkaline potassium ferricyanide.

2,566,616
LOGGING APPARATUS
Reuben G. Larson, La Crosse, Wis.
Application January 26, 1950, Serial No. 140,700
5 Claims. (Cl. 214—65.3)



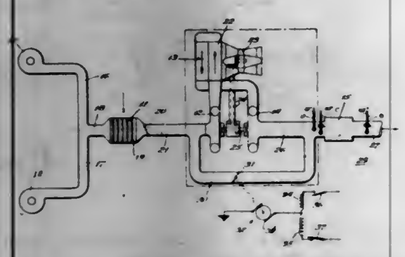
1. A logging attachment for a tractor having a lift mechanism, said attachment comprising a substantially semi-circular frame, a substantially inverted U-shaped swivel yoke carried by said frame, a swivel pivotally connected to said yoke, a pair of tongs having lower terminal hooks, the upper ends of said tongs crossing each other and pivotally connected together, connecting means between the swivel and tongs, flexible chains anchoring the said tongs to the tractor, said chains holding the tongs to the tractor as the frame is raised vertically to force the prongs inwardly toward each other, and means connecting the frame to the lift mechanism carried by the tractor for raising and lowering said frame in a substantially vertical plane.

2,566,617

AIRCRAFT REFRIGERATION CONTROL

Timothy J. Lehane, North Riverside, and Edward W. Johnson, Chicago, Ill., assignors to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware

Application October 28, 1949, Serial No. 124,222
11 Claims. (Cl. 62—6)



1. In a temperature control system for a pressurized aircraft cabin, the combination with means for compressing air, a primary cooler for extracting from the compressed air a portion of the heat generated by said compression, means for further cooling said air, and means for extracting surplus moisture from the cooled air; of means for controlling the temperature of the atmosphere within the cabin and for preventing possible freezing of moisture in said moisture extractor comprising means defining a conduit by-passing said cooling means and adapted to deliver a portion of the heated air direct from said primary cooler to said moisture extractor to raise the temperature of the refrigerated air therein, a valve for controlling the volume of by-passed air delivered, electrical means responsive to selected temperatures within the cabin for adjusting the position of said valve, and means responsive to a predetermined low temperature in said moisture extractor for controlling said valve adjusting means to maintain the temperature within said moisture extractor above freezing.

2,566,618

TURBINE DRIVING AIRCRAFT ACCESSORY

William H. Lindsey, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England

Application September 1, 1948, Serial No. 47,302
In Great Britain November 25, 1947
5 Claims. (Cl. 290—52)



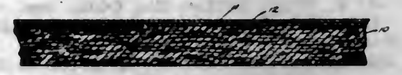
1. For an aircraft, an internal-combustion turbine plant including a turbine and a coaxial rotary-type compressor having a common rotor shaft and being axially-spaced by a plurality of combustion chambers extending between them and arranged in a circle round said shaft, said combustion chambers receiving compressed air from the compressor and delivering it admixed with fuel to drive the turbine, in combination with a dynamo-electric machine, arranged within the circle of said combustion chambers and between the adjacent ends of said turbine and compressor, and comprising a rotor fast with said shaft and a stator surrounding said rotor.

2,566,619

INSULATING MATERIAL AND METHOD OF FORMING THE SAME

Herman L. Lyon and Justin R. Boeker, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application October 12, 1945, Serial No. 621,936
12 Claims. (Cl. 154—28)



3. A method of making a hard surfaced glass fiber insulation of low density which comprises covering at least one wall of an insulating layer of bonded glass fibers with a thin glass fiber fabric, applying a composition over the fabric which consists essentially of casein, lime, and water soluble phenol formaldehyde resin and water present in the ratio of 5.4–5.7 parts by weight casein, 35.0–59.0 parts by weight finely divided limestone, 1.9–3.7 parts by weight resin and 30.0–54.0 parts by weight water, and reacting the composite mass at elevated temperature to harden the casein and resin and to drive off the water.

2,566,620

MANUFACTURE OF SYNTHESIS GAS

Bertrand J. Mayland and Alfred Clark, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application August 9, 1948, Serial No. 43,320
12 Claims. (Cl. 252—373)

2. An improved process for the manufacture of carbon monoxide and hydrogen synthesis gas which comprises maintaining a first bed of small solid particles of iron oxide in a fluidized condition by suspension in a gas flowing at a sufficiently low rate that the bulk of the particles are maintained together as a dense highly agitated phase, introducing said iron oxide to said fluidized bed at a temperature of about 2500° F. and in such quantity as to maintain an oxygen content of the iron oxide at about 19 to 20 weight per cent, introducing methane to said fluidized bed as said gas, maintaining the temperature of the fluidized bed in the range of 1600 to 1650° F. by means of said iron oxide and a heated particulate refractory material, said fluidized bed temperature being such that oxygen is liberated from said iron oxide and said methane is oxidized to carbon monoxide and hydrogen therewith, removing reduced and cooled iron oxide from said fluidized bed and passing same by means of hot recycle regeneration gas to regeneration, oxidizing and heating said reduced and cooled iron oxide with hot flue gases and thereby also maintaining said iron oxide in a second fluidized bed, said iron oxide being oxidized to such an extent that the oxygen content of same within said first fluidized bed is maintained at about 19 to 20 weight per cent, and returning said oxidized and heated iron oxide to said first fluidized bed by means of recycle synthesis gas.

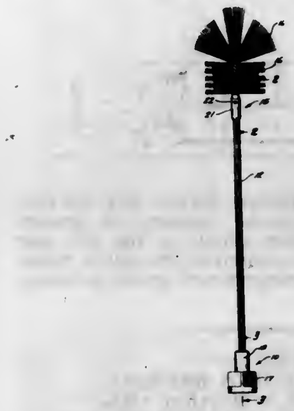
2,566,621

BRUSH SPINDLE

George L. N. Meyer, Milwaukee, Wis., assignor to Geo. J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin

Application April 9, 1949, Serial No. 86,432
4 Claims. (Cl. 15—128)

1. In a device of the character described, a brush spindle adapted to attach to a rotatable spindle head, said brush spindle comprising, a nipple, a brush mounted in one end of said nipple, a flexible tubing comprising a closely wound spring adapted to transmit rotation and to conduct fluid from the spindle head to the brush, and screw threads in the nipple engaging the coils of the spring to retain the same in the nipple.

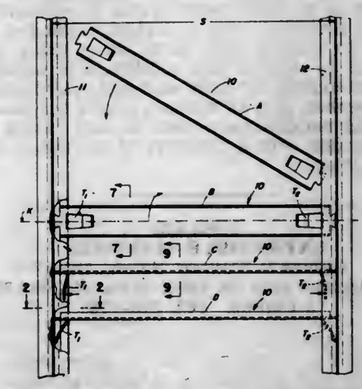


2,566,622

STRUCTURAL MEMBER

William R. Millier, Montreal, Quebec, Canada, assignor to Cresswell Roll Forming Company Limited, Granby, Quebec, Canada, a corporation of Quebec

Application September 1, 1949, Serial No. 113,530
1 Claim. (Cl. 189—34)



In combination with a pair of posts having vertical grooves of dove-tail cross-section facing each other, a transverse connecting member having a dove-tail terminal portion at each end, said dove-tail terminal portions being complementary to and lodging in dove-tail connection each with one of said vertical grooves, said member having adjacent each end a tongue tapered to form a narrow end and a wider base and bent towards and forced into the adjacent vertical groove with the tapered edges of the tongue engaging intersectingly with the entrance edge portions of said groove establishing wedging connection therewith.

2,566,623

HYDRAULIC FLUID COMPOSITION

Douglas H. Moreton, Pacific Palisades, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.

No Drawing. Application April 6, 1948, Serial No. 19,439
8 Claims. (Cl. 252—78)

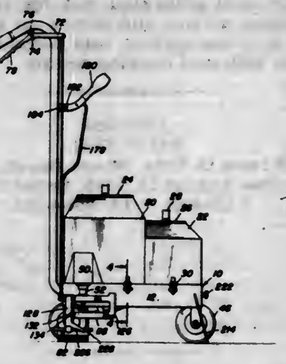
1. A non-flammable hydraulic fluid for dynamic hydraulic systems of aircraft having good low temperature properties and having an autogenous ignition temperature above 890° F. and a pour point lower than —40° F. consisting of an organic phosphate having three hydrocarbon radicals, two of which are members of the group consisting of phenyl, cresyl and xylyl radicals and the other hydrocarbon radical a member of the group consisting of cresyl, xylyl and a saturated alkyl radical having from 6 to 10 carbon atoms; and a relative proportion of from 20 to 60 volume per cent of a tri-aliphatic phosphate compounded therewith selected from the group consisting of trialkyl phosphates in which the alkyl groups are saturated branched chains with from 4 to 9 carbon atoms, trialkyl phosphates in which the alkyl groups are saturated straight chains with from 4 to 6 carbon atoms, and tributoxyethyl phosphate.

2,566,624

SURFACE MARKING MACHINE

Earl R. Myers, Lancaster, Pa.

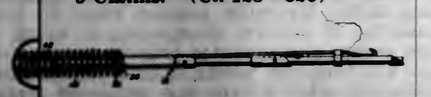
Application August 11, 1948, Serial No. 43,592
1 Claim. (Cl. 91—12)



A surface marking machine comprising a base plate having raised peripheral side walls on the upper surface thereof and casters on the bottom surface, a handle structure extending from the base plate, a liquid tank seated on said base plate, locking means connected between said tank and the side walls, a discharge funnel laterally extending from one of said side walls, a valve in said funnel, a manually operable control linkage carried by said handle structure and associated with said valve, a bracket arm laterally extending from the base plate, a pair of bearing brackets depending from said bracket arm, a pair of idler links pivotally connected at one end to said bearing brackets, a pair of operating arms pivoted to said idler links, recesses in the lower ends of said arms, a brush holder, laterally disposed pins carried by said holder and freely journaled in said recesses, a shaft rotatably journaled transversely on the bottom of the base plate and extending beyond one side thereof, an elongated sleeve concentrically disposed on said shaft, one of said operating arms being secured to one end of the sleeve and the other of said

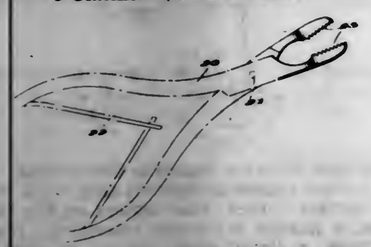
operating arms being secured to the extending end of the shaft, a bellcrank pivoted to said base plate, and elongated rod having a centrally disposed longitudinally extending slot carried by one end of said bellcrank, a pair of bracket arms carried by said shaft and sleeve, a transverse member carried by said bracket arms, said transverse member being disposed through the slot in the rod, resilient means connected between said base plate and the transverse member, an operating rod pivotally carried at one end by the handle structure and having its opposite end anchored to the bellcrank, whereby selective vertical movement of the rod effects a rotation of the shaft.

2,566,625
LIGATING INSTRUMENT
Clemens B. Nagelmann, Santa Barbara, Calif.
Application August 24, 1950, Serial No. 181,187
5 Claims. (Cl. 128—326)



1. A ligating instrument comprising an elongated rod having a portion thereof hollow and forming a tube portion, a second rod in said tube portion having recess means at its outer end through which the needle can be passed, hooking means to which one end of the thread can be tied in juxtaposition with said elongated rod, groove means on said second rod at its outer end and in transverse relation to said recess means, means on said elongated rod for reciprocating said hooking means, and means on said hooking means for reciprocating said second rod in cooperation with said hooking means.

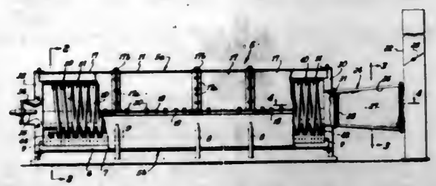
2,566,626
RONGEUR
Thomas O. Otto, Miami Beach, Fla.
Application August 22, 1949, Serial No. 111,665
6 Claims. (Cl. 128—312)



4. A rongeur for cutting osseous structures having a pair of opposed cutting members provided with toothed edges meeting in an occluding manner, the teeth of said edges being individually tapered to a point for piercing the osseous tissue.

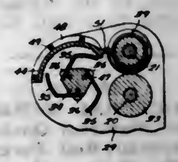
2,566,627
HEATER HAVING A HELICAL FLUID CONVEYING COIL
Henry M. Paulsen, Long Beach, Calif.
Application June 2, 1945, Serial No. 597,312
3 Claims. (Cl. 122—248)

2. In a fluid heater, the combination of a horizontally disposed cylindrical furnace having a refractory lining, spacer members carried by the bottom portion of the lining, said members being disposed longitudinally of the furnace and spaced apart circumferentially thereof, a cylindrical fluid-passing coil comprised of helically wound tubing, said coil being disposed axially in the furnace and having its inlet end at one end of the furnace and its discharge end at the other end of the furnace, said coil being supported by the



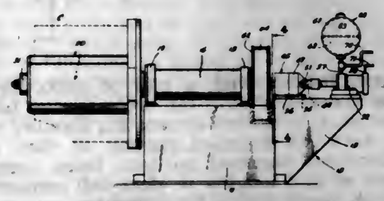
spacer members in position coaxial with the furnace, combustion means disposed to project products of combustion axially of the coil, and spacer strips loosely mounted on the coil to maintain its whorls in predetermined spaced relationship to each other.

2,566,628
DOUGH FORMING MACHINE
Sylvester Patt, Willoughby, Ohio
Application June 23, 1948, Serial No. 34,691
1 Claim. (Cl. 107—9)



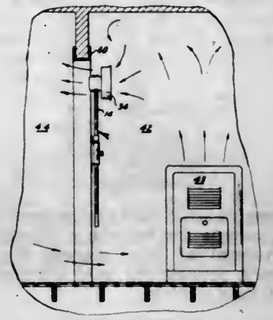
In a dough-forming machine, a casing, a casing part arranged adjacent to said casing and connected thereto, a body member rotatably supported by said casing and provided with a plurality of flat, longitudinally extending faces, a plurality of paddles each having a substantially L-shape provided with a portion arranged contiguous to each of said faces, there being a slot arranged in each of said paddles, a securing element extending through said slot and into said body member, and an arcuate cradle for coaction with said paddles connected to said casing part and provided with a plurality of serrations on its inner surface.

2,566,629
EXPANSIBLE MANDREL
Homer D. Paxson, Salem, Ohio
Application July 19, 1946, Serial No. 684,753
5 Claims. (Cl. 242—72)



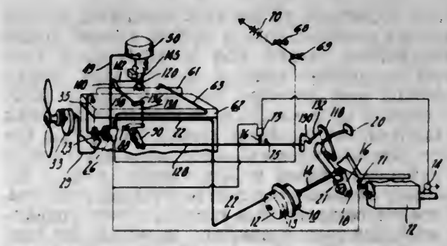
1. A reel construction, for flexible material, comprising: a plurality of generally radially movable jaws; fluid-pressure actuated means for moving said jaws radially outwardly, including pressure accumulator means for constantly exerting pressure to move said jaws radially outwardly.

2,566,630
HEAT MOVER
Milton A. Powers, Detroit, Mich.
Application July 30, 1946, Serial No. 687,172
7 Claims. (Cl. 98—39)



1. In a mounting device for an electric fan, an approximately semi-cylindrical yoke carrying three pins radially arranged and disposed approximately 90 degrees apart, a motor casing fitted within said yoke in spaced relationship thereto and connected to said pins, the ends of said yoke being sufficiently resilient to permit convenient insertion and removal of the motor casing.

2,566,631
CLUTCH CONTROL MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 13, 1947, Serial No. 773,837
5 Claims. (Cl. 192—.076)



1. Clutch control mechanism adapted to be included in the power plant of an automotive vehicle, said mechanism including a fluid pressure motor, valve means for controlling the operation of said motor including a pressure balanced valve member and means for actuating said member including force transmitting means adapted to be connected to the accelerator of the vehicle and further including a fluid pressure motor operable in accordance with the pressure fluid therein, together with another fluid pressure motor operable in accordance with the speed of the engine of the vehicle.

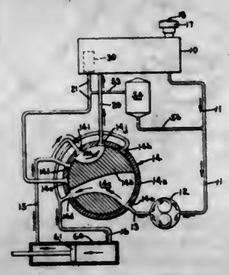
2,566,632
ARTIFICIAL INSEMINATION DEVICE
George J. Propp, Loveland, Colo.
Application August 15, 1949, Serial No. 110,251
7 Claims. (Cl. 128—234)

1. An artificial insemination device, comprising a length of glass tubing having a passageway extending longitudinally thereof, a syringe attached to one end of the tubing, the other end being blunt, said tubing having an enlarged portion adjacent the blunt end forming an unobstructed hollow semen receiving compartment in com-



munication with and disposed above the longitudinal passageway to provide a head for a predetermined quantity of semen.

2,566,633
FILTER SYSTEM
Robert L. Rathmann, Tranquillity, Calif.
Application June 21, 1948, Serial No. 34,292
3 Claims. (Cl. 60—52)

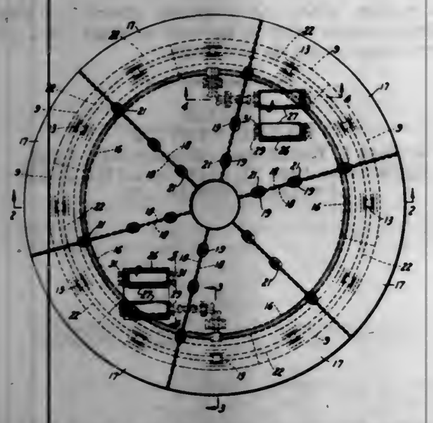


3. In a hydraulic control system including a double acting hydraulic control line, and a pump having an intake and a discharge; a control valve having an inlet connected to the discharge of the pump, a pair of alternately openable pressure outlets connected to opposite ends of the ram, a pair of alternately closeable bleeding openings connected to opposite ends of the ram and a discharge opening connected to the intake of the pump, said valve being operable selectively to direct hydraulic fluid under pressure from the pump to selected ends of the ram while bleeding the opposite end of the ram back through the valve discharge opening and into the intake on the pump; a filter connected between the discharge opening of the valve and the intake of the pump; and a by-pass conduit having a pressure release valve therein connected between the discharge opening of the valve and the intake of the pump in parallel relation to the filter.

2,566,634
GARAGE TURNTABLE
David E. Ready, Berkeley, Calif.
Application January 9, 1946, Serial No. 640,056
3 Claims. (Cl. 104—41)

1. In a vehicle turntable of the type wherein power to rotate the turntable is derived from transmission mechanism carried by the turntable and including drive rollers tractionally engageable and rotatable by the driving wheels of an automobile positioned on said turntable, a ground-engaging base, a plurality of arcuate segmental members arranged on said base to form an annular support including a ring gear, wheels journaled on and arranged in circumferentially spaced relation on said support, a platform superposed on and concentric with said base, said platform comprising a plurality of unit segments arranged in orbital sequence to form a circular unit, each of said segments having a downturned outer end portion arranged for cooperation with corresponding portions of the other segments to provide a continuous upwardly inclined periphery for the platform, means to secure the respective

segments together, means in the platform in juxtaposition with said securing means for permitting access to said securing means from the upper side of the platform, arcuate rail sections secured to each segment and axially abutting each other to provide a circular unit rail



engaged with said wheels to mount the platform on the support for rotation relative thereto, said rail being disposed below the inner terminus of said inclined portion, and a pinion journaled on said platform, meshing with said ring gear and operatively connected to be driven by said transmission mechanism.

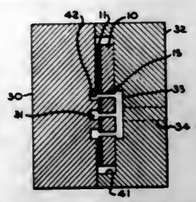
2,566,635
MILLINERY
Margaret M. Reddy, Chattanooga, Tenn.
Application May 2, 1949, Serial No. 90,883
17 Claims. (Cl. 66—171)



1. A framed knitted hat comprising a buckram frame having a crown and a brim, a knitted generally circular crown-top mounted on the top of said frame crown, a knitted generally annular brim cover mounted on said frame-brim and covering the top and bottom thereof, and a knitted sleeve-like crown-band embracing the sides of the frame-crown and in lapping relation to the outer edge of said crown-top and the inner upper edge of said brim cover.

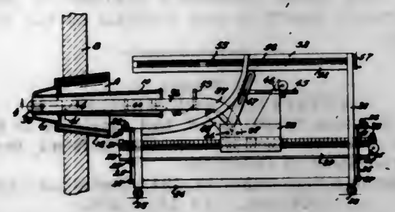
2,566,636
METHOD AND MOLD FOR FORMING PLASTIC INSIGNIA
Roy J. Reaholts, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application August 5, 1949, Serial No. 108,349
4 Claims. (Cl. 18—30)

3. A compound die for affixing an insignia of hardenable plastic material to a perforated article of stable material of substantially uniform thickness which comprises an outer die element adapted to contact the outer face of said article, said element having formed therein the separated characters of such insignia and having a narrow face thereon of a width of the order of about 1/64 to about 1/32 of an inch immediately adjacent said insignia, and an inner die element having a single channel in opposed relation to the characters of said face element, said channel being substan-



tially coextensive with said characters considered collectively, means for injecting plastic material into the channel of said second element and spacing means separating said elements by the thickness of said article.

2,566,637
TUYÈRE CHANGING MACHINE
Roy A. Roberts, Phalanx, Ohio
Application January 2, 1946, Serial No. 638,679
1 Claim. (Cl. 29—200)



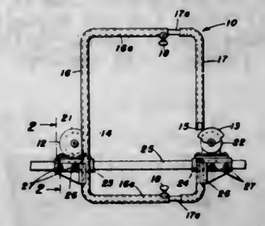
In an apparatus of the kind described, having a carriage provided with a bottom chassis frame having rollers, raising and lowering cross rails located at opposite ends of the carriage, means for raising and lowering the said rails, a platform carried by the rails, a runner movable back and forth on the platform, means for moving the runner, the improvement comprising a vertically swingable ram fitted to the runner, means for adjustably swinging the ram to working positions, said means comprising a rocking elbow engageable with the ram, a carriage to which the ram and rocking elbow is pivotally connected and operational means engaging said carriage and said rocking elbow whereby said ram is operated.

2,566,638
WEAR PAD
Clyde A. Shoults and George G. Walker, Fort Worth, Tex., assignors of one-third to Casper A. Brictson, Chicago, Ill.
Application May 25, 1948, Serial No. 29,105
6 Claims. (Cl. 74—563)



1. A wear pad for use in conjunction with a floor-supported foot pedal, said pad comprising in combination, a pedal-engaging portion, a depending member only on said pedal-engaging portion for removably securing said pad to said pedal, a substantially flat heel portion extending rearward from said pedal, and a substantially flat flexible connecting portion joining said heel portion to said pedal-engaging portion, said pedal-engaging portion, connecting portion, and heel portion being integral and formed of resilient material.

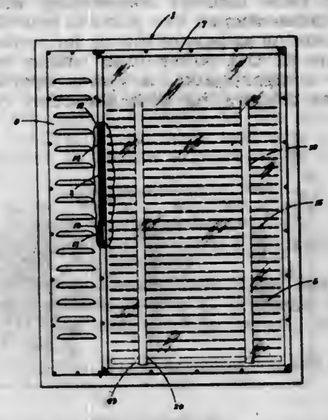
2,566,639
CUTTING MACHINE
James H. Shreve, Mayodan, N. C., assignor to Washington Mills Company, Winston-Salem, N. C., a corporation of North Carolina
Application June 5, 1946, Serial No. 674,601
7 Claims. (Cl. 164—61)



7. A machine adaptable for slitting cloth tubes of various sizes and the like into two strips of equal width comprising a stationary tube spreader frame constituted by a pair of parallel spaced elongated frame members adapted to enter and spread the section of the tube in contact therewith as said tube is pulled past said frame over and in contact with opposite outer sides of said frame members, said frame members being provided with a pair of elongated slots parallel with the frame and extending inwardly from said opposite outer sides thereof, a motorized knife individual to each of said frame members and adapted to work in the associated slot, a common support for each frame member and its associated knife, and means for adjusting the spacing between said supports to thereby effect a corresponding adjustment in the width of said frame.

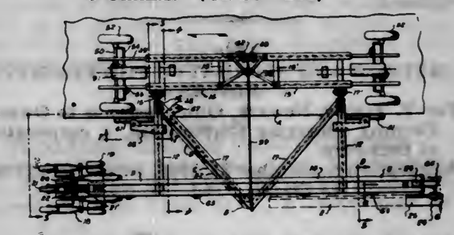
2,566,640
COMBINATION WINDOW AND VENETIAN BLIND
George R. Smith, Modesto, Calif.
Application June 28, 1947, Serial No. 757,802
7 Claims. (Cl. 160—107)

1. A combination window and Venetian blind, comprising a casing including an intermediate substantially solid partition dividing the casing into a window compartment and a separate compartment along one side thereof, spaced inner and outer panes on the casing enclosing the window compartment, a Venetian blind assembly suspended from the casing in the window compartment and wholly enclosed therein, and adjustment mechanism for the Venetian blind assembly wholly enclosed within the side compartment and being manually operable only from within said side compartment; said side compartment being closed on the inside by a door, and means extending through the partition and supported therein and connecting the blind assembly in



driven relation with the adjustment mechanism.

2,566,641
ROAD GRADING MACHINE
Edwin B. Snead, Austin, Tex.
Application July 19, 1945, Serial No. 605,859
9 Claims. (Cl. 37—108)

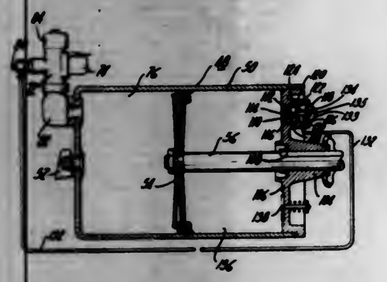


1. A road apparatus including, a grading frame, a portable carriage adjustably supporting one end of the frame, a dolly adjustably supporting the opposite end of the frame, alinement gages carried by the frame for engaging the edge of a pavement, a scraper blade suspended from the medial portion of the frame, a vehicle adapted to travel along a finished pavement and to which the frame is attached, and means for locking the wheels of the vehicle at an angle to its direction of travel to cause the alinement gages to maintain the frame in line.

2,566,642
VACUUM MOTOR FOR CLUTCHES
Thomas H. Thomas, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 16, 1944, Serial No. 558,841
1 Claim. (Cl. 121—38)

A pressure differential operated motor adapted for use in a mechanism for actuating the friction clutch of an automotive vehicle, said motor including a double ended casing, one of the ends of the casing being provided with a port, valve means associated with said port and operative to control the flow of power fluid to and from the motor, the other end of the casing being provided with two ports operative to control the egress of power fluid from the motor, a power element housed within said casing said element,

together with the casing, providing two power fluid receiving motor compartments, a spring loaded valve member cooperating with one of the aforementioned two ports to provide a check valve serving as part of means for controlling the pressure of the power fluid within one of the motor compartments, a power operated valve member cooperating with the other of the two



ports to provide valve means also serving as part of the means for controlling the pressure of the power fluid within the latter compartment, and power means for operating the latter valve including a pressure differential operated motor comprising a motor casing and a power element, and a spring member in contact with said power element.

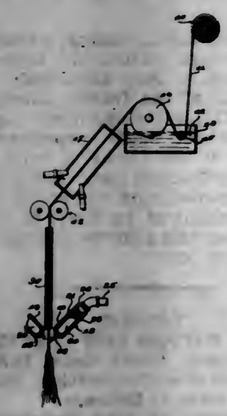
2,566,643

METHOD AND APPARATUS FOR FORMING FIBERS

Fay V. Tooley, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application September 21, 1945, Serial No. 617,862

13 Claims. (Cl. 18—2.5)



11. Apparatus for producing glass fibers comprising means for advancing a heat resisting linear member along a predetermined path of travel, means for initially coating the member with molten glass as it is advanced along said path, and a burner positioned adjacent the path of travel of the linear member having a chamber in which a combustible gaseous mixture is ignited and having a restricted discharge passage directed toward said member for discharging a blast against said member having a temperature sufficient to heat the glass on the member to attenuating temperature and having a velocity sufficient to blow the glass off the member in the form of fine fibers.

12. The process of making fibers which comprises continuously leading a linear carrier through a bath of potentially fiber producing material in a substantially fluid state to coat the carrier and form a composite body, consolidating the composite body by applying heat thereto, and attenuating fibers therefrom by advancing the composite body through a high velocity, high temperature gaseous blast of a combustion chamber burner.

2,566,644

METHOD FOR MANUFACTURE OF METAL BASKETS

Jan van der Togt, Zwijndrecht, Netherlands, assignor to Vennootschap onder de firma Tomado, Zwijndrecht, Netherlands, a partnership of the Netherlands

Application April 10, 1947, Serial No. 740,618

In the Netherlands October 24, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires October 24, 1962

2 Claims. (Cl. 140—71)



1. A method for manufacture of metal wire baskets having a two piece central bottom composed of an upper and lower part to which the ends of the radial pieces of wire forming the bottom wires and extending upwardly as wall wires are welded comprising supporting the wall wire portions in a gauge in an inverted position, placing the ends of the radial wire pieces on the upper portion of said bottom piece and arranging them in spaced radial grooves located therein, placing the lower portion of said bottom piece over the said ends and superimposed on the upper portion, temporarily securing the two portions of said bottom piece, and welding said ends to said portions by pressure welding in a single operation.

2,566,645

METHOD AND MEANS FOR MAKING SEAMLESS CAPSULES

Anton Philip Weber, Wageningen, and Frank Anton Weber, The Hague, Netherlands, by Albertus Koerts, administrator, The Hague, Netherlands, assignors to Van den Bergh's en Jurgens' Fabrieken N. V., Rotterdam, Netherlands, a corporation of the Netherlands

Application August 5, 1947, Serial No. 766,424

In the Netherlands December 12, 1941

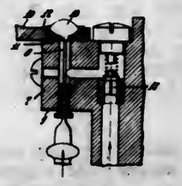
Section 1, Public Law 690, August 8, 1946

Patent expires December 12, 1961

6 Claims. (Cl. 18—5)

1. A machine for making seamless capsules comprising two concentric vertically disposed tubes for supplying capsule wall forming material and filling material, respectively, a horizontally disposed member supporting [a series

of bowl-like receptacles each having a bottom orifice], and means for moving at intervals said



member so as to successively position said receptacles vertically above the mouths of said tubes.

2,566,646

COMBINATION BATTERY TERMINAL AND CABLE AND METHOD OF PRODUCING THE SAME

Jack P. Whitaker, Kansas City, Mo., assignor to Whitaker Cable Corporation, North Kansas City, Mo., a corporation of Delaware

Application September 29, 1947, Serial No. 776,812

2 Claims. (Cl. 219—10)



1. The method of attaching a metallic cable to a metal fitting which comprises the steps of enclosing a part of the cable adjacent one end thereof in a metallic sleeve with a portion of said sleeve extending outwardly beyond said part of the cable; pressing said sleeve into tight frictional engagement with said part of the cable; holding said one end of the sleeve in abutting relationship with the fitting to form a pocket defined by the end of the cable, said fitting, and the metallic sleeve; and then melting the extending portion of the sleeve by flash welding to cause the material thereof to flow into said pocket and thereby fuse together the cable, said sleeve, and the fitting.

2,566,647

COMBINATION FISHING ROD AND CONTAINER

Nat Wissman, Dallas, Tex.

Application August 27, 1947, Serial No. 770,804

1 Claim. (Cl. 43—18)



A fishing rod assembly comprising a hollow short handle section having smooth bored outer ends and having plugs within the outer ends thereof, one of said plugs having a reduced extension extending axially of the section outside of one of the ends thereof, the other of said plugs being exteriorly threaded throughout its length, a portion of said threaded exterior having a press fit connection with the interior of the opposite end of the handle section, the remainder of the threaded plug being co-axial with and extending outwardly of said opposite end of the handle section, a nut having an annular recess having its inner cylindrical wall of greater diameter than the diameter of the handle section threaded on the outwardly extending threaded portion of the last named plug and adapted to be moved forward and away from said opposite end of the handle section, a collar having an annular recess fixedly secured around the handle section intermediate the ends thereof with the open end of the annular recess facing the open end of the annular recess of the nut, said recesses adapted to retain a reel seat on the handle section, said fully threaded plug having a central bore with different diameters at each end thereof adapted to receive rod sections of different diameters, and a long handle section received on the threaded portion of the first named plug, said long handle section adapted to receive a plurality of fishing rod sections.

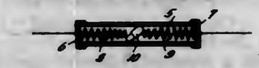
2,566,648

PROTECTING DEVICE FOR ELECTRIC CIRCUITS

Irvin L. Worsham, North Little Rock, Ark., assignor of one-third to Roy L. Cochran, North Little Rock, and one-third to Axro L. Barber, Little Rock, Ark.

Application June 20, 1949, Serial No. 100,186

1 Claim. (Cl. 200—113)



A cutout for luminous tube circuits comprising a glass tube, a metal terminal at each end of the tube, a pair of coil springs of conductive material extending lengthwise of the tube, one end of each of said springs contacting one of said terminals, and a gelatinous capsule extending lengthwise of the tube and disposed between the other ends of said springs, said capsule upon overvoltage on the tube being adapted to carbonize to form an electric conductor.
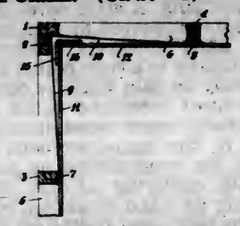
2,566,649

FLOATING CORNER CONSTRUCTION

George William Anderson, Port Washington, N. Y., assignor to United States Plywood Corporation, New York, N. Y., a corporation of New York

Application September 23, 1944, Serial No. 555,428

1 Claim. (Cl. 20—4)



In a housing construction, a wall panel, a second wall panel, cooperating catch means attached to each of said panels so that upon expansion and contraction of the panels, the edges of said panels will be able to move only as a unit, a frame comprising studs and sills supporting said panels, a portion of said sills, adjacent said panels, being scarfed from a corner of said frame for a short distance toward the adjacent corners whereby space will be provided between said sills and said panels for the edges of said panels to float.

2,566,650

BRUSH HOLDER

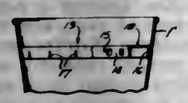
Earl E. Anderson, Milwaukee, Wis.

Application July 7, 1948, Serial No. 37,491

1 Claim. (Cl. 206—15.1)

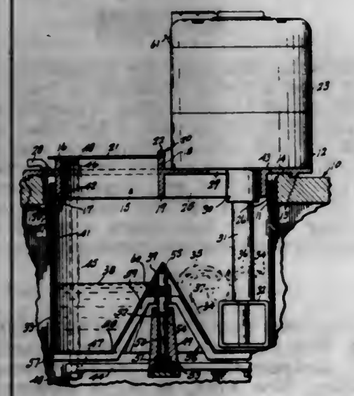
A paint brush holder comprising an annular supporting member having an inner wall pro-

vided with a plurality of apertures and having an outer wall arranged to wedge against the inner surface of a container and joined to said inner wall by means of a horizontal portion, and a plurality of resilient holding means arranged to



frictionally grip the handles of paint brushes and having projecting portions arranged to be freely insertable in and removable from the apertures in said inner wall and arranged to bear against the under side of said horizontal portion.

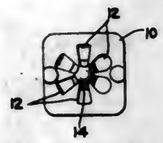
2,566,651
ICE-CREAM SOFTENING APPARATUS
Ken E. Bemis, Oakland, Calif.
Application January 24, 1950, Serial No. 140,220
3 Claims. (Cl. 259—85)



1. Ice cream softening apparatus for mounting in the access opening in the top of a refrigerating cabinet comprising: a main cover, a cradle rigidly suspendedly supported by said main cover and having an axial upwardly projecting rotatable shaft terminating in a cone point; a spider fixedly secured axially on said shaft; a container having an axial conical combined guard and deflector having a height equal substantially to one-half the height of the container with the inside of the apex of the cone resting on said cone point for accurate centering of the container, said spider having an axial upwardly projecting portion to fit in said axial combined guard and deflector for support of said container, a beater operating in the annular space between said combined guard and deflector and the wall of said container with the top of said beater in a plane coincident with the vertical center of said combined guard and deflector with said combined guard and deflector causing the ice cream to fold over the top of the beater, and means for driving said beater.

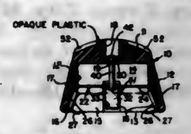
2,566,652
MANUFACTURE OF FALSE TEETH
Melvin Budish, Worcester, Mass.
Application December 17, 1949, Serial No. 133,528
2 Claims. (Cl. 18—55.1)

1. A method of making false teeth comprising molding teeth with ridges, the teeth being shorter than desired, in a pair of die parts, separating the die parts, applying enamel material to the short molded teeth, and then molding the enamel material on the teeth by means of a third die part



having longer incisal portions and thereby making the teeth longer, the enamel covering the ridges.

2,566,653
SEAL OPENER
Randall B. Callahan and Robert R. Gripp, Santa Monica, Calif.
Application August 29, 1949, Serial No. 113,010
4 Claims. (Cl. 30—2)



2. In a device of the class described: a body in the general shape of an inverted cup having bottom and side walls, said side wall having a plurality of annularly spaced grooves, the bottoms of said grooves being inclined inwardly toward the axis of said body and forming cam surfaces; a plurality of cutter members within said body, said cutter members having resilient parts extending diametrically of the interior of the body; outwardly extending arms adjacent the ends of said parts and slidably received in said grooves, said arms riding on said cam surfaces; inwardly extending cutter blades adjacent the free ends of said arms; and means for retaining the cutter members in said body.

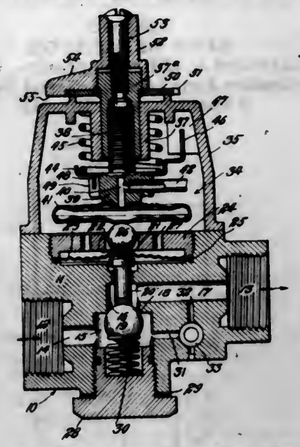
2,566,654
DOUBLE TAP T SOIL-PIPE FITTING
William J. Collison and Arlene B. Collison, Costa Mesa, Calif.
Application August 25, 1949, Serial No. 112,363
5 Claims. (Cl. 285—210)



1. As a new article of manufacture, a device of the class described, comprising a fitting provided with a body, said body provided with horizontal openings, and short horizontal baffles in said body at the openings only and extending partly over said horizontal openings leaving the bore of the fitting clear.

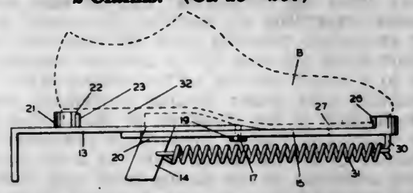
2,566,655
THERMOSTATIC CONTROL
Wallace W. Compton, Madisonville, Ky., and Philip A. Cooper, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application February 28, 1948, Serial No. 11,946
4 Claims. (Cl. 236—92)

1. A valve mechanism including in combination a body member provided with inlet and outlet passages, said passages being connected by a valve chamber provided with a valve seat, a ball valve member within said chamber adapted to engage said seat, means urging said ball valve member toward said seat, a valve plunger arranged concentric with said valve seat within said body member for moving said ball valve member away from said seat, a flexible diaphragm within said body member adapted to engage said valve plunger and to form a closure



for said body member, a casing removably mounted upon said body member, a thermostat for operating said valve plunger, said thermostat including an expansible-contractible bellows within said casing, and a second ball member freely mounted between said bellows and said diaphragm for transmitting motion between said bellows and said valve plunger.

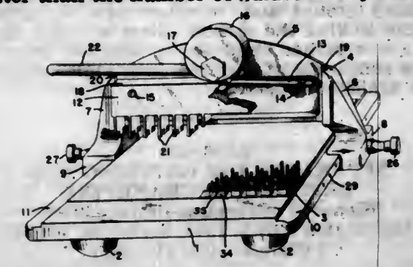
2,566,656
SHOE CLAMPING DEVICE
Roger Harry David, St. Paul, Minn.
Application April 17, 1946, Serial No. 662,885
2 Claims. (Cl. 15—267)



2. A shoe support comprising a pair of elongated clamping bars, means securing said bars in overlapping relation, a vertical support on one of said clamping bars, a brace connecting said vertical support to said one clamping bar at a point spaced from said vertical support, a slot in the other of said clamping bars embracing the end of said brace, means on said clamping bars engageable with the ends of a shoe, and spring means urging said last named means together.

2,566,657
HAND WEAVING DEVICE
Herman Epstein, Newark, N. J.
Application January 23, 1947, Serial No. 723,769
6 Claims. (Cl. 139—34)

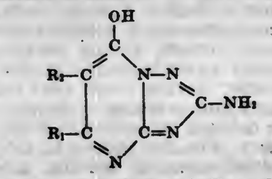
1. In a hand weaving device, a base, a plurality of evenly spaced guides arranged on the base in rows covering substantially the entire surface of the base for supporting lengths of yarn, the marginal guides of said plurality of guides adapted to have lengths of yarn fastened thereto, the number of guides in a marginal row being greater than the number of guides in any one in-



side row, and a lever operated tool having projections adapted to mesh with certain rows of guides.

2,566,658
SILVER HALIDE EMULSIONS CONTAINING ANTIFOGGING AGENTS
Douglas James Fry, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application November 17, 1949, Serial No. 128,025. In Great Britain November 23, 1948
3 Claims. (Cl. 95—7)

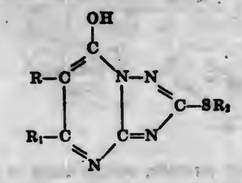
1. A photographic gelatino silver halide emulsion containing a small quantity of a compound of the general formula:



where R_1 is selected from the class consisting of alkyl, aryl, aralkyl, alicyclic, heterocyclic, amino, hydroxy and carbalkoxy groups, and R_2 is selected from the class consisting of the hydrogen atom and alkyl, aralkyl, aryl, alicyclic and heterocyclic groups and, together with R_1, a divalent group linking the carbon atoms to which R_1 and R_2 are attached.

2,566,659
SILVER HALIDE EMULSIONS CONTAINING ANTIFOGGING AGENTS
Douglas James Fry, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application November 17, 1949, Serial No. 128,026. In Great Britain November 23, 1948
3 Claims. (Cl. 95—7)

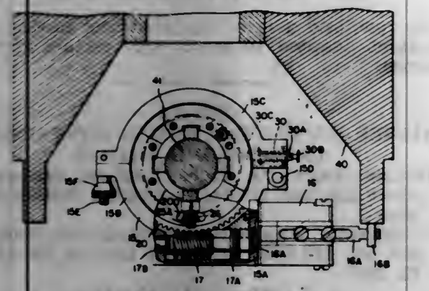
1. A photographic gelatino silver halide emulsion containing a small quantity of a compound of the general formula:



where R is selected from the class consisting of the hydrogen atom and alkyl, aralkyl, aryl, ali-

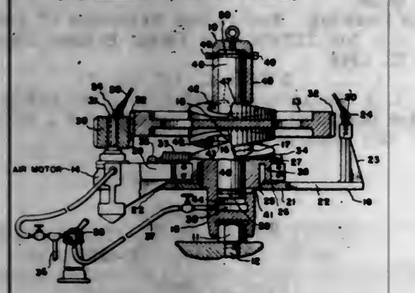
cyclic and heterocyclic groups, R_1 is selected from the class consisting of alkyl, aralkyl, aryl, alicyclic, heterocyclic, amino, hydroxy and carbalkoxy groups and, together with R, divalent groups linking the carbon atoms to which R and R_1 are attached, and R_2 is selected from the class consisting of the hydrogen atom and alkyl and aralkyl groups.

2,566,660
APPARATUS FOR GRINDING AND REFINISHING CRANKPINS
Michael T. Georgian, Detroit, Mich.
Application July 9, 1949, Serial No. 103,787
3 Claims. (Cl. 51—241)



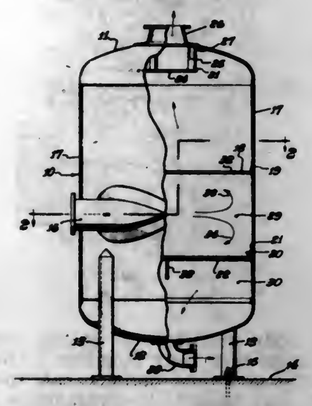
1. A device for grinding the crankpins of the crankshaft of an engine without removing said shaft from the engine, said device comprising a frame member including a semicircular bearing portion, a complementary semicircular bearing portion hinged thereto, a ring member also in two semicircular parts mounted in said bearing, said ring member having worm gear teeth on its outer periphery and carrying a plurality of equi-spaced stone holders extending radially from its inner periphery, abrasive stones in said holders, means for simultaneously moving said holders radially of the ring member, means carried by said frame for actuating said holder moving means, a housing forming part of said frame and open to said bearing, a worm in said housing adapted to mesh with said worm gear, a motor for driving said worm and means coacting with an engine part for absorbing reaction forces.

2,566,661
POWER-OPERATED IMPACT WRENCH
Frederic T. Hamlin, Stewartsville, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 9, 1948, Serial No. 53,620
5 Claims. (Cl. 81—52.3)



1. An impact wrench comprising, a torque producing member, means for rotating said member, means engaging the torque producing member for transmitting rotary movement therefrom to the member to be rotated, means for disengaging the first said member from the second said means, a support for the first said means slidably mounted on the second said means, and yieldable means for limiting relative movement between the support and the second said means.

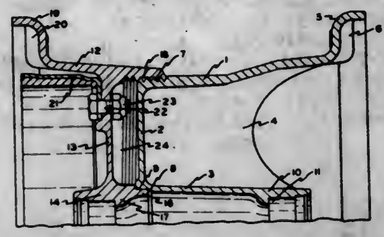
2,566,662
SAND SEPARATOR
Raymond A. Hill, San Marino, Calif.
Application June 14, 1948, Serial No. 32,877
9 Claims. (Cl. 210—43)



6. A separator of the character described, comprising a cylindrical casing, an inlet in the side wall of said casing for introducing a stream of sand-carrying water tangentially into said casing to impart swirling motion thereto, the interior of the casing being empty and unobstructed radially between said inlet and the axial center of the casing, an outlet offset axially of the casing from said inlet and to which the water passes at a relatively slow rate after spiralling inwardly away from the cylindrical wall of said casing, means presenting an annular transverse shoulder extending inwardly from an intermediate location along the case wall a distance corresponding to a minor portion of the casing radius and retaining said water against movement axially therebeyond in the direction of said outlet until the water has moved inwardly a predetermined distance from said casing wall, the water passing space inwardly of the casing from said shoulder being unobstructed to permit unrestricted passage of the water radially inwardly from the inlet to the inner edge of said shoulder and then axially toward said outlet, the sand carried into the casing by the water being separated therefrom by centrifugal force and gravity during the passage of the water through the separator, and an outlet for the sand.

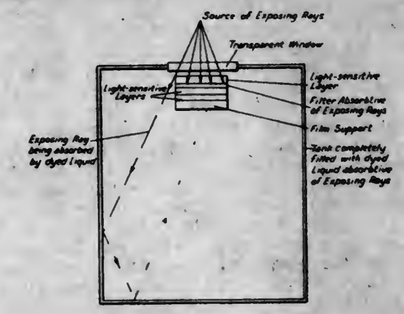
2,566,663
FORGED WHEEL
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application December 11, 1947, Serial No. 790,946
1 Claim. (Cl. 301—6)

A sectional wheel structure comprising a pair of complementary wheel sections each having an outer annular flange defining the rim and an inner annular flange defining the hub, one of said wheel sections being relatively short in axial direction as compared to the other wheel section, radial webs connecting said flanges of each section and disposed in relatively close proximity to one another and to one side of the center plane of the wheel by virtue of the unsymmetrical disposition thereof in the axial direction of the wheel, radial ribs extending between the inner and outer annular flanges of one of said



wheel sections, axially extending telescoping portions on said wheel sections for piloting one section on the other, said portions being disposed to the same side of said plane as said radial webs, means for holding said sections assembled, an annulus defined between the outer and inner flanges of said relatively short section and a brake drum attached to the radial web of said relatively short section and disposed in said annulus.

2,566,664
PROCESSING OF PHOTOGRAPHIC COLOR FILM
Reginald Geoffrey Horner, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
Application January 2, 1948, Serial No. 365
In Great Britain January 9, 1947
6 Claims. (Cl. 95—2)

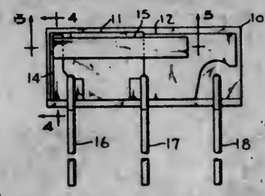


1. In the development to colour of reversal type multilayer colour film wherein it is required to re-expose an incident light-sensitive layer without affecting a second, more remote, layer that is also sensitive to the incident radiation, and which is separated from said first-mentioned layer by a filter layer that is highly absorptive of said incident radiation, the method of preventing re-exposure radiation that passes the edge of the film from fogging said second, more remote, layer by directing exposing radiation on said incident layer while the film is immersed in a coloured liquid containing a dye that is highly absorptive of the radiation employed, the film being positioned so that the depth of the coloured liquid between the source of radiation and the film is small compared with the depth of liquid in any direction behind the film.

2,566,665
ZIRCONIUM AND HAFNIUM SEPARATION PROCESS
Eugene H. Huffman, Berkeley, and Loren J. Beaufait, Jr., North Richmond, Calif., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application August 23, 1949, Serial No. 111,966
7 Claims. (Cl. 23—15)

1. In a method for separating zirconium and hafnium values from each other, the steps comprising contacting an acidulated aqueous phase containing zirconium and hafnium ions with a water-immiscible phase containing thenoyltrifluoroacetone, whereupon the zirconium is preferentially chelated and extracted into the water-immiscible phase and finally recovering the separated hafnium and zirconium values from said aqueous and water-immiscible phases respectively.

2,566,666
PRINTED ELECTRONIC CIRCUIT
Alfred S. Khouri and Robert L. Wolff, Milwaukee, Wis., assignors to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application February 13, 1948, Serial No. 8,054
2 Claims. (Cl. 323—74)

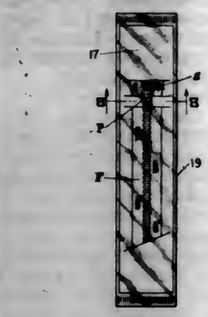


1. An electrical circuit unit for use in circuits for electric devices comprising a rigid body of ceramic material of relatively high dielectric constant suitable for the insulation of high frequency electric circuits and forming the primary structural support for the unit, plural impedance elements electrically connected in an electrical circuit bonded to said body and including a resistance element and a fixed capacitance, said capacitance having its plates as conductive coatings on and bonded to opposite surfaces of said body whereby the high dielectric constant of said body produces the maximum capacitance for said fixed capacitance, said resistance element being disposed on a surface of said body carrying one of the plates of said capacitance and being electrically connected to said one plate, and an isolating layer of relatively low dielectric constant material imposed between said resistance element and said body whereby the low dielectric constant of said layer offsets the high dielectric constant of said body to minimize the undesirable capacitative coupling between electrically conductive portions of said circuit.

2,566,667
MERCHANDISE PACKAGE
Julius O. Krihwan, Erie, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application February 27, 1948, Serial No. 11,371
3 Claims. (Cl. 206—78)

1. A merchandise package of the class described, comprising an elongated panel having an aperture therein elongated in a direction longitudinally thereof, said panel having another relatively small aperture arranged therein at a spaced distance above said elongated aperture

so as to provide a bridge portion therebetween, a slide fastener disposed on the inner side of said panel bridging both of said apertures and said bridge portion with the slider of said fas-

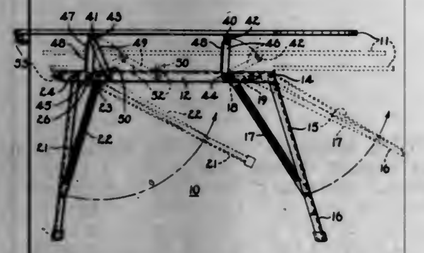


tener disposed in said second mentioned aperture and the pull member thereof lying upon the outer side of said panel and over said bridge portion of said panel.

2,566,668

ADJUSTABLE HEIGHT IRONING TABLE

Ernest A. Krueger, Milwaukee, Wis.
Application September 28, 1948, Serial No. 51,599
7 Claims. (Cl. 38—117)

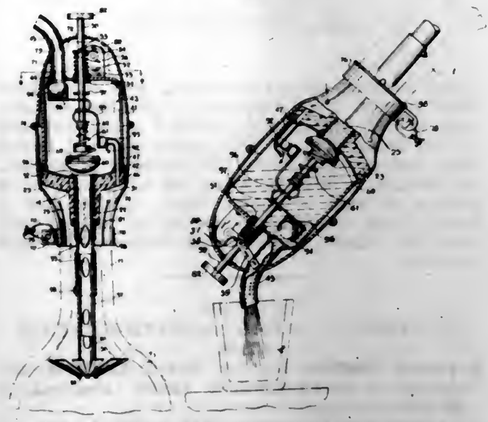


1. A foldable stand for supporting an ironing table or the like, comprising, two spaced and rigidly connected longitudinal frame members providing a frame, a bifurcated front leg pivotally connected to said frame near one end thereof, a brace for said front leg and having one of its ends pivoted to said front leg and its other end arranged for lengthwise sliding engagement with said frame members, a pair of transversely spaced rear legs for the other end of said frame, an over center toggle mechanism interposed between the upper ends of said rear legs and said frame, said toggle mechanism including a member on which the upper ends of said rear legs are pivoted and maintained in definite spaced relationship, a link having one end fixed to said member, a second link having one end pivoted to the free end of said first link and its other end pivoted to said frame member, a lever on said toggle member, and a spring element arranged for pressure contact with said lever to throw said toggle mechanism into locked position when said rear legs are in fully opened position, a brace for each of said rear legs, having one end pivotally connected to the corresponding leg and the other end to said frame, said toggle mechanism and said last named braces being arranged to jointly move the upper ends of said rear legs backward and lock them in their operative position, and said lever on said toggle mechanism being manually operable to unlock said toggle mechanism to permit folding of said rear legs and their braces in parallel to said frame, and a tension member interposed between said rear legs and said front brace, said tension member being operative to effect the simultaneous movement of both front and rear legs into and out of operative position.

2,566,669

DISPENSING NOZZLE WITH MEASURING CHAMBER AND COUNTER, MEANS FOR NONREMOVABLE ATTACHMENT TO A BOTTLE NECK, AND VALVED DISPENSING AND VENT OUTLETS FOR SAID CHAMBER

Max L. Lesnick, Cleveland, Ohio
Application April 17, 1946, Serial No. 662,740
3 Claims. (Cl. 222—153)



1. In a beverage dispensing apparatus adapted to be attached to a beverage container and dispense measured portions therefrom, a measuring chamber, means for mounting the measuring chamber on a container, said chamber having an inlet port adapted to communicate with the container, an outlet port for dispensing the beverage in the chamber, inlet and outlet imperforate valve means controlling the flow of beverage through the ports, and a valve operating member for operating said valve means, said inlet valve means being resiliently attached to and spaced beyond one end of the valve operating member whereby continued movement of the valve operating member is permitted after the inlet valve means are closed, and means on the operating member for engaging the outlet valve means after the inlet valve has closed to open the outlet valve means.

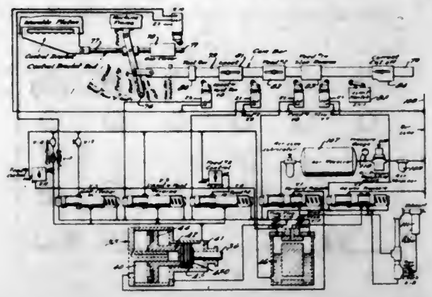
2,566,670

FLASH WELDER

Alfred H. Lewis, Huntington Woods, Mich., assignor to Swift Electric Welder Company, a corporation of Michigan
Application January 26, 1950, Serial No. 140,697
8 Claims. (Cl. 219—4)

4. In a flash welder, a base, a fixed platen and a movable platen on said base and hydraulic means including a plurality of cam operated hydraulic control means therefor for moving the said movable platen at various speeds forward toward and reversedly away from the said fixed platen, each platen including thereon an electrode and means for clamping work to be welded together to each electrode, means for applying welding current to each electrode, a manually

movable cam means for initiating one of the said cam operated control means whereby to move the movable platen toward the fixed platen, other cams movable wth the movable platen toward the fixed platen initiating other of the cam operated control means whereby to successively increase the speed thereof, a stop limiting the movement of the movable platen toward the fixed platen, means for cutting off the welding current prior

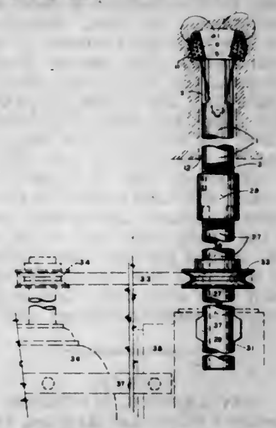


to the completion of the movement of the said movable platen toward the fixed platen, the said manually movable cam means initiating the forward movement of the said movable platen including therewith manually movable cam means initiating other of the cam operated control means whereby to reverse the movement of the said movable platen at any time during and after the completion of the forward movement of the said movable platen.

2,566,671

ROTARY DRILLED HOLE ENLARGER

James Livingstone, San Francisco, Calif., assignor to Pearl Edith Livingstone, San Francisco, Calif.
Application August 21, 1948, Serial No. 45,516
3 Claims. (Cl. 255—77)

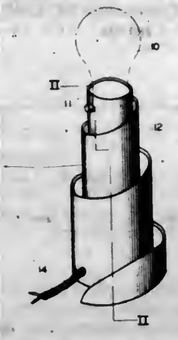


1. In a pocket forming device for the bottom of a drilled hole, a tubular element insertable in the drilled hole, one end of said tubular element having diametrically opposite axial slots at an end thereof, an anchor element in said tubular element adjacent said slots, a bow spring anchored on said anchor element and extended beyond the slotted ends of said tubular element and being expansible through said slots beyond the outer periphery of said tubular element, reaming jaws on the outer ends of said bow spring to be urged apart by said spring, a catch device to hold said spring and said jaws in contracted position said jaws being complemental substantially half cylindrical within the circumferential dimensions of said tubular element and of the hole in said contracted position, cutting teeth on the outer peripheries of said jaws, and a tripping member on said catch device abuttable against the bottom of the hole for releasing said catch device and allowing the expansion of said spring and said jaws against the sides of the hole at said bottom.

2,566,672

LAMP SUPPORT

Delbert P. Nave, Lancaster, and Murray B. Nave, Millersville, Pa.
Application December 3, 1946, Serial No. 713,794
3 Claims. (Cl. 248—127)



1. A support for an illuminating device, said support comprising bendable sheet material wrapped convolutely about an illuminating element, said convolutions being disposed in a vertical plane so that the bottom edge of all the convolutions lies in the same horizontal plane.

2,566,673

COMBINATION SCREW DRIVER AND WRENCH WITH SCREW HEAD AND NUT GRIPPING MEANS

Christ Nygaard, Zumbrota, Minn.
Application June 20, 1950, Serial No. 169,079
4 Claims. (Cl. 145—52)



1. A screw driver having a shank and a bit; a main sleeve slidable on said shank and spring urging means cooperative between said shank and said main sleeve for urging retraction of the shank in said main sleeve and including

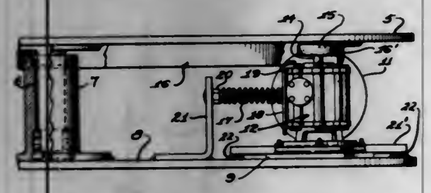
engaging means cooperative between the shank and the sleeve for limiting retraction; a second sleeve slidable on said main sleeve and having a slot formed from the upper end with a cam surface formed at the lower end of the slot, and engaging means cooperative with said cam surface for causing relative rotation of said sleeves when said second sleeve is retracted, and spring fingers formed at the other end of said second sleeve and being moved to a neutral position through said relative rotation.

2,566,674

TURNTABLE AS USED FOR DISPLAY PURPOSES AND FRICTION DRIVE MECHANISM THEREFOR

William Odenthal, Los Angeles, Calif.

Application December 24, 1948, Serial No. 67,222
2 Claims. (Cl. 74—206)



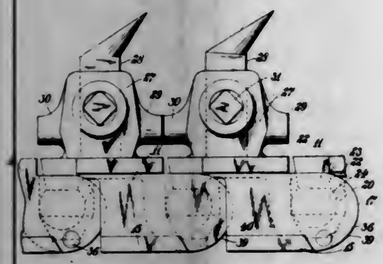
1. In a friction drive mechanism for turntables of the kind described having a base, a drive mechanism supporting member pivoted on said base for movement about a vertical axis, and a rigid restraining member overlying the drive mechanism supporting member and fixed at its ends to said base for preventing vertical and angular movement of said member out of a horizontal plane.

2,566,675

COAL CUTTER CHAIN

Sidney Ernest Proctor, Aylesbury, England, assignor to Austin Hoy & Company Limited, Aylesbury, England, a British company

Application October 13, 1947, Serial No. 779,587
In Great Britain October 14, 1946
5 Claims. (Cl. 262—33)



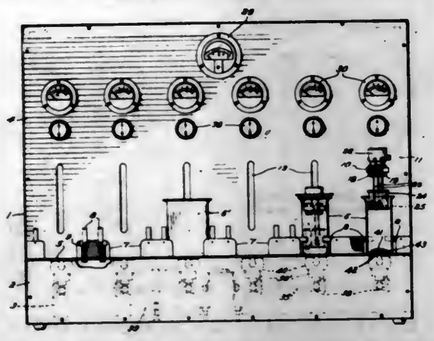
1. A coal cutter chain consisting of links wherein each link has a base portion adapted to run in a gib, a socket upstanding from the base portion at one end, a neck at the other end directed inwardly from a portion of the link and carrying a ball adapted to be received in the socket of the adjoining link of the chain, and a pick-box between the socket and the ball, each socket having a wall which extends between the ball member of the adjoining link and the body portion of the adjoining link.

2,566,676

ELECTRODEPOSITION APPARATUS

Alfred Thomas Rabbitts, Ottawa, Ontario, Canada, assignor to His Majesty the King in the right of Canada, as represented by the Minister of Mines and Resources

Application October 4, 1948, Serial No. 52,629
3 Claims. (Cl. 204—195)



1. An electrodeposition apparatus comprising a frame having a horizontally disposed upper wall, a cylindrical vessel closed at the bottom and open at the top supported on said wall, means mounted on the wall for holding the vessel in fixed position, a stirring member in the vessel, means below the wall and remote from the stirring member for magnetically rotating the latter, a vertically disposed frame member rearwardly of the wall and in fixed relation thereto, an electrode holder slidably mounted on said frame member in rearwardly opposite relation to the vessel, said holder being slidable in a vertical direction, resilient means releasably holding the electrode holder in selected fixed position on the frame member to permit vertical adjustment thereof, an arm carried by the holder, a pair of insulated jacks mounted on the arm, means electrically connecting the jacks to a source of electric current, a twin electric plug seated in said jacks, a pair of substantially rigid wires electrically connected to said plug and carried thereby, each said wire having a portion extending forwardly from said plug over the mouth of the vessel and a portion extending downwardly into the vessel, an electrode carried on the downwardly extending portion of each wire and located in the vessel, and an imperforate closure plate freely seated on the mouth of the vessel over said wires, said holder on removal of said closure plate being vertically slidable to withdraw the electrodes from the vessel, and said plug with said wires and electrodes being unitarily removable from said jacks and holder.

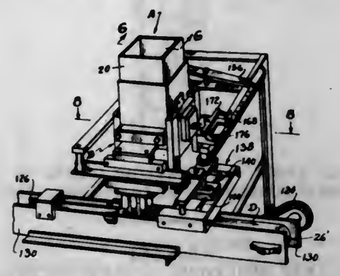
2,566,677

PACKAGING MACHINE

Theodore Rapp, Los Angeles, Calif.

Application May 10, 1948, Serial No. 26,071
9 Claims. (Cl. 226—95)

1. A packaging machine including: a stationary hopper having a bottom formed with a plurality of spaced openings; downwardly extending telescopic measuring and delivery tubes, each having one element secured in alignment with one of said openings; a vertically adjustable plate mounted below said hopper and supporting lower elements of said telescopic delivery tubes; means for adjusting the vertical position of said plate; a first plate valve mounted above the upper ends of said tubes and below the spaced openings in the bottom of the hopper and a second plate valve mounted below the lower ends of the measuring tube elements carried by said adjustable plate; a pair of parallel shafts rotated at the same speed; a first cam secured on one shaft and arranged in the same plane as a second cam secured on the other shaft; a third cam mounted on the same shaft as the first cam but spaced therefrom; a fourth cam mounted on the same shaft as the second cam and in the same plane as the third cam; a rigid member moved back and forth by said first and second cams and connected to the first plate valve, and a rigid member moved back and forth by said third and



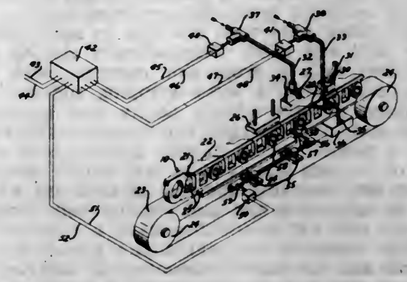
fourth cams and connected to the second plate valve, said cam means being arranged so that the upper valve is moved to open and then to shut position before the lower valve is opened and does not again operate the upper plate valve until the lower plate valve has been closed; a conveyor belt effective to carry empty cans into position to be filled; can stop means effective to hold said cans stationary at filling position during the can filling operation and to release them to be transported out of said position when filled; a can stop and release cam secured on one of said parallel shafts; and means actuated by said latter cam to operate said can stop and release means.

2,566,678

HEAT-TREATING APPARATUS

Glen C. Riegel and Dale J. Wright, Peoria, Ill., assignors to Caterpillar Tractor Co., Peoria, Ill., a corporation of California

Application September 26, 1949, Serial No. 117,869
2 Claims. (Cl. 266—4)



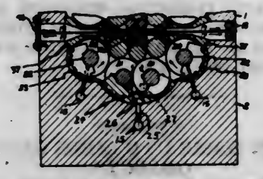
1. In an apparatus for controlling the hardness pattern in an irregularly shaped article during the heat treatment thereof with localized heating and quenching means, means to advance a plurality of articles one at a time past the heating and quenching means, a plurality of fog nozzles intermediate the heating and quenching means, automatic timed control means actuated by contact of an advancing article for directing a fog-like spray through said nozzles on selected parts intermediate the leading and trailing end of the article in timed relation to its advancement, and means to discontinue said fog-like spray after treatment of said selected parts.

2,566,679

ROLLING MILL AND LUBRICATION METHOD AND MEANS THEREFOR

Tadeusz Sendzimir and John E. Eckert, Middletown, Ohio, assignors to Armzen Company, Middletown, Ohio, a corporation of Delaware

Application February 25, 1943, Serial No. 477,087
27 Claims. (Cl. 80—38)



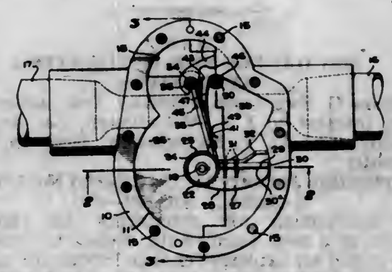
1. In a rolling mill characterized by work rolls, beams for bearing the ultimate roll separating force and extending axially of the work rolls, passageways between the beams at each side of the mill forming throats through which the work piece enters and leaves the mill, and means for transmitting the roll separating force from the work rolls to the beams, said means including bearings for force transmitting members supported by said beams, and means in connection with said beams for enclosing a space within said mill and between said beams, which space contains said working rolls and other operating members and is substantially closed except for said throats, a lubricating system including means for delivering lubricant separately and simultaneously to said bearings, means for delivering said lubricant from said bearings to the space between said beams to form a bath of lubricant therein in which lubricant travels toward the work piece from both sides thereof, means for maintaining said bath of lubricant by restricting the egress of lubricant from said space and means for withdrawing lubricant from said mill substantially at the level of the work piece therein.

2,566,680

FLOW INDICATOR

Elmer D. Smyser, Torrance, Calif.

Application May 17, 1947, Serial No. 748,749
5 Claims. (Cl. 121—78)



1. A flow indicator comprising a body having a first and second chamber in side-by-side rela-

tionship, an inlet leading to the forward side of the first chamber, an outlet leading from the rear side of the second chamber, a shaft extending through both chambers, impellers mounted upon said shaft and disposed in said chambers respectively, said impellers being angularly disposed with relation to each other on the shaft, a gate in each chamber, the gate in the first chamber being engageable by its impeller and swingable toward the inlet, the gate in the second chamber being engageable by its impeller and swingable in the same direction, a duct connecting the chambers from behind the gate in the first chamber to forwardly of the gate in the second chamber, there being by-pass cavities formed in the side walls of the chambers arranged to be traversed by the edges of the gates as the gates are swung by their respective impellers toward the inlet, the rear walls of the cavities providing seats for the sides of the gates when the gates are in their rearmost positions.

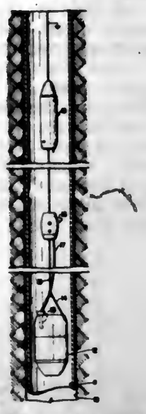
2,566,681
BED FOR GAME UTILIZING GLIDABLE OBJECTS
Robert G. Stewart, Los Angeles, Calif., assignor to Curlette, Inc., Los Angeles, Calif., a corporation of California
Application June 17, 1946, Serial No. 677,342
6 Claims. (Cl. 273—126)



1. In a bed for a game apparatus on which movable objects are adapted to be guided: means providing an elongate horizontal playing surface; a pair of elongated members each having a horizontal base portion as well as a pair of oppositely directed flanges at each side of said base, one of said flanges extending upwardly of said base; means mounting each of said members adjacent each edge of said surface, said upwardly extending flange of each member being spaced laterally from said surface, said mounting means including a spacing member, said base portion partly underlying said surface and spaced therefrom by said spacing means; said upwardly extending flange limiting the lateral movement of said glided objects; a foundation for supporting said playing surface means; and sound deadening material between said foundation and playing surface means.

2,566,682
MECHANISM FOR DETONATING EXPLOSIVES
William G. Sweetman, Houston, Tex., assignor of an interest to I. J. McCullough, Los Angeles, Calif., and O. J. McCullough, Houston, Tex., jointly
Application January 10, 1947, Serial No. 721,433
3 Claims. (Cl. 102—20)

2. Mechanism for detonating an explosive charge in a well, comprising, means for lowering into a well an explosive charge having an electrically fired detonator, a contact for said detonator mounted on said lowering means, a body provided with a source of electric current and having a contact adapted to engage said first contact, and means for separately and subsequently attaching said body to said lowering means for guidance of



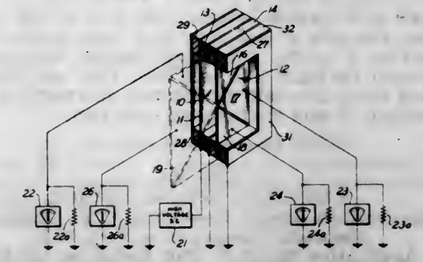
said body along said lowering means in order to engage said contacts so as to detonate the charge.

2,566,683
SCREW-HOLDING SCREW DRIVER
William F. Thompson, Salina, Kans.
Application December 13, 1946, Serial No. 715,970
1 Claim. (Cl. 145—50)



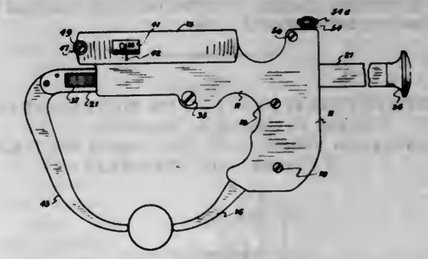
In a screw driver, a handle having a central shank-receiving bore and a counter-bore, a tubular shank held with one end in said central bore said end being longitudinally slotted and provided with a cross slot merging with the longitudinal slot, a screw-gripping rod swivelly mounted in said tubular shank and having a right-angularly extended end located in said cross slot, a torsion spring in said counter-bore with one of its ends anchored to said handle and the other end engaging the end of said rod which lies in said cross slot and continuously tending to turn said rod in one directtion, a member rotatably mounted on said shank adjacent said handle and operatively connected to said rod for turning the rod against spring tension, and a latch device mounted on the handle and operatively engaging said rotatable member to hold it against turning under the spring action, the free end of said tubular shank and that of said rod being tapered to enter the kerf of a screw when said tapered portions of shank and rod are in alignment, said tapered end of the rod having means to grip the screw in its kerf when said rod is turned to disalign said tapered ends of the shank and rod, and means to hold said shank from turning in said handle.

2,566,684
SEGMENTED IONIZATION CHAMBER
Cornelius A. Tobias, Walnut Creek, Calif., assignor to United States of America as represented by the United States Atomic Energy Commission
Application November 2, 1950, Serial No. 193,614
6 Claims. (Cl. 250—83.6)



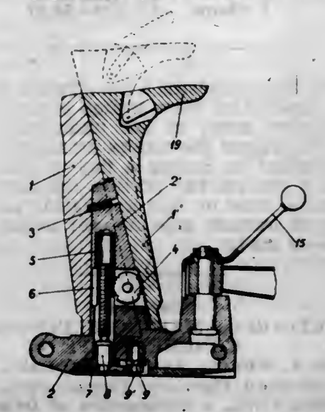
1. Apparatus for ascertaining the center of a collimated beam of ionized particles comprising a high potential plane surface, a surface constituted of a plurality of mutually insulated, coplanar segments of material pervious to said beam disposed symmetrically about an axis normal thereto and in spaced parallelism with said first surface, a peripheral, insulating wall uniting said first surface to said segments to form an ionization chamber, a protective rear wall disposed in spaced and insulated relation to said surface and a peripheral, grounded surface disposed forwardly of said segments, and electrometer means connected between each of said segments and said first surface for indicating the ionization in the segment-defined areas of said chamber.

2,566,685
MICROMETER CALIPER
Francis Tvrzicky, Chicago, Ill.
Application January 20, 1945, Serial No. 573,729
3 Claims. (Cl. 33—147)



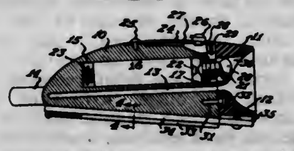
1. In combination with an indicator mechanism having a pair of rotatable drums and having an indicia bearing tape connected thereto, means for adjusting the zeroizing of said indicia bearing tape comprising a shaft extending into one of said drums; an adjustable locking mechanism for releasably securing said last mentioned drum to said shaft; a second shaft journalled in the second of said drums; a spring connecting said second shaft and said second drum; a gear wheel secured on an end of said second shaft; a pinion in mesh with said gear wheel, and a third shaft rigidly connected to said pinion, the adjustment of said third shaft being adapted to change the tension on said spring, the release of said adjustable locking mechanism being adapted to permit adjustment of said tape with respect to said first shaft.

2,566,686
LAST FOR RUBBER FOOTWEAR
Alois Vlček, Frystak, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application April 28, 1947, Serial No. 744,358
In Germany February 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 3, 1964
6 Claims. (Cl. 18—46)



1. In a last for a vulcanizing mold press for use in the manufacture of rubber-like footwear, a last divided into separate relatively shiftable portions in a plane extending obliquely from the heel forward towards the shin portion and coupling means extending within and between said portions whereby said portions are adjustable for the purpose of enabling the foot of the last to be shortened and the periphery of the calf of the last to be reduced when lasting off a workpiece, said coupling means including an intermeshed rack and pinion wholly enclosed by said shiftable portions and by which said shiftable portions may be adjusted in relative position.

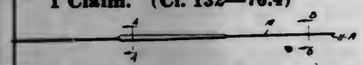
2,566,687
STETHOSCOPE HEAD WITH TONGUE DEPRESSOR
Charles T. Wehby, Cincinnati, Ohio
Application September 21, 1949, Serial No. 116,923
2 Claims. (Cl. 128—15)



1. A tongue blade comprising a flat portion having a raised ridge along two sides and an end thereof, a groove located in said flat portion and adapted to receive a thermometer stem, a thermometer having its bulb end positioned within a member adapted to serve as an extension of said blade, means for securing said member to said flat portion, said thermometer stem being in said groove, said blade being provided with a resilient member fixed at one end on its upper surface, the free end of said resilient member

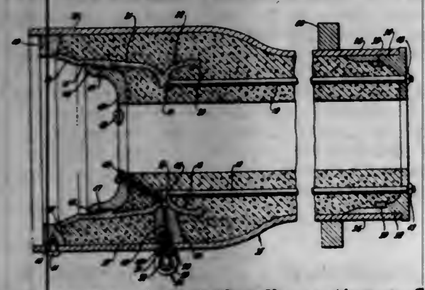
normally being below the height of said ridges, and an actuating member pivoted to said blade beneath its lower surface, said actuating member having a portion extending through an opening provided in said blade and contacting the free end of said resilient member, movement of said actuating member resulting in the free end of said resilient member being forced towards a position above the height of said ridges.

2,566,688
MULTIPLE GROOVED NAIL FILE
Maxwell A. West, Portland, Oreg.
Application June 11, 1949, Serial No. 98,517
1 Claim. (Cl. 132—76.4)



A nail file comprising a flat straight blade having an undulating cross section between its ends, the concave areas of the undulating portions being file cut and the convex areas being smooth, characterized by having a flat tip end, said tip having a central file portion cut finer than is the central flute of said undulating portion and having its reverse side file cut across the entire side of the tip.

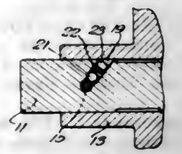
2,566,689
METHOD OF MAKING REINFORCED CONCRETE PIPE
William A. Whiting, Long Beach, Calif., assignor to American Pipe and Construction Co., Los Angeles, Calif., a corporation of Delaware
Original application November 4, 1946, Serial No. 707,868. Divided and this application June 26, 1948, Serial No. 35,408
6 Claims. (Cl. 25—154)



1. A process of centrifugally casting a fluid plastic material which comprises providing a tubular form, supporting an annular reinforcement member within the form and spaced from the interior surface of the form, supplying fluid plastic material to the interior of the form, rotating the form to centrifugally cast the plastic material against the form and in the space between the form and the reinforcement member, and subjecting the outer surface of the reinforcement member to a partial vacuum to positively withdraw fluid medium therefrom.

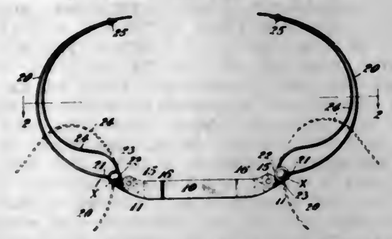
2,566,690
SHEAR PIN
Richard C. Wright, Bay Village, Ohio, assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application November 26, 1946, Serial No. 712,394
1 Claim. (Cl. 64—28)

In a mechanism of the class described, the combination of a driving hub, a driven shaft extending through said hub, said hub and said shaft having diametral aligned holes formed therethrough, a shear pin in said holes of greater length than the diameter of said shaft, a second hole in said shaft communicating with said first



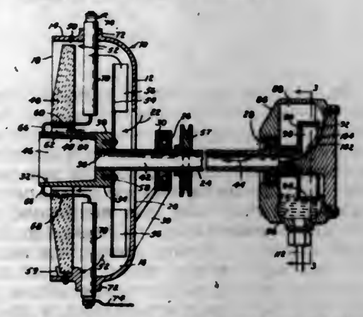
hole at an angle between the axis of the shaft and the axis of said first hole, said second hole having a spring urged ball therein adapted to extend partially into said first hole and engage said shear pin, said second hole intercepting the surface of said shaft inside said hub.

2,566,691
RESILIENT SPRING DEVICE
Raymond M. Bristol, New York, N. Y., assignor to Alexander Shemet, New York, N. Y.
Application March 9, 1946, Serial No. 653,331
6 Claims. (Cl. 267—1)



1. A resiliently movable device comprising two hingedly attached members at least one of which is concave-faced with respect to the other said member, a hinge interconnecting said two members, a resilient member one end portion of which is substantially concentric with and immovably carried by the unconnected portion of said concave-faced member and the other end portion of said resilient member being connected to and maintained from revolution relative to the other said member during the revolution of the said two members around said hinge.

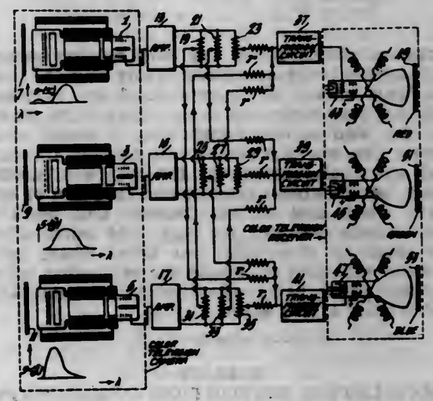
2,566,692
OIL FEEDING DEVICE FOR OIL BURNERS
Edward F. Chandler, Brooklyn, N. Y.
Application February 27, 1947, Serial No. 731,220
3 Claims. (Cl. 158—36.3)



1. An oil pump comprising a housing having a sump chamber formed therein for the reception

of oil to a first level incompletely filling the same, an oil duct having one end in communication with the said chamber above the said first oil level, said oil duct being adapted for conducting oil from said housing, a cup mounted in said chamber for rotation about a horizontal axis and having its side wall dipping into said oil in the sump, whereby upon rotation of the cup and under the influence of centrifugal force, oil entering the cup is whirled with the said cup wall about a horizontal axis, at least a portion of the circular path of said whirled oil lying above the mouth of said oil duct, baffle means extending into the path of said whirling oil for scooping oil from its path and for conducting it into the mouth of said oil duct, whereby it is free to be conducted therethrough.

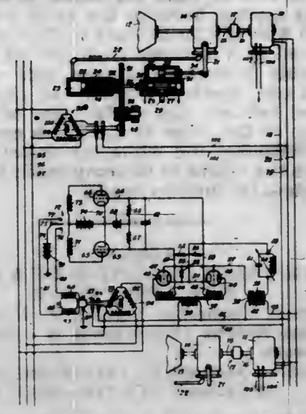
2,566,693
COLOR TELEVISION SYSTEM
William H. Cherry, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 13, 1947, Serial No. 773,874
5 Claims. (Cl. 178—5.2)



1. A color television system comprising in combination a television image pickup device to convert substantially instantaneously a color image into a plurality of electrical signals, including a selected group of spectral representations, means for simultaneously deriving from each of said signals auxiliary electrical signals indicative of the negative relative luminosity components of the spectral mixture curves for the equal-energy spectrum in terms of radiations of selected component colors as matching stimuli, and means for electrically combining algebraically said electrical signals and said auxiliary electrical signals to simultaneously form an individual component color signal train for each of said selected component colors.

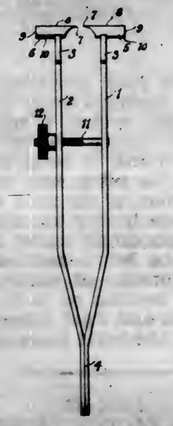
2,566,694
ALTERNATOR CONTROL
Charles W. Chillson, Upper Montclair, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 26, 1945, Serial No. 595,906
9 Claims. (Cl. 171—119)

1. A power generating system including a plurality of alternating current generators connected in parallel to a common load line, a source of power for each generator, a variable-speed transmission connecting each generator to its source of power for delivering predetermined torque to said generator, means for individually controlling said transmissions so that despite variations in the rate of operation of said power sources each of said generators will be caused to carry a predetermined share of the load on said



line, and means responsive to the line frequency for simultaneously further controlling all of said transmissions with respect to a fixed frequency, whereby to maintain said generators at a predetermined synchronous speed despite variations in said load.

2,566,695
TOOL FOR CONTRACTING HOLLOW WATCH PARTS
Louis A. Cormier and Joseph A. Cormier, Southbridge, Mass., assignors to Hammel, Rigiander & Co. Inc., New York, N. Y., a corporation of New York
Application May 9, 1947, Serial No. 747,028
1 Claim. (Cl. 81—8)



A tool of the character described comprising, a pair of spring legs attached together at one end and separated at the opposite end, each leg having a free end, each of the free ends being provided with a hammer-like head substantially semi-cylindrical in cross-sectional shape thereby providing a flat upper surface on each head against which a watch part may rest while a collet thereon is gripped between the heads, one end of each head being tapered to form a knife edge, the knife edges on the head being in opposed relationship, the opposite end of each head being flat to form a striking surface, the com-

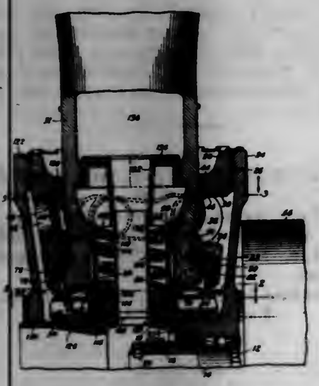
bined lengths of the heads being greater than the diameter of the article being held so that one or the other of the flattened ends of the heads can be struck without damage to the gripped article, the free end of each leg being attached to its head at a point between the knife edge and the flat end whereby the striking surface on each head is located at a distance from the leg, means for adjustably bringing the free ends of the legs toward one another whereby an object can be clamped between the knife edges of the heads, and one or the other of the heads can be struck on its flattened end while the object is so held, to cause the object to be compressed between the knife edges on the two heads.

2,566,696

ROLLER TRACK MOUNTING OF A VARIABLE PITCH PROPELLER

Maurice E. Cushman, Verona, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

Application January 15, 1947, Serial No. 722,253
14 Claims. (Cl. 170—160.11)



1. In a variable pitch propeller, a hub having a blade retention socket, a blade having its shank extending into said socket, a substantially annular roller race having a waved outer surface secured to said shank, a bevel gear rigid with the race having its pitch line waved similarly to the waved surface of the race, a substantially annular roller race having an inner waved surface and a correspondingly waved bevel gear, said second roller race being secured to said hub socket, and a plurality of rollers between said roller races and bearing on both, having bevel pinions concentric and rigid therewith, the bevel pinions engaging the bevel gears associated with said races.

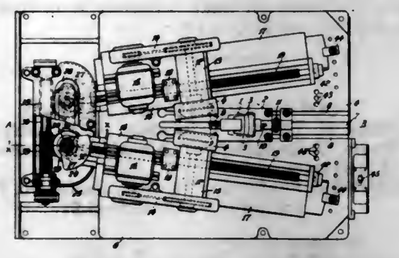
2,566,697

MACHINE FOR FACING TAPERED WORKSHOP ELEMENTS OF VARYING TAPERS AND WIDTHS

Thomas Ellis Davies, Birmingham, England, assignor to Dunlop Rubber Company Limited, London, England, a British company

Application February 12, 1948, Serial No. 7,836
In Great Britain January 21, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires January 21, 1967
5 Claims. (Cl. 90—17)

1. A machine for simultaneously facing the diverging sides of tapered workshop elements of varying tapers and varying widths comprising a frame, a support for said elements attached to said frame with its axis coinciding with the main axis of the frame, a member on each side of said main axis, each said member being angularly adjustable and laterally displaceable relative to said axis, a slide mounted on each of said members, a screw means associated with each slide, a lead screw carried on each member and engaging with its respective screw means whereby on relative rotation of said screw and screw means each said slide is traversed along said screw, rotatable cutter means mounted on each of said slides, driving means for each of said cutter means and driving means for said lead screws, a



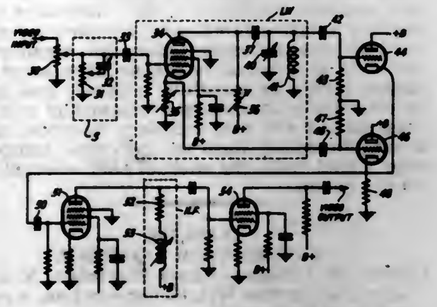
common motive power for said driving means, such means being operative in any angular position and lateral displacement of the members within a predetermined range, the driving means for the lead screws comprising a worm shaft having two worm portions, one portion for each lead screw, and driven by the source of motive power, worm wheels one for each portion of said worm shaft and driven thereby and pairs of bevel wheels one pair for each said worm wheel and meshing therewith, one bevel wheel being co-axial with and driven by the said worm wheel and the other bevel wheel being co-axial with and driving a lead screw.

2,566,698

MODULATION DISTORTION CORRECTION

Gordon L. Fredendall, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application August 28, 1947, Serial No. 770,975
2 Claims. (Cl. 178—7.1)



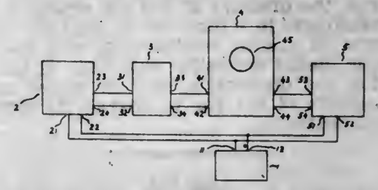
1. In a radio frequency television transmission and reception system utilizing a radio frequency carrier amplitude modulated by a video signal, said video signal comprising a low frequency component, a medium frequency component, and a high frequency component, said system further employing a vestigial side band filter for suppression of at least a portion of one modulation side band and wherein said vestigial filter inherently introduces frequency selective phase and amplitude distortion in the modulated carrier, thereby tending to produce in the video signal demodulated from the carrier leading white phase distortion of medium frequency video signal components, smear amplitude distortion of both medium and high frequency components of video signal said smear distortion representing equal attenuation of both medium and high frequency video signal components, and high frequency distortion resulting from additional attenuation of high frequency components, a distortion compensatory system comprising, a single signal corrective device having input terminals and output terminals, said corrective device comprising in combination, a leading white correction section comprising a frequency selective phase shifting apparatus for communicating medium frequency video signal components and having phase shifting characteristics opposed to the leading white phase distortion produced by said vestigial filter, a smear correcting section comprising a filter means for effecting substantially equal accentuation of video signal medium and high frequency components, and a high frequency correcting section comprising filter means for providing additional accentuation of only high frequency video signal components, said leading white correcting section, said smear correcting section and said high frequency correcting section being connected in cascade between said input and said output terminals and connection placing said correcting device in cascade with those sections of said television system handling video signal whereby the video signal extracted from the carrier modulation envelope is substantially freed from evidence of vestigial filter distortion.

2,566,699

CATHODE-RAY TUBE BRIDGE UNBALANCE DETECTOR

Joseph C. Frommer, Cincinnati, Ohio

Application April 30, 1948, Serial No. 24,185
3 Claims. (Cl. 171—95)



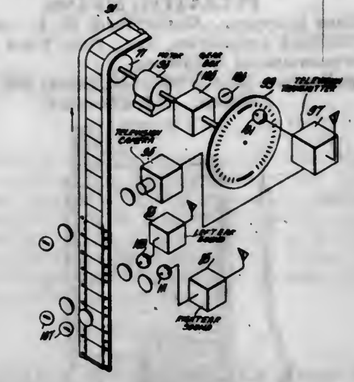
1. A circuit comprising an A. C. bridge having a pair of input terminals and a pair of output terminals, a cathode ray tube unit having a pair of signal input terminals and a pair of deflection terminals, a first source of alternating voltage, a second source of alternating voltage which supplies an alternating voltage the waveshape of which has two upper extreme values and two lower extreme values during each cycle of the alternating voltage supplied by said first source of alternating voltage two extreme values in at least one direction being different from each other, the input terminals of said A. C. bridge being connected to said first source of alternating voltage, the output terminals of said A. C. bridge being connected to said signal input terminals of said cathode ray tube unit, and said second source of alternating voltage being connected to said deflection terminals of said cathode ray tube unit.

2,566,700

STEREOSCOPIC AND STEREOSONIC TELEVISION SYSTEM

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 30, 1946, Serial No. 706,673
5 Claims. (Cl. 178—6.5)



1. A stereoscopic motion picture television system employing a film television camera of the interlaced scanning type and including a film strip having right eye and left eye images positioned alternately along said strip and each of said images representative of a series of cyclically repeated exposures, a series of holes positioned along said strip for engagement by a film strip drive sprocket, said holes being only partially regularly spaced along said strip to provide identification for said right eye and left eye images, said film strip drive sprocket having teeth being only partially regularly spaced around said sprocket to correspond to said holes positioned along said strip, a film gate associated with said camera, said sprocket positioned a predetermined distance from said gate to preserve the "eye-ness" of said images, a synchronizing signal generator, means for driving said sprocket and said generator in synchronism and means for transmitting the signal from said camera and a characteristic signal to insure proper phasing of odd line and even line scanning.

2,566,701

REINFORCEMENT FOR FILLED HOLLOW STEEL BLADES

Elmer G. Griese, Caldwell, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware

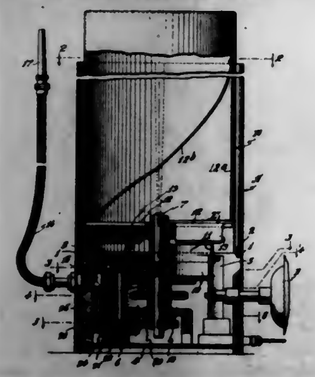
Application October 23, 1946, Serial No. 705,154
4 Claims. (Cl. 170—159)



2. A propeller blade comprising a hollow metallic shell forming the predominant structural element of the blade, having airfoil profile and blade planform and including an integral end shank for securement in a propeller hub, said shank providing the sole support for the blade shell, a metallic spine member extending into the hollow of said shell and free of mutually supporting engagement therewith, a cellular material, low in density compared to the density of the shell and spine material, at least partially

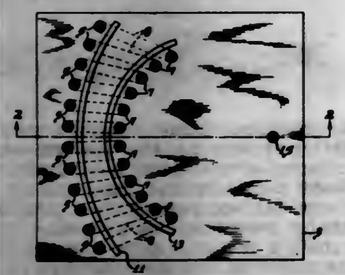
filling said shell and bonded to said spine for support thereby, and an adjustable coupling between said spine member and said shank including means to pretension said spine member relative to said shell.

2,566,702
GREASE PUMP WITH HIGH-PRESSURE PULSATING MEANS
William Harrigan, Rutherford, N. J., assignor to Chieftain Industries, Inc., New York, N. Y., a corporation of Delaware
Application March 26, 1949, Serial No. 83,648
1 Claim. (Cl. 222—254)



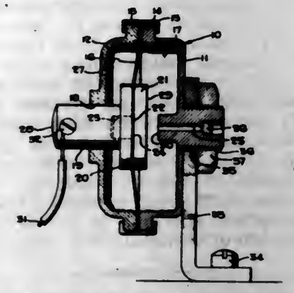
Dispensing apparatus comprising a container for a fluent substance, a gear pump for discharging said substance from said container in a continuous stream under pressure having an inlet opening into said container and also having an outlet, a discharge passage communicating with said outlet, a cylinder whose outlet communicates with said discharge passage, and a piston reciprocable in said cylinder for causing pulsations in said continuous stream of substance, a check valve between said cylinder outlet and the discharge passage and a check valve between said discharge passage and said outlet of the pump, whereby said substance may be discharged in a continuous stream at low pressure through said discharge passage and said piston will cause intermittent pulsations of relatively high pressure in said stream.

2,566,703
RADIO WAVE FOCUSING DEVICE
Harley Iams, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 14, 1947, Serial No. 747,889
13 Claims. (Cl. 250—33.65)



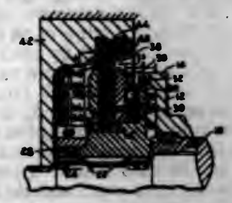
1. A system for focussing radiant energy, comprising a plurality of wave collector elements disposed at substantially equally spaced points on a surface, a reflector positioned with said collector elements between it and the source of the incident energy to be focused, a plurality of radiator elements disposed at substantially equally spaced points on a second surface, a second reflector positioned with said radiator elements between it and the place toward which the energy is to be radiated by said radiator elements, at least one of said surfaces being curved, and respectively separate and independent means connecting each of said collector means which occupies a position on said first surface to the one and only one of said radiator means which occupies the corresponding position on said second surface, said connecting means being of equal effective electrical lengths whereby said energy is focused by said radiator elements.

2,566,704
ELECTRIC SWITCH
William E. Leibing, Los Angeles, Calif.
Application February 21, 1949, Serial No. 77,526
3 Claims. (Cl. 200—83)



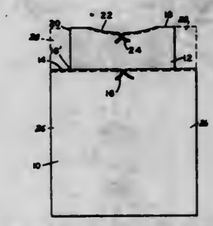
1. In an electric switch construction, the combination of a shell, a flexible diaphragm cooperating with the shell to form an enclosed chamber, a stationary contact element on the shell, a movable contact element on the diaphragm, said contact elements being within said chamber, the chamber being filled with an inert gas under pressure, the pressure of the gas acting to move the diaphragm in a direction to hold the contact elements in spaced relationship, and manually operable means accessible exteriorly of the shell whereby the diaphragm may be moved against the pressure of the gas to engage the electrical contact elements.

2,566,705
BIDIRECTIONAL NO-BACK CLUTCH
Joseph M. Mergen, Verona, and Robert K. Tiedeman, Packanack Lake, N. J., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application March 1, 1949, Serial No. 78,964
9 Claims. (Cl. 192—8)



1. A drive coupling including a brake, comprising a fixed brake housing, a brake element secured thereto, a driving member rotatable in either direction and having a driving dog, a driven member having a driven dog loosely engageable with the driving dog with substantial angular backlash, said driven member being drivable in either direction through said dogs according to the driving direction of the driving member, a brake element secured to said driven member against rotational movement but having axial freedom, engageable at times with said fixed brake element, a brake pressure plate loosely mounted on said driven member and having a dog engageable with said driving dog, opposed sloped cams on each of said brake pressure plate and driven members, a rolling thrust element between and engaging said cams, said cams comprising shallow V-like notches so disposed as to have their apices alined axially when said brake and driven dogs are alined axially and axially movable elastic means urging said brake element axially into contact with said pressure plate for light frictional engagement and urging said pressure plate toward said driven member whereby said cams are urged toward alignment of their notches.

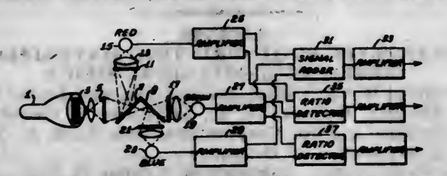
2,566,706
ARTICLE OF APPAREL
Ruth M. Ronstadt, Pennington, Ariz.
Application November 8, 1946, Serial No. 708,768
5 Claims. (Cl. 2—75)



1. An article of apparel such as a dress, gown or the like comprising an upper blouse section and a lower skirt section, said skirt section being formed of a circumferentially continuous tubular section of fabric normally having a much greater circumference than the body of the wearer with a drawstring for gathering the top of the skirt when on the wearer, said blouse section comprising a flat panel folded flatly upon itself across the shoulders to form flat front and rear panels for said blouse, the lower edges of said front and rear panels being fastened in the flat to the ungathered top of the skirt to be gathered therewith, the width of the front and rear panels being less than the flattened ungathered width of the skirt top and substantially greater than the waist of the wearer, said blouse being open at the sides from the shoulders to the waist to provide arm holes and having a neck opening also provided with a drawstring whereby the article may lie completely flat for ironing with only the skirt folded along its vertical sides and the blouse folded along the top.

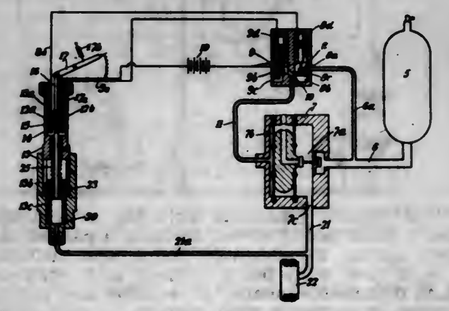
2,566,707
COLOR TELEVISION SYSTEM
George C. Szikiai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1947, Serial No. 788,746
6 Claims. (Cl. 178—5.4)

1. A color television system comprising in combination means for developing a first video signal train representative of one selected color component of an object being televised, means for developing a second video signal train representative of a second color component of said object being televised, a signal ratio detector having an output circuit and a pair of input circuits, a connection between one of said input circuits and



one of said means for developing video signal trains, a connection between the other input circuit and the other of said means for developing video signal trains, a signal utilization channel connected to one of said means for developing video signal trains, and another signal utilization channel connected to said output circuit of said signal ratio detector.

2,566,708
ELECTRICALLY OPERATED DEVICE FOR THE CONTROL OF FLUID PRESSURE SERVOMOTORS
Henry Trevaskis, Solihull, Birmingham, England, assignor to Dunlop Rubber Company Limited, London, England, a British company
Application December 31, 1946, Serial No. 719,521
In Great Britain December 22, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 22, 1965
11 Claims. (Cl. 121—41)



1. Electrically operated device for the control of pressure fluid which comprises a housing, fluid relay supply and delivery conduits connected to said housing, actuating and release valves in said housing controlling the admission of fluid to, and exhaust from, said delivery conduit, a movable wall in said housing controlling said actuating and release valves and dividing said housing into a chamber communicating with said delivery conduit and a pressure balancing chamber, an electric circuit having a pair of parallel branch circuits, an electro-magnetically operated inlet valve actuated by one branch circuit to admit pressure fluid to said pressure balancing chamber, an electro-magnetically operated exhaust valve actuated by the other of said branch circuits to exhaust pressure fluid from said pressure balancing chamber, a manually movable pair of arcuate contact strips, one for each of said branch circuits and having inturned ends, a displaceable contact disc connected to a source of electric energy and spring pressed into contact with said inturned ends of said contact strips, a pressure selecting member for displacing said contact disc successively from

one of said strips and then from both strips and comprising a plunger movable in the direction of manual movement of said pair of contact strips and actuated by the pressure of fluid in said delivery conduit to contact said disc at a point nearer one of said strips than the point of spring pressure thereon and to lift said disc.

2,566,709

DIAZOTYPE PHOTOPRINTING MATERIALS CONTAINING COLLOIDAL SILICA

William H. von Glahn, Loudonville, and Lester N. Stanley, Delmar, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 30, 1947, Serial No. 783,220
8 Claims. (Cl. 95—7)

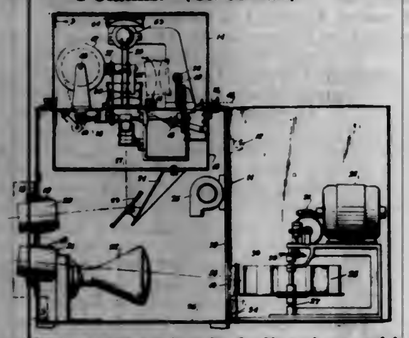
1. Diazotype photoprinting material having a light sensitive layer comprising colloidal silica, and a light sensitive diazo compound, said colloidal silica and said light-sensitive diazo compound being intermingled in the same layer.

2,566,710

PROJECTION DISPLAY APPARATUS

Frank E. Weller, Bloomfield, N. J., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware

Application October 20, 1949, Serial No. 122,408
4 Claims. (Cl. 88—24)



1. A display apparatus including in combination a main casing, a wall forming a part of said main casing, a removable casing also including a wall, said walls being formed with openings, quick detachable means for securing said casings against movements with respect to each other with said walls disposed adjacent each other and with the openings in alignment, display means within said removable casing and visible within said main casing through said openings, further display means extending into said main casing, means for directing light rays in illuminating relationship against both said display means and objective lens mounting means carried by said main casing for directing light rays from both of said display means to points beyond said main casing.

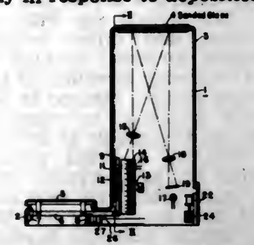
2,566,711

DISPLAY DEVICE FOR WEIGHING APPARATUS

Richard H. Wells, Mount Lebanon, and Carl C. Hein, Wilkinsburg, Pa.

Application April 9, 1946, Serial No. 660,686
4 Claims. (Cl. 40—28)

2. In combination with a platform scale for displaying on a confined screen an indication of the weight of a person stepping on the said platform, light projecting means for displaying advertising matter on said screen, means for activating said light projecting means to display said matter only in response to deposition of a weight



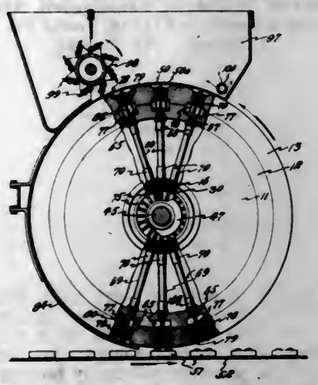
on said platform, and means for deactivating said light projecting means after a predetermined time and then displaying said weight indication on said screen.

2,566,712

MACHINE FOR DEPOSITING NUTS ON CANDY BARS

Louis H. Zeun, Naugatuck, Conn., assignor to Peter Paul, Inc., Naugatuck, Conn., a corporation of Delaware

Application December 15, 1948, Serial No. 65,360
8 Claims. (Cl. 107—7)



1. In a machine of the character described having means for feeding a plurality of candy bars, a nut hopper having an opening in the bottom for the passage of nuts, a rotatable drum below the hopper and above the path of travel of the candy bars, said drum having in its periphery a plurality of pockets for receiving the nuts, said drum and pockets being movable beneath and in communication with the hopper opening, the improvement which consists of providing suction chambers in the drum communicating with said pockets, and a plurality of radially disposed suction pipes in said drum extending to the suction chambers for sucking the nuts into and holding the nuts in the pockets as the drum is rotated and the pockets move from receiving to discharging position above the candy bars.

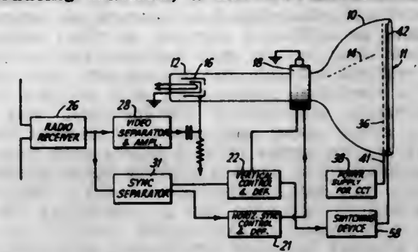
2,566,713

COLOR TELEVISION

Vladimir K. Zworykin, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 4, 1947, Serial No. 739,503
7 Claims. (Cl. 178—5.4)

1. A color television system comprising a cathode ray tube, cathode ray beam producing structure in said tube to be impinged upon by said beam, said multi-layer target having a layer of substantially green color light producing material, a layer of substantially blue color light producing material, and a layer of substantially red color light producing material, a non-fluorescent member



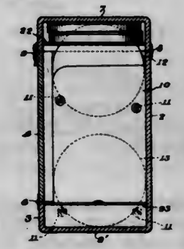
positioned between each of said layers of said light producing materials, an electrode composed of an electron pervious metallic sheet disposed in the path of the cathode ray beam for altering its velocity in the region of the target, and means to apply voltages having values differing sequentially in steps to said electrode.

2,566,714

MOTION-PICTURE PROJECTOR CASE

Morris Barnett, Philadelphia, Pa.

Application April 29, 1947, Serial No. 744,673
2 Claims. (Cl. 312—20)



1. A carrying case for a motion picture projector and film, comprising rear, side and bottom walls, a lid hingedly carried by said rear wall, a let-down closure hingedly supported adjacent to and by an extension of the forward portion of said bottom wall and it its lower position forming a shelf, and a pair of partitions secured to and in spaced relation with the respective end walls by horizontally disposed pairs of vertically spaced rods which are operative to support a film reel or a receptacle for the same, a reel or reel receptacle carried by the uppermost pair of said rods being accessible and removable from the case upon raising said lid, while a reel or reel receptacle carried by a lower pair of said rods is accessible and removable from the case only by opening said let-down closure into shelf position.

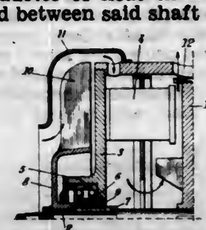
2,566,715

DEVICE TO PREVENT OVERHEATING OF SHAFT BEARINGS

Pierre Etienne Bessière, Paris, France, assignor to Societe Electro-Mecanique de l'Aveyron S. A., Rodez, France, a society of France

Application May 29, 1948, Serial No. 30,928
In France July 22, 1947
5 Claims. (Cl. 308—77)

1. An an apparatus, in combination, a bearing, a shaft supported in this bearing and subjected in operation to a heating action on one side of said bearing, a lining of a metal which is a better conductor of heat than that of said shaft interposed between said shaft and the portion of said bearing that revolves therewith, and a disc in contact with said lining on the other side of said bearing for dissipating heat into the atmosphere.



2,566,716

COMBINED CLEANING AND POLISHING COMPOSITION

Carsten F. Boe, Wooddale, and William R. Lowstuter, Wilmington, Del., assignors to Atomix Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application October 3, 1947, Serial No. 777,860
13 Claims. (Cl. 260—17)

1. A combined cleaning and polishing emulsion of the oil-in-water type comprising, by weight, from about 20% to 90% water in the continuous phase, a film-forming, water-insoluble and oil-soluble resinous material having a melting point not lower than about 50° C., an oil-miscible and water-immiscible solvent for the resinous material, a solvent which is miscible with both oil and water, a water-soluble film-forming agent comprising polyvinyl alcohol, and an emulsifying agent, the total amount of emulsifying agent not exceeding about 1%, the resinous material and the solvent therefor being in the dispersed phase, and the film-forming agent and the emulsifying agent being in the continuous water phase.

2,566,717

PRODUCTION OF POLYTHIOUREAS

Albert Stanley Carpenter, Sutton Coldfield, Birmingham, and Donald L. Wilson, Coventry, England, assignors to Courtaulds Limited, London, England, a British company

No Drawing. Application February 15, 1950, Serial No. 144,371. In Great Britain March 2, 1949
3 Claims. (Cl. 260—79)

1. A process for the production of polythioureas by reacting carbon disulphide with a primary diamine, the amino groups of which are attached to each other by a hydrocarbon chain containing at least three carbon atoms, to form an intermediate salt and then heating this salt until a fibre-forming thermoplastic polythiourea is obtained, wherein the carbon disulphide is reacted in the form of an aqueous emulsion with the diamine, said aqueous emulsion containing an emulsifying agent.

2,566,718

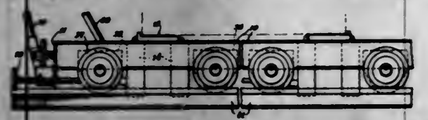
DOLLY AND LIKE TRANSPORTING DEVICE

Wilfrid Greville Collins, London, England

Application February 26, 1947, Serial No. 731,080
In Great Britain February 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1966
4 Claims. (Cl. 105—367)

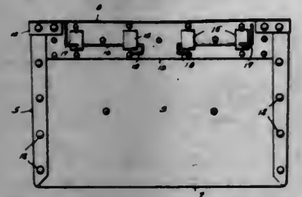
1. Means for transporting and accurately locating a heavy and bulky load comprising a pair

of elongated dollies each mounted for movement on one of two sets of parallel rails, a pair of spaced load-carrying members mounted on each dolly, idle horizontal rollers journalled in fixed position on and projecting above each each of the load-carrying members mounted with their axes parallel to the rails for independently or jointly supporting a load, and means for adjusting the



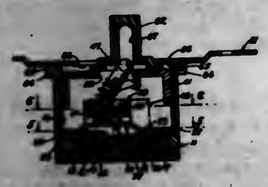
vertical position of each of said load-carrying members with respect to the dolly on which it is mounted, whereby the load supported on each or the pair of load-carrying members can be transported in the direction of the length of the rails and its position adjusted on the rollers for location purposes by lateral shifting movement on the rollers, or vertical movement with the load-carrying members.

2,566,719
FISH BASKET
James E. Dick, Alamosa, Colo.
Application December 17, 1947, Serial No. 792,259
1 Claim. (Cl. 224—5)



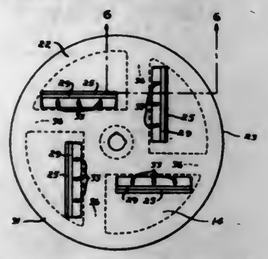
A metal creel construction including a body of perforated sheet metal material; a back plate rigidly secured to and overlying the upper portion of the rear wall of the body; spaced pairs of loops outstruck from the material of the body portion; rods mounted in said loops for limited slidable movement; attaching hooks on one end of the rods, said attaching hooks being formed as upstanding, inverted, U-shaped lateral extensions of the rods, said hooks having free ends extending parallel to said rods; and retaining hooks on the other ends of the rods and formed as U-shaped extensions extending laterally from the rods in a direction different from that in which the attaching hooks are laterally extended therefrom.

2,566,720
SLIDE SWITCH
George I. Dissinger, Davis, Calif.
Application August 15, 1949, Serial No. 110,311
1 Claim. (Cl. 200—76)



In an electric switch, in combination, a housing having an interior chamber bounded in part by a bottom surface; said bottom surface having two pairs of raised convex sections at opposite extremities thereof arranged in spaced relationship, a convex electrical contact secured on one section of each of said spaced pairs of sections, a block having a recess therein slidably mounted within said chamber, a resilient strip secured to said block; said strip having concavo-convexo electrical contact extremities with the convex surfaces of said extremities faced toward said bottom surface, an actuating element to effect sliding of said block within said chamber for moving said resilient contacts into engagement with said convex electrical contacts on said sections for compression engagement therebetween, and a spring coiled about said actuating element and seated in the recess of said block; said spring being adapted to exert a positive force on said block to hold said resilient strip under a positive force both in operative and in inoperative positions with respect to said convex electrical contacts whereby complete compression engagement between the contacts of said strip and said convex contacts is had when the switch is turned on.

2,566,721
ROTARY DISK WOOD CHIPPER
James Robert Dunbar, Vancouver, British Columbia, Canada
Application April 3, 1947, Serial No. 739,143
1 Claim. (Cl. 241—92)



A pulp wood chipper comprising a casing having a cover plate provided with a rectangular feed opening; a pulp receiving shoe having an inclined passage communicating with said feed opening; a horizontal rotor below said cover plate; a plurality of straight edged chipper knives mounted on said rotor adapted to sweep across said rectangular feed opening, each knife being located with reference to a quadrant so as to be substantially perpendicular to the leading radius of the quadrant and substantially parallel to the trailing radius of the quadrant, and being offset from the trailing radius by an amount approximating one-half the leading radius, each knife being of a length sufficient completely to traverse the said opening and securely hold a piece of wood being cut in an angle of the rectangular opening and in the pulp receiving shoe.

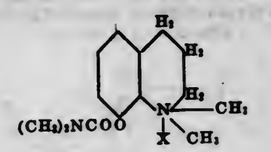
2,566,722
COSMETIC STICK AND THE LIKE
Leonard Friedberg, New York, N. Y.
Application June 26, 1946, Serial No. 679,393
2 Claims. (Cl. 91—54.7)



1. A cosmetic stick comprising a hard outer shell and a soft inner core, said outer shell and inner core each being composed of hard and soft wax materials, soft oily material and cosmetic material, the soft inner core being composed of a smaller quantity of hard wax material and larger quantities of the soft wax, oily and cosmetic materials, respectively, than said outer shell, the quantity of cosmetic material in said outer shell being a maximum of approximately 12 per cent, and the cosmetic material in said inner core being substantially above 12 per cent but below a maximum of approximately 24 per cent.

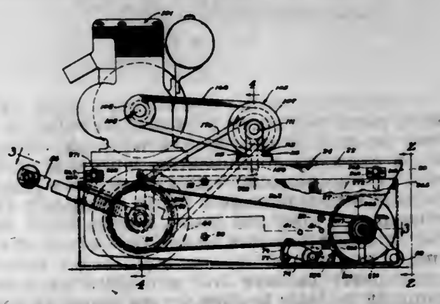
2,566,723
8-HYDROXY-1-METHYL-1,2,3,4-TETRAHYDROQUINOLINE DIMETHYL URETHANES
John H. Gardner, Wilson Borough, and Joseph R. Stevens, Easton, Pa., assignors to J. T. Baker Chemical Co., Phillipsburg, N. J., a corporation of New Jersey
No Drawing. Application June 25, 1947, Serial No. 757,068
2 Claims. (Cl. 260—286)

1. Compounds of the formula



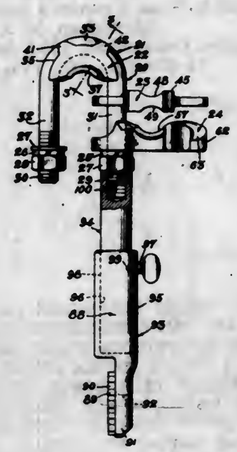
in which X is an anion.

2,566,724
COMBINATION LAWN MOWER AND SNOWPLOW
John P. Heil, Melrose Park, Ill.
Application April 30, 1947, Serial No. 744,837
15 Claims. (Cl. 56—26)



1. A machine of the character described comprising supporting means, means rotatably mounted on said supporting means for transporting said supporting means, driving means carried by said supporting means for rotating the transporting means, a rotary element carried by said supporting means connected to said transporting means for rotation therewith, and clutch means connected between said driving means and said transporting means for controlling the rotation of said transporting means and thereby the rotation of said rotary element, said clutch means comprising a pair of V-pulleys, each of said pulleys having two parts movable relative to each other to engage and disengage the clutch, and manually operable means for moving the parts of said V-pulleys relative to each other to thereby control the engagement and disengagement of said clutch.

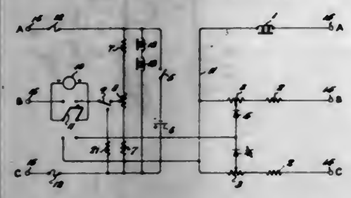
2,566,725
U-BOLT CONNECTOR
Herbert E. Hoadley, Joplin, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application February 4, 1948, Serial No. 6,119
1 Claim. (Cl. 173—273)



In a U-bolt connector, the combination of a substantially cylindrical U-bolt member having both of its ends threaded, and said U-bolt member being bent to provide a partially circular yoke portion which supports a pair of parallel threaded legs, a threaded member on each of said legs, a lower clamping member comprising a cast metal member formed with an aperture for receiving the first leg whereby it is pivotally mounted on said first leg, said lower clamping member having a transverse open slot for engaging the other leg and having a relatively wide central portion with a substantially semi-cylindrical groove for engaging an electrical conductor, said lower clamping member having an upper surface tapering upwardly from said slot, an intermediate cast metal clamping member formed with a flat body of sufficient thickness to be provided on its upper and lower sides with semi-cylindrical grooves for engaging electrical conductors, said intermediate clamping member having means for engaging both of the legs of the U-bolt for maintaining it in alignment with the other two clamping members, and a third clamping member comprising a cast metal member formed with a central elongated body adapted to be received between the legs of the U-bolt and formed with a lower elongated groove opposing the upper groove in the intermediate clamping member, said third clamping member having its top and sides formed with a groove which is semi-circular in cross section for a sliding fit on the yoke of the bolt, the said latter groove extending peripherally about the upper part of the third clamping member in an arcuate direction complementary to the partially circular portion of the U-bolt, this clamping member being rotatable on the U-bolt about the center of curvature of the bent portion of the U-bolt, to adjust itself automatically to the best gripping position on a conductor located in its groove, the said third clamping member having outwardly extending fingers which embrace an outer part of the bent bolt portion to retain this clamping member on the U-bolt, all of the grooves in the said clamping

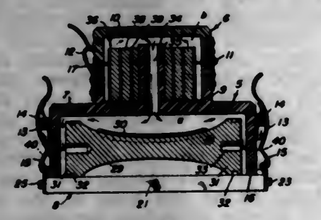
members extending substantially at right angles to the plane in which the two legs of the U-bolt have their axes located.

2,566,726
PHASE ROTATION AND POLARITY TESTING INSTRUMENT
Raymond A. Huse, Cranford, and Frazer W. Gay, Metuchen, N. J.
Application October 20, 1950, Serial No. 191,214
14 Claims. (Cl. 175—183)



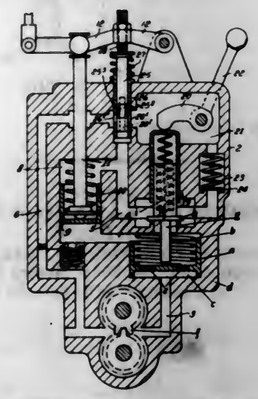
1. In a testing instrument for phase rotation, polarity and other determinations, a first testing circuit for determining phase rotation of a power line and a second testing circuit for determining phase rotation of a power utilization machine, said first testing circuit comprising phase leads to which power line phase conductors can be connected and having two similar impedances connected respectively in two of its phase leads to neutral and an impedance of different power factor characteristics connected in its third phase lead to neutral, whereby the electrical neutral is displaced from true neutral position, said second testing circuit comprising a D. C. power source and phase leads to which windings of a power utilization machine can be connected, a D. C. polarized meter common to both testing circuits, and switch means operable to selectively connect said meter in either of said testing circuits, said D. C. power source of the second testing circuit operating to excite certain windings of a connected power utilization machine when the latter is turned and thereby to induce actuating current flow through the meter.

2,566,727
HAIR WAVING DEVICE
Franklin Kemp, Wesleyville, Pa.
Application January 27, 1948, Serial No. 4,639
3 Claims. (Cl. 132—36)



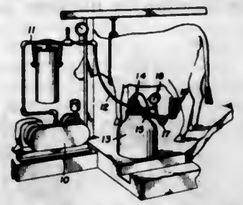
1. A hair waving device comprising a casing having a lower horizontally elongated portion whose interior forms a curling chamber and a vertical cylindrical upper portion disposed intermediate the ends of said lower portion and whose interior forms a heat generating chamber, said lower portion comprising a hollow open bottom body and a heat shield which clamps the hair adjacent the scalp and forms a removable bottom closure for said body, said upper portion including an open top body integral with the first named body and a cover section for said open top body provided with means to secure the same in closed position, upstanding pawls carried by said shield, and a curler removably disposed in said curling chamber upon said shield, said curler having peripheral ratchet teeth at the ends thereof adapted to be engaged by said pawls for holding the curler against retrograde turning movement so as to maintain a lock of hair wound thereon under tension when passed through the shield, said casing having a vertical tubular post within the heat generating chamber providing a passage for flow of heat from the heat generating chamber to the curling chamber intermediate the ends of the latter, and an exothermic heating element disposed within the generating chamber and fitted over said post.

2,566,728
HYDRAULIC GOVERNOR
Kenneth Albert Walters Kemp, Milton, near Gravesend, England, assignor to C. A. V. Limited, London, England
Application February 28, 1949, Serial No. 78,875
In Great Britain March 23, 1948
1 Claim. (Cl. 264—14)



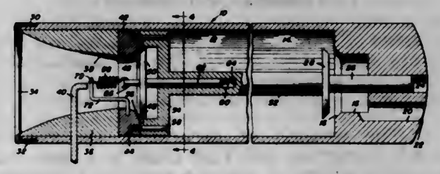
A hydraulic governor comprising a liquid circulating pump having an inlet and an outlet, a delivery passage communicating with said outlet, a return passage communicating with said inlet, a third passage forming with said delivery passage and said return passage a liquid circulatory path between said inlet and outlet, a main valve movable by liquid pressure under the action of said pump for establishing communication between said delivery passage and said third passage, a manually variable loading spring opposing opening movement of said main valve, a chamber communicating at opposite ends with said delivery passage and said third passage respectively, a spring loaded movable member arranged in said chamber so as to be responsive to liquid pressures in said delivery passage and third passage, a variable choke for establishing communication between said third passage and said return passage, means for varying said choke in response to movement of said movable member, a by-pass for establishing communication between said third passage and said return passage independently of said choke, a piston arranged to move towards and then to act on said main valve under the liquid pressure in said delivery passage, said piston being provided with at least one orifice through which liquid can flow, and a loading spring opposing movement of said piston by liquid pressure.

2,566,729
MILK METERING DEVICE
Elton B. Knaggs, Lapeer, Mich.
Application June 30, 1947, Serial No. 758,123
4 Claims. (Cl. 119—14.17)



1. In combination with a milking system including a group of teat cups, a milker pail, a milker pulsator disposed on said milker pail, air tubes interconnecting said milker pulsator and teat cups, and a milk tube interconnecting said teat cups and milker pail for delivering milk from the teat cups to the milker pail, metering means for determining the quantity of milk flowing through the conduit means, said metering means being interposed in the milk tube between said teat cups and said milker pail and including a casing and an impeller rotatably supported therein, said milk tube directing the flow of milk against said impeller, and indicating means associated with said impeller for indicating the amount of fluid passing through the milk tube.

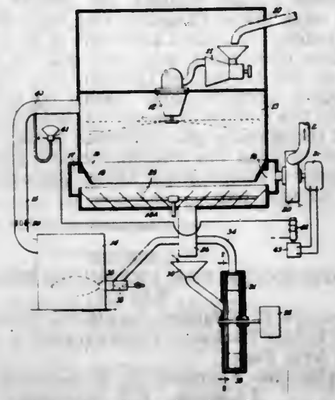
2,566,730
JET ENGINE VALVE CONSTRUCTION
Wesley Tracy Knight, Ogden, Utah
Application November 12, 1948, Serial No. 59,518
10 Claims. (Cl. 60—35.6)



1. A jet engine including a combustion chamber having a combustible mixture inlet port and a combustion products outlet port at its opposite ends, a valve seat for each port and a valve for each seat, each valve being yieldingly urged upon its seat by the fluid pressure within the combustion chamber, means responsive to the pressure variations within said chamber for operating said valves, said last means including a piston slidable in said combustion chamber and connected to the outlet valve, the piston being of greater area than said outlet valve for forcing the latter from its seat when the combustion chamber pressure exceeds a predetermined value.

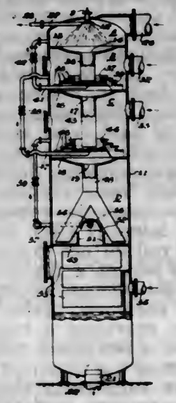
2,566,731
METHOD OF BURNING SEWAGE SLUDGE AND APPARATUS THEREFOR
Thomas R. Komline, Ridgewood, N. J., assignor to Komline-Sanderson Engineering Corporation, Glen Rock, N. J., a corporation of New Jersey
Application October 31, 1945, Serial No. 625,758
5 Claims. (Cl. 110—8)

5. A structure forming a combustion chamber, a structure forming a drying chamber, means for introducing sewage sludge into the drying chamber, an ignition nozzle in the combustion chamber, means for moving dried sludge from the drying chamber to the nozzle, a flue between the combustion chamber and the drying chamber, means for introducing cooling air into the flue



and means automatically actuated by variations in the temperature of the drying gases in the flue for varying the amount of air introduced into the flue to maintain an even temperature in the drying chamber.

2,566,732
MULTIPLE STAGE BLEED HEATER
Edwin H. Krieg, Wellesley Hills, Mass.
Application April 6, 1949, Serial No. 85,880
1 Claim. (Cl. 261—108)



A multiple stage bleed heater for heating the condensate from a steam turbine by means of steam bled from low-pressure stages of the turbine, comprising a series of direct contact water heating chambers disposed one above another, the top chamber having a top inlet for said condensate and a vent for noncondensible gases, the bottom chamber having a water outlet, each of the chambers having a side inlet for steam bled from a different one of said turbine stages, the lowest pressure chamber being at the top of the series and the highest pressure chamber at the bottom, each of the chambers below the highest one being vented to the chamber above it, each of the chambers above the lowest one having a condensate outlet in its bottom communicating with the chamber below it, means in the bottom chamber for deaerating by direct contact the condensate passing therethrough, a

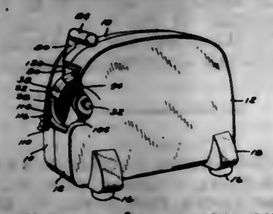
condensate pan extending across the bottom chamber above said deaerating means and provided centrally with an overflow opening having walls extending upward from the bottom of the pan, means for water sealing each of said condensate outlets against the higher pressure in the next lower chamber and including a water leg extending from the lowest of said condensate outlets downward into said pan to a point between the bottom of the pan and the top of its overflow opening, and means in the chambers above the bottom chamber for bringing the steam and condensate into intimate contact with each other to heat the condensate, the vent from the bottom chamber being above the overflow opening in said pan.

2,566,733

DISPENSER FOR PRESSURE SENSITIVE TAPES

Theodore H. Krueger, Stratford, Conn., assignor to Better Packages Incorporated, a corporation of New York

Application February 11, 1948, Serial No. 7,627
2 Claims. (Cl. 164—84.5)



1. In a dispenser for pressure sensitive adhesive tape, a supporting structure, a tape supplying device mounted on said supporting structure, a tape feed roll device mounted on the supporting structure longitudinally removed from the tape supplying device, said tape feed roll device including a tape feed roll element having a continuous cylindrical dispensing surface engaging the tacky side of said tape, said tape feed roll dispensing surface being laterally offset from the center of the tape supplying device and from the center of the tape being supplied to receive one edge only of the tape, the opposite edge of the tape extending laterally from the opposite side of the tape feed roll surface in a continuous manner whereby to permit a finger to be extended thereunder for the purpose of stripping the tape from the tape feed roll device, said feed roll element thereby providing a free annular space for the reception of the finger under the laterally extended portion of the tape and a tearing blade mounted on the supporting structure adjacent the feed roll dispensing surface and extending across said tape whereby said stripped tape may be severed.

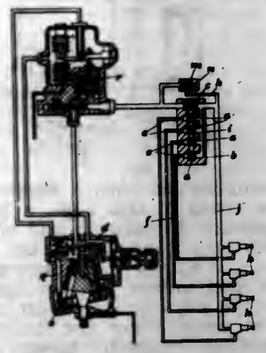
2,566,734

LIQUID FUEL COMBUSTION SYSTEM

Owen Napier Lawrence and Eugene Harold Warne, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England

Application November 13, 1947, Serial No. 785,730
In Great Britain October 25, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 25, 1966
2 Claims. (Cl. 299—58)

1. A liquid fuel supply system comprising in combination a main liquid fuel supply pump, a plurality of swirl-type nozzles, a passageway interconnecting the pump and nozzles so that liquid fuel in excess of the quantity to be discharged by the nozzles can be supplied thereto by the pump, return flow passages corresponding in number and respectively connected to the nozzles so that the excess liquid fuel supplied to the nozzles can flow into the return flow passages, secondary pumps corresponding in number to and respectively situated in the return flow passages, a motor arranged in and operable by liquid fuel flowing through the passageway interconnecting the main liquid fuel supply pump and the nozzles, and means interconnecting the secondary pumps and motor so that the latter serves to drive all of the secondary pumps at the same rate.

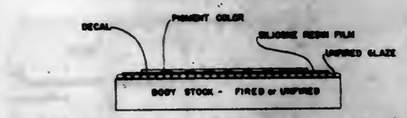


2,566,735

DECORATION OF CERAMIC WARE

Myron P. Lepie, New Rochelle, N. Y.

Application June 21, 1949, Serial No. 100,524
4 Claims. (Cl. 154—99)



1. The method of decorating ceramic ware which comprises applying glaze to a body stock, applying a film of silicone resin to a portion of the unfired glaze, applying a decorative transfer comprising coloring matter and a combustible binder to the film of silicone resin, and glost firing to burn the combustible binder and sinter the glaze, whereby the decorative color sinks into the glaze in the pattern present in the decorative transfer.

2,566,736

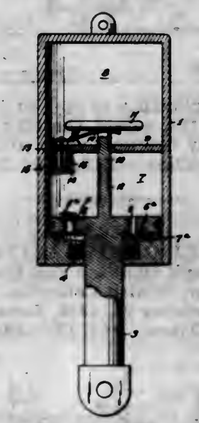
LIQUID COMPRESSION SHOCK ABSORBER

René Lucien Levy, also known as René Lucien, Paris, France, assignor to Societe d'Inventions Aeronautiques et Mecaniques S. I. A. M., Geneva, Switzerland, a corporation of Switzerland

Application May 26, 1948, Serial No. 29,248
In France June 5, 1947
3 Claims. (Cl. 267—64)

1. A liquid spring shock absorber comprising a cylinder, a piston moving lightly in said cylinder, a piston rod carrying said piston and extending from one side thereof, an apertured diaphragm within said cylinder and dividing the same into two chambers, said diaphragm being disposed in the cylinder on the side of the piston opposite to said rod, said piston having orifices therein of different cross sectional area and said orifices passing through said piston to provide for fluid

passage to and from opposite sides of the piston, valves for said orifices arranged respectively on opposite sides of the piston of the valves, the orifice of smaller cross-sectional area being arranged on the side of the piston adjacent said diaphragm, a counter-rod extending from the piston on the side thereof opposite to said piston rod and passing through the aperture in said diaphragm with a small clearance, said counter-rod having longitudinal grooves therein cooperable with the aperture in said diaphragm to provide a strong braking action upon compression of liquid between said piston and said diaphragm, said diaphragm further having a channel providing communication between opposite sides thereof, a normally opened spring pressed valve mounted between the diaphragm and the piston, a valve rod for said valve, abutment means carried at the free end of said counter-rod and reactive means reacting against said abutment means and exerting on said valve rod a force opposed to the spring pressure tending to normally open the said valve, said reactive means closing said valve when the shock absorber is at rest.

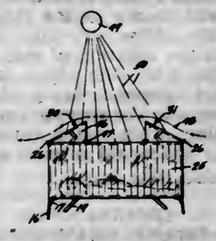


2,566,737

SHIELDED CRIB FOR BABIES

Virginia S. Merdian, Moline, Ill.

Application August 30, 1948, Serial No. 46,740
1 Claim. (Cl. 5—93)



A baby's crib comprising, in combination, a bottom, a pair of oppositely disposed side walls and a pair of oppositely disposed end walls rising from said bottom, the upper edges of said walls terminating in horizontal bars lying substantially in a common plane, a translucent fabric covering for each of said walls, a pair of shields extending along the upper edges of said end walls, respectively, each of said shields comprising a generally rectangular frame hingedly connected to its associated end wall providing for vertical swinging movement inwardly over said bottom, to a closed horizontal position, on the upper edges of said walls, said shields having a combined length appreciably less than the length of said side walls whereby the inner edges of said shields are spaced apart in said closed position, a translucent fabric covering for each shield frame, each shield covering being provided with side flaps which hang from the side edges of the frames and have ties for securing the inner corners of the flaps to the upper bars of the side walls to shield the interior from drafts with the shields disposed in oppositely inclined positions but releasable to permit the shields to be raised to vertical positions, and means adjustably securing each of said shields in any of several angular positions within their ranges of movement about their hinge axes.

2,566,738

PUNCHING APPARATUS

Lester F. Mitchell, Shaker Heights, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Application May 3, 1949, Serial No. 91,068
10 Claims. (Cl. 164—124)



9. An elongated punch of cylindrical form shaped to afford a conical pointed end for piercing a card or the like, said punch being formed adjacent to said pointed end with three flat faces parallel to and equally spaced about the axis of said punch in positions to intersect in three edges located substantially in the cylindrical surface of said punch, and said flat surfaces at the ends thereof remote from said pointed end each being terminated in a shoulder disposed substantially perpendicular to the adjacent flat surface and at an acute angle to said axis to thereby intersect with said cylindrical surface and form a shearing edge for shearing cooperation with the edge of a complemental perforation during progressive insertion of the punch through such a card or the like.

2,566,739

VINYL MONOMER COMPOSITIONS STABILIZED AGAINST THE DELETERIOUS EFFECTS OF COPPER AND COPPER COMPOUNDS

Samuel A. Moore, Cincinnati, Ohio, and Peter Kass, Wilmington, Del., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application November 25, 1947, Serial No. 788,084
6 Claims. (Cl. 260—31.2)

1. A composition of matter comprising monomeric vinyl acetate stabilized against the deleterious effects of copper and copper compounds with 0.05 to 5%, based on vinyl acetate, of an hydroxy polycarboxylic acid.

2,566,740

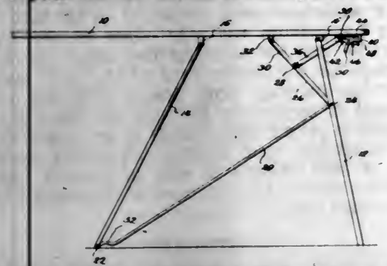
IRONING TABLE

Jacque J. Napoleon, Chicago Heights, Ill.

Application August 28, 1947, Serial No. 771,109
5 Claims. (Cl. 38—117)

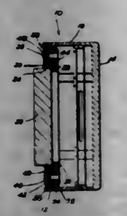
1. In an ironing table, a top, a leg structure movably connected to said top, toggle means extending between said leg structure and top, link means operatively connected adjacent one end

to said toggle means, a longitudinally slotted guide member secured to the underside of said top adjacent one of its ends, means to secure the opposite end of said link means to said guide member for linear movement in said slot between a first position in which said toggle means is



held extended for locking said leg structure to operative position and a second position in which said toggle means is fully collapsed and said leg structure has been moved to collapsed position, and means for releasably locking the linearly movable end of said link means at either of said positions.

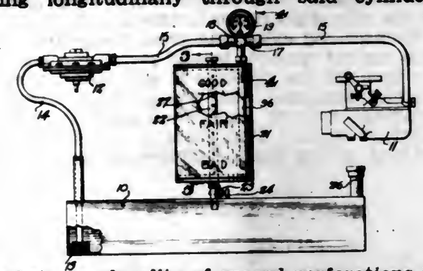
2,566,741
WATCH CASING
Leon M. Newhouse, Brooklyn, N. Y., assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y., a corporation
Application July 10, 1948, Serial No. 38,099
4 Claims. (Cl. 58—88)



1. A watch casing, comprising a casing member having an open bottom and a top provided with an opening for a crystal and an externally exposed endless recess having an open top and a closed bottom, said recess surrounding said opening and having a hole in the bottom thereof, a cover on said casing member for closing the bottom thereof, a dial located on the bottom of said recess, said recess being deeper than the thickness of said dial so that the latter is spaced from the open top of said recess, and said dial bearing certain hour marks and having in lieu of another associated hour mark a hole in alignment with the hole in the bottom of said recess, and a separate hour mark on the exposed face of said dial, said separate mark representing said other mark and having a shank extending through said aligned holes, and means for securing said shank in said holes.

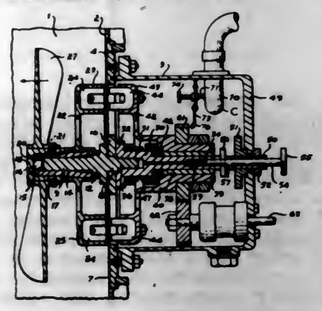
2,566,742
FUEL PUMP TESTER
Charles A. Odell, Kansas City, Mo.
Application June 2, 1948, Serial No. 30,532
1 Claim. (Cl. 73—216)

In a pump-testing apparatus, a fitting, a transparent cylinder arranged adjacent said fitting and having markings on its outer surface, a tube having its upper end connected to said fitting and its lower end terminating within said cylinder adjacent the lower end thereof, valve means connected to said fitting for regulating the flow of fuel in said tube, a vertically disposed pipe extending longitudinally through said cylinder,



there being a plurality of spaced perforations in said pipe for the egress therethrough of fluid, and a manually operable valve arranged on said tube for controlling the flow of fluid from said tube.

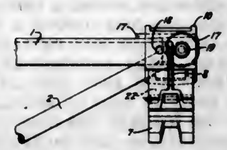
2,566,743
MAGNETIC DRIVE AGITATOR
George Joseph Okulitch and Igor Zozulin, Vancouver, British Columbia, Canada
Application October 24, 1949, Serial No. 123,176
4 Claims. (Cl. 172—284)



1. A device for imparting rotation to an agitator or the like comprising a drive rotor and a driven rotor mounted in axial alignment, permanent magnets regularly spaced about the periphery of one rotor and complementary pieces of magnetic material spaced about the other rotor, means for selectively rotating the drive rotor at a slow and at high speed, means for imparting endwise movement to one of the rotors to move it out of operative attraction from the other of said rotors when the rotation of said rotors is at substantial variance to each other, said endwise movement imparting means being of such magnitude as to overcome the operative attraction of the magnets when high speed rotation is imparted to a rotor while said rotor is at rest.

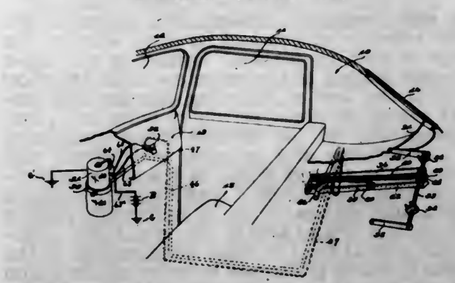
2,566,744
BRAKE BEAM
Oscar Otterson, Butler, Pa., assignor, by mesne assignments, to Schaefer Equipment Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1950, Serial No. 137,712
8 Claims. (Cl. 188—223.1)

1. A brake beam comprising a compression member, a tension rod in front of said member having its ends connected to the ends of the compression member, brake heads having recessed bodies receiving the opposite ends of the compression member, the back wall surface of each body recess being spaced from the adjacent rear surface of said member, said spaced surfaces being inclined lengthwise relative to each other to provide a space between them tapered lengthwise toward the adjacent end of the compression member, a tapered wedge driven into said space to hold the front wall of said body recess tightly



against the front of said member, the outer end of the wedge projecting beyond the end of the compression member and being bent over to lock the wedge in place, and means holding the brake heads against movement lengthwise of said member.

2,566,745
REGULATOR MECHANISM
John B. Parsons, Toledo, Ohio
Application June 21, 1944, Serial No. 541,327
1 Claim. (Cl. 60—52)



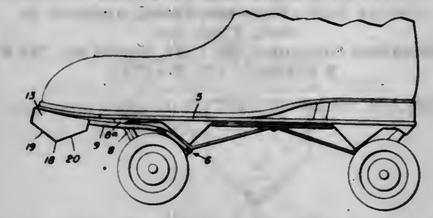
A regulator mechanism for effecting movement of a vehicle member between two positions of adjustment, comprising a swinging arm operatively connected to the vehicle member, a fluid motor connected to actuate the arm in one direction, said motor including a cylinder and a piston which is operatively connected to said arm, a fluid conduit connected to said cylinder, an electromagnetically controlled normally closed valve in said conduit controlling the passage of fluid to and from said cylinder, an electric motor driven pump for supplying fluid under pressure to said conduit, a fluid reservoir communicative with said pump, another valve between said pump and said conduit, said other valve being responsive to the pressure fluid for establishing communication between said conduit and said reservoir when the pump is inoperative and normally preventing communication between said conduit and said reservoir and establishing communication between said pump and said conduit when the pump is operative and in the event that excessive pressures are developed in the conduit when the pump is operative, direct communication is established between the conduit, said pump and said reservoir, a contractile spring operatively connected to said arm and arranged constantly to urge same in the opposite direction, a switch having one contact connected to the electromagnetic valve and the motor driven pump for effecting operating of said pump and unseating of said other valve whereby pressure fluid is admitted to the cylinder and the arm is moved in one direction, said switch having another contact connected only to said electromagnetic valve to effect unseating of same enabling the contractile spring to force fluid from the cylinder to said reservoir and the arm is moved in the opposite direction.

2,566,746
VERY HIGH-FREQUENCY TUNING CIRCUITS
Wladimir J. Polydoroff, Bethesda, Md.
Application May 11, 1949, Serial No. 92,695
5 Claims. (Cl. 250—40)



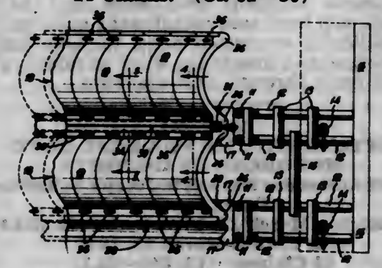
1. A radio circuit tunable throughout two different very high frequency ranges comprising an inductor having an enlongated solenoidal portion and a serially connected linear portion coaxial with said solenoidal portion, two adjustable condensers respectively shunting the entire inductor or one of said portions only to form resonant circuits of different frequencies, a movable ferromagnetic core adapted to enter into said inductor to vary the inductance of both portions and to alter the frequency of each respective circuit and switching means to connect into the circuit the entire said inductor or the linear portion only with one of said adjustable condensers.

2,566,747
GROUND BRAKE FOR ROLLER SKATES
Leo H. Rice, Council Bluffs, Iowa
Application February 24, 1948, Serial No. 10,492
5 Claims. (Cl. 280—11.2)



1. A brake attachment for roller skates having a front wheel truck provided with a screw threaded fastener and an upwardly inclined brace for the truck, said brake attachment comprising a plate having a pair of openings for receiving the fastener and the brace to hold the plate at the under side of a skate, and a brake block secured to the under side of said plate.

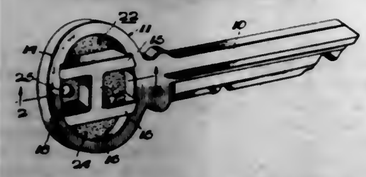
2,566,748
RESTRAINING WALL DECKING
Robert Hall Ringrose, Mosman, New South Wales, Australia
Application August 5, 1946, Serial No. 688,469
In Australia May 22, 1946
14 Claims. (Cl. 61—30)



1. A restraining wall comprising a plurality of bolsters, a buttress assembly for supporting said

bolsters uprightly and without restraint against lateral movability thereof, a plurality of inflexible panels having side portions rollably seated upon said bolsters, and resilient means for sealing the adjacent side portions of each neighbouring pair of said panels.

2,566,749
KEY IDENTIFICATION MEANS
Walter F. Rothe, Washington, D. C.
Application July 25, 1946, Serial No. 686,129
1 Claim. (Cl. 40—2)



A key having a concavo-convex head portion, and a skeleton character embossed in the said head adapted to stand out in silhouette against a contrasting background, said background comprising a disc having a luminous coating thereon, an annular groove in the concave side of the key head, said disc being flexible so as to snap into said annular groove on the concave side of said key head.

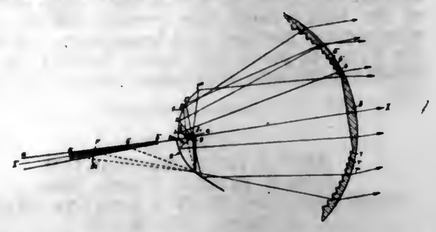
2,566,750
FASTENING TASSELS TO ROBE SASHES
George Safir, Norwalk, Conn., assignor to Safir Plan, Inc.
Application November 29, 1947, Serial No. 788,877
5 Claims. (Cl. 2—278)



1. A supporting body comprising two sheets of fabric or the like having their flat surfaces in contact with one another and secured together along one of their edges, said edge having an aperture therein, a tassel having an attachment loop extending through said aperture and having its end portion lying between said sheets, and an attachment member disposed between said sheets adjacent said edge and passing through said loop, said attachment member having resiliently connected arms foldable against one another and insertable, when so folded, within said body through said aperture.

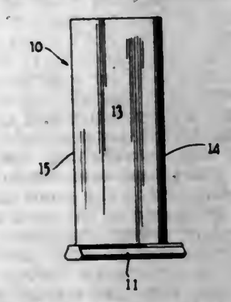
2,566,751
OPTICAL SYSTEM FOR DUAL BEAM MOTORCAR HEADLIGHTS
Henri Alexandre Hippolyte Joseph Schaffner, Paris, France
Application March 12, 1946, Serial No. 653,804
In France March 15, 1945
13 Claims. (Cl. 240—41.3)

1. In a headlight the combination of a single focus lens positioned so as to have its optical axis horizontal, a reflector located between the lens and the focus of said lens and constituted by two reflector sections having different shapes and situated on the opposite sides of a horizontal plane parallel to the optical axis of the lens, the section of said reflector above said plane being substantially spherical about a center on the optical axis of the lens and having a focus on said axis, and the section of said reflector below said horizontal plane being substantially hyperbolic and having front and rear foci on said optical axis, the rear focus of said hyperbolic section coinciding with the focus of the lens, a dip filament having its longitudinal axis horizontal and normal to the vertical plane containing said optical



axis and positioned between the vertex of the upper reflector section and its focus whereby the image of said dip filament formed by the upper spherical section of the reflector lies in the focal plane of the lens, a screening cup for said filament having its upper periphery lying in a plane perpendicular to the vertical plane containing the optical axis and crossing said optical axis substantially at said center of the upper spherical reflector section and a road filament having a longitudinal vertical plane of symmetry passing through the optical axis of the lens and a longitudinal axis at least in close juxtaposition to the optical axis and positioned between said lens and said reflector at least adjacent to the front focus of the lower hyperbolic reflector section.

2,566,752
METHOD OF PRODUCING A FERROUS METAL ARTICLE INFILTRATED WITH A CUPROUS INFILTRANT
George Stern, Yonkers, N. Y., assignor to American Electro Metal Corporation, Yonkers, N. Y.
Application October 14, 1948, Serial No. 54,396
5 Claims. (Cl. 148—12.3)



1. The method of producing a composite ferrous metal article of high strength which comprises compacting and forming ferrous particles containing less than about .25% carbon into a shaped sintered porous skeleton having a sufficiently low carbon content so that when said skeleton is quenched from a raised temperature it exhibits a relatively high degree of softness and is readily given the desired shape, infiltrating

said skeleton with a cuprous infiltrant containing at least 90% copper and having a melting temperature lower than 1250° C., maintaining the skeleton and infiltrant at a temperature in the range from about 1100° C. to about 1250° C. and above the melting temperature of the infiltrant for a period from about one to six hours to cause diffusion between the infiltrant and the skeleton and penetration of a substantial amount of constituents of the infiltrant substantially throughout the skeleton particles, thereafter cooling the infiltrated body at a quenching rate to give said body a relatively high degree of softness, and thereafter heating the quenched body at a temperature between about 300° and 600° C. for a period from about one hour to three hours for causing infiltrant constituents diffused into the skeleton to precipitate and thereby materially increase the strength of said body.

2,566,753
IMPREGNATED PENCIL LEAD
Charles H. Van Dusen, Jr., Willoughby, Ohio, and Oscar E. Weissenborn, Verona, N. J., assignors to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application August 8, 1946, Serial No. 689,195
5 Claims. (Cl. 106—19)

1. A pencil lead impregnated with a mixture of China-wood oil and rosin.

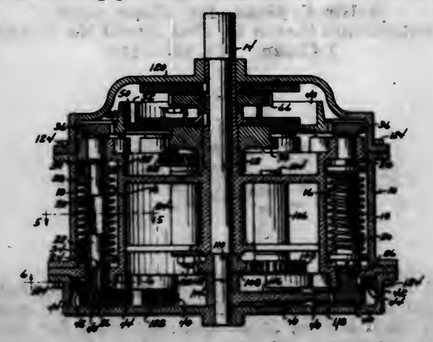
2,566,754
COMPOSITION FOR A PENCIL LEAD
Charles H. Van Dusen, Jr., Willoughby, Ohio, and Oscar E. Weissenborn, Verona, N. J., assignors to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1948, Serial No. 48,534
1 Claim. (Cl. 106—19)

A planographic image-forming pencil writing rod material consisting essentially of the dried product of an intimate mixture of the following materials within the range of the quantities specified, all parts being by weight:

Nigrosine	31.5 to 38.5
Japan wax	1.8 to 2.2
Aluminum stearate	36 to 44
Methyl cellulose (one part dissolved in six parts of water, by weight)	24.84 to 30.36

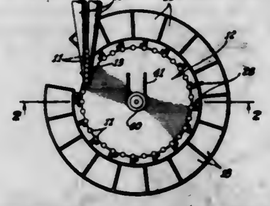
2,566,755
MECHANICAL MOTOR
Giuseppe Vigneri, Hoboken, N. J.
Application June 4, 1946, Serial No. 674,221
1 Claim. (Cl. 185—37)

A spring motor comprising a frame, a shaft rotatably mounted in the frame, a drum rotatably mounted in the frame around the shaft, a ring gear on the outer periphery of the drum, a series of housings arranged around the ring gear, tubular spring drums within the housings, a shaft loosely mounted in the upper end of each of said tubular spring drums, a gear fixed to each of said shafts and meshing with the ring gear, a shaft fixed in the lower end of each of said tubular spring drums, rewinding gears carried by said latter shafts, a housing formed on the lower end of said first said housings, a spring pressed dog in said housings adapted to engage said rewinding gears to permit rotation of said gears in one direction but to prevent rotation of said gears in the opposite direction, a ring gear formed on the lower surface of said first said drum, a series of gear trains connecting said last mentioned ring gear with a gear mounted on said first said shaft, an arm carried by the latter shaft and having a segmental rack adapted to engage the rewinding gears for rotating the same in suc-



cession one at a time, brake shoes mounted with said first said drum for engagement with said first said drum for locking the drum in fixed relation to the frame, means carried by the first said drum for moving said shoes into and out of engagement with said first said drum, bearings for said gear trains formed integral with each other and with said frame, and said gear trains are fixed to shafts mounted in said bearings.

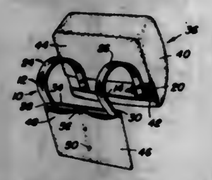
2,566,756
SORTING MACHINE
Oscar Z. Wiseman, Altadena, Calif.
Application March 23, 1945, Serial No. 584,399
11 Claims. (Cl. 209—91)



1. In a sorting machine of the class described, the combination of: a shaft; a disc supported by said shaft and rotatable thereon, said disc being adapted to receive rivets and the like and to carry them around to knock-off points; notches on the perimeter of said disc adapted to suspend said rivets by the heads thereof; drive means for rotating said disc independently of said shaft; knock-off means below said disc comprising a plurality of supporting members adjustably stationed in vertical and horizontal relationship to the perimeter of said disc and an edge cam carried rotatably by each of said supporting members and positioned thereby to rotate in a plane radial to said disc, said cams having a working edge of regular polygonic form and being spaced at successively decreasing vertical intervals below said disc so as to be adapted to knock off rivets of successively decreasing lengths and being further adapted to being divided into groups having successively higher means group levels; means connecting each of said groups of cams to said shafts in driven relationship thereto for rotating the cams; and tension means on

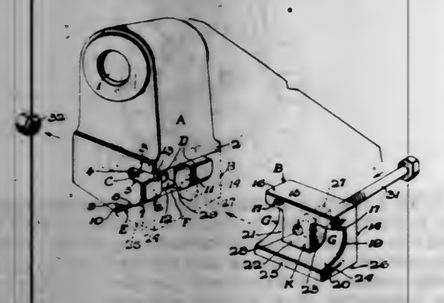
each of said connecting means, said tension means being releasable whereby any of said connecting means and the groups of cams driven thereby may selectively be made inoperative.

2,566,757
HEADREST
Sylvia C. Alexander, Ukiah, Calif.
Application March 19, 1948, Serial No. 15,799
1 Claim. (Cl. 155—174)



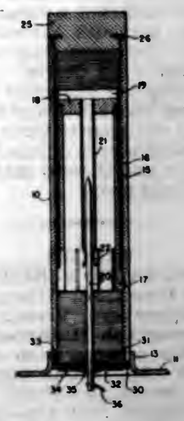
A head rest attachment for chairs comprising a plurality of U-shaped resilient anchor members each having front and rear arms for yieldingly engaging the upper portion of a chair, a substantially rectangular frame carried by the rear arms, a substantially rectangular support plate carried by the front arms, a cushion member having a rear wall, and a covering for the cushion member including a rear portion with a slot therein, said support plate being received in said slot and disposed between the rear portion of said covering and the rear wall of said cushion member.

2,566,758
TIP AND SHANK FOR HAMMER MILLS
Carlos E. Anderson, Chicago, Ill., assignor to Kensington Steel Company, Chicago, Ill., a corporation of Illinois
Application June 13, 1949, Serial No. 98,770
6 Claims. (Cl. 241—197)



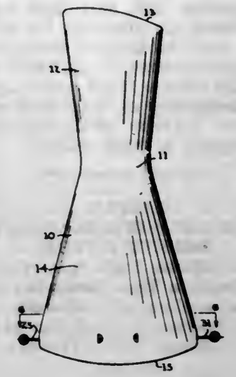
1. A hammer for rotary crushing mills, comprising, a shank having a head provided with a front face and formed below its front face with an inset transverse upper recess, a subjacent transverse rib overlying a two-sided bottom recess, said rib having a medial keeper recess therein; a removable tip having angularly disposed front and bottom impact faces and provided at its inner side with a medial transverse recess for embracing the rib, a key in the last-mentioned recess for fitting in the said keeper recess of the rib, said transverse recess in the tip being bounded by upper and lower flanges having wedging engagement respectively within the upper and lower recesses of the shank head, and bolt and nut means for fastening the head and tip together.

2,566,759
HIGH-FREQUENCY TUNER
James M. Clark, Hinsdale, and William H. Counts, La Grange, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application August 3, 1948, Serial No. 42,196
6 Claims. (Cl. 178—44)



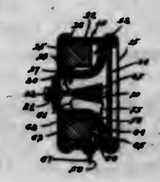
1. A resonant cavity tuning unit including first and second telescoping assemblies, said first assembly including an outer cylindrical conductor, an inner conductor, and first and second end closures sealing the ends of said outer cylindrical conductor to hermetically seal said unit, said outer cylindrical conductor being threaded on the inside surface thereof, said first end closure being made of insulating material and supporting said inner conductor, said second end closure having a threaded portion engaging the threads on said cylindrical conductor and being removable from said cylindrical conductor, said second assembly including first and second concentric tubular conductors extending within said outer cylindrical conductor and a conducting member interconnecting said tubular conductors at the ends thereof adjacent said second end closure, said first tubular conductor being inside and spaced from said cylindrical conductor and having a threaded portion extending outwardly at the end thereof opposite to the end connected to said conducting member, said threaded portion engaging the threads on said cylindrical conductor and providing the sole connection between said first tubular conductor and said cylindrical conductor, said second tubular conductor having a diameter greater than that of said inner conductor and being spaced thereabout and having a portion extending inwardly at the end thereof opposite to the end connected to said conducting member, said inwardly extending portion being resilient and engaging said inner conductor and providing the sole connection between said second tubular conductor and said inner conductor, said conducting member including provisions to facilitate turning said second assembly to adjust the position of said threaded portion within said threaded cylindrical conductor and thereby adjust the relative positions of said telescoping assemblies and the length of the resonant cavity formed thereby, said removable second end closure providing access to said conducting member to permit adjustment of the position of said second assembly with respect to said first assembly.

2,566,760
TIE KNOT FORM
George J. Dorusak, Croydon, Pa.
Application November 24, 1950, Serial No. 197,440
4 Claims. (Cl. 2—153)



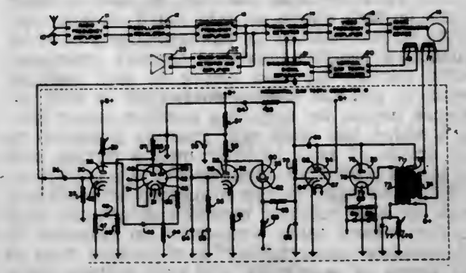
2. A tie knot form comprising an elongated body of sheet material having one end wider than the other and tapering from both ends toward a location intermediate the length thereof but nearer the end of less width to provide an upper end portion and a lower end portion larger than said upper end portion, said body being transversely curved throughout its length and said upper end portion including wings disposed one at each longitudinal edge of the intermediate part thereof and bent over the concave surface of said intermediate portion with their distal edges contiguously disposed adjacent the midlength location of the latter, said wings being spaced from said intermediate portion to constitute said upper end portion a hollow formation for receiving a tie end.

2,566,761
HEARING AID
William Dubilier, New Rochelle, N. Y.
Application December 7, 1948, Serial No. 63,921
3 Claims. (Cl. 179—107)



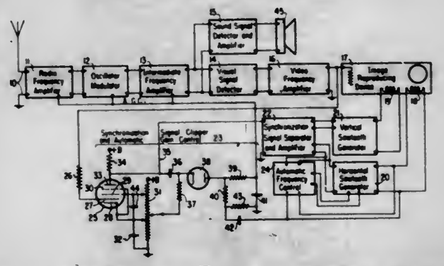
1. A hearing aid comprising microphone, a housing therefor, said microphone including a diaphragm, a variable electrical resistance member, a mechanical connection between said resistance member and said diaphragm for varying the electrical resistance of said member in response to vibration of said diaphragm; said housing having an annular chamber for supporting a battery surrounding said microphone, and an annular battery within said chamber.

2,566,762
REACTANCE TUBE CONTROL FOR SAWTOOTH GENERATORS
Robert R. English, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application April 26, 1946, Serial No. 665,104
8 Claims. (Cl. 250—36)



1. In a television system including in combination, means for producing an electron beam and deflecting coils therefor, a generator for supplying current of sawtooth wave form to said deflecting coils, said generator having a frequency controlling circuit, a reactance tube coupled to said frequency controlling circuit for reducing the effective inductance thereof, means for deriving synchronization pulses, and control means for applying a voltage to said reactance tube which increases as the frequency of said generator increases with respect to the frequency of said synchronization pulses to increase the inductance reducing effect of said reactance tube on said frequency control circuit, to cause the frequency of said generator to decrease.

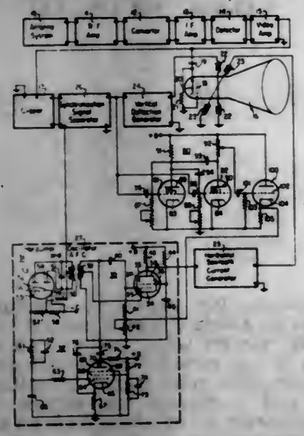
2,566,763
SYNCHRONIZING SIGNAL SEPARATOR AND KEYED AUTOMATIC GAIN CONTROL
George W. Fyler, Lombard, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application September 28, 1946, Serial No. 700,137
2 Claims. (Cl. 178—7.5)



2. A system for providing synchronization pulses and an automatic gain control voltage for a television receiver which includes an image reproducing device, means for receiving and amplifying a composite video signal including picture elements and horizontal and vertical synchronization elements all of which have an amplitude greater than the amplitude of said picture elements, and means for applying said amplified composite video signal to said image reproducing device, said system including in combination, a clipper circuit including an electron discharge valve having a cathode, a control grid and an anode, direct current coupling means for applying a positive going composite video signal having a direct current component to said control

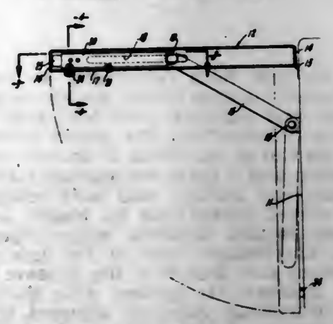
grid, said clipper circuit including means for applying potentials to said cathode and said anode of said valve so that current flows in said anode when the amplitude of said composite video signal exceeds a predetermined value to provide a voltage drop at said anode, rectifier means including a cathode and an anode, a capacitor coupling said cathode of said rectifier means to said anode of said valve, means connected to said cathode of said rectifier means for applying a positive potential thereto, resistance means connecting said anode of said rectifier means to ground, means connected to said resistance means for applying positive pulses having a value less that said positive potential to said anode of said rectifier means during said horizontal synchronization elements, a circuit including condenser means connected between said anode of said rectifier means and ground, said rectifier means being conductive in response to simultaneous occurrence of said voltage drop at said anode of said valve and said voltage pulse at said anode of said rectifier means to provide a gain control voltage across said condenser means which varies with the amplitude of said composite video signals for all amplitudes above a particular value, and means for applying said gain control voltage to said means for receiving and amplifying said video signal for controlling the gain thereof so that said composite video signal applied to said valve has such an amplitude that said picture elements are below said predetermined value and said synchronization elements exceed said predetermined value and appear at said anode of said electron discharge valve.

2,566,764
CIRCUIT FOR SHIFTING ALTERNATE FIELDS OF TELEVISION RASTERS
George W. Fyler, Lombard, and Garth J. Heisig, Chicago, Ill., assignors to Meterola, Inc., Chicago, Ill., a corperation of Illinois
Application September 3, 1947, Serial No. 771,974
3 Claims. (Cl. 178—5.1)



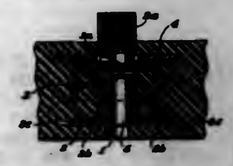
1. A television receiver for reproducing an image from a composite video signal including picture elements interspersed with field and line synchronizing pulses, including in combination, means including a cathode ray tube for producing a beam varying in intensity with the picture elements of the video signal, means for scanning the beam in a vertical direction in accordance with the field synchronizing pulses to produce successive picture fields, means including an oscillator for scanning the beam in a horizontal direction in accordance with said line synchronizing pulses to provide picture lines, and means for providing a shift of the horizontal position of the beam with alternate fields, said shift producing means including a generator for producing symmetrical square waves, means for synchronizing said generator with said field synchronizing pulses, and means for applying the output of said generator to said horizontal scanning oscillator for shifting the horizontal position of said picture lines, said square wave generator operating at half the frequency of said field synchronization pulses to thereby shift alternate picture fields with respect to each other.

2,566,765
RANGE SHELF WITH SELF-LATCHING SAFETY CATCH
Clarence R. Graham, Palo Alto, Calif., assignor to James Graham Manufacturing Co., Newark, Calif., a corporation of California
Application October 25, 1948, Serial No. 56,298
5 Claims. (Cl. 211—93)



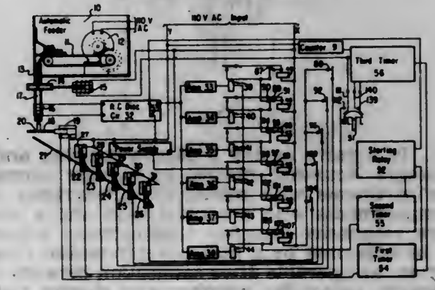
3. A shelf assembly comprising a drop shelf hinged to a vertical support member, shelf supporting means pivotally connected to the support member and slidably connected to the underside of the shelf, a spring pressed latching lever pivotally mounted on the underside of the shelf for horizontal swinging movement and automatically operative to swing one end thereof into engagement with said supporting means to lock said means against movement when the shelf is raised to horizontal position, and manually operable means for yieldingly urging said lever end out of engagement with said supporting means comprising a knob carried by the other end of said lever in depending relation thereto.

2,566,766
VALVE FOR AIR BAGS
Freddie C. Green, Altoona, Ala.
Application March 30, 1948, Serial No. 17,932
2 Claims. (Cl. 18—45)



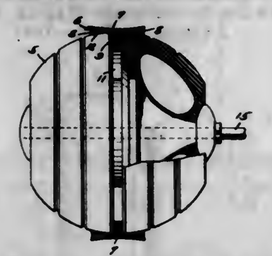
2. In an air bag having a body of rubber material, a tubular valve stem having outwardly extending flanges radiating from said stem at the lower end thereof and embedded in the body of said air bag, an annular skirt embedded in said air bag body and removably coupled to said stem, said skirt having a drum-simulating tubular rim depending from an annular shoulder, said tubular rim being disposed in spaced surrounding relation with said stem, the intervening space between said tubular rim and said stem being filled with rubber under compression forming a homogeneous mass with the rubber material of said air bag, said stem having an annular groove adjacent the upper end of said annular shoulder and opposite flat sides extending from one end of said stem to said annular groove, and a washer element removably coupled to said stem, said washer having an opening therein to accommodate said stem, said opening having flattened portions spaced a less distance apart than the diameter of said stem, the edges of said opening being disposed in locking abutment with a shoulder of said annular groove on rotation of said washer relative to the flattened sides of said stem with said washer in registry with said groove to restrain said washer against upward movement relative to said stem.

2,566,767
SELECTING DEVICE
William J. Hunt, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application May 1, 1946, Serial No. 666,469
1 Claim. (Cl. 209—81)



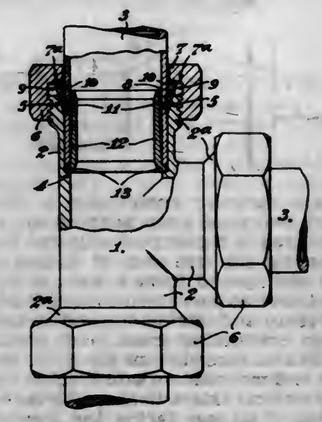
Automatic apparatus for sorting slugs to be used as cores in permeability tuned circuits in accordance with the permeabilities thereof, such apparatus including in combination, a testing coil having a vertically positioned passage therein extending through the magnetic field of the coil, a hopper adapted to contain a plurality of slugs, a channel leading downwardly from said hopper to said passage in said coil, an electromagnetically operated dropping unit in said channel for individually releasing said slugs from said hopper, said channel including a righter box with downwardly converging walls for positioning said slugs by gravity in an upright position in said passage, electromagnetically operated releasable retaining means for holding each slug in said upright position within the magnetic field of said coil, an inclined chute having an upper end thereof disposed below said passage of said coil, a plurality of sorting receptacles positioned at different points along said chute, said chute having portions movable for selectively directing slugs into said receptacles, an electric circuit coupled to said coil including an oscillator for providing oscillations of various frequencies in accordance with the permeability of the slugs which are individually positioned in said coil, said circuit also including discriminator means for producing a voltage varying with the frequency of said oscillations, a plurality of relay means, and amplifier means for selectively controlling said relay means in accordance with the voltage produced by said discriminator, said relay means being individually connected to said portions of said chute for selectively operating the same, and timing means electrically connected to said dropping unit, said retaining means and said relays for controlling the same so that said apparatus automatically operates to test said slugs in said hopper one after the other, and for depositing the same in the appropriate receptacle according to their respective permeabilities.

2,566,768
T BELT
Charles Y. Jones, Carlisle, Pa.
Application July 22, 1947, Serial No. 762,699
3 Claims. (Cl. 74—231)



1. A transmission belt including a wide body portion formed to a cross sectional configuration in which the top and bottom faces thereof are each concaved, said body when viewed in cross section being thinnest at its center and increasing in width toward its opposite side edges, the thickened opposite side portions of said body being adapted to be flattened to reduce their thickness on exertion of pressure thereagainst; and a single narrow longitudinal flange integral with and extending longitudinally of the bottom surface of said body, said flange depending from the thin center portion of said body.

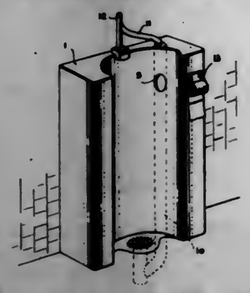
2,566,769
PIPE COUPLING
Frank Kay, Lytham, England
Application July 18, 1949, Serial No. 105,363
In Great Britain February 11, 1949
7 Claims. (Cl. 285—122)



1. In a pipe coupling for metallic pipes the combination comprising, a sealing ring or thimble of metal harder than that of the pipes hav-

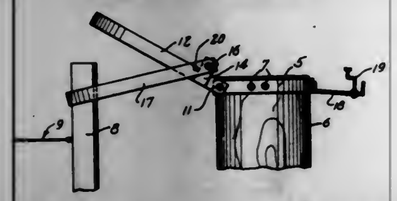
ing a tapering outer surface with the coupling constructed so that the thinner end of the thimble is forced into a complementary recess in the union upon the tightening action, wherein the thimble is provided at least at its thinner end and on its inner surface with a number of serrations on and around said surface, the tightening up of the union resulting in the projections formed by the serrations bedding into the embraced pipe surface.

2,566,770
URINAL HAVING A FLUSHING CHANNEL THEREIN FOR DISPOSAL OF PAPER
François Johan Marie Knitel, Voorburg, Netherlands
Application March 28, 1947, Serial No. 737,785
In the Netherlands May 13, 1946
1 Claim. (Cl. 4—104)



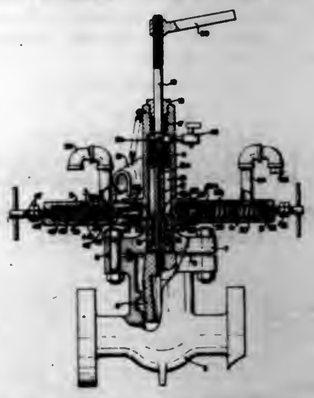
A urinal having a water line emptying therein and a drain outlet therebelow, a descending channel formed alongside said urinal and having an opening for disposal of paper therein, the bottom of said channel emptying into said drain below its mouth in the urinal, and a water line connected to said channel so as to flush away paper dropped therein.

2,566,771
GATE FASTENER
Bennett J. Limpo and Thomas H. Limpo, Lynwood, Calif.
Application February 3, 1948, Serial No. 5,974
1 Claim. (Cl. 292—250)



A gate fastener comprising a horizontally disposed U-shaped strap adapted to be embracingly secured to a gate post adjacent its top, said strap having the free ends of its legs projecting toward and spaced from a gate, a horizontally disposed bracket positioned exteriorly of the bight of said strap and having one end secured to said bight, an upstanding crank latch positioned adjacent to and spaced from the other end of said bracket and mounted on said bracket for rotation about a vertical axis, a U-shaped lever having the free ends of its legs facing the free end of the legs of said strap and connected thereto for swinging movement about a horizontal axis into and out of embracing relation with respect to said crank latch, a portion of said crank latch being engageable with the bight of said lever when the lever bight is in embracing relation to the crank latch to hold the lever against movement toward releasing position, an upstanding bar positioned adjacent to and spaced from each of the free ends of the legs of said lever and fixedly secured thereto, and a U-shaped link having the free ends of its legs facing said upstanding bars and connected to said bars for movement about a horizontal axis into and out of embracing relation with respect to a part of said gate.

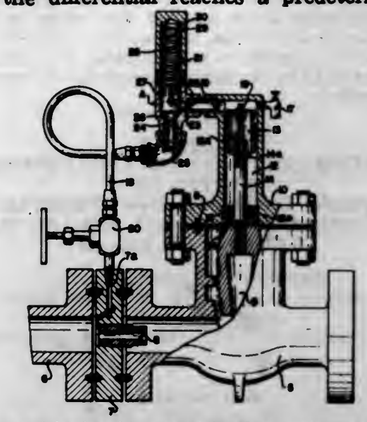
2,566,772
SAFETY CONTROL VALVE
Herbert C. Otis, Dallas, Tex.
Application February 4, 1947, Serial No. 726,373
28 Claims. (Cl. 137—153)



1. In a valve having a closure member and a pressure actuated means comprising opposed compartments with means for pressurizing the compartments with a control fluid and a pressure responsive member therebetween adapted to be energized by a pressure differential thereacross; an operable drive connection between the pressure responsive member and closure member, control means for the pressure actuated means including a vent for one of the compartments, an auxiliary snap action valve controlling said vent, said valve exposed and responsive to the pressure within one of said compartments and adapted to open when said control pressure reaches a predetermined limit to energize the pressure actuated means and shift the closure member, and means for closing off the means for pressurizing the compartment which includes the vent upon shifting of the closure member to closed position.

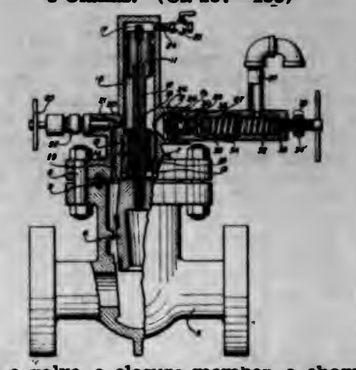
2,566,773
SAFETY CONTROL VALVE
Herbert C. Otis, Dallas, Tex.
Application February 4, 1947, Serial No. 726,374
17 Claims. (Cl. 137—153)

1. In combination a valve with a closure member operable therein, an actuating mechanism for the closure member including means responsive to a pressure differential, said means having a drive connection with the closure member, a flow passage, means providing a restriction in the passage, operable connections between said means and the passage on both sides of the restriction means and a control device controlling the connection leading to upstreams of the restriction and adapted to open in response to the pressure differential across the restriction when the differential reaches a predetermined



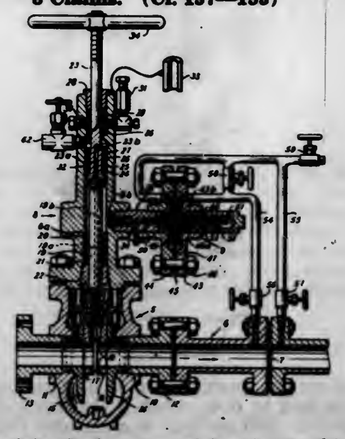
limit to subject said means to the pressure differential across the restriction means to energize said means and shift the valve closure member.

2,566,774
SAFETY CONTROL VALVE
Herbert C. Otis, Dallas, Tex.
Application February 4, 1947, Serial No. 726,372
3 Claims. (Cl. 137—153)



1. In a valve, a closure member, a chamber, a pressure responsive member having an operable connection with the closure member and within the chamber dividing it into two variable capacity compartments having constant total volume, pressure fluid supply and release connections for the compartments for creating pressure differentials across the pressure responsive member to shift it to extreme position within the chamber and thereby actuate the valve closure, said supply and release connections including a pressure fluid supply connection and release connection for one compartment with a manually controlled valve for the release connection, a supply connection for the other compartment operable only with the pressure responsive member in a position to afford substantially maximum capacity for this compartment, another supply connection for this latter compartment with a valve controlling the connection and a release connection for the latter compartment, with a pressure responsive valve controlling the connection adapted to open when the pressure of a controlled fluid reaches a predetermined limit, whereby the closure member may be automatically shifted to one position in response to a controlled pressure and selectively returned to its other position by manual manipulation of the valves controlling the pressure supply and release connections.

2,566,775
SAFETY CONTROL DEVICE
Herbert C. Otis, Dallas, Tex.
Application December 17, 1948, Serial No. 65,902
8 Claims. (Cl. 137—153)

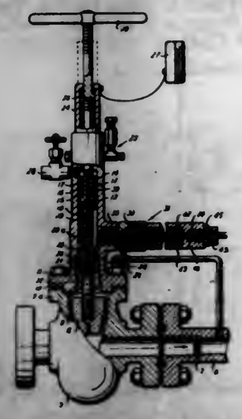


1. A safety device comprising in combination a valve with a valve element controlling flow therethrough, a fitting with flow restrictor means therein and a pressure responsive mechanism adapted to close the valve including a pressure chamber with a pressure responsive member therein, an operable connection between the pressure responsive member and the valve element whereby movement of the member provides for a corresponding movement of the element, means for pressurizing the pressure chamber substantially equally on both sides of the pressure responsive member, and means for relieving the pressure on the side of the pressure responsive member which will move it in a direction to close the valve when the flow through the conduit exceeds a predetermined rate, said means responsive to the pressure drop across the flow restrictor and means closing the portion of the first mentioned means which pressurizes the pressure responsive means on the side to be relieved by the second mentioned means when the valve element is in closed position.

2,566,776
SAFETY FLOW CONTROL DEVICE
Herbert C. Otis, Dallas, Tex.
Application January 8, 1949, Serial No. 69,870
5 Claims. (Cl. 137—153)

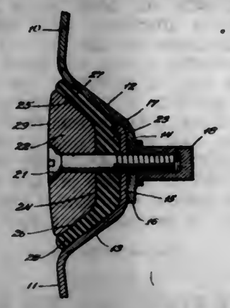
1. In combination a conduit, a valve disposed in the conduit with a valve member adapted to control flow through the conduit and pressure actuated means for closing the valve including a housing having a chamber with a pressure responsive member therein dividing it into two pressure compartments, a drive connection between the pressure responsive member and valve member for shifting the latter in response to movement of the pressure responsive member, and means for providing a pressure differential across the pressure responsive member for actuating same upon occurrence of predetermined flow conditions within the conduit, said latter means including a flow restrictor in the conduit, connections for supplying pressure fluid from the conduit on the upstream side of the restrictor

to the two pressure compartments and a relief valve for one of the compartments mounted to place it in communication with the conduit downstream of the restrictor, said relief valve responsive to the pressure differential between the pressure compartment to be relieved and the



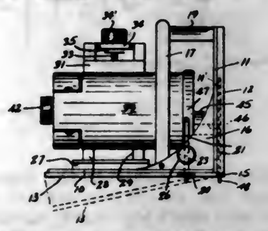
conduit on the downstream side of the restrictor and adapted to open upon occurrence of a predetermined differential, and means closing off communication between the relief valve and connection for pressurizing the compartment with which the relief valve is connected when the valve member is shifted to closed position.

2,566,777
TANK SEAM
Thur Schmidt, Chicago, Ill.
Application May 15, 1948, Serial No. 27,159
5 Claims. (Cl. 220—81)



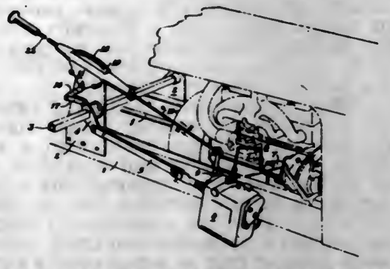
1. In a jettisonable torpedo-shaped gasoline tank, the combination of a pair of matching male and female shells of relatively thin rigid sheet material, the male shell having an inwardly extending angular offset portion around its entire margin, with a flat edge flange along the inner edge of the offset portion; the female shell including an inwardly extending offset portion around the entire margin of the shell, with a flat joint flange having an outwardly flared edge adapted to fit over the flange of the male shell, with the flared edge bearing against the offset portion of said male shell; a sealing gasket comprising a strip of resilient, yieldable material having a flat bottom portion with outwardly flared webs; said gasket being positioned on the joining flange of the female shell with the webs bearing against the offset portions of both shells; and means comprising a metal rail of generally trapezoidal shape positioned on the gasket and having angularly disposed clamping surfaces engaging the webs of the gasket and pressing said webs against the offset portions of both of the shells to seal the joint between the shells; together with means to clamp the rail toward the flanges of the shells to compress the gasket.

2,566,778
FLUSH CUTTING PORTABLE POWER-DRIVEN SAW
Barney Lee Skinner, New Orleans, La.
Application December 3, 1946, Serial No. 713,609
3 Claims. (Cl. 143—43)



1. A portable power operated saw comprising a base, an upstanding backing plate mounted upon the base and disposed at substantially a right angle thereto and having an opening formed therein, a flush cutting base rib arranged upon the outer face of the backing plate and secured thereto and forming a recess with the outer face of the backing plate, an upstanding guide post mounted upon the base, a vertically movable slide mounted upon the upstanding guide post, a horizontally movable slide mounted upon the vertically movable slide, a motor including a motor housing mounted upon the horizontally movable slide, a drive shaft within said motor housing and carried by said motor, a rotary saw disposed upon the outer side of the backing plate within said recess, a driven shaft arranged in axial spaced relation with respect to said drive shaft extending through the opening in the backing plate and rotatably supporting said saw, and gearing rotatably supported on said motor housing connecting said driven shaft to said drive shaft, whereby the saw, gearing, motor and horizontally movable slide assembly is shiftable axially of the motor and saw upon the base and vertically movable slide.

2,566,779
ADJUSTABLE LIMIT CONTROL FOR TRACTOR LIFT SHAFTS
Robert E. Stutzke, Louisville, Ky., assignor to B. F. Avery & Sons Company, Louisville, Ky., a corporation of Delaware
Application November 29, 1946, Serial No. 713,052
19 Claims. (Cl. 121—38)



1. In a control mechanism for a tractor lift motor reversing valve having an intermediate off

position: a limit arm adapted to be moved by a rotatable shaft between two extreme positions; a valve control rod having an abutment thereon adapted to be engaged by said limit arm adjacent one extreme position; a second abutment movable along said rod; a positioning member movable on said rod; means for locking said positioning member in adjusted position; resilient means between said second abutment and positioning member providing a lost motion connection; and resilient means biasing said positioning member toward said limit arm.

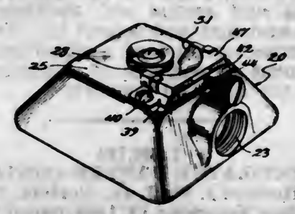
2,566,780
STOCKING RUN MENDER
Joseph H. Taylor and Hans O. Schomer, Minneapolis, Minn.
Application November 1, 1946, Serial No. 707,072
9 Claims. (Cl. 66—1.5)



1. A stocking run mender, comprising an inner clamping frame, an outer clamping frame, a carriage mounted on and movable on said outer clamping frame as a track, said inner clamping frame being constructed of resilient material of dark color, a metal channel reinforcing same, tapered sides having barb like ribs to firmly engage material between it and said outer clamping frame, said carriage consisting of two side members, riveted cross members, and spring friction detents movably holding carriage on track, said carriage having mounted thereon a hook and latch needle, a needle holder, a needle operating member, a propelling roller, a magnifying glass and a finder, said needle holder having said needle vertically adjustably mounted in same, and said holder in turn being horizontally adjustably mounted in a slot in said needle operating member, said operating member being joined to a pivoted yoke and having an operating extension with a finger push contact on one side for actuating same, having up and down travel limit stops, and a one way action and return-to-neutral position coil spring, said propelling roller being journalled into said carriage, and having rubber inserts engaging track surfaces of said outer clamping frame and a rotatable grip at one end propelling carriage by fritcion to true relative position, said magnifying glass being pivotally mounted on top of said carriage to swing clear of needle holder, said finder encircling said needle and having diametrically opposed index points in line with said needle and with mounting on said carriage to conveniently clear said outer clamping frame.

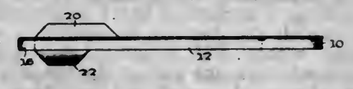
2,566,781
SPRAY DEVICE
Benjamin A. Tetzlaff, deceased, late of Riverside, Ill., by Ralph W. Tetzlaff, La Grange, Ill., Clarence C. Tetzlaff, Hinsdale, Ill., and Lillian B. Tetzlaff, Riverside, Ill., executors
Application October 22, 1947, Serial No. 781,459
1 Claim. (Cl. 299—18)

In a spraying device, a base having a top and a fluid intake, a discharge head carried upon the top of the base and including circumferentially arranged openings, a spreader for spreading the fluid discharged from the openings and means for blocking off half of the openings, said means comprising a sliding block member adapted to cover the openings arranged upon the top of the base and movable into complete engagement against said spreader, a vertically arranged flange upon the top, a thumbscrew threaded in



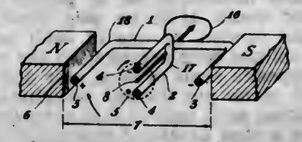
said flange and arranged parallel with the top, the end of the thumbscrew being rotatively mounted in the block member, said block member being slidable reciprocally with rotation of said screw, and ears on opposite edges of the top slidably engaging the edges of the block member to guide the reciprocal sliding movement thereof.

2,566,782
HAIRPIN
Mirabeau C. Towns, Jr., Sparta, N. J.
Application March 21, 1949, Serial No. 82,661
2 Claims. (Cl. 132—50)



1. A hairpin comprising a strip of resilient material bent to form a long leg and a short leg in contacting engagement, said short leg being of substantially greater width than said long leg adjacent its end to form a pair of finger engaging wings to facilitate the manipulation of said hairpin, one of said wings being of greater length than the other to indicate the relative vertical position of said legs.

2,566,783
COIL SYSTEM FOR MEASURING INSTRUMENTS WITH NONLINEAR SCALES
Arend Thomas van Urk, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 1, 1946, Serial No. 680,608
In the Netherlands November 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1962
5 Claims. (Cl. 171—95)



1. A moving coil system for measuring instruments comprising a magnetic system including a pair of opposed pole faces of opposite polarity spaced apart to define an air gap therebetween in which the distribution of magnetic flux therein is substantially uniform between the pole faces and substantially non-uniform outside the air-gap, a first coil member rotatable outside said air-gap, a second coil member rotatable within said air gap in said region in which the distribution of magnetic flux is substantially

uniform, means to connect said first and second coil members electrically whereby said coil members rotate uni-directionally in response to a torque produced by the interaction of a current flowing through said coil members and the magnetic flux, and means to mechanically couple said first and second coil members together whereby said first and second coil members rotate together to produce a non-linear angular displacement in response to a current flowing through the said coil members.

2,566,784
VENTILATOR DAMPER CONTROL
Howard J. Waff, Jr., Norfolk, Va.
Application November 19, 1948, Serial No. 61,063
1 Claim. (Cl. 98—42)



In a ventilator control device, a ventilator housing, a pivoted damper mounted within the housing controlling the passage of air through the housing, a horizontal shaft within the housing on which the damper is secured, a solenoid mounted within the housing, ears extending from the solenoid, one wall of the housing having spaced elongated concentric openings formed therein, bolts extending through the ears and elongated openings, adjustably securing the solenoid within the housing, and an arm secured to the damper connected with the core of the solenoid whereby movement of the core in one direction moves the damper to its open position.

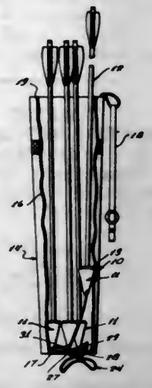
2,566,785
CRANKSHAFT CONSTRUCTION
Ben W. Wheelis, Killeen, Tex.
Application August 16, 1946, Serial No. 690,915
2 Claims. (Cl. 74—597)



1. In a crankshaft construction in internal combustion motors, a set of paired detachably connected crank arms on said shaft, a hollow crank pin formed on one of each pair of said arms, a splined cone arranged in the end of each of the opposite arms of each pair and extending into said crank pin thereof detachably and rigidly securing each pair of said arms through said pins, and a stud arranged through each pin and threaded into the said cones providing locking means for said cones.

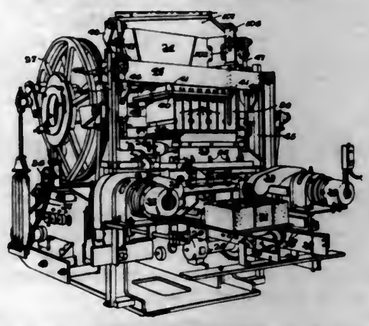
2,566,786
COMBINED QUIVER AND SHEATH
Raymond T. Zaccard, Chicago, Ill.
Application April 4, 1950, Serial No. 153,891
3 Claims. (Cl. 150—1.5)

1. The combination with a quiver open at one end and closed at the other end for retaining therein a plurality of pointed arrows, of a plurality of sheaths each engageable over the pointed end of the arrows to be contained within the quiver, an elongated flexible connecting member secured at one end to the quiver and at the other end to said sheaths, said sheaths being extensible from the open end of the quiver for initially receiving the points of the arrows to be



engaged in the quiver, said flexible member extending through a central opening in the closed end of the quiver to be withdrawn therefrom for retracting the sheaths and arrows within the quiver, said flexible member being foldable into a knot outwardly of said closed end for retaining said sheaths in the quiver upon sliding of the arrow points from the sheaths.

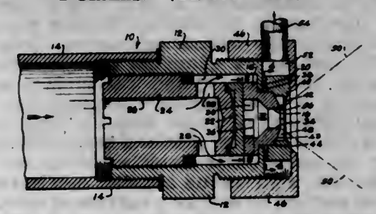
2,566,787
STRIPPING MECHANISM FOR BLOCK MOLDING MACHINES
Thomas K. Zevely, Washington, D. C., assignor, by mesne assignments, to Besser Manufacturing Co., Alpena, Mich., a corporation of Michigan
Application April 22, 1949, Serial No. 88,964
33 Claims. (Cl. 25—41)



1. In a machine for molding cored building blocks, the combination of a mold box open at top and bottom and including at least one core bar extending across the top thereof and supporting at least one core within the box, means for positioning a pallet below said mold box to close the bottom thereof, means for supplying moldable material to the space within said mold box surrounding said core, stripping means normally positioned above the mold box for engaging the upper surface of the material therein to smooth and compact said material during formation of the block and to thereafter remove the block from said box, means for producing

relative movement between said mold box and stripping means in a vertical direction to bring the stripping means into engagement with the moldable material in the box, eject the block from the box and then return the stripping means and box to their normally separated positions, said stripping means including stripper heads adapted to pass on opposite sides of said core bar and to receive the core bar between them during said relative vertical movement of the mold box and stripping means, means for supporting at least one of said stripper heads for lateral movement relatively to the other to vary the distance therebetween, and means operable in timed relation to said relative vertical movement of the mold box and stripping means for producing said lateral movement.

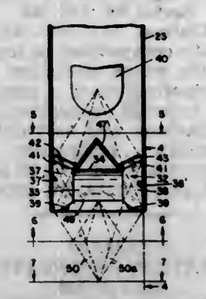
2,566,788
AIR ASSISTED FUEL NOZZLE
Lloyd E. Berggren, Verona, Hugo E. Gille, Jersey City, and William F. Smith, Irvington, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application May 21, 1949, Serial No. 94,574
4 Claims. (Cl. 299—114)



1. A liquid spray nozzle having a first chamber therein, said chamber having a wall with an opening therethrough forming a first restricted orifice; means for supplying a liquid to said first chamber for whirling motion in said first chamber about the axis of its orifice whereby said liquid discharges through said orifice in a diverging jet, said wall having an external cylindrical surface co-axial with said first orifice; a member having an internal cylindrical surface fitted over said external cylindrical surface and having a shoulder engaging the outer surface of said wall and also having a wall spaced downstream from said first-mentioned wall to form a chamber between said walls, said second-mentioned wall having an opening therethrough forming a second restricted orifice co-axial with and larger than said first orifice; means for supplying a gas to said second-mentioned chamber, said gas discharging through said second orifice with said jet to help atomize the liquid in said jet; and means carried by said nozzle and engaging said member for holding its said shoulder in engagement with the outer surface of said first mentioned wall.

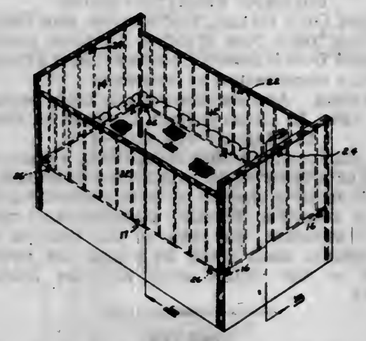
2,566,789
OPTICAL SIGHT MEANS FOR INDICATING THE LEVEL OF LIQUIDS OR OTHER REFLECTIVE SURFACES
Roswell J. Blackinton, Whittier, and Francis E. Stewart, Los Angeles, Calif., assignors to Western States Lacquer Corporation, Los Angeles, Calif., a corporation of California
Application May 15, 1947, Serial No. 748,366
1 Claim. (Cl. 88—1).

A liquid level indicator adapted to be mounted at a predetermined height above a desired liquid level in a container, said indicator comprising an opaque lens tube having a bottom opening therein, a light source mounted in said tube to direct light rays from the light source toward the bottom opening, a lens mounted in said opening, said lens having a central portion with a translucent bottom surface and a curved side face, the tube being cut away to expose the translucent lens bottom through the curved side face, means shielding the central lens portion from direct light rays from the light source, a pair of curved



lens faces on opposite sides of the shielded central lens portion adapted to deflect light rays from the light source into two converging beams adapted to cross each other at their focal centers in laterally adjacent relation a fixed distance below the center of the flat central lens portion, said converging rays being adapted to be reflected back into sharply focused laterally adjacent images on the translucent bottom surface of the lens central portion by a liquid surface a predetermined distance below the translucent lens surface.

2,566,790
CRIB COVER
Mabel G. Bloomfield, Detroit, Mich.
Application March 15, 1946, Serial No. 654,601
4 Claims. (Cl. 5—93)



1. A combined liner and outer cover for a child's crib of the leg supported type utilizing a mattress over the bottom of the crib, said cover comprising a panel adapted to overlie the bottom of the crib body and underlie the mattress, and portions connected to the side and end margins of said panel arranged to form a pocket for receiving the wall structure of the crib and to surround the exterior thereof, the exterior wall structure of said pocket being of such length as to depend below said panel to form a substantially

dead air space around the wall structure of the crib body and provide a shield for substantially eliminating drafts under the bottom of said body.

2,566,791
STABILIZATION OF POLYMERIZED CHLORO-SUBSTITUTED ETHYLENES
Charles J. Chaban, Toledo, Ohio, assignor to Stabelan Chemical Company, Toledo, Ohio, a partnership
No Drawing. Application December 13, 1949, Serial No. 132,798
12 Claims. (Cl. 260—45.5)

12. An alkaline composition of improved stability and durability which comprises (*a*) the product of the polymerization of a composition comprising vinyl chloride, plasticized with a copolymer of butadiene and acrylonitrile and (*b*) sodium thiosulfate, intimately incorporated therein in an amount from 1 to 20 per cent of the weight of said polymerization product.

2,566,792
STABILIZATION OF UNSATURATED KETONES
Hans Dannenberg, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 25, 1948, Serial No. 29,187
13 Claims. (Cl. 260—593)

1. An unsaturated ketone stabilized against color change under normal conditions encountered in storage and transportation consisting essentially of a normally liquid olefinically unsaturated ketone containing a diheteroazine containing a six-membered diheteroatomic ring in which both heteroatoms are nitrogen and a hydrogen atom is attached to a nuclear nitrogen atom of the diheteroatomic ring in an amount sufficient to inhibit discoloration of said unsaturated ketone.

2,566,793
GREASE COMPOSITIONS
Raymond Glyn Davies, Teddington, and Reginald William Noad, New Malden, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 5, 1949, Serial No. 103,164. In Great Britain October 18, 1948
13 Claims. (Cl. 252—41)

1. A lubricating grease comprising a major proportion of a mineral oil and minor amounts sufficient to form a grease of a mixture of lithium hydroxy stearate, lithium stearate and sodium hydroxy stearate, the ratio of the lithium soaps to be sodium soap being 94:6 and the hydroxyl content of the entire soap mixture being 3.6 per cent.

2,566,794
ALUMINUM ARTICLES COATED WITH HEAT-SEALABLE COMPOSITION
Lawrence M. Debing, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 10, 1948, Serial No. 48,763
5 Claims. (Cl. 117—122)

1. An aluminum article having a highly adhesive heat-sealable coating thereon comprising, on a weight basis, 100 parts of polyvinyl butyral, 15–60 parts of nitrocellulose, 5–50 parts of a plasticizer taken from the group consisting of butyl ricinoleate, tricresyl phosphate, dioctyl phthalate, dibutoxyethyl phthalate, triethylene glycol dihexoate, and glyceryl mono-oleate, and 1–25 parts of a phenol.

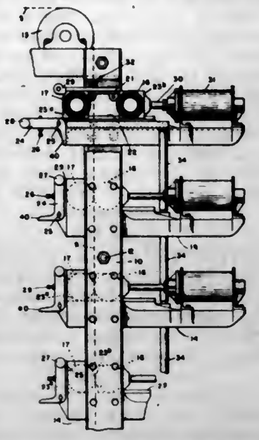
2,566,795
ROTOR WHEEL FOR CENTRIFUGAL PUMPS
Emile Egger, Cressier, Switzerland
Application December 18, 1947, Serial No. 792,553
In Switzerland December 20, 1946
6 Claims. (Cl. 103—115)



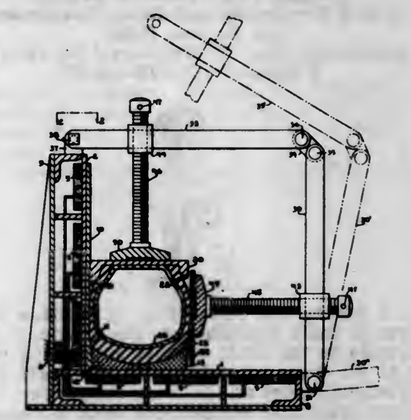
1. A rotor wheel for a centrifugal pump, comprising in combination, a first ring-shaped impeller disc having an internal surface composed of a substantially cylindrical surface delimiting an inlet opening, of a toroidal surface extending outwardly from said cylindrical surface and of a generally conical surface extending from said toroidal surface; a second impeller disc coaxial with said first impeller disc and being of approximately the same outer diameter as the said first impeller disc, said second impeller disc having an internal surface formed by a surface of revolution located at a distance from the internal surface of the first impeller disc and progressing towards said inlet as the radius of the surface of revolution decreases, said distance decreasing gradually from said inlet opening to approximately the transition of said toroidal surface into said generally conical surface, and increasing from approximately this transition towards the periphery of the wheel; and a relatively small number of impeller vanes rigidly fixed to both of said impeller discs, said vanes being strongly curved towards the rear with regard to the direction of rotation of the wheel and arranged with regard to one another with a negative overlap, each of said vanes having an inlet edge which, in extending from said toroidal surface to said second impeller disc, approaches the wheel axis, and said vanes having outlet edges located in the proximity of the outer periphery of said impeller discs.

2,566,796
TREATING ROLL MOUNTING AND ROLL DRIVE
John E. Erhardt, Jr., Baltimore, Md.
Original application November 16, 1945, Serial No. 629,029. Divided and this application May 25, 1949, Serial No. 95,744
3 Claims. (Cl. 91—18)

1. In an apparatus of the class described, means to move a strip in a predetermined path, a roll mounting extending transversely to said path at each edge of said path, a pair of rolls, each roll including bearing members supported on the respective mountings, each mounting including an upper and a lower slideway, each bearing member including upper and lower portions formed to engage said slideways, the upper slideways having a length sufficient to engage the bearing members when the rolls are in contact with the strip and the lower slideways having sufficient length to support and engage the bearing members when the latter are out of engagement with the upper slideways.

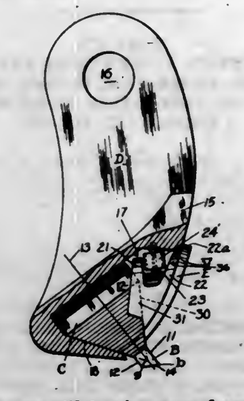


2,566,797
REPAIR MOLD
James C. Heintz, Lakewood, Ohio
Application November 19, 1948, Serial No. 60,977
6 Claims. (Cl. 18—18)



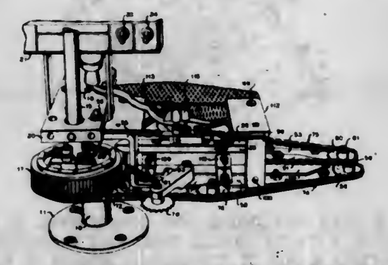
4. A mold for the repair of a tire, which includes a base plate and a side plate, heating means in the base plate and the side plate, matrices on the base plate and a sidewall plate standing on the base plate adjacent the side plate, a pivot at about the middle of the edge of the base plate opposite the side plate, which pivot is engaged with one end of two parallel slide bars of the same length and about the length of the height of the side plate, two other slide bars about the length of the base arranged in parallel relationship, one end of the last mentioned set of slide bars being pivotally engaged with the other end of the first mentioned slide bars, the opposite end of the second mentioned slide bars being engaged with means at the top of the side plate, a nut slidably mounted on each set of slide bars with a threaded opening perpendicular to the bars, and in each nut a bolt, one of said bolts being adapted to apply pressure toward the sidewall of a tire and capable of pressing a sidewall plate to the tire above the matrices, and the other bolt being adapted to apply pressure toward the beads of a tire.

2,566,798
SELF-SHARPENING CUTTER TIP FOR BEATER ARMS OF HAMMER MILLS
Joseph L. Hiller, Mattapoisett, Mass.
Application July 6, 1946, Serial No. 681,708
5 Claims. (Cl. 241—197)



2. A hammer mill beater arm having a recess, and a six-edge cutter tip adapted for retention in said recess in a plurality of different working positions, in each of which one such tip edge is operatively exposed, said cutter tip being constituted by a body which is basically and substantially of regular tetrahedral form, to provide by certain of the intersections of its four primary faces, four of said tip's cutting edges, said body along the zones of each of its other two face intersections having substantially parallel-sided extensions of appreciable thickness, occupying planes that stand substantially at right angles to each other, and each with its free outer end of chisel-shaped section, to provide said tip's two other working or cutting edges, said recess being channeled at its innermost portion to accommodate one of said extensions in the tip position which presents the other extension as a working or cutting edge.

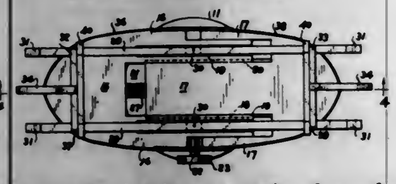
2,566,799
ROTARY SEALER
James M. Humphrey, New Richmond, Wis.
Application November 7, 1946, Serial No. 708,248
8 Claims. (Cl. 154—42)



1. In combination with a bag sealing machine having a pair of opposed sealing rollers and means for driving said rollers; automatic bag feeding means for said machine comprising a pair of arms mounted on said machine and extending outwardly therefrom at the level of said

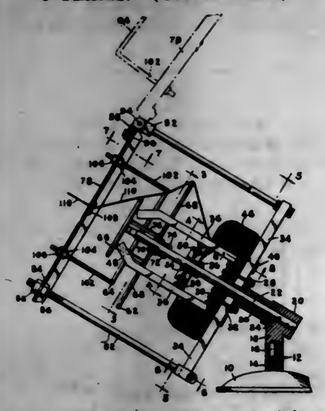
rollers; a sprocket on the outer end of each arm; a sprocket on the lower portion of each roller; a pair of endless chains each surrounding one roller sprocket and the sprocket at the outer end of the corresponding arm, the inner flights of said chains being parallel and opposed and driven at the same speed toward said rollers by said roller sprockets; and means carried by said arms guiding the inner flights of said chains and maintaining an adjusted pressure between said inner chain flights.

2,566,800
CENTER EXTENSION TABLE
Archie Hutcherson, Detroit, Mich.
Application June 9, 1948, Serial No. 32,001
1 Claim. (Cl. 311—42)



In combination, a base, a pair of co-planar platform elements slidably mounted upon said base in horizontal position, a pair of spaced longitudinally extending guide rails positioned above said platform elements and joined to said base in substantially parallel relation to said platform elements, upwardly extending stops upon the outer ends of said rails, and transverse bars carried by said platform elements, being positioned for cooperative sliding engagement with the top surfaces of said rails, the outward adjustment of said platform elements being limited by said bars engaging said stops.

2,566,801
WIRE UNWINDING REEL
A. O. Jackson and Clifford L. Jackson, Ferndale, Mich., assignors to Walker Wire Company, Ferndale, Mich., a corporation of Michigan
Application September 3, 1948, Serial No. 47,724
6 Claims. (Cl. 242—128)

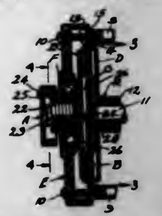


1. A wire unwinding reel comprising, in combination, a frame having means for receiving and supporting a coil of continuous length of wire, a member forming part of the frame and provided with an eye through which successive sections of the wire unwound from the coil are fed, said member in operating position being spaced from the plane of the coil with the eye thereof on substantially the axis of the coil, a series of ring-shaped elements of progressively different diameters from one end of the series to the other end thereof, means mounting the elements in the frame between the member and the coil in coaxial relation to the latter and in axially spaced apart relation to one another, said means disposing the end of the series having the largest element adjacent to the coil and the smallest element adjacent to said member, and means for providing movement of said member relative to the balance of the frame from said operating position to a position to one side of the frame.

2,566,802
ALUMINUM ARTICLES COATED WITH HEAT-SEALABLE COMPOSITION
Reginald G. Kennelly, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 10, 1948, Serial No. 48,761
5 Claims. (Cl. 117—122)

1. An aluminum article having a highly adhesive heat-sealable coating thereon comprising, on a weight basis, 100 parts of polyvinylbutyral, 15–60 parts of nitrocellulose, 5–50 parts of a plasticizer taken from the group consisting of butyl ricinoleate, tricresyl phosphate, dioctyl phthalate, triethylene glycol dihexoate, dibutoxyethyl phthalate, and glyceryl mono-oleate and 2–40 parts of a phenol-formaldehyde resin.

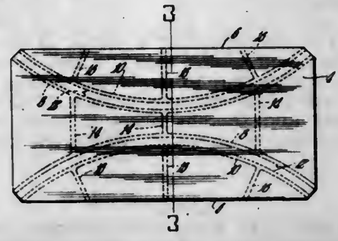
2,566,803
BRAKE FOR FISHING REELS
Arthur Kovalovsky and Oscar Kovalovsky, Los Angeles, Calif.
Application May 12, 1947, Serial No. 747,415
3 Claims. (Cl. 242—84.7)



1. A fishing reel comprising: a frame, a crank operated shaft rotatable on the frame, a spool rotatable on the shaft, a brake supporting member at all times rotatable with the shaft, shoes pivotally mounted on the brake supporting member for frictional engagement with a flange of the spool, radially separable and extensible members normally having their inner adjacent ends abutting and their outer ends engaging the inner edges of said shoes while the brake is inoperative, the inner ends of said extensible members being spheroidally formed, an adjuster carried by the brake supporting member, and a spherical element confined between the adjuster and adjacent ends of the said radially extensible members for urging the latter outwardly to spool braking position when the adjuster is operated.

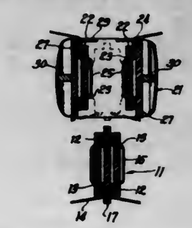
2,566,804
HOLDING DEVICE
Alderic W. La Flamme and Emanuel Goldstein, Springfield, Mass.
Application October 22, 1947, Serial No. 781,474
2 Claims. (Cl. 220—90)

1. A unitary rigid device for holding the upper cylindrical rims of cylindrical ice cream containers and the like in adjacency against separation comprising in combination, an upper imperforate plate for resting on rims of adjacent containers having opposite and adjacent longitudinal and transverse scraping edges, two pairs of outer and inner flanges depending from the underside of said plate and the flanges of said pairs being spaced apart to provide rim receiving grooves, the pairs of flanges having intermediate portions in adjacency intermediate opposite sides



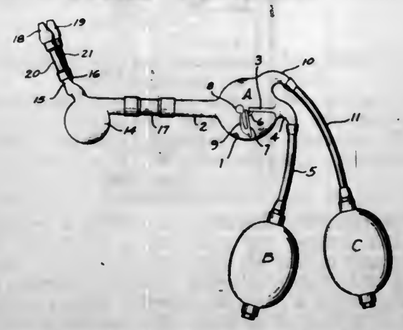
and ends of the plate and curving away from one another in the arc of a circle to the jointure of said side and end edges of the plate whereby the grooves formed by said flanges are adapted to receive adjacent portions of the circular rims of adjacent containers and longitudinal portions of said plate extend outwardly beyond intermediate portions of the outer flanges of the pairs thereof, reinforcing ribs connecting said inner flanges of the pairs thereof and said plate, and other ribs connecting said outer flanges and said plate.

2,566,805
MULTIPLE CONNECTOR
Edward J. Lavander, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to Henry Posner and one-half to Richard P. Posner
Application December 4, 1948, Serial No. 63,543
6 Claims. (Cl. 173—328)



1. A multiple connector comprising a plug assembly and a jack assembly, said jack assembly comprising a receptacle for said plug assembly, each of said assemblies including a sheet of insulating material, a plurality of elongated sheetlike contact members, each having an intermediate portion and end portions, said contact members extending through pairs of openings in said sheet, said end portions of each of said members being bent to extend along one surface of said sheet, and said intermediate portion of each of said members extending alongside and approximately parallel to the opposite surface of said sheet, and a second sheet of insulating material substantially parallel to and closely spaced with respect to said first-mentioned sheet and lying alongside said one surface of said first-mentioned sheet to confine said end portions of said contact elements.

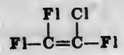
2,566,806
COMBINED ATOMIZER AND SUCTION DEVICE
Hugh A. Miller, Bay Shore, N. Y., assignor to A. C. Bonebrake and J. Warren Smith, copartners, doing business as Vaponefrin Company, Upper Darby, Pa.
Application April 9, 1949, Serial No. 86,580
2 Claims. (Cl. 128—173)



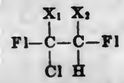
1. An atomizer of the class described comprising a container, a discharge neck radiating from the container, an air injection nozzle extending inwardly into the container in direct alignment with said neck, a capillary tube connected to said air injection nozzle and angularly disposed in relation therewith, with its upper end in contiguous relation with the discharge end of the air injection nozzle, an air intake nipple surrounding the air injection nozzle and extending from the container, a rubber bulb secured to said nipple, a one way valve secured to said bulb, said bulb and valve adapted to force compressed air into said container, and means secured to said container and communicating with the interior thereof for creating a negative pressure within said container, said means comprising a rubber bulb with its spherically actuated valves reversed.

2,566,807
METHOD OF PREPARING CHLOROFLUOROETHYLENES
John J. Padbury, Stamford, Conn., and Paul Tarrant, Alachua County, Fla., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 23, 1947, Serial No. 743,466
3 Claims. (Cl. 260—653)

1. In the manufacture of chlorotrifluoroethylene having the formula

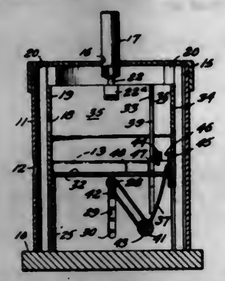


from dichlorotrifluoroethanes having the formula



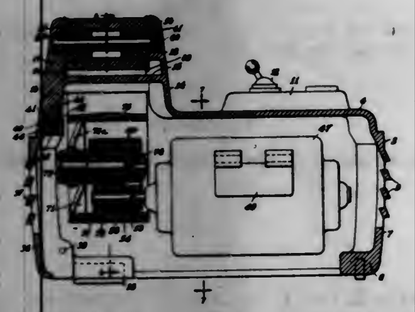
wherein X_1 and X_2 are substituents selected from the class consisting of fluorine and chlorine, the new and improved method which comprises heating said dichlorotrifluoroethanes to a temperature between 525° C. and 800° C. until thermal dehydrochlorination is effected, and separating the chlorotrifluoroethylene from the resulting mass so obtained.

2,566,808
CIGARETTE DISPENSER
Bernard L. Petty, Fairlington, Va.
Application January 17, 1949, Serial No. 71,291
3 Claims. (Cl. 312—77)



1. A cigarette dispenser including a vertically movable hopper for receiving a supply of cigarettes and having an opening in an upper portion of an end thereof through which a cigarette may be dispensed, a selector pedestal having a longitudinal trough in its upper end providing the bottom of the hopper when the hopper is in an elevated position and into which trough a cigarette will roll, spring supporting the hopper in said upper position but yieldable to the depressing of the hopper downwardly over the pedestal until the opening in the end thereof is in line with the trough, said trough in the top of the pedestal having a longitudinal slot in the end thereof remote from the opening in the end of the hopper, a spring projecting upwardly in the remote end of said slot in the trough of the pedestal, means for stressing said spring to move forwardly in said slots when the hopper is depressed, and means for releasing the spring in its stressed condition as the opening in the hopper comes into alignment with the trough in the pedestal so that the cigarette in the trough will be ejected through the opening in the end of the hopper by the sudden release of the spring.

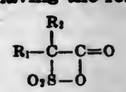
2,566,809
KNIFE SHARPENER
Roger E. Risley and Paul B. Scharf, Bradford, Pa., assignors to Dresser Industries, Inc., Cleveland, Ohio, a corporation of Pennsylvania
Application October 31, 1947, Serial No. 783,374
7 Claims. (Cl. 51—148)



7. In a grinding machine the combination of a housing having side and top walls; an idler pulley rotatably supported on said housing, a floating pulley disposed below the idler pulley and inside the housing, means for rotatably supporting the floating pulley for rotation about an axis which is parallel to the axis of the idler pulley and is movable laterally toward and away from the idler pulley while maintaining said parallel relationship, said floating pulley having a peripheral rim portion, an abrasive belt running over the said pulleys, a motor having a rotating shaft parallel to and offset from the axis of the floating pulley, a driving wheel on said motor shaft and engaging the inner surface of the peripheral rim of the floating pulley, and means for movably mounting the motor in the housing, said mounting means providing for bodily movement of the motor in a direction having a component that is radial of the floating pulley, said motor being biased to tend to move in a direction to press the driving wheel against the peripheral rim portion of the floating pulley and thereby exert a force on said pulley tending to move it away from the idler pulley.

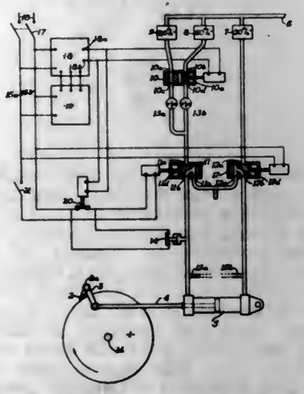
2,566,810
SULFOACETIC ACID ANHYDRIDES AND METHODS FOR THEIR PREPARATION
Curtis W. Smith, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 26, 1950, Serial No. 158,340
5 Claims. (Cl. 260—327)

4. A compound having the formula



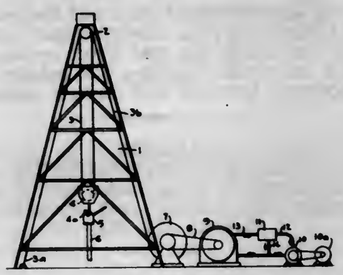
wherein R_1 and R_2 are selected from the group consisting of the hydrogen atom and the alkyl, aryl, alkaryl, aralkyl and cycloaliphatic hydrocarbon radicals.

2,566,811
DOCTOR BLADE PRESSURE CONTROL SYSTEM AND METHOD
Gustie Stevenson, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, a corporation of Pennsylvania
Application May 17, 1949, Serial No. 93,809
9 Claims. (Cl. 134—6)



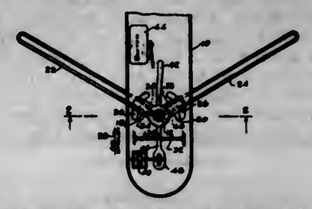
1. A pressure control system for a doctor blade associated with a rotary drum comprising a double-acting fluid-pressure actuated cylinder connected to said blade to move the blade towards and away from said drum, a source of fluid under pressure, means energizing said cylinder from said source to press said blade against said drum with a predetermined pressure, and means acting periodically at regular intervals for reducing said pressure to a lower value while maintaining said blade in contact with said drum.

2,566,812
DRILLING WEIGHT CONTROL SYSTEM
Alphons G. H. Straatman, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 12, 1950, Serial No. 155,387
In the Netherlands April 21, 1949
5 Claims. (Cl. 254—173)



1. A speed-control system for a cable drum driven by the weight of a drill string supported thereby, said control system comprising a first pump driven by the rotation of said drum, a second pump, a prime mover for the second pump, a closed fluid circuit, the high pressure side of said circuit being connected to the exhaust sides of said pumps in parallel and the low pressure side of said circuit being connected to the intake sides of said pumps in parallel, variable orifice valve means connected in said circuit between the high and the low sides thereof to maintain a back pressure on the first pump opposing the weight responsive rotation of said drum, weighted pilot valve means responsive to increases and decreases of pressure on the high side of said circuit for increasing and decreasing the orifice of said first valve means, and means continuously actuating said pilot valve for periodically increasing said orifice by small amounts.

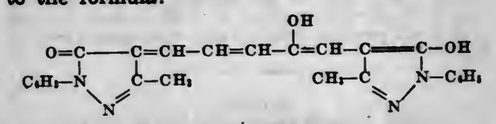
2,566,813
ICE WARNING INDICATOR
Ole Iver Thorsen, Inglewood, Calif., assignor to Wright Aeronautical Corporation, a corporation of New York
Application December 1, 1949, Serial No. 130,550
6 Claims. (Cl. 177—311)



1. In an anti-icing system for aircraft; a pivotally mounted member, said member having first and second portions disposed for air flow thereover such that the turning moment exerted on said member by the aerodynamic drag force on said first portion opposes the turning moment exerted on said member by the aerodynamic drag force on said second portion; and means for heating said first portion to a temperature above that of said second portion so that when icing conditions exist in the air flowing over said portions ice accumulates to a greater extent on said second portion and the resulting increase in the aerodynamic drag force on said second portion relative to that on said first portion causes rotative movement of said member whereby said rotative movement is indicative of icing conditions in said air.

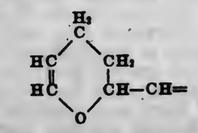
2,566,814
COLORED PHOTOGRAPHIC LAYERS AND THEIR MANUFACTURE
André Emile Van Dormael, Heverlee-Louvain, and Laurent Aloys Van Der Auwera, Mortsel-Antwerp, Belgium, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium, a company of Belgium
No Drawing. Application September 23, 1947, Serial No. 775,742. In Great Britain September 27, 1946
4 Claims. (Cl. 95—8)

1. A non-halation photographic element comprising a glass support, a light-sensitive silver halide emulsion layer on one face thereof, and a layer on the other face of said support, the latter layer consisting of the dyestuff according to the formula:



2,566,815
EPOXY-HEXENYLIDENE IMINES AND INSECTICIDAL COMPOSITIONS THEREOF
Richard R. Whetstone, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 16, 1947, Serial No. 769,065
16 Claims. (Cl. 260—240)

14. An insecticidal composition comprising at least one material of the group consisting of (*a*) an imine wherein the imino nitrogen atom is attached by a double bond to the 2,6-epoxy-5-hexenylidene radical said radical having the structural formula

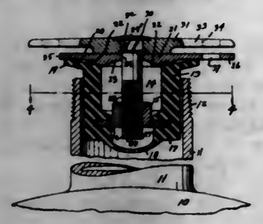


and by a univalent bond to an aryl group and (*b*) the dimer of said imine, and a carrier therefor, said dimer being that product that forms by spontaneous polymerization of said imine and having when purified the same empirical formula as said imine and a molecular weight substantially twice that of said imine.

2,566,816
EXPANSIBLE PLUG CLOSURE
Worth H. Work, Portland, Oreg.
Application October 20, 1948, Serial No. 55,463
1 Claim. (Cl. 220—24.5)

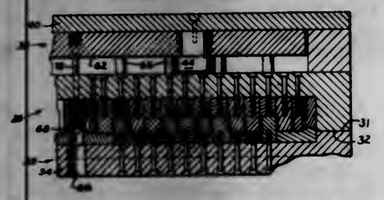
A closure for filler pipes on oil storage tanks comprising a cylindrical resilient plug having a large central recess formed therein extending along the major portion of its length, closed at one end having the other end flared outwardly to form a flange, a nut having a flange imbedded

in said closed end, a spreading washer engaging said flanged end, the under side of said spreading washer having an annular ring formed thereon, the two sides of which slope downwardly, the outer side of which slopes more than does the sloping portion of the plug flange, said outer sloping side covering the wall of said plug, the outermost portion of the spreading washer lying in a plane normal to the plug axis, said washer



having a perforated lug projecting from its rim, a hand wheel resting on said washer having a screw secured therein passing through said spreading washer and nut into space between said nut and the closed end of the plug, the ends of said screw having a head within said space, said hand wheel having perforated spokes registering with the perforation in said washer lug and a padlock passing through said spokes and washer lug.

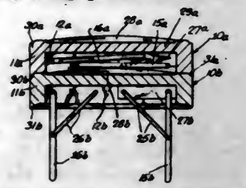
2,566,817
MOLD FOR MAKING PLASTIC GRIDS
Edward Yellin, Chicago, Ill., assignor, by mesne assignments, to Leader Electric Company, Chicago, Ill., a corporation of Illinois
Application December 9, 1948, Serial No. 64,353
10 Claims. (Cl. 18—42)



1. A mold for forming an integral plastic light diffusion grid having its walls of substantially uniform thickness and each lying generally perpendicular to the plane of said grid, said mold having inlet means for introducing plastic material thereinto, said mold comprising the combination of fixed and movable mold impression members having unequal numbers of generally rectangular mold blocks, each of the latter being spaced for defining one of the interstices of the grid, said blocks on one of said impression members being arranged in a pattern complementary with that of said blocks on another of said impression members, and a stripper plate carried by said member having the greater number of said blocks, said plate having a face area substantially coextensive with the pattern of the blocks of said impression member having the lesser number of said blocks.

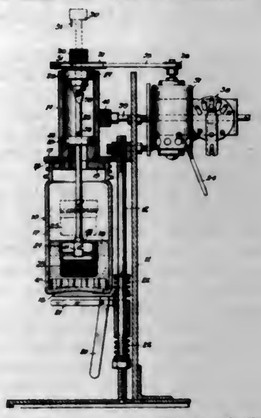
2,566,818
MULTIPURPOSE FURNITURE
David Babit, New York, N. Y.
Application February 10, 1950, Serial No. 143,577
7 Claims. (Cl. 155—2)

1. A hassock composed of a plurality of stacked seating devices, each of said seating devices being provided at its underside with a recess and with a set of legs attached thereto at said underside, said legs being retracted into said recess and extendable therefrom, each of said seating devices further having a top provided with a raised por-



tion, the said recess of each but the lowest one of said seating devices receiving said raised portion of the top of the next lower seating device, thereby preventing substantial relative lateral displacement between said seating devices.

2,566,819
WATCH CLEANING DEVICE
Alexander Baltsois, Springfield, Mass.
Application September 13, 1947, Serial No. 773,773
3 Claims. (Cl. 134—135)

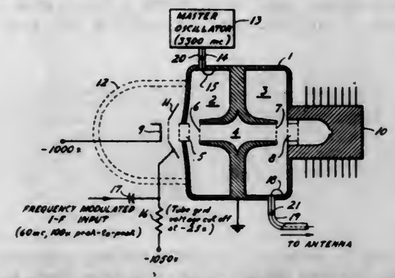


1. A watch cleaning machine of the type described including a frame, a fluid container, and a cylindrical housing, a vertical rod secured to said frame, said housing secured to said frame and being equipped with a depending flange, an adjustable support platform resiliently mounted on said rod, said container having its base resting on said platform and its open end positioned around said flange, a vertical shaft centrally positioned in said housing with its lower end terminating in said container and its upper end projecting above said housing, a circular mesh basket attached to the lower end of said shaft, a knob with a driving pin positioned on the upper end of said shaft, a driving pulley drivingly connected to said shaft through said pin, and motor means for rotating said pulley and shaft causing said basket to be rotated in said fluid.

2,566,820
SIGNAL MIXING SYSTEM
William E. Bradley, Springfield Township, Montgomery County, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 22, 1947, Serial No. 770,065
4 Claims. (Cl. 332—7)

1. In a signal mixing system, an evacuated drift space for electrically charged particles,

means for creating a flow of electrically charged particles in said drift space, means for cutting off said flow during time-spaced intervals recurrent at a relatively low frequency and of relatively long duration compared to the intervening intervals when said flow is not cut off, means for modulating at a relatively high frequency the



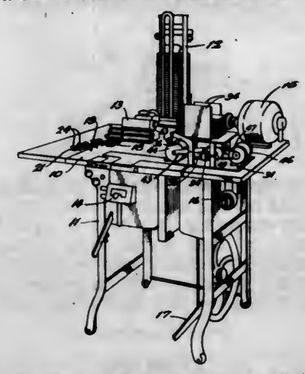
velocities of particles in a first region of said drift space, whereby to produce in a second region of said drift space a current comprising a sideband modulation component of said low and high frequencies, and means principally responsive to said component for abstracting energy from said current.

2,566,821
POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS IN AQUEOUS EMULSION IN THE PRESENCE OF A FERRICYANIDE, A DIAZOMERCAPTO COMPOUND, AND AN ALCOHOL
Harold P. Brown, Akron, Ohio, and Robert J. Houston, Fairfax, Calif., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 3, 1947, Serial No. 789,560
9 Claims. (Cl. 260—84.1)

1. The process which comprises polymerizing a monomeric material comprising a butadiene-1,3 hydrocarbon in aqueous emulsion at a temperature of from 10 to 100° C. and in the presence of (1) a diazomercapto compound of the general structure Ar—N=N—S—R wherein Ar is a monovalent aromatic radical having its valence on a nuclear carbon atom and R is a monovalent organic radical having its connecting valence on a carbon atom and derived by removing the (SH)-group from an organic mercaptan selected from the class consisting of aliphatic, aromatic and heterocyclic mercaptans, (2) a liquid water-miscible aliphatic alcohol composed exclusively of carbon, hydrogen and oxy-oxygen atoms in catalytic amounts ranging from as little as one % to as much as twenty-five % by weight based on the total monomeric material, and (3) a water-soluble ferricyanide.

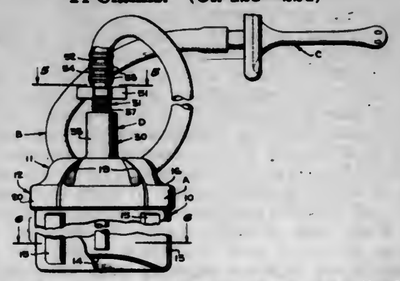
2,566,822
FEEDING ATTACHMENT FOR ADDRESSING MACHINES
Thomas F. Cahill, Chicago, Ill.
Application November 29, 1947, Serial No. 788,786
7 Claims. (Cl. 271—10)

4. A feeding attachment for an addressing machine comprising a vertical magazine to hold a stack of sheets to be addressed, an elongated supporting finger extending across the bottom of the magazine from back to front thereof to support the sheets and spaced below the front of the magazine so that a sheet can pass between the finger and the front of the magazine, a rotatable feed roller below the magazine adjacent the front thereof and having a groove therein to receive the finger, means mounting the feed roller for vertical movement toward and away from the bottom of the magazine, a stop unit adapted to be mounted on an addressing machine spaced from the feed roller, a pivoted shaft on the stop unit, stop fingers carried by the shaft to engage and stop a sheet and to be raised when the shaft



is rocked, a control arm on the shaft to be engaged by a part on the addressing machine thereby to rock the shaft at the end of an addressing operation, an ejector scoop adjacent the roller movable toward the stop unit, a solenoid connected to the scoop to move it, a solenoid connected to the feed roller to raise it, and switch means operated by rocking of the shafts to energize the solenoids.

2,566,823
PRESSURE TYPE IRRIGATING APPARATUS
Joseph V. Cariffe, San Marino, Calif.; by decree of distribution to Eleanor E. Cariffe
Application May 12, 1947, Serial No. 747,473
14 Claims. (Cl. 128—224)

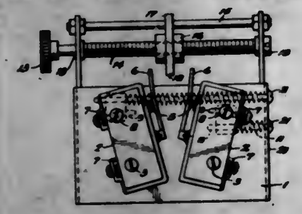


1. A structure of the character described including, a gas generator, a conduit carrying an applicator, a control mechanism coupling the conduit to the generator and including two relatively movable parts, one releasably engaged with the generator, the control being operable to control flow from the generator to the conduit, and a syphon tube within the generator carried by one of said parts and depending from the control mechanism into the generator.

2,566,824
LIMIT SWITCH
Gale K. Carlson, Dixon, Ill.
Application October 28, 1950, Serial No. 192,677
4 Claims. (Cl. 200—47)

1. In a switch mechanism characterized by an operating nut traveling on a rotatable threaded

shaft, a frame with two blocks pivotally mounted thereon over arcuate slots in said frame, switches including movable contact arms secured to said blocks, said arms positioned to engage said operating nut when said nut has traveled a predetermined distance in either direction, dogs secured



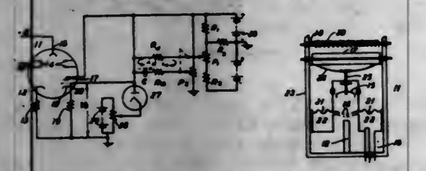
to said blocks by pins through said slots, and adjusting rods having a compression spring thereon threadedly engaging said dogs, said rods extending outside of said frame, and terminating in turning means, whereby said rods can be turned and thereby position said movable contacts to limit the travel of said operating nut.

2,566,825

TUNING CONTROL FOR THERMALLY TUNED DEVICES OR OSCILLATORS

Elmo E. Crump, West Caldwell, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 11, 1949, Serial No. 70,223
9 Claims. (Cl. 250—36)



1. In combination with a voltage controlled device having an inherent time lag in its response characteristic, a source of direct-current voltage, variable means connected to said source to derive a direct voltage therefrom, means to apply said derived direct voltage to said device, anticipator means connected to said source of decrease said time lag comprising variable resistance in a circuit with capacitance, means constrained to operate as a consequence of the operation of said variable means to vary said resistance and thereby produce a transient direct voltage when said variable means is operated, and means to apply said transient voltage to said device in an additive relation with said derived direct voltage to decrease said time lag.

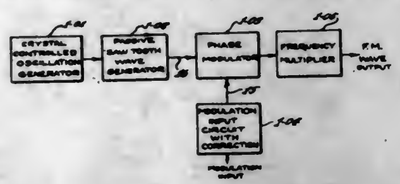
2,566,826

SAWTOOTH FREQUENCY MODULATOR

James R. Day, Peconic, N. Y.

Application February 3, 1948, Serial No. 5,988
17 Claims. (Cl. 332—9)

1. The method of employing an electron discharge device having an anode, a cathode, and a control grid to produce a frequency modulated wave in response to a signal wave voltage, said method comprising attenuating the components of the signal voltage in proportion to their frequency to produce a corrected signal voltage, producing a sawtooth wave having a voltage which is relatively large with respect to the grid-cathode voltage required to change the anode current from negative grid cut-off to positive grid limitation, each sawtooth of said sawtooth wave having an extended slope of accurate linearity, applying said relatively large sawtooth voltage between the grid and cathode to produce anode current in response to the sawtooth voltage at a point substantially midway of the accurately linear slope thereof in the absence of signal voltage and to produce positive grid truncation of the sawtooth voltage on the grid and



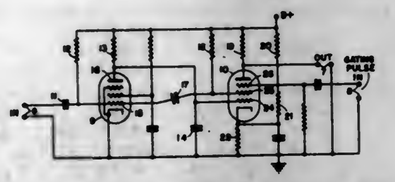
thereby to produce positive grid limitation of the anode current shortly after anode current is produced in response to the sawtooth voltage, varying in accordance with said corrected signal voltage the point on said accurately linear slope at which the sawtooth voltage produces anode current, and deriving the desired frequency modulated wave from the resulting anode current pulses.

2,566,827

PULSE LENGTHENING CIRCUIT

Walter N. Dean, Larchmont, and Leonard P. Mautner, Bronx, N. Y., assignors, by direct and mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application June 24, 1946, Serial No. 678,784
4 Claims. (Cl. 250—27)



1. A pulse lengthening circuit comprising, a first vacuum tube biased in a normally conducting state and having at least anode, cathode, and control grid electrodes, a signal input terminal connected to said control grid, an energy supply source having positive and negative terminals, a first condenser connected between the anode of said first tube and said negative terminal, a first resistance connected between the anode of said first tube and said positive terminal, a second vacuum tube biased in a normally non-conducting state and having a control grid connected to the anode of said first tube, said first condenser and resistor being selected to provide a time constant that raises the control grid of said second tube to cut-off when negative pulses at said input terminal hold said first tube non-conducting for a predetermined period, a second resistance connected between said positive terminal and said second tube for supplying current thereto, and a second condenser coupling the tube end of said second resistor to the control grid of said first tube, said second condenser and resistor being selected to provide a time constant that holds said first tube non-conducting for a predetermined period of time in response to the initiation of conduction in said second tube.

2,566,828

CERAMICALLY BONDED DIAMOND ABRASIVE PRODUCTS

Sidney Reed De Laney, Rutherford, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

No Drawing. Application May 17, 1947, Serial No. 748,837
6 Claims. (Cl. 51—308)

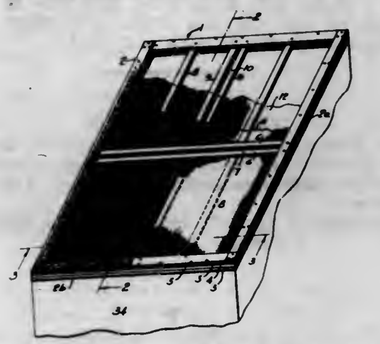
1. A diamond abrasive product comprising diamond abrasive particles and a ceramic bond therefor matured at a temperature below the graphitization temperature of the diamond abrasive particles, said ceramic bond comprising two bond portions, namely, a vitrified fused hard glass portion consisting of a lead oxide-boron glass and an unvitrified silica portion selected from the group consisting of kaolin, feldspar, quartz, magnesium silicate, and asbestos, the boron component of the fused hard glass portion, the lead oxide component of the fused hard glass portion and the unvitrified silica portion component being in the following general proportions by weight 24%:46%:30% with each component being variable in amount with reference to the other two said components of from 10% to 60%, said unvitrified bond portion forming a matrix for said vitrified portion and the abrasive particles, and said vitrified portion being adhered to the unvitrified portion and the abrasive particles.

2,566,829

PROPOLIS CULTURE

Lloyd V. France, Platteville, Wis.

Original application April 27, 1946, Serial No. 665,410. Divided and this application April 15, 1950, Serial No. 156,126
6 Claims. (Cl. 6—12)



1. In combination with a bee hive, a device for propolis obtention mountable within the hive comprising a foraminous sheet, a framing for retention of said sheet and its placement in superposition over a wall in the hive and in separation from said wall by a distance of less than a bee space, for inducing the bees to fill said space with propolis, and said device being removable from the hive for clearing it of its accumulated propolis.

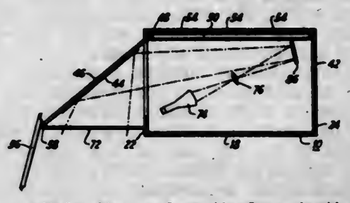
2,566,830

CABINET FOR TELEVISION RECEIVERS

Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application October 12, 1946, Serial No. 703,081
11 Claims. (Cl. 178—7.5)

11. A housing adapted to enclose a television receiver of the projection type comprising in combination a chamber defined by four vertical walls, a top and a bottom, a first opening in one vertical wall, a second opening in a vertical wall opposite said first vertical wall, a demountable base plate mounted on the bottom of said chamber, said base plate being adapted to support a projection type kinescope and a lens for projecting the image formed by said kinescope, the dimensions of said base plate being such that it may pass through one of said openings, horizontal guides mounted on another vertical wall, a



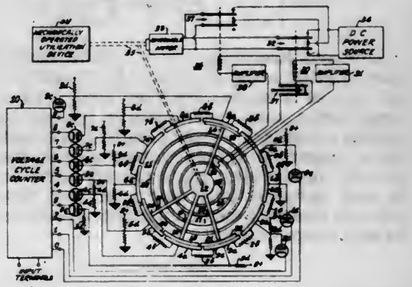
panel, oppositely disposed vertical projections on one edge of said panel, said projections being adapted to be rotatably and slidably received by said guide members so that said panel may be retracted into said chamber, a hinge adapted to rotate about a vertical axis mounted near the vertical edge of said panel that is remote from said projections, a closure door mounted on said hinge for rotation about a vertical axis, and a translucent screen mounted on said hinge for rotation, said screen being between said closure door and said panel.

2,566,831

ELECTRONIC COUNTER

Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

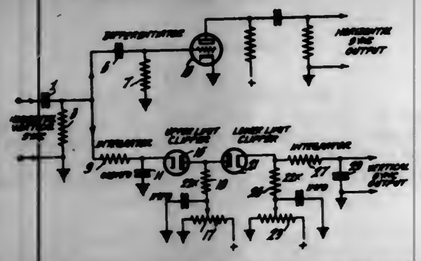
Application February 1, 1949, Serial No. 73,884
10 Claims. (Cl. 318—33)



8. A selector switch arrangement comprising a loop of series-connected alternately-occurring contacts and resistors, the contacts being placed side by side in a circle and the resistors all having substantially the same value, an electronic voltage-cycle counter which comprises an input circuit and as many output terminals as the number of said contacts and is responsive to a number of cycles of input voltage to produce a predetermined marking potential on a particular one of said output terminals which corresponds to that number and also to produce other potentials on the other output terminals, said marking potential being distinguishable from said other potentials by the fact that its magnitude and theirs have opposite relationships to the magnitude of a reference potential, an individual circuit connecting each of said output terminals to one of said contacts, each individual circuit

including in series a diode and a means for biasing one of the electrodes of the diode to said reference potential, the diode and biasing means of any individual circuit being arranged in it so that the diode will be cut off when any of said other potentials is applied to its output-terminal end, but will pass current when said marking potential is applied thereto, said biasing means including a group of second resistors each of which is equal in resistance value to all the others and is connected between a respective one of said contacts and ground, a pair of selector brushes rotatably carried within the circle with angular separation so that they respectively engage non-adjacent ones of said contacts, and means responsive when the counter circuit applies a marking potential to one of said contacts for rotating the brushes in unison to hunt in either direction around the circle of contacts toward a position where one of them is on one side of the marked contact and is angularly distant therefrom by one half of said angular separation and the other is on its opposite side.

2,566,832
SYNCHRONIZING CIRCUIT
Gustave Louis Grundmann, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 18, 1946, Serial No. 716,893
10 Claims. (Cl. 178—69.5)



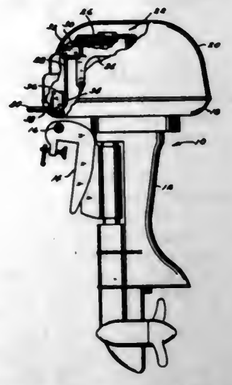
1. A synchronizing signal circuit comprising in combination a signal clipper for passing only that portion of a signal between two predetermined amplitudes, said signal clipper having input and output circuits, a signal integration circuit adapted to receive a synchronizing signal, the output of said signal integration circuit being connected to said input circuit, and a second signal integration circuit having its input circuit connected to said output circuit.

2,566,833
HOSE FOR IRRIGATING PURPOSES
James J. Healy, New York, N. Y.
Application February 1, 1950, Serial No. 141,782
9 Claims. (Cl. 299—104)



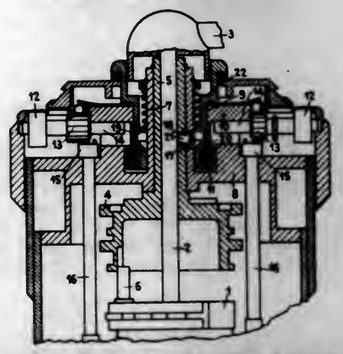
1. A soil irrigating device consisting of flexible material impervious to liquid, said material forming a lengthwise liquid feed passage and a lengthwise liquid distributing chamber, said feed passage having an inlet end and outlets communicating with the distributing chamber, and said material having a multiplicity of liquid discharge orifices communicating with the distributing chamber.

2,566,834
MANUALLY OPERATED STARTING DEVICE FOR OUTBOARD MOTORS
Richard C. Heidner, Hartford, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application January 26, 1950, Serial No. 140,705
7 Claims. (Cl. 123—185)



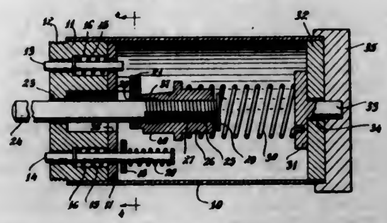
1. In an outboard motor having a mounting bracket to which said motor is pivoted by a horizontal pivot, a starting device at the upper end of said motor, a pull rope extending from said device, and a direction changer having a rope-engaging portion for directing said rope first downwardly of said device and a second rope-engaging portion for directing said rope outwardly of said motor, said second portion being positioned closely adjacent said pivot whereby the moment of force tending to rock said outboard motor about said pivot when said rope is pulled to operate said starting device is reduced to an amount ineffective to rock said motor.

2,566,835
LOCKING DEVICE
Curt Herzstark, Mauren, Liechtenstein, assignor to Contina Bureaux- und Rechenmaschinenfabrik Aktiengesellschaft, Mauren, Liechtenstein
Application April 27, 1950, Serial No. 158,428
7 Claims. (Cl. 235—144)



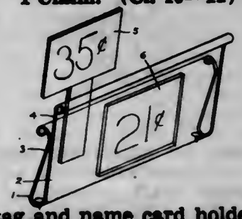
1. A locking device for the operating crank of a miniature calculating machine having a centrally arranged rotatable drive element and circularly arranged transmission members which are adapted to be disconnected from the drive element by axial displacement, comprising a body member, and a locking element movably mounted in said body member, said locking element being selectively influenced by said drive element and said transmission members, said locking element being influenced upon disconnection of said transmission members to lock said drive element against rotation with respect to said body member and being influenced by said drive element to prevent disconnection of said transmission members when said drive element has been moved away from a predetermined position.

2,566,836
ALARM SWITCH FOR LOCKS
Jamie Georg Hofler, Copenhagen, Denmark
Application August 5, 1947, Serial No. 766,233
In Denmark June 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 8, 1966
12 Claims. (Cl. 200—55)



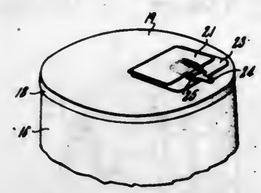
1. An alarm device adapted to be mounted on the inner side of a lock comprising a longitudinally slidable pin adapted to project outwardly into the key hole of said lock, said pin being displaceable inwardly upon insertion of a key into said key hole; a pair of contacts adapted to engage one another to close the alarm circuit; a spring constantly urging said pin outwardly; and adjustable transmission means actuated by displacement of said pin and adapted to control the engagement of said contacts, said transmission means being adjustable into at least two positions, said transmission means in one of said positions effecting engagement of said contacts upon the first displacement of said pin, and in another of said positions maintaining said contacts out of engagement during the first displacement of said pin and effecting engagement of said contacts upon the second displacement of said pin.

2,566,837
PRICE TAG AND NAME CARD HOLDER
Walter E. Huelsmeyer, Quincy, Ill.
Application November 26, 1946, Serial No. 712,373
1 Claim. (Cl. 40—11)



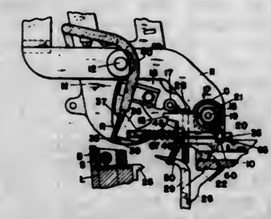
A price tag and name card holder comprising a piece of flexible sheet material having a front wall, an integral base portion as support means, an integral resilient backing member, in a plane intersecting said front wall, curved to normally exert a resilient clamping pressure against the back of said front wall of the holder, the front wall being higher than the backing member, a tongue struck of the backing member and formed to lie in the same plane as the base.

2,566,838
CLOSURE FOR LIQUID CONTAINERS
Victor H. Hart, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 23, 1949, Serial No. 111,807
1 Claim. (Cl. 150—8)



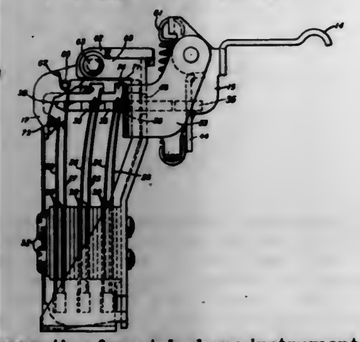
A liquid-tight container adapted to fit the interior of a protecting casing and having an integral body and heads of non-metallic material, the container having attached thereto a liquid-tight closure comprising a normally flat flexible tube and a relatively flat pocket having an opening along one edge thereof secured to an outer surface of a wall of the container so that it overlies a substantial portion of the tube, and said tube being attached to the container at a point within the pocket spaced laterally from said opening so that it extends substantially perpendicular thereto into the pocket and then bends laterally to pass out of the pocket and is adapted to be folded repeatedly upon itself and tucked into the pocket.

2,566,839
YIELDABLE PNEUMATIC THREAD REMOVER FOR LOOMS
Alexander C. Krukonis, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 25, 1950, Serial No. 151,857
6 Claims. (Cl. 139—256)



1. In pneumatic thread remover mechanism for a loom having a bobbin transferrer arm and a supporting stud therefor, a carrier mounted for angular movement on the stud and moved from normal position to pick-up position by the transferrer arm, a thread remover including an elongated member, means mounting the member for pivotal movement with respect to the carrier, a guide for the member on the carrier capable of guiding the member for movement relatively to the carrier in a direction opposite to that in which the carrier moves when moving toward pick-up position, and resilient means normally holding the member in normal position with respect to the carrier but yielding to permit movement of the member relatively to the carrier in said opposite direction when the remover engages a misplaced shuttle as the carrier moves toward pick-up position.

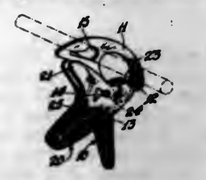
2,566,840
SWITCH FOR TELEPHONE SUBSTATION SETS
Charles L. Krumreich, North Arlington, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1948, Serial No. 49,570
6 Claims. (Cl. 179—100)



1. A mounting for a telephone instrument comprising a housing having a cradle portion for removably supporting the instrument, actuating members extending from within the housing through the cradle portion, a bracket mounted in the housing carrying a rotatable coupling member engaging the actuating members within the housing and a spring enforcing such engagement, the coupling member being rotated in one or in the opposite sense as the instrument is supported or removed, respectively, and being provided with an apertured wing adapted to limit the rotation of the coupling member in the one sense, a switch assembly mounted in the bracket comprising a set of operating and a set of mating leaf contact springs individually supported at one end by the bracket and establishing at their free ends when the instrument is supported in the cradle a desired arrangement of closed and of opened contacts, certain springs of each set being bifurcated at their free ends to form thereat receiving apertures, a fixed member supported at its one end by the bracket and engaging at its other end one of the mating springs, said fixed member having unequally long notches at intervals of its length to receive and provide stopping surfaces for others of the mating springs, and an operating member extending freely through the wing, the bracket and the receiving apertures of at least the operating leaf springs, the operating member being adapted to be drawn outwardly of the bracket when the instrument is removed and having at and intermediate its ends a plurality of unequally spaced transverse ears of which one engages one of the operating leaves and the others engage sequentially the wing and the remaining operating leaves when the coupling member is rotated in the opposite sense thereby in the desired sequence modifying the arrangement of closed and opened contacts.

2,566,841
CLOTHES CLAMP
Joseph J. La Duca, Newark, N. J.
Application June 2, 1948, Serial No. 30,925
2 Claims. (Cl. 24—137)

1. A clothes clamp comprising a central member, said central member comprising an elongated member and a hook-like member integrally joined to one end of said elongated member, said elongated member having a pair of openings therein, one of said openings being of generally triangular shape and the other of generally L shape, said elongated member having an opening through the end where the said elongated member and the said hook-like member are joined and remote from the free end of said hook-like member to accommodate a clothes line, a pair of similar elements, said central member located between said similar elements, and means secured to said similar elements and extending through said triangular and L shaped openings

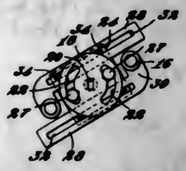


and cooperating therewith when disposed at predetermined closed ends of said openings to maintain the hook-like member of said central member in inoperative position away from said similar elements, said similar elements and said means being movable in unison with respect to said central member to dispose said means at predetermined other closed ends of said openings to maintain said hook-like member in operative position adjacent said similar elements to clamp an element between said hook-like member and said similar members.

2,566,842
STARCH COMPOSITION
Chester Grey Landes, New Canaan, and John Studeny, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 5, 1948, Serial No. 25,301
1 Claim. (Cl. 106—213)

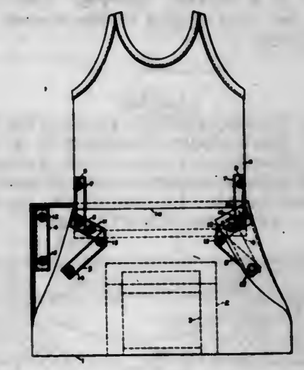
A converted starch normally tending to gel when prepared with plain water and allowed to stand but transformed under similar conditions of treatment to substantial fluid stability by the presence therein of a fluid-stabilizing amount of monomethylol dicyandiamide.

2,566,843
ADJUSTABLE CRANK DEVICE
Robert I. Lappin, Marblehead, and Louis Zaiger, Swampscott, Mass.
Application March 22, 1950, Serial No. 151,122
9 Claims. (Cl. 74—600)



1. An adaptor for adjustably connecting the driving links of double windshield wiper arms to the wiper motor shaft, comprising a support mounted on the motor shaft for oscillation therewith, a pair of elements on the support adapted to have pivotal connection with the driving links of the wiper arms, means connecting said elements to the support at positions diametrically opposite each other with respect to the axis of rotation of the shaft, said means being movable on the support to effect adjustment of the elements on the support to and from each other along a common diameter to vary their radial distances from the axis of rotation of the shaft, and to effect angularly adjustment in unison on the support about the axis of rotation, and means on the support for locking the connecting means thereto against movement.

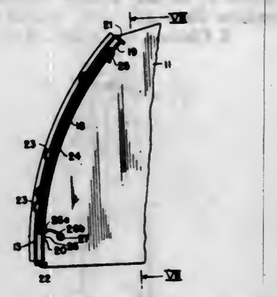
2,566,844
COMBINATION SHIRT AND DIAPER
Lillian L. Laughead, Lansing, Mich.
Application June 3, 1949, Serial No. 96,910
1 Claim. (Cl. 2—70)



A combination garment for holding a moisture absorbing insert comprising an undershirt, the said undershirt having a plurality of gripper sockets attached thereto, the said sockets being disposed frontally and substantially near the sides of the said shirt, a rectangular pad, the said pad having a rectangular pocket attached on the inside thereto, the said pocket being sewed along its two longitudinal edges to the said pad, a pair of tapes, each of the said tapes being sewed to the said pad and being disposed at the rear corners, two pairs of gripper studs, each of the said tapes having a pair of the said gripper studs secured thereto, the said studs being secured to the inside of the said pad, a pair of folded strips of tape, each of the said strips of tape being folded upon itself forming a substantially 67 degree angle, each of the said folded strips of tape being sewn to the said pad and being disposed at the front corners, six gripper sockets, each of the said folded strips of tape having three of the said gripper sockets, the said gripper sockets of the folded strips of tape being disposed on the outside of the said pad and being selectively engageable with the said pairs of gripper studs on the rear corners of the pad respectively, each of the said folded strips of tape having a single gripper stud, the said last named gripper studs being disposed on the inside of the said pad, the said studs and the said sockets being secured to the said strips of tape by conventional means, the said pad being secured to the said shirt by means of the said gripper sockets thereon and the said gripper studs on the folded strips of tape.

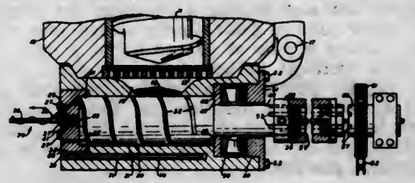
2,566,845
LUMINAIRE HAVING END MEMBERS AND QUICKLY DETACHABLE SIDE PANELS
Bernard D. Levaur and Eric D. Altree, Pittsburgh, Pa., assignors to Pittsburgh Reflector Company, Pittsburgh, Pa., a corporation of New Jersey
Application September 8, 1949, Serial No. 114,498
5 Claims. (Cl. 240—51.11)

5. In a luminaire having end members and side panels, means for removably suporting the side panels in position said means comprising transversely extending flanges on the end members adjacent the side edges of said members, a slot in the top of each flange and an opening adjacent the lower edge of each flange, and spring clips on the side panels each clip having a hook which is adapted to rest in one of the slots, each clip also having a tongue adapted to extend through one of said openings, the tongue being bent first approximately at right angles to and



away from the body of the clip, the tongue then being bent upwardly and outwardly away from the clip to form a trough adapted to engage an edge of said opening when the panel is in position on the luminaire, the tongue then being bent downwardly and outwardly to form a surface adapted to engage an edge of said opening when the panel is being moved towards the end members whereby to deflect the tongue so that it can pass through said opening during movement of the panels towards the end members.

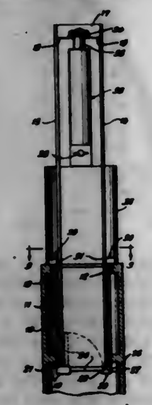
2,566,846
APPARATUS FOR INSULATING CONDUCTORS
Samuel M. Martin, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1949, Serial No. 84,396
3 Claims. (Cl. 18—13)



3. An apparatus for extruding a strand of plastic compound around an advancing core, which comprises an extruding head adapted to continuously receive an extrudable plastic compound under pressure, a central bore through which a core may be advanced, a die rotatably mounted adjacent to the exit end of the extruding head and having a central bore adapted to receive the advancing core and a plurality of extrusion orifices disposed therein eccentrically with respect to said central bore, a material feed screw rotatably mounted in the extruding head and having a plurality of spiral grooves for conveying the material to each extrusion orifice, said die being secured to the discharge end of the screw so that each groove is directly aligned with one of the extrusion orifices in said die, and means for rotating the feed screw and die secured thereto to extrude the material through the orifices to form a plurality of strands and wrap the extruded strands around the core advancing

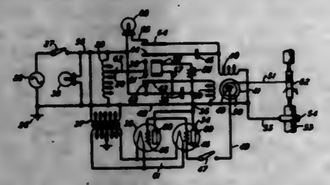
through the central bore of the die, said extrusion orifices being positioned in the die so as to direct the extruded strands toward the advancing core at an angle corresponding substantially to the angle at which the strands are wrapped on the core.

2,566,847
CYLINDER SLEEVE REMOVING TOOL
John V. Miller, Fancy Prairie, Ill.
Application June 23, 1949, Serial No. 100,389
2 Claims. (Cl. 29—252)



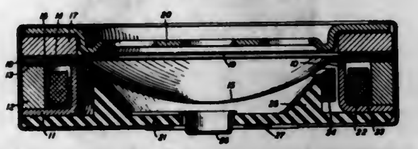
2. A cylinder sleeve removing tool comprising, a pair of pulling bars connected at one end and having their opposite ends free and provided with portions for engaging the inner edge of a cylinder sleeve, stop means mounted on the pulling bars and spaced from the cylinder sleeve engaging portions of the pulling bars a distance substantially equal to the length of the cylinder sleeve so that when said stop means contact the outer end of the cylinder sleeve the sleeve engaging portions of the pulling bars will engage the inner edge of the cylinder sleeve, a lug mounted on the inner free end portion of each pulling bar and having a shoulder for engaging the inner edge of the cylinder sleeve, one of said lugs having a pair of spaced arms, a lock plate, a pivot element mounted on the arms of said one lug for pivotally supporting said lock plate, and an abutment mounted on the other lug to limit the movement of said lock plate in one direction and for supporting said lock plate in its operative position.

2,566,848
WIRE WINDING AND TENSIONING DEVICE
Jack A. Morton, Neshanic Station, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 23, 1947, Serial No. 775,733
13 Claims. (Cl. 242—45)



1. A wire tensioning device comprising a supply reel of wire, a rotatable mechanism operating in one direction for applying a pulling force on said wire, means for attaching one end of said wire to said mechanism for winding said wire on a take-up element, an electromotive element affixed to said reel and rotatable in the opposite direction to apply a retarding force to said wire during the winding operation, means for controlling the voltage supplied to said electromotive element for tensioning said wire, and means for effecting substantially instantaneous braking of said electromotive element when the wire is broken, said last-mentioned means employing said wire as a current carrying conductor and operating on interruption of the current through said conductor.

2,566,849
ELECTROACOUSTIC TRANSDUCER
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1946, Serial No. 704,483
3 Claims. (Cl. 179—120)



1. An electroacoustic transducer comprising an annular magnetic armature, a pole-piece having a cylindrical portion coaxial with said armature and terminating at one end in a pole face in juxtaposition to the inner edge portion of said armature, said pole-piece having also an annular flange extending outwardly from the other end of said cylindrical portion and normal thereto, a cylindrical, axially magnetized magnet seated at one end upon said flange, encompassing said cylindrical portion and coaxial therewith, the other end of said magnet being coplanar with said pole face, a magnetic spacer seated upon the other end of said magnet, said armature having its peripheral portion seated upon said spacer and being held thereon solely by magnetic attraction, an annular magnetic member overlying said armature and having its inner and outer marginal portions opposite said pole face and said other end of said magnet respectively, and an annular low reluctance member spacing said magnetic member from said spacer.

2,566,850
ELECTROACOUSTIC TRANSDUCER
Edward E. Mott, Upper Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1946, Serial No. 704,485
1 Claim. (Cl. 175—339)

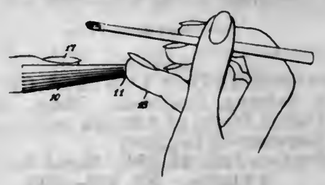


An electroacoustic transducer comprising a magnetic structure including cylindrical inner and outer pole members, the inner member having an outer frusto-conical pole face at one end thereof, an annular magnetic armature of width small in comparison to its diameter, said armature having a flat body portion extending from said outer member toward said inner member and having a frusto-conical inner marginal portion extending upwardly from said body portion, said frusto-conical pole face and said frusto-conical marginal portion being in juxtaposition and conforming to each other, means on said outer pole member defining an annular fulcrum support for said armature adjacent its periphery and coaxial therewith, and an annular magnetic member overlying said armature and extending from said outer pole member toward said inner member, said magnetic member having a frusto-conical face in juxtaposition and conforming to said frusto-conical inner portion of said armature.

2,566,851
PHENOLIC INTERCONDENSATION RESINS AND METHODS OF MAKING SAME
Ernest E. Novotny, Philadelphia, and George K. Vogelsang, La Mott, Pa., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 3, 1947, Serial No. 789,565
8 Claims. (Cl. 260—56)

1. The method of producing inter-condensation resins of the permanently fusible type, which comprises the steps of heat reacting a mixture containing a furane-aldehyde, a non-furane-aldehyde and a phenol in the presence of a substantially non-volatile inorganic alkaline catalyst, and in the absence of non-phenols which enter into ready reaction with aldehydes, said aldehydes being free of reactive susbtituents and being present in a molar furane-aldehyde to non-furane-aldehyde ratio of from 1:10 to 10:1 and the molar ratio of total phenol to total aldehydes being not less than 1.3:1 and not more than 1.75:1, and then distilling off volatiles, including water of reaction and excess phenol.

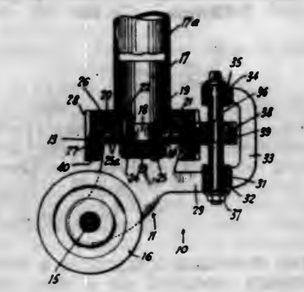
2,566,852
FINGERNAIL EXPOSER FOR USE IN MANICURING
Lester B. Platt, Hartsdale, N. Y.
Application March 23, 1949, Serial No. 83,086
3 Claims. (Cl. 132—73)



1. A hollow truncated cone having a longitudinal slot therein adapted to slidably receive a finger end with the nail portion protruding through said slot, a collar surrounding the narrow end of said truncated cone, said collar being adapted to serve as a support for the finger of a manicuring hand, and to facilitate pushing the device on the finger and pulling it off.

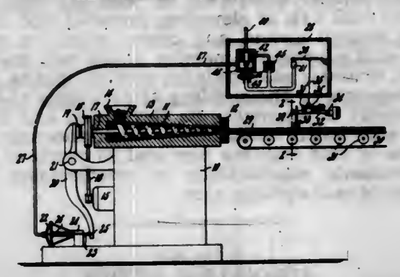
2,566,853
CASTER
John P. Reinhardt, Brooklyn, N. Y.
Application April 4, 1947, Serial No. 739,441
9 Claims. (Cl. 16—35)

7. A caster comprising a shank adapted to engage within the lower open end of a tube, an annular plate fixed with respect to the shank, said annular plate having external screw threads and being of a diameter greater than the shank, a yoke comprising a top plate rotatably mounted about the axis of the shank, arms extending downwardly from the top plate, a wheel rotatably mounted between said arms on an axis perpendicular of the axis of the shank and offset therefrom, a sleeve having internal screw threads



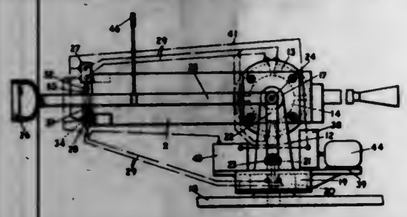
engaging said external screw threads, a portion of said sleeve overlying the top of said wheel, means on the sleeve for rotating said sleeve, whereby rotation of said sleeve in one direction will cause the sleeve to move toward the wheel for applying braking pressure to the same and rotation of said sleeve in an opposite direction will cause the sleeve to move upwardly away from said wheel for relieving said braking pressure.

2,566,854
EXTRUSION CONTROL
Thomas J. Rhodes, Ramsey, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 26, 1949, Serial No. 72,989
11 Claims. (Cl. 18—12)



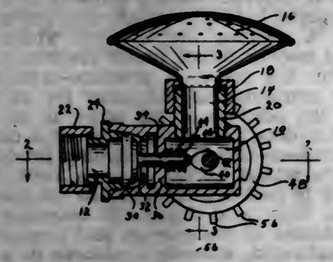
11. An extrusion apparatus for extruding a product of uniform size comprising an axially adjustable tapered feeding screw, a correspondingly tapered barrel in which said feeding screw rotates, a shaping die through which plastic material may be forced under pressure from the barrel by the screw, a pressure-actuated diaphragm connected to the screw for axially adjusting the position of the screw in the barrel, means for detecting a departure of a dimension of the cross-section of the extruded product from a predetermined normal, and a controller responding to said detecting means for translating a signal from said dimension-detecting means into a change of pressure on said pressure-actuated diaphragm, whereby a change in a dimension of the extruded product results in a corrective axial adjustment in the position of the screw in the barrel.

2,566,855
GUN MOUNTING
Alfred German Rose, Gainsborough, England, assignor, by direct and mesne assignments, of one-half to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company, and one-half to Kenneth Howard Nicholls, Freshford, England
Application January 1, 1944, Serial No. 516,651
In Great Britain January 4, 1943
3 Claims. (Cl. 89—37)



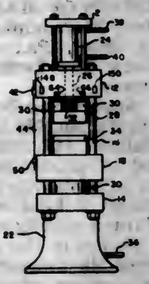
1. A gun mounting comprising a common support pivotally mounted on a base member for movement about a training axis, a gun assembly pivotally mounted on said support for movement about an axis of elevation, power actuated training means for rotating said support about the training axis, a training control means arranged for movement with the gun assembly about the training axis and controlling the action of said training means, power-actuated elevation means for rotating said gun assembly about the axis of elevation, an elevation control means arranged for movement with the gun assembly about the axis of elevation and controlling the action of said elevation means, a supporting member rotatably mounted for movement relatively to the gun assembly about an axis coincident with said training axis, a sighting arm pivotally mounted on said supporting member for movement relatively to the gun assembly about said axis of elevation, said sighting arm having means which upon pivotal movement of said sighting arm about said axis of elevation, operates said elevation control means, and means which by rotating said supporting member about said training axis, operates said training control means, such movements of the sighting arm causing the gun assembly to commence its elevational and training movements substantially simultaneously with those of said sighting arm and to continue such movements substantially in synchronism with those of said sighting arm.

2,566,856
SPRINKLING DEVICE
Ervin W. Rose, Hammond, Ind.
Application August 13, 1948, Serial No. 44,023
4 Claims. (Cl. 299—47)



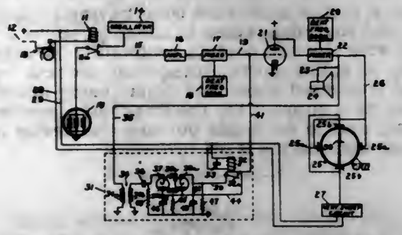
1. A sprinkler for watering lawns, gardens and the like comprising a body member having a water passage therethrough, a sprinkler head mounted on said member and connected with said passage, a shaft supported by said body member, wheels mounted on each end of said shaft, a cam mounted on said shaft and adapted to rotate in unison with said wheels and shaft, a valve adapted to be closed by the force of the water pressure for controlling the flow of water through said passage, and a stem actuated by said cam for opening said valve.

2,566,857
AUTOMATIC CONTROL FOR TRANSFER MOLDING PRESSES
Gordon B. Sayre, Beenton, N. J., assignor to Beenton Molding Company, Beenton, N. J., a corporation of New Jersey
Application May 14, 1947, Serial No. 748,064
22 Claims. (Cl. 18—30)



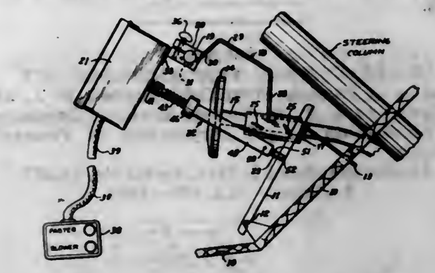
1. Automatic control mechanism for putting a transfer molding press through a program cycle of operation, said press having a clamp cylinder, a transfer cylinder, a safety gate and a loading station protected by said safety gate, and said control mechanism being devoid of a conventional program cycle shaft or timing shaft with cams thereon, said control mechanism including a valve for the clamp cylinder, a valve for the transfer cylinder, means to start closing of the press, means responsive to the safety gate to start the transfer operation provided the press has theretofore been closed, and a timing clock for timing the curing of the molding material, said timing clock being arranged to so operate the aforesaid valves as to open the press when a predetermined curing time runs out.

2,566,858
REVERBERATION CONTROL OF GAIN
Paul B. Sebring, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of the Navy
Application June 29, 1944, Serial No. 542,795
8 Claims. (Cl. 177—386)



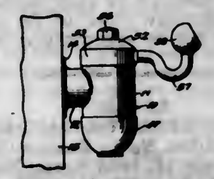
1. In an echo ranging system including a receiver having at least one amplifier stage having a control element and a gain which is dependent on the amplitude of a direct current voltage fed to said control element; means for controlling the gain of said receiver comprising, means for biasing a control element of at least one of said amplifier stages to an extent proportional to the level of the initially incoming reverberation only, a discharge path for said biasing means, and means for selectively changing the impedance of said discharge path to a relatively high value when the reverberation exceeds a predetermined value and to a relatively low value when the reverberation is less than said value.

2,566,859
ACCELERATOR PEDAL DEPRESSOR
Alvah Irving Seeler, Euclid, Ohio, assignor to The Electric Products Company, Cleveland, Ohio, a corporation of Ohio
Application April 2, 1948, Serial No. 18,612
4 Claims. (Cl. 74—513)



1. A device of the character described comprising a clamp adapted to be secured to the shank of the brake pedal of an automotive vehicle, a bracket secured to the clamp and adapted to extend upwardly away from said shank, a rod projecting transversely from the bracket, a housing adjustably supported on said rod, an actuator extending from said housing and adapted to engage the accelerator pedal of the vehicle, and a motor in said housing adapted to extend and retract said actuator to depress and release said accelerator pedal.

2,566,860
DISPENSING VALVE
Arthur Segal, Springfield, Ill., assignor, by mesne assignments, to General Bronze Corporation, a corporation of New York
Application April 26, 1946, Serial No. 665,110
8 Claims. (Cl. 222—145)



1. A dispensing valve comprising, a valve body, a cylindrical passage therethrough and of two diameters forming a valve seat therebetween, a fluid supply port opening into the smaller portion of the passage adjacent the valve seat, a valve in the passage having a large head in the larger portion of the passage for seating against the valve seat and a small head in the smaller portion of the passage on the opposite side of the supply port, a retainer having an opening therethrough at the end of the larger portion of the passage, a spring between the retainer and the large head for seating the large head against the valve seat, and a plunger in the smaller portion of the passage for moving the valve against the action of the spring to permit fluid to discharge from the supply port through the opening in the retainer.

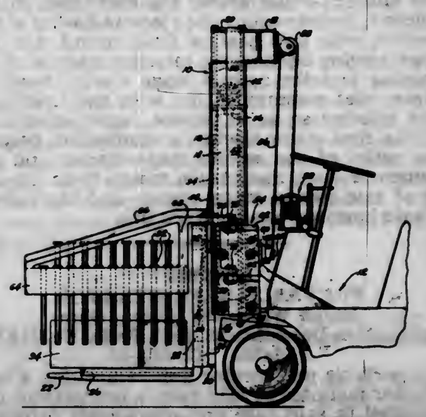
2,566,861
STARCH COMPOSITION
John Studeny, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 5, 1948, Serial No. 25,302
5 Claims. (Cl. 106—213)

1. A fluid-stable converted starch normally tending to gel when prepared with plain water and allowed to stand but transformed under similar conditions of treatment to substantial fluid-stability by the presence therein of a fluid-stabilizing amount of a member of the group consisting of water-soluble ammonium, alkali metal, and alkaline earth metal salts of dicyanimide.

2,566,862
STARCH COMPOSITION
John Studeny, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 5, 1948, Serial No. 25,303
2 Claims. (Cl. 106—213)

1. A fluid-stable converted starch normally tending to gel when prepared with plain water and allowed to stand but transformed under similar conditions to substantial fluid-stability by the presence therein of a fluid-stabilizing amount of a water-soluble salt of dicyanoguanidine with an inorganic base selected from the group consisting of alkali metal and ammonium.

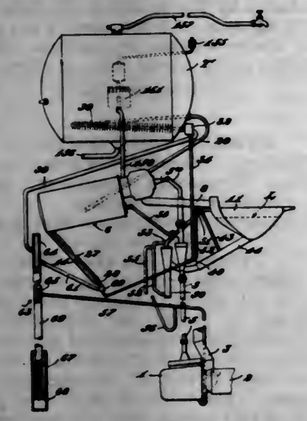
2,566,863
LOAD RETAINING MEANS FOR INDUSTRIAL VEHICLES
Herbert L. Voigt, Milwaukee, Wis., assignor to Geuder, Paeschke & Frey Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 6, 1948, Serial No. 37,269
6 Claims. (Cl. 214—113)



1. The combination with a vehicle having upwardly projecting mast means, support means movably mounted on said mast means for carrying a load, means for controlling movement of said support means on said mast means, of a

member movably mounted on said mast means, a platform pivotally mounted on said member for movement into an active position above said support means and an inactive position, means for locking the platform in said active position, means for raising and lowering said platform and said member on said mast means, and means carried by said platform for confining the load on said support means.

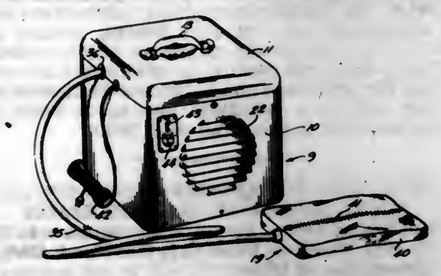
2,566,864
MULTIPLE STAGE EJECTOR IN REFRIGERATION SYSTEM
Lyman F. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Company, a corporation of Massachusetts
Application November 19, 1948, Serial No. 60,957
3 Claims. (Cl. 62—117.65)



1. In a refrigeration system of the type having a refrigerant fluid circuit including a vapor duct and a condenser duct, a propellant fluid circuit including a pressure line and a return line, and a cooling fluid circuit, a multiple stage ejector unit comprising a housing of elongate cross-section, a first stage ejector connected with said vapor duct and with said pressure line and extending within the upper part of said housing, a second stage ejector connected with said pressure line and extending within the lower part of said housing, jackets about the ejectors having a connection with said cooling fluid circuit, the first stage ejector discharging into the interior of said housing and the second stage ejector having a vapor inlet communicating with the interior of said housing so as to receive vapors discharged by the first stage ejector, a connection between the outlet of the second stage ejector and said condenser duct, and return means from the outlet of said second stage ejector and the interior of said housing to said return line.

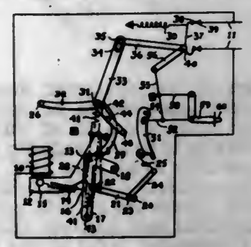
2,566,865
PORTABLE REFRIGERATOR
Ralph Wingerter, Akron, Ohio
Application December 26, 1946, Serial No. 718,327
1 Claim. (Cl. 62—4)

A portable refrigerator unit comprising a case, a motor mounted in said case, a refrigerator unit mounted in said case and operatively driven by said motor, an automatic control means electrically connected to control the operation of said motor and the heat absorption of the refrigerator unit, a flexible refrigerator coil element operatively connected to said refrigerator unit, a storage compartment in said case designed to retain said coil element when not in use, a cover element hingedly disposed to enclose said compart-



ment, and a carrying means attached to said cover to provide for ease of portability of said unit.

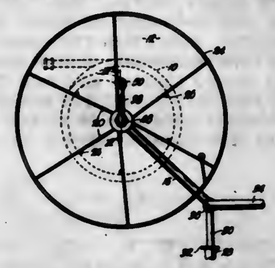
2,566,866
UNDERVOLTAGE TRIP AND LOCKOUT
Charles J. Yarrick, West Collingswood, N. J., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 6, 1948, Serial No. 19,307
3 Claims. (Cl. 200—106)



2. In an undervoltage circuit breaker having a fixed and a movable contact, an electromagnet responsive to the voltage of the line protected by said circuit breaker, an armature controlled by said electromagnet, a latch for said movable contact operated in response to the operation of said armature to its de-energized position for permitting disengagement of said contacts, a latching mechanism controlled by said armature and operable on movement of said movable contact to its open position for locking said movable contact in its open position, and a member controlled by the opening of said contacts for resetting said armature close to its pole face in preparation for the re-energization of said electromagnet.

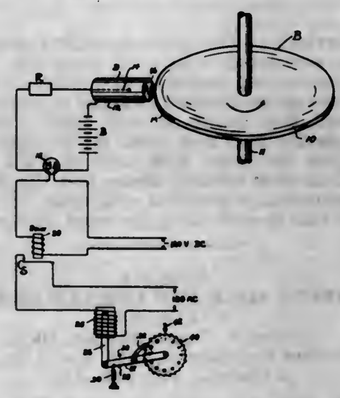
2,566,867
AUTOMATIC REEL FOR GARDEN HOSE
Hollees W. Allen, North Kansas City, Mo.
Application July 18, 1946, Serial No. 684,567
1 Claim. (Cl. 242—86)

A garden hose reel comprising a shaft; a pair of spaced, parallel wheel-like members secured to the shaft, each member including an annular ring and a number of substantially V-shaped rods joining the ring and the shaft, the bight of said rods being rotatably looped around the shaft and the legs of the rods radiating outwardly from the shaft and having their free ends rigidly joined to the ring; said ring and said rods being in a common plane; and a cross-bar interconnecting each leg respectively of one member with a corresponding leg of the other member intermediate the ends of the legs, the distance between each bar and the rings being the same,



said rods being arranged to hold the rings concentric with respect to the shaft.

2,566,868
REVOLUTION COUNTING DEVICE WITH RADIO-ACTIVE CONTROL
Domenico J. Allia, Worcester, Mass.
Application November 19, 1949, Serial No. 128,460
1 Claim. (Cl. 235—103)



Apparatus effective to count repeated and successive revolutions of a rotating member having a portion of radio-active material applied at one point thereon, which apparatus comprises a detector of radio activity mounted adjacent the annular path of movement of said portion of radio-active material, a counter, actuating mechanism therefor, and electrical control connections between said detector and said actuating mechanism through which said actuating mechanism is controlled by said detector and is rendered operative on each repeated and successive passage of said portion of radio-active material past said detector.

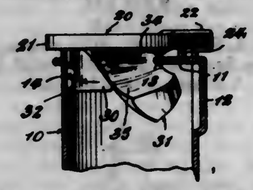
2,566,869
ROTARY REFINER
Edmund P. Arpin, Jr., Neenah, Wis.
Application February 25, 1948, Serial No. 10,625
9 Claims. (Cl. 92—26)

8. In a rotary refiner, a rotor assembly comprising a backing plate including a recessed portion defined by overhanging flanges, slanted passageways near the leading edge of said rotor assembly, and upstanding bearing portions for connection to the drive mechanism of the refiner, a refining element movable into said recessed portion against said overhanging flanges having a generally arcuate processing surface and a flat portion extending across the leading edge, a pressure pad positioned on said flat portion, and spring-pressed clamping means disposed in the slanted passageways of said backing plate having a rocker member pivoted at one



end on said backing plate and bearing at the other end against said pressure pad for pressing said element into the recessed portion of said backing plate.

2,566,870
COVER FOR CURB BOXES AND THE LIKE
Victor Emanuel Beagle, Alexandria, Va.
Application March 4, 1947, Serial No. 732,206
1 Claim. (Cl. 220—55)

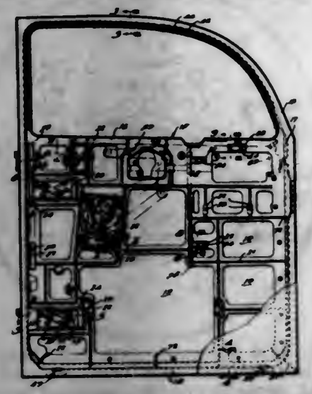


A cover for a curb box provided with a lug and an inwardly disposed horizontal flange arranged diametrically opposite each other, said cover consisting of a flat disk having an eccentric helicoidal flange depending from the under face of the disk, a concentric flange depending from said under face and having a cut away portion extending upwardly from the lower edge thereof, the inwardly disposed horizontal flange of the curb box being engaged by said helicoidal flange for drawing the disk down onto the box upon rotation of the disk in one direction, and said lug engaging the cut away portion of the concentric flange for limiting rotation of the cover, and a bolt threaded in a vertical passage in the disk and being positioned at a point opposite the cut away portion of the depending flange, said bolt engaging said horizontal flange at right angles thereto for maintaining the cover against rotation and for drawing the concentric flange tight against the lug.

2,566,871
DOOR HAVING CAST INNER PANEL AND RAIL TO WHICH OUTER SHEET PANEL IS ATTACHED
Clay P. Bedford, Ypsilanti, and Dean B. Hammond and John L. Hallett, Ann Arbor, Mich., assignors to Kaiser-Fraser Corporation, Willow Run, Mich., a corporation of Nevada
Application June 13, 1949, Serial No. 98,802
12 Claims. (Cl. 296—44)

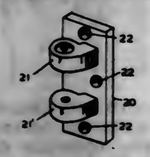
1. A door having a cast inner panel with a door rail disposed thereabout and about a window

opening thereabove, a flat ledge extending inwardly from the inner face of the rail about the window opening forming the base of a glass channel, an outer panel secured to said rail having a window opening, the panel portion extending in-



wardly at the window opening being flanged outwardly to be disposed substantially parallel to the plane of the panel and inwardly providing a web normal thereto, and means for securing said web on said ledge.

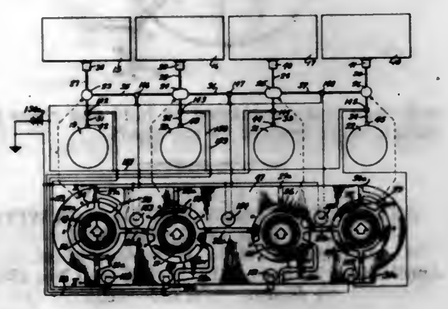
2,566,872
HINGE
Paul A. Bernhardt, Milwaukee, Wis.
Application January 8, 1946, Serial No. 639,752
1 Claim. (Cl. 16—128)



A device of the character described comprising a door support, said door support being of U-shaped construction having a part of its construction semi-circular in contour, said semi-circular part terminating into a pair of spaced parallel vertical flat support plates, members projecting inward from the semi-circular part of said door support and being spaced apart to define slots, said projecting members being provided with an aperture, attaching means for fastening said flat plates to a door, a mounting plate having outwardly projecting members, said projecting members being positioned for engagement within respective slots of the door support and having a recessed aperture, a flanged bushing seated in the recessed aperture of the outwardly projecting members of said mounting plate, means for attaching said mounting plate to a door frame, and a pintle for engagement through the apertures of the projecting members of the door support and the bushings of said mounting plate.

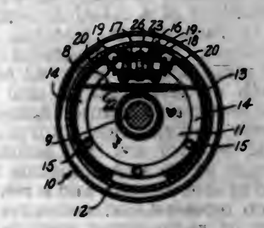
2,566,873
FLUID CONTROL SYSTEM
Karl B. Britton, Bratenahl, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Application March 31, 1944, Serial No. 528,856
13 Claims. (Cl. 158—36)

1. In a fluid control system having a plurality of fluid operated devices, a plurality of fluid supply sources, a plurality of fluid flow control devices, and means interconnecting the fluid flow control devices, fluid supply sources, and fluid operated devices, the improvements of short means for diagrammatically indicating the relationship of each of the interconnecting means with respect to said fluid supply sources and said fluid operated devices and having fluid flow paths indicated thereon, manually controllable means for shifting the fluid flow control devices to open and



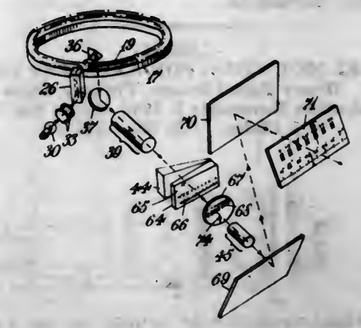
close certain of the interconnecting means, and means associated with each manually controllable means and movable therewith and having fluid flow paths thereon adapted to register with the fluid flow paths on said chart means and complete the fluid flow paths on the chart means and show the exact flow path of fluid through each fluid flow control device and the interconnecting means associated with each fluid supply source and to each fluid operated device.

2,566,874
SAFETY LOCK FOR VEHICLE BRAKE CYLINDERS
Andrew P. Crotts, Marlow, Okla.
Application December 7, 1948, Serial No. 63,991
2 Claims. (Cl. 188—152)



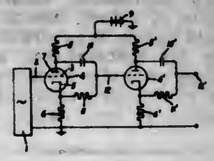
1. In a brake for a vehicle wheel, the combination with a brake shoe, and a fluid motor for actuating said shoe, said fluid motor comprising a cylinder, a cap seated on each end of said cylinder, a shoe-engaging shank carried by each of said caps, of a safety lock for preventing accidental removal of said caps from said cylinder when the brake shoe is free to move beyond its normal extent of operative movement, said lock embodying a strap arranged longitudinally of said cylinder, a spring clip secured to said strap for fastening said strap to said cylinder, and a transversely-disposed flange projecting from each end of said strap, there being a slot arranged in each of said flanges for slidably receiving said shank.

2,566,875
OPTICAL SCALE READING DEVICE FOR ROTATABLE DIVIDING TABLES
Cornelius Frank Dietrich and Harry John Smith, Slough, England, assignors to Optical Measuring Tools Limited, Slough, England, a British company
Application January 14, 1949, Serial No. 70,892
In Great Britain January 14, 1948
6 Claims. (Cl. 88—1)



1. A rotatable dividing table comprising in combination a base, a table rotatably mounted thereon, a main circular scale secured to the underside of the table to rotate therewith, an illuminant therefor, an optical projection system directed upon the scale, a projection screen carried by the base and positioned to receive an image of main scale markings from the optical projection system, a prism-carrying cradle, a pair of similar prisms mounted in the cradle, reversed in relation to one another and located in the path of the light beam projecting said image to displace the same on the screen, said prisms being canted relatively to one another, means to move the cradle with the prisms bodily transversely across the light beam and so vary the displacement of said image, a secondary scale associated with said prisms to move therewith and located in the path of the light beam so as to be projected upon the screen along with the image of main scale markings, and index means visible upon the projection screen for the main and secondary scales and into registration with which the markings of said scales can be adjusted by rotation of said rotatable table and movement of said prisms, respectively.

2,566,876
PHASE SHIFT SYSTEM
Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application April 17, 1946, Serial No. 662,665
18 Claims. (Cl. 332—45)



16. In combination, a network having a pair of output terminals, and having a pair of input terminals to which may be applied voltages of opposite phase with respect to the voltage at one of said output terminals, a connection between the other output terminal and each of said input terminals, impedance elements in each of said connections so proportioned relative to each other that as the frequency increases said oscillations are passed more freely first by one, then the other, then again by said one of said connections whereby a phase shift of three hundred and sixty degrees occurs in oscillations between said output terminals.

2,566,877
BRUSH HOLDER
Elmarion S. Dunton, Woodland, Calif.
Application February 21, 1949, Serial No. 77,669
3 Claims. (Cl. 220—85)



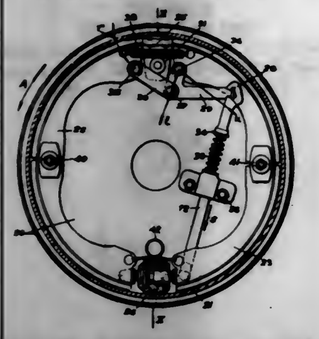
2. A device of the character described comprising a receptacle in the form of a pail, a metal plate secured to the inner face of the pail at the top thereof and projecting a substantial distance above the top of the pail, said plate having an outwardly rolled top edge portion forming one element of a hinge, a brush holder comprising a flat plate body having a top edge rolled to provide an element of a hinge, the said hinge elements being engaged one within the other whereby the last named plate may be swung in a vertical arc from a position outside the receptacle to a position partly within the same, the last named plate having an overall width slightly less than the inside diameter of the receptacle, a substantially right angularly extending foot wall integral with the bottom edge of the last named plate, said foot wall being apertured, and transversely arcuate side walls carried at the sides of the last named plate and extending laterally and forwardly, said side walls at their lower edges being spaced from the ends of the foot plate and said side walls being adapted to rest against the wall of the pail when the brush holder is in operative position within the pail.

2,566,878
SHIELD OR GUARD FOR BLOWER NOZZLES
Herman Fahrenkrog, near Walcott, and Henry D. Fahrenkrog, Davenport, Iowa
Application March 27, 1946, Serial No. 657,474
3 Claims. (Cl. 15—406)



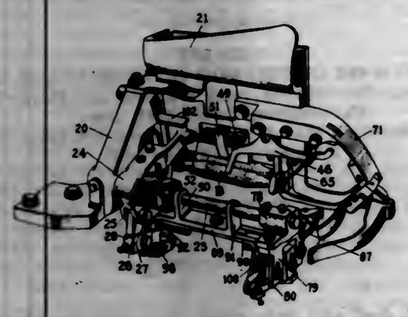
1. A dust and chip guard for a circular blower nozzle comprising an arched body having a fixed closure at one end of the arch provided with an aperture for the reception of a blower nozzle, the opposite end of the arch being open for the passage of air to the work piece from the nozzle, and a bridging member connecting two opposite walls of the arched body and serving to engage the nozzle if and when mounted in said aperture, whereby to hold the body in place on the nozzle when the guard is pressed against the work piece.

2,566,879
EXPANDING BRAKE OPERATOR
Pierre Farkas, Paris, France
Application May 27, 1946, Serial No. 672,516
In France November 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 18, 1962
5 Claims. (Cl. 188—78)



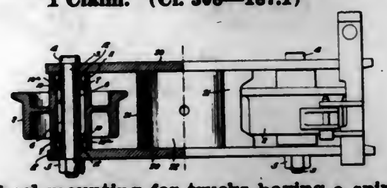
1. A brake comprising a movable brake-drum, a relatively fixed back-plate, primary and secondary brake shoes articulated together at one pair of their adjacent ends so as to be expandible against the drum, toggle mechanism for expanding the other pair of adjacent ends of the shoes and mounted on the back-plate, said toggle mechanism including a link connected at one end directly to the end of the primary shoe to act obliquely outward thereon and pivotally connected at the other end to a bell crank lever which is pivotally connected directly to the secondary shoe to exert both a rearward push and a disengaging movement, and means for expanding the toggle mechanism.

2,566,880
AUTOMATIC BATTERY FOR LOOMS
Alphonse J. Fiset, Worcester, and Carl D. Brown, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application July 20, 1948, Serial No. 39,606
21 Claims. (Cl. 139—247)



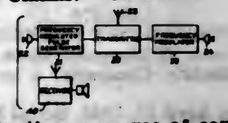
1. For an automatic battery for looms having in combination a support, containing and guiding means for a plurality of filling supplies each of which comprises a main thread package and a tip finding bunch, and a transferrer for expelling said filling supplies in succession from the battery and into a shuttle upon call for replenishment of the filling therein, improved means for finding the end of the main package automatically prior to transfer of the said supply to a shuttle which comprises a pivoted bunch remover movable to engage behind the bunch and means functioning in response to movements of the transferrer for controlling said remover to strip the bunch from the supply, and other means functioning in timed relationship to said remover for taking said tip finding bunch from the remover and for extending it away from the supply and attaching it to a holder by which it is retained until transfer of the supply is completed and the shuttle has again resumed its picking movement.

2,566,881
WHEEL MOUNTING FOR AXLELESS TRUCKS
Henry Fort Flowers, Findlay, Ohio
Application November 5, 1946, Serial No. 707,821
1 Claim. (Cl. 308—187.1)



A wheel mounting for trucks having a spindle supported by spaced side frames, a wheel having a hub mounted on bearings carried by said spindle, spacer sleeves for positioning the bearings on the spindle, an annular oil retainer mounted in the hub at each end thereof, each retainer having a wall making a close running fit with the side frame, said retainer wall having an outer cylindrical flange projecting inwardly and frictionally engaging said hub for rotation therewith, said retainer wall having an inner cylindrical flange projecting inwardly into the hub, a split metal ring expanded into engagement with said inner flange and rotatable therewith, said ring being dimensioned so as to loosely fit in a groove of the associated outer spacer sleeve and form an oil seal for retaining an oil bath within the hub, said ring being free to move longitudinally of the spindle on said inner flange and center itself in said groove.

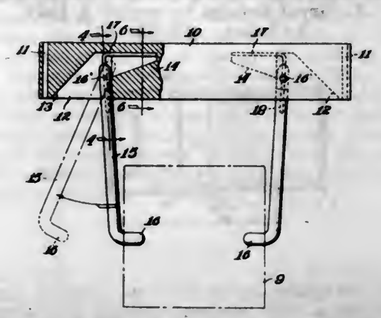
2,566,882
COMMUNICATION SYSTEM
Stanford Goldman, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application March 11, 1943, Serial No. 478,760
4 Claims. (Cl. 250—9)



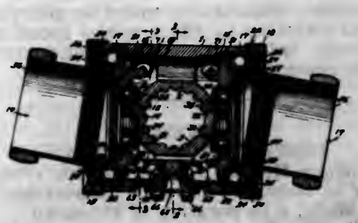
2. In combination, a source of carrier wave of high frequency oscillations, means for producing a succession of pulses, means for frequency modulating said pulses in accordance with a first signal, means for transmitting said frequency modulated pulses on said carrier wave, and means for frequency modulating said carrier wave between said pulses in accordance with a second signal.

2,566,883
PAPER ROLL HOLDER
Herman J. Gove, Curundu, Canal Zone
Application December 27, 1948, Serial No. 67,325
2 Claims. (Cl. 242—55.2)

2. A paper roll holder comprising a base adapted to be connected to a supporting body, there being recesses arranged in said base, each of said recesses including a wide tapering mouth, said mouth terminating in a transverse inclined cutout, a pair of rocker arms each having one end positioned in the mouth of said recess, said rocker arms being pivotally connected to said base, the other end of each of said rocker arms being shaped to define a hook for insertion in the end of a roll of paper, a pair of springs for urging said rocker arms toward each other, there being a bore in each of said rocker arms, each of said springs having one end seated in the inclined cutout in said base and its other end seated in the bore in said rocker arm.

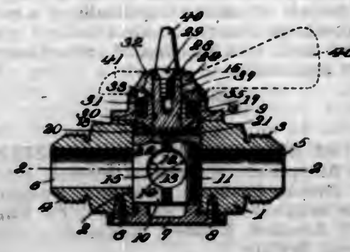


2,566,884
PRELOADED PIVOT MOUNT FOR VARIABLE PITCH PROPELLER BLADES
Paul F. Hackethal, Wentworth, N. H., and Romuald Karey, Cockeysville, Md., assignors to Everel Propeller Corporation, Baltimore, Md., a corporation of Maryland
Original application May 7, 1945, Serial No. 592,496. Divided and this application November 24, 1948, Serial No. 61,794
6 Claims. (Cl. 160—23)



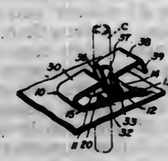
1. In a propeller construction, a hub having a tubular shaft coupling element extending transversely therethrough and a blade mounting socket extending radially outward from said element, a blade receiving sleeve rotatably mounted in the socket, a peripheral flange on the inner end of the sleeve, anti-friction bearing means on the sleeve and engaging the flange, means in the socket and engaging the bearing means to block outward displacement of the sleeve from said socket, and loading means interposed between the shaft coupling element and sleeve for pressing the latter outward in said socket to preload said bearing, said loading means including a first part engaging the shaft coupling element, a second part engaging the first part and including an anti-friction bearing engaging said sleeve, and means for adjusting one part relative to the other part to thereby adjust the pressure exerted by the loaded means.

2,566,885
CYLINDRICAL VALVE
Emmett C. Hartley, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1944, Serial No. 522,894
2 Claims. (Cl. 251—102)



1. A valve assembly comprising a valve casing having a cylindrical chamber, a valve rotor in said chamber, said rotor consisting of two segments of a cylinder, the outer faces of which conform to the cylindrical surface of the valve casing and the inner faces of which are spaced and substantially parallel with each other, rubber slugs disposed in the space between the segments and filling the same, said rubber slugs being tensioned so as to press said segments of the rotor into fluid-tight contact with the wall of the valve casing, a closure cap for said casing, a valve stem extending through said cap, a crosshead carried by said stem within said chamber, said rotor segments having aligned grooves disposed diametrically of the rotor and at right angles to the inner faces of said segments, said crosshead having depending lugs at the outer ends thereof engaging said grooves adjacent the wall of the casing for turning said rotor.

2,566,886
RESILIENT FASTENING DEVICE FOR OBJECTS IN ADJUSTABLE AXIAL RELATIONSHIP
Richard A. Hartman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 4, 1946, Serial No. 714,129
5 Claims. (Cl. 24—73)

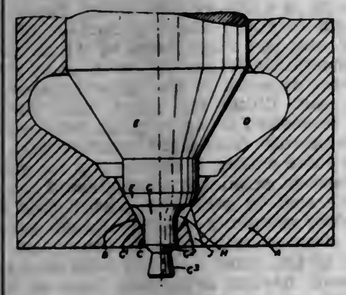


1. A fastener comprising a sheet metal body bent to define a base having an opening and a spring arm extending over said base, said spring arm having an inward fold intermediate its length extending inwardly toward said base with the apex of said fold adjacent said base and defining a pair of resilient gripping jaws and an opening between said jaws in line with said opening in the base, said jaws being adapted to be spread apart to grip an object passed through said openings.

2,566,887
CORROSION INHIBITOR
George C. Heck, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application October 7, 1949, Serial No. 120,221
14 Claims. (Cl. 106—14)

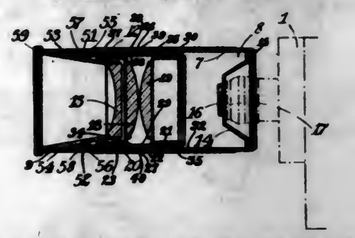
1. A coating composition for inhibiting corrosion of metals consisting essentially of a normally water-insoluble zinc chromate dissolved in a concentrated methanol solution of tetraethanol ammonium hydroxide.

2,566,888
FUEL SPRAY PRODUCING NOZZLE
George Allen Holt, Shoreham-by-Sea, and Kenneth Brook, Eastcote, England, assignors, by mesne assignments, to Ricardo & Co. Engineers (1927) Limited, London, England, a company of Great Britain
Application February 25, 1947, Serial No. 730,768
In Great Britain August 28, 1946
2 Claims. (Cl. 299—107.5)



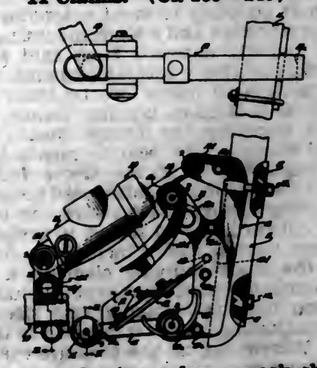
1. A fuel spray-producing nozzle comprising in combination a casing for the nozzle, a central main cylindrical delivery passage leading from an orifice within the casing to an open central outlet orifice, a seating for a valve within the casing and set back from the orifice at the inlet end of the main delivery passage, at least one passage through the wall of the casing and positioned laterally with respect to the central main delivery passage, the lateral delivery passage having a substantially smaller cross sectional area than the main delivery passage, a needle valve adapted to seat on said seating and a cylindrical pintle forming an extension beyond the needle valve and adapted to fit closely and slide in the main delivery passage, the length of the cylindrical part of the pintle which closely fits within this passage being such that, whereas for low rates of fuel delivery the valve will open to permit fuel to flow to the lateral passage without the cylindrical part of the pintle being withdrawn from the main delivery passage, at higher rates of fuel delivery the cylindrical part of the pintle will be withdrawn from the main delivery passage to a greater or less distance to open and determine the effective free cross section of this passage and fuel will be delivered through both passages, the mean direction of injection through the lateral passage being different from the main direction of injection through the mean delivery passage, the proportion of the whole fuel delivered which flows through the main delivery passage increasing progressively with increases in the rate of fuel delivery beyond that just sufficient to withdraw the cylindrical part of the pintle from that passage by reason of the increased withdrawal thus effected.

2,566,889
VARIABLE MAGNIFICATION OPTICAL SYSTEM
Harold Horace Hopkins, London, England, assignor to W. Watson & Sons Limited, London, England, a British company
Application October 22, 1948, Serial No. 55,965
In Great Britain November 3, 1947
3 Claims. (Cl. 88—57)



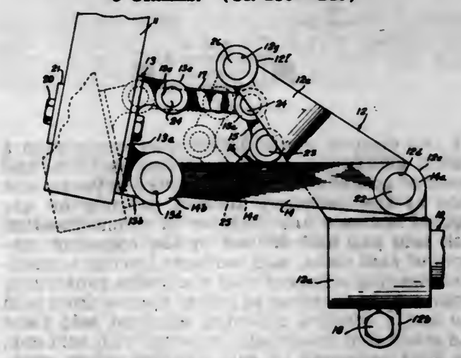
1. A variable magnification optical system comprising a body portion carrying two normally fixed negative lenses and two movable positive lenses arranged on a common optical axis with the movable positive lenses between and spaced from the two normally fixed negative lenses, at least one of which normally fixed negative lenses is mounted for adjusting movement in the axial direction, magnification-varying mechanical means operable to effect simultaneous movements of the two movable positive lenses, relative to the body and relative to each other, in the axial direction and according to a law such that the distance, from the body, at which the image of an object at a fixed distance from the body is accurately focussed by the system remains constant while the size of the said image is continuously varied during the operation of the magnification-varying means, and initial-adjusting mechanical means, independent of the magnification-varying means and operable, independently of the magnification-varying means, to move the normally fixed negative lens mounted for adjusting movement as aforesaid in the axial direction to effect initial focussing of the system before the magnification-varying means is operated.

2,566,890
PICKER STICK LINKAGE
George Hiram Hufferd, Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 9, 1948, Serial No. 37,951
11 Claims. (Cl. 139—149)



1. In a loom having a lay, a rock shaft supporting the lay and a flying shuttle traversing the lay, the improvements comprising a primary bracket mounted on one end of said rock shaft, a secondary bracket, a picker stick secured to said secondary bracket, said picker stick having the top portion thereof disposed adjacent the lay in the path of the shuttle, a picker mounted on said top portion of the picker stick, and a pair of spaced links pivotally connected between said brackets, thereby controlling the path of movement of said picker stick relative to said lay, said links being constructed and arranged to move said picker along a substantially straight line path, and a check unit having relatively movable elements, one of said elements being pivotally secured to said primary bracket and the other of said elements being pivotally secured to said secondary bracket.

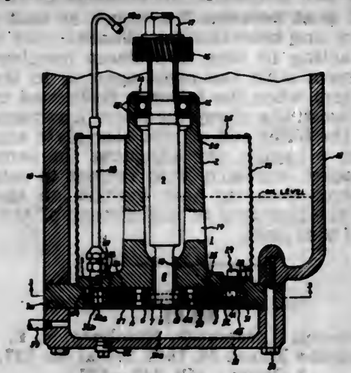
2,566,891
TOGGLE-TYPE PICKER STICK LINKAGE
George H. Hufferd, Shaker Heights, Ohio, assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 27, 1948, Serial No. 40,893
8 Claims. (Cl. 139—149)



8. A parallel motion picker stick linkage for a shuttle loom comprising, a primary bracket, a picker stick bracket and a plurality of link elements pivotally connecting said brackets, said plurality of link elements including a first generally horizontally disposed link pivotally connected to said picker stick bracket and said primary bracket to resist horizontal forces, a second generally horizontally disposed link pivotally connected to one of said brackets and having a free end providing a pivot bearing, and a toggle joint comprising a pair of generally vertically disposed links arranged to resist vertical forces between the picker stick bracket and the primary bracket and being pivotally jointed together end to end, one of said toggle joint links defining a pivot bearing for connection with the pivot bearing defined by said second generally horizontally disposed link.

2,566,892
TURBINE TYPE PUMP FOR HYDRAULIC GOVERNING SYSTEMS
Stephen Jacobs, Fitchburg, Mass., assignor to General Electric Company, a corporation of New York
Application September 17, 1949, Serial No. 116,255
4 Claims. (Cl. 103—96)

1. A centrifugal pump assembly comprising an impeller of the turbine type having a circumferential row of radially extending blades and a hub portion defining a central bore with at least two diametrically opposed axial grooves communicating therewith, a rotor shaft having an end portion freely fitting the bore of the impeller and radially extending portions engaging said grooves, whereby the impeller is driven by the shaft while being free to shift axially thereon, a housing surrounding the shaft and impeller and including a first axially extending substantially cylindrical sleeve portion coxial with the shaft, bearing means adjacent either end of said sleeve and supporting the shaft, said housing including also a radially extending flange portion spaced axially and radially from the impeller to define a circular recess, and a pair of cooperating disk members disposed in said recess at opposite sides of the impeller, said disk members defining a fluid pumping annulus surrounding the impeller blades, said disk members also including portions defining at least two circumferentially spaced dams extending radially across the pumping annulus and forming close clearances with the edges of the blades, said disk members also forming independent inlet and outlet ports communicating with the respective



ends of the separate arcuate pumping chambers defined by said dams, whereby the single impeller may deliver fluid to separate consumers having substantially different flow requirements, the discharge pressure in the separate chambers being proportional to the arcuate length of the respective chambers, said housing flange portion defining fluid inlet ports communicating with the inlet ports of the disk members, and a cylindrical filter screen member having one end portion engaging a circumferential shoulder on the housing flange member at a radius greater than that at which the inlet ports are located, the other end of the filter screen being secured to an annular disk member having a central opening adapted to surround the adjacent end of the bearing housing member and engaging a circumferential shoulder thereon, and means securing both of said disk members in the recess of said flange member, whereby the disk members and impeller may be removed together from the housing and shaft respectively without disturbing the shaft and bearing assembly.

2,566,893
ROCKER ARM GRINDING DEVICE
Albert W. Jones, Sr., Okmulgee, Okla.
Application August 3, 1949, Serial No. 108,334
2 Claims. (Cl. 51—124)

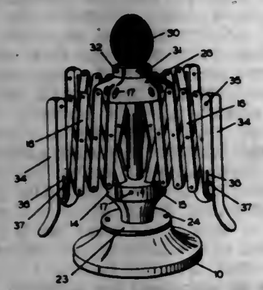
1. In combination, a grinding machine including its frame and a rotatable abrasive wheel and a valve rocker arm holder attachment, said holder comprising an arm extending from said frame adjacent to and to one side of the lower

portion of said wheel, a bracket mounted for angular adjustment on said arm, a vertical stud carried by said bracket, a horizontal base plate extending laterally from said bracket and secured at one end on said stud, a post extending vertically through said base plate, an annular element mounted on the upper end of said post, a pair of clamp members movably supported on said post between said base plate and the annular element, a coil spring on said post between the lower side of said base plate and a nut on the lower end of the post, a second coil spring



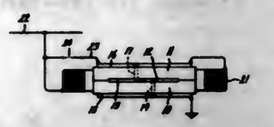
on said post between the upper of said clamp members and said annular element, said second spring acting to urge said clamp members into engagement with the pivot opening in the said rocker arm when the latter is positioned on said post between the clamp members, a reduced portion at the outer end of said base plate and constituting a handle, for adjusting the same and said bracket angularly with respect to said arm and means securing said bracket on the said arm in the positions of adjustment of the same and said base plate.

2,566,894
REEL
Simeon Kaczmarek, Hamburg, N. Y.
Application March 25, 1947, Serial No. 737,188
1 Claim. (Cl. 242—127)



A device of the character described comprising a base, a vertical standard rotatably supported by said base, a lower hinge member forming a part of said vertical standard, an upper hinge member provided with an extension having a radial groove, slidably supported by said vertical standard, a hollow adjustment nut threadedly engaging the upper ends of said standard, said nut provided with a downwardly disposed collar, said collar provided with a plurality of apertures, said collar journaled on said extension, fastening elements, said fastening elements adapted for insertion in said apertures and said groove for holding said collar on said extension, said nut employed for slidably moving said upper hinge member toward or from said lower hinge member, support arms comprising a plurality of link members hingedly attached at their central portion and ends to one another, the ends of a pair of said link members hingedly attached to said hinge plates, contact members hingedly attached at their upper end to the depending end of one of said link members, said contact members provided with elongated slots at their lower end for hingedly engaging the lower depending end of one of said links, thereby causing the angle of said link members to change when said nut is moved on said standard causing said contact members to move toward and away from said vertical standard, said lower hinge plate having a reduced extension cone-shaped at its free end, said end provided with a recess, a ball bearing assembly, a spherical ball, said assembly disposed within said base and supporting the upper part of said extension, said ball disposed in said recess and said base.

2,566,895
PROTECTIVE DEVICE
John W. Kalb, Barberton, Ohio, assignor to General Electric Company, a corporation of New York
Application August 23, 1949, Serial No. 111,907
6 Claims. (Cl. 315—347)

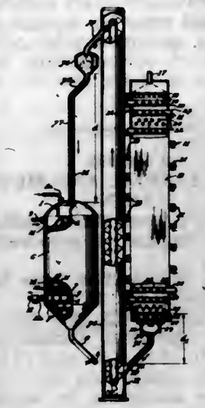


1. An electric circuit interrupter comprising a pair of abutting slabs of insulating material and a pair of spaced electrodes mounted between said slabs at the periphery thereof defining an arc gap, an enclosed arc chamber in communication with said gap and defined by the opposing surfaces of said slabs, said surfaces having a maximum spacing adjacent said electrodes converging progressively together at points remote from said gap and a winding mounted adjacent said slabs and connected electrically in series with said gap, the field produced by said winding when energized being effective to elongate and move an arc established between said electrodes to the convergence of said surfaces for extinguishment thereof.

2,566,896
METHOD OF SEALING HYDROCARBON CONVERSION HOUSINGS
Louis J. Kelly, Tenafly, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application December 31, 1947, Serial No. 794,956
3 Claims. (Cl. 196—52)

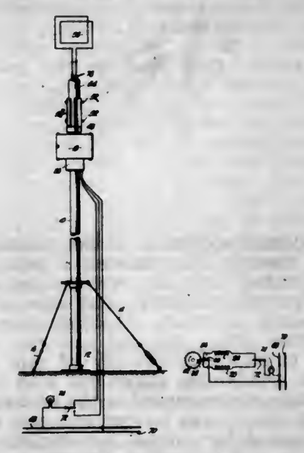
1. In a hydrocarbon conversion system in which solid contact material is passed cyclically through separate zones wherein said material is contacted with different gases under different gaseous pressures, the method of transferring said contact material between said zones while maintaining a substantial gas seal therebetween which comprises the steps of passing said contact material from the zone of lower gaseous pressure downwardly in a confined path as a compact moving column, elevating said contact material from the lower end of said column through an elongated confined path wherein the gaseous pressure is substantially uniform throughout, passing all said elevated contact material downwardly in a confined path from the upper end of said elongated confined path as a second compact moving column, introducing said contact material at the lower end of said second column into the contact zone of higher

pressure, and introducing a gaseous sealing medium at a low point in said second column to provide a pressure thereat greater than the pressure in said contact zone of higher pressure,



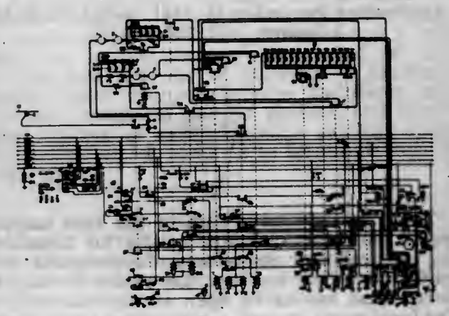
said confined paths and said elongated confined path providing a single continuous passage for countercurrent flow of said material and said sealing medium between said zones.

2,566,897
ELECTRICAL ROTATING APPARATUS FOR DIRECTIONAL ANTENNAE
Herbert G. Koenig, Merriam, Kans.
Application November 22, 1948, Serial No. 61,494
1 Claim. (Cl. 318—267)



Antenna rotating structure comprising a vertical support; a housing secured to said support; a vertical, antenna-rotating shaft extending upwardly from said housing and rotatably carried thereby; a pair of electric motors for selectively rotating said vertical shaft in opposite directions, each of said motors having a rotatable armature, said armatures being adapted for rotation in opposite directions upon energization of the motors; a horizontal shaft joining said armatures; a train of gears in said housing operably interconnecting the vertical shaft to said horizontal shaft between said armatures and including a gear mounted on the vertical shaft for rotation therewith; an electric circuit for each motor respectively; a pair of switches common to said circuits, one of said switches being mounted in the housing and having a resilient actuating arm normally disposed in closing relationship to both of said circuits, the other of said switches being normally open relative to both circuits and being adapted to alternately close the circuits to thereby selectively energize either of said motors; and a single pin mounted on the gear of said vertical shaft for rotation therewith around the axis of rotation of the vertical shaft, said actuating arm being disposed within the path of travel of said pin for movement thereby to a position opening one of the circuits when the pin is rotated in one direction and to a position in opening the other of said circuits when the pin is rotated in the opposite direction.

2,566,898
TRACTION VEHICLE CONTROL SYSTEM
Ira W. Lichtenfels, St. Louis, Mo., and Harold G. Moore, Wesleyville, Pa., assignors to General Electric Company, a corporation of New York
Application May 28, 1949, Serial No. 95,908
28 Claims. (Cl. 318—53)

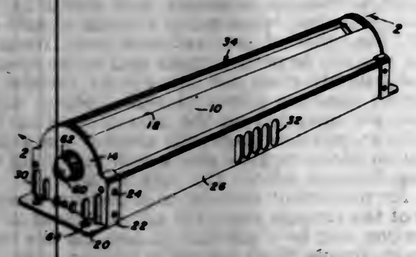


1. In an electric control system, the combination of a cam shaft actuated multiple contact controller, an electric motor adapted to drive said cam shaft, a notched index device arranged to be driven responsive to movement of said cam shaft, a notching interlock element adapted to engage the notches of said index device, power supply means for said motor, electric circuit means including a two-part switch for selectively energizing said motor from said power supply means for rotation of said cam shaft or for braking action thereof, mechanical means associated with said switch and with said notching interlock element for placing said switch under the control of said notching interlock element, and means associated with said switch for selectively rendering said mechanical means inoperative thereby to remove said switch from the control of said notching interlock element.

2,566,899
COMBINATION POULTRY FEED TROUGH
Ray A. Mangieri, New Kensington, Pa.
Application August 8, 1949, Serial No. 109,142
4 Claims. (Cl. 119—61)

1. A poultry feeder comprising an elongated open ended cylindrical casing, a pair of vertical end walls closing the ends of said casing and having lower horizontal flanges, attaching ears at the ends of said casing secured to and against the end walls, a pair of elongated vertical side walls paralleling said casing and having upper edges curved toward and engaging the casing, vertical attaching flanges on said end walls over-

lying the ends of said side walls and being secured to the ends of said side walls, and a feed



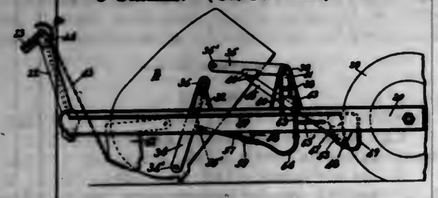
holding member rotatably supported in said casing.

2,566,900
ULTRA HIGH FREQUENCY ANTENNA SYSTEM
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1948, Serial No. 68,607
2 Claims. (Cl. 250—33.65)



1. In an antenna system of the type employing a parabolic reflector, means for illuminating said reflector comprising a rectangular wave guide extending through the center of said reflector and having an open end substantially at the focal point thereof, a conductive horn-shaped member having a transverse central wall facing said open end and having angular sides extending back over said end, and a conductive septum secured to and extending normal to said central wall and inserted along the longitudinal axis of said guide in a plane parallel to the pair of walls thereof having principal dimensions, said septum extending and secured within said guide to the other pair of walls thereof.

2,566,901
BOWL CONTROL FOR CARRY TYPE SCRAPERS
Leland T. McGee, Los Angeles, Calif.
Application February 28, 1947, Serial No. 731,625
5 Claims. (Cl. 37—129)



1. In a dirt scraper: a supporting frame with carrier wheels, a scraper bowl pivotally supported in said frame by levers, there being two levers between the opposite sides of said frame and the opposite sides of said scraper bowl toward its rearward end, and two levers between the opposite sides of said frame and the opposite sides of said bowl toward its forward end, power means operatively connected with said first mentioned levers intermediate their pivotally attached ends for moving the rearward end of said bowl, power means operatively connected with said secondly mentioned levers intermediate their pivotally attached ends for moving the forward end of said bowl, and means for controlling the application of said power means to said bowl supporting levers to move and tilt said bowl in its operation.

2,566,902
VITREOUS MATERIAL AND METHOD OF MAKING
Frank L. Michael, Dalton, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application June 29, 1948, Serial No. 35,971
10 Claims. (Cl. 106—39)

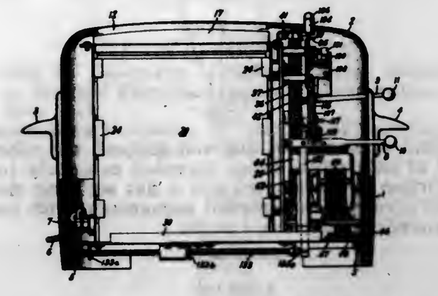
9. A vitreous electrical insulating material comprising 50% to 85% mica and 15% to 50% by weight of a binder comprising the vitrified product of a mixture consisting by weight of from 11% to 21% aluminum trihydrate, 7% to 21% of a carbonate selected from the class consisting of barium and strontium carbonates, 37% to 67% boric acid and 10% to 32% cryolite.

2,566,903
DENTAL APPLIANCE
Hugh G. Moran, St. Louis, Mo.
Application August 27, 1948, Serial No. 46,475
2 Claims. (Cl. 33—174)



1. In a dental appliance of the character described, a flexible plate having a reduced end portion provided with an aperture and a flared outer end portion having its end edge formed to provide spaced, angularly disposed, stepped portions, flexible arms mounted endwise on said plate and extending outwardly of said stepped portions in substantial alignment with the said aperture, an eyelet mounted in the said aperture, a relatively short arm having one end engaged with said eyelet for pivotal movements relative to said plate and depending therefrom, and an angled flexible arm having a relatively short end portion connected endwise with said short arm and a longer end portion extending forwardly below said plate and the lowermost of the first arms, said plate being adapted to be placed against a side of the face with the said eyelet centered over a condyle of the mandible and the outer ends of the first arms terminating in the vertical center of the face, with the said end of the uppermost arm at the ala of the nose, the like end of the intermediate arm in the occlusal plane of the teeth, and the like end of the lower arm at the center of the chin, the free end of the longer portion of the angled arm at the approximate point of the chin.

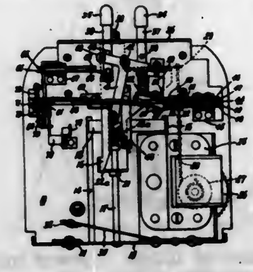
2,566,904
AUTOMATIC ELECTRIC TOASTER
John H. Palmer, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application August 31, 1949, Serial No. 113,306
6 Claims. (Cl. 99—329)



1. In an electric toaster, a main frame and housing enclosing the toasting chamber and supporting the operating mechanism, heating elements for the toasting chamber, a toast carriage slidably supported by said frame for reciprocating movement between toasting and non-toasting positions, resilient means biasing said carriage to its non-toasting position, an electric motor for driving said carriage from its non-toasting to its toasting position against the action of said resilient means, said motor remaining in a stalled position while said carriage is in toasting position, contacts closing a circuit through said heating elements upon movement of said carriage to toasting position, and thermostatic means for interrupting supply of power to said motor whereupon said resilient means tends to return said carriage to non-toasting position, said thermostatic means comprising a bimetallic element adjacent each toast-receiving slot within said toasting chamber, a set of normally closed contacts associated with each of said bimetallic elements movable to open position upon heat responsive motion thereof, and a color control lever operable from a point external of said toaster to change the position of engagement of each of said bimetallic elements with respect to its corresponding contacts, all of said bimetallic elements opening said contacts prior to opening of said motor circuit.

2,566,905
AUTOMATIC ELECTRIC TOASTER
John H. Palmer, Milford, Conn., assignor to General Electric Company, a corporation of New York
Application August 31, 1949, Serial No. 113,307
5 Claims. (Cl. 99—329)

5. An automatic electric toaster comprising a toast carriage movable between non-toasting and toasting positions, means biasing said carriage to its non-toasting position, a torque motor for driving said carriage to and for retaining it in toasting position, said motor remaining in an energized stalled postion when said carriage is in toasting position, a first set of motor contacts resiliently biased to closed position, magnetic means retaining said contacts in open position, a second set of motor contacts adjacent said first set and electrically connected in parallel, said motor being connected across a power source in series with said contacts, a bimetallic element having a movable portion positioned intermediately said first and second sets of contacts, an electric heater for said bimetallic element connected across said power source, a switch for said heater operating from closed to open position in synchronism with said first set of motor contacts, a starting member manually movable for effecting closure of said first set of contacts



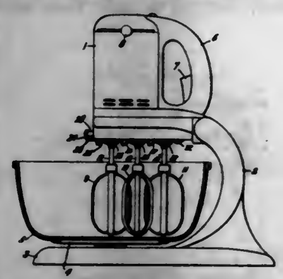
by overcoming said magnetic means, said bimetallic element having a cool position retaining said second set of contacts open and a heat responsive motion closing said second set and opening said first set of contacts in sequence, whereby said magnetic means maintains said first set of contacts in open position and subsequent cooling of said bimetallic element opens said second set of contacts to terminate toaster operation.

2,566,906
PURE SMOKE PIPE
Edward A. Rinkhoff, Belle Vernon, Pa.
Application August 29, 1946, Serial No. 693,722
1 Claim. (Cl. 131—195)



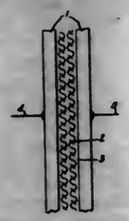
In a smoker's pipe, the combination which comprises a bowl having a stem with an opening through the stem extending into the bowl and having an internally threaded vertically disposed cylindrical chamber positioned at the intersection between the bowl and stem and extending from the lower to the upper surfaces thereof, a condensing plug having a vertically disposed centrally positioned air passage therethrough with enlarged threaded bosses at the ends and with the intermediate part thereof between the said threaded bosses relieved providing a flat comparatively thin shank connecting the said threaded bosses, and with the edges of the shank threaded, the outer surface of the threaded boss at one end of the condensing plug having a screw-driver slot therein for screwing the plug into the cylindrical chamber of the pipe with the ends of the plug flush with the upper and lower surfaces of the bowl and with the relieved sections of the plug communicating with the opening extending from the stem into the bowl of the pipe, and with the said threaded edges of the flat intermediate portion of the shank having recesses therein adjacent the threaded boss at the upper end of the plug providing communicating means between the stem and bowl of the pipe through the relieved parts of the shank of the plug in the pipe.

2,566,907
MIXER BEATER EJECTOR
Alastair Robertson, deceased, late of Monroe, Conn., by William A. Robertson, executor, Ridgefield, Conn., assignor to General Electric Company, a corporation of New York
Application May 27, 1950, Serial No. 164,743
11 Claims. (Cl. 259—1)



1. In a household mixer, a power unit including a driven spindle, a beater element having a shaft receivable in telescopic driving relation with said spindle, resilient means for retaining said shaft in said driving relation with said spindle, and an ejector to release said shaft from said resilient retaining means, said ejector comprising a plate slidably mounted on said power unit adjacent said spindle to move in a plane at right angles to the axis of said shaft, a projecting portion on said plate, a member on said shaft in a position adjacent said spindle when said shaft is in operative engagement with said spindle, said projecting portion and said member being shaped to form an upwardly sloping cam and cam follower structure engageable by a lateral sliding movement of said plate to eject said shaft from engagement with said spindle.

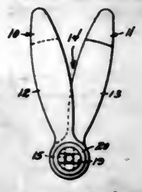
2,566,908
ELECTROLYTIC CAPACITOR
Ralph A. Ruscetta, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 28, 1949, Serial No. 135,330
4 Claims. (Cl. 175—315)



1. An electrolytic capacitor comprising cooperating armatures of tantalum, spacers and an electrolytic medium consisting of fifty to eighty-five percent phosphoric acid, the remainder being water.

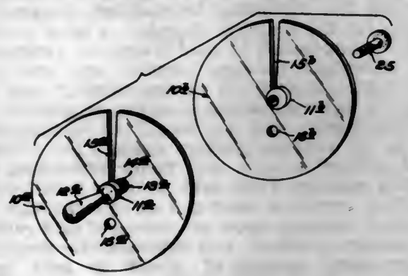
2,566,909
RAZOR BLADE SHARPENING DEVICE
Augusto San Cristóval, Lima, Peru
Application August 10, 1949, Serial No. 109,543
1 Claim. (Cl. 51—214)

A razor blade sharpening device comprising a pair of sharpening elements, each of said sharpening elements being provided with a plurality of spaced parallel teeth, said teeth having their exterior surfaces shaped arcuately, the teeth of one of said sharpening elements being interposed between the teeth of said other sharpening element, there being registering openings arranged in each of said teeth, pivot means including a pintle projecting through said teeth and having



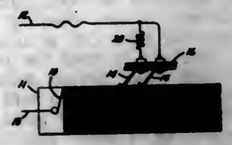
a head arranged on one end thereof, the other end of said pintle being threaded exteriorly for a portion of its length, and a flat securing element arranged in threaded engagement with the threaded portion of said pintle.

2,566,910
APPARATUS FOR MAKING PLATS
John B. Scheel, Washington, D. C.
Application November 10, 1948, Serial No. 59,226
10 Claims. (Cl. 28—2)



1. A device for forming plats, by winding strips of rag and the like in generally spiral convolutions and thereafter joining the wound convolutions of the strips together, which comprises a hub portion, a pair of end plates carried by said hub portion, said end plates being spaced apart to provide a zone substantially defining the cross-sectional shape of the plat, at least one of said end plates having an opening therethrough positioned radially outward of the hub area for applying joining means to the convolutions of the plat, at least one of said end plates being transparent, and means releasably securing at least one of said end plates to said hub portion.

2,566,911
VARIABLE RESISTANCE
Benjamin B. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1949, Serial No. 112,722
11 Claims. (Cl. 201—62)



1. A variable resistor comprising a resistance wire wound in a plurality of turns on a support, a pair of electric contacts, means for supporting said contacts in spaced relation with each other in contact with said resistance wire, said support being movable along said resistance wire thereby to move said contacts over said turns, electric connections for connecting said contacts together, a resistance included in said connections with at least one of said contacts, said electrically interconnected contacts together comprising one outgoing resistor connection.

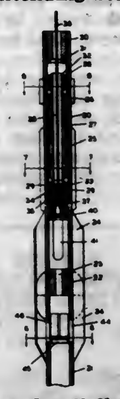
2,566,912
STRAIN RELIEF DEVICE
Ralph H. Stotenbur, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 30, 1947, Serial No. 794,490
1 Claim. (Cl. 173—322)



In an electrical apparatus, a container having an electric device positioned therein and provided with a pair of adjacent terminal leads electrically connected to and extending from said device, a plate cover having a pair of apertures therein closing one end of said container, said apertures being substantially and respectively aligned with said leads, a lead lock comprising a relatively thin plate having a pair of oppositely disposed V-shaped notches in opposite edges thereof, said lead lock being positioned between said device and said cover and between said leads, one of said leads being helically threaded from one side of said lock through one of said notches and through the cover aperture aligned with the other lead and the other of said leads being helically threaded from the opposite side of said lock through the other of said notches and through the cover aperture aligned with said one lead.

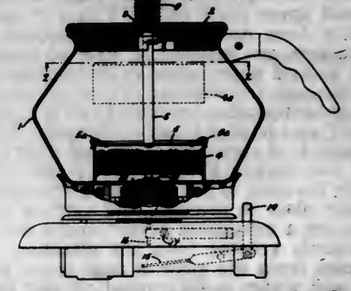
2,566,913
CABLE DRILLING TOOL
George R. Watson, Waukegan, Ill.
Application April 15, 1949, Serial No. 87,803
6 Claims. (Cl. 255—27)

1. A device of the character described comprising in combination, a tubular main body, provided with a hollow cutter head at its lower end, a top collar inserted into its upper end and a hollow anvil inserted therein, a hollow jar body slideably disposed within said main body between said anvil and said top collar, said jar body being shorter than the distance between said anvil and top collar and employed to drive said cutter head, a cable disposed longitudinally within said top collar and jar body and extending outward therefrom for supporting and actuating said jar body, a mandrel attached to the lower end of said cable, a split mandrel bushing rotatably supported by the lower end of said jar body, said mandrel retained by said bushing, means for retaining said mandrel in rotatable engagement with the inside of said bushing, longitudinal slots through the walls of said main body, said slots of a diameter to permit removal of said mandrel and bushing, said cutter head having a sharp inwardly bevelled outer edge around its entire lower periphery, a plurality of chisel members extending inward from the walls of said hollow cutter head, said chisels having vertical front surfaces and bevelled rear surfaces and extending below the outer edge



of said cutter head and radially formed wings extending outward from said tubular main body above said cutter head to aid in revolving said cutter head and body, said wings extending outward to a diameter less than the diameter of the cutter head.

2,566,914
SINGLE BOWL COFFEE MAKER WITH SPRING-BIASED COFFEE BASKET
Joseph C. Worst, Trenton, N. J., assignor to General Electric Company, a corporation of New York
Application October 18, 1950, Serial No. 190,682
1 Claim. (Cl. 99—282)



In a coffee maker having a single bowl, a cover on said bowl having an aperture therethrough, a rod extending downward through said aperture into said bowl having a knob portion secured to the upper end thereof and having a circumferential recess therearound adjacent said cover, a collar device interposed in said aperture between said rod and said cover, a latch for engaging said rod in said recess having one end thereof pivotally mounted to said collar device and having a slot in the other end thereof, a bimetallic temperature responsive member having one end secured to said cover and having the other end thereof engaged with said latch in said slot in the end thereof for pulling said latch out of engagement with said rod in response to the attainment of a predetermined temperature level within said bowl, a spring disposed in compression between said cover and said knob portion for raising said rod in response to the release of said
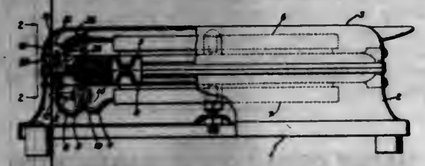
rod from said latch, a foraminated disk secured to the lower end of said rod in a plane perpendicular to the axis of said rod, a coffee receiving basket having the bottom thereof foraminated and having the sides thereof extending a determinable distance below the bottom thereof for channeling heated water through the foraminated portion thereof, said bowl and said basket having irregularities in the surface thereof for permitting water seepage therebetween, snap means for securing said basket to said foraminated disk so that said disk covers the top of said basket, electric heating means for supplying heat to said bowl, and means controlling said heating means operable responsively to the temperature level within said bowl.

2,566,915

HINGE CONSTRUCTION FOR ELECTRIC HEATING DEVICES

Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York

Application October 1, 1948, Serial No. 52,383
1 Claim. (Cl. 99—379)



In an electric heating device, the combination comprising a pair of upper and lower correspondingly aligned plates, an outer shell covering said upper plate, heating elements for said plates, a pair of vertically slotted supporting brackets mounted at spaced points on said lower plate and extending through said upper plate within said shell, said upper plate having a pair of apertures extending from an edge thereof through which said brackets are inserted, a pair of hinge pins secured to said upper plate each respectively inserted through the vertical slot of an associated one of said supporting brackets to form a vertically slidable and pivotal hinge connection, said shell having a pair of apertures extending from an edge thereof and aligned to said upper plate apertures to enable the shell to pass over said brackets when the upper plate is pivoted, said vertical bracket slots having a maximum height above said lower plate slightly greater than the distance of said hinge pins from the edge of said upper plate to enable said plates to be pivoted on said hinge to a maximum open position slightly more than 90 angular degrees apart and each bracket having a flange at the top arranged to come in contact with said upper plate at said maximum open position whereby said upper plate is supported in said maximum open position by each flange, each hinge pin at the top of its associated bracket slot, and the outer surface of said shell resting on said lower plate.

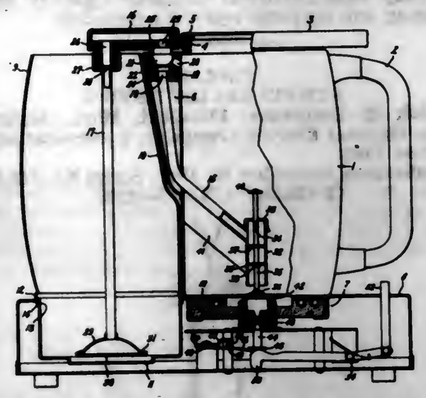
2,566,916

SIDE-BY-SIDE COFFEE MAKER

Allan M. Young, Meriden, Conn., assignor to General Electric Company, a corporation of New York

Application December 24, 1948, Serial No. 67,137
2 Claims. (Cl. 99—282)

1. In a coffee maker, a coffee brewing receptacle, a water heating receptacle having a sealable cover and removably positioned beside said brewing receptacle, said heating receptacle having a spout and liquid transferring means communicating from said spout to a point adjacent the bottom of said heating receptacle, a tube having one end extending into said brewing receptacle and its other end separably connected in a fluid tight manner within said spout, said separable connection comprising a bulb-shaped resilient plug tightly encircling said other end of said tube and a hollow cylindrical sealing member secured to the inner wall of said spout and having a socket adapted to receive said plug, said socket having a ring embedded in its upper surface under which said plug is retained.

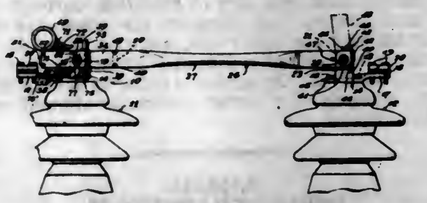


2,566,917

HIGH-VOLTAGE ELECTRIC SWITCH

James G. Armstrong, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application March 16, 1950, Serial No. 150,041
4 Claims. (Cl. 200—162)



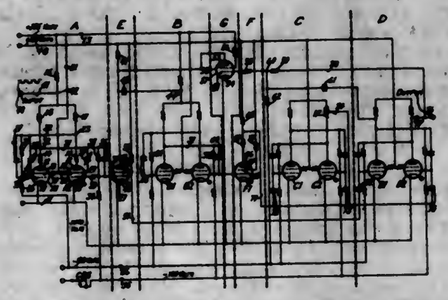
4. In a high voltage switch, the combination of a support with a pair of insulators, each of said insulators having a metal cap provided with threaded bores, a fixed contact terminal carried by the cap of one insulator, a pivot terminal fitting carried by the other insulator and secured thereto by threaded members, said pivot terminal having a pair of upwardly extending spaced parallel pivot columns, and a movable switch arm pivotally mounted on said columns, said switch arm comprising a pair of blade members, the said blade members each comprising a tubular metal member having both of its ends flattened to provide inner plane contacting surfaces, the tubular portions intermediate the ends extending diagonally outward toward the pivot terminal columns, and the flatttened end portions adjacent said columns being pivotally mounted on said columns by clamping screw bolts, each screw bolt having a spring washer for resiliently pressing the flattened portions against the pivot columns to reduce contact resistance, the said pivot columns being provided on their upper ends with upwardly extending shoulders, and the blades being provided with aligned apertures adjacent said columns and with a through stop pin in said apertures and located to engage said upwardly extending shoulders when the arm is opened and moved to an upwardly extending position, said fixed contact terminal comprising a supporting base and a pair of longitudinally spaced upwardly extending prongs separated by a slot, said prongs being of slightly greater width than the spacing between the adjacent flattened end portions of the switch blades, the switch blades being provided with a pair of elongated flattened portions arranged on opposite sides of said prongs and spaced from each other in parallel relation by a tubular spacer and a through securing member at each end of said latter flattened portions, and said parallel flattened portions being traversed at the slot between said prongs by a transversely extending bolt provided with a threaded securing member, and having spring means on said bolt outside of each flattened portion to press the flattened portions together against the prongs and to permit their separation sufficiently to receive the prongs.

2,566,918

BINARY-DECADE COUNTER

Carl A. Bergfors, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 1, 1948, Serial No. 62,852
15 Claims. (Cl. 250—27)



15. A counter comprising chain connected trigger circuits and including a first trigger circuit having, per se, the highest operating speed; a second trigger circuit having, per se, the next highest operating speed, and a subsequent trigger circuit in the chain having, per se, a lower operating speed; each trigger circuit including a pair of grid controlled tubes; and a plural grid tube connected between the first and second trigger circuit for controlling the stable condition of the second trigger circuit; said plural grid tube having its control grid connected to a control grid of one of the tubes of the first trigger circuit whereby said first trigger circuit is operable at a speed commensurate with its maximum individual operating speed.

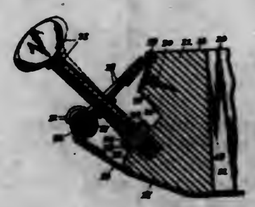
2,566,919

SILK SCREEN STENCIL APPARATUS

James A. Black and Edwin A. Stouten, Grand Rapids, Mich., assignors to Continental Decalcomania Company, Grand Rapids, Mich., a corporation of Michigan

Application June 21, 1947, Serial No. 756,168
2 Claims. (Cl. 101—415.1)

1. A stenciling apparatus of the silk screen type comprising a mounting frame, a flexible fabric stencil screen extensible across the frame at the underside thereof and adapted to contact a side of the frame, the screen having an edge portion formed with an open-end hemmed margin, an elongated substantially rectangular plate of a length substantially equal to the length of a side of the frame, said plate being hinged along a longitudinal edge portion thereof to said side of the frame at its upper outer edge on a line remote from the line of contact between the fabric screen and the adjacent underside of the frame, the hinged plate having at its free edge a longitudinally extending open-end tubular part fixedly secured thereto, said tubular part having a restricted longitudinal opening therein, a rod with a smooth end and a diameter conformable with the interior of the tubular part and larger than the restricted longitudinal opening in the tubular part for insertion into the hemmed margin of the fabric screen while within said tubular part for retaining the hemmed margin within the interior of the tubular part, and thumb screws threaded through openings formed in said plate with the ends of the screws in contact with the outer face of the adjacent side of the frame for causing the plate to swing outwardly from the frame to impose tension on the fabric screen.

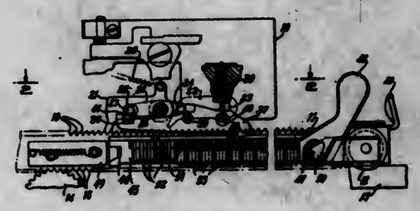


2,566,920

SKIP BAR FOR PUNCHING MACHINES

Samuel Brand, Binghamton, and James Mason Cunningham, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 21, 1946, Serial No. 656,045
3 Claims. (Cl. 164—113)



1. A carriage escapement device for a record punching machine comprising an escapement rack, a skip bar detachably secured to said rack, a dog normally engaging said rack to hold it against movement, a lever having a camming edge, a skip lifter cooperable with said camming edge to raise and hold the dog out of engagement with the rack to free the rack for a skipping movement, and an element carried by the skip bar for moving the said lever away from the skip lifter whereby the skip lifter will be released to enable the dog to drop back into engagement with the rack.

2,566,921

ACID-RESISTANT ELECTRICAL IMMERSION HEATER

Earnest H. Briscoe, Columbus, Ohio, assignor, by mesne assignments, to Briscoe Manufacturing Company, Columbus, Ohio

Application June 26, 1948, Serial No. 35,445
3 Claims. (Cl. 219—41)



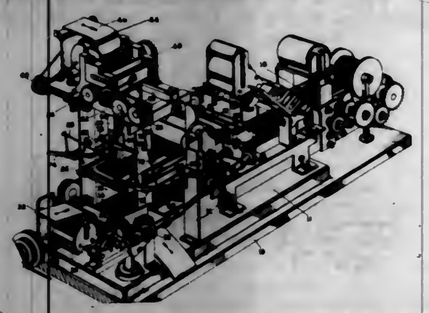
1. An electrical immersion heater comprising a continuous convoluted flat coil of electrical resistance wire providing a heating element and having an insulating covering of glass fibers; a flexible backing of glass fabric mounting said coil of resistance wire on one side thereof with the individual convolutions disposed in spaced non-shorting relation; lead wires electrically connected with the respective ends of said resistance wire and extending outwardly from said backing through which operating current may be supplied to said heating element; and an outer coating of an acid-resistant semi-rigid synthetic resin completely covering said heating element, the insulating covering therefor, said backing and at least a part of said lead wires adjacent said backing.

2,566,922

COMBING MECHANISM FOR CROSS-LAYING MACHINES

Carl D. Brown and George E. Repass, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application April 8, 1947, Serial No. 740,150
9 Claims. (Cl. 19—161)



1. In a method of forming a cross-laid fibrous web, the steps of conveying a first layer of aligned fibers in a direction longitudinally of the layer and of the fibers therein and depositing in overlying relationship thereto a second layer of fibers so that the fibers therein are disposed transversely to the direction of the fibers of the first layer, and rearranging the fibers in the second layer as they are deposited upon the first layer to even out thick and thin portions by applying tension to the layer, and, while it is under tension, rapidly moving a plurality of pointed elements into and out of the fibrous material.

2,566,923

ONE-PHASE ANTIRUST LIQUID CONTAINING AN ALKALI METAL BORATE AND MIXED MONORICINOLEATE ESTERS

Lloyd M. Burghart, Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application November 13, 1947, Serial No. 785,826
13 Claims. (Cl. 252—76)

1. A concentrated one-phase anti-corrosive liquid solution suitable for addition to water contained in the cooling system of an internal combustion engine to inhibit the corrosion therein, the said liquid consisting essentially of a solvent the non-aqueous constituents of which consist essentially of from about 65 to about 95% by volume of a material selected from the group consisting of ethylene glycol and propylene glycol and from about 5 to about 35% by volume of a material selected from the group consisting of i-propanol, n-butanol and tert.-butanol, and, dissolved therein, from about 0.005 to about 0.05 gm. of an alkali metal nitrite per ml. of glycol-alcohol solvent, from about 0.10 gm. to about 0.20 gm. of an alkali metal metaborate per ml. of glycol-alcohol solvent, and from about 0.15 gm. to about 0.50 gm. of mixed ethylene glycol-glycerol monoricinoleates per ml. of glycol-alcohol solvent.

2,566,924

ONE-PHASE ANTIRUST LIQUID CONTAINING AN ALKALI METAL BORATE AND A LONG-CHAIN ALCOHOL

Lloyd M. Burghart, Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application November 13, 1947, Serial No. 785,827
16 Claims. (Cl. 252—76)

1. A concentrated one-phase anti-corrosive liquid solution suitable for addition to water contained in the cooling system of an internal combustion engine to inhibit the corrosion therein, the said liquid consisting essentially of a solvent the non-aqueous constituents of which consist essentially of from about 65 to about 95% by volume of a material selected from the group consisting of ethylene glycol and propylene glycol and from about 5 to about 35% by volume of a material selected from the group consisting of i-propanol, n-butanol and tert.-butanol, and, dissolved therein, from about 0.005 to about 0.05 gm. of an alkali metal nitrite per ml. of glycol-alcohol solvent, from about 0.10 gm. to about 0.25 gm. of an alkali metal metaborate per ml. of glycol-alcohol solvent, and from about 0.05 gm. to about 0.25 gm. of a saturated, aliphatic, monohydric alcohol having from eight to fourteen carbon atoms per ml. of glycol-alcohol solvent.

2,566,925

ONE-PHASE ANTIRUST LIQUID CONTAINING TRIETHANOLAMINE METABORATE, TRIETHANOLAMINE, AND MIXED MONORICINOLEATE ESTERS

Lloyd M. Burghart, Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application November 13, 1947, Serial No. 785,828
8 Claims. (Cl. 252—75)

1. A concentrated one-phase anti-corrosive liquid solution suitable for addition to water contained in the cooling system of an internal combustion engine to inhibit the corrosion therein, the said solution consisting essentially of an organic solvent which consists essentially of from about 65 to about 95% by volume of at least one glycol selected from the group consisting of ethylene glycol and propylene glycol and from about 5 to about 35% by volume of at least one monohydric alcohol selected from the group consisting of i-propanol, n-butanol and tert.-butanol, up to about 0.50 gm. of water per ml. of glycol-monohydric alcohol solvent, and dissolved therein, from about 0.005 to about 0.05 gm. of an alkali metal nitrite per ml. of glycol-monohydric alcohol solvent, from about 0.10 gm. to about 1.00 gm. per ml. of glycol-monohydric alcohol solvent of a metaborate of at least one amine selected from the group consisting of the ethanolamines, the propanolamines and diacetonealkamine, from about 0.10 to about 0.30 gm. per gm. of said metaborate of at least one amine selected from the group consisting of the ethanolamines, the propanolamines and diacetonealkamine, and from about 0.15 gm. to about 0.60 gm. of mixed ethylene glycol-glycerol monoricinoleates per ml. of glycol-monohydric alcohol solvent.

2,566,926

ONE-PHASE ANTIRUST LIQUID CONTAINING TRIETHANOLAMINE METABORATE, TRIETHANOLAMINE, AND A LONG-CHAIN ALCOHOL

Lloyd M. Burghart, Darien, Conn., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia

No Drawing. Application November 13, 1947, Serial No. 785,829
12 Claims. (Cl. 252—75)

1. A concentrated one-phase anti-corrosive liquid solution suitable for addition to water contained in the cooling system of an internal combustion engine to inhibit the corrosion therein, the said liquid consisting essentially of a solvent the non-aqueous constituents of which consist essentially of from about 65 to about 95% by volume of a material selected from the group consisting of ethylene glycol and propylene glycol and from about 5 to about 35% by volume of a material selected from the group consisting of i-propanol, n-butanol and tert.-butanol, and, dissolved therein, from about 0.005 to about 0.05 gm. of an alkali metal nitrite per ml. of glycol-alcohol solvent, from about 0.10 gm. to about 1.0 gm. per ml. of glycol-alcohol solvent of a metaborate of a material selected from the group consisting of the ethanolamines, propanolamines and diacetonealkamine, from about 0.10 to about 0.30 gm. per gm. of said metaborate of an amine selected from said last-mentioned group, and from about 0.15 gm. to about 0.35 gm. of a saturated, aliphatic, monohydric alcohol having from eight to fourteen carbon atoms per ml. of glycol-alcohol solvent.

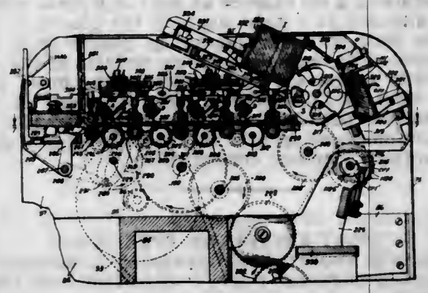
2,566,927

RECORD FEEDING DEVICE

Fred M. Carroll, Binghamton, and Arthur F. Smith, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application November 28, 1942, Serial No. 467,244. Divided and this application December 29, 1945, Serial No. 638,343
2 Claims. (Cl. 271—10)

1. In a record controlled tabulating machine for analyzing data indicia on records, a pair of record sensing means spaced along the path of the records to analyze said indicia of a record successively, a magazine for holding said records, a main operating mechanism, a picker device for issuing said records out of said magazine one by one and into said path in succession, clutching means for connecting said picker device to the main operating mechanism, a record feeding means for carrying an issued record along said path and through said sensing stations in succession, said feeding means including planetary gearing and a holder for said gearing, a clutch for said feeding means, said gearing and said clutch being interposed between the main



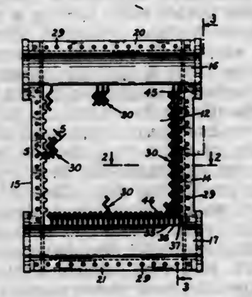
operating mechanism and said feeding means, and a cam for oscillating said holder to produce alternating fast accelerated and slow decelerated advance motions of a record, the first half oscillation for slow deceleration coinciding with the record analyzing part of the cycle while the record is sensed at the first sensing means, and the second half oscillation for fast acceleration coinciding with the non-sensing part of the cycle while the record is advancing to the second sensing means, whereby said feeding means is controlled to accelerate the movement of a record between record analyses and then decelerate the movement of the record during record analysis.

2,566,928

HEAT EXCHANGE APPARATUS

Bernard M. Carter, Montclair, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

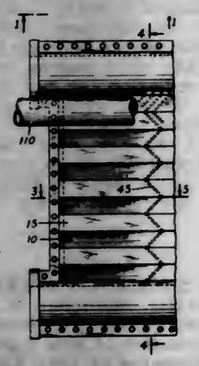
Application December 10, 1947, Serial No. 790,735
9 Claims. (Cl. 257—245)



1. Heat exchange apparatus comprising a pair of spaced apart side wall sections, a plurality of inwardly projecting relatively Z-shaped ribs attached to the inner face of each of said sections, a plurality of outwardly projecting relatively Z-shaped ribs attached to the outer face of each of said sections, said inner ribs of both sections being so formed that at least a plurality of por-

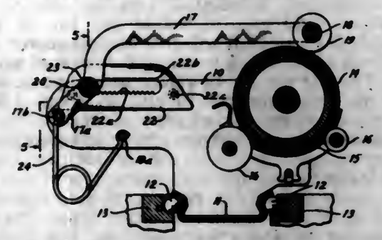
tions of the inner edges of corresponding inner ribs on opposed sections substantially abut, to thereby provide between said sections a plurality of restricted passageways thru which a fluid is adapted to flow, each of said inner ribs of both sections comprising angular, sharply formed convex and concave portions connected by short inclined portions, said inclined and convex and concave portions being so associated and arranged as to cause fluid within a channel between two adjacent inner ribs on the same section to be projected successively across the channel from one rib to the adjacent rib, said inner ribs being spaced so that the apex of each convex surface of a rib extends at least to a plane which is disposed at a right angle to the planes of the side wall sections and which passes thru the apices of the adjacent convex surfaces of the adjacent rib on the same section; the outer ribs of each of said sections being disposed in coextensive but offset relation to the inner ribs on a common section, said wall sections being of substantially identical construction.

2,566,929
HEAT EXCHANGE APPARATUS
Edwin R. Lopker, East Orange, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
Application December 10, 1947, Serial No. 790,848
6 Claims. (Cl. 257—256)



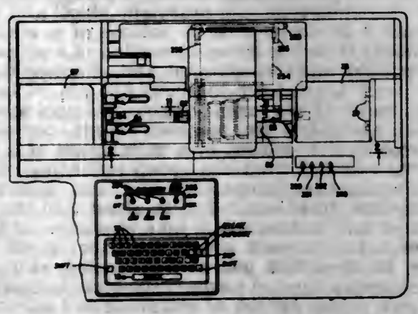
3. Heat exchange apparatus comprising front and rear side plates each having a side wall section, a header portion adjacent the top and the bottom of each wall section, means connecting said plates to form a unitary structure having a top and a bottom header, said side wall sections being substantially Z-shaped in vertical section and being spaced apart from each other, the terminal slopes of each wall section adjacent said headers being substantially parallel, a plurality of inwardly projecting ribs attached to the inner face of each wall section, the transverse surfaces of said ribs lying in planes at an angle to a plane passing through the longitudinal axes of said headers, said ribs having a substantially Z-shaped projection on a plane passing through the longitudinal axes of said headers, the terminal slopes of each of said inner ribs adjacent said headers being substantially parallel, said ribs of both wall sections being formed so that at least a plurality of portions of the inner edges of corresponding ribs on opposed sections substantially abut, thereby to provide between said wall sections a plurality of restricted fluid passageways connecting said headers.

2,566,930
PAPER BAIL MECHANISM FOR TYPEWRITERS
Chester W. Crumrine, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 23, 1948, Serial No. 40,221
10 Claims. (Cl. 197—128)



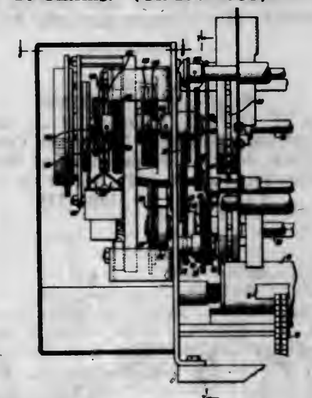
1. In a typewriting or like machine having a platen, a paper bail mechanism comprising a paper bail including a cross-bar having a plurality of bail rollers for pressing work sheets against the platen and a pair of side arms for said cross-bar, a cross shaft pivotally supporting said arms and having its ends provided with gear teeth adjacent said arms; a pair of racks, one for each side arm and meshing with said gear teeth, said gear teeth rolling over said racks to permit the bail rollers to be withdrawn from the platen and, when so withdrawn, maintaining the shaft parallel with the platen; and spring means coacting with said arms to yieldingly hold said rollers in engagement with said platen or in withdrawn position.

2,566,931
RECORD CARD PUNCHING MACHINE
James M. Cunningham and Arthur F. Smith, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 23, 1948, Serial No. 61,662
24 Claims. (Cl. 164—113)



1. In a machine for perforating a record card having a plurality of multicolumnar decks of data receiving positions, one deck above the other, a row of punches extending over all decks, a row of sensing elements extending over all decks, a carriage supporting a record card and a pattern card prepunched over all decks and movable to cause the record card to traverse the row of punches and the pattern card to traverse the row of sensing elements, mechanism for moving the carriage, a set of character representing keys, devices responsive to the operation of one of said keys for selecting the punches to effect perforations in a column of one of the decks representative of the operated key, further means responsive to the operation of said key to cause operation of the selected punches and devices concurrently controlled by said sensing elements to select punches to effect perforations in the same column of the remaining decks in duplication of data in the corresponding positions in the pattern card, said key causing all selected punches to effect punching concurrently.

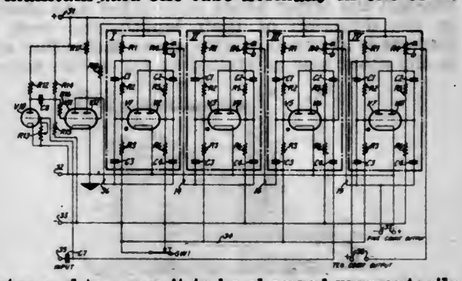
2,566,932
PAPER FEEDING MECHANISM
Jonas E. Dayger, Binghamton, and Edwin M. Hollis, Owego, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 25, 1948, Serial No. 51,282
10 Claims. (Cl. 197—133)



1. In a machine for recording on multiple strips, a driving means, means for feeding an original strip, a clutch between said driving means and said feeding means, a stop emitter with connections to said feeding means to move in synchronism therewith, electrical means cooperating with said emitter and clutch for predetermining the recording positions on the original strip, means for feeding a second strip, a second clutch for connecting the feeding means of the second strip to the feeding means of the first strip, and means for operating said second clutch to secure duplicate recordings.

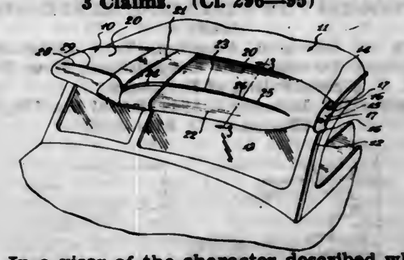
2,566,933
ELECTRONIC COUNTER
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 21, 1947, Serial No. 787,376
2 Claims. (Cl. 250—27)

1. An electronic counter comprising a plurality of trigger circuits, each having two conditions of stability to which it may be switched alternately by the proper application threto of operating voltage impulses; circuit means connecting said trigger circuits in a series chain; a source of discrete input operating impulses connected to a predetermined trigger circuit, other than the first and second trigger circuits in the chain, to permit an input impulse to switch said predetermined trigger circuit from only a predetermined one of its stable conditions; said circuit means including connections whereby each trigger circuit, except the highest, upon being individually switched to a particular one of its stable conditions transmits an operating impulse to the next higher trigger circuit effective to switch it from either stable condition unless that next higher trigger circuit is said predetermined trigger circuit in which case the transmitted impulse is effective to switch it from the condition opposite said predetermined one condition thereof; a pair of grid-controlled electronic vacuum tubes connected in parallel with each other and having a common output circuit, each of said tubes having two opposite states with respect to conductivity; a grid circuit for one of said tubes coupled to said source to maintain said one tube normally in one of its



states and to cause it to be changed momentarily to its opposite state by each impulse from the source; and a grid circuit for the other tube coupled to said predetermined trigger circuit to maintain said other tube normally in one of its states and to cause it to be in its opposite state only whenever said predetermined trigger circuit is in said predetermined one stable condition; said output circuit being coupled to said first trigger circuit to supply thereby an operating impulse to said first trigger circuit upon the occurrence of a source impulse while the other tube is in said one of its states only.

2,566,934
COMBINED VEHICLE WINDSHIELD SHADE AND TRAFFIC SIGNAL FINDER
Richard E. Dieterich, River Forest, Ill.
Application July 6, 1949, Serial No. 103,313
3 Claims. (Cl. 296—95)

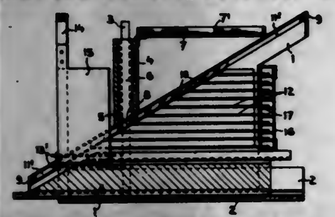


1. In a visor of the character described which has an opaque panel member arranged in shading relationship to the windshield of an automobile, a traffic signal finder which comprises a series of narrow slits arranged end to end in a single line in the visor panel across the line of vision of the driver, and being of such vertical dimension as to permit only a narrow slit of light to enter into the automobile, while permitting the driver to encompass a substantial area by looking out therethrough.

2,566,935
DEVICE FOR DIVIDING COINS INTO GROUPS AND FOR PACKING SUCH GROUPS
Albert Frei, Zurich, Switzerland
Application August 28, 1950, Serial No. 181,892
In Switzerland September 6, 1949
8 Claims. (Cl. 133—8)

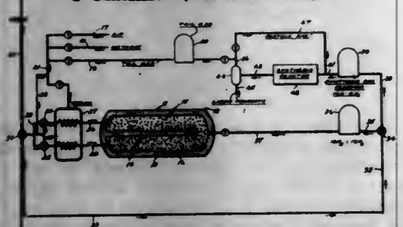
1. A device of the character described, comprising in combination a base plate; a wedge

shaped pusher of right-angled triangle shape longitudinally displaceable in said base plate; a vertical guide fixed to the base plate, a coin container which can be displaced in said guide by said pusher; a longitudinally slotted dividing plate engaged in the upper part of the pusher and arranged parallel to the inclined plane of the latter, which plate has a number of holes arranged side-by-side in the direction of its length; a number of guide rails corresponding to the number of holes in said dividing plate, arranged beneath the latter above each other and slotted in the direction of their length, the ends of these rails at one side lying above each other and at the other side extending as far as the associ-



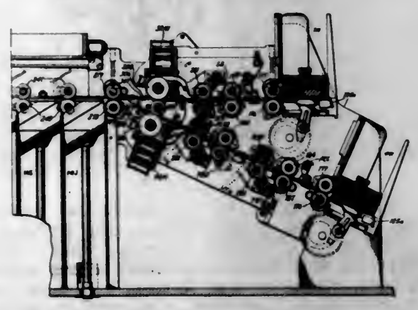
ated hole in said dividing plate; a stationary ejector carried by said base plate; and a holder adapted to be fastened to the ends of said guide rails which lie one above the other and which holder has a number of divisions corresponding to the number of holes in said dividing plate, said ejector on displacement of said wedge-shaped pusher passing through the slots which lie one above the other in said dividing plate and said guide rails and pushing thereupon the groups of coins falling out of said coin container through the holes in said dividing plate and which groups are all of the same height, into the divisions of said holder in which the coins can at all times be seen and counted.

2,566,936
PROCESS FOR PREPARING SYNTHESIS GASES
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application January 4, 1947, Serial No. 720,272
3 Claims. (Cl. 252—373)



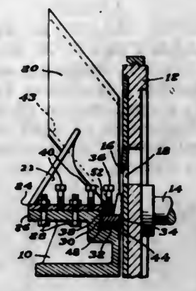
1. In the process for preparing a synthesis gas composed essentially of hydrogen and carbon monoxide in the molar ratio approximating 2:1 for the synthesis of hydrocarbons, oxygenated hydrocarbons and mixtures thereof, wherein a hydrocarbon gas and steam are passed in direct contact with a heated refractory material in a reaction zone, at a reaction temperature in the range at which the reactants interact endothermically to form hydrogen and carbon monoxide, and wherein the refractory material in the reaction zone is periodically heated to reaction temperature, the improvement which comprises effecting the conversion of the feed hydrocarbon gas into high yields of synthesis gas having a molar ratio of H_2 and CO of approximately 2:1 under substantially thermally self-contained conditions by the steps including passing a hydrocarbon gas in contact with the heated refractory material at a temperature in the range effective to substantially crack the hydrocarbon gas to form gaseous products of cracking and deposit resultant solid carbon upon the refractory material, recovering the said gaseous products of cracking, thereafter passing a mixture of additional hydrocarbon gas and steam in contact with the refractory material and carbon at a relatively lower temperature in the range at which steam reacts with both the deposited carbon and the hydrocarbon gas, and regulating the proportion of hydrocarbon gas and steam such that the oxidation product is a synthesis gas comprising hydrogen and carbon monoxide in the molar ratio of approximately 2:1.

2,566,937
SORTING MACHINE
Emerson W. Gifford, Teaneck, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 7, 1947, Serial No. 753,250
9 Claims. (Cl. 209—110)



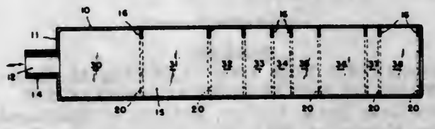
8. In a machine controlled by records in which alphabetic data is recorded by means of combinations of zonal designations representing groups of characters in sequence and group sequence designations representing the sequence relation within a zonal group, zone storage relays for storing all of the zonal designations of two sets of alphabetic data and having contacts closed combinationally to represent all the possible high-low sequence relations between the zonal designations in the two sets of alphabetic data, a series of denominational sets of comparing relays, each set comprising a high relay and a low relay, the high relay being controlled by all of the high sequence contact combinations and the low relay being controlled by all of the low sequence combinations of a single denomination of alphabetic data, said comparing relays having sets of contacts arranged in denominational order groups, one group for each denomination, to correspond with the common denominations of the two sets of alphabetic data; group sequence comparing means including pairs of members for each denomination, each member of a pair being settable to correspond with any one of the group sequence designations which may represent a letter in such denomination, denominational switching devices, each actuated by a pair of said members and set thereby to designate which of the group sequence designations of a corresponding denomination is lowest in sequence, and a series of sequence relation magnets jointly controlled by said comparing relay contacts and said denominational switching devices, one of said magnets being selected according to which set of alphabetic data is lowest in alphabetic sequence.

2,566,938
SEATING MEANS FOR WOOD CHIPPER BED KNIVES
Charles A. Johnson, Berlin, N. H.
Application May 13, 1948, Serial No. 26,767
5 Claims. (Cl. 241—92)



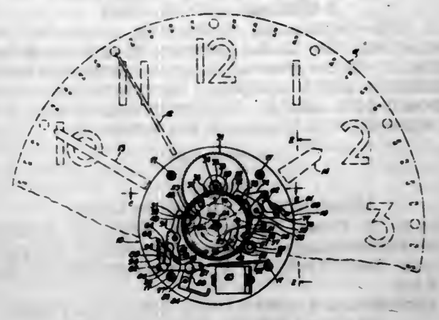
1. In a wood chipper having a rotating knife which cooperates with a stationary bed knife for chipping wood and an inclined spout for feeding logs downwardly to said cooperating knives, the combination comprising: a stationary base and a bed knife seat in said base for holding a stationary bed knife in operative relation to said rotating knife, said seat comprising a downwardly and rearwardly inclined seating surface and a back wall surface inclined upwardly and forwardly from the inner end of said seating surface at an acute angle thereto to form a reentrant recess facing the path of the rotating knife, said surfaces being adapted to engage and solidly support a bed knife having bottom and back surfaces inclined to each other at the same acute angle as the angle of intersection of the corresponding surfaces of said seat when such bed knife is seated in said seat whereby said bed knife may be adjusted toward the rotating knife solely by the insertion of shims positioned between the bottom surface of the bed knife and said seating surface.

2,566,939
MUFFLER WITH PLURAL SIDE BRANCH CHAMBERS
Howard R. Johnson, Pound, Va.
Application May 2, 1950, Serial No. 159,413
8 Claims. (Cl. 181—48)



1. A muffler including a cylindrical casing with a restricted inlet opening, a flat partition strip longitudinally dividing the casing into two equal portions, and a plurality of transverse baffles substantially closing the casing and forming chambers, each baffle having therethru a pair of openings of equal area, one in each longitudinal portion, the baffles being secured to the partition strip so the strip and the baffles may be removed as a unit from the casing.

2,566,940
SECONDARY CLOCK SYNCHRONIZING MECHANISM
Reynold B. Johnson and Edward F. Geiger, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 25, 1946, Serial No. 664,933
16 Claims. (Cl. 58—26)



1. In time-keeping apparatus, the combination of a driving motor adapted to operate continuously at a uniform time rate; a time member mounted for rotation about a given axis; clock-driving means connecting said motor and said time member for normally driving the latter at a uniform time-keeping rate; a clock-advancing member adjacent said time member and being rotatable about the same axis as the latter; a one-way coupling comprising a first coacting part secured to and rotatable with said time member and a second coacting part secured to and rotatable with said clock-advancing member and said coupling parts being movable in approximately the same circular path and being constructed so that said first part may move clockwise past said second part without affecting the condition of relative movement of said members and so that said second part, when moving clockwise at a faster rate than said first part and upon overtaking said first part, engages and drives said first part and time member at the rate of said clock-advancing member; means normally holding said clock-advancing member stationary in a predetermined angular position; signal-responsive means adapted to be operated by a signal transmitted at a predetermined instant with reference to standard time for rendering said holding means inoperative; motion-transmitting means including clutch mechanism also operable under the control of said signal-responsive means for connecting said motor and said clock-advancing member to rotate the latter from its normal angular position throughout one complete revolution, said motion-transmitting means and holding means cooperating after completion of one revolution of the clock-advancing member to disconnect the clock-advancing member from the motor and thus terminate further rotation of the clock-advancing member, said clock-advancing member being operable upon rotation thereof when said time member is at a chronological position later than the standard time position to cause said second coacting part to overtake and engage said first coacting part on the time member to advance the latter to a chronological position coincident with standard time at the moment said motor and clock-advancing member become disengaged at the end of one complete revolution of the latter.

2,566,941

METHOD AND AGENT FOR CONTROLLING UNDESIRABLE FERMENTATION IN CHEESE

Holger Jørgensen, Copenhagen, Denmark, assignor to Aktieselskabet Dansk Gaerings-Industri, Copenhagen, Denmark

No Drawing. Application August 7, 1947, Serial No. 767,357. In Denmark December 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1965
5 Claims. (Cl. 99—116)

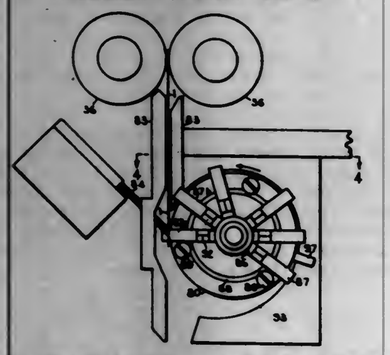
1. The process of preventing anaerobic fermentation, due to the presence of anaerobic bacteria, in cheese encased in an hermetically sealed container which comprises incorporating a small amount of a soluble chlorite in said cheese prior to encasing the cheese in the container.

2,566,942

RECORD SENSING DEVICE

Harold H. Keen, Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 9, 1950, Serial No. 178,428
In Great Britain August 22, 1949
18 Claims. (Cl. 235—61.11)



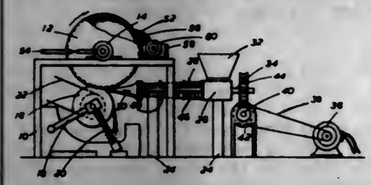
1. In a cyclically operating machine, apparatus for feeding records in a normal course from a magazine to a stacker, a sensing station located intermediate of the magazine and stacker in the line of travel of said records, and means for diverting a record from said normal course after it has been sensed at the sensing station, comprising means for moving said record one or more times in a circular path tangential to said normal course.

2,566,943

DEWATERING OR DRYING OF PEAT

Dudley Seaton King, London, England

Application October 29, 1947, Serial No. 782,867
In Great Britain September 30, 1946
1 Claim. (Cl. 34—112)



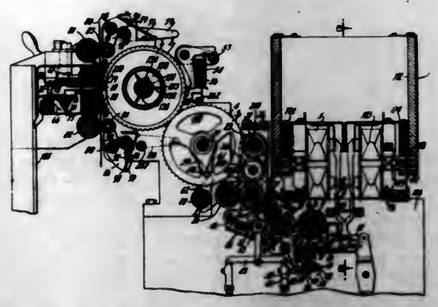
Apparatus for de-watering peat comprising a fish-tail nozzle set with its longer axis substantially horizontal, means for feeding the peat substantially horizontally to and through said nozzle, a lower roller, hollow upper roller forming a horizontal nip with said lower roller at a level slightly below that of the highest point in said lower roller, means for driving said rollers and means for passing steam through said hollow upper roller, said nozzle being disposed out of contact at least with said lower roller and being so disposed relatively to said nip that the peat issuing from said nozzle travels to said nip out of contact with said lower roller.

2,566,944

TYPESETTING MEANS IN RECORD CONTROLLED PRINTING MACHINES

James Last, London, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 19, 1947, Serial No. 774,902
In Great Britain September 19, 1946
11 Claims. (Cl. 101—93)



1. A mechanism operable cyclically for printing characters in response to the sensing of holes at index points 9 to 0, X and Y in a column of a card comprising, in combination, a type bearing member, means supporting said member for movement so as to locate its type in printed positions, driving connections for said type bearing member, a continuously rotating driving means, said driving connections including coupling means adapted to be coupled to said driving means, means engageable successively with said index points in the order listed for sensing holes in said card, means operating in response to the sensing of a hole at any one of said index points for effecting engagement of said coupling means to initiate movement of said member, means operating at a fixed time after the 1 index point is sensed for disengaging said coupling if it has been previously engaged by the sensing of a hole at not more than one point, and means for disengaging said coupling after different time intervals if it is engaged due to the sensing of a hole at the 0, X or Y points.

2,566,945

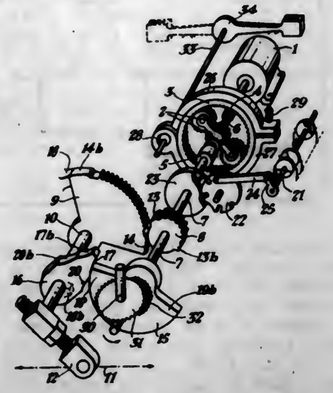
APPARATUS FOR THE ELECTRICAL CONTROL OF RAILWAY TRACK SWITCHES

Pierre Laze, Paris, France, assignor to Compagnie des Freins et Signaux Westinghouse, Paris, France

Application December 3, 1947, Serial No. 789,356
In France August 12, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 12, 1964
7 Claims. (Cl. 246—240)

1. In a switch machine for operating a railway track switch comprising a mechanism adapted to be actuated by an electric motor or by the movement of a manually operable lever, a shaft in

said mechanism adapted to be rotated by said lever for effecting the hand operation of the switch, a speed reducer of the differential type interposed between said motor and said mechanism shaft, said speed reducer having a normally stationary member which enables the motor to exert its effort upon said shaft to effect the power operation of the switch, a friction brake acting



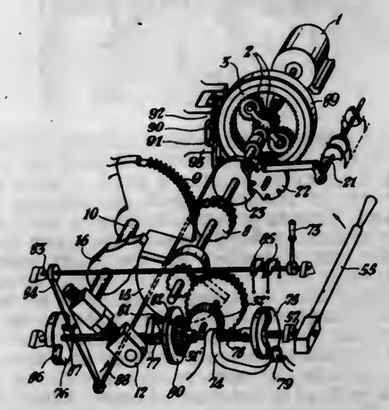
on said stationary member to limit the effort exerted by said motor when the switch encounters an obstruction, and selector means manually operable between a motor position in which said brake is effective and a hand position for releasing said brake to effectively disconnect the motor from said mechanism when the switch is to be operated by said lever.

2,566,946

APPARATUS FOR THE ELECTRICAL CONTROL OF RAILWAY TRACK SWITCHES

Pierre Laze, Paris, France, assignor to Compagnie des Freins et Signaux Westinghouse, Paris, France

Application December 3, 1947, Serial No. 789,357
In France July 26, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 26, 1966
7 Claims. (Cl. 246—240)



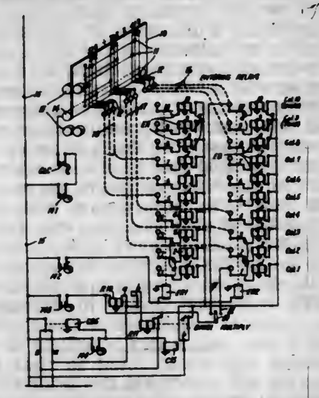
1. A switch machine for operating a railway track switch comprising a mechanism adapted to be actuated by an electric motor for effecting the power operation of said switch and having a lever which is rotatable from one extreme position to another for effecting the manual operation of said mechanism when desired, two circuit controllers in said mechanism including one for controlling the supply circuit for the motor and another for controlling circuits for indicating the position of said switch machine, said mechanism also including a shaft for effecting the operation of the switch with locking means for preventing the movement of said shaft by the switch, means for at times disengaging said motor from said mechanism, and means controlled by said lever in different angular positions for controlling said circuit controllers, operating shaft, locking means and disengaging means in response to a simple rotation of said lever in either of two directions from one extreme position to the other, so arranged as to effect the interruption of the supply circuits for said motor and the disconnection of said motor from said mechanism, in response to the rotation of said lever from either extreme position to a position for effecting the engagement of said lever with said mechanism, the further rotation of said lever to its other extreme position being adapted to effect successively the interruption of said indicating circuits, the unlocking of said operating shaft, the rotation of said shaft to effect the movement of said switch, the locking of said operating shaft, the re-establishment of said indicating circuits, the disengagement of said lever from said mechanism, the connection of said motor to said mechanism and the re-establishment of the supply circuits for said motor.

2,566,947

ELECTRICAL MULTIPLYING AND DIVIDING MACHINE

Hans P. Luhn, Armonk, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application January 16, 1948, Serial No. 2,777
26 Claims. (Cl. 235—61.7)



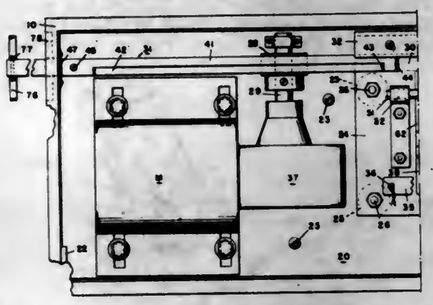
2. In a calculating machine, a set of denominationally ordered A relays, a set of denominationally ordered B relays, a set of denominationally ordered D relays, each set being energizable to represent an entered value, a plurality of groups of contacts, one group for each set of relays, adjustable by their respective sets to represent the value entered therein, circuit connections interconnecting the contacts related to the A and B sets of relays in accordance with the table of addition, said interconnections extending to the set of D relays, circuit connections extending from the contacts of the D relays to the

A relays, means for initially energizing each of said A and B sets of relays in accordance with a value, means for emitting a pair of successive current impulses, the first impulse being directed through the adding interconnections to energize the D relays in accordance with the sum of the values set in the A and B relays, the second impulse being directed through the contacts of the D relays to energize the A relays in accordance with the setting of the D relays, holding circuit connections for the A and B relays to hold their initial settings, and means for breaking said holding circuits during the period of said second impulse whereby only such of the A relays as are not required in the representation of the new value will be deenergised.

10. In a calculating machine, a dividend receiving device, a divisor receiving device, means for entering a factor in each, comparing means for comparing the dividend for relative magnitude thereof with respect to 1½ times the divisor and ½ the divisor, a result receiving device, means for causing algebraic summation of the amounts standing in the dividend and divisor devices and entry of the result in said result receiving device, means for causing repeated concurrent operation of said comparing and said summation means, column shift devices, means controlled by said result receiving device for repeatedly transferring the result therein to the dividend receiving device through said column shift devices following each summation and comparison while retaining a relative denominational allocation, and means controlled by said comparing means when the dividend bears one relationship to the divisor for controlling the transfer and column shift devices to effect a transfer with a column shift, and when the dividend bears another relationship to the divisor for controlling the transfer and column shift devices to effect a transfer without a column shift.

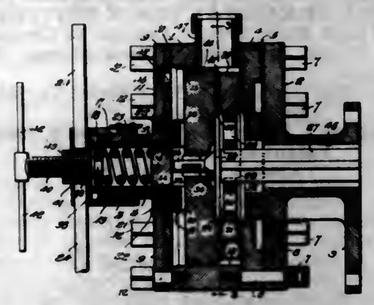
26. In a calculating machine of the class described, a pair of like entry receiving devices, a readout device for each, each entry receiving device including a plurality of digits representing magnets energizable in the same manner in each to represent any given digit, both said entry receiving devices initially standing at zero, means for emitting a series of successive but overlapping electrical impulses, circuit connections controlled by the readout device of the first entry receiving device for directing the first and alternate impulses to energize the magnets of the second entry receiving device in accordance with the digit standing in the first device plus one, means controlled by the readout device of the second entry receiving device for directing the second and alternate impulses to energize the magnets of the first entry receiving device in correspondence with the magnets energized in the second entry receiving device, said entry receiving devices being arranged and constructed so that an entry made therein will supersede the prior entry, contact means to render said emitting means effective, which comprises means for sensing a record card having a column of spaced positions, one position for each of the digits 1 to 9, in one of which a designation may be made to represent a selected digit, said sensing means sensing the positions in the order 9, 8, 7, 6, 5, 4, 3, 2, 1, means controlled by the sensing means upon sensing a designation for rendering the emitting means effective, and means for terminating said effectiveness after a pair of impulses for the digit sensed, and a pair of impulses for each lower digit, has been emitted, whereby the first entry receiving device will represent the value of the designation sensed.

2,566,948
MULTIPLE BLAST
George A. Lyte, Allentown, Pa.
Application April 7, 1948, Serial No. 19,522
6 Claims. (Cl. 175—115)



1. A multiple hole blasting timer comprising a series of circuit switches, means to engage the switches to close and open each of them consecutively, a power line switch in the path of said means, a lever mounted in the path of the means between the series of circuit switch springs and the power line switch, and mechanism controlled by said lever for simultaneously closing all of the switches, after all of the circuit switches have been closed consecutively and before the current is shut off by the power line switch.

2,566,949
HYDRAULIC GRINDING CONTROL
John Marco, Wilmington, Del., assignor to Marco Company, Inc., Wilmington, Del., a corporation of Pennsylvania
Application October 17, 1946, Serial No. 703,837
15 Claims. (Cl. 241—37)



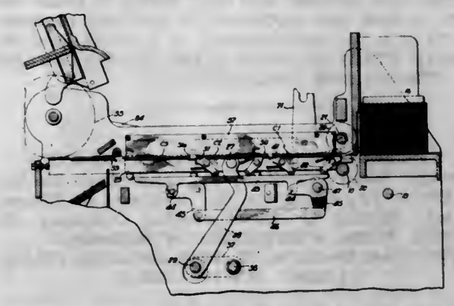
1. In a grinding and mixing machine for solid particles in a liquid medium, said machine comprising a casing containing a shaft, a rotor and a plurality of stators therein surrounding the shaft and disposed at opposite sides of the rotor, said rotor being splined on said shaft and being rotatable and propelled by the shaft splined therein, said shaft entering the casing through an opening of a diameter adapting it to form an inlet about the shaft for material to be treated, the stator at the opposite side of the rotor from the inlet being slidably and non-rotatably mounted in said casing and defining the movable wall of a hydraulic chamber within the casing the stator confronting the inlet being stationary and formed with an opening registering with the inlet and through which said shaft passes, said rotor being formed with transverse openings establishing communication between spaces formed by recesses in confronting side faces of the rotor and the stators, said chamber having direct communication through an apertured portion of said slidable stator with the solid particles and liquid mixture being treated, whereby a continuing pressure may be maintained on the rotor and stators notwithstanding normal wear thereof.

2,566,950
ARTIFICIAL FLOWER ARTICLE
Beulah F. Miller and Bessie S. Owen, Cleveland, Ohio; Beulah Fay Miller administratrix of said Bessie S. Owen, deceased
Application February 16, 1948, Serial No. 8,663
3 Claims. (Cl. 41—13)



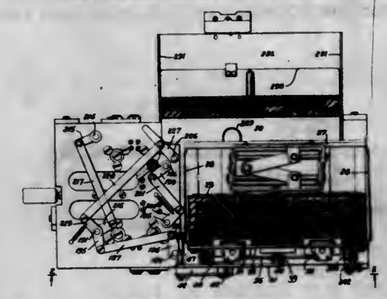
1. As a new article of manufacture, an ornament comprising a flat tape combined with petal-like members extending laterally therefrom normally substantially in the plane of and attached to the tape at the adjacent base portions of said members, said tape being disposed in a spiral coil and having the petal-like members bent therefrom at an angle to the plane of the tape, said petal-like members being attached to the tape so as to overlap one another and simulate the petals of a flower.

2,566,951
RECORD CARD FEEDING MECHANISM
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 4, 1945, Serial No. 620,267
4 Claims. (Cl. 271—10)



1. In a card handling apparatus having a picker for advancing a card from a supply hopper and rollers to receive the card and propel it along a plane, in combination with a shuttle for receiving the card from said rollers, clips on the shuttle resiliently engageable with the forward and trailing edges of the card to grip and secure the card to the shuttle, means for advancing the shuttle in the direction of feed of the card, means comprising sensing brushes for engaging the card at the termination of its advance by the shuttle to hold it in advance position, and means effective concurrently with said holding for disengaging the clips from the card and returning the shuttle to its initial card receiving position.

2,566,952
COMBINED TYPEWRITER RECORDING AND COMPUTING MACHINE OF THE RECORD CONTROLLED TYPE
Albert W. Mills, Bradenton, Fla., and Frank J. Furman and Harold L. Read, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,742
16 Claims. (Cl. 235—61.6)

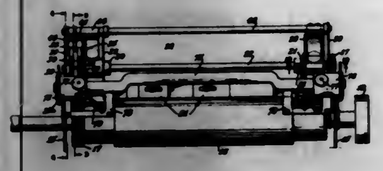


3. In a combined typewriter and computing machine, the combination of a set of digit types and individual operators for each type, means for successively feeding perforated records through a card reading station, analyzing means for analyzing digit representations on each record denominational column by denominational column, a denominational digit storage register, program means having column positions effective successively in consonance with the successive analysis of the record columns, means when rendered effective operable under control of said analyzing means for digitally setting up said register as the record columns are successively analyzed, other means when rendered effective operable under control of said analyzing means for selecting the individual operators to type the digit corresponding to the digit represented, said setting-up means being additionally controlled by said program means to successively and denominationally set up said register as the successive columns are analyzed, and individual control means controlled by said program means for rendering said setting-up means and said selecting means effective jointly or singly according to desired register setting-up operations and typing operations, an accumulator, entering means therefor, readout means for said register for controlling said entering means to enter in said accumulator the amount in said register, and other control means controlled by said program means for causing the operation of said readout means at a selected column position of said record after completion of the digit setting operation.

2,566,953
MANIFOLDING RIBBON MECHANISM
George F. Morris, Etobicoke, Ontario, Canada, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 29, 1947, Serial No. 764,447
7 Claims. (Cl. 197—153)

3. In combination with the carriage and platen of a typewriting machine, a cross shaft mounted in said carriage parallel with said platen, a pair of ribbon spools at the ends of said platen and coaxial with said shaft, one of said spools being keyed to the end of said shaft, means to support and guide a ribbon between said spools and along the writing line on the platen; a pair

of feed ratchets, one fixed to said shaft adjacent the loose spool and the other secured to the loose spool a spaced distance from the ratchet fixed to said shaft, a rock arm journaled on said shaft between said ratchets, a pair of feed pawls carried by said arm and coacting with said ratchets, means to oscillate said arm; a pair of pawl control members journaled on said shaft, one on each side of said arm adjacent one of said ratchets, each of said control members being shaped to alternately engage and disengage the pawl for the adjacent ratchet from said ratchet



in two alternate movements; means interconnecting said control members whereby, when either one moves to a position to engage its pawl with the associated ratchet, the other control member will be moved to disengage the remaining pawl from its ratchet; means to cause said control members to oscillate with said arm, and means to sense exhaustion of the ribbon from said spools and including elements engageable with said control members, when a spool becomes exhausted, to enable an oscillation of said arm to move the control member for the exhausted spool to pawl engaging position.

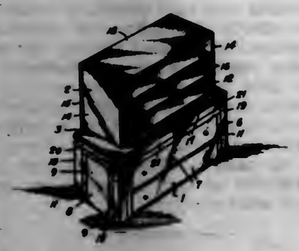
2,566,954

COMBINATION TABLE AND CABINET

Keith W. Murray, Garrett, Ind.

Application December 31, 1948, Serial No. 68,647

7 Claims. (Cl. 312—203)



1. Combination furniture comprising a buffet, a china closet, means supporting said china closet above said buffet in upwardly spaced relation thereto, and a table straddling said buffet and having a top fitting into space between the buffet and the china closet and legs at each corner of the top fitting into recesses formed vertically along each corner of the buffet, the top of said table being formed of sections movable towards and away from each other whereby the table may be elongated to move the legs out of the recesses and the table withdrawn from the buffet.

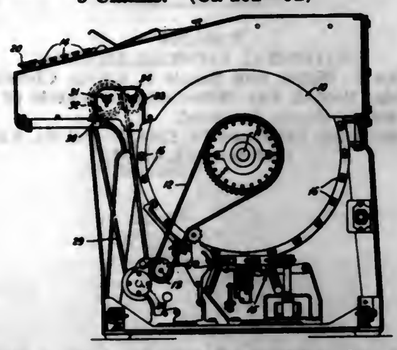
2,566,955

CHECK-ENDORSING MACHINE

Derk J. Oldenboom, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corperation of New York

Application August 9, 1945, Serial No. 609,792

5 Claims. (Cl. 101—91)



1. In a check endorsing machine for selectively endorsing checks with a full endorsement or partial endorsement, the combination of endorsing means comprising a rotatable endorsing cylinder carrying printing elements at the peripheral surface of said cylinder for printing a partial endorsement and supplemental printing elements also at the peripheral surface of said cylinder which, in conjunction with the first named printing elements, effect a full endorsement, a platen between which and the printing elements of said endorsing cylinder the checks pass and are printed thereby, a plurality of different cam means selectively operative during the rotation of said cylinder, one to effect a relative movement between said platen and cylinder to cause a printing relationship between the first named printing elements and said platen to cause a partial endorsement on a check being fed, and the other to effect a relative movement between said cylinder and said platen to cause the first named and supplemental printing elements to print a full endorsement on a check, and selective means to render either of said plurality of different cam means effective.

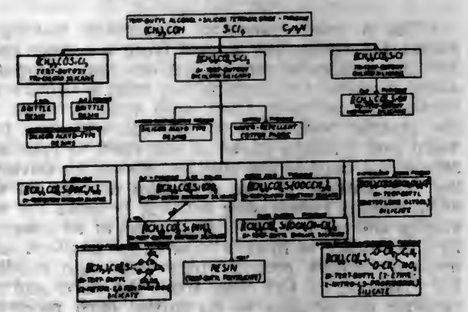
2,566,956

TERTIARY-ALKOXY CHLOROSILANES

George Wesley Pedlow, Jr., and Carl Shelley Miner, Jr., Evanston, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application December 31, 1942, Serial No. 470,904

1 Claim. (Cl. 260—448.8)



Di-tertiary amoxy dichloro silicane.

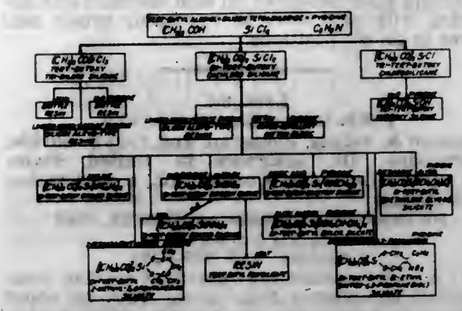
2,566,957

TERTIARY-ALKOXY CHLOROSILANES

George Wesley Pedlow, Jr., Easton, Pa., and Carl Shelley Miner, Jr., Winnetka, Ill., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application May 6, 1946, Serial No. 667,596

6 Claims. (Cl. 260—448.8)



1. Chemical compounds having the molecular formula:

$$(R'-\underset{\displaystyle R''}{\overset{\displaystyle R}{\overset{|}{\underset{|}{C}}}}-O)_x SiCl_{4-x}$$

where R is a monovalent carbinyl radical, R' is any monovalent carbinyl radical and R'' is any monovalent carbinyl radical and x is an integer from 1 to 3.

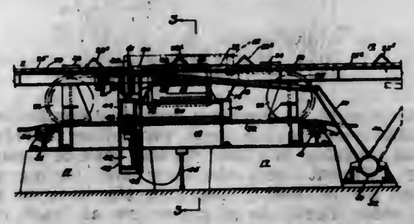
2,566,958

KICKOFF

Edward T. Peterson, Reading, Pa., assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., a corporation of Pennsylvania

Application December 15, 1945, Serial No. 635,363

5 Claims. (Cl. 214—1)



1. In an inspection mechanism, a set of spaced run-in rolls, inspection beds one on either side of the run-in rolls having chain conveyors for laterally progressing shapes on the beds away from the set of rolls, each chain conveyor moving from a position between and below the run-in rolls toward its inspection table and across the same, carriages between rolls and below the level of their upper surfaces, means for guiding and moving the carriages in unison toward one or the other inspection bed as required, dogs supported on the carriages in the same lateral position on all carriages and having inactive positions below the level of the rolls, and electrical-hydraulic thrustors on the carriages for moving the dogs vertically upward in unison to a position above the level of the rolls, the carriages moving far enough laterally on each stroke to deposit a shape on the chain converyors when the dogs are raised.

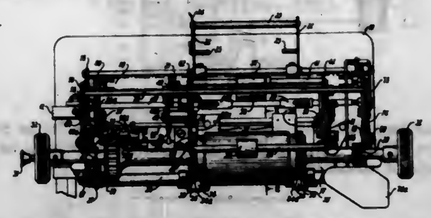
2,566,959

STENCIL TYPING MACHINE

John L. Petz, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corperation of New York

Application March 5, 1949, Serial No. 79,782

5 Claims. (Cl. 197—135)



1. In a machine for typing on addressing machine stencils having a frame and a window of stencil material, a carriage, a platen rotatably mounted in the carriage and having a backing roller for said window and knurled driving treads cooperating with the frame of the stencil on opposite sides of said window, stencil supporting and guiding fingers for holding said frame in engagement with said treads, said fingers including stops coacting with said frame to hold the stencil in a position to type an initial line on the top part of said frame, means to effect a separation between said fingers and said treads to permit insertion of a stencil, and a manual lever for operating the separating means.

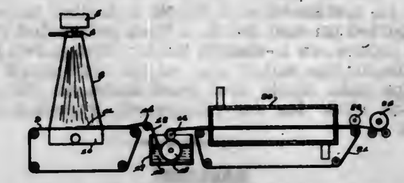
2,566,960

MINERAL FIBER MAT AND PROCESS OF MAKING SAME

Thomas E. Philippe, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware

Application October 12, 1948, Serial No. 54,116

8 Claims. (Cl. 117—126)



1. In the method of manufacturing a bonded mat of glass fibers, the steps of treating the glass fibers with a composition comprising discrete particles of polystyrene which are of the molding powder grade and dispersed in an aqueous solution of gelatin, volatilizing the water to deposit the discrete particles of polystyrene on the glass fiber surfaces while the gelatin functions throughout as a temporary binder to hold the fibers in predetermined form, and then heating to fuse the discrete particles for conversion thereof into an adhesive film.

2,566,961

PRESSURE CONTROL FOR THRUST NOZZLES FOR TURBINES

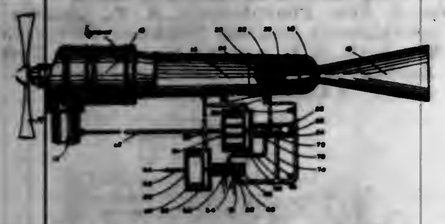
David M. Poole, Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 15, 1944, Serial No. 531,389

10 Claims. (Cl. 60—35.6)

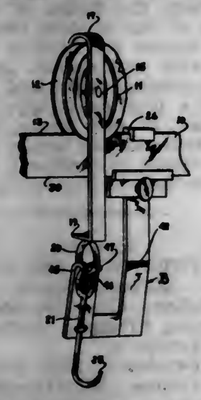
1. A vehicle power plant including a gas turbine, an adjustable nozzle through which gas

from the turbine is discharged, and control means for adjusting the nozzle in response to



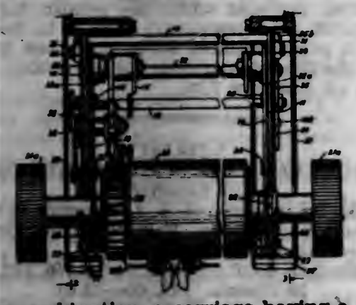
changes in dynamic pressure resulting from motion of the vehicle and in response to changes in turbine exhaust pressure.

2,566,962
HOLDER FOR HOOKS AND TROLLEYS
Guy Ramsey, Newton, Kans.
Application December 4, 1948, Serial No. 63,517
11 Claims. (Cl. 105—150)



1. In combination, a track, a trolley movably supported on said track, a hook suspended from said trolley, an L-shaped holder having two legs, means on the end of one leg for clampingly engaging said track, and mechanism on the end of the other leg for clampingly engaging said hook.

2,566,963
PLATEN ADJUSTING MEANS FOR TYPEWRITERS
Francis U. Ritz, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 18, 1949, Serial No. 82,248
6 Claims. (Cl. 197—149)



1. In combination, a carriage having a pair of parallel side plates, mounting studs on said plates, a pair of platen supporting plates each mounted on said studs for sliding movement parallel with said side plates at right angles to the movement of the carriage; a shaft rotatably mounted in said side plates and having a pair of cams, each cam being received in a slot formed in one of the supporting plates whereby rotation of the shaft effects the aforesaid movement of said plates, a manual setting lever secured to said shaft, and an indexing plate mounted on said carriage and coacting with said lever to releasably retain said lever in its set positions.

2,566,964
FIRE-RETARDANT PAINTS
Herman A. Scholz, Evanston, and Earl E. Saville, Palatine, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 24, 1948, Serial No. 23,134
7 Claims. (Cl. 260—39)

1. A water-soluble fire-retardant coating composition comprising from about 10% to about 30% of a potentially hardenable water-soluble aminoplast resin, from about 30% to about 50% of acid-reacting ammonium phosphates, and sufficient of a mixture of substantial quantities each of at least two pigments to make a total of 100%, one of said pigments being selected from the group consisting of barytes, gypsum, lithopone, zinc sulfide, and titanium oxides, and the other selected from the group consisting of silica, clay, pyrophyllite, talc and mica.

2,566,965
COMB
Harold F. Shaw, Leominster, Mass.
Application August 10, 1946, Serial No. 689,742
13 Claims. (Cl. 132—22)

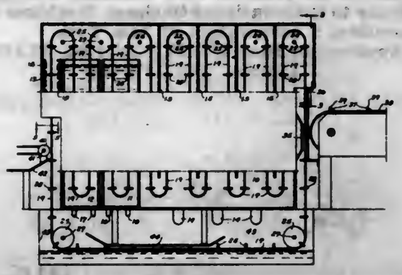


12. A comb of the class described comprising a flexible back having teeth projecting therefrom, a bar movably mounted on the back of a curvature different from the back and having provision for releasably engaging the back to hold the same flexed to a curvature at least more nearly approximating that of the bar with the ends of the teeth closer together than when the back is in its normal unstressed position.

2,566,966
WIENER PROCESSING APPARATUS
Edward Rockoff, Denver, Colo., assignor to Minnie Levin, Cheyenne, Wyo.
Application April 15, 1947, Serial No. 741,668
19 Claims. (Cl. 99—261)

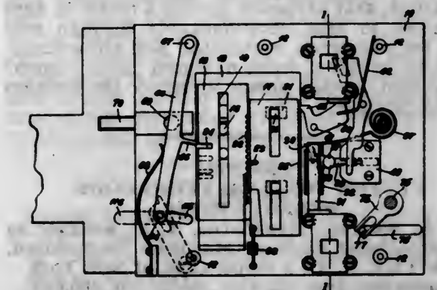
1. A system of the character and for the purposes described, comprising a succession of processing chambers, an endless, skeleton web traversing said chambers, means for steadily advancing said web in one direction relative to and through said chambers, a succession of like means spacedly carried by and transversely of said web each characterized by elements constrictively engageable at a plurality of spaced points with, to

thereby mark as a series of links and to web-mount a straight, initially-cylindrical stuffed casing length, and means for separating the so-



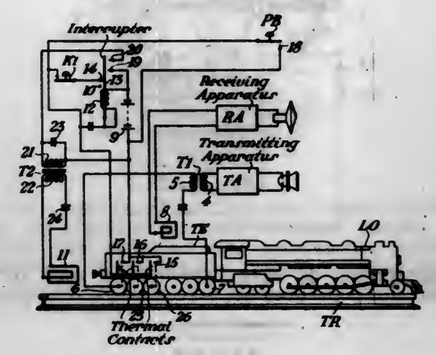
marked casing sections as independent links from their web mountings after transit through said chambers.

2,566,967
SECRET OR COMBINATION LOCK
Antonio Soler Capdevila, Barcelona, Spain
Application April 29, 1947, Serial No. 744,707
In Spain October 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 10, 1964
7 Claims. (Cl. 70—299)



1. A combination lock comprising a casing, a plurality of superimposed wards placed in such a manner that they may be displaced sideways, each of said wards being composed of two parts placed side by side and mounted on independent guides carried by said casing, said two parts of each ward being movably coupled to each other, a first part of said wards having a toothed rack in its inner edge and a second part having in its inner edge a tooth engaging said rack, the displacement of one of said parts displacing the other, a second toothed rack in the external edge of one of said parts of said wards, clutch pawls operatively contacting said second rack for bringing about the gradual displacement of the complete ward, a lateral indentation in the external edge of the other said part of said wards, a lever pivoted on said casing and being provided with a rib in contact with said external edge of the wards, a laterally displaceable locking bolt supported by said casing, a projecting pin movably mounted in said casing and being normally retained by said lever in a position to dog said bolt, said lever being displaceable in a direction to position said rib in the indentations of all said wards when said indentations coincide on the same transversal plane as regards said rib thereby permitting retracting the projecting pin, and said locking bolt being laterally displaceable when the projecting pin is allowed of displacement by said lever.

2,566,968
ALARM APPARATUS FOR HOT JOURNAL BEARINGS AND LIKE HAZARDS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 24, 1945, Serial No. 595,567
2 Claims. (Cl. 246—169)

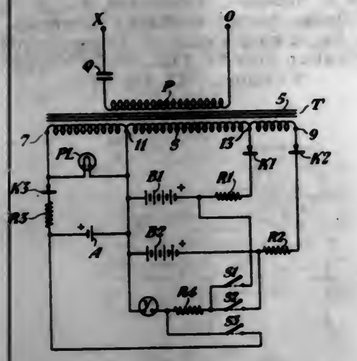


1. In combination, a railway train having receiving apparatus responsive to a carrier telephone current, said receiving apparatus normally active and including a pick-up element mounted for receiving current from the track rails, a train carried source of current, a train carried converter means including a tuned circuit and an interrupter, said converter means operable when energized to create an emergency alarm current having a frequency band overlapping the frequency band of said carrier telephone current for sounding in the loud-speaker of said receiving apparatus an emergency alarm, an energizing circuit including a normally open contact mounted on a given vehicle of said train to connect said interrupter to said current source, said contact thermally associated with a given journal bearing of said vehicle to close the contact when the journal bearing becomes abnormally hot, and an inductor to couple said tuned circuit to the track rails.

2,566,969
POWER SUPPLY MEANS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 31, 1950, Serial No. 153,998
10 Claims. (Cl. 171—97)

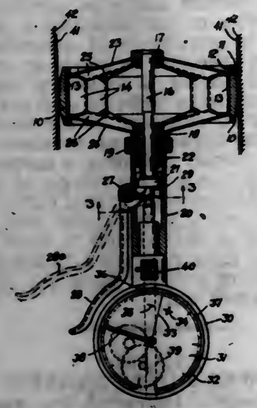
1. In a power supply means, in combination, a pair of input terminals to which an alternating current source may be connected at times, a ferro-resonant combination comprising a transformer and a condenser connected in series across said input terminals, said ferro-resonant combination being operated beyond the ferro-resonant point when alternating current of suitable value is supplied to said input terminals, a first and a second rectifier, a first and a second load each requiring a given voltage of direct current, means including said first rectifier for supplying energy from said transformer to said first load on one polarity of the alternating current supplied to said transformer, and means including said second rectifier for supplying energy from said transformer to said second load on the other polarity of the alternating current supplied to said transformer, the parts being proportioned

and arranged so that the voltage of the energy supplied to said loads when said ferro-resonant



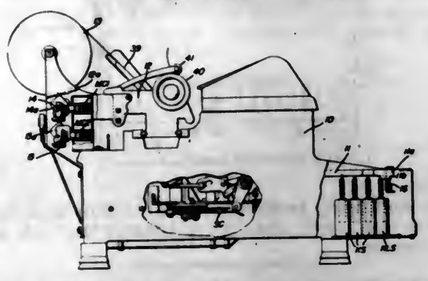
combination is operating beyond said ferro-resonant point does not exceed said given voltage.

2,566,970
EXPANSION GAUGE
Sven Olof Swensson, Vasteras, Sweden
Application December 21, 1948, Serial No. 66,500
In Sweden January 7, 1948
2 Claims. (Cl. 33—178)



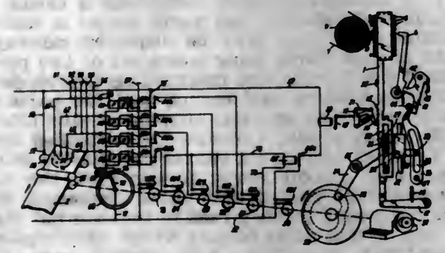
1. An expansion gauge comprising in combination a plurality of abutting members disposed circumferentially with respect to a common axis and having outer faces which touch an imaginary circumscribed cylindrical surface, resilient means engaging said abutting members substantially in the circumferential direction thereof and tending to move said members radially inwardly, two substantially conical members abutting against the inner faces of said abutting members, a stationary part secured to the central portion of one of said conical members, a displaceable rod secured to the central portion of the other one of said conical members, said conical members being circumferentially resilient, resilient means engaging said stationary part and said rod and tending to move said rod so as to increase the apex angles of said conical members whereby to move said abutting members radially outwardly against the action of said first-named resilient means, and means indicating the position of said rod.

2,566,971
REMOTE CONTROL APPARATUS FOR TYPEWRITING MACHINES
Jeannette K. Watson, New Canaan, Conn., assignor to International Business Machines Corporation, a corporation of New York
Application June 4, 1948, Serial No. 31,143
7 Claims. (Cl. 197—19)



1. A typewriting machine for the physically handicapped, comprising a typewriter having a carriage and printing means and having a series of function controlling electromagnets for selectively controlling the printing means and movements of the carriage, said typewriter also having contact means operated in different positions of the carriage; and a keyboard separate from said typewriter and having a cable connection to said typewriter, said keyboard having a series of keys connected to said electromagnets through said cable for selectively controlling said electromagnets and having a series of signal lights responsive to said contact means to denote the position of said carriage.

2,566,972
SYSTEM FOR ANALYZING CODE PERFORATIONS
John N. Wheeler, Hawthorne, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 22, 1949, Serial No. 100,608
9 Claims. (Cl. 101—93)



1. A system for analyzing data appearing in the form of code perforations at predetermined index points in a record medium comprising, in combination, control circuits corresponding to said index points, said circuits connected in parallel with each other and in series with a circuit including an electrical device, two pair of contacts connected in each of said control circuits, one pair of contacts being in a normally closed position and the other pair being in a normally open position, means for sensing code perforations, means operating in response to the sensing of each of said perforations for shifting one pair of contacts in each of the corresponding control circuits, means for shifting one or more of the other pairs of contacts in said control circuits at different times after the sensing of the perfora-

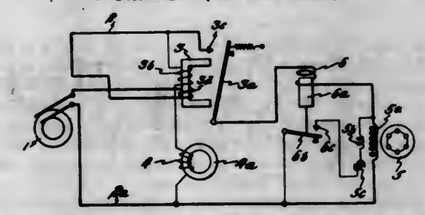
tions has been completed, and means controlled by said electrical device for providing an indication of the data represented by the perforations sensed.

2,566,973
ROPE WINDING MACHINE
David J. Yake, Lambertville, N. J.
Application November 10, 1949, Serial No. 126,537
24 Claims. (Cl. 57—6)



2. In rope manufacturing apparatus, a strander comprising a hollow central shaft, means for rotating said shaft, means carried by said shaft for twisting filaments around a central core, means for drawing said filaments and core through said last-named means, a plurality of filament feeding units arranged end-to-end on said shaft, at least one of said units comprising a main reel concentric with and frictionally mounted on said shaft, a floating eye member frictionally mounted on said reel and adapted to draw a filament therefrom, a storage spool freely rotatable on said shaft adjacent said floating member, a fixed eye member rigidly mounted on said shaft adjacent the storage spool, a transfer reel rotatably and slidably mounted on said shaft at the opposite end of the reel, a plurality of axially extending fingers on said main reel, and a plurality of juxtaposed oppositely extending fingers on said transfer reel, said fingers adapted to interengage each other when the transfer reel is moved axially on the shaft.

2,566,974
CLOSE DIFFERENTIAL RELAY CONTROL
Arthur L. Bastian, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application January 25, 1949, Serial No. 72,709
7 Claims. (Cl. 318—221)



1. The combination of a relay and a saturable reactor having their windings connected in series with each other and adapted for connection across a pair of alternating current supply lines subject to variation in voltage, said relay having make and break contacts for affecting a controlled circuit, said reactor winding having relatively low resistance and high reactance, and the winding of said reactor having higher impedance than the winding of said relay.

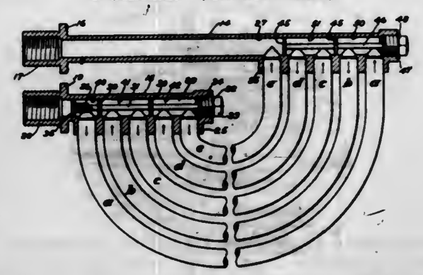
2,566,975
VOICE SILENCER
Leo L. Beranek, Cambridge, Mass.
Application January 18, 1947, Serial No. 722,831
6 Claims. (Cl. 181—34)

6. A voice silencer comprising a hollow casing which includes a receptacle for a telephone transmitter, a sound absorbing chamber and a speech enclosure, means located between the speech enclosure and the sound absorbing chamber for selectively passing low frequency sound from the speech enclosure to the sound absorbing cham-



ber and reflecting high frequency sound toward said receptacle, and said chamber having a curved duct provided with acoustically porous sides along which the low frequency sound may be absorbed and the breath of the talker passed out of the casing.

2,566,976
WATER HEATER
Clarence R. Bernstrom, East Greenwich, R. I.
Application November 9, 1949, Serial No. 126,351
6 Claims. (Cl. 257—229)

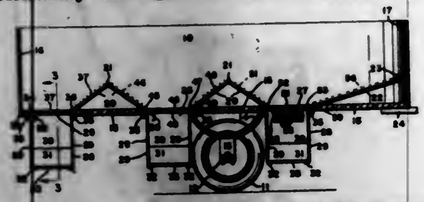


1. In a water heater, a casing having inlet and outlet openings for boiler water, a pair of headers extending across the interior of the casing in spaced-apart relationship and formed with longitudinally-extending interior chambers for connection with a service water system, a plurality of helical coils arranged in nested relationship within the casing with their ends opening into the interior chambers of the opposite headers, disk-like partitioning elements in the interiors of both headers to divide their chambers into separate compartments for connecting the ends of adjacent coils in series, and means for connecting the partitioning elements in series within the headers to provide for the insertion and removal of each series as a unit.

2,566,977
CONVERTIBLE TRAILER AND TRUCK BED
Edward W. Boulden, Sioux City, Iowa
Application September 22, 1948, Serial No. 50,597
1 Claim. (Cl. 298—27)

A convertible vehicle transporting unit comprising a bed having a plurality of openings, discharge members communicating downwardly from said openings, means for normally covering said openings to provide a flat bed surface, said means including hinged pivoting panels covering said openings, said unit including angu-

larly positioned supporting members attached thereto, said panels being adapted to be supported in angular position when pivoted away from said openings toward said supporting members to thereby provide sloping walls to cause grain placed in said unit to gravitate uniformly downwardly through the said discharge mem-



bers, said discharge members including spouts having downwardly converging walls, means for securing said panels together when in angular position, including strap members pivotally attached to each of a pair of panels, means for securing said strap members to the other of each of said pair.

2,566,978

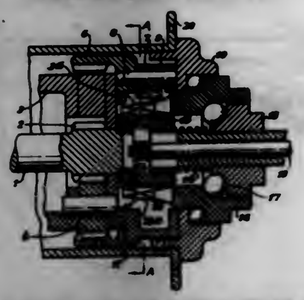
SELECTOR MECHANISM FOR CHANGE SPEED HUB GEARS OF CYCLE WHEELS

William Brown, Nottingham, England

Application April 2, 1949. Serial No. 85,198

In Great Britain April 26, 1948

4 Claims. (Cl. 74—750)



1. A selector mechanism for a change speed cycle gear hub of the kind having an epicyclic gear train including a sun pinion, a planet carrier with planetary pinions, an annulus and an axially movable selector member with radially projecting arms for engaging an input member for drive alternatively with the planet carrier or the annulus comprising in combination at least one spring loaded pawl mounted on said annulus, at least one driving dog on the end of said planet carrier, the axially movable selector being adapted to engage said planet carrier dog and said annulus pawl, said pawl engaging the selector member to transmit drive when disengaged from the planet carrier dog and to override said selector member when engaged with said planet carrier dog.

2,566,979

PROCESS OF BREAKING WATER AND OIL EMULSIONS

Arthur E. Catanach and Ralph P. Gulley, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 21, 1949, Serial No. 128,683

10 Claims. (Cl. 252—330)

1. The process of breaking stable oil-water emulsions containing a relatively large proportion of inorganic salts, said process comprising adding thereto spent refinery caustic solution which has been pretreated by simultaneously blowing steam and air therethrough for several hours at a temperature of above about 160° F., agitating and heating the mixture thus formed until the emulsion will break into separate oil and water phases after a short settling period, discontinuing agitation and heating, and allowing the mixture to settle into separate oil and water layers.

2,566,980

PROCESS OF BREAKING WATER AND OIL EMULSIONS

Arthur E. Catanach and Ralph P. Gulley, Port Arthur, Tex., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application November 21, 1949, Serial No. 128,684

17 Claims. (Cl. 252—330)

1. The process of breaking oil and water emulsions which comprises heating the emulsion, adjusting the pH of the water contained in the emulsion to a value between 11 and 13, agitating and heating the emulsion thus formed until the emulsion will break into separate oil and water phases after a short settling period, discontinuing agitating and heating, and allowing the mixture to settle into separate oil and water layers.

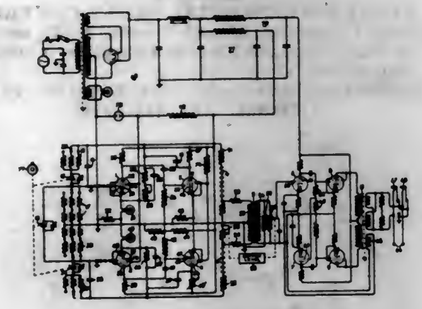
2,566,981

LOW-DISTORTION OSCILLATOR

Charles W. Clapp, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 20, 1949, Serial No. 105,845

10 Claims. (Cl. 250—36)



1. An oscillator comprising two balanced amplifier channels in push-pull arrangement, each said channel comprising two electron discharge devices connected in cascade, substantially non-inductive regenerative feedback means and degenerative feedback means coupling the output circuit of the second of said devices to the input circuit of the first of said devices in each said channel, a portion of said degenerative feedback means being a cathode impedance common to both said channels to minimize amplification in said channels of push-push signal components, and a variable tuning capacitor connected from a point in one of said regenerative feedback means to a corresponding point in said other regenerative feedback means at which the signal voltage is equal in magnitude and opposite in phase to the signal voltage at said first point.

2,566,982

PROCESS FOR MANUFACTURING EMBOSSED VINYL RESIN FILM

Harold S. Clemens and Raymond E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1946, Serial No. 687,716

3 Claims. (Cl. 18—57)

1. The process of manufacturing unsupported vinyl resin films which comprises the steps of (1) spreading a plastisol dispersion comprising a polyvinyl chloride resin and plasticizer on a fabric carrier which has been impregnated with cellulose acetobutyrate, said polyvinyl chloride resin containing from 95 to 100% polyvinyl chloride, (2) subjecting the said dispersion to heat while mounted on the said carrier until the resin is gelatinized and a tough, durable film is produced, (3) embossing the said film while secured to the carrier allowing it to cool, and subsequently (4) separating it from the said carrier, the adhesion between the gelatinized film and the carrier being of the order of 0.1 pound to 3.0 pounds per 2 inch width when stripped at the rate of 12 inches per minute.

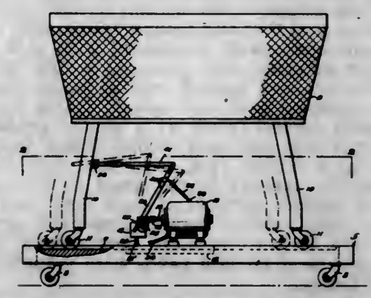
2,566,983

MECHANICALLY OPERATED BABY GLIDER

Preston R. Coltrane, Jacksonville, Fla.

Application May 3, 1950, Serial No. 159,817

1 Claim. (Cl. 5—109)



In a glider of the class described, a wheel supported platform having grooves formed longitudinally of the upper surface thereof, a glider basket, legs supporting the basket, wheels mounted on the legs, said wheels operating within the grooves, an electric motor mounted on the platform, a gear plate mounted adjacent to the motor, said gearing including a heart-shaped cam operated by said electric motor, a lever pivotally mounted on the gear plate, a lug on said lever engaging said heart-shaped cam, a contractile spring connected with said lever and said motor normally drawing the lever and lug towards the cam, an arm connected with one end of the lever, and a link connecting the arm with the basket, whereby the basket is rolled forwardly and rearwardly as the motor operates.

2,566,984

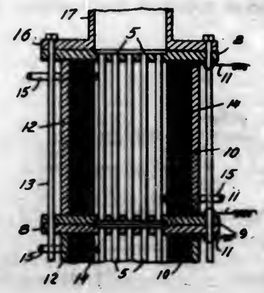
MAGNETOSTRICTIVE DEVICE

Francis George Firth, New York, N. Y.

Application May 14, 1948, Serial No. 27,096

4 Claims. (Cl. 171—209)

1. A device of the character described comprising a tube made of two concentric tubular elements rigidly secured together, one of said elements having a positive magneto-strictive coefficient and the other element having a negative magneto-strictive coefficient, means for applying an alternating magnetic field to said tube,



and terminal means communicating with the opposite ends of said tube for the introduction to and discharge from the tube of a reacting material.

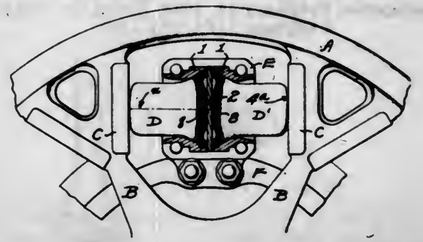
2,566,985

RESILIENT DRIVE UNIT

Norman E. Gee, Narberth, Pa.

Application November 30, 1946, Serial No. 713,306

1 Claim. (Cl. 64—27)



A resilient driving unit for electric locomotives, comprising, a body including a column portion and a base flange connected therewith by an outwardly bowed rib and an annular groove, the profile of said rib being formed on an arc whose radius has its axis coinciding with the longitudinal axis of the body and the outer edge of the base flange, and a spherical base formed within the base flange on an arc having a radius whose axis coincides with the longitudinal axis of the body and the outermost extremity of the column portion of the body, said spherical base being surrounded by an annular flexing cavity also formed entirely within a plane defining the outer edge of the base flange.

2,566,986

PURIFICATION OF TETRAHYDROPHTHALIMIDES

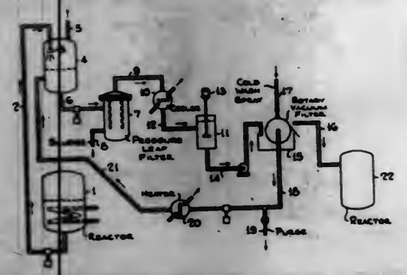
Arthur D. Green, Ernest O. Ohsol, and Allen R. Kittleson, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application September 20, 1949, Serial No. 116,664

9 Claims. (Cl. 260—326)

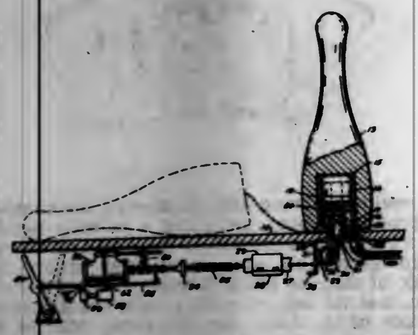
1. A process for the purification of tetrahydrophthalimides which comprises the steps of injecting crude molten tetrahydrophthalimide into water in a quench zone, the initial temperature of the water being such that the higher temperature to which the water is raised by heat transfer from the molten tetrahydrophthalimide

is high enough to effect solution of substantially all the tetrahydrophthalimide but low enough so that the major proportion of the water is maintained in the liquid phase; filtering the resulting aqueous solution maintained at approxi-



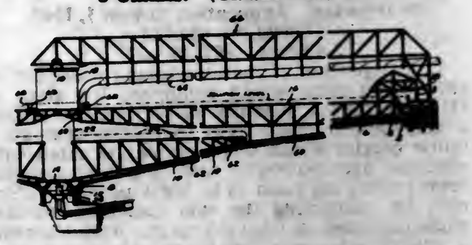
mately the same temperature as in the preceding step so as to remove water-insoluble impurities therefrom and cooling the residual aqueous filtrate to approximately 15 to 35° C. to crystallize the tetrahydrophthalimide out of solution.

2,566,967
MEANS FOR RESETTING BOWLING PINS
Gustave Humber, Los Angeles, Calif.
Application February 19, 1946, Serial No. 648,607
5 Claims. (Cl. 273—45)



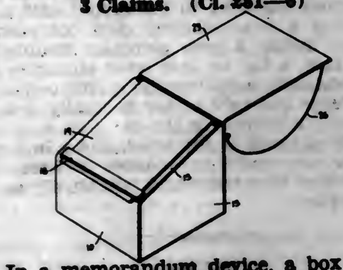
1. In a means for resetting fallen bowling pins in a bowling alley having a floor provided with openings adjacent one end thereof and fallen bowling pins positioned adjacent each of said openings upon said floor, each of said bowling pins being provided with a recess extending inwardly from one end thereof, a pilot pin positioned in the recess in each of said bowling pins for longitudinal slidable movement therein and having one end positioned adjacent said one end of said bowling pin, a plurality of cables positioned below said floor and having one of their ends secured to said one end of the adjacent one of said pilot pins, the other end of each of said cables extending toward the other end of said floor, means secured to said other end of each of said cables for exerting a force to pull said one end of each of said pilot pins into the adjacent opening in said floor to accurately station each of said bowling pins in an upright position over its adjacent opening, and resilient means circumposed about each of said pilot pins and urging the latter toward the other end of the adjacent bowling pin to pull the pilot pins out of the adjacent openings in said floor and into a position within the adjacent bowling pin.

2,566,988
SETTLING DEVICE
John P. Kolb, Queens Village, N. Y., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application February 16, 1946, Serial No. 648,159
8 Claims. (Cl. 210—55)



1. In settling apparatus, in combination, a centrally fed settling tank having an outlet near the upper periphery of the tank and having a central discharge for settled material, a first rake-carrying frame rotatable about a vertical axis substantially at the center of said tank, said first frame having arms extending to the periphery of said tank, the outer reaches of said arms being provided with rakes positioned close to the bottom of said tank, a second rake-carrying frame rotatable about the same axis as said first frame and having arms of shorter radius than those of said first frame, the arms of said second frame being provided with rakes normally positioned near the bottom of said tank, frame-supporting means at the center of said tank for supporting said first and second frame, first driving means operatively connected with said first frame for rotating said frame at a first predetermined rate and second driving means operatively connected with said second frame for rotating said second frame at a second predetermined rate whereby said second frame may be rotated at a higher rate than said first frame to cause the average linear speed of the rakes near the central portion of said tank and the average linear speed of the rakes near the periphery of said tank to be more nearly equal than they would be if all said rakes were mounted on a single frame.

2,566,989
MEMORANDUM DEVICE
Harvey Lathrop, Forest Hills, N. Y.
Application February 25, 1950, Serial No. 146,328
3 Claims. (Cl. 281—6)



1. In a memorandum device, a box having a bottom wall and upstanding side walls and end walls, the front end wall being of less height than the rear one and the side walls having upper edges which have a corresponding rearwardly upward inclination, a top wall hinged to the front end wall and swingable upwardly to afford access to the interior of the box, said top wall having a rounded free end and being

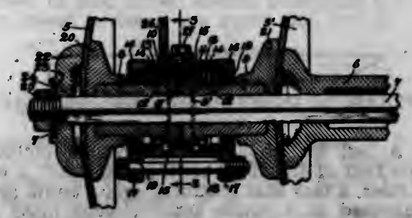
wide enough so that when it is in closed position it will rest upon the upper edges of the side walls, a retaining bar mounted on the upper surface of said top wall adjacent to its hinged end and parallel thereto, whereby a strip of paper of extended length can be disposed within said box with an end portion thereof extending upwardly around the rounded free end of said top wall and thence forwardly beneath said retaining bar, said paper strip thereby serving normally to hold said top wall in its closed position, said top wall having a relatively unyielding upper surface adapted to serve as a backing for the overlying area of said paper strip.

2,566,990
HEATED AQUARIUM
Andrew Mahle, Oakland, Calif.
Application September 5, 1947, Serial No. 772,373
5 Claims. (Cl. 219—38)



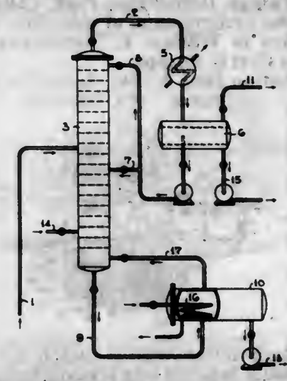
3. In an aquarium or the like, panel members extending from a base in mutually sealed relation to each other and to the base between connecting members at corners thereof and sealedly related to said connecting members and the base, a connecting member at one corner being of generally W-section and having its flanges engaged by adjacent panels and its web portions directed inwardly of the line of intersection of its flanges, a member of angle section having its flanges fixed against the different flanges of the corner element to provide a closed space thereat, at least the web portion of said corner member being of heat-conducting material, an electric heating unit, means providing a sealed enclosure for said heating unit extending from the said space into the aquarium space, and a thermostatic control means for said heating unit disposed within said space for actuation in accordance with the temperature in said space.

2,566,991
ADJUSTABLE BEARING FOR DISK HARROWS AND THE LIKE
William R. McKay, South Gate, Calif.
Application February 18, 1950, Serial No. 145,006
6 Claims. (Cl. 308—181)



1. An adjustable bearing of the character referred to, including a pair of bearing bushings having their adjacent ends threaded, a collar into the opposite sides of which the threaded ends of said bushings are screwed, whereby one of the bushings can be adjusted axialliy by turning into or out of said collar, a cylindrical housing around said collar and bushings, anti-friction bearing means between said bushings and said housing, means for retaining lubricant in said housing for said bearing means, said bushings having a bore therethrough of angular form in cross section, a shaft through said bushings and movable longitudinally therein, one of said bushings being rotatable a partial turn relative to the other when said shaft is withdrawn therefrom into said other bushing, whereby said first bushing is adjusted axially by said partial turn, and said shaft is returned to its normal place.

2,566,992
MANUFACTURE OF IMIDES
Jerome Perry Morgan, Maplewood, and Ernest O. Ohsol, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 6, 1948, Serial No. 58,754
8 Claims. (Cl. 260—326)



1. A continuous process for the preparation of an organic imide of a dicarboxylic acid which comprises the steps of continuously introducing an anhydride of the corresponding dicarboxylic acid into an intermediate portion of a fractionating zone, continuously refluxing within the fractionating zone at a temperature below the boiling point of the anhydride an organic solvent for the anhydride, said organic solvent being capable of azeotroping with water; feeding ammonia gas into a lower portion of the fractionating zone; withdrawing overhead a vaporous mixture of water-organic solvent azeotrope and ammonia and continuously recovering the organic imide which has been heated to a temperature above its melting point but below its boiling point in a molten state from a bottom portion of the fractionating zone.

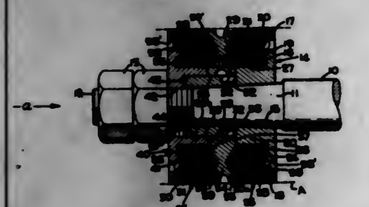
2,566,993
ELECTRICAL CONNECTOR
Frederick L. Parsons, Upper Montclair, N. J.
Application October 28, 1948, Serial No. 56,939
1 Claim. (Cl. 173—328)



An electrical connector comprising: a pair of inner and outer telescoping tubular members

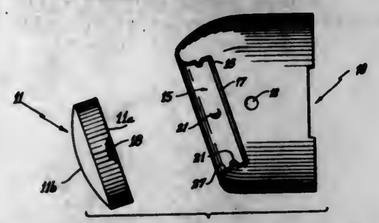
each housing, in registry, at least one of a pair of sealed telescoping contact elements, the outer tubular member comprising concentrically and longitudinally disposed springs, the free ends of said springs being inturned; a peripheral groove on the surface of the inner tubular member forming a recess for engaging the inturned ends of said springs, the diameter of the outer telescoping member at the point of inturnment of the springs being approximately equal to the diameter of the peripheral groove of the inner telescoping member, a slidable collar on the outer tubular member, the collar including a rigid ring set within a larger ring of extensible material, the rigid ring being set at the side opposite the free ends of the springs, whereby the extensible material holds the inturned ends of the springs in engagement with the groove when set therein.

2,566,994
RENEWABLE PUMP PISTON
John T. Phipps, Huntington Park, Calif., assignor, by mesne assignments, of one-third to himself, one-third to William F. Sturdivant, and one-third to Carl E. Phipps
Application June 2, 1945, Serial No. 597,335
3 Claims. (Cl. 309—23)



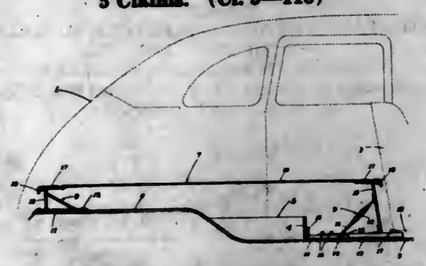
1. In combination with a piston rod having a longitudinally tapered end section terminating in a cylindrical threaded section upon which a nut may be placed, a piston having a body portion comprising a central tubular section formed with a central tapered bore, the outer surface of said tubular section comprising a cylindrical portion of relatively large diameter and a cylindrical portion of smaller diameter whereby an intermediate annular shoulder is formed, an enlarged disc-shaped flange formed upon the section of larger diameter and upon the opposite end thereof from said shoulder, an annular groove formed in the inner face of said flange, an outwardly flaring corrugated face upon said flange and extending circumferentially thereof, a deformable annular packing ring adapted to fit over the portion of the tubular member of large diameter and having one end face conforming in configuration with the groove and corrugations on the flange and against which said ring rests, oppositely inclined faces at the opposite end of said packing ring, a rigid removable spacing and supporting ring detachably mounted upon the length of the piston body of smaller diameter and having a face resting against the shoulder on the tubular body, a groove in the face of said ring conforming with and receiving the inclined faces of the packing ring, a complementary groove formed upon the opposite side of the spacing and supporting ring, a deformable packing ring having an end with inclined faces conforming with said groove and an opposite end with an annular bead and an inclined corrugated surface, a packing ring cap formed with a tubular portion extending through said last named packing ring and partially over the end portion of the reduced tubular section of the piston body, and an annular disc-like flange forming a part of said annular packing ring cap and resting against the corrugated end face of said second named piston ring, the tubular portion of said packing ring cap abutting against a face on the spacing ring providing a positive stop therefor, said packing ring cap being engaged by a nut on the piston rod to hold the entire assembled structure in a mounted position upon the piston rod.

2,566,995
DOLL'S EYE
Samuel Rose, Bayonne, N. J., assignor to Margon Corporation, Bayonne, N. J., a corporation of New Jersey
Application April 12, 1946, Serial No. 661,539
5 Claims. (Cl. 46—169)



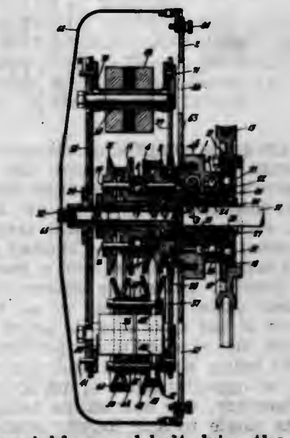
1. A doll's eye comprising a generally hemispherical shell provided with an inwardly depressed portion in the front part thereof, said depressed portion having a flat circular bottom wall and a surrounding cylindrical side wall, a lens of transparent material frictionally received in said depressed portion, said lens comprising a circular disc having a substantially flat rear wall, an arcuate front wall corresponding in curvature to that of the outer surface of the adjacent shell portion, and an interconnecting cylindrical side wall, the width of said side wall being substantially equal to said predetermined depth of said depressed portion, the diameters of said front and rear walls of said lens being substantially equal, and a central portion of said rear wall being colored to simulate an eye pupil.

2,566,996
AUTOMOBILE BED
Walter T. Scheld, Merced, Calif.
Application September 15, 1947, Serial No. 774,043
5 Claims. (Cl. 5—118)



1. A bed for an automobile which includes, to the rear of the front seat, a rear floor, a rear seat riser, a rear seat platform, and a trunk deck, all exposed in a single compartment upon removal of the rear seat cushion and back; said bed comprising a front post assembly adapted to be mounted on the rear floor, a rear post assembly being adapted to be mounted on the trunk deck, a hammock unit extending between the post assemblies, the hammock unit including rigid, transverse end rails, and means to secure said rails to corresponding post assemblies; said front post assembly including transversely spaced, longitudinally adjustable base members on the rear floor adjustable for engagement between the front seat and rear seat riser, and a post upstanding from each base member.

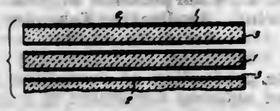
2,566,997
VARIABLE-SPEED DRIVE
William M. Schweickart, Mentor, Ohio, assignor to Speed Selector Inc., Cleveland, Ohio, a corporation of Ohio
Application August 20, 1946, Serial No. 691,812
5 Claims. (Cl. 74—793)



1. In a variable speed belt drive the combination with a stationary casing, of a rotary sheave frame in said casing and having outer rotary sheaves spaced from the axis of said rotary frame, drive means for said frame at one side of said casing, a stationary sheave in said casing, a rotary driven sheave in said casing having relatively shiftable halves varying the pitch diameter of said sheave, a driven shaft connected to said driven sheave and coaxial with said drive means, belt connections between said stationary sheave and said outer rotary sheaves, belt connections between said outer rotary sheaves and said rotary driven sheave, said coaxial drive means and driven shaft being sleeved one within the other to extend from the same side of said variable speed drive, and means responding to variations in torque applied by said drive comprising an axially fixed disk and an axially movable disk which is connected to one half of said driven sheave and rotary means between said disks varying the axial spacing thereof and of said halves of said driven sheave to control the relative speed between the input and output.

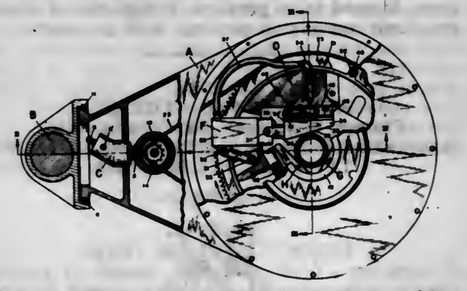
2,566,998
BUCKY GRID AND METHOD OF MAKING SAME
Samuel W. Strickman, Kew Gardens, N. Y., assignor of one-fourth to Charles E. Bloom, Glen Ridge, N. J., and one-fourth to Harry C. Bierman, New Rochelle, N. Y.
Application November 5, 1948, Serial No. 58,580
9 Claims. (Cl. 250—63)

1. A Bucky grid comprising contacting strips of non-metallic, X-ray transparent, synthetic plastic material, each strip having a thin layer of particles of lead anchored in the surface thereof resulting from the spraying of a uniform suspension of said particles in a highly volatile organic liquid free from adhesives under at least 20 pounds per square inch pressure to atomize said



liquid to cause gelling of said surface without solution thereof, said particles being partially embedded in said surface, said strips being cemented together, said strips being in the form of a helix.

2,566,999
IMPACT TONG AND SPINNER
Albert L. Stone, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application March 30, 1949, Serial No. 84,437
3 Claims. (Cl. 255—35)

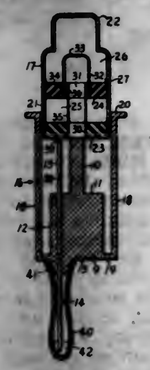


3. A combined tong and spinner for making up and disconnecting sections of pipe connected by screw thread joints comprising, in combination, a frame member defining an opening, a rotatable member mounted on said frame member for rotation and defining an opening at its axis of rotation for embracing a section of pipe and concentric with the opening defined by said frame surfaces forming parts of the boundary of the opening of the rotatable member each lying in a plane parallel to the axis of a section of pipe embraced thereby, an annulus rotatably and concentrically mounted on said rotatable member, air hammers each having a body portion, a reciprocating piston and an anvil member, wedge-shaped impact bodies each having an impact-receiving surface, the air hammers and impact bodies corresponding in number to said surfaces, a separate means arranged to contact each of said impact bodies and said rotatable body to guide each of said bodies along a corresponding surface, links corresponding in number to said wedge-shaped impact bodies, a separate pin member pivotally securing each of said wedge-shaped impact bodies to the body of an air hammer with the impact-receiving surface of the wedge body arranged to receive impact from the anvil member of the air hammer, a separate pivot member pivotally securing one end of each of the links to the body of one of the air hammers and to the body of said annulus member, a separate pivot member securing the other end of each of said links to said rotatable member, a reversible motor mounted on the frame and means including said annulus member, said pins and said links interconnected between said motor and said rotatable member for rotating the latter.

2,567,000
PRODUCTION OF DEXTROSE
Lee Wallerstein and Irwin Stone, New York, N. Y., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application February 27, 1948, Serial No. 11,332
8 Claims. (Cl. 195—11)

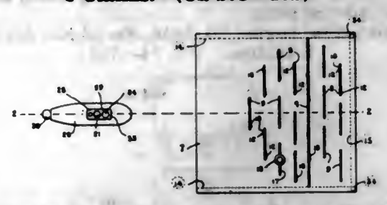
1. In the production of crystalline dextrose by treating an aqueous dispersion of a substance of the group consisting of starch and starch conversion products with at least 1/"k" parts by weight of a starch-glucogenase enzyme, wherein "k" is the starch-glucogenase activity of the enzyme as defined herein, for each 100 parts by weight of starch or starch conversion product at a pH of from about 3.5 to about 7.5 until a substantial portion thereof is converted into dextrose, maintaining the product under crystallising conditions until discrete crystals of dextrose are formed, and separating the dextrose crystals from the mother liquor, the improvement which comprises supplying at least a portion of the starch-glucogenase enzyme in the form of mother liquor separated from the dextrose formed in a previous treatment of starch or starch conversion product with an enzyme.

2,567,001
HYPODERMIC SYRINGE
Thomas E. Watson, La Canada, Calif.
Application February 6, 1950, Serial No. 142,593
12 Claims. (Cl. 128—218)



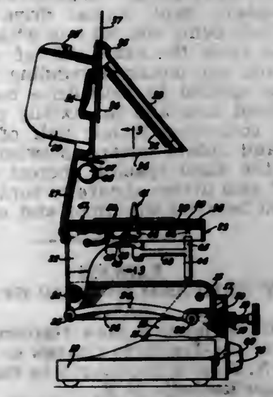
1. A hypodermic syringe comprising: a cartridge having a closed end; a plurality of transverse dams of puncturable material slidably carried within the internal cavity of said cartridge and normally dividing said cavity into a plurality of chambers arranged in succession longitudinally of said cartridge; guide means having a needle holder at one end, for guiding said cartridge in movement toward said needle holder, said needle holder having an abutment adapted to enter said cartridge to first move the outermost of said dams into contiguity with the next inwardly succeeding dam and then to move the contiguous dams towards said closed end so as successively to collapse said chambers; and cannular means carried by said needle holder and inclusive of a hypodermic needle, for successively puncturing said dams to permit evacuation of the contents of said chambers requisite to the collapse of said chambers, and having a lateral opening arranged to permit the contents of one chamber to flow into the succeeding chamber when the intervening dam has been punctured, said opening being so spaced from said needle holder as to be sealed by one of said dams when all but the last of said chambers has been collapsed said sealing then directing flow of the contents of said last chamber through said needle.

2,567,002
DISPLACEABLE TARGET GAME
Henry F. Wheeler, Richmond Heights, Mo., assignor of one-half to A. Edward Gross, Richmond Heights, Mo.
Application May 28, 1945, Serial No. 596,153
5 Claims. (Cl. 273—102)



1. A target game comprising a supporting sheet having elongated slots to receive the displaced targets, a plurality of separate target sheets made of material thin enough to move into and out of said slots, each of said separate target sheets having exposed upper portions located above the top of said supporting sheet, and a lower missile receiving member extending downwardly from said exposed upper portions, so as to extend through one of the slots and lie below the supporting sheet, the exposed upper portions of each target sheet being elongated and provided with extensions at opposite sides of its lower missile receiving member, the extensions being located at an acute angle to and loosely seated at opposite sides of the slot, so as to loosely support the target sheet at said opposite sides, and the lower missile receiving members of the targets being exposed below said supporting sheet to receive projectiles from a shooting device.

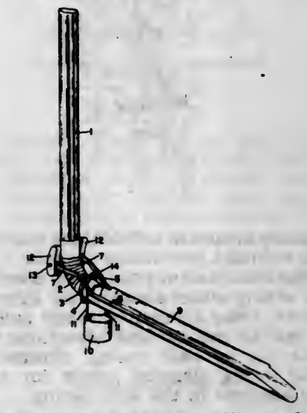
2,567,003
VISION PLOTTING DEVICE
Lee R. Wottring, Altadena, Calif.
Application November 17, 1949, Serial No. 127,863
6 Claims. (Cl. 33—20)



1. In an optical instrument, the combination of: a horizontal plotting table; a pair of tubular centering pins mounted in vertical spaced relation on said table and extending above said table; a plotting sheet having openings to receive said pins and resting when in use on said table; means for projecting beams of light upwardly through said pins, said pins being spaced approximately

the average distance between human optical centers; an upright wall provided on said table along one edge thereof; two eye windows provided in said wall in vertical planes normal to said wall and containing the axes of said pins; a shutter for optionally closing one or the other of said windows; a hood mounted on said wall and overlying said table; a plain mirror mounted within said hood to deflect said beams through said windows and give an observer looking through said windows a plan view of said sheet; and means for providing a movable marker on said sheet for plotting on said sheet an area of retinal response.

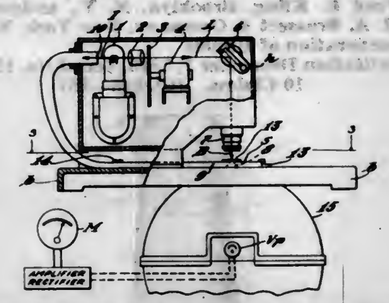
2,567,004
AUTOMATICALLY REGULATED LEAD-AWAY TROUGH FOR DOWNSPOUTS
Leslie William Benck, Moline, Ill.
Application May 24, 1947, Serial No. 750,270
3 Claims. (Cl. 137—9)



1. For use in connection with a downspout, an automatically functioning water-carrying trough and mounting means comprising supporting means to mount the trough pivotally upon an elbow constituting a part of the downspout, the trough being mounted at the lower end of the elbow to receive water therefrom, a pair of arms pivotally mounted on the supporting means, the arms being connected at one end to the trough and extending away from the trough beyond the pivot mounting of said trough, counterbalancing weights attached to the free ends of said arms, and a bucket pivotally connected to the arms between the pivot means and the ends of the arms, said bucket having a slow draining opening for slowly draining water therefrom and being supported in a position directly below the discharge end of the elbow when the trough is raised, and being of a size such that the combined weight of the bucket, when filled with water, and the gravity pull of the trough, when raised, will be sufficient to cause the trough to be lowered into discharging position and, when the bucket is not filled, the weight of the counterbalancing weights will cause the trough to be raised.

2,567,005
ALIGNING STAGE FOR INSTRUMENTS
Charles D. Bennes, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application October 11, 1947, Serial No. 779,309
9 Claims. (Cl. 33—14)

1. In instrument equipment wherein alignment of a testing area illuminated by light impinging thereon with a selected portion of an object to be tested is desired, a device for illuminating said object portion, which comprises the combination of: a light source; an optical system directing said light upon a supported object to be tested; and an object support for said object of translucent material having a light transmitting portion which defines a border of said test-



ing area and which faces said system to receive light directed by said system, a light issuing surface for supporting the object, said surface freely and unobstructedly facing said system and bordering on said transmitting portion, a light-admitting portion to receive light from said source, and internally reflecting surfaces between said light admitting portion and said light issuing surface for directing light from said admitting portion to said issuing surface.

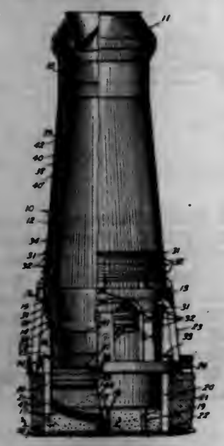
2,567,006
SKIRT MARKING DEVICE
Herbert G. Booth, Harrison, N. Y., assignor to David Traum Company, Incorporated, a corporation of New York
Application September 20, 1949, Serial No. 116,710
9 Claims. (Cl. 33—9)



1. In a skirt marking assembly comprising a support, a base therefor to hold said support in upright position, a backing member slidably mounted on said support, means to retain said backing member in adjusted position on said support, an arm pivotally connected near the lower end of said backing member, said arm having a channel shaped portion above said pivotal connection having side walls adapted to straddle said support when said arm is moved into juxtaposition thereto, said arm having a transverse marking slot in said channel portion thereof, whereby when said channel shaped por-

tion is moved into juxtaposition with said support, a line may be drawn through said slot upon a skirt clamped therebetween.

2,567,007
BLAST FURNACE
Herman A. Brassert, Washington, Conn., and Fred R. Kling, Brooklyn, N. Y., assignors to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application December 1, 1949, Serial No. 130,538
10 Claims. (Cl. 266—25)



6. In a gas-tight shaft furnace, the combination of a mantle ring, a tubular metal shell tapering upwardly from the mantle ring, a foundation, a columnar support for said shell and mantle ring and constituting a substantially linear downward extension of said shell from the mantle ring to said foundation, a bosh and hearth jacket connected to the shell, a gas-tight packing in said connection, a bottom plate secured integrally to said jacket to close the lower end thereof, a platform on said foundation supporting said bottom plate, said platform defining flues leading from beneath said plate to the atmosphere, and a refractory lining for said shell and jacket.

2,567,008
ARYL ESTERS OF 4-CHLOROBENZENE SULFONIC ACID
Edgar C. Britton and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 31, 1949, Serial No. 124,732
3 Claims. (Cl. 260—456)

1. The 3-chloro-2-biphenylyl ester of 4-chlorobenzene sulfonic acid.

2,567,009
EQUIPMENT FOR INSERTING SMALL FLEXIBLE TUBING INTO HIGH-PRESSURE WELLS
George H. Calhoun and Herbert Allen, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 24, 1948, Serial No. 35,004
10 Claims. (Cl. 166—1)

1. An apparatus adapted to be mounted on a well head for inserting an elongated semi-rigid string element into a high pressure well casing, said apparatus comprising casing closure means mounted on the well head and having a vertical bore therethrough through which said string element may be inserted, said bore having a diameter slightly greater than the outside diameter of said string element, means carried by said closure means adapted to seal the vertical bore of said



casing closure means in a fluidtight manner about the string element positioned therein, a gripping and feeding mechanism positioned directly adjacent said casing closure means for gripping and feeding said string element through said vertical bore and sealing means, and adjustable clamping means carried by said casing closure through which said string element passes for anchoring the string element in the well casing.

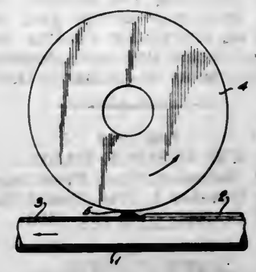
2,567,010
FUNGISTATIC WRAPPER
Gerald H. Coleman and Paul A. Wolf, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application January 13, 1947, Serial No. 721,880
3 Claims. (Cl. 167—33.6)

1. A cellulosic wrapping sheet carrying an effective fungistatic amount, at least 0.3 per cent of the weight of the article, of dehydroacetic acid integral therewith.

2,567,011
FLUOROCARBON ACIDS AND DERIVATIVES
Albert R. Diesslin and Edward A. Kauck, St. Paul, Minn., and Joseph H. Simons, State College, Pa., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application January 10, 1949, Serial No. 70,154
6 Claims. (Cl. 260—465.7)

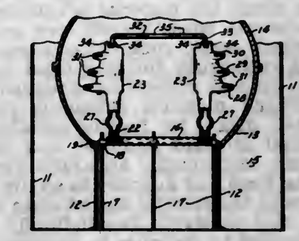
6. The fluorocarbon compounds of the class consisting of the fully fluorinated saturated noncyclic monocarboxylic acids which have from four to ten carbon atoms in the molecule and are represented by the formula $C_nF_{2n+1}COOH$, and their anhydrides, acid halides, amides, anilides, parabromoanilides, nitriles, alkyl esters, and metal and ammonium salts; these derivatives being hydrolyzable to form said acids.

2,567,012
COMBINED PRESSURE WELDING AND ARC WELDING METHOD
James Arthur Donelan, West Harrow, England, assignor to The General Electric Company, Limited, London, England
Application August 7, 1948, Serial No. 43,068
In Great Britain April 15, 1947
10 Claims. (Cl. 219—10)



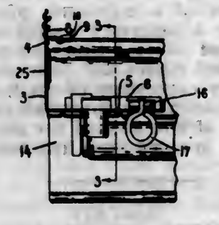
1. The method of welding two aluminum pieces comprising the steps of scratch-brushing the areas of contact to be joined, placing the scratch-brushed surfaces in contact with each other, applying, substantially without supply of external heat, to the area to be joined, a pressure to cause the metal of said surfaces to cold flow into intimate contact and to seal said surfaces at said area by cold welding, and subjecting the metal surrounding the cold weld formed to heat of a temperature, to cause the metal to fuse and flow at said weld.

2,567,013
MULTIPLE GAS BURNER FOR FURNACES
Charles E. Feinberg, Detroit, Mich.
Application March 28, 1946, Serial No. 657,847
1 Claim. (Cl. 158—7)



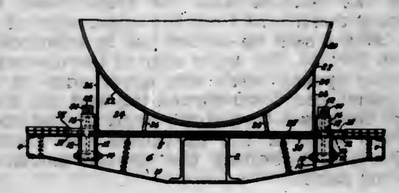
The combination, annular walls having a vertical axis and forming a fire chamber, a circular gas manifold therein coaxial with said fire chamber and joined to a gas source, a plurality of spaced vertically extending gas burners circumferentially distributed and joined to said manifold, and a plurality of vertically spaced sector shaped coaxial burner tips on each burner, with the arcuate portion of each tip having a horizontal elongated constricted and outwardly directed outlet slot, the corresponding burner tips of said burners at corresponding levels being arranged in substantially coaxial circles of vertically decreasing radii, and arranged for impingement upon said fire chamber.

2,567,014
FIXTURE FOR TUBULAR ELECTRIC LAMPS
Harold D. Fine, Marblehead, and Charles E. Barker, Danvers, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application February 18, 1948, Serial No. 9,118
1 Claim. (Cl. 240—51.11)



A fixture for tubular electric lamps comprising: an open-ended channel shaped chassis; an L-shaped, unitary end plate and lampholder strap disposed at each end of said chassis and attached thereto, each end plate being connected to the top of the chassis at the ends thereof and each lampholder strap being connected to the sides of the chassis near the lower longitudinal edge and near the ends thereof; lampholders mounted on each lampholder strap and depending therefrom; a reflector lying beneath said chassis and in engagement with the lower longitudinal edges thereof; and a latch mounted on each lampholder strap and depending therefrom, a portion of each latch extending through an elongated slot therefor in said reflector to secure the reflector in mounted position.

2,567,015
TANK CRADLE MOUNTING
Clyde H. Folmsbee, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application October 26, 1949, Serial No. 123,688
5 Claims. (Cl. 105—362)

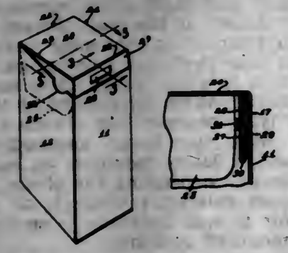


1. In a tank car, a tank shell, an underframe having a bolster for supporting the tank shell, a tank craddle supporting the tank shell upon the bolster, means secured to the bolster and limiting transverse movement of the tank cradle relative to the underframe, a pair of hook means pivotally carried adjacent each end of the bolster and swingable into engagement with a surface of said tank cradle to hold said tank cradle against vertical movements relative to the bolster, and means holding said hook means in the operative position.

2,567,016
HYDROCARBON RUBBER PLASTICIZED WITH A POLYVINYL COMPOUND
Albert M. Gessler, Cranford, and Andrew F. Sayko, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 21, 1947, Serial No. 781,256
17 Claims. (Cl. 260—45.5)

4. A vulcanized composition of matter comprising a mixture of a polymeric plasticizer compound having a molecular weight between 8,000 and 30,000, and selected from the group consisting of polyvinyl ethers and saturated polyesters, and a rubbery copolymer of an isoolefin and a conjugated diolefin, said materials being admixed in proportion of 5 to 25% of the plasticizer compound in the unvulcanized hydrocarbon copolymer.

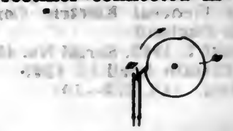
2,567,017
PAPER RECEPTACLE
Dwight E. Gillespie, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application November 19, 1946, Serial No. 710,754
3 Claims. (Cl. 229—17)



3. A receptacle formed of sheet material and comprising a body having a front panel, a top panel having a flap depending therefrom behind said front panel, the lower portion of the flap being up-turned and forming a locking tab up-turned in position to lie against the inner surface of said front panel, said flap having a pour opening above said tab, said top being movable up and down for lifting and lowering said flap to and from a position in which the pour opening is exposed above the front panel, and a down-turned tab integral with the front panel and extending downward from the upper edge of the panel behind said up-turned tab in interlocking relation thereto, the upper edge of the up-turned tab being spaced below the upper edge of the front panel and down-turned tab and the lower edge of the down-turned tab being spaced above the lower edge of the up-turned tab, thereby permitting and limiting the upward movement of the top panel.

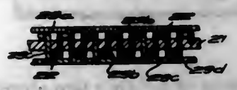
2,567,018
ELECTRICAL REMOTE CONTROL SYSTEM
Oskar Greb, Uster, Switzerland, assignor to Zellweger A. G. Apparate- und Maschinenfabriken Uster, Uster, Switzerland
Application December 29, 1945, Serial No. 638,064
In Switzerland December 30, 1944
10 Claims. (Cl. 177—353)

3. Receiving apparatus for a remote control system in which alternating current impulses of a constant frequency are transmitted from a control location to actuate remotely located switches, comprising an input circuit for receiving the impulses, said circuit being resonant at said frequency, and comprising a capacitor and an inductor connected in series, a storage capacitor and a rectifier connected in series across said



inductor for charging the storage capacitor at the voltage developed across said inductor, a relay having an energizing winding, and switching means for connecting said storage capacitor to said winding so as to discharge through same.

2,567,019
EXPANSIBLE BAND
William C. Johnson, East Providence, R. I.
Application October 4, 1946, Serial No. 701,263
2 Claims. (Cl. 139—423)



1. An expansive band composed of elastic warp threads, inelastic face warp threads, inelastic back warp threads and inelastic weft thread interwoven with all of said warp threads, the repeat for the face warp threads being three up and one down and the repeat for the back warp threads being three down and one up.

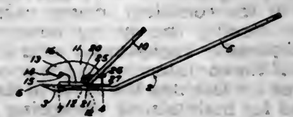
2,567,020
APPARATUS FOR FORMING CONTINUOUS WELDED TUBING
George B. Kueter, Dearborn, Mich.
Application February 11, 1950, Serial No. 143,638
8 Claims. (Cl. 219—6)



1. A machine for forming a tube from strip material in which the material is spirally wound and the adjacent edges thereof are secured to form a helical seam, comprising a supporting structure, a cylindrical forming head journaled for rotation on said supporting structure, a stationary forming mandrel extending into said forming head, means for feeding spirally wound strip material on said mandrel and into said forming head, and welding apparatus carried by said forming head and adapted to secure the adjacent edges of the spirally wound strip material and move said material longitudinally of said forming mandrel in response to rotation of said forming head.

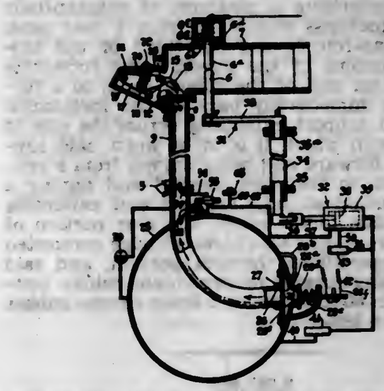
2,567,021
STAPLE EXTRACTOR
Arthur H. Maynard, Warwick, R. I., assignor to Bostitch, Inc., Stonington, Conn., a corporation of Rhode Island
Application April 8, 1949, Serial No. 86,210
3 Claims. (Cl. 254—28)

1. In a staple-extracting implement, a handle-member having a flat portion with a pointed blade projecting forwardly therefrom and formed with a concavity in its upper face, a rigid plate-like member projecting upwardly from the flat portion of the handle-member in perpendicular relation thereto and terminating in an inclined edge overlying the top of the blade on the handle-member in spaced relation thereto, a finger-lever formed with a lifter-blade adapted to seat in the concavity in the blade on the handle-member, means for pivotally mounting said finger-lever on the handle-member to adapt it to rock



in relation thereto to raise the lifter-blade from the concavity in the blade on the handle-member and carry it toward the inclined edge of the abutment member, and a spring acting between the handle-member and the finger-lever to normally maintain the latter with its blade seated in the concavity in the upper face of the blade on said handle-member.

2,567,022
AIR-BLAST CIRCUIT BREAKER
Humphreys Milliken, Mount Royal, Quebec, Canada
Application December 3, 1948, Serial No. 63,252
10 Claims. (Cl. 200—148)

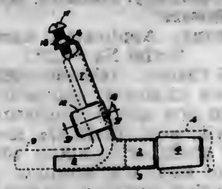


1. An air-blast circuit breaker comprising an interrupter, a storage tank containing air under pressure, a blast conduit for conveying a blast of air from said tank to said interrupter, a normally closed blast valve controlling communication between said tank and said conduit, air flow control means normally preventing the flow of air from said conduit to said interrupter and operable to permit flow of air from said conduit to said interrupter in response to an increase in air pressure in said conduit resulting from the opening of the blast valve, means for conducting air from said storage tank to said conduit in the closed position of the blast valve, a switch connected in series with said interrupter, pressure-responsive switch-operating means for operating said switch to open-circuit position, a pipe through which air under pressure is conveyed from said blast conduit to said pressure-responsive switch-operating means to operate said switch to open-circuit position, a normally closed valve in said pipe adapted to open automatically in response to velocity of air in the blast conduit resulting from the opening of said blast valve and means functioning in the closed position of the blast valve to prevent a gradual increase of pressure in said pipe.

2,567,023
PROCESS OF PREPARING A POLYVALENT METAL SOAP
Arnold J. Morway, Rahway, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 1, 1949, Serial No. 96,628
7 Claims. (Cl. 260—399)

1. The process of preparing a polyvalent metal soap of a sulfur bearing acid which comprises reacting an aliphatic mercaptan with an aliphatic acidogenic material, said mercaptan and acidogenic material having a combined chain length of 9 to 25 carbon atoms per molecule to form an acid, neutralizing said acid with an alkali metal base to form a water soluble soap, dissolving said soap in water and adding a hydrocarbon oil, adding a water soluble salt of polyvalent metal to form an oil soluble polyvalent soap and separating said soap from said alkali metal salt.

2,567,024
BENT STUD CHUCK
Robert W. Murdock, Orinda, Calif., assignor, by mesne assignments, to Morton Gregory Corporation, a corporation of Michigan
Application April 16, 1948, Serial No. 21,344
4 Claims. (Cl. 279—66)

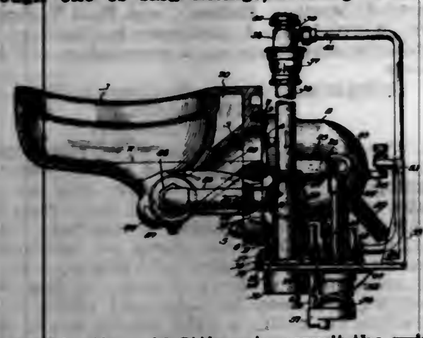


3. A chuck for a welding stud having two angularly related legs comprising a short length of tubing, a plug at one end of said tubing fashioned into a shank for connecting the stud to a welding gun, the other end of said tubing being split longitudinally and one of the split portions being bent out at an angle to the other split portion corresponding to the angle between the legs of said stud, said split portions providing a V-shaped grooved socket into which said stud is adapted to be inserted with the legs of said stud disposed one within each of said split portions, spring means associated with one of said split portions for retaining said stud within said V-shaped socket, the outer end portion of said outwardly bent split portion being bent so as to lie in the path of the groove of said split portion, and means secured to said last mentioned bent portion providing a stop against which the end of one leg of said stud is adapted to abut when the stud is inserted within said V-shaped socket.

2,567,025
FOLDING CLOSET BOWL
Otto C. Osterhage, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 1, 1947, Serial No. 758,275
9 Claims. (Cl. 4—10)

1. In a closet bowl mounted for swinging movement in a substantially vertical plane, the combination including valved supply means for flushing the bowl including a flush pipe, supporting means for the said bowl comprising a pair of oppositely disposed fittings connected by a shaft, the said shaft having a portion hollowed to com-

municate with the bowl discharge, the latter portion including a fitting permitting a discharge through one of said fittings, bearing members

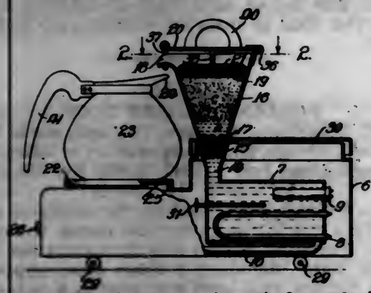


provided by the said fittings to permit the swinging movement of the said bowl, one of the bearing members forming a part of a fitting connected to the flush pipe from said valved supply means.

2,567,026
BICYCLOOCTANE ACETIC ACID AND ESTERS THEREOF
Earl L. Pelton, Glenn C. Wiggins, and Gerald M. Corbett, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application April 2, 1949, Serial No. 85,271
6 Claims. (Cl. 260—468)

1. As a new chemical compound, a material selected from the group consisting of (A) the monocarboxylic acid, $C_{12}H_{18}O_2$, melting at 49.3–49.5° C. and distilling at about 160° C. at 14–15 millimeters of mercury, absolute pressure, produced by heating hydroxy - tetrahydro - nor - dicyclopentadiene with a fused alkali metal hydroxide at a temperature in the range from 275° to 375° C., and (B) esters of said acid, wherein the esterifying radical is selected from the class consisting of lower alkyl groups and lower alkyloxyalkyl groups, the number of carbon atoms in each such alkyl group being from 1 to 4, inclusive.

2,567,027
BEVERAGE BREWER
Herbert W. Peters, Milwaukee, Wis., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Original application March 13, 1944, Serial No. 526,143. Divided and this application July 29, 1948, Serial No. 107,619
3 Claims. (Cl. 99—303)



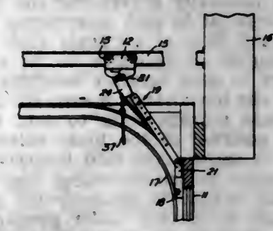
1. In combination, an inverted conical container for beverage producing material having a valved inlet opening at the lower apex end and a discharge spout at the upper base end, a cover for the container, means for hinging the cover to the container, an annular spring resiliently cooperable with the inclined inner surfaces of the container below the spout, a beverage strainer stretched across and firmly secured to the spring and in snug engagement with said inclined inner surfaces of the container, means carried by the cover for forcing the spring downwardly into tight compressive engagement with the inclined surfaces of the container when the cover is closed, and means for latching the cover in its closed position and for maintaining the spring in its tight compressive engagement with the container.

2,567,028
FOOT SUPPORT
Joseph F. Rapisarda, Cleveland, Ohio
Application January 4, 1950, Serial No. 136,727
1 Claim. (Cl. 36—71)



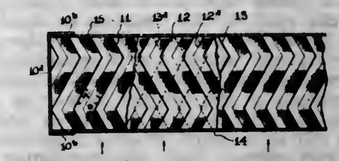
A support for the sole of the human foot, said support comprising a platform of substantially uniform thickness extending from a rear zone, between one-fourth and one-third of the longitudinal extent of the cuboid bone forwardly from the rear end of the cuboid bone, to a forward zone immediately back of the metatarsal heads, said support extending across the sole of the shoe with which it is to be worn, said support at its forward end being curved from a central portion to the sides thereof and having a beveled portion at said forward end extending from one side to the other, the rear portion of said support ending in a straight edge connected to the support by a beveled portion, and said support being formed of firm foam rubber testing between 60 and 110 on a RMA sponge rubber compression tester.

2,567,029
THROWOUT DEVICE FOR DOOR OPERATORS
Alfred H. Sauter, Riverside, Ill., assignor to H. W. Crane Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1948, Serial No. 11,289
4 Claims. (Cl. 268—58)



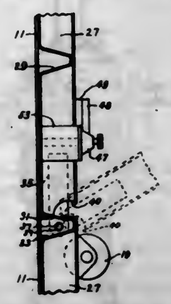
4. The combination of an overhead trolley movable between preselected positions and having a projection formed thereon, a door arranged to be moved between an open and a closed position, a rigid arm attached at one end to said door and having a first jaw portion for receiving said projection at its opposite end, a lever pivotally mounted on said arm for movement between first and second positions and having a second jaw portion, said second jaw portion in the first position of the lever shaped to receive said projection and to coact with said first jaw portion to secure said arm in assembled relation with said projection to secure the door to the trolley and in the second position of the lever shaped to permit connection and disconnection of the arm with the projection to attach the door to the trolley or release it therefrom, spring means normally maintaining the second jaw portion in the first position, and means for applying a force to said lever to move the latter to the second position.

2,567,030
FILTER PANEL
Oliver H. Schaaf, Shaker Heights, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 11, 1947, Serial No. 760,320
5 Claims. (Cl. 183—69)



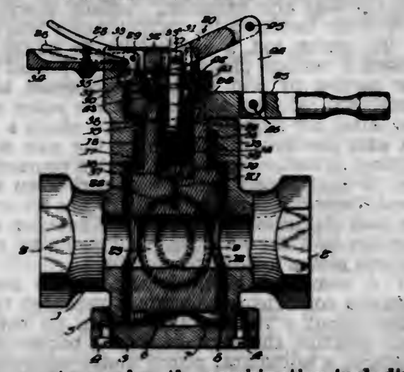
1. A filter panel for placement in a fluid stream and comprising a plurality of generally parallel contiguous foraminous mesh screens extending in the general direction of stream flow, each of said screens being provided with parallel corrugations generally Z form in plan, the corrugations of one screen crossing the corrugations of adjacent screens in crossed relation, and frame means for causing a fluid stream so to flow.

2,567,031
OVERHEAD DOOR
Charles E. Schlytern, Detroit, Mich.
Application December 20, 1946, Serial No. 717,395
4 Claims. (Cl. 160—232)



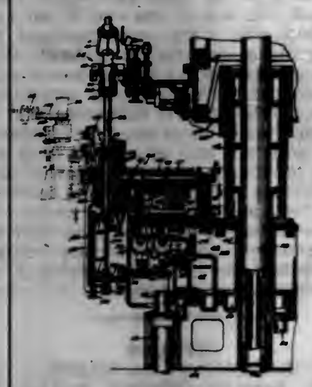
1. A multi-section overhead door comprising, a plurality of sheet metal door section panels of horizontally elongated conformation, a pair of end pieces for each door section, each end piece having a substantially channel shaped cross-section and being of a length substantially the same as the vertical dimension of the corresponding panel, said end pieces being individually disposed and secured with the open side of the channel cross-section thereof over the opposite ends of the door section panels, snap-on pivot hinge means connected together for pivotally joining the ends of the end pieces in a relationship which may be quickly assembled or disassembled, the adjacent ends of the end pieces being conformed to provide clearance space for relative rotation between the end pieces, guide means projecting from the end pieces of each door section, said snap-on pivot hinge means comprising an elongated resilient member secured on and extending along the outer side of the web of one end of each channel cross-section end piece, said resilient member being elongated suitably to extend along the outer side of the web of the adjacent end of an adjacent end piece, an inwardly extending pivot projection carried on the extending end of each resilient member to be pressed resiliently against said next adjacent end piece, and each adjacent end piece having in the other end of its web a socket aperture for receiving the inwardly extending pivot projection of the resilient member of the adjacent end piece so that sections may be quickly and conveniently joined in a hinged relation by snapping together the resilient members and end pieces.

2,567,032
ROTARY PLUG VALVE
Edward G. Schmidt, Western Springs, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application January 16, 1946, Serial No. 641,484
8 Claims. (Cl. 251—91)



1. In a rotary valve, the combination including a valve body with inlet and outlet ports, a closure member rotatably mounted in the said body provided with a port arranged to cooperate with said body ports so that in one position of said closure the ports of said body and closure are in communication and in another position communication is cut off, actuating means for said closure member, the said closure member having annular expandible and contractable means thereon arranged on predetermined expansion to effect a sealing contact with the said body, the expandible means being so located on the closure as to form sealing means around the inlet and outlet ports when expanded and the closure is in port closing position, means cooperating with the said closure member for expanding and contracting the said expandible means, the said latter cooperating means being so constructed and arranged that it may be operated to effect expansion of the expandible means when the actuating means is located in positions of full valve opening or complete valve closure but is rendered incapable of expansion operation in all other positions of the valve actuating means.

2,567,023
COMBINED GLASS BURN-OFF AND TRANSFER MACHINE
Harold R. Schutz, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application May 23, 1947, Serial No. 749,999
14 Claims. (Cl. 49—50)



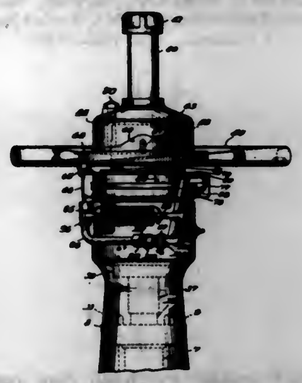
5. The combination of a carriage mounted for rotation about a vertical axis, a horizontal piston motor comprising a piston rod secured to the carriage and extending radially thereof and a cylinder mounted for reciprocation lengthwise of the piston rod, a vertical piston motor comprising a vertical piston rod and a vertical cylinder carried by and pivotally connected to said horizontal cylinder adjacent to the outer end of the latter for swinging movement about a vertical axis positioned laterally of the axis of said vertical cylinder, an article holder connected to the vertical piston rod for up-and-down movement therewith, and automatic means for actuating said piston motors during the rotation of the carriage and for effecting said swinging of the vertical piston motor and spindle.

7. A combined burn-off and article transfer machine comprising a carriage mounted for rotation about a vertical axis, means for continuously rotating the carriage, a ring burner on the carriage, a horizontal piston motor comprising a horizontal piston rod attached to the carriage and extending radially thereof and a horizontal cylinder mounted for reciprocation radially of the carriage, a vertically disposed piston motor comprising a vertical cylinder attached to said horizontal cylinder and a vertical tubular piston rod mounted for vertical reciprocation, a spindle extending lengthwise through said vertical piston rod, an article holder attached to the spindle at the upper end thereof, means for supplying fluid under pressure for operating the piston motors, valves mounted on the carriage and controlling the supply of fluid to the motors, stationary cams arranged to actuate the valves in the predetermined order of sequence required to effect the following operations of the piston motors and in the following order, namely, first, projecting the horizontal cylinder outward while the spindle is in lowered position and thereby bringing the article holder into position to receive a blown glass article from a blowing machine, then retracting the horizontal cylinder and thereby bringing the spindle and article holder with the article therein beneath the burner, then moving the vertical piston rod upward and thereby positioning the blown article within the burner, and after the burn-off operation moving the vertical piston rod down for lowering the blown article from the burner.

2,567,024
METHOD FOR SEPARATING A FRACTION OF BENZENE HEXACHLORIDE RICH IN THE GAMMA ISOMER
James M. Scovic, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 22, 1947, Serial No. 781,430
2 Claims. (Cl. 260—648)

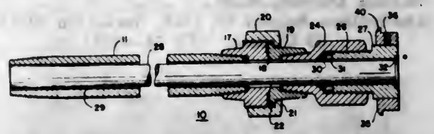
1. The method which comprises subjecting to steam distillation in the presence of water, the solution of a mixture of isomeric forms of benzene hexachloride in an organic solvent consisting principally of benzene and resulting from the addition chlorination of benzene to the point at which the liquid medium first becomes substantially saturated with benzene hexachloride, continuing the steam distillation until from about 40 to 80 per cent of the benzene hexachloride originally present is precipitated from the solution; filtering the mixture and separating the precipitated crystals, characterized by having a reduced content of the gamma isomer as compared with the charge, from the water and the remaining oily solution of benzene hexachloride; removing the solvent from the remaining oily solution; and cooling the residue to crystallize the remaining benzene hexachloride, characterized by containing most of the gamma isomer originally present in the charge.

2,567,035
VALVE ACTUATING MECHANISM OR THE LIKE
Raymond P. Setka, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 16, 1949, Serial No. 133,339
18 Claims. (Cl. 192—7)



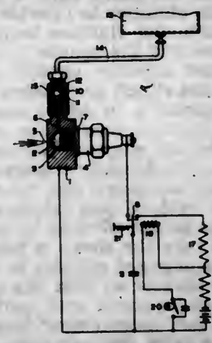
1. In a brake mechanism for a valve or the like, a stem, rotating means for actuating the said stem, the said rotating means including a yoke sleeve having an annular surface, brake shoes for engaging the said annular surface, the said stem rotating means including a cam mechanism cooperating therewith whereby the said rotating means is caused to move axially, lever means for effecting movement of the said brake shoes, ball and conduit means for moving a portion of the said brake shoes immediately upon rotation of the said stem rotating means.

2,567,036
FLUID-TIGHT LIGHT TRANSMITTING APPARATUS
Jack F. Shannon, Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application August 26, 1948, Serial No. 46,249
3 Claims. (Cl. 88—14)



1. Fluid-tight light transmitting apparatus between a light source and a remote point including, in combination, a tubular member connected fluid-tight by one end to the light source, a transparent rod extending through said tubular member and projecting from its other end, spring structure radially disposed about the rod in the annular space formed with the tubular member, a coupling arranged about the projecting end of the rod in fluid-tight engagement with the tubular member, and a packing in fluid-tight engagement with the rod by reason of compression by a portion of the coupling.

2,567,037
LIGHT PRODUCING METHOD AND APPARATUS
Wytze Beye Smits, Voorburg, Netherlands, assignor to Smitsvonk N. V., The Hague, Netherlands
Application June 16, 1948, Serial No. 33,287
In the Netherlands July 4, 1947
9 Claims. (Cl. 67—31)

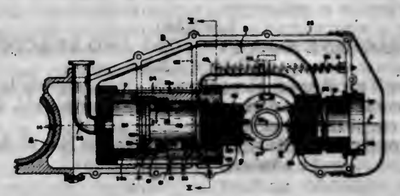


9. An apparatus for producing light of certain spectral colors comprising a sparker, a nozzle-like sparking chamber enclosing said sparker, and having an aperture opening to the outside, said sparker being operated by an electric circuit with condenser and switch member, said switch member adapted to connect rhythmically and alternatingly said condenser to said circuit and to said sparker; in combination with a source of liquid containing particles capable of being ignited by the energy of said sparks, and a narrow conduit opening into said sparking chamber, sidewards of the sparking zone, and connecting said chamber to said source of liquid, thereby, by means of said sparker, to produce a sequence of spark discharges evaporating, exploding the liquid contained in said chamber, ejecting it to the outside through said aperture and atomising it, and by said narrow conduit maintain, during said sequence of sparks, a flow of said liquid to said chamber and refill the same only partly during said sequence and thus to allow the sparks of said sequence to reach, through the unfilled portion of said chamber and through said aperture, said ejected and atomized liquid and ignite said particles.

2,567,038
DRYING FRUIT JUICES
Jesse W. Stevens, Upland, and David E. Pritchett and Willard E. Baier, Ontario, Calif., assignors to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application August 4, 1950, Serial No. 177,766
12 Claims. (Cl. 99—206)

1. A process for preparing a dried acidic fruit juice which comprises the steps of raising the pH of the juice by the addition of alkaline acting material, and subjecting it to a heat treatment sufficient to partially inactivate the enzymes thereof, then concentrating the juice by evaporation of liquid at low temperatures and low pressures until the juice contains about 75 to 90% solids, suspending the concentrated juice on at least a sufficient amount of a granular sugar to produce a moist granular mixture, and dehydrating said mixture to produce a substantially dry product.

2,567,039
TONG ASSEMBLY
Albert L. Stone, Palos Verdes Estates, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application May 17, 1947, Serial No. 748,836
5 Claims. (Cl. 255—35)

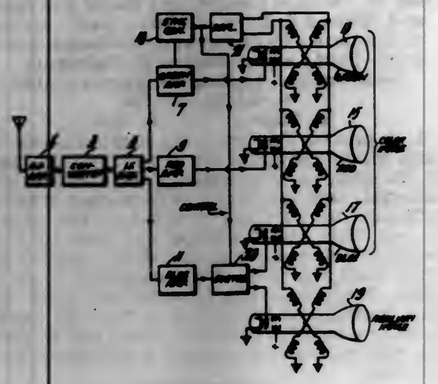


1. A tong assembly comprising, in combination, an arm member, a gripping assembly carried by the arm member including a first ram member, gripping dies mounted on the first ram member, a housing defining a reservoir slidably mounted on the arm member for movement parallel to the longitudinal axis of said arm member, a piston slidable in the housing with its axis coinciding with the axis of said arm member and defining a surface of given area exposed to said reservoir, packing means arranged in the housing cooperating with the first piston and housing to define a second reservoir a second ram member mounted on said housing with its axis coinciding with the axis of said arm, and gripping dies mounted on the second ram member facing toward and spaced away from the gripping dies mounted on said first ram member.

2,567,040
COLOR TELEVISION
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 26, 1947, Serial No. 793,932
1 Claim. (Cl. 178—5.2)

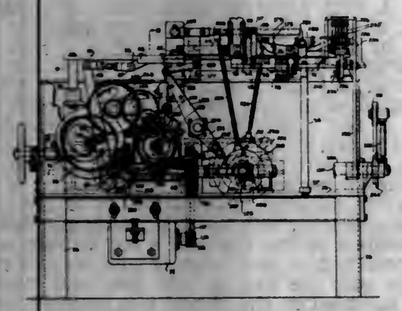
In a color television system of the type employing the transmission of substantially red, sub-

stantially blue and substantially green component color image representative signal trains developed by interlaced scanning, a first image reproducing device adapted to reproduce a substantially blue component color image from said substantially blue component color image representative signal train, a second image reproducing device, a



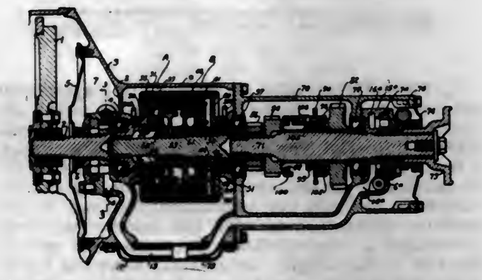
switching device connected to said first and second image reproducing device, means for applying to said switching device alternately during only alternate field scannings said substantially blue component color image representative signal train and an additional image representative signal train developed by interlaced scanning.

2,567,041
MACHINE FOR CUTTING AND SPACING SOAP CAKES
John Van Buren, Brooklyn, N. Y., assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application March 23, 1949, Serial No. 83,048
11 Claims. (Cl. 25—106)



1. In a machine of the character described, a movable support, a platform above and extending across the support and having a plurality of sections successively diminishing in width across said support, a plurality of means above the platform for feeding and spreading a plurality of soap bars into spaced rows of side by side bars on said platform, said soap bar feeding and spreading means comprising a plurality of pusher arms graduated in length across the support to engage and feed a diminishing number of bars in the successive rows to and across the platform.

2,567,042
TRANSMISSION AND CONTROL
Ernest E. Wemp, Detroit, Mich., assignor of five per cent to Eleanor May Wemp, Los Angeles, Calif., five per cent to Clyde J. Smith, Detroit, Mich., five per cent to Leah Kathleen Smith, Detroit, Mich., and twenty per cent to Lila A. Wemp, Detroit, Mich.
Application August 22, 1946, Serial No. 692,335
25 Claims. (Cl. 74—472)

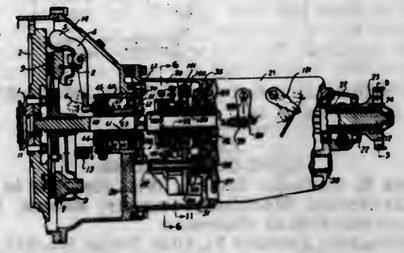


1. In an apparatus for transmitting torque from a driving member to a driven member, the combination of two friction clutches arranged to be engaged and disengaged, a gear set including first and second gears connected respectively to the two clutches to be driven thereby, other gears interconnecting said first and second gears for operation at different speeds of rotation, a coupler having dental engaging teeth, the gear set including two gears each having dental engaging teeth, the coupler being shiftable to a position of dental engagement with one of said two gears and to a position of dental engagement with the other of said two gears, said two gears being connected to the clutches to operate at different speeds of rotation, the clutches being associated with one member and the coupler being associated with the other member, control means operable to engage one clutch and disengage the other when the coupler is in either one of its said two positions, control means for shifting the coupler from dental engaged position with one of said two gears to dentally engaged position of the other of said two gears, and means for causing engaging of both of said friction clutches to set up a bucking action effected by said first and second gears to vary the speed of rotation of the gear about to be engaged relative to the speed of rotation of the coupler so that the coupler may be shifted into engagement with said last named gear when the last named gear has a speed of rotation substantially the same as that of the coupler.

2,567,043
TRANSMISSION AND CLUTCH CONTROL
Ernest E. Wemp, Detroit, Mich.
Original application November 20, 1944, Serial No. 564,216, now Patent No. 2,505,448, dated April 25, 1950. Divided and this application September 28, 1949, Serial No. 118,238
7 Claims. (Cl. 74—472)

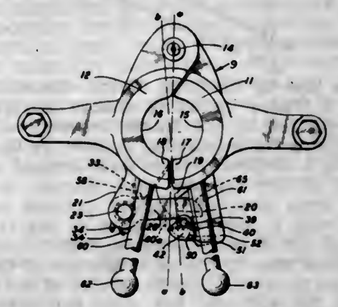
1. Means for shifting the gears in a gear change transmission in an automotive vehicle or the like having an engine with a throttle, said transmission having a shiftable member, a double ended cylinder, a piston therein connected to the shiftable member, a pump for liquid, a pressure line connecting the pump and both ends of the cylinder including a control valve chamber and a selector valve chamber, the selector valve chamber being positioned between the control valve

chamber and the cylinder, a selector valve in the selector valve chamber movable selectively to close the cylinder from the control valve chamber while venting both ends of the cylinder and to connect one end of the cylinder while venting the opposite end of the cylinder, a control valve in the control valve chamber, means connecting the control valve with the throttle to be actuated



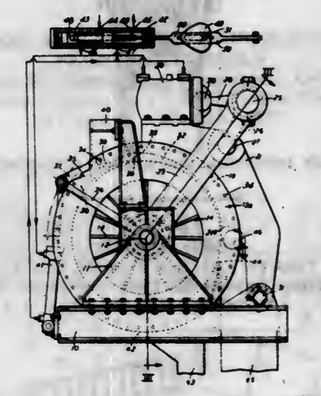
thereby, said control valve ported and operable by the throttle to connect the pump with the selector valve chamber, the selector valve serving as selected to close the pressure line and to direct the liquid under pressure to the selected end of the cylinder, said control valve being also ported to vent the selected end of the cylinder when the control valve is shifted by the throttle to close the pressure line to the selector valve chamber.

2,567,044
SAFETY LATCH FOR ELEVATORS
William Webster Wilson, Los Angeles, Calif.
Application August 9, 1946, Serial No. 689,496
3 Claims. (Cl. 294—102)



1. In a latch for an elevator comprising a pipe encircling structure with first and second free ends adapted to be latched together when the structure encircles the pipe, the combination of: a latch lug and a lock lug respectively carried by said first free end, both of said lugs being outwardly spaced from their associated end of the structure, with the lock lug spaced a greater distance than the latch lug; a latch lever hinged on said second free end for engaging said latch lug when said structure encircles said pipe; spring means urging said latch lever into a position for engagement with said latch lug; a lock lever on the outer face of said latch lever and positioned so that when said latch lever is in latching engagement with said latch lug, said lock lever will be positioned for locking engagement with said lock lug; means for urging said lock lever into engagement with said lock lug; manually engageable means carried by said lock lever for receiving a force which will swing said lock lever out of engagement with said lock lug and said latch lever out of engagement with said latch lug; and a wall extending from said first free end in a position to guard said manually engageable means.

2,567,045
CRUSHING MACHINE
Arthur Hugh Amery, Willaston, Wirral, England, assignor to J. Bibby & Sons Limited, Liverpool, England, a British company
Application June 13, 1945, Serial No. 599,276
In Great Britain July 5, 1944
9 Claims. (Cl. 100—47)



4. A crushing machine for expressing liquids from solids or semi-solids comprising a wheel and an arcuate crushing member which spans a part of the rim of the wheel, the said rim and the crushing member constituting opposite walls of a tapered crushing chamber, at least one of said walls having openings therein, a pivotal support for the crushing member located at one end thereof, a step-by-step mechanism for imparting intermittent movement to the wheel relatively to the crushing member, a feeding member supported on the rim of the wheel in front of the inlet end of the tapered crushing chamber and movable with the wheel in one direction for feeding material step-by-step through the crushing chamber, means for retracting said feeding member, a pressure applying means for moving the crushing member about its pivotal support and towards and away from the rim of the wheel during halts in the intermittent movement thereof, so as to crush the material in the tapered chamber, and means for collecting liquid expressed from such material and exuded through the openings in the wall of the chamber.

2,567,046
TWO-COLOR WAND LIGHT ATTACHMENT FOR FLASHLIGHTS
Gordon S. Andersen, Millbrook, N. Y., assignor to Stewart R. Brown Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application June 9, 1950, Serial No. 167,145
7 Claims. (Cl. 177—329)

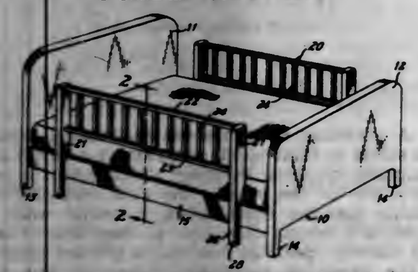
3. A device of the class described which comprises a metallic head, a threaded flange thereon to adapt it to be screwed on to the top of a flash light casing containing batteries, said head having a socket in the top face thereof in line with the axis of the casing when applied, a light-transmitting elongate wand disposed in said

socket, said head having bores extending downward therein from the bottom of the socket, and



light bulb receiving assemblies disposed in said bores.

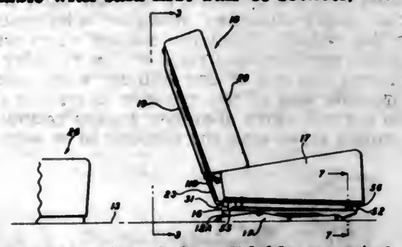
2,567,047
BED GUARD
George J. Arliss, Detroit, Mich.
Application August 23, 1946, Serial No. 692,571
3 Claims. (Cl. 5—331)



1. In combination with a bed having two side-boards, each of which is equipped with a lateral strip along its length for support of bed springs, a guard applicable to one of said side-boards, said guard including two vertical posts spaced from each other, a grill work between said posts but above the top of the side board to which the guard is applied, the lower portion of each post being divided by a vertical slot into two legs bearing frictionally against the respective side-board from the opposite sides, one of the legs resting on the ground and the other one, being shorter, resting on the lateral strip of the board to which the guard is applied..

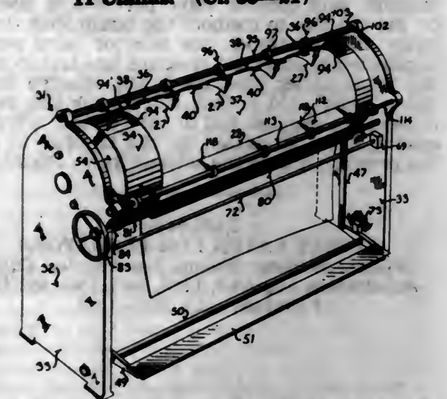
2,567,048
CAR SEAT CONVERTIBLE TO BED
Willis R. Battles, Redondo Beach, and Ralph A. Battles, El Monte, Calif.
Application October 27, 1947, Serial No. 782,320
6 Claims. (Cl. 155—7)

1. A vehicle seat comprising a framework adapted to be mounted in a substantially horizontal position above the floor of the vehicle, a seat cushion supported on said framework, a back rest cushion, a first pair of spaced sockets mounted adjacent the rear edge of the framework, a pair of elbows, one leg of each elbow being inserted in each of said first pair of sockets and rotatable therein, releasable means associated with each of said sockets to prevent rotation of said elbows, a second pair of spaced sockets mounted on said back rest cushion and alignable with said first pair of sockets, the sec-



ond pair of sockets being slidably mounted over the other legs of said elbows.

2,567,049
LINE-UP MACHINE
Frank R. Belluche, Racine, Wis., assignor to The Christensen Machine Company, Racine, Wis., a corporation of Wisconsin
Application January 31, 1945, Serial No. 575,399
11 Claims. (Cl. 33—21)

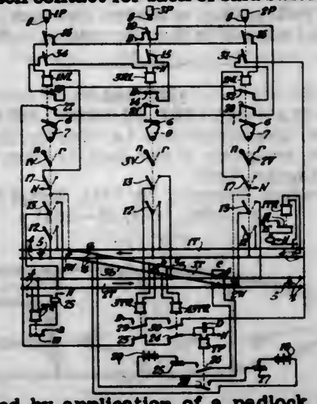


2. In a line-up machine of the character described: a frame including spaced uprights; a cylinder carried by the frame between said uprights; means for advancing a sheet by its front edge along a circumferential path defined by the side wall of the cylinder and through a fixed working zone near the upper portion of the cylinder with a substantial area of the trailing portion of the sheet resting on the cylinder in said working zone to enable inspection of printed material on the sheet; means carried by the frame alongside the cylinder but near the lower extremity of said working zone having friction means thereon adapted to lightly engage the trailing portions of a sheet advancing through said working zone to act as a drag thereon and to thereby hold the trailing portion of the sheet taut against the side of the cylinder in said working zone; and marking means supported by the frame and disposed in said working zone so as to lie in the path of travel of a printed sheet advancing therethrough for delineating lines on a sheet either while the sheet is moving or while the sheet is at rest on the cylinder.

2,567,050
CONTROL OF ELECTRIC LOCKS FOR RAILWAY TRACK SWITCH OPERATING LEVERS
John H. Broadbent, Willistown Township, Chester County, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 3, 1946, Serial No. 700,862
15 Claims. (Cl. 246—146)

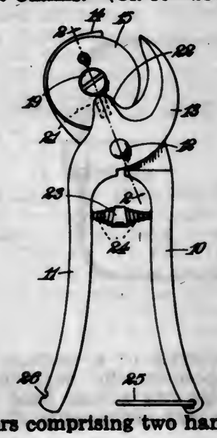
1. In traffic protection apparatus for a crossover track which is divided into two sections each

of which is provided with a track circuit including a track relay, including a track switch at each end of said crossover track for interconnecting two main tracks, the combination comprising, a manually operable switch lever for each of said switches each having a normal and a reverse position for operating its switch to normal and reverse positions respectively, a manually operable auxiliary lever having a normal and a reverse position, an electric lock for each of said switch levers for locking its lever in the normal position, an electric lock for said auxiliary lever for locking its lever in the reverse position, a normal latch contact for each of said switch levers



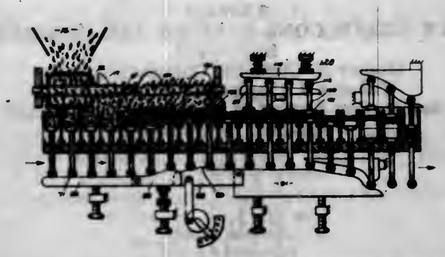
each closed by application of a padlock in position for locking its lever in the normal position, means controlled by said normal latch contacts and by front contacts of said track relays for energizing said electric lock for said auxiliary lever, means controlled by said auxiliary lever in its reverse position for energizing said electric locks for said switch levers, traffic governing means which in the operative condition directs traffic movements on one of said main tracks over the associated one of said track switches, and means controlled by said auxiliary lever for placing said traffic governing means in the inoperative condition if said auxiliary lever is moved to its reverse position.

2,567,051
SECATEUR
Samuel Brookes, Sedgley, near Dudley, England, assignor to Walter Levison and Henry W. Littlesales, London, England
Application April 10, 1950, Serial No. 154,943
In Great Britain August 19, 1949
2 Claims. (Cl. 30—237)



2. Secateurs comprising two hand grips, a pivotal connection between the hand grips, extensions on the hand grips beyond the pivotal connection, one of which extensions comprises a cutting blade, a cutting disc having opposed flat and convex faces, a concavity on the other extension arranged to accommodate the convex face of the cutting disc and so as to locate the flat face flush with the face of the extension, a spindle within the concavity on which the cutting disc is rotatably mounted, a projection on the flat face of the cutting disc, guide means on the first said extension adapted to engage the projection and rotate the disc when the hand grips are pivotally moved.

2,567,052
METHOD AND APPARATUS FOR PACKING FLAKE MATERIALS
Eben H. Carruthers, Warrenton, Oreg.
Application September 17, 1947, Serial No. 774,626
38 Claims. (Cl. 226—103)



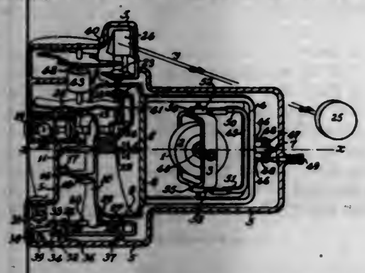
1. A method of packing a predetermined weight of moist, flaky materials in a container which comprises loosely filling a chamber with said materials, compressing said materials sufficiently to form a mass of substantially uniform density, trimming said mass to a predetermined thickness, thereafter compressing said mass into a cake of sufficient rigidity and cohesiveness that it will adhere to the walls of the chamber without other support and transferring said cake to the container in cake form.

4. A machine for packing materials in a container comprising, in combination, a series of compression chambers, means for moving said compression chambers through a path of travel, means for filling said chambers with the material to be packed, a piston movable with each of said compression chambers throughout their path of travel, a plunger, means for moving said plunger through a path of travel at least a part of which coincides with the path of travel of said chambers, and means for moving said plunger into a chamber to compress the material to be packed between the plunger and the piston.

2,567,053
ARTIFICIAL HORIZON HAVING GYROSCOPE CONTROL MEANS
Spiro John Catravas, Cottesloe, Johannesburg, Transvaal, Union of South Africa
Application July 30, 1949, Serial No. 107,693
In Great Britain August 3, 1948
10 Claims. (Cl. 33—1)

1. An artificial horizon comprising within a casing, a gyroscope having a rotor and inner and outer pivotally mounted frames; a fluorescent screen carried by the outer frame; a pendulum pivotally mounted co-axially with the outer frame; an optical aperture in said pendulum; a source of light; optical means for directing rays from said source of light through said optical aperture and focussing them on said screen; optical means for directing the rays emitted from

said screen into a viewing means; and shutter means for preventing the rays from the source of



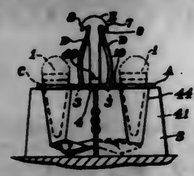
light reaching the screen at the instant when rays emitted from the screen are being directed into the viewing means and vice versa.

2,567,054

ICE-CREAM CONE CARRIER AND CARRIER SUPPORT

Homer A. Clement, Chelmsford, and Thomas J. Cleghorn, Lowell, Mass.

Application August 25, 1948, Serial No. 46,138
9 Claims. (Cl. 224—48)



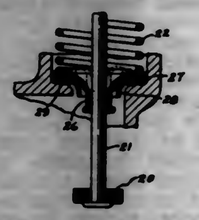
1. An ice cream cone dispensing device comprising an ice cream cone carrier formed from a single blank of flexible sheet material having cuts defining ice cream cone holes, a locking stud hole, two parti-circular peripheral bails and a central bail hanger and having hinge creases for said bails and hanger and a carrier support including a supporting surface in contact with uncut portions of the underside of the carrier and including a first stud projecting upwardly from said surface, beneath the hinged bail hanger, to lift said hanger and a second stud, provided with an undercut, and projecting upwardly from said surface through the locking stud hole, with the undercut portion extending beyond the stud hole and engaging the surface of the carrier.

2,567,055

PUMP DIAPHRAGM ASSEMBLY

Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application February 3, 1947, Serial No. 726,186
4 Claims. (Cl. 103—150)



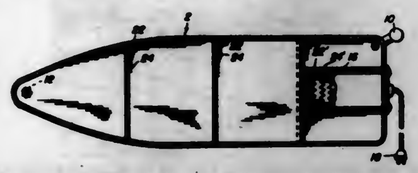
4. A diaphragm assembly for a fuel pump comprising a diaphragm, an actuator stem projecting therefrom, an actuating shoulder at the free end of said stem, a generally conical collar sealingly received on said stem but slidable therealong for self-adjustment in case of abnormal shifting of said stem relative to said collar, said collar having a flexible intermediate portion permitting normal stem actuation while said collar continues to grip said stem, a relatively rigid housing member arranged about said stem and fixed to the periphery of said collar and normally enclosing the base portion of said conical collar, said housing member being adapted to receive the reduced portion of said conical collar when the intermediate portion of the latter is flexed, and a coil spring arranged between the outer marginal edge of said collar and said diaphragm.

2,567,056

STEAM-HEATED IRONING BOARD

John W. Coumerilh and Lee Coumerilh, Mullan, Idaho, assignors of one-half to Cora B. Sands, Los Angeles, Calif.

Application February 18, 1948, Serial No. 9,125
1 Claim. (Cl. 38—103)



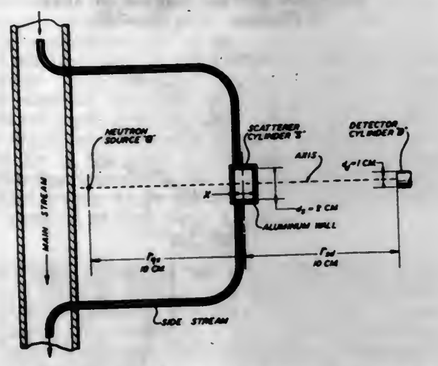
In an ironing board, a false bottom extending the entire length of said board and forming a steam chamber, a trough removably secured to one end of said false bottom, an electric heating element disposed in said trough, fluid inlet means adjacent said trough, a condensed fluid outlet at the other end of said false bottom, transversely extending perforated baffles in said steam chamber, and longitudinally extending perforated baffles in said steam chamber on both sides of said heating element.

2,567,057

CHEMICAL ANALYSIS USING NEUTRONS

Kenneth C. Crumrine, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application August 2, 1948, Serial No. 41,962
2 Claims. (Cl. 250—83.6)



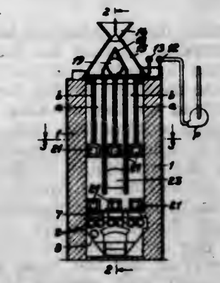
1. In the analysis of a mixture of carbon-hydrogen compounds, the improvement which comprises bombarding a fixed fluid cross section of the mixture with neutrons having an energy not to exceed 10^4 ev., determining the intensity of neutrons emerging from the mixture and comparing this intensity with a neutron intensity determined by bombarding a fixed fluid cross section of known composition and containing a carbon-hydrogen compound with neutrons having an energy not to exceed 10^4 ev. and determining the intensity of neutrons emerging from this second cross section.

2,567,058

APPARATUS FOR SEQUENTIALLY DEGASSING AND COMBUSTING SOLID FUEL HAVING A LOW SINTERING TEMPERATURE

David Dalin, Ronninge, and Claes Joel Gejrot, Orebro, Sweden; said Gejrot assignor to said Dalin

Application March 8, 1945, Serial No. 581,700
In Sweden March 31, 1944
4 Claims. (Cl. 122—282)



1. Apparatus for sequentially degassing and combusting solid fuel, comprising: means defining an upright shaft having a fuel inlet at the top; a grate at the bottom upon which the fuel in the lower portion of the shaft may be burned whereby said lower portion of the shaft comprises a combustion zone and the upper portion of the shaft provides a degassing zone; and means for controlling the temperature of the fuel in said degassing and combustion zones comprising a plurality of boiler fluid conducting tubes, and means mounting said tubes within the shaft with portions thereof in the degassing zone and portions thereof in the combustion zone to be directly embedded in the fuel filling said zones, and said tubes being spaced at close intervals transversely across the shaft so that the cooling influence of boiler fluid of a temperature less than that generally prevailing in the combustion and degassing zones circulating therethrough effectively reaches all portions of the fuel in said two zones to thereby control the temperature of the same, and inlet and outlet headers connected with said tubes for supplying and receiving boiler fluid circulated through the tubes.

2,567,059

EXTENSIBLE FISHING NET

Roy E. Deeble, Long Beach, Calif.

Application December 13, 1947, Serial No. 791,555
5 Claims. (Cl. 43—12)

1. A folding fishing net with an extensible handle, said handle comprising a hollow outer end, a rod telescopically mounted therein, a head on one end of said rod, said head comprising superposed sections, stop lugs adjacent the forward end of the upper section, both of said sections having oppositely positioned facing grooves, a shaft pivoted in said grooves, a net frame including laterally spaced arms, said arms being adapted to rest on said stop lugs, the free ends of said



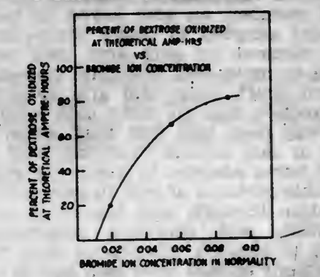
arms being secured to the shaft, and a net secured to said arms in advance of the head.

2,567,060

SUGAR SEPARATION

Gonzalo C. Docal, Habana, Cuba, assignor to Sugar Research Foundation, Inc., New York, N. Y., a corporation of New York

Application September 24, 1947, Serial No. 775,825
3 Claims. (Cl. 127—53)



1. A method of obtaining substantially pure fructose from an electrolytically oxidized, lime-neutralized invert sugar liquor free of calcium gluconate which comprises solvent-extracting a given volume of said liquor with about an equal volume of isobutanol and crystallizing fructose from the isobutanol extract.

2,567,061

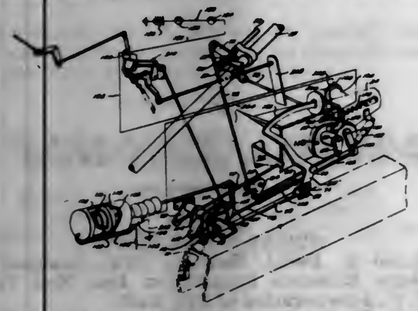
TRANSMISSION CONTROL

William T. Dunn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application August 1, 1947, Serial No. 765,393
4 Claims. (Cl. 74—335)

1. In a change speed power transmission for a motor vehicle, a pair of parallel shift rails adapted for selective shifting in different directions to establish different speed ratio drives, a lever mounted for movement in a plane parallel to the plane defined by said rails, said lever having each of its end portions operatively connected to one of said rails, a pivotally mounted selector lever adapted for swinging about its pivot into locking engagement selectively with said rails thereby to determine the rail to be moved when said lever is moved, a movable member, a first means to move said member through a predetermined cycle including move-

ment in a first direction and return in response to selected vehicle operating conditions, a second means to cause successive cycles of movement of said member to alternately move said lever in said first direction and in said second direction, said second means comprising a first rotatable shaft, a pair of oppositely directed lever arms keyed to said first shaft, an operative connection between one of said lever arms and said lever, a first finger element rotatably mounted on one of said lever arms and having an engageable portion, a second finger element rotatably mounted on the other of said lever arms and having an engageable portion, a second rotatable shaft operatively connected to said mem-



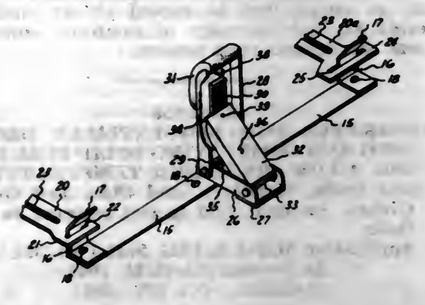
ber for rotation thereby in a first direction and in a second direction in response to movement of said member, an arm keyed to said second shaft and adapted to rotate therewith, an engaging element on said arm, said arm being adapted to move said engaging element toward said first shaft when said arm rotates in said first direction and to move said engaging element away from said first shaft when said arm rotates in said second direction, said engaging element being adapted to selectively engage said engageable portions of said fingers and to transmit motion through said fingers to rotate said first shaft, said operative connection being adapted to convert rotation of said first shaft to movement of said lever and one of said rails.

2,567,062
FILTER BOWL CONSTRUCTION
James L. Edelen, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application October 23, 1947, Serial No. 781,592
1 Claim. (Cl. 285—22)



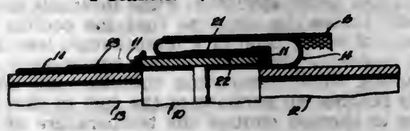
The combination with a body arranged for stationary mounting and a bowl with a threaded wall portion for assembly with said body, of locking means comprising a gasket of yielding material between said body and bowl, ratchet teeth on the threaded edge of said bowl for embedding in said gasket to thereby resist unthreading of said bowl and a smooth surfaced, narrow ring on said threaded edge adjacent said teeth and extending substantially flush therewith for sealing engagement with said gasket.

2,567,063
SUPPORTING DEVICE
Harold C. Fox, Dallas, Tex.
Application September 14, 1946, Serial No. 697,003
13 Claims. (Cl. 248—25)



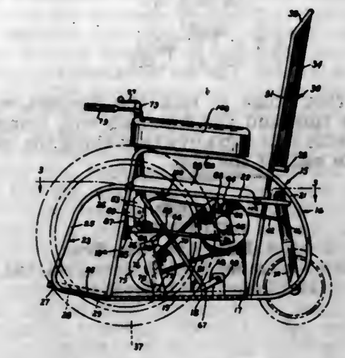
1. A supporting device adapted to be mounted on a tiltable working surface for holding a typewriting machine in operating position thereon including, a base member having means whereby it may be secured to the working surface and having projecting connecting posts disposed at the rear of the machine, connecting members connectable to the underside of the typewriting machine and projecting rearwardly beyond the rear of the machine and engageable with the connecting posts for detachably connecting the machine with the base member, and a supporting member carried by the base member and swingable vertically with respect to the working surface and engageable with the rear of the machine above the connecting members to prevent said machine from tilting when the working surface is tilted.

2,567,064
METHOD OF MAKING TIRES
Larry C. Frazier, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Original application October 28, 1949, Serial No. 124,225, now Patent No. 2,565,071, dated August 21, 1951. Divided and this application April 20, 1950, Serial No. 157,111
4 Claims. (Cl. 154—14)



1. The method of forming a pneumatic tire carcass on a cylindrical forming drum comprising the successive steps of wrapping a layer of tire fabric about said drum, said fabric extending beyond the opposite ends of said drum; securing said wrapped fabric into a substantially cylindrical form, expanding said forming drum and a central overlying portion of said fabric which is in contact therewith radially outward to hold a pair of concentrically mounted bead rings in spaced parallel relation thereabout, expanding said extending end portions of said tire fabric radially outward to a diameter greater than that of said expanded central portion, and successively folding each of said end portions in turn outside inwardly over itself, an adjacent bead ring and said central portion thereby to form a multiple ply tire carcass.

2,567,065
WHEEL CHAIR STEERING AND DRIVE CONTROL
Kenneth Ginsterblum, Osage, Iowa
Application October 21, 1946, Serial No. 704,681
11 Claims. (Cl. 180—27)



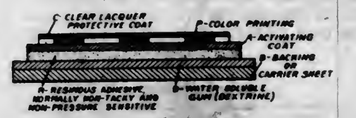
6. In a power driven wheel chair having a chair body with traction wheels and a steering wheel mounted thereon, the combination of pivotally supported driving means for said traction wheels and a rockable control structure comprising a pivotally mounted supporting frame, connecting linkage between said frame and said driving means for positioning the latter in and out of driving relation with said traction wheels in response to rocking movement of said frame, an upright steering post rotatably mounted in said frame and operably connected to said steering wheel, and an upright control column telescopically engaged with said steering post, said control column being adapted to impart rotary movement to said steering post for steering the wheel chair and also adapted to impart rocking movement to said frame, and said control column being removable from said steering post for non-power driven use of the wheel chair.

2,567,066
ROBOT CONTROLLED LIMB
Irving A. Goldman, Alexandria, Va.
Application May 15, 1948, Serial No. 27,272
7 Claims. (Cl. 3—12)



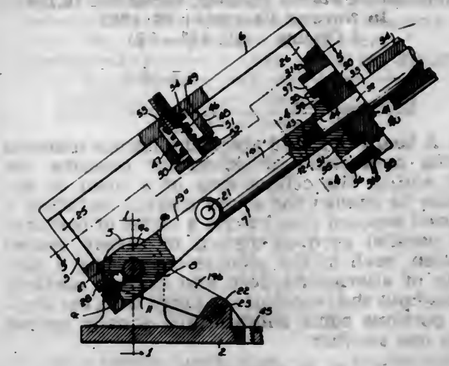
1. In an artificial hand having a plurality of tubular fingers, contact pads on the inner surfaces of each of the fingers, contact pins in the pads for engaging a surface to be felt, wires leading from said pins, a bimetal member to which the wires are joined to be influenced by differences in temperature transferred from said contacts through said wires, and an indicator actuated by said bimetal member.

2,567,067
PRESSURE SENSITIVE DECALCOMANIA AND METHOD OF MAKING THE SAME
Alfred F. Grupp, Glen Ellyn, Harry C. Rathke and Elwood S. Talan, Chicago, Ill., and Elmore Watts, Mission, Kans., assignors to The Meyercord Co., Chicago, Ill., a corporation of Illinois
Application November 29, 1947, Serial No. 788,816
16 Claims. (Cl. 117—3.6)



5. A method of forming a pressure sensitive decalcomania having a water permeable backing with a water soluble film thereon which comprises applying over said film a solution comprising a thermoplastic resin in a volatile solvent, permitting said solution to dry to form a normally non-tacky and non-pressure sensitive resinous layer, applying directly thereover a transfer design film, permitting the latter film to dry, subsequently applying directly over the design film a lacquer containing a sufficient quantity of a readily migratable plasticizer to render said resinous layer tacky and pressure sensitive, and allowing said plasticizer to migrate through said transfer design film to said resinous layer and thereby convert the latter to a tacky pressure sensitive condition.

2,567,068
CAMERA MOUNTING OR DOLLY
Otto Halmer, Los Angeles, Calif.
Application December 7, 1945, Serial No. 633,301
11 Claims. (Cl. 248—177)



1. In a camera mounting or dolly for supporting a camera on a tripod or the like, the combination of a base to be attached to the tripod head, an upper dolly member having a substantially flat upper face constituting a camera seat, a fastening bolt on said seat for securing the camera thereto, and about which the camera can be adjustably oriented, means for supporting the upper dolly member on the base for adjusting rotation about a first axis located in a laterally displaced position with respect to the middle portion of the base member, said supporting means including means for enabling the upper dolly member to be rotated for adjustment around a second axis disposed substantially in a plane passing through the first axis and extending substantially at right angles to the first named axis.

2,567,069
DETACHABLE CONNECTOR
Frank Bernard Harley, Camberley, England, assignor to Aerolex Limited, Camberley, England
Application October 1, 1948, Serial No. 52,191
In Great Britain December 15, 1947
2 Claims. (Cl. 24—221)



1. A quick release connector comprising a socket part, a plug part, these two parts being respectively shaped to provide the components of a bayonet projection and socket connection, a plunger in the socket part, the plunger having a contour corresponding to the entrance contour of the socket part and the plunger having an outer face which is formed with a locating recess for the end of the plug part, spring means in the socket part urging the plunger outwardly of the socket and means limiting the outward movement of the plunger with its outer face flush with the outer face of the socket part and closing the receiving contour thereof.

2,567,070
SOUND ABSORBING FIBROUS MATERIAL FOR COVERING THE WALLS OR CEILINGS OF ROOMS
Jacob Johansen Hjärtsäter, Nygard Station, near Gjovik, Norway
Application March 22, 1948, Serial No. 16,156
In Norway December 28, 1945
8 Claims. (Cl. 181—30)



1. A board of sound absorbing fibrous material having appreciable thickness for covering the wall and/or the ceiling area of a room or enclosure to deaden the sound therein including a grooved exposed face having a series of continuous parallel grooves therein in closely spaced relation, each of the grooves comprising a plurality of alternating deep and shallow portions throughout the length of the board with the shallow portions being substantially equally spaced from one another.

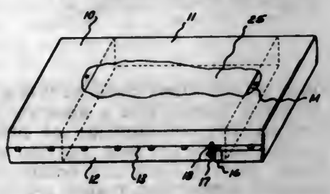
2,567,071
BALANCED VALVE DIAPHRAGM ASSEMBLY
Harland E. Jacobus, University Heights, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 19, 1944, Serial No. 559,375
4 Claims. (Cl. 137—53)

2. In an aircraft fuel pump relief valve assembly including a pair of mating casings and a cup member having a side wall slidable on one of the casings, a resilient rubber material diaphragm having its outer periphery clamped between the casings and having a tubular portion with a beaded end snugly embracing the side wall portions of the cup, a sealing ring surrounding said tubular portion in abutting relation to said beaded end, said ring having an outwardly bulged circumferential portion, the cup being expanded to deflect a part of its intermedial surface



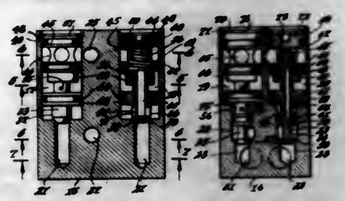
into the ring bulge to lock the diaphragm between the ring and the cup, said ring being cooperable with said cup anywhere along the length of the side wall of the cup.

2,567,072
BEDDING
Leah A. Kay, Amarillo, Tex.
Application November 5, 1947, Serial No. 784,187
17 Claims. (Cl. 5—354)



1. An article of bedding including, an envelope formed of a pair of substantially rectangular sheet panels joined together along their longitudinal marginal edges and at one end margin and having their other end unjoined to provide an opening whereby the envelope may be slipped onto a mattress or the like, the size of the envelope being such that it fits snugly on said mattress with the open end of the envelope projecting beyond the end of the mattress whereby said open end portion of the envelope may be folded back along one sheet panel, and releasable means for securing said open end portion of the envelope in such folded position.

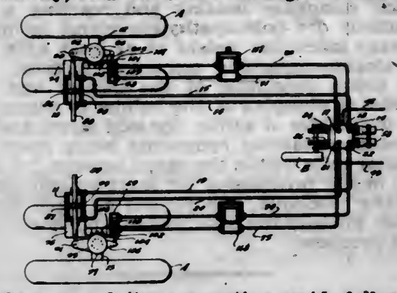
2,567,073
HYDRAULIC VALVE
Harry P. Kupiec, Fair Lawn, N. J., assignor to Air Associates, Incorporated, Teterboro, N. J., a corporation of New Jersey
Application May 25, 1946, Serial No. 672,297
3 Claims. (Cl. 121—46.5)



1. In a valve, a valve body having two pairs of valve chambers, the valve chambers of one pair being of similar formation and each including a large outer portion and an inner portion of reduced size in cross-section and providing a valve seat at the upper end of said inner portion forming a valve outlet port, the valve chambers of the other pair being of similar formation and each including a large outer portion, an intermediate portion of reduced size in cross-section and an inner portion of still further reduced size in cross-section and forming a valve seat at the upper end of said inner portion providing a valve return port, valve elements having flanges slidably fitting the large portions respectively of the first mentioned pair of valve chambers and having reduced end portions respectively adapted to engage the seats of said first mentioned pair of valve chambers and said flanges having apertures for the passage of fluid for exerting pressure against opposite sides thereof, valve elements having flanges slidably fitting the large portions respectively of the second mentioned pair of valve chambers and having reduced end portions respectively adapted to engage the seats of said second mentioned pair of valve chambers and said flanges having apertures for the passage of fluid for exerting pressure against opposite sides thereof, and said last mentioned valve elements also having flanges slidably fitting said intermediate portions of the second mentioned pair of valve chambers, means resiliently urging said valve elements towards closed relation on said seats, said valve body having two service ports, one of said service ports being in communication with the reduced inner end portion of one chamber of each of said pairs of chambers and the other service port being in communication with the reduced inner end portion of the other chamber of each pair and said valve body having a fluid inlet port communicating with said large outer portions of said chambers on one side of the flanges slidably fitting said large outer portions thereof, a fluid outlet port in communication with said intermediate portions of the second mentioned pair of valve chambers and in communication with the service ports through said return ports respectively, a bleed port in communication with the large outer portion of one of the valve chambers of each pair and another bleed port in communication with the large outer portion of the other valve chamber of each pair at the opposite side of the flanges from said fluid inlet port for bleeding the fluid to thereby reduce the pressure on said flanges whereby the fluid pressure from the inlet port functions to move the valve elements to open relation so as to permit the flow of fluid through one of said valve ports and through one of the return ports when the fluid bleed port communicating therewith is open and through the other valve port and the other return port when the other bleed port is open.

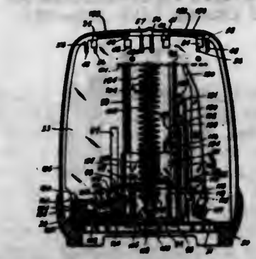
2,567,074
DIFFERENTIAL HYDRAULIC STEERING SYSTEM
Harry P. Kupiec, Paramus, N. J., assignor to Air Associates, Incorporated, Teterboro, N. J., a corporation of New Jersey
Application August 19, 1948, Serial No. 45,064
7 Claims. (Cl. 180—79.2)

6. In a hydraulic system for turning the guiding wheels of an aircraft to turn the aircraft when travelling on land, pressure responsive devices operatively connected with the horizontal axles of the guiding wheels for turning the axles about vertical axes respectively, a valve having two chambers, conduits connecting said valve with the opposite ends of said pressure responsive devices for permitting of the flow of hydraulic fluid to and from said devices, two plungers mounted for reciprocatory movement in said valve chambers respectively, a steering member for said aircraft, cam followers pivotally connected with said plungers respectively, cams operatively connected with the steering member and each of said cams having dissimilar cam faces on opposite sides thereof with the cam faces of one of said cams being reversely arranged with reference to the cam faces of the other cam, said cam faces engaging said cam followers for imparting greater linear movement to one of said plungers than the other to impart a greater turning movement to one of said axles than the other, follow-up pressure responsive devices operatively connected with the horizontal axles of the wheels for actuation of said devices by the movement of the axles respectively, said valve also having two auxiliary



chambers, conduits connecting said follow-up pressure responsive devices with said valve to provide closed hydraulic fluid circuits in which hydraulic fluid is caused to flow by the actuation of said follow-up pressure responsive devices, and two follow-up pistons mounted for movement in said auxiliary chambers respectively and pivotally connected with said cam followers respectively so as to move said plungers to shut off the flow of hydraulic fluid through said valve to said pressure responsive devices to discontinue the turning of the axles.

2,567,075
ELECTRIC TOASTER
Caryl A. Lindberg, Glendale, Mo., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application October 1, 1945, Serial No. 619,639
9 Claims. (Cl. 99—328)



1. In a timing mechanism for a toaster which includes a toast rack mounted for movement between an operative position and a released position, and trip means releasably maintaining the toast rack in the operative position, an actuator reciprocably movable between first and second positions, the actuator actuating the trip means when in the first position so as to release the toast rack from the operative position, a motor, a member driven by the motor to move the actuator from second to first position, said member being mounted for movement relative to the actuator without engaging it, but engageable with the actuator when the latter is in second position to move it to first position, means to adjustably limit the initial position of the member relative to the actuator, and means to control the start of the motor.

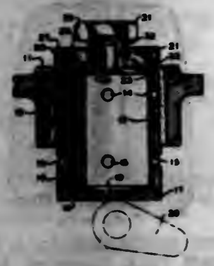
2,567,076
PRODUCTION OF POLYOXYETHYLENE GLYCOL SUPERESTERS
Samuel M. Livengood, Pittsburgh, Pa., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application November 6, 1947, Serial No. 784,517
24 Claims. (Cl. 260—75)

11. Process for producing from polyoxyethylene glycols waxy, water-soluble polymeric esters of greatly increased molecular weight, which comprises heating and reacting a substantially dry polyoxyethylene glycol having an average molecular weight of at least 4,000 with a halogen-containing compound selected from the group consisting of the halides and oxyhalides of phosphorus, the halides of silicon, and the oxyhalides of sulfur, the said glycol and said halogen-containing compound being reacted in a molar ratio within the range between 1:0.5 and 1:2, in the presence of an inert volatile solvent for the reactants, and recovering from the reaction mixture the water-soluble polymeric ester thus produced.

2,567,077
MANUFACTURE OF DOLOMITE BRICKS
Herbert Ernest Moon, London, England
No Drawing. Application April 2, 1949, Serial No. 85,269. In Belgium April 9, 1948
4 Claims. (Cl. 106—61)

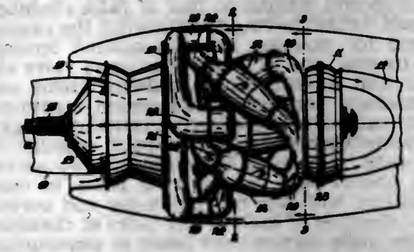
1. A process for the manufacture of dolomite bricks wherein sintered dolomite is mixed with about 10% by weight of an hydration inhibiting mixture of lime, kaolin and felspar and an oil binder and wherein the mixture of sintered dolomite, hydration inhibitor and oil binder is moulded to a desired form and subjected to a single baking operation to produce the brick.

2,567,078
ADJUSTABLE VALVE TAPPET
Claude H. Nickell, New Castle, Ind.
Application April 24, 1946, Serial No. 664,665
2 Claims. (Cl. 123—90)



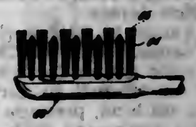
1. A barrel type valve tappet comprising a tubular cylindrical portion having an external groove at substantially its midlength and two sets of ports therethrough, one set located at substantially the mid point between each end and said groove, a pair of disk-shaped end closure members for said cylindrical portion, each having a shouldered seat for the corresponding ends of the tubular portion, one of said members having a flat hardened outer surface for contact with the valve operating cam and the other having a central screw threaded aperture and tool engaging recesses; and an adjusting screw threaded into said aperture, said ports being so disposed that the lower set is inside the engine crankcase to receive lubricating oil and so that the lower portion of said tappet retains lubricating oil therein and the upper set directs lubricating oil from said tappet onto the bearing surfaces of the tappet and tappet guide.

2,567,079
GAS TURBINE POWER PLANT
Frank Morgan Owner and Francis Charles Ivor Marchant, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application June 18, 1946, Serial No. 677,496
In Great Britain June 21, 1945
6 Claims. (Cl. 60—39.37)



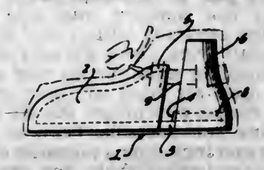
1. A gas-turbine engine comprising a low-pressure centrifugal compressor having an intake for ambient air, a high-pressure centrifugal compressor having an inlet for air from the low-pressure compressor, said compressors lying back to back with said inlets directed in opposite directions, a gas-turbine spaced axially of the compressors, a driving connection between the turbine and the pair of compressors, a generally cylindrical shell structure joining the compressors and turbine and disposed about the common axis of the turbine and compressors, a plurality of combustion chambers spaced circumferentially around said shell disposed along substantially the same axial portion of the length of the shell, a plurality of circumferentially spaced inwardly-directed ducts leading air from the low to the high-pressure compressor and a plurality of ducts intercalated with said first ducts and leading air from the high-pressure compressor one each to a combustion chamber the long axis of which is disposed tangentially to the cylindrical shell and disposed helically thereabout.

2,567,080
TOOTHBRUSH WITH DIVERGENT SWEEP-ACTION TUFT ROWS
George W. Pifer, Findlay, Ohio
Application December 20, 1946, Serial No. 717,568
2 Claims. (Cl. 15—167)



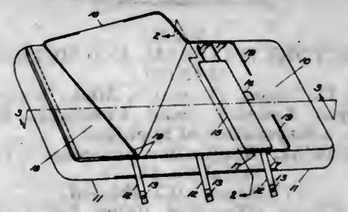
2. A toothbrush comprising a handle, and a bristle-carrying head connected with said handle, the bristles of said head being grouped into tufts and the tufts being disposed in rows so as to consist of a central row and two outside rows, said outside rows extending outwardly from said head in diverging relation and being inclined away from said central row, the tops of the tufts of said outside rows being tapered and pointed and the tops of the tufts of said central row being concave.

2,567,081
BABY BOOTEE STRETCHER
Alva B. Reser, Long Beach, Calif.
Application August 18, 1950, Serial No. 180,171
2 Claims. (Cl. 12—128)



1. A baby bootee stretcher comprising a toe section shaped to fit the toe of a bootee, a heel section shaped to fit the heel of a bootee, a bottom wall projecting from the toe section, a plurality of ribs projecting upwardly from said wall, said heel section having spaced holes in the bottom thereof to receive said ribs and adjustably secure the heel section to said toe section, said ribs and said holes being inclined from the vertical.

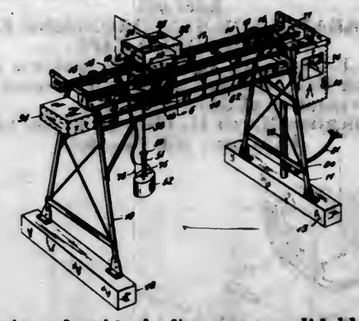
2,567,082
BABY BLANKET COMBINATION
Elinor B. Shuster, Minneapolis, Minn.
Application August 13, 1948, Serial No. 43,997
4 Claims. (Cl. 128—134)



1. In combination, a baby blanket, a mattress cover, a water proof pad and a safety belt; said blanket being detachably secured to said cover with slide type fasteners on each side and extending part way across from each side at the head end thereof; said mattress cover adapted to fit over the top and edges and ends of a mattress and having holding portions to encompass substantially each end of the mattress for releasable anchorage, and being provided with a plurality of straps with snap fasteners, adapted to attach to a spring of a baby crib; said waterproof pad being secured to the under side of said mattress cover and positioned substantially intermediate of the two ends of said cover; said safety belt comprising a band adapted to fit around the chest of a baby, a plurality of tie strips secured at one end and on the outside of said band a substantial distance from the other end of said band, so as it encompasses the baby's chest a portion is provided toward the inside and under the tying of said tie strips, and a narrow tab secured at the ends and flexibly joining said band to the top of said mattress cover substantially medially of the width of said cover, and at a location lengthwise to position a baby within said blanket, said safety belt by reason of said tab and said tie strips allowing freedom of movement but not permitting the baby to turn over.

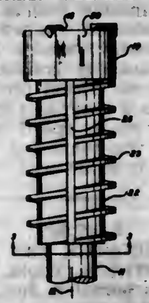
2,567,083
TOY CRANE
Fred H. Stickle, Cleveland Heights, Ohio
Application April 24, 1948, Serial No. 23,031
15 Claims. (Cl. 212—21)

1. In a toy crane, a square shaft and a screw shaft rotatably mounted in parallel relation, a motor, driving connections from said motor comprising clutch means selectively operable by remote control for turning one or the other of said shafts, a car having a non-rotating nut for engagement with said screw shaft to move the car



lengthwise of said shafts, a gear slidably and non-rotatably mounted on said square shaft, said car also having a yoke embracing said gear, whereby the gear travels with the car, a hoist carried by said car, and hoist operating mechanism driven by said gear.

2,567,084
BIT
Stanley Archer Stokes, Pasadena, Calif., assignor, by mesne assignments, to Termite Drills, Inc., Pasadena, Calif., a corporation of California
Application May 23, 1947, Serial No. 749,941
2 Claims. (Cl. 255—69)



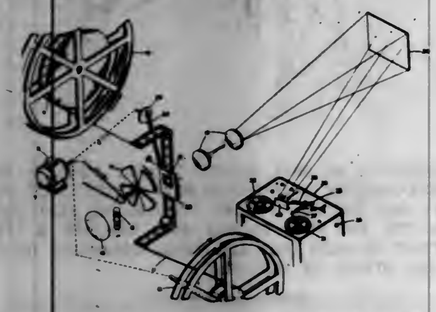
1. In a rotary drill bit, the combination comprising a shank, a head member on an end of the shank and having at least three teeth mounted approximately radially on the face of the head, the head being substantially disk shaped with flat surfaces formed on the curvilinear side thereof adjacent the outer end of each tooth and leading each tooth in the direction of rotation of the shank, a helical thread formed on a substantial length of said shank adjacent the head, and at least one slot in the helical thread parallel to the axis of rotation of the shank.

2,567,085
PRESERVATION OF FOODSTUFFS
Leonard S. Stoloff, New Bedford, Mass., assignor of one-half to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey, and one-half to Krim-Ko Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 6, 1949, Serial No. 109,965
8 Claims. (Cl. 99—150)

1. In a method for extending the storage life of foodstuffs the step which consists of treating

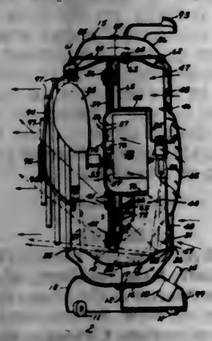
said foodstuff prior to storage with an aqueous solution of a Rhodophyceae extractive and a reductone.

2,567,086
APPARATUS FOR SYNCHRONIZING FILM WITH SOUND TAPE
James F. Stoltz, La Grange, Ill., assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application March 11, 1948, Serial No. 14,316
4 Claims. (Cl. 88—16.2)



1. In combination: a moving picture projector including film and having a light interrupting shutter for interrupting the light from the projector to establish a given flicker frequency for said projector; means for moving said film in synchronism with said shutter; a sound reproducer including a magnetic tape including visible regularly discontinuous indicia the spacing of which bears a selected unitary relation to the said flicker frequency; means for moving said tape at a substantially constant linear speed throughout the time period for transducing the entire record on said tape; and means for adjusting the constant linear speed until the indicia, when viewed in the flickering light from said projector, appear to stand still.

2,567,087
HEATER FAN
Ottis A. Sutton, Wichita, Kans., assignor to The O. A. Sutton Corporation, Inc., Wichita, Kans., a corporation of Kansas
Application November 3, 1949, Serial No. 126,216
7 Claims. (Cl. 219—39)

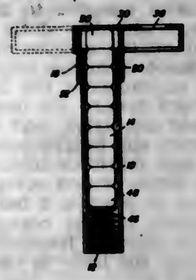


1. A heater fan comprising an annular casing, the end edges of said casing being of lesser diameter than its intermediate portions, an annular reflector ring positioned concentrically within said casing and spaced therefrom to define therewith an annular space, the end edges of said ring being spaced inwardly from and positioned closely adjacent the end edges of said casing whereby one pair of adjacent end edges defines a front, annular slot opening into said space, and the other pair of adjacent edges defines a rear, annular slot opening into said space, a motor mounted centrally within said casing and including a shaft lying along the axis of the casing, an air propeller mounted on said shaft and arranged to draw air from the rear toward the front of said casing and propel the air forwardly from the casing, said propeller being at the front of said casing and including a plurality of radially extending blades having their tips extending to within a short distance radially inward from said front slot, an elongated resistance heating means encircling said motor in spaced relation thereto and to said reflector ring and in the path of air drawn through said casing by said propeller, and a perforated rear wall extending across the rear end of said annular casing, the perforations of said rear wall including a plurality of openings closely adjacent said rear slot, the arrangement thereby providing for the creation of positive pressure in said annular space adjacent said front slot and negative pressure in said annular space adjacent said rear slot whereby air is induced to flow rearwardly through said annular space when said propeller is in operation.

2,567,088
REFRACTORY MATERIAL AND METHOD OF MAKING
Chester C. Teasel, Plymouth, Mich., assignor to National Foundry Sand Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application November 3, 1948. Serial No. 58,159
14 Claims. (Cl. 106—57)

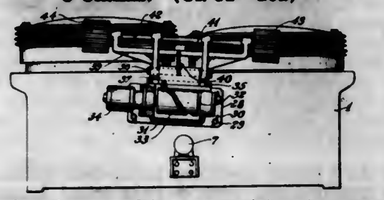
1. A plastic refractory lining for a furnace comprising, in approximately the following proportions by weight, zircon sand 10%, ground zircon 66⅔%, crushed silica rock 20%, 1⅔% of a selected binder from the group consisting of plastic fire clay, ball clay, and kaolin, and bentonite 1⅔%, together with sodium silicate and water in an amount according to the fluidity desired.

2,567,089
DISPENSER
Thomas P. Walsh, Garrett, Ind.
Application September 1, 1949, Serial No. 113,611
1 Claim. (Cl. 206—42)



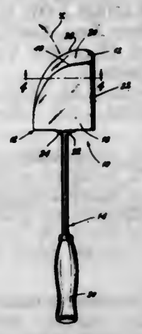
A tablet dispenser comprising an elongated tablet-retaining tube closed at its bottom end and open at its top end, a tubular cap removably retained on the open end of said tube and including a peripheral groove intermediate its ends, a substantially rectangular dispensing cap slidable laterally on said tubular cap, resilient means normally urging tablets towards said dispensing cap, said dispensing cap including top, bottom, side and end walls, said top wall including a tablet dispensing port adjacent one end wall, said bottom wall including an elongated seat terminating in an enlarged tablet receiving port adjacent the other end wall, said slot dividing said bottom wall into longitudinal opposed portions engaging said peripheral groove in said tubular cap, said longitudinal opposed portions adapted to extend inwardly of said tubular cap and restrict the top open end of said tube.

2,567,090
FINISHING MACHINE
Homer C. Warner, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application May 27, 1949, Serial No. 95,862
8 Claims. (Cl. 51—101)



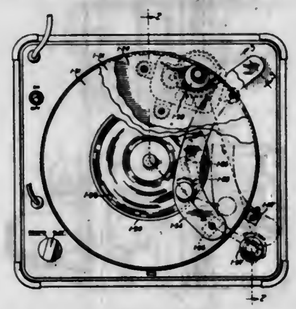
3. A lapping machine comprising two parallel spindles, a lap carried by one of said spindles including a helical land, a worm carried by the other spindle and including a helical land, positive driving connections between the spindles causing the lap and worm to rotate in predetermined relation, a work spindle, a toothed element fixed to the work spindle with its teeth engaging the land of the worm, means reciprocably supporting the work spindle, work holding means carried by the work spindle, and driving means reciprocating said work spindle.

2,567,091
CULINARY UTENSIL
Ronald L. Whitnah and Eugene H. McKeehan, St. Louis, Mo.
Application October 3, 1947, Serial No. 777,670
4 Claims. (Cl. 294—7)



1. A culinary utensil comprising in combination: a U-shaped turner member including a horizontally disposed top wall, a similarly disposed bottom wall and a semi-circular connecting wall, the forward edge of said bottom wall being considerably in advance of the forward edge of said top wall, an integral downwardly bent extension or ear on said top wall, an integral upwardly bent extension or ear on said bottom wall, an angularly upwardly extending handle member terminating at one end in a vertically disposed portion, and means whereby the latter is permanently attached to said ears.

2,567,092
MAGNETIC RECORDER-REPRODUCER DEVICE OF THE DISK TYPE
Alfred L. W. Williams, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application June 7, 1947, Serial No. 753,159
9 Claims. (Cl. 179—100.2)

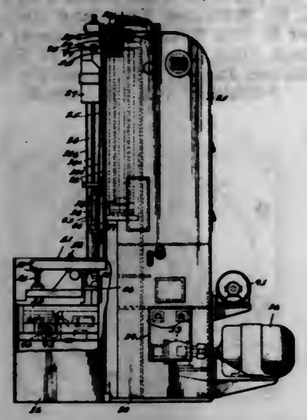


1. A magnetic record transducing device for use with a disk-shaped magnetizable record member comprising in combination: a base; a turntable mounted on said base for receiving and supporting said record member; a guide disk having a diameter substantially smaller than the diameter of said record member centrally mounted on top of said record member and said turntable for holding said record member on said turntable, said guide disk having a spiral guide groove on its top surface; means in engagement with said turntable for rotating it, said record member, and said guide disk; an arm; mounting means connecting one end of said arm to said base adjacent said turntable for pivoting, turning and twisting motion of said arm with respect to said base; a guide stylus connected to said arm near its outer end for engagement with the guide groove to cause said arm to turn about said mounting means as said turntable and said guide disk rotate; and a magnetic transducer head mounted on the underneath side of said arm near its outer end at a point spaced from said guide stylus and offset from the line between said mounting means and said guide stylus so that said transducer head is in engagement with said record member when said guide stylus is in engagement with the groove on said guide disk and forming with said mounting means and said guide stylus a stable three-point supporting system for said arm which causes both said guide stylus and said transducer head to stay in contact with said guide disk and said record member, respectively, irrespective of up and down motions of said guide disk and said record member.

2,567,093
BROACHING MACHINE
Leon C. Agan, Dexter, Mich., assignor to American Broach & Machine Co., a corporation of Michigan
Application September 12, 1949, Serial No. 115,303
19 Claims. (Cl. 90—33)

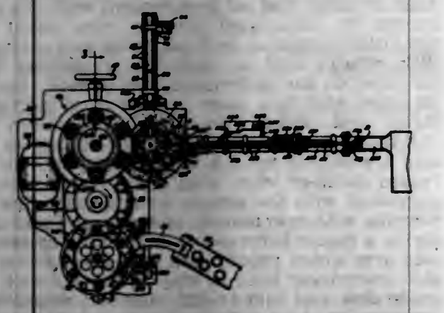
5. A broaching machine comprising, in combination, a reciprocable broach-carrying ram having a tool carrying body rotatably mounted thereon, a work supporting table, means for re-

ciprocating said ram through a cycle including a broaching stroke and a return stroke, means operable during said return stroke to index said body relative to said ram through an arc of predetermined length so that a curved surface of greater width than the tool may be broached, said indexing means including a cam mounted



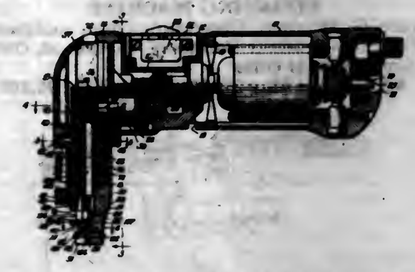
on said machine for movement from an operative to an inoperative position and a ratchet mechanism mounted on said body and having a plunger adapted to engage said cam on a return stroke when the cam is in operative position, and means for moving said cam to its inoperative position out of the path of movement of said plunger during a broaching stroke.

2,567,094
MACHINE FOR ASSEMBLING CAPS AND LINERS
John Belada, Glassboro, N. J., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application February 16, 1946, Serial No. 648,053
3 Claims. (Cl. 113—80)



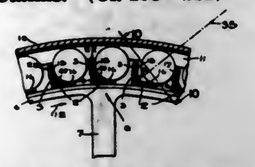
3. Apparatus for assembling caps and liner rings, comprising a funnel having its inner wall downwardly tapered, a support on which the funnel is mounted, a cap-supporting pad mounted beneath the funnel, a plunger mounted over the funnel for vertical reciprocation, said plunger when in its upper position being spaced above the funnel to permit a liner ring to be advanced horizontally to a position between the said plunger and funnel and released to the funnel, means for lifting the pad and simultaneously moving the plunger downward through the funnel and thereby assembling the liner ring and a cap supported on the pad, the walls of said funnel being formed with vertical guideways, said plunger having radial ribs extending into and movable up and down the said guideways, and a crimping die yieldably connected to the plunger for up-and-down movement therewith, said die comprising means for crimping the cap flange and causing it to grip the said liner ring.

2,567,095
PORTABLE TOOL
Allen Benjamin, Chicago, Ill., assignor to Skilsaw, Inc., Chicago, Ill., a corporation of Delaware
Application September 19, 1945, Serial No. 617,191
5 Claims. (Cl. 30—241)



1. In a motor operated hand-held cutting tool, the combination with a cylindrical housing, of a reciprocable cylindrical member mounted in said housing, a punch member carried by said cylindrical member, operative connections between said motor and said cylindrical member, means for preventing rotation of said cylindrical member during the reciprocation thereof, a die member for cooperation with said punch, a stripper member slidably mounted in a vertical bore formed in the lower end of the housing to permit vertical adjustment of said stripper member, adjustable means extending transversely into said bore for engaging and holding said stripper against inward movement after adjustment, and means carried by the lower end of said stripper for adjustment toward and away from the lower end of said punch for maintaining the punch in proper alignment with said die member.

2,567,096
PROTECTIVE LINER FOR CAN IMPELLERS
Karl L. Berrar, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application November 12, 1946, Serial No. 709,255
8 Claims. (Cl. 198—211)

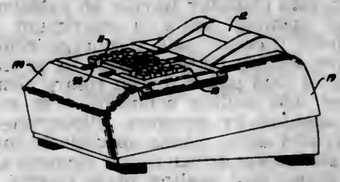


1. A lining for angularly disposed can engaging surfaces of a can impeller comprising a single sheet of non-corrosive wear resistant material bent to dispose contiguous portions thereof in angular relation with respect to each other so that the angle between them is slightly greater than the angle between said can engaging surfaces whereby the extremities of said contiguous portions engage the can engaging surfaces, said sheet having an opening therein in axial alignment with a line bisecting the angle between said contiguous portions, and a securing member having a shank extending through said opening for attachment to said can impeller and provided with a head for urging said lining toward said impeller.

2,567,097
MULTIPLE IMPREGNATION OF PAPER-MAKER'S FELT
Orion William Berglund, Dayton, Ohio, assignor to The Orr Felt & Blanket Company, Piqua, Ohio, a corporation of Ohio
No Drawing. Application December 23, 1946, Serial No. 718,116
5 Claims. (Cl. 117—76)

1. A method of treating felts for paper making machines which comprises loading a dimensionally stable woven wool base with an aqueous solution of resin selected from the group consisting of urea-formaldehyde and phenol-formaldehyde resins, removing excess resin, curing said resin, loading the resin coated wool base with an aqueous emulsion of a synthetic rubber, removing the excess emulsion whereby the total pickup of coating solids is limited to between about 10 and 25%, said rubber being selected from the group consisting of acrylonitrile-butadiene copolymer, styrene-butadiene copolymer, and polychloroprene, and curing said deposited synthetic rubber impregnation.

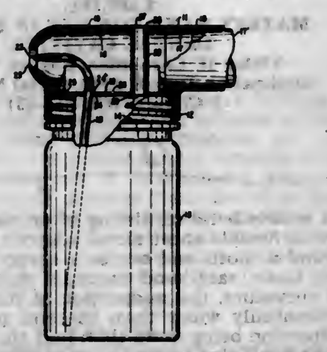
2,567,098
CARRYING MEANS FOR OFFICE MACHINE
Robert E. Boyden, Los Angeles, Calif., assignor to Clary Multiplier Corporation, San Gabriel, Calif., a corporation of California
Application October 4, 1949, Serial No. 119,517
7 Claims. (Cl. 235—1)



1. In an office machine, the combination of a machine chassis, a housing for said chassis, said housing extending over the top and sides of said chassis, means mounting said housing on said chassis, a pair of U-shaped carrying handles, and means at the top of said chassis pivotally carrying said handles adjacent their free ends and with said free ends spaced apart from each other, said handles extending through openings in said housing, said housing having wells in the top thereof communicating with said openings to normally receive said handles, and said handles being pivotal from retracted positions wherein they extend outwardly substantially in the plane of the upper surface of said housing to carrying positions wherein they extend upwardly from said housing.

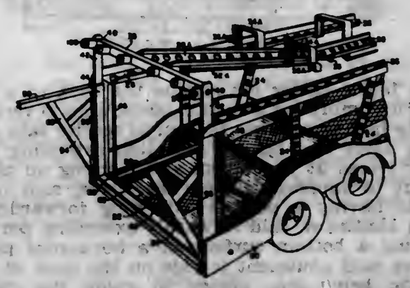
2,567,099
SPRAYING DEVICE
John W. Buss, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 2, 1948, Serial No. 259
3 Claims. (Cl. 299—89)

2. A spray head comprising an integrally molded plastic body and a permanently assembled accessory for detachable assembly to said body; said body including a downwardly extending annular collar for detachably receiving the open top of a liquid receiving container and having a downwardly facing shoulder interiorly thereof and a horizontally extending tube interiorly connected with the interior of said collar, said tube including an open ended rearward extension for detachably receiving the end of the tube connected to a source of air under pressure and a forward extension having a restricted central opening, said tube being provided with an opening in its upper wall above said collar; said accessory comprising a metallic plate lying within



said collar against said shoulder, a vertically rising liquid tube passing through said plate and welded thereto and having a nozzle extending forwardly into the restricted opening in the forward extension of said body and a vertical air control tube having its lower end permanently secured to said plate and its open upper end extending upwardly into the opening in the upper wall of the horizontally extending tube of said body; said accessory being provided with a vent opening connecting the interior of the horizontally extending tube and collar of said body.

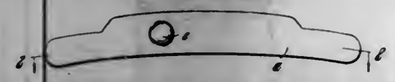
2,567,100
TRAILER FOR TRANSPORTING VEHICLES
Clinton C. Carey, Springfield, Ohio, assignor to Kenosha Auto Transport Co., Springfield, Ohio, a corporation of Ohio
Application October 15, 1949, Serial No. 121,554
3 Claims. (Cl. 296—1)



2. In a trailer for transporting vehicles; a floor plate defining a lower deck, framing extending upwardly from the sides and front of said lower deck and including hollow columns at the rear corners of the trailer, an upper deck comprising outer tracks supported on the upper part of said framing, a center track on the upper deck supported on said outer tracks and hinged between its ends to permit raising of the rear end thereof, a transversely extending member connected to the rear end of said center track, ver-

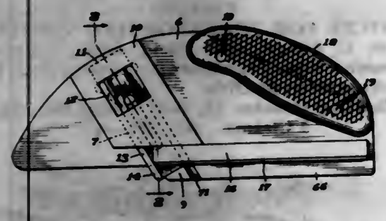
tically extending bars pivotally connected with the ends of said member and extending downwardly into said hollow columns, pulley means journaled in the upper ends of said columns, cables secured to the lower ends of said bars passing upwardly over said pulley means and then downwardly through said lower deck, and crank operated means mounted beneath said lower deck for reeling in said cables to raise the rear part of said center track.

2,567,101
MATRIX BAND FOR USE IN FILLING DENTAL CAVITIES
Victor H. Carpenter, Boston, Mass.
Application June 8, 1949, Serial No. 97,852
1 Claim. (Cl. 32—63)



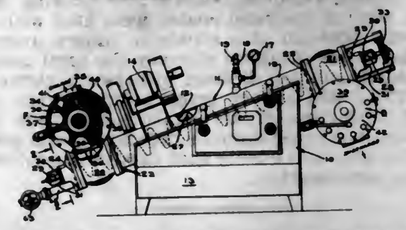
A matrix band consisting of an elongated strip of thin flexible sheet metal adapted to be passed around a tooth and across a cavity in a side of such tooth, said band having a slight longitudinal curvature, the midportion of the band being substantially wider than the end portions, said midportion being more than half the total length of the band, and a depression of generally spherical curvature in said midportion spaced from the edges thereof and so located that it may be placed in register with a cavity in the side of a tooth when the the band is drawn completely around the tooth.

2,567,102
FABRIC CUTTER
Jerome E. Cook, Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co., Inc., Thompsonville, Conn., a corporation of Massachusetts
Application April 1, 1948, Serial No. 18,360
1 Claim. (Cl. 30—294)



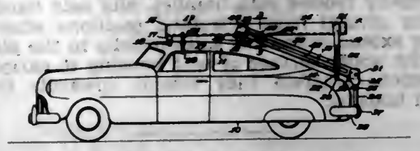
A fabric cutter for cutting the back of a pile fabric comprising a cutting blade, a main vertical plate having a recess therein to receive said cutting blade and having a portion extending into said recess at its bottom and forming an abutment to support said cutting blade, said main plate having a portion extending forwardly of said abutment, said forwardly extending portion having a bottom surface in a horizontal plane above said abutment to ride on the back of the fabric being cut, means to guide the cutter vertically consisting of a horizontal plate secured to and extending laterally from the lower portion of said main plate and extending rearwardly from said recess, the bottom surface of said horizontal plate being in the same horizontal plane as the bottom surface of the forwardly extending portion of said main plate, means to guide the cutter horizontally consisting of a portion of said main plate extending rearwardly of said abutment and having its lower edge below the bottom of the forwardly extending portion of said main plate, and a second vertical plate attached to said main plate and partially covering the recess in said plate, a portion of said second vertical plate extending forwardly of said recess wholly above the bottom surface of the forwardly extending portion of the main plate, whereby the portions of the horizontal plate and the main plate to the rear of the recess guide the cutter both vertically and laterally.

2,567,103
SLUDGE AND CONDENSATE DISCHARGE FOR STEAM PEELERS
William de Back, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application January 6, 1949, Serial No. 69,434
9 Claims. (Cl. 146—47)



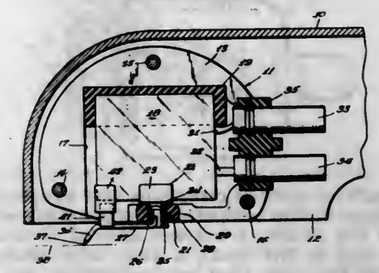
1. A sludge and condensate discharge for a steam peeler having an axially inclined cylindrical steam pressure chamber with a power driven rotary element mounted therein, power drive means operatively connected to rotate said rotary element, and means for introducing products into and removing them from said steam chamber, said chamber having an exteriorly discharging opening below a maximum desired sludge level therein; said discharge comprising a rotative sealing plate adapted to be mounted coaxially of said power driven rotary element to be forced into sealing condition over said discharge opening by pressure within the steam chamber, and drive means operatively interconnecting said power driven rotary element and said sealing plate, said sealing plate having a hole therein at a radial distance from the rotative axis of the sealing plate to open into said discharging opening upon each complete rotation of the sealing plate.

2,567,104
AUTOMOBILE LUGGAGE CARRIER AND TABLE
Antonio Di Fonzo, Chicago, Ill.
Application December 29, 1949, Serial No. 135,760
5 Claims. (Cl. 224—42.01)



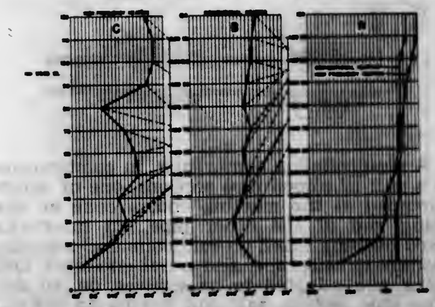
1. In a luggage carrier adapted to be supported on the roof of a vehicle, a luggage carrying receptacle having supporting elements one end thereof adapted to movably support the said receptacle on the top and rear deck surfaces of said vehicle, a support for the other end of said receptacle having a vacuum gripping device at the lower end thereof for engagement with the rear deck surface of said vehicle, a pair of spaced receptacle supporting arms extending on each side of said receptacle and pivotally connected to the rear of said vehicle, said spaced arms providing an inclined trackway, and roller means carried by the said receptacle and movably supported on said spaced arms.

2,567,105
CRYSTAL PICKUP
Robert H. Dreisbach, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application March 11, 1949, Serial No. 80,909
7 Claims. (Cl. 179—100.41)



2. In a phonograph pickup, in combination, a crystal, a stylus, a primary driving connection from the stylus to the crystal of relatively rigid material, and a secondary driving connection from the stylus to the crystal of damping material yieldable relative to that of said primary driving connection.

2,567,106
METHOD OF TREATING OILS
John R. Fisher, Jr., Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application September 6, 1946, Serial No. 695,211
4 Claims. (Cl. 260—407)



1. In a method of treating fatty vegetable drying oils, the step of exposing the oil to a high-frequency electric field of substantially 9 megacycles and 0.7 ampere for two hours.

2,567,107
AUTOMATIC CUTTING DEPTH REGULATOR FOR PLOWS
Olivier Gobeil, Chicoutimi, Quebec, Canada
Application July 8, 1947, Serial No. 759,527
In Canada July 8, 1946
2 Claims. (Cl. 97—50)

1. As an attachment to a vehicle and to a ground working implement movably connected thereto and power operated thereby, said vehicle having a control lever for controlling the vertical displacement of said implement, a control for the automatic regulation of the working depth of said implement comprising an elongated frame member adjustably secured to said implement, being movable in the longitudinal vertical plane of the latter, a ground-engaging lever hinged to said frame member, an auxiliary lever mounted on the axis of said control lever, clampable to the latter in adjusted angular relation and movable therewith, a pair of hydraulically-



coupled cylinder and piston systems forming a transmitter and a receiver, the cylinder of said transmitter being pivotally mounted on said frame member, the piston in said cylinder being adjustably connected to said ground engaging lever at a variable distance from the hinge connection of the latter to said frame member, the cylinder of said receiver being mounted on said vehicle and the piston in said latter cylinder being connected to said auxiliary lever.

2,567,108
UNSUBSTITUTED ETHYLENE POLYMER COATING COMPOSITIONS
Seymore Hochberg, Upper Darby, Pa., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 8, 1949, Serial No. 103,737
5 Claims. (Cl. 260—29.6)

1. A coating composition comprising 1–90% of chromic acid and 10–99% of a homopolymer of unsubstituted ethylene based on the combined chromic acid and homopolymer content.

2,567,109
INITIATOR SYSTEMS COMPRISING A TITANOUS COMPOUND AND NITROGEN COMPOUNDS SUCH AS OXIMES
Edward G. Howard, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 15, 1950, Serial No. 174,130
13 Claims. (Cl. 260—80)

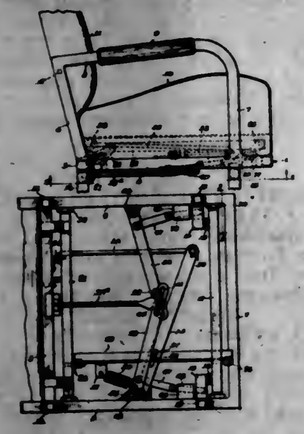
3. In the addition polymerization of ethylenically unsaturated monomers subject to addition polymerization, the improvement wherein said monomer is polymerized by bringing the same in contact with an aqueous dispersion containing titanous ion and a hydroxylamino compound of the class consisting of hydroxylamine, salts thereof, oximes, hydroxamic acids, and hydroxylaminesulfonic acids and salts thereof.

2,567,110
ORGANOPOLYSILOXANES PREPARED BY THE REACTION OF SALTS OF SILANOLS WITH HALOSILANES
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 12, 1947, Serial No. 760,710
8 Claims. (Cl. 260—448.2)

1. The method of preparing organosiloxane materials which comprises reacting an alkali

metal salt of an organo silanol, in which the organic radicals are monovalent hydrocarbon radicals free of aliphatic unsaturation and are linked to the silicon by carbon to silicon bonds, with a silicon halide in which any organic radicals present therein are monovalent hydrocarbon radicals free of aliphatic unsaturation and are linked to the silicon by carbon to silicon bonds, whereby a siloxane is produced in which the silicon of the silanol is linked to the silicon of the silicon halide through an oxygen atom.

2,567,111
FOLDING ARMCHAIR
Ralph L. Jensen, Chicago, Ill., assignor to The Warwal Corporation, Chicago, Ill., a corporation of Illinois
Application April 14, 1948, Serial No. 20,960
10 Claims. (Cl. 155—148)

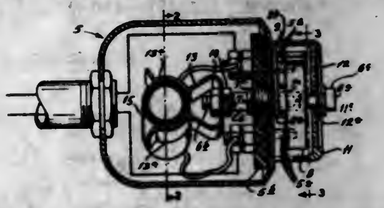


1. A folding chair of the class described comprising a seat frame, a back member pivotally mounted on said frame and movable to substantially upright position and to collapsed position, releasable back locking means to lock said back member in upright position, supporting legs pivotally mounted on said frame and movable to collapsed position, leg locking means for releasably locking said legs in supporting position, and common means operable to release said leg and back locking means.

6. A folding leg structure for an article of furniture having a main frame, comprising a pair of spaced bars rotatably mounted on the main frame and respectively carrying a pair of front legs and a pair of rear legs, a link connecting said rotatably mounted bars, and means to move said link longitudinally of said frame to rotate said bars and the legs connected thereto between extended and collapsed positions on the frame.

2,567,112
AUTOMATIC ELECTRICAL CONTROL FOR FURNACES AND FIRE ALARMS
William Kagan, St. Louis, Mo.
Application January 13, 1950, Serial No. 138,327
2 Claims. (Cl. 200—138)

1. An automatic electrical control and alarm for a furnace for opening a circuit to the furnace burner and closing a circuit to an alarm responsive to an increase in the ambient temperature about the furnace, comprising in combination, a housing adapted to be supported adjacent the furnace and having apertures to admit air from about the furnace, an insulating plate mounted in the housing, a hub mounted through and extending at its opposite ends to opposite sides of the plate, a shaft journaled in said hub, a spiral bi-metallic thermostat ribbon coiled around one end of the shaft and located adjacent the apertures in the housing, means securing the inner end of the ribbon to the shaft, a temperature setting finger frictionally mounted on the hub and having a pin, the outer end of the ribbon being attached to said pin whereby uncoiling and recoiling of the ribbon will turn



the shaft in opposite directions and whereby adjustments of the temperature setting finger will adjust the ribbon, a bracket secured to the opposite end of the shaft, a glass tube affixed in said bracket, said tube being closed at its ends and partitioned intermediate said ends dividing the tube into separate and insulated mercury cells, a quantity of mercury in each cell, and contacts entering the opposite ends of the tube for selective bridging by the mercury in said cells to control the burner and alarm circuits responsive to the tilting of the tube incident to opposite rotational movements of the shaft.

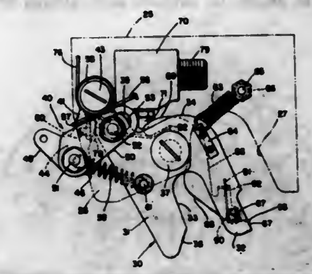
2,567,113
PIPE COUPLING
Einer Kristensen, Detroit, Mich.
Application May 28, 1949, Serial No. 96,111
11 Claims. (Cl. 285—126)



1. A pipe coupling comprising, in combination with a pair of alined pipe sections, one of which is threaded at the meeting end, a cone on the meeting end of the other pipe, an internally tapered bushing fitted on said cone and tapering oppositely to said cone, and a nut enclosing said bushing and adapted to be screwed on an adjoining pipe section, said nut having an inward flange engaging the thicker end of said bushing, and mutually engaging radially extending means on said cone and the pipe end enclosed thereby and abutting each other on movement of said cone toward the threaded pipe end, whereby to draw said pipe ends into sealing engagement on tightening said nut.

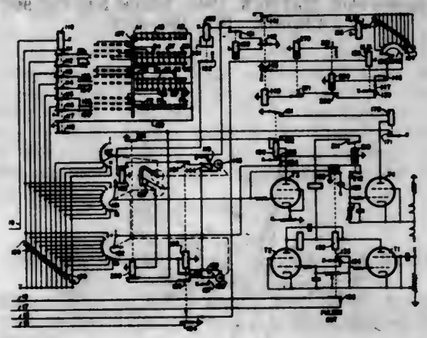
2,567,114
LATCH MECHANISM
Clarence E. Linn, Newark, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 7, 1945, Serial No. 592,368
9 Claims. (Cl. 244—102)

9. A mechanism for latching a relatively movable element to a support, said mechanism comprising: a catch movable relative to said support and to said element into latching relation with said element, a first member mounted for movement from an idle position to an operative position upon movement of the catch to latching position, said first member being arranged when in said operative position to hold the catch against



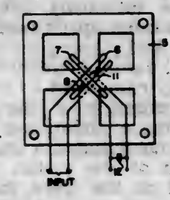
releasing movement, and a second movable member arranged to extend into the path of movement of said first member into its operative position when said element is not engaged by the catch, said second member being displaced from said path by said element when the latter is engaged by the catch.

2,567,115
ELECTRONIC DIRECTOR
Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 20, 1949, Serial No. 111,520
23 Claims. (Cl. 179—18)



10. In a telephone system employing register senders including an office code selecting switch and a single-digit register switch and sending mechanism for successively transmitting digit impulse series, means in said register sender for operating said office code selecting switch to a particular position corresponding to the office digits in the office portion of a complete dialled telephone number, means in said register sender for operating and restoring said single-digit register for each digit dialled in the remaining portion of said complete telephone number, means including code wiring connections connected to said office code selecting switch for registering and translating said dialled office digits in accordance with said operated position of said office code selecting switch into coded office digits, means for successively registering each digit dialled in said remaining portion of said complete telephone number in response to each operation of said single-digit register switch, means for storing said coded office digits and for storing said successively registered digits, a sending mechanism in said register sender, means in said register sender for successively connecting said sending mechanism to successive ones of said stored coded office digits and thereafter to successive ones of said stored register digits, means for operating said sending mechanism, and an impulsing relay operated by said sending mechanism in accordance with said successive connections to transmit impulses corresponding to said stored office digits and said stored registered digits.

2,567,116
MAGNETIC FREQUENCY CHANGER HAVING PARTIAL GAPS
Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 19, 1950, Serial No. 163,043
4 Claims. (Cl. 321—68)

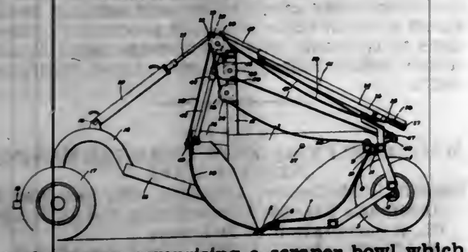


3. In a frenquency changer, a magnetic core structure having two intersecting members to form opposite diagonal corners, a primary winding wound through a pair of opposite diagonal corners of the intersection, a source of current connected to said primary winding for providing an input signal, a secondary winding tuned to a desired harmonic and wound around said magnetic core so as to be at right angles to said primary winding, an output circuit connected to said secondary winding, and said magnetic core having partial gaps extending from a pair of opposite diagonal corners to provide a flux differential in said magnetic core whereby an alternating current is induced in said secondary winding having a frequency which is integrally related to the frequency of said source to be delivered to said output circuit.

2,567,117
PROCESS FOR PRODUCING POLYCHLOROPRENE
Walter E. Mochel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1948, Serial No. 40,612
3 Claims. (Cl. 260—92.3)

1. In the process of polymerizing chloroprene in an alkaline emulsion system having a pH ranging from 9 to 12 and a chloroprene concentration in the emulsion of from 30% to 65% of the weight of the total emulsion, the steps which comprise carrying out the polymerization in the presence of a polymerization regulator of the group consisting of alkyl thiols containing from 8 to 18 carbon atoms, dialkyl dithiobis(thionoformates), iodoform, sulfur and sulfur dioxide and a chloroprene polymerization catalyst to the point where the polymer has the maximum number average molecular weight obtainable in the system employed and which is within the range of from 125,000 to 400,000, and arresting the polymerization when this point is reached.

2,567,118
APRON AND EJECTOR CONTROL FOR CARRY-TYPE SCRAPERS
Donald E. Murray, Modesto, Calif.
Application May 28, 1946, Serial No. 672,823
4 Claims. (Cl. 37—126)



1. A scraper comprising a scraper bowl which includes a rear frame and a front frame and side plates connecting the frames, a load ejecting member movable forwardly between the side plates, a load retaining apron positioned in front of the side plates and pivoted for swinging movement in a vertical plane, a hydraulic cylinder and piston unit rigidly connected to said frames and extending longitudinally of the scraper bowl, such unit including a piston rod projecting beyond one end of the cylinder, a sheave journalled in the outer end of the piston rod, a pair of sheaves mounted on the front frame in spaced relation to each other, a third sheave journalled on said front frame in a plane below said pair of sheaves, a cable fixed to the apron and extending over one of said pair of sheaves thence around the sheave on the piston rod, hence over the other of said pair of sheaves thence under said third sheave, and means connecting the cable with the ejecting member.

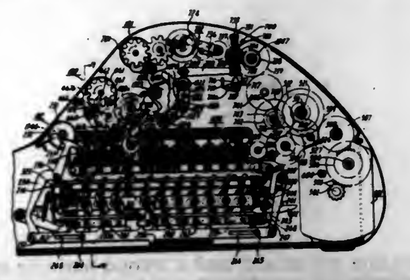
2,567,119
HEADDRESS ORNAMENT
George P. Naider, Claremont, Calif.
Application January 7, 1948, Serial No. 941
4 Claims. (Cl. 41—10)



1. A head-dress ornament comprising an elongated strip of stiff but bendable sheet material, said strip having a permanent longitudinal crease and being doubled upon itself along said crease to form superposed sections which press against each other when the strip is bent into an arched condition, and an element of fur as long as but wider than the upper section, said element having its major part overlying and secured to the upper one of said sections and having a marginal part extending around said crease and secured to the lower one of said sections.

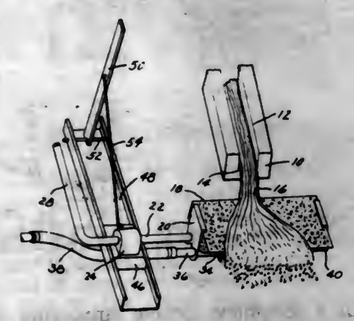
2,567,120
VALUE INDEXING MECHANISM
George V. Nolde, Berkeley, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application March 1, 1948, Serial No. 12,232
16 Claims. (Cl. 235—79)

1. In a calculating machine having a register including a plurality of ordinal numeral wheels, a plurality of ordinal actuators differentially adjustable and effective upon operation thereof to actuate said numeral wheels, an ordinally shiftable carriage including ordinally arranged devices for receiving and representing the digits of a selected numeral value, control means operable with the devices in any shifted position thereof to cause the same to adjust one group of actu-



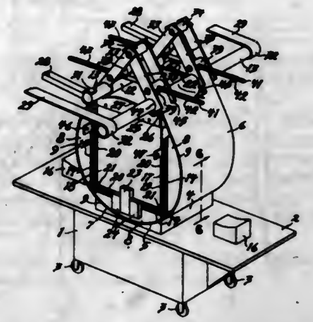
ators in accordance with the value received, mechanism operable to shift said carriage relative to the actuators to enable the devices to adjust a different group of actuators in accordance with the value received, and initiating means controlled by a part of the control means and operable thereby following the adjustment of the actuators to initiate concurrent operation of said actuators and said shift mechanism.

2,567,121
METHOD OF REGULATING SHOT SIZES
Idar M. Olsen, Jackson, Mich.
Application March 8, 1946, Serial No. 652,900
2 Claims. (Cl. 18—47.3)



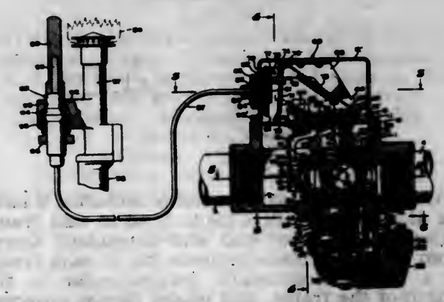
1. The method of improving uniformity of size in the manufacture of solid substantially spherical metallic shot comprising the steps of drawing molten metal from a source subject to surges due to irregular production and feeding, pouring the molten metal in a contracted stream onto the upper portion of an angularly inclined surface to spread and flow and even and smooth out in a thin ribbon of substantially uniform thickness at all points throughout its width as the ribbon pours and cascades over the lower edge of the inclined spreading surface, supplying fluid under jet pressure substantially at right angles outwardly through the cascading ribbon of molten metal substantially uniformly throughout the width of the ribbon, and adjusting the angularity of the inclined surface to vary the width and depth of the ribbon-like stream of molten metal as it cascades whereby the size of resultant shot can be controlled and varied to suit different conditions of use.

2,567,122
PLYWOOD SHAPING APPARATUS
Walter E. Radig, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application October 19, 1946, Serial No. 704,392
4 Claims. (Cl. 144—265)



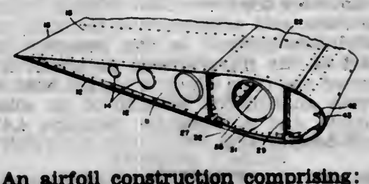
1. In a forming apparatus, the combination of an inner form provided with a forming surface comprising a succession of angularly related forming surface portions of relatively flat character, a flexible tension member, a plurality of outer form members secured in succession and arranged along said tension member in such relation as to respectively lie opposite said forming surface portions for forming a blank disposed between said inner form and outer form members when said tension member and with it said outer from members are wrapped about said inner form and blank, the forming surfaces of said outer form members being of relatively flat character and the tension member engaging surfaces of said outer form members being convex longitudinally of said tension member and generally conforming with a circle when said outer form members are in forming relation with said inner form, and a releasable clamp operative on the ends of said tension member to lineally tension the same with said tension member and outer form members wrapped about said inner form and blank.

2,567,123
SAFETY VALVE STRUCTURE FOR FUEL BURNERS
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation of California
Application November 22, 1948, Serial No. 61,505
6 Claims. (Cl. 137—144)



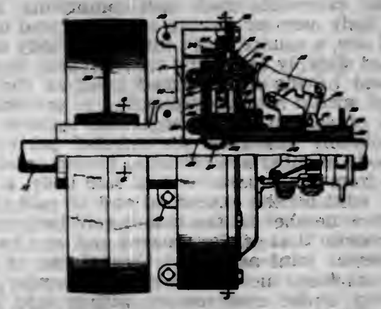
1. In a valve structure: a valve body providing a plug valve seat and having inlet and outlet ports opening in said seat and transversely thereof; a rotary plug having a transverse port and rotatable in said seat to establish and interrupt communication between the inlet and outlet ports; an operator for rotating the plug; a flexible wall defining with the body a chamber into which one of said ports opens; a safety valve closure structure cooperating with the edge of the said one of the ports for controlling the passage of fluid between said port and the chamber; said safety valve closure structure including an arm, a pivot in the chamber for the arm, and a closure carried by the arm; means urging the arm toward valve closing position; means for rotating the arm in valve opening direction and operated by movement of the plug operator beyond plug valve closing position; and a latching mechanism for maintaining the arm in safety valve opening position, comprising: a member mounted externally of the flexible wall upon the arm; a first latch element actuated by said member; a second cooperating movable latch element for engaging said first latch element; and heat responsive means for moving said second latch element into engaging position.

2,567,124
AIRFOIL CONSTRUCTION
Edward Y. Roberts, Findlay, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 10, 1946, Serial No. 668,907
9 Claims. (Cl. 244—124)



7. An airfoil construction comprising: a spar and a plurality of spaced forwardly extending compression members secured to the spar; a nose cap comprising a shell, a plurality of cap ribs secured to the shell and a strip secured along the inside of the nose portion of the shell; the rear portions of the cap ribs bearing upon the spar and said strip bearing upon the fore portions of the compression members, for transmitting loads between the spar and the nose cap.

2,567,125
FRICTION CLUTCH MECHANISM
Arthur Ruch, Chicago, Ill.
Application December 30, 1948, Serial No. 68,209
5 Claims. (Cl. 192—55)



1. In combination with a power shaft, a friction clutch structure mounted on the shaft com-

prising a power take-off member journaled on the shaft, a frictional driving member secured to the shaft to rotate therewith, and connecting means positioned for releasable frictional engagement with said driving member, means on the power take-off member defining an abutment element, and means defining a cooperating abutment face on said connecting means which is movable, by rotation of said connecting means relative to said power take-off member, into sliding abutting engagement with said abutment element; whereby said connecting means has a positive driving connection with said power take-off member, but is yieldable relative thereto in a direction transversely of the shaft to compensate for non-axial alignment of the power take-off member and the power shaft.

2,567,126

PROCESS FOR PREPARING 4,4'-NITROPHENYL BENZOIC ACID

Herman E. Schroeder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 25, 1949, Serial No. 72,743
4 Claims. (Cl. 260—515)

1. A process for preparing 4,4'-nitrophenyl benzoic acid which comprises effecting the acetylation of 4-nitrobiphenyl in a nitrobenzene with an acetyl halide and in the presence of aluminum chloride at temperatures of from 40° to 70° C., removing the aluminum chloride from the reaction mass and oxidizing the resulting crude 4,4'-acetylnitrobiphenyl in the presence of at least part of the nitrobenzene in which it has been formed and from which it has not been separated, with an aqueous solution of an alkaline hydochlorite, and isolating the resulting 4,4'-nitrophenyl benzoic acid.

2,567,127

EXTENSIBLE SHAFT

Willie M. Shoffner, Dayton, Ohio

Application October 24, 1947, Serial No. 781,961
2 Claims. (Cl. 64—1)



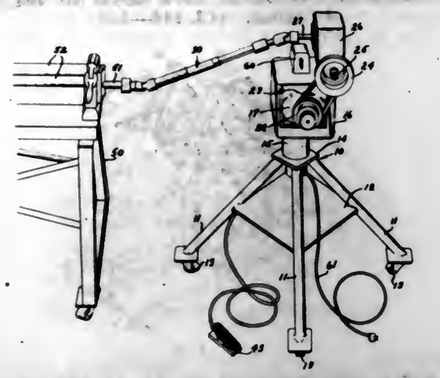
1. An extensible shaft unit comprising, a tubular body member having a squared end of reduced size, a square shaft within the body member and slidably extending through said squared end and having an enlarged head at the end thereof within said body member to prevent removal of said shaft through said squared end and slidably engaging the tubular portion of said body member a substantial spaced axial distance from the squared end of said body, a universal joint on the extending end of said shaft, a closure member on the end of said body member opposite that of the squared end and having a universal joint as a part thereof one of said universal joints including a splined member, and a spring under compression within said body member between said closure member and said head on said shaft to urge the shaft outwardly through the squared end of said body member.

2,567,128

PORTABLE POWER UNIT

Willie M. Shoffner, Dayton, Ohio

Application April 6, 1948, Serial No. 19,262
3 Claims. (Cl. 74—16)



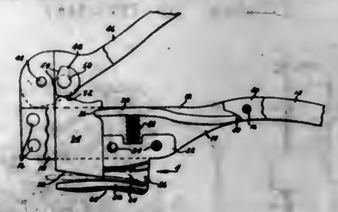
1. A low speed high torque portable power unit for removable connection to non-power operated machines whereby to power drive the same at the will of an operator consisting of, a multiple-legged pedestal, a post extending upwardly from said pedestal, a box frame carried on said post, a prime mover carried within said frame and supported thereby, a speed reducer carried on the top of said frame and supported thereby and having a drive shaft extending therefrom, means forming a flexible driving connection between said prime mover and said speed reducer, a resiliently extensible telescoping transversely rigid transmission shaft having a universal joint at each end thereof, one of said universal joints being connected to said drive shaft of said speed reducer, the other of said universal joints including means for removably connecting the same to a machine to power drive the same, and means on said pedestal locking same from movement over the floor, whereby to hold said pedestal stationary against movement urged by resilient extension of said transmission shaft when in operative driving connection with a machine to be driven thereby.

2,567,129

METAL-CUTTING SHEARS

Willie M. Shoffner, Dayton, Ohio

Application April 9, 1949, Serial No. 89,133
9 Claims. (Cl. 30—241)



1. In a shears having a frame including a handle at one end; a first blade fixed in said frame adjacent the other end and dependent therefrom, a second blade reciprocable in said frame in a direction generally perpendicular to the length of the frame, said blades having adjacent cutting edges generally perpendicular to the direction of reciprocation of said second blade, a lever pivoted on said frame between said second blade and the said other end of the frame, a roller on said lever bearing on the end of said second blade opposite the cutting edge thereon, and resilient means acting on said second blade for urging it away from said first blade to permit material to be cut to be inserted therebetween, the said roller bearing on said second blade between the median line thereof and the side thereof toward the pivot for said lever.

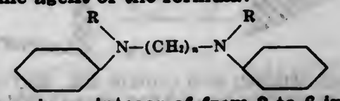
2,567,130

WATER-DISPERSIBLE PASTES OF GAS FUME FADING INHIBITORS FOR ACETATE SILK DYES

Francis Hervey Smith, Woodstown, N. J., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 11, 1947, Serial No. 727,935. Divided and this application May 5, 1950, Serial No. 160,391
6 Claims. (Cl. 8—61)

1. A stable, aqueous emulsion paste of an anti-fume agent of the formula:



wherein n is an integer of from 2 to 6 inclusive, R is a substituent of the group consisting of a hydrogen atom, a methyl radical, an ethyl radical, and a hydroxy-ethyl radical, containing from 30% to 50% of the anti-fume agent, from 1% to 5% of methyl cellulose having a viscosity of from 15 to 500 centipoises, and from 2% to 15% of an organic liquid which may be used as a plasticizer in preparation of resin products, and wherein the anti-fume agent particles are of such a size that not more than 10% will be retained in a 150 mesh sieve when a sample of the paste is filtered from a dilute aqueous suspension.

2,567,131

ORGANOSILICON POLYMERS

John L. Speier, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application June 30, 1950, Serial No. 171,552
3 Claims. (Cl. 260—448.2)

1. A compound of the formula

$$(SiCH_2NCH_2SiO)_x$$

where x has a value of at least 1, R is selected from the group consisting of alkyl and phenyl radicals, and R' is selected from the group consisting of alkyl radicals and hydrogen.

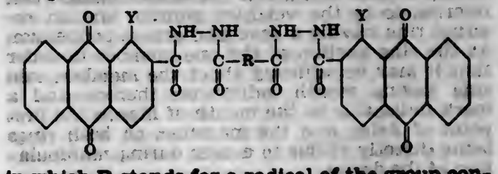
2,567,132

ANTHRAQUINONE CARBONYL HYDRAZINES

Frederic B. Stilmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 15, 1949, Serial No. 81,618
4 Claims. (Cl. 260—368)

1. The anthraquinone carbonyl hydrazines of the general formula:



in which R stands for a radical of the group consisting of 1,4-phenylene, 1,4-naphthylene and 4,4'-diphenylene radicals and their halogen derivatives which contain from 1 to 4 halogen atoms of the group consisting of chlorine and bromine, and in which Y stands for a substituent of the group consisting of —NH_2 and —NO_2.

2,567,133

DECIMAL INDICATOR

Clarence K. Studley, Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application August 27, 1949, Serial No. 112,663
3 Claims. (Cl. 235—1)



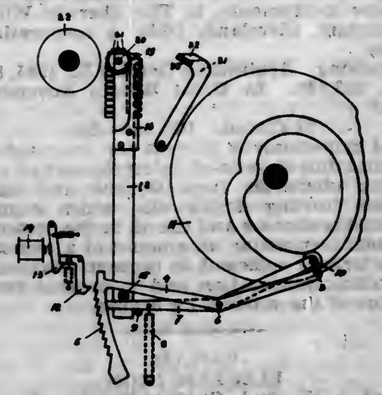
1. A decimal indicating device for a calculating machine having a carriage transversely shiftable relative to the machine, a series of numeral wheels mounted in the carriage and a cover provided with an opening adjacent each of said numeral wheels, the decimal indicating devices comprising a series of movable flaps mounted on said cover intermediate said openings; each of said flaps having a bifurcate edge and bearing decimal indicia on one side only, a series of extrusions formed on the cover each constituting a pivotal mounting embraced by the bifurcate edge of the flap, said extrusions lying substantially parallel to the general plane of the cover and normal to the direction of carriage shifting movement.

2,567,134

PRINTING MACHINE CONTROLLED BY SYMBOL CARDS

Cornelis Hendricus Stuivenberg, Haarlem, Netherlands

Application August 6, 1947, Serial No. 766,766
In the Netherlands August 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires August 27, 1965
9 Claims. (Cl. 235—61.9)



2. In a device for printing numerical values and corresponding graphical records, a first movable carrier carrying figure types of a first predetermined digit, a second movable carrier carrying figure types of a second predetermined digit, a printing member, a plurality of types supported by said printing member for making said graphical records, said last-mentioned types being arranged in spaced relationship along a path

extending over a predetermined length and the circumference of said printing member, means for rotatably and reciprocably supporting said printing member, and means operatively interconnecting said carriers and said printing member to bring about rotative and longitudinal movement of said printing member in response to the actuation of said first and second carrier respectively.

2,567,135
VULCANIZATION OF BUTADIENE COPOLYMER RUBBERS

Bernard M. Sturgis, Pitman, N. J., and Arthur A. Baum, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 6, 1946, Serial No. 688,688
2 Claims. (Cl. 260—85.1)

1. A process of vulcanizing a butadiene-styrene copolymer rubber in the absence of sulfur, which comprises incorporating in the unvulcanized copolymer material from 0.25 to 20 parts, per 100 parts of copolymer, of ortho-chlorobenzotrichloride, and heating the mass to effect vulcanization of the copolymer.

2,567,136
AGGLOMERATES OF FUEL AND MANUFACTURE PROCESS

Antoine Vloebergha, Antwerp, Belgium

No Drawing. Application October 1, 1946, Serial No. 700,389. In Belgium September 22, 1939
6 Claims. (Cl. 44—21)

1. A fuel agglomerate comprising coal dust, a suitable amount of waste sulphite liquor up to less than 6%, and a suitable amount of a phenol-formaldehyde resin up to less than 3%.

2,567,137
INTERPOLYMERIZATION OF STYRENE AND FROSTING DRYING OIL IN PRESENCE OF MONOCYCLIC ALPHA-TERPENE

Leslie Ernest Wakeford and Donald Helmsley Hewitt, London, England; Ernest Booth and Richard Hartlebury Buckle, executors of said Donald Helmsley Hewitt, deceased, assignors, by mesne assignments, to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 22, 1945, Serial No. 623,283. In Great Britain November 3, 1944
21 Claims. (Cl. 260—23)

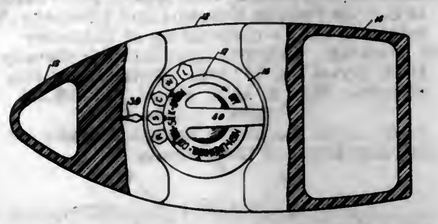
1. A non-catalytic process for the production of compatible styrene-oil interpolymers of a non-frosting character from styrene and unpolymerised frosting drying oils, which comprises heating the styrene and the oil in the presence of a solvent comprising an amount of a monocyclic alpha terpene sufficient to prevent gelation during interpolymerization and to prevent frosting of films of the product on drying.

2,567,138
ELECTRIC IRON

Edward A. Weiland, Garfield Heights, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 3, 1948, Serial No. 37,010
2 Claims. (Cl. 219—25)

1. An electrically heated pressing iron comprising, a sole plate, a cover shell secured to said sole plate, a handle having front and rear legs carried by said cover shell, an electric heater positioned for heating said sole plate, a thermostat for controlling the temperature of said sole plate, a rotatable control shaft carried by said sole plate for adjusting the temperature setting of said thermostat, said shaft extending upwardly through said cover shell between the legs of said handle, a control dial secured to the upper end of said shaft, an indicating pointer carried by the front leg of said handle, indicia carried by said control dial adapted to be brought into alignment with said pointer to indicate the proper setting of said shaft for maintaining said sole plate at the proper temperature for ironing various fabrics, an indicating dial rotatably mounted about

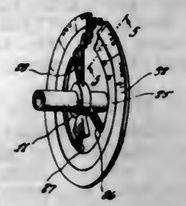


said shaft beneath said control dial, said indicating dial extending beyond the edge of said control dial and covering substantially the entire area of said cover shell not covered by the legs of said handle, indicia carried by the extended portion of said indicating dial corresponding to the indicia carried by said control dial, a second thermostat positioned to respond to the temperature of said sole plate and means actuated by movement of said second thermostat for rotating said indicating dial to bring the like indicia of said dials into alignment with said pointer when the temperature of said sole plate corresponds to the temperature indicated by the setting of said control dial.

2,567,139
STAR CLOCK

Harry G. Wens, Bronx, N. Y.

Application November 12, 1947, Serial No. 785,345
2 Claims. (Cl. 35—44)



1. A star clock comprising a sighting tube, a weighted pointer mounted on the sighting tube for free rotation, a member comprising a ring portion, a hub portion fixed to the tube and spoke portions extending at radial directions and angularly spaced about the hub portion to correspond respectively to the right ascensions of particular circumpolar stars and by which notation may be made of these respective stars upon the tube being sighted upon Polaris, said ring portion having a scale to indicate the sidereal time when referred to by the weighted pointer, and an external ring having a bead and groove connection on the ring portion of the one member in order that it may be adjusted about the member, said ring having month indications thereon and a mark indicating in the month of March the first point of Aries, and the markings on both rings being directly visible to a user during manipulation of the device.

2,567,140
PREPARATION OF AN IRON OXIDE-MAGNESIUM CHROMATE CATALYST

Kenneth D. Ashley and William B. Innes, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

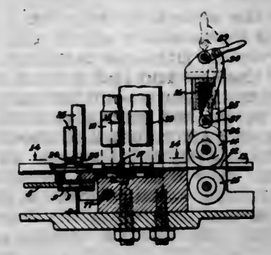
No Drawing. Application June 21, 1949, Serial No. 100,532
4 Claims. (Cl. 252—468)

1. A method of producing an iron oxide-magnesia catalyst of high activity and improved mechanical strength which comprises preparing a mixture of Fe_2O_3, about 10–100% of "active magnesia" based on the weight of the iron oxide and about 3–40% of magnesium chromate and sufficient water to hydrate all of the magnesia, compressing said mixture into pellets, aging the pellets while retaining their water content to form therein a set hydraulic cement, and subsequently dehydrating the pellets by calcining them at 500–650° C.

2,567,141
CLOSURE CAP LINING MACHINE

Charles Andrew and Frank Waitkens, Brooklyn, N. Y., assignors to A. W. Machine Company, New York, N. Y., a partnership

Application March 23, 1946, Serial No. 656,764
5 Claims. (Cl. 113—80)



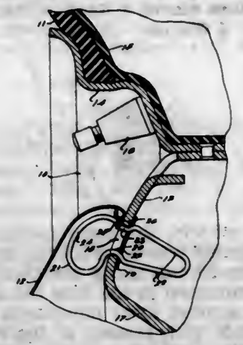
1. A machine for lining closure caps comprising a fixed punch, a reciprocable die above the punch, means for intermittently feeding a strip of lining material between the punch and die and to a lining station, means for reciprocating the die to punch lining disks from the strip as it passes and for leaving them in situ, means for conveying unlined caps to the lining station, and a plunger at the lining station, reciprocable with the die, for pushing disks downward from the strip and into the caps.

2,567,142
WHEEL STRUCTURE

John C. Barker, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 31, 1946, Serial No. 673,258
4 Claims. (Cl. 301—37)

1. In a wheel structure the combination of a wheel disc having an outer and inner surface and having a plurality of pairs of slots therein, each pair of slots comprising two individual narrow slots spaced on opposite sides of and parallel to a wheel radius, a plurality of flexible shield elements each having a pair of slits therein adapted to be aligned with a pair of said slots, said shield elements being attached to the interior surface of said wheel disc, a plurality of clips having a portion thereof protruding beyond the outer surface of said wheel disc, each clip having a pair of flexible extensions thereon adapted to penetrate a pair of said slots and slits and a dished hub cap having portions thereof adapted to engage said clips on the outer surface of said

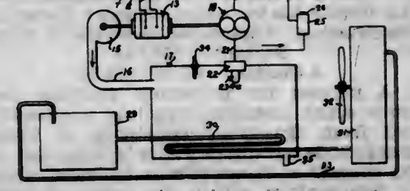


wheel disc thereby to secure said hub cap to said wheel disc and whereby the entrance of water and dirt to the interior of said hub cap through said slots and slits is prevented by said shield elements.

2,567,143
FUEL SYSTEM FOR HEATERS

Ernst Justus Bodensieck, Euclid, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application December 6, 1946, Serial No. 714,605
4 Claims. (Cl. 237—12.1)



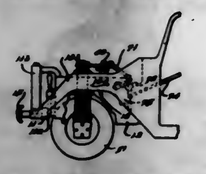
1. A vehicle heating system comprising a variable speed electric motor, an engine driven generator adapted to be carried by the vehicle to energize said motor at variable output voltages, a fuel pump, an air blower, said electric motor forming a common driving means for said fuel pump and said air blower, means to supply wholly liquid fuel to the input side of said fuel pump, a combustion chamber, duct means to supply fuel discharged by said fuel pump to said combustion chamber, inlet means for said combustion chamber to receive air from said air blower, a spring-biased shut-off valve in control of said duct means to seal off the fuel discharged by said pump upon stoppage of the pump, a by-pass connecting the intake and discharge sides of the pump, and a fixed orifice defining means in said by-pass to maintain a constant air-fuel ratio in said combustion chamber as the speed of said electric motor varies during the open period of said valve, said orifice defining means relieving pressure on said valve when said pump is stopped so that said valve will rapidly close and need seal against inlet pressure only.

2,567,144

SUSPENSION FOR STEERABLE WHEELS

John P. Butterfield, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 1, 1947, Serial No. 731,790
8 Claims. (Cl. 280—96.2)



1. In a vehicle, the combination with a body and a steerable wheel; of a tube mounted on the body; an hydraulic shock absorber comprising a first part mounted in the tube for a rotary movement and against axial movement and a second part movable with respect to the said first part; an assembly connected to the steerable wheel and comprising a base connected to the said second shock absorber part, an outer sleeve receiving and journalling the tube, and an inner sleeve keyed to the said first shock absorber part so as to provide for axial movement of the assembly and wheel with respect to the body and tube and conjoint rotary movement of the assembly, the wheel, and the first shock absorber part with respect to the body; and resilient means associated with the tube and the steerable wheel-connected assembly urging the wheel assembly and the wheel axially of the tube in all positions of rotary movement of said assembly.

2,567,145

METHOD OF PREPARING URANIUM PENTAFLUORIDE

Charles J. Carignan, Cranston, R. I., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application December 7, 1945, Serial No. 633,541
4 Claims. (Cl. 23—14.5)

1. A process for preparing uranium pentafluoride which comprises reacting a material selected from the group consisting of uranium pentachloride, uranium hexachloride and mixtures thereof with anhydrous hydrogen fluoride at a temperature within the range of between −33° C. and 25° C., subsequently heating the reaction products at a temperature of about 25° C. under a vacuo of 1×10^{-3} mm. Hg to drive off unreacted hydrogen fluoride and gaseous reaction products, and then recovering anhydrous uranium pentafluoride.

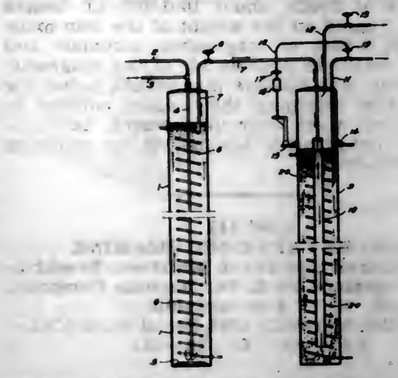
2,567,146

MANUFACTURE OF MERCAPTOBENZOTHIAZOLE

Hal B. H. Cooper, Bound Brook, and Carl E. Mensing, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 9, 1949, Serial No. 109,262
3 Claims. (Cl. 260—306)

1. In a continuous process of producing mercaptoarylthiazoles wherein liquid reactants including CS_2 are introduced into one end of a reacting mass held under high reaction pressure at elevated temperature; reacted liquid mass containing CS_2 is discharged together with by-product H_2S from the opposite end; the discharge is introduced into the lower levels of a volume of molten reacted mass held under lower separating pressure; CS_2 vapor and H_2S is separated therefrom and accumulated above the separating mass; gas mixture is discharged from the accumulation; and CS_2 and H_2S free product is discharged from the separating mass: the procedure for recovering CS_2 which comprises maintaining the reaction temperature above the melting point of the product mercaptoarylthiazole at the reaction pressure and the pressure above about 1000 lbs./sq. in. and sufficiently high to keep the reactants dissolved;



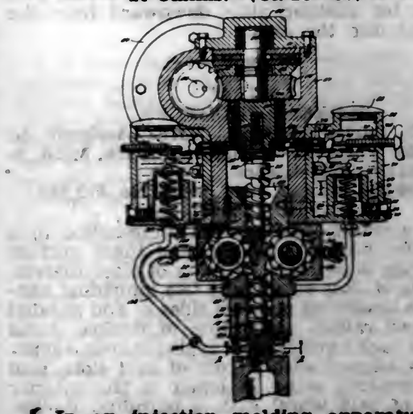
maintaining the separating mass at a temperature at which substantially all the CS_2 is vaporized, the mercaptoarylthiazole is molten, and substantially all the CS_2 and H_2S is insoluble therein; maintaining the separation pressure at about 300–400 lbs./sq. in. and such that throttling the discharge vapor mixture down to about 5–15 lbs. per. sq. in. will liquefy substantially all the carbon disulfide; discharging and throttling the separated gas-vapor mixture down to about 5–15 lbs. per. sq. in. and separating the liquid carbon disulfides from the residual discharged gases and vapors.

2,567,147

LUBRICATING MECHANISM FOR INJECTION MOLDING APPARATUS

Walter P. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 16, 1947, Serial No. 761,348
10 Claims. (Cl. 18—30)



5. In an injection molding apparatus comprising a housing having a bore, a rotatable element in said bore, a cam in said housing rotatable with said element, pressure lubricating mechanism adjacent a wall of said housing, and a cam follower extending through said wall of said housing into said bore for operation by said cam and having one extremity engaging said cam, the other extremity of said cam follower being operatively engaged with said pressure lubricating mechanism.

2,567,148

TELEPHONE SIGNALING DEVICE

Willem C. de Vries, The Hague, Netherlands, assignor to Staatsbedrijf Der Posterijen, Telegrafie En Telefonie, The Hague, Netherlands

Application June 14, 1947, Serial No. 754,759
In the Netherlands June 15, 1946
8 Claims. (Cl. 179—2.5)



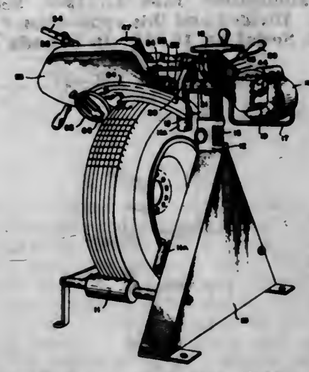
1. In telephone systems of the class described, the combination of a four-wire end system I, a four-wire end system II and a four-wire intermediate system III including means for interconnecting said end systems I and II, each of said systems comprising a two-wire circuit for speech transmission in one direction and a two-wire circuit for speech transmission in the other direction, signal transmitting means and signal receiving means in said end system I for transmitting and receiving a signalling frequency for effecting the performance of supervisory operations in end system I, signal transmitting means and signal receiving means in end system II for transmitting and receiving a signalling frequency for effecting the performance of supervisory operations in end system II, and signal suppressing means connected in said directional two-wire circuits which are operative without interrupting the existing circuit interconnections between the systems to prevent signalling frequencies in said end system I from causing improper operation of the signal receiving means in end system II, and to prevent signalling frequencies in said end system II from causing improper operation of said signal receiving means in end section I.

2,567,149

APPARATUS FOR INCISING TIRES

William F. Errig, Jenkintown, Pa., and Edward S. De Hart, Collingswood, N. J.; said De Hart assignor to said Errig

Application January 6, 1950, Serial No. 137,104
7 Claims. (Cl. 164—73)



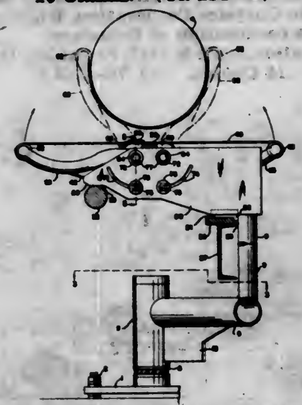
1. In apparatus for incising tires, a frame for supporting a tire for rotation, a head mounted on said frame, a driving roller carried by said head for engagement with the tire, a driving shaft for said roller, a driving motor carried by said head, a shaft driven by said motor, an intermittent driving connection for said roller shaft, members for operating said driving connection, and a shiftable operating member driven by said motor driven shaft for selective connection to said operating members and said roller shaft.

2,567,150

APPLICATOR FOR TIRE BUILDING OR OTHER MACHINES

Larry C. Frazier, Niles, Mich., and Florain J. Shook, Akron, Ohio, assignors to National-Standard Company, Niles, Mich., a corporation of Michigan

Application November 18, 1949, Serial No. 128,186
16 Claims. (Cl. 154—9)



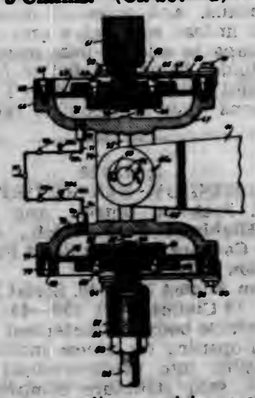
1. Apparatus for applying tire building stock to a tire building drum, a carriage positioned adjacent the drum, a flexible belt on the carriage adapted to support a strip of tire stock, and means on the carriage to hold a portion of the belt in substantially flat condition and to bring the center of the belt into contact with the drum and to wrap the belt about the drum.

2,567,151

DIAPHRAGM UNIT

Lloyd Hornbostel, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin

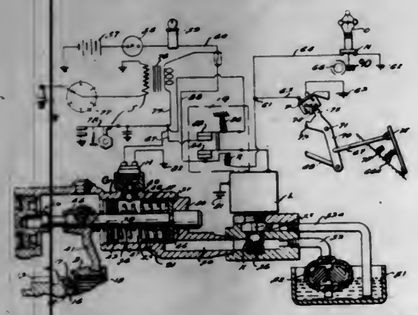
Application July 30, 1945, Serial No. 607,723
5 Claims. (Cl. 267—1)



1. A diaphragm unit comprising a concave casing having an annular flange, an annular

clamping ring secured to said casing flange, a diaphragm clamped at its periphery between said flange and said ring to form with said casing a gas pressure chamber, rigid circular members holding the central portion of said diaphragm clamped therebetween and cantilever springs extending generally parallel to the normal plane of said diaphragm and having one end secured to one of said circular members and the other end secured to said clamping ring to impart lateral stability to said unit without substantially resisting axial movement of said diaphragm.

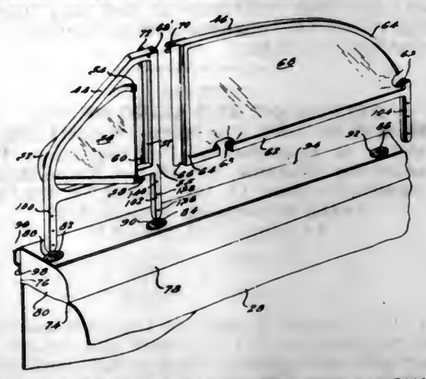
2,567,152
VALVE SYSTEM FOR HYDRAULIC TRANSMISSIONS
William A. Hunter, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application April 9, 1947, Serial No. 740,425
15 Claims. (Cl. 74—336.5)



1. In a control system for a motor vehicle transmission, a pressure fluid operated device for controlling speed ratio changes in said transmission comprising a shift cylinder, a piston reciprocably mounted in said cylinder, and a port in said cylinder adapted to be uncovered when said piston has been moved to a predetermined position, a source of pressure fluid, conduit means for conducting pressure fluid from said source to said cylinder, fluid by-pass means branching off from said conduit means comprising a valve casing having a passage therethrough providing a ported valve seat, a control valve adapted to be mounted on said ported valve seat, means yieldably urging said valve on said valve seat, said valve when seated closing off said branching by-pass means, and solenoid operated means adapted to unseat said valve and connect said conduit means to said by-pass means, said port in said cylinder being adapted to function as a pressure fluid relief valve and as a piston positioning means when said control valve is seated.

2,567,153
WINDOW STRUCTURE
Clifford C. Jackson, Detroit, and Herman W. Smith, Highland Park, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 25, 1949, Serial No. 112,282
10 Claims. (Cl. 296—44)

1. In a vehicle body characterized by structure defining an opening for access incident to occupancy divisible into predetermined upper and lower parts, said structure comprising a peg-receiving door substantially coextensive in dimensions with said lower part and swingably mounted on the body such that in closing it is confined to disposition solely in the lower part of said opening: the combination with mullion-forming elements for forming a mullion adapted to divide the said upper part of the opening into first and second areas, said mullion forming elements being

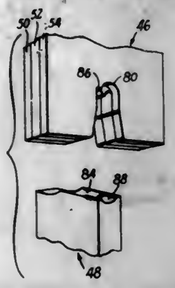


incorporated in a first frame-like member fitting within the first area and a second frame-like member fitting within the second area, the frame-like members having pegs in the base thereof receivable in the peg-receiving door and adapting them to find their sole support along one edge of the door, of means slidably interlocking the two members to form the mullion.

2,567,154
TETRA-ALKYLMONOTHIONOPYROPHOSPHATE AND PROCESS OF PREPARATION
Gennady M. Kosolapoff, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 26, 1948, Serial No. 35,512
9 Claims. (Cl. 260—461)

1. The process which comprises condensing a dialkyl phosphoryl chloride and a dialkyl sodium thiophosphate, whereby sodium chloride is liberated during the reaction.

2,567,155
CRIMPING DIE
James C. Macy, Westfield, N. J., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa., a corporation of New Jersey
Original application June 27, 1946, Serial No. 679,630. Divided and this application February 21, 1948, Serial No. 10,021. In Canada June 19, 1947
2 Claims. (Cl. 153—1)



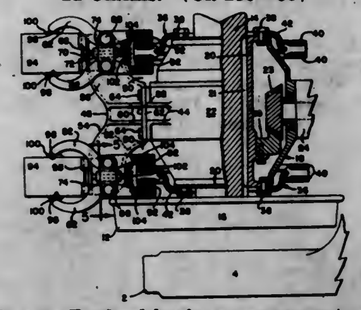
1. Interengaging dies for crimping a U-section electrical connector having offset opposite ears

onto an insulated electrical conductor with at least one ear piercing the insulation that comprises a first die having an elongated trough-like die face to accommodate therein the conductor and ferrule with the ears of the ferrule projecting outwardly generally tangentially of the trough-like die face, a second die having walls defining a recess to receive the first die and having a plurality of face portions to act on the connector ears, said face portions being adjacent in a direction parallel to the long axis of the die face of said first die, said face portions all including curved trough-like ear curling portions of a diameter less than the width of the die face of the first die, axially adjacent ear curling portions being offset transversely of said recess, the ear curling portions of axially adjacent face portions blending substantially tangentially with opposite walls of said second die at one side, at least one of said face portions having a socket between the other side of the curling portion and the wall opposite to the one with which it substantially tangentially blends, said socket functioning to receive insulation during operation of the dies so that the resistance of the insulation to piercing by the curled ear is reduced.

2,567,156
CORROSION INHIBITOR FOR CONCENTRATED PHOSPHORIC ACID
John E. Malowan, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 31, 1947, Serial No. 795,143
11 Claims. (Cl. 23—165)

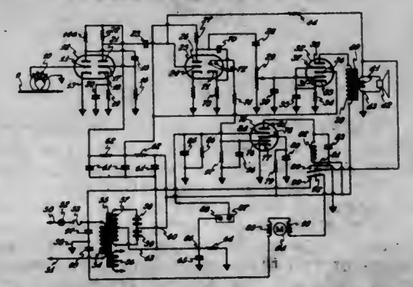
1. A process for the inhibition of corrosion of phosphoric acid essentially comprising the dissolving therein of a nitrile having from 6 to 20 carbon atoms in combination with an ionizable iodide in inhibitory concentrations to inhibit the corrosive action of the acid on iron and steel.

2,567,157
ROTOR BRAKE
Carl E. Tack and Wesley A. Helsten, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 9, 1947, Serial No. 740,428
11 Claims. (Cl. 188—59)



1. In an off-wheel brake arrangement, a wheel and axle assembly comprising an axle with spaced wheels rotatable therewith, a truck frame supported on said assembly, a quill between the wheels and fixed to the axle for rotation therewith, a brake rotor connected to each end of said quill, a gear housing rotatably mounted on said quill between said rotors and extending thereinto at opposite ends, a torque connection between one side of said housing and said frame, a brake support comprising a beam member removably connected intermediate its ends to the housing in an area diametrically opposite said torque connection, said member being offset at opposite ends away from said housing outwardly of the rotors and extending beyond the rotors, a mounting plate at each end of said member, a cylinder power device mounted on each plate, a pair of levers disposed at opposite sides of each rotor removably pivoted intermediate their ends to said member, and brake means carried by the levers at one of their ends for braking cooperation with the related rotor, said levers being operatively associated at their other ends with respective power devices.

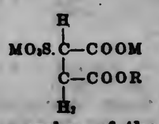
2,567,158
RULING CONTROL SYSTEM FOR RECORDERS
Theodore D. Thad, Chicago, Ill., assignor to Morris Weintraub, Newport, Ky.
Application July 15, 1949, Serial No. 104,899
5 Claims. (Cl. 179—100.2)



1. In a magnetic reproducing device including a magnetic reproducing head, a magnetic impulse record member, and a motor for driving said record member into operative relation with said head, a control tube having a plate circuit and a plurality of grid circuits, a relay in series with the plate circuit of said control tube, a switch controlled by said relay in series with the energizing circuit of said motor, a second switch in one of the grid circuits of said control tube, time delay means in said one grid circuit operable upon closing of said second switch to bring said relay into motor-energizing condition to thereby energize said motor and drive said record member past said head, and means in the second of said grid circuits responsive to the signals from said head to keep said relay in motor-energizing condition during the time the signals are received from said head.

2,567,159
WETTING AND DETERGENT COMPOSITION
Emil A. Vitalis, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 4, 1949, Serial No. 125,661
2 Claims. (Cl. 252—161)

1. A wetting and detergent composition comprising essentially a surface active material which is a monoalkyl sulfosuccinate having the formula



in which M is a member of the group consist-

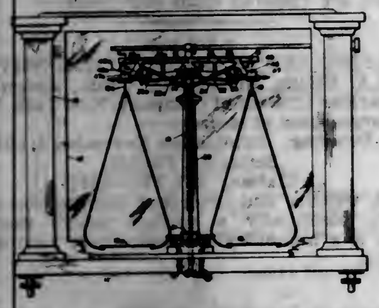
ing of alkali metal and ammonium radicals and both M's are the same, and R is an alkyl radical of from 12 to 18 carbon atoms, and a water-soluble inorganic chromium salt which is capable of increasing the water solubility of the monoalkyl sulfosuccinate, said chromium salt being present in an amount the minimum range of which is from 0.25 mol to 1 mol and the maximum amount is 10 mols for each mol of the sulfosuccinate.

2,567,160
SEPARABLE FASTENER
Nicholas A. Wahl, New York, N. Y., assignor to Wahl Brothers, New York, N. Y., a partnership
Application June 29, 1946, Serial No. 680,483
13 Claims. (Cl. 24—205.16)



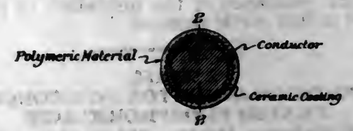
9. In a separable fastener, the combination including: a row of engaging elements secured at regular intervals along a runner; a tape parallel with the runner and comprising marginal sections extending laterally at least partially around the row of engaging elements; primary tie threads extending between the edges of the lateral extensions of the tape; secondary tie threads extending between the lateral extensions of the marginal sections of the tape from points removed substantially from the edges thereof, said primary and secondary tie threads passing between the engaging elements on one side of the runner; and a seam parallel with and on the other side of the runner binding the marginal sections at the bases of the lateral extensions thereof in face to face contact, said tie threads holding the lateral extensions of the marginal sections in fixed position longitudinally along the sides of the row of engaging elements.

2,567,161
EQUAL ARM BALANCE
William C. Griffin, Newport, Del.
Application October 8, 1947, Serial No. 778,630
13 Claims. (Cl. 265—54)



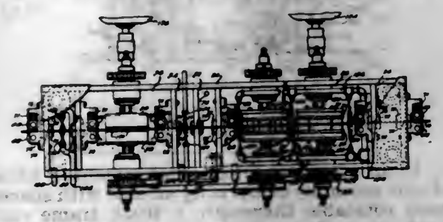
1. In a balance, having a support, a balance beam, a balance beam bearing having knife edge and knife edge plane elements one of which is carried by said support and the other is carried by said balance beam intermediate its ends, mass to be weighed supporting means vertically disengageably carried by said balance beam at one side of said bearing, and counterweight supporting means vertically disengageably carried by said balance beam at the other side of said bearing; preliminary weighing means including a second beam, a second bearing for said second beam intermediate the ends thereof, members for engaging and lifting said supporting means to disengage the same from said balance beam, means for transmitting weight between the said members and the respective opposite ends of said second beam, and selectively operable means for moving said members into engaging and lifting relation with said supporting means.

2,567,162
COATED ELECTRICAL CONDUCTOR AND METHOD OF MAKING SAME
Philip Francis Sanders, Lansdowne, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 14, 1948, Serial No. 2,317
15 Claims. (Cl. 117—70)



15. In the process of producing an insulated electrical conductor, the improvement which comprises coating an electrical conductor with an aqueous suspension mixture of a ceramic material and polytetrafluoroethylene, heating to coalesce the suspension particles, cooling, applying thereover a coating composition comprising a suspensoid of a polymeric material selected from the group consisting of polytetrafluoroethylene and copolymers of tetrafluoroethylene and another polymerizable organic compound containing an ethylenic double bond, said copolymers being dispersed in an organic medium, heating to adhere the coating particles to the first coating and to themselves, and cooling to room temperature.

2,567,163
APPARATUS FOR POLISHING CONTINUOUS STRIP METAL
David A. Wallace, Grosse Pointe Farms, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 18, 1947, Serial No. 761,915
4 Claims. (Cl. 51—56)

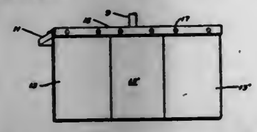


2. In a device for simultaneously polishing both sides of a sheet metal strip, a casing having walls defining an elongated tank having vertical slots in opposite end walls thereof to receive a portion of the metal strip so that the strip may extend through the tank in a vertical plane, a pair of coaxial horizontal shafts extending transversely of said casing, stones carried within said tank by each of said shafts, each of said stones having a flat abrading surface located substantially in the plane defined by said slots, said abrading surfaces thereby being adapted to cooperate to engage opposite sides of a sheet metal strip extending through the tank and between said abrading surfaces, a power driven reel located exteriorly of said casing adjacent one end wall thereof and operable to pull a sheet metal strip through said tank, a collar associated with each of said shafts, each of said collars circumscribing one of said shafts for relative rotation therebetween and having an outer cylindrical surface eccentric to its associated shaft, a bearing associated with each of said collars and in which the collar is journalled for rotation, power means drivingly connected with each of said shafts to rotate said shafts in said collars, power means drivingly connected with each of said collars to rotate said collars in said bearings, opposed walls of said casing being provided with elongated openings each penetrated by one of said bearings and in which said bearings are mounted for reciprocation, and a power means associated with each of said bearings including a power driven rotatably mounted eccentric element having a connecting rod connected to one of said bearings for reciprocation of said last-mentioned bearing in its associated opening so that as the sheet metal strip is pulled through said tank by said power driven roll means opposite sides of the strip are engaged by the abrading surfaces of said stones, each of which move in a path defined by rotation of its associated shaft, the revolving of its shaft induced by rotation of its associated collar and the reciprocation of its associated bearing.

ABSTRACTS OF APPLICATIONS

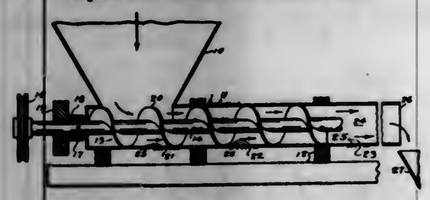
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

601,116. **ELECTRODE ASSEMBLIES.** Anthony F. Benning, Woodstown, N. J., and Melbourne K. Richards, Wilmington, Del., assignors to United States of America as represented by the United States Atomic Energy Commission. Filed June 23, 1945. Published Sept. 4, 1951. Class 204—286. 1 sheet of drawings. 6 pages of specification.



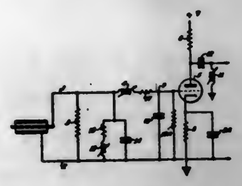
This application describes an anode assembly including special supporting structure for use in an electrolytic cell for the manufacture of fluorine by the electrolysis of a fused salt electrolyte. In the disclosed structure, a nickel anode plate 13 is supported by a copper electrode supporting bar 11 extending along its upper marginal edge. An angle strip 16 of iron or copper or an alloy thereof secured by bolts 17 provides a skirt or flashing step covering the supported marginal edge of the electrode. In operation, rapid deterioration of the anode at the margin of support is avoided because the electrolyte forms upon the iron or copper an electrically resistant protective coating which minimizes the production of fluorine thus reducing corrosion at the point of support and extending the life of the anode.

687,051. **DEWATERING FINE COAL.** Bennie W. Gandrud, Tuscaloosa, Ala., assignor to the United States of America as represented by the Secretary of the Interior. Filed July 30, 1946. Published Sept. 4, 1951. Class 100—48. 1 sheet of drawings. 6 pages of specification. (Filed under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



The application relates to an apparatus for treating flocculated coal concentrates wherein the wet coal concentrate is subjected to a squeezing treatment. The flocculating reagent is selected from the group consisting of kerosene, distilled paper mill tallol, and fatty oils such as cottonseed, castor oil and fish liver oil flotation reagents. The figure discloses the apparatus which comprises a screw conveyor 13 for moving the wet coal through a casing 11 which encloses the screw conveyor, the casing extending beyond the end of the screw conveyor for supporting the wet coal and providing a compression zone 24 beyond the end of the screw conveyor. The casing is provided with an open discharge end 26 through which the coal may discharge continuously after passing through the compression zone 24, and a plurality of screens 21, 22 and 23 spaced along the lower side of the casing and in the compression zone for permitting the egress of moisture while retaining the coal in the casing subject to the squeezing action of the screw conveyor.

781,536. **COUPLING CIRCUIT.** Eugene Kadak, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Oct. 23, 1947. Published Sept. 4, 1951. Class 178—44.13. 1 sheet of drawings. 11 pages of specification.

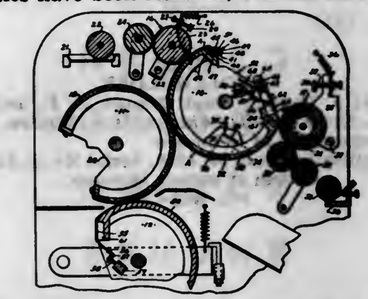


A coupling network for high frequency circuits has terminals 1 and 2 which are connected to a transmission line. A resistance 3 is connected across terminals 1 and 2. An inductance 4, having an internal resistance 17, is connected between terminal 1 and an output terminal 9. A capacitance 16 is connected between the terminal 9 and ground. An inductor 13, having an internal resistance 15 and shunted by a capacitor 14, is connected across terminals 1 and 2. The inductance 4 and capacitance 16 constitute a series resonant circuit, and the inductor 13 and capacitor 14 constitute a parallel resonant circuit at the same frequency. The values of resistance, capacitance and inductance are selected to make the variations in susceptance with frequency of the series resonant circuit substantially equal and opposite to the variations of susceptance with frequency of the parallel resonant circuit over a substantial frequency range to make the impedance of the network independent of frequency over a wide range. At terminals 1 and 2 this impedance is made equal to the surge impedance of the transmission line. An amplified voltage will appear between terminal 9 and ground.

35,427. **NON-INK RECEPTIVE SUPPORT FOR PLANOGRAPHIC PRINTING PLATES.** Charles H. Van Dusen, Jr., Willoughby, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. Filed June 26, 1948. Published Sept. 4, 1951. Class 101—142. 3 sheets of drawings. 17 pages of specification.

A printing apparatus of the planographic type having a rotary master plate drum 10 having a thin flexible planographic printing plate "A" extending about its periphery, the area of which

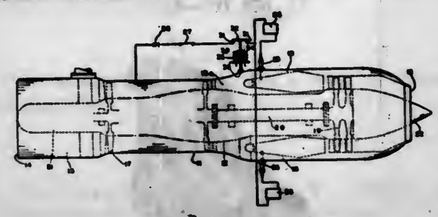
is less than the area of the surface of the drum, together with a thin flexible sheet 50 of rolled stainless steel positioned intermediate the drum and the printing plate, and covering the entire periphery of the drum, such sheet having a polished non-porous surface from which all greasy substances and all ferrous or other corrodible particles have been removed, and the sheet pas-



sivated by scouring as, for instance, with a paste made of powdered pumice and a nitric acid solution, so that the sheet will be non-ink receptive and unaffected by atmospheric oxidation or by the action of ink repellent solutions which may be applied to the printing plate, both the printing plate and the sheet being removably secured to the periphery of the drum by retaining devices 41 carried by the drum.

40,824. **GAS TURBINE APPARATUS.** Herbert L. Bansbach, Wynnewood, Pa., and Carl L. Sadler, Jr., Rockford, Ill., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed July 27, 1948. Published Sept. 4, 1951. Class 60—39.09. 1 sheet of drawings. 12 pages of specification.

The apparatus disclosed comprises an aircraft turbo jet engine having an annular combustion chamber 18, to which fuel may be supplied and ignited by operation of an ignition system including a pair of spark plugs 25. The ignition system further includes a pair of ignition units 26, cooperative with a battery 28, operative to supply surges of high frequency electrical energy adequate to break down the usual spark gaps of the spark plugs in the usual manner. Interposed in the ignition circuit is a control switch device 30, comprising a movable contact element 32 and a bellows diaphragm 33 operatively connected thereto. The bellows diaphragm 33 is biased for normally holding the movable contact element 32 in circuit-closed position and is subject to the pressure of air compressed by the compressor 17 during normal operation of the turbo jet engine for moving the contact element 32 to open the ignition circuit.



When the turbo jet engine is inoperative, the control switch device 30 thus maintains the ignition system available for operation to effect initial ignition of the fuel supplied to the combustion apparatus for starting the engine. Upon development of normal pressure after the engine has been started, the switch device 30 automatically effects deenergization of the ignition circuit, unless an undesired low pressure operating condition is encountered, in which case the switch device 30 will automatically reclose the ignition circuit for assuring continuous ignition and, consequently, uninterrupted combustion of fuel.

DESIGNS

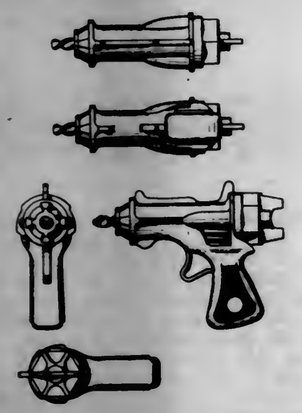
SEPTEMBER 4, 1951

164,397
LADY'S OVERSHOE
Robert Alpert, Malone, N. Y., assignor to Alba Footwear, Inc., Malone, N. Y., a corporation of New York
Application August 21, 1950, Serial No. 11,869
Term of patent 14 years
(Cl. D7—4)



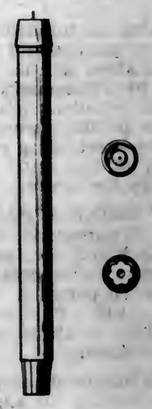
The ornamental design for a lady's overshoe, as shown.

164,398
TOY PROPELLER-EJECTING GUN
Joseph B. Barricks, Des Moines, Iowa
Application May 17, 1951, Serial No. 15,226
Term of patent 14 years
(Cl. D34—15)



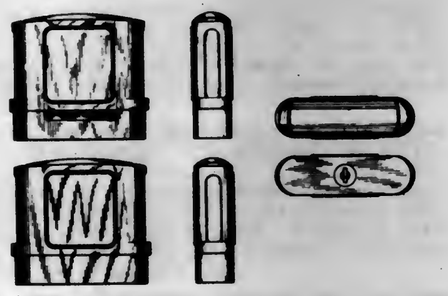
The ornamental design for a toy propeller-ejecting gun, substantially as shown.

164,399
CANDLEHOLDER
Norbert J. Baumer, East Orange, N. J., assignor to A. Gross Candle Company, Inc., Linden, N. J., a corporation of Delaware
Application July 28, 1950, Serial No. 11,440
Term of patent 14 years
(Cl. D48—2)



The ornamental design for a candleholder, substantially as shown and described.

164,400
COIN BANK
Oscar H. Brasier, Tacoma, Wash.
Application May 17, 1951, Serial No. 15,220
Term of patent 14 years
(Cl. D34—11)



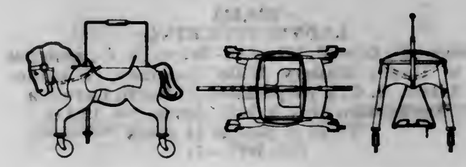
The ornamental design for a coin bank, as shown.

164,401
ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Marvin Caplan, Baltimore, Md., assignor to Oscar Caplan & Sons, Inc., Baltimore, Md., a corporation of Maryland
Application November 23, 1949, Serial No. 6,212
Term of patent 14 years
(Cl. D64—12)



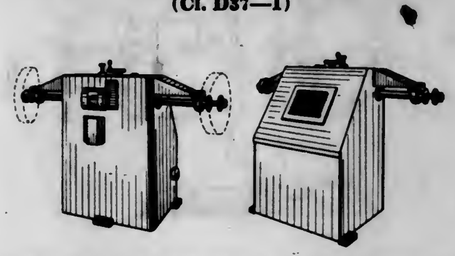
The ornamental design for an alphabet for forming monograms or the like, as shown and described.

164,402
TOT'S SCOOTER-STROLLER
James V. Card, La Grange, Tex.
Application June 30, 1950, Serial No. 10,848
Term of patent 14 years
(Cl. D14—14)



The ornamental design for a tot's scooter-stroller, as shown and described.

164,403
POLISHING MACHINE OR SIMILAR ARTICLE
Joseph N. Clyne, Indianapolis, Ind., assignor to Vonnegut Moulder Corporation, Indianapolis, Ind., a corporation
Application February 8, 1950, Serial No. 7,813
Term of patent 3½ years
(Cl. D37—1)



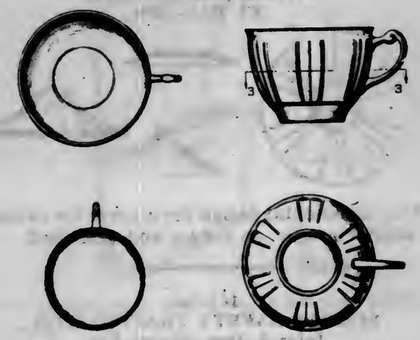
The ornamental design for a polishing machine or similar article, as shown and described.

164,404
CUP
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application December 6, 1949, Serial No. 6,455
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a cup, as shown and described.

164,405
CUP
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 11,131
Term of patent 14 years
(Cl. D44—9)



The ornamental design for a cup, as shown.

164,406
SUGAR BOWL
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 11,132
Term of patent 14 years
(Cl. D44—21)



The ornamental design for a sugar bowl, as shown.

164,407
CASSEROLE OR SIMILAR ARTICLE
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 11,135
Term of patent 14 years
(Cl. D44—10)



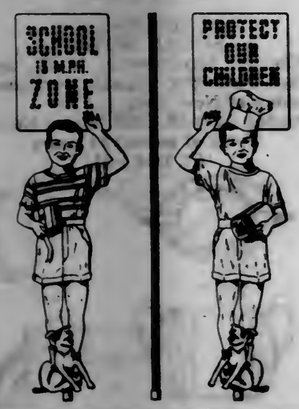
The ornamental design for a casserole or similar article, as shown and described.

164,408
COVER FOR CASSEROLE OR SIMILAR ARTICLE
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 11,136
Term of patent 14 years
(Cl. D44—15)



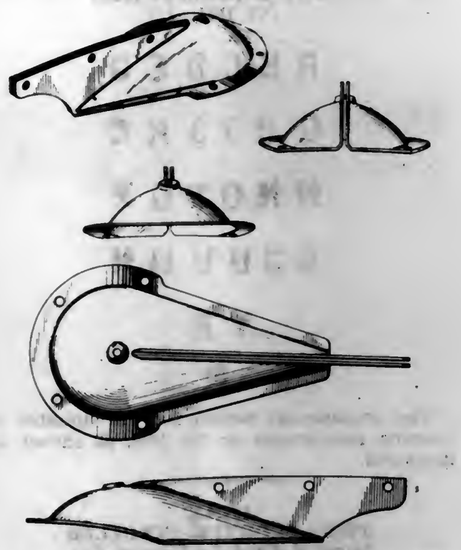
The ornamental design for a cover for casserole or similar article, as shown and described.

164,409
SCHOOL SAFETY TRAFFIC SIGN
John A. Dey, Miami, Fla.
Application March 1, 1951, Serial No. 14,351
Term of patent 7 years
(Cl. D72—1)



The ornamental design for a school safety traffic sign, substantially as shown and described.

164,410
AUTOMOBILE VISOR ROOF MOUNT BRACKET
Richard E. Dieterich, Long Beach, Ind.
Application February 8, 1951, Serial No. 14,137
Term of patent 14 years
(Cl. D14—6)



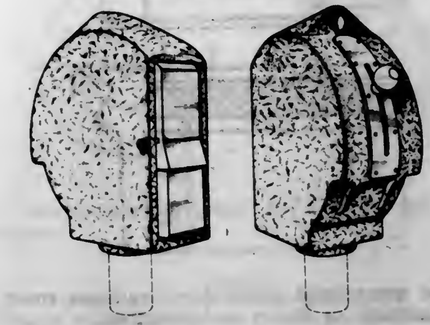
The ornamental design for an automobile visor roof mount bracket, substantially as shown.

164,411
LADY'S STOCKING
George D. Dowell, Winston-Salem, N. C., assignor to Hanes Hosiery Mills Company, Winston-Salem, N. C., a corporation of North Carolina
Application May 9, 1951, Serial No. 15,112
Term of patent 14 years
(Cl. D47—7)



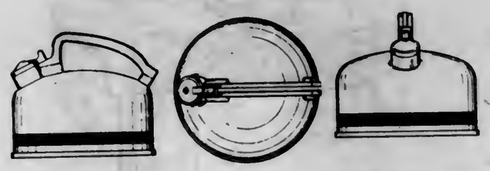
The ornamental design for a lady's stocking, as shown.

164,412
TICKET DISPENSER
John W. Edgemond, Jr., Los Altos, and Ellsworth W. Carroll, Redwood City, Calif., assignors to Catz and Weir, San Francisco, Calif., a copartnership
Application March 6, 1950, Serial No. 8,363
Term of patent 3½ years
(Cl. D52—3)



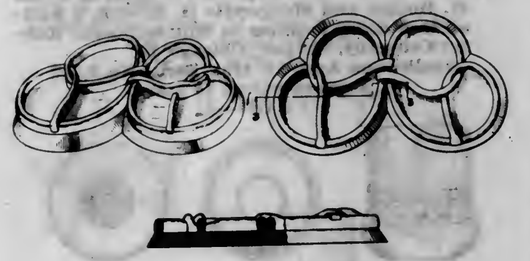
The ornamental design for a ticket dispenser, as shown and described.

164,413
TEAKETTLE
Leonard E. Finch, West Bend, Wis., assignor to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application October 7, 1949, Serial No. 5,345
Term of patent 14 years
(Cl. D44—25)



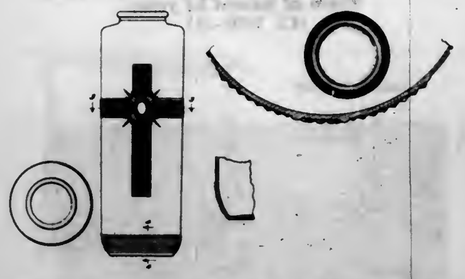
The ornamental design for a teakettle, as shown and described.

164,414
ASH TRAY
Matthew E. Gerlat, Milwaukee, Wis.
Application September 25, 1950, Serial No. 12,345
Term of patent 14 years
(Cl. D85—2)



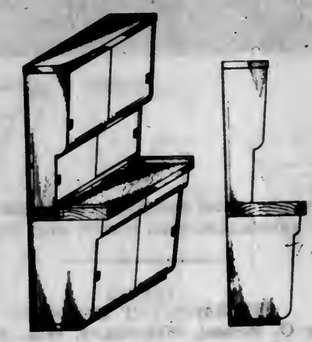
The ornamental design for an ash tray, as shown.

164,415
CONTAINER FOR CANDLES
Oscar D. Guilfoil, Jr., Syracuse, N. Y.
Application March 14, 1950, Serial No. 8,518
Term of patent 14 years
(Cl. D58—25)



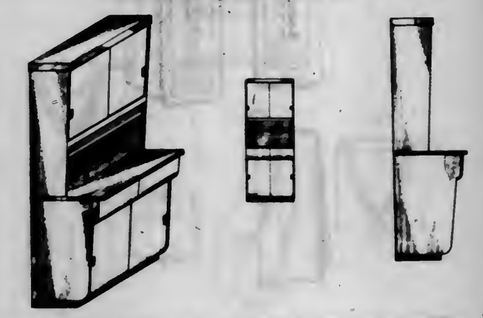
The ornamental design for a container for candles, as shown and described.

164,416
KITCHEN CABINET
Michael Hallward, Swampscott, Mass.
Application June 30, 1950, Serial No. 10,871
Term of patent 14 years
(Cl. D33—13)



The ornamental design for a kitchen cabinet, as shown.

164,417
KITCHEN CABINET
Michael Hallward, Swampscott, Mass.
Application June 30, 1950, Serial No. 10,872
Term of patent 14 years
(Cl. D33—13)



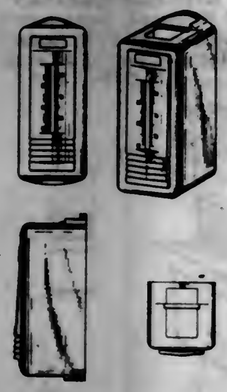
The ornamental design for a kitchen cabinet, as shown.

164,418
NAPKIN OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 26, 1951, Serial No. 14,627
Term of patent 14 years
(Cl. D59—2)



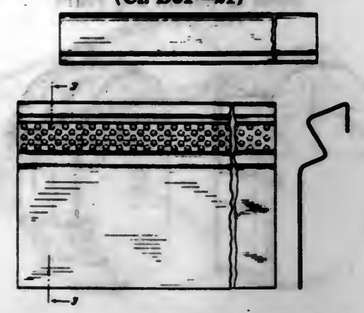
The ornamental design for a napkin or similar article, substantially as shown and described.

164,419
THERMOSTAT HOUSING
Andrew O. Hensel, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 15, 1950, Serial No. 13,448
Term of patent 14 years
(Cl. D62—7)



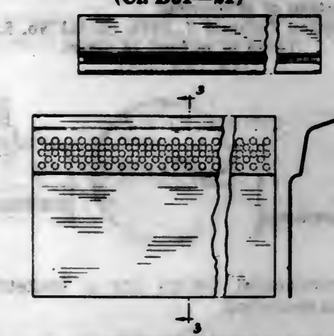
The ornamental design for a thermostat housing, substantially as shown.

164,420
RADIATOR COVER
Clare E. Hodgman, New York, N. Y., assignor to The Vulcan Radiator Company, Hartford, Conn., a corporation of Connecticut
Application April 13, 1950, Serial No. 9,182
Term of patent 14 years
(Cl. D81—21)



The ornamental design for a radiator cover, substantially as shown and described.

164,421
RADIATOR COVER
Clare E. Hodgman, New York, N. Y., assignor to The Vulcan Radiator Company, Hartford, Conn., a corporation of Connecticut
Application April 19, 1950, Serial No. 9,243
Term of patent 14 years
(Cl. D81—21)



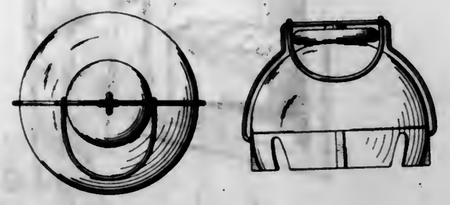
The ornamental design for a radiator cover, substantially as shown and described.

164,422
WATER FAUCET AERATOR
Orloff W. Holden, Chicago, Ill., assignor to Orloff W. Holden and Marguerite H. Holden, a partnership doing business as Knickerbocker Rubber Company, Not Inc., Chicago, Ill.
Application April 19, 1950, Serial No. 9,319
Term of patent 14 years
(Cl. D91—3)



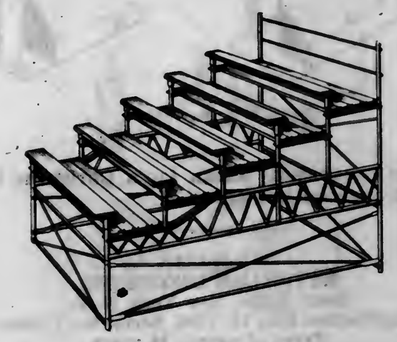
The ornamental design for a water faucet aerator, substantially as shown.

164,423
SIGNAL FLARE
Tyler Howell, Jonesville, Mich.
Application June 29, 1951, Serial No. 15,712
Term of patent 14 years
(Cl. D72—1)



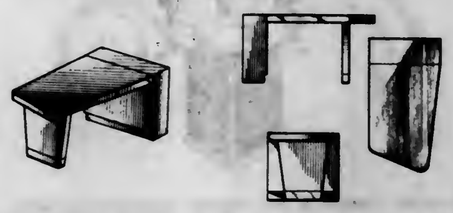
The ornamental design for a signal flare, as shown.

164,424
PORTABLE GRANDSTAND UNIT
Joseph Huck, Tenafly, N. J., assignor to The Patent Scaffolding Co., Inc., Long Island City, N. Y., a corporation of New York
Application October 1, 1948, Serial No. 148,899
Term of patent 14 years
(Cl. D54—1)



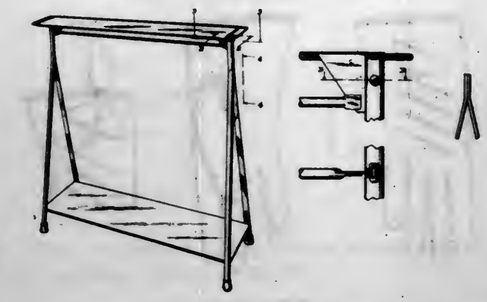
The ornamental design for a portable grandstand unit, substantially as shown.

164,425
DESK
Charles E. Jones, Chicago, Ill., assignor to Rockwell-Barnes Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1949, Serial No. 5,635
Term of patent 14 years
(Cl. D33—7)



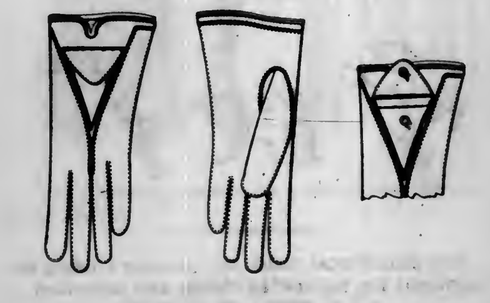
The ornamental design for a desk, substantially as shown.

164,426
CLOTHES RACK
Thomas J. Kelleher, Chicago, Ill.
Application May 16, 1950, Serial No. 9,970
Term of patent 3½ years
(Cl. D32—8)



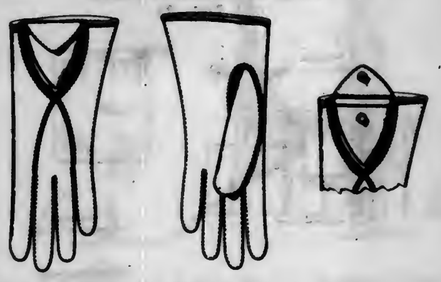
The ornamental design for a clothes rack, as shown.

164,427
GLOVE
Herman Kress, New York, N. Y.
Application January 19, 1951, Serial No. 13,877
Term of patent 3½ years
(Cl. D3—11)



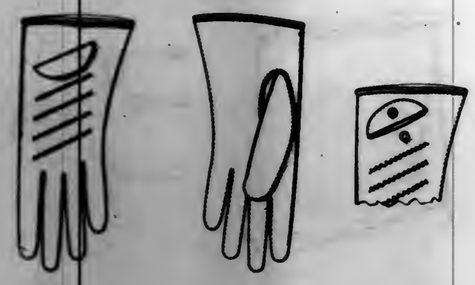
The ornamental design for a glove, as shown.

164,428
GLOVE
Herman Kress, New York, N. Y.
Application January 19, 1951, Serial No. 13,878
Term of patent 3½ years
(Cl. D3—11)



The ornamental design for a glove, as shown.

164,429
GLOVE
Herman Kress, New York, N. Y.
Application January 19, 1951, Serial No. 13,879
Term of patent 3½ years
(Cl. D3—11)



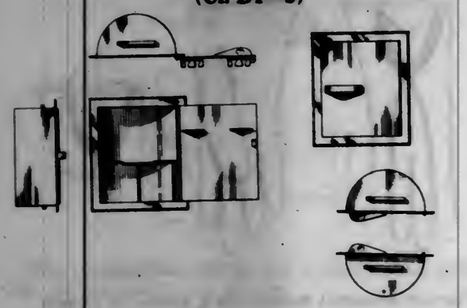
The ornamental design for a glove, as shown.

164,430
ORDER HOLDING ATTACHMENT FOR BOTTLES
Gordon H. Lawhorn, Ellerson, Va.
Application April 13, 1951, Serial No. 14,818
Term of patent 3½ years
(Cl. D58—26)

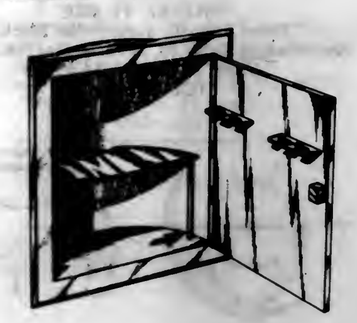


The ornamental design for an order holding attachment for bottles, as shown and described.

164,431
RECESSED BATHROOM FIXTURE OR SIMILAR ARTICLE
Carl A. Laystrom, Decatur, and Howard R. Sigler, Argenta, Ill., assignors, by mesne assignments, to Faries Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1948, Serial No. 147,194
Term of patent 14 years
(Cl. D4—3)

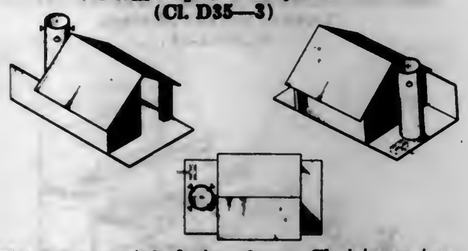


164,431—Continued



The ornamental design for a recessed bathroom fixture or similar article, as shown.

164,432
CHRISTMAS TREE STAND
Michael Letrent, Camden, N. J.
Application April 15, 1949, Serial No. 2,025
Term of patent 14 years
(Cl. D35—3)



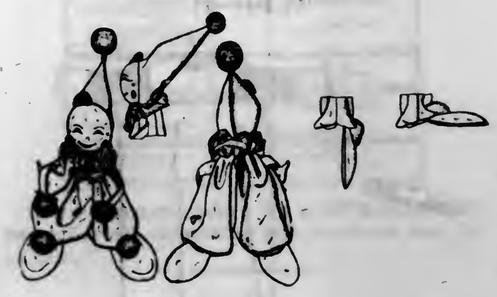
The ornamental design for a Christmas tree stand, as shown and described.

164,433
BEVERAGE DISPENSER
Jacob Levin, New York, N. Y.
Application July 12, 1950, Serial No. 11,088
Term of patent 14 years
(Cl. D2—3)



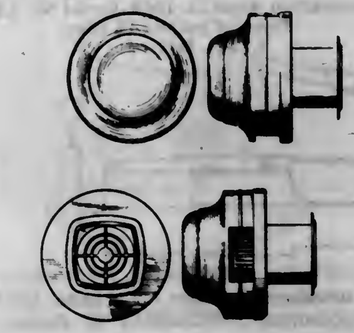
The ornamental design for a beverage dispenser, as shown and described.

164,434
DOLL
Caroline F. Lougaris, Reno, Nev.
Application December 4, 1950, Serial No. 13,265
Term of patent 14 years
(Cl. D34—4)



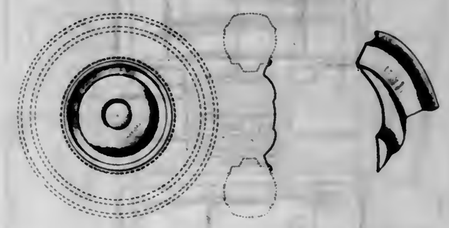
The ornamental design for a doll, as shown.

164,435
EXHAUST VENTILATING FAN UNIT
William Jack Lovelace, Indianapolis, Ind.
Application September 15, 1950, Serial No. 12,204
Term of patent 14 years
(Cl. D62—4)



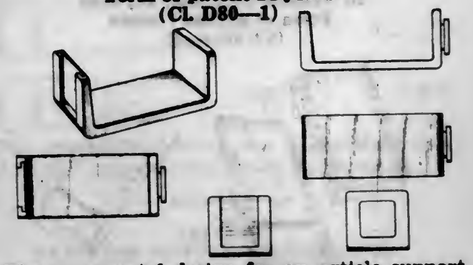
The ornamental design for an exhaust ventilating fan unit, as shown.

164,436
WHEEL COVER OR SIMILAR ARTICLE
George Albert Lyon, Detroit, Mich.
Application August 10, 1950, Serial No. 11,701
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a wheel cover or similar article, substantially as shown and described.

164,437
ARTICLE SUPPORT FOR A DISPLAY STAND
Joseph D. Marquis and Frederick W. Ehlert, Chicago, Ill., assignors to Curt Teich & Company, a corporation of Illinois
Application August 8, 1950, Serial No. 11,672
Term of patent 14 years
(Cl. D80—1)



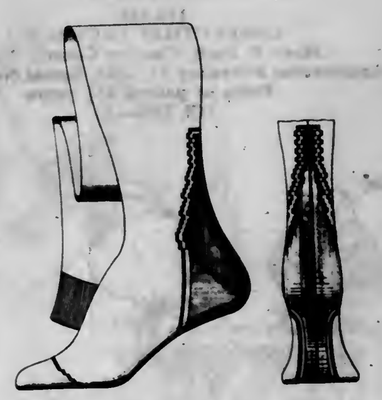
The ornamental design for an article support for a display stand, as shown.

164,438
GIRDLE
Milton Mayer, New York, N. Y., assignor to Vanity Corset Company, Inc., New York, N. Y., a corporation of New York
Application May 21, 1951, Serial No. 15,267
Term of patent 14 years
(Cl. D20—2)



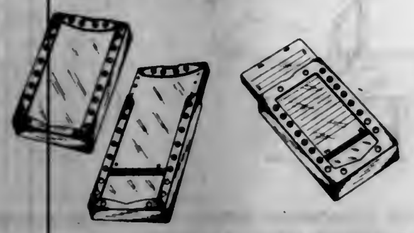
The ornamental design for a girdle, substantially as shown.

164,439
STOCKING
Julius Miran, Bronx, N. Y.
Application June 16, 1950, Serial No. 10,567
Term of patent 14 years
(Cl. D47—7)



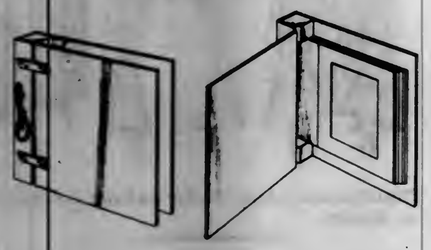
The ornamental design for a stocking, substantially as shown.

164,440
COMBINATION MEMORANDUM PAD AND HOLDER
Joseph Shannon Nicholson, Sydney, Nova Scotia, Canada
Application September 2, 1949, Serial No. 4,843
In Canada December 12, 1946
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a combination memorandum pad and holder, as shown.

164,441
PHOTOGRAPH ALBUM
Henry Orzechowski, Pawtucket, and Benjamin Orzechowski, Central Falls, R. I.
Application October 19, 1949, Serial No. 5,572
Term of patent 14 years
(Cl. D61—1)



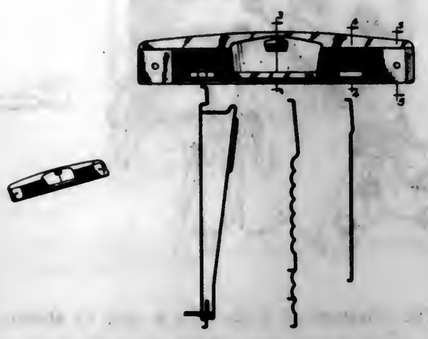
The ornamental design for a photograph album, as shown.

164,442
CONFECTION PACKAGE
Mary P. Park, Chester County, Pa.
Application February 27, 1951, Serial No. 14,325
Term of patent 3½ years
(Cl. D58—2)



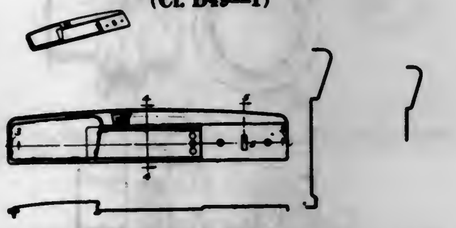
The ornamental design for a confection package, as shown.

164,443
PANEL FOR AUTOMATIC WASHING MACHINES OR THE LIKE
Nelson R. Peet, Jr., Syracuse, N. Y.
Application April 11, 1949, Serial No. 1,906
Term of patent 14 years
(Cl. D49—1)



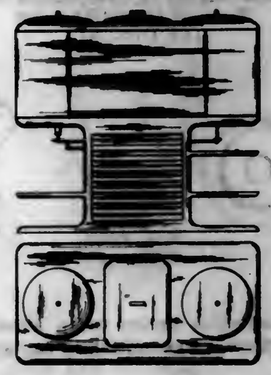
The ornamental design for a panel for automatic washing machines or the like, substantially as shown.

164,444
PANEL FOR HOUSEHOLD APPLIANCES
Nelson R. Peet, Jr., Syracuse, N. Y.
Application April 15, 1949, Serial No. 1,994
Term of patent 14 years
(Cl. D49—1)

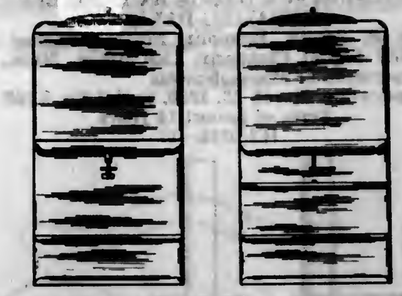


The ornamental design for a panel for household appliances, substantially as shown.

164,445
REFRIGERATED BUTTER AND CREAM DISPENSING UNIT
Ronald R. Perkins, Dallas, Tex.
Application March 14, 1950, Serial No. 8,512
Term of patent 14 years
(Cl. D2—3)



164,445—Continued



The ornamental design for a refrigerated butter and cream dispensing unit, as shown and described.

164,446
BIRDHOUSE
Louis Pogicin, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application May 11, 1950, Serial No. 9,885
Term of patent 14 years
(Cl. D31—2)



The ornamental design for a birdhouse, as shown.

164,447
HEATER CABINET
Samuel J. Price, Jr., Birmingham, Ala., assignor to Atlanta Stove Works, Inc., a corporation of Georgia
Application June 3, 1950, Serial No. 10,323
Term of patent 14 years
(Cl. D81—19)



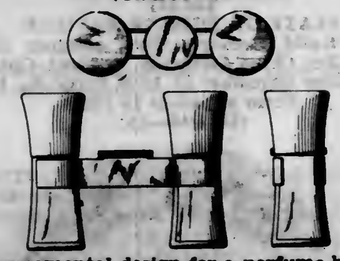
The ornamental design for a heater cabinet, substantially as shown.

164,448
COMBINED CAN AND BOTTLE OPENER
Harland R. Ransom, Detroit, Mich.
Application December 29, 1947, Serial No. 143,297
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combined can and bottle opener, substantially as shown.

164,449
PERFUME BOTTLE OR THE LIKE
Paul E. Roehrich, Rockville Centre, N. Y., assignor to Richford Corporation, New York, N. Y., a corporation of New York
Application October 31, 1950, Serial No. 12,793
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a perfume bottle or the like, substantially as shown.

164,450
MINIATURE ILLUMINABLE CHURCH
Frederick W. Rosenkranz and Helen M. Rosenkranz, Westwood, N. J.
Application August 29, 1950, Serial No. 11,984
Term of patent 14 years
(Cl. D29—1)



164,450—Continued



The ornamental design for a miniature illuminable church, as shown and described.

164,451
PLATE OR SIMILAR ARTICLE
George Rudd, Bedford, Ohio, assignor to The Walker China Company, Bedford, Ohio
Application December 15, 1950, Serial No. 13,449
Term of patent 14 years
(Cl. D44—15)



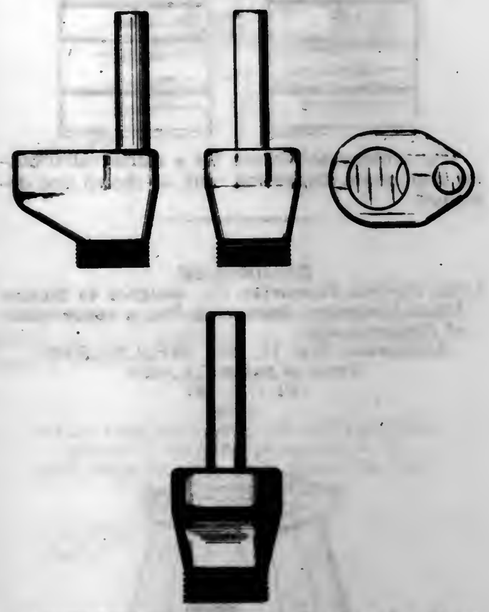
The ornamental design for a plate or similar article, substantially as shown and described.

164,452
RACK
Samuel S. Schiffer, New York, N. Y.
Application May 2, 1951, Serial No. 15,043
Term of patent 14 years
(Cl. D32—3)



The ornamental design for a rack, as shown.

164,453
HOUSING FOR GAUGE AND AUDIBLE SIGNALING DEVICE
Frank P. Scully, Belmont, Mass., assignor to Scully Signal Company, Cambridge, Mass., a corporation of Massachusetts
Application March 23, 1950, Serial No. 8,709
Term of patent 14 years
(Cl. D52—1)



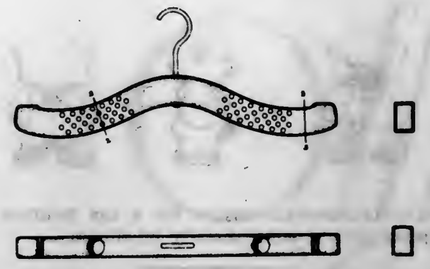
The ornamental design for a housing for gauge and audible signaling device, as shown.

164,454
RIDING TOY
Harry Sebel, London, England
Application March 22, 1950, Serial No. 8,706
Term of patent 14 years
(Cl. D34—15)



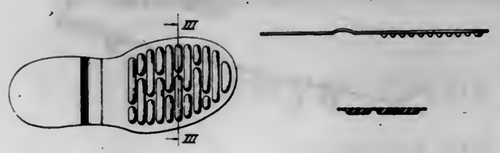
The ornamental design for a riding toy, as shown.

164,455
GARMENT HANGER OR SIMILAR ARTICLE
Cis Silver, New York, N. Y.
Application May 20, 1949, Serial No. 2,763
Term of patent 3½ years
(Cl. D80—3)



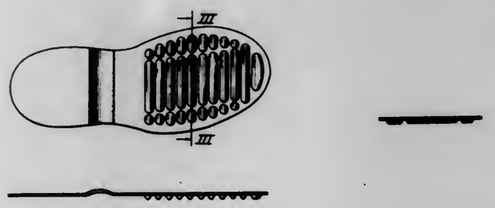
The ornamental design for a garment hanger or similar article, substantially as shown and described.

164,456
SHOE SOLE
Edward A. Sprigg, East Orange, N. J., assignor to David E. Crooker, Ontonogan, Mich., and Lloyd Felker, Marshfield, Wis.
Application June 28, 1950, Serial No. 10,805
Term of patent 14 years
(Cl. D7—5)



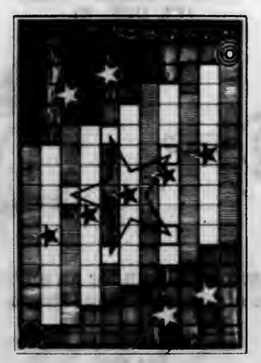
The ornamental design for a shoe sole, as shown.

164,457
SHOE SOLE
Edward A. Sprigg, East Orange, N. J., assignor to David E. Crooker, Ontonogan, Mich., and Lloyd Felker, Marshfield, Wis.
Application June 28, 1950, Serial No. 10,806
Term of patent 14 years
(Cl. D7—5)



The ornamental design for a shoe sole, as shown.

164,458
GAME BOARD
David L. Stackhouse, Warwick, R. I.
Application January 31, 1951, Serial No. 14,054
Term of patent 14 years
(Cl. D34—5)



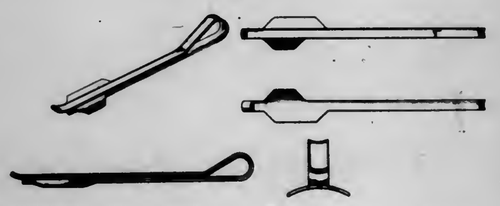
The ornamental design for a game board, as shown and described.

164,459
COMBINATION JAR AND BOTTLE OPENER
Bertrand E. Stolpe, Des Moines, Iowa
Application May 13, 1949, Serial No. 2,627
Term of patent 14 years
(Cl. D44—29)



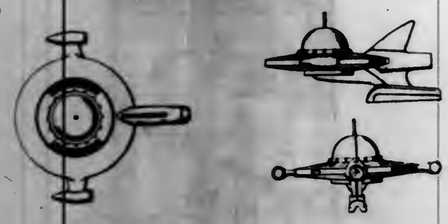
The ornamental design for a combination jar and bottle opener, substantially as shown.

164,460
HAIRPIN
Mirabeau C. Towns, Jr., Sparta, N. J.
Application May 5, 1949, Serial No. 2,447
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hair pin, as shown.

164,461
AUTOMOBILE HOOD ORNAMENT OR SIMILAR ARTICLE
Alexander S. Tremulis, Ypsilanti, Mich., assignor to Peter S. Pagratis & Associates, Chicago, Ill., a partnership
Application January 27, 1951, Serial No. 13,995
Term of patent 7 years
(Cl. D14—6)



The ornamental design for an automobile hood ornament or similar article, as shown.

164,462
ELECTRIC SOCKET AND TAP UNIT
Willard G. Tyler, Albany, Calif.
Application September 16, 1950, Serial No. 12,227
Term of patent 14 years
(Cl. D26—1)



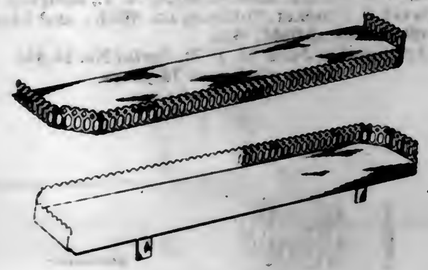
The ornamental design for an electric socket and tap unit, substantially as shown.

164,463
TOY FIGURINE OR SIMILAR ARTICLE
Constance Ray White, Beverly Hills, Calif.
Application November 9, 1950, Serial No. 12,920
Term of patent 7 years
(Cl. D34—2)



The ornamental design for a toy figurine or similar article, substantially as shown.

164,464
WINDOW SHELF OR SIMILAR ARTICLE
Karl T. Wright, Cuyahoga Falls, Ohio
Application December 22, 1949, Serial No. 6,776
Term of patent 14 years
(Cl. D33—3)



The ornamental design for a window shelf or similar article, as shown and described.

September 11, 1951 Volume 650 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

AP Parts Corporation, The, Toledo, Ohio. Coating materials. Serial No. 607,371, Sept. 11. Class 6.

A/S Ferrosan, Copenhagen, Denmark. Sponges. Serial No. 607,212, Sept. 11. Class 44.

Abercrombie & Fitch Company, New York, N. Y. Chronometers and watches. Serial No. 587,781, Sept. 11. Class 27.

Acme School of Die Design Engineering, Inc., South Bend, Ind. Correspondence school lessons. Serial No. 606,961, Sept. 11. Class 38.

Acrow (Engineers) Limited, London, England. Scaffolding, clips and putlogs. Serial No. 566,445, Sept. 11. Class 50.

Advance Research Corp., Chicago, Ill. Laxative. Serial No. 605,705, Sept. 11. Class 18.

Airborne Instruments Laboratory, Inc., Mineola, N. Y. Engineering and research services. Serial No. 559,667, Sept. 11. Class 100.

Albany Corrugated Container Corporation, Cohoes, N. Y. Collapsible, corrugated cardboard preformed packs. Serial No. 587,228, Sept. 11. Class 2.

Aldens, Inc., Chicago, Ill. Living room, kitchen, dining room, and bedroom furniture. Serial No. 605,781, Sept. 11. Class 32.

Allied Chemical & Dye Corporation, New York, N. Y. Dyeing compositions. Serial No. 587,927, Sept. 11. Class 6.

Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Parenteral solution of amphetamine sulfate. Serial No. 569,419, Sept. 11. Class 18.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric motors, electric generators, circuit breakers, etc. Serial No. 604,947, Sept. 11. Class 21.

Amalgamated Sugar Company, The, Ogden, Utah. Blend of sucrose and corn syrup. Serial No. 607,657, Sept. 11. Class 46.

American Dietaids Company, Inc., Yonkers, N. Y. Preparation in tablet form for the treatment of constipation. Serial 608,909, Sept. 11. Class 18.

American District Steam Company, Inc., North Tonawanda, N. Y. Expansion joints. Serial No. 602,877, Sept. 11. Class 13.

American District Steam Company, Inc., North Tonawanda, N. Y. Expansion joints and radiator valves. Serial No. 602,878, Sept. 11. Class 13.

American Jewelry Distributors, Inc., New York, N. Y. Watches. Serial No. 608,096, Sept. 11. Class 27.

American Trading Stamp Company, Lincoln, Nebr. and elsewhere. Trading stamps. Serial No. 606,846, Sept. 11. Class 38.

Anchor Coupling Company, Inc., Libertyville, Ill. Industrial hose couplings and fittings. Serial No. 585,557, Sept. 11. Class 13.

Armour and Company, Chicago, Ill. Dressed calves. Serial No. 584,887, Sept. 11. Class 46.

Asbestos Limited, Inc., Millington, N. J., now by change of name Smith Asbestos Products, Inc. Asbestos siding and shingles. Serial No. 564,920, Sept. 11. Class 12.

Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Frozen fresh green peas. Serial No. 606,358, Sept. 11. Class 46.

B. B. Chemical Co., Boston, Mass. Flocked textile fabrics. Serial No. 589,497, Sept. 11. Class 42.

Baker-Roos, Inc., Indianapolis, Ind. Adjustable shores. Serial No. 606,965, Sept. 11. Class 12.

Baton Rouge Rice Mill, Inc., Baton Rouge, La. Milled rice. Serial No. 606,115, Sept. 11. Class 46.

Belnap & Thompson, Inc., Chicago, Ill. Merchandise catalog. Serial No. 582,939, Sept. 11. Class 38.

Benet Drug Corporation, The, Cincinnati, Ohio. Preparation applied to the skin and the scalp. Serial No. 607,372, Sept. 11. Class 18.

Benton Clay Co., Casper, Wyo. Bentonite. Serial No. 608,054, Sept. 11. Class 1.

Berkeley Industries, Jersey City, N. J. Racks. Serial No. 585,911, Sept. 11. Class 13.

Best & Co., Inc., New York, N. Y. Women's, children's, and men's hats. Serial No. 584,953, Sept. 11. Class 39.

Better Packages, Incorporated, Shelton, Conn. Envelope, label and gummed tape moistener. Serial No. 592,246, Sept. 11. Class 37.

Blau, Joseph, doing business as Tone Professional Products, New York, N. Y. Sedative anodyne and palatable expectorant. Serial No. 607,841, Sept. 11. Class 18.

Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Plastic composition floor covering. Serial No. 593,528, Sept. 11. Class 20.

Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Felt base, linoleum and composition floor coverings and rugs. Serial No. 601,349, Sept. 11. Class 20.

Botany Mills, Inc., Passaic, N. J. Woolen piece goods. Serial No. 612,530, Sept. 11. Class 42.

Boyd, William, Beverly Hills, Calif. Domestic radio receiving sets. Serial No. 606,120, Sept. 11. Class 21.

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 547,890, Sept. 11. Class 46.

Bride's Hope Chest Diamond Company, Tiffin, Ohio. Diamonds, diamond rings and mountings of diamonds. Serial No. 608,531, Sept. 11. Class 28.

Brown, L. L., Paper Company, Adams, Mass. Writing paper. Serial No. 601,302, Sept. 11. Class 37.

Burge, Robert S., doing business as S. W. Flower Company, Toledo, Ohio. Lawn seeds. Serial No. 607,843, Sept. 11. Class 1.

Burglamp Electric Manufacturing Co.: *See*—
Cartier, Morgan E.

Burrowes Corporation, The, Portland, Maine. Combination windows. Serial No. 605,195, Sept. 11. Class 12.

Bymart, Inc., Dover, Del., and New York, N. Y. Home hair coloring. Serial No. 596,557, Sept. 11. Class 51.

Byrum Lithographing Co.: *See*—
Byrum, Milliken C.

Byrum, Milliken C., doing business as Byrum Lithographing Co., Columbus, Ohio. Photograph trim indicators. Serial No. 609,120, Sept. 11. Class 26.

California Fabric Co., Los Angeles, Calif. Woven fabric. Serial No. 591,830, Sept. 11. Class 42.

Carco Products Company, Chicago, Ill. Automobile floor mats and accelerator pedal pads. Serial No. 607,115, Sept. 11. Class 19.

Carolina Yam Distributors: *See*—
Levin, Meyer M.

Carrier Engineering Company Limited, London, England. Metal preservative preparations. Serial No. 567,498, Sept. 11. Class 6.

Carter, William, Company, The, Needham Heights, Mass. Women's and children's union suits, under vests and under pants. Serial No. 608,196, Sept. 11. Class 39.

Cartier, Morgan E., doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich. Electric lamps. Serial No. 598,574–5, Sept. 11. Class 21.

Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. Serial No. 608,272, Sept. 11. Class 18.

Catalina, Inc., Los Angeles, Calif. Sweaters. Serial No. 575,326, Sept. 11, 1951. Class 39.

Caulk, L. D., Company, The, Milford, Del. Dental plate blanks. Serial No. 602,823, Sept. 11. Class 44.

Caulk, L. D., Company, The, Milford, Del. Acrylic resin denture material. Serial No. 602,824, Sept. 11. Class 44.

Central Undergarment Inc., New York, N. Y. Ladies' and children's slips, nightgowns, pajamas, etc. Serial No. 567,851, Sept. 11. Class 39.

Centrotex, Prague, Czechoslovakia. Men's, women's, misses', children's, and infants' outerwear, underwear, etc. Serial No. 580,378, Sept. 11. Class 39.

Certain-teed Products Corporation, Ardmore, Pa. Shingles. Serial No. 602,545, Sept. 11. Class 12.

Certain-teed Products Corporation, Ardmore, Pa. Molding or casting plaster. Serial No. 602,546, Sept. 11. Class 12.

Chadbourne Hosiery Mills, Incorporated, Charlotte, N. C. Women's hosiery. Serial No. 602,139, Sept. 11. Class 39.

Chagin, G., & Cia: *See*—
Chagin, Gabriel.

Chagin, Gabriel, doing business as G. Chagin & Cia., Barranquilla, Colombia. Toilet preparation. Serial No. 588,358, Sept. 11. Class 51.

Chap Stick Co.: *See*—
Morton Manufacturing Corp.

Charles of The Ritz, Inc., New York, N. Y. Toilet water. Serial No. 585,427, Sept. 11. Class 51.

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Lipstick and nail lacquer. Serial No. 587,247, Sept. 11. Class 51.

Children's Hospital of Philadelphia, The, Philadelphia, Pa. Serums. Serial No. 585,830, Sept. 11. Class 18.

Choice Foods, Inc., Minneapolis, Minn. Prepared doughnut mix. Serial No. 608,147, Sept. 11. Class 46.

Clairol Incorporated, Stamford, Conn. Hair tinting and coloring preparations. Serial No. 604,419, Sept. 11. Class 51.

Cleenx Co., The, Alexandria, La. Pine oil liquid disinfectant. Serial No. 586,236, Sept. 11. Class 6.

Clersanges, Societe a Responsabilite Limitee, Colombes, Seine, France. Perfume, cologne, toilet water, etc. Serial No. 597,666, Sept. 11. Class 51.
Clow, James B., & Sons, Chicago, Ill. Gas-fired unit heaters. Serial No. 566,972, Sept. 11. Class 34.
Clow, James B., & Sons, Chicago, Ill. Metal pipe and fittings. Serial No. 572,484, Sept. 11. Class 13.
Coating Materials Laboratories, Inc., Belleville, N. J. Paints. Serial No. 601,864, Sept. 11. Class 16.
Colorado Fuel and Iron Corporation, The, Denver, Colo. Spring wire. Serial No. 613,559, Sept. 11. Class 14.
Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial No. 549,888, Sept. 11. Class 104.
Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. Serial No. 549,894, Sept. 11. Class 104.
Conkey, G. E., Co., Cleveland, Ohio. Dog food. Serial No. 607,540, Sept. 11. Class 46.
Consumers Oil Company, New York, N. Y. Lubricating oils and fuel oil. Serial No. 602,826, Sept. 11. Class 15.
Cornell Wood Products Company, Milwaukee, Wis. Paper board. Serial No. 589,841, Sept. 11. Class 37.
Coward Shoe, Inc., The, New York, N. Y. Men's, women's, boys', and girls' shoes. Serial No. 568,043, Sept. 11. Class 39.
Crispo Biscuit Company, Inc., Clifton, N. J. Wafer, cakes, crackers, and biscuits. Serial No. 592,311, Sept. 11. Class 46.
Crock of Gold, Ltd., The, Blackrock, Eire. Woven woolen goods. Serial No. 562,768, Sept. 11. Class 42.
Cromble, J. & J., Limited, Woodside, Aberdeen, Scotland. Piece goods. Serial No. 588,746, Sept. 11. Class 42.
Crouse-Hinds Company, Syracuse, N. Y. Electrical conduit fittings. Serial No. 610,493, Sept. 11. Class 21.
Cudahy Brothers Co., doing business under the name and style of "Cudahy of Cudahy," Cudahy, Wis. Smoked pork sausage. Serial No. 603,770, Sept. 11. Class 46.
"Cudahy of Cudahy": *See*—
Cudahy Brothers Co.
Dani Company: *See*—
Daniele, Leonardo A.
Daniele, Leonardo A., doing business as Dani Company, Williamsport, Pa. Medicated cream. Serial No. 585,784, Sept. 11. Class 51.
Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Prepared fish. Serial No. 585,435, Sept. 11. Class 46.
Delsey Products, Inc., Dearborn, Mich. Cream food product. Serial No. 579,586, Sept. 11. Class 46.
Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Periodical publication. Serial No. 559,459, Sept. 11. Class 38.
Diamond Match Company, The, New York, N. Y. Dishes. Serial No. 588,279, Sept. 11. Class 2.
Di Carlo, Benny, also doing business under the name and style of Di Carlo Importing Co., Brooklyn, N. Y. Canned edible olive oil. Serial No. 554,653, Sept. 11. Class 46.
Di Carlo Importing Co.: *See*—
Di Carlo, Benny.
Dollar, Robert, Company, The, also doing business as Heintz & Kaufman Division, San Francisco, Calif. Radio transmitters and receivers and parts therefor. Serial No. 611,365, Sept. 11. Class 21.
Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, brassières and foundation garments. Serial No. 596,374, Sept. 11. Class 39.
Douglas Aircraft Company, Inc., Santa Monica, Calif. Airplanes and parts thereof. Serial No. 595,312, Sept. 11. Class 19.
East Asiatic Company, Inc., The, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. Serial No. 589,844, Sept. 11. Class 46.
Empco Manufacturing Co., assignor to Empco Manufacturing Co., Atlantic City, N. J. Proportioning rule. Serial No. 558,557, Sept. 11. Class 26.
Emporium, The: *See*—
Emporium Capwell Company, The.
Emporium Capwell Company, The, doing business as The Emporium, San Francisco, Calif. Bedspreads, blankets, comforters, etc. Serial No. 586,745, Sept. 11. Class 42.
Emporium World Millinery Co., Chicago, Ill. Ladies' hats. Serial Nos. 606,520–1, Sept. 11. Class 39.
Farm Bureau Cooperative Association, Inc., The, Columbus, Ohio. Pure wheat bran, standard middlings, etc. Serial No. 541,657, Sept. 11. Class 46.
Fearn Laboratories, Inc., Franklin Park, Ill. Canned soups and soup bases, etc. Serial No. 531,203, Sept. 11. Class 46.
Fernando Canning Company, Inc., San Fernando, Calif. Canned tomatoes. Serial No. 569,443, Sept. 11. Class 46.
Ferro Chemical Corporation, Bedford, Ohio. Synthetic detergents. Serial No. 591,077, Sept. 11. Class 52.
Fields, Marion, Beverly Hills, Calif. Perfumes and toilet waters. Serial No. 597,258, Sept. 11. Class 51.
Foremost Dairies, Inc., Jacksonville, Fla. Ice cream bars. Serial No. 605,948, Sept. 11. Class 46.
Gem Rubber Corporation, New York, N. Y. Doll's accessory. Serial No. 596,277, Sept. 11. Class 22.
Gem-O-Graph Company, The, assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Display and advertising devices. Serial No. 588,640, Sept. 11. Class 50.
Gem-O-Graph Corporation of America, Inc.: *See*—
Gem-O-Graph Company, The.
General Bronze Corporation, Garden City, N. Y. Soldering material. Serial No. 610,678, Sept. 11. Class 14.
General Ceramics and Steatite Corporation, Keasbey, N. J. Shaped ceramic ferromagnetic materials. Serial No. 588,295, Sept. 11. Class 21.
General Finance Corporation, Chicago, Ill. Automobile purchase finance and loan services. Serial No. 494,501, Sept. 11. Class 102.
General Manufacturing and Distributing Company, Quincy, Mich. Electric water heaters. Serial No. 570,200, Sept. 11. Class 21.
Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Hardwood plywood decorative panel. Serial No. 602,393, Sept. 11. Class 12.
Gettelfinger, Joseph A., Cincinnati, Ohio. Hand brackets. Serial No. 583,600, Sept. 11. Class 13.
Gilberg Bros., Philadelphia, Pa. Children's dresses. Serial No. 605,454, Sept. 11. Class 39.
Glaser, Crandell Co., Chicago, Ill. Fruit preserves, jellies and marmalades, etc. Serial No. 587,944, Sept. 11. Class 46.
Glens Falls Insurance Company, Glens Falls, N. Y. Underwriting fire, marine and casualty insurance. Serial No. 567,739, Sept. 11. Class 102.
Goddard & Co., Sidney, Vancouver Island, British Columbia, Canada. Chemical compositions. Serial No. 606,865, Sept. 11. Class 11.
Goldwater Bros., New York, N. Y. Pillow covers, blanket covers and mattress covers. Serial No. 581,591, Sept. 11. Class 42.
Goodenow-Morley Company, Oklahoma City, Okla. Water or waterless hand cleaning preparation. Serial No. 607,588, Sept. 11. Class 52.
Good Humor Corporation, Brooklyn, N. Y. Frozen confection bars. Serial No. 599,869, Sept. 11. Class 46.
Graphic Arts Disability Plan, Inc., New York, N. Y. Underwriting of hospitalization and health and accident insurance. Serial No. 588,798, Sept. 11. Class 102.
Greenspan, Phillip J., Inc., New York, N. Y. Electrical lamps and lamp shades. Serial No. 598,417, Sept. 11. Class 21.
Grimlock Sales, Chicago, Ill. Collapsible, paperboard, food boxes. Serial No. 558,785, Sept. 11. Class 2.
Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. Serial No. 603,237, Sept. 11. Class 37.
H. & D. Co., Waco, Tex. Cotton thermal insulating material. Serial No. 541,417, Sept. 11. Class 12.
H P Coffee Company, St. Louis, Mo. Coffee. Serial No. 567,144, Sept. 11. Class 46.
Halo-Star Corporation, Oak Park, Ill. Candy. Serial No. 593,000, Sept. 11. Class 46.
Halstead, James, Limited, Whitefield, Manchester, England. Plastic floor coverings. Serial No. 596,164, Sept. 11. Class 20.
Hamilton Foundry & Machine Company, The, Hamilton, Ohio. Gray and white iron castings. Serial No. 606,941, Sept. 11. Class 14.
Heilbro Pharmacal Company: *See*—
Heilpern, Sol.
Heilpern, Sol, doing business under the trade name Heilbro Pharmacal Company, White Plains, N. Y. Vitamin preparation. Serial No. 607,126, Sept. 11. Class 18.
Heintz & Kaufman Division: *See*—
Dollar, Robert, Company, The.
Heloisa Societe Anonyme, Longeau, Berne, Switzerland. Watches and watch movements. Serial No. 605,585, Sept. 11. Class 27.
Hesperi Company: *See*—
Orpro Food Products Company, Inc.
Hi-Jolly Date Gardens: *See*—
Skolnick, Max.
Hillyard Chemical Company, St. Joseph, Mo. Electrically operated floor scrubbing and polishing machines. Serial No. 591,927, Sept. 11. Class 21.
Hillyard Chemical Company, St. Joseph, Mo. Electrically operated floor surface treating machines. Serial No. 591,928, Sept. 11. Class 21.
Hockaday, Inc., Chicago, Ill. Roof cement and calking cements. Serial No. 608,002, Sept. 11. Class 12.
Hoelzer, C. Fritz, New York, N. Y. Conservation of paintings. Serial No. 529,755, Sept. 11. Class 103.
Homemaker Products: *See*—
Wilson, Kenneth R.
Hootstein, Sam, & Sons, Inc., Boston, Mass. Men's suits, slacks, jackets, top coats, etc. Serial No. 607,591, Sept. 11. Class 39.
Horton & Converse, Los Angeles, Calif. Disinfectant, germicidal preparation. Serial No. 583,800, Sept. 11. Class 18.
Hudnut, Richard: *See*—
Chen Yu, Inc.
Hudnut, Richard, New York, N. Y. Rouge and creme makeup base. Serial No. 597,959, Sept. 11. Class 51.
Hudson Pulp & Paper Corporation, Portland, Maine, and New York, N. Y. Paper bags. Serial No. 551,801, Sept. 11. Class 2.
Huey Seed Company, Carthage, Ill. Field seeds. Serial No. 582,785, Sept. 11. Class 1.
Hydrolock Manufacturing Inc., The, Mansfield, Ohio. High pressure air coupling. Serial No. 570,704, Sept. 11. Class 13.

Illinois Tool Works, Chicago, Ill. Electric terminals. Serial No. 586,487, Sept. 11. Class 21.
Imperial Garden Growers, El Centro, Calif. Fresh melons. Serial No. 523,673, Sept. 11. Class 46.
Industrial Asphalt Company: *See*—
McSwain, John F.
Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Chilled steel globules. Serial No. 612,329, Sept. 11. Class 14.
Inter-State Oil Co., Kansas City, Kans. Motor lubricating oil. Serial No. 541,681, Sept. 11. Class 15.
Iowa Manufacturing Company, Cedar Rapids, Iowa. Road material handling equipment. Serial No. 594,646, Sept. 11. Class 23.
Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. Serial No. 539,957, Sept. 11. Class 46.
Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. Serial No. 608,038, Sept. 11. Class 28.
Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. Serial No. 608,040, Sept. 11. Class 28.
Jaeger Company, Limited, The, London, England. Infants' underwear. Serial No. 581,770, Sept. 11. Class 39.
Javor, George, Chicago, Ill. Repairing cracked castings. Serial No. 527,389, Sept. 11. Class 103.
Jefferson Standard Broadcasting Company, doing business as Radio Station WBT. Advertising and entertainment services. Serial No. 556,893, Sept. 11. Class 101.
Jensen, Georg, Inc., New York, N. Y. Children's clothing. Serial No. 504,365, Sept. 11. Class 39.
Jergens, Andrew, Company, The, Cincinnati, Ohio. Tooth powder. Serial No. 592,637, Sept. 11. Class 51.
Johns-Manville Corporation, New York, N. Y. Plastic floor tile. Serial No. 569,207, Sept. 11. Class 12.
Jordan, Marsh Company, Boston, Mass. Vitamin preparations, laxatives, germicides, etc. Serial No. 585,176, Sept. 11. Class 18.
Karseal Corporation, Los Angeles, Calif. Automobile body polish. Serial No. 589,514, Sept. 11. Class 4.
Kaye-Tex Manufacturing Corp., New York, N. Y. Plastic film. Serial No. 590,160, Sept. 11. Class 50.
Keller Products, Inc., Cleveland, Ohio. Flexible sealing strips. Serial No. 608,459, Sept. 11. Class 12.
Kelly-Koett Manufacturing Company, The, Covington, Ky. Photofluorographic X-ray machines. Serial No. 516,201, Sept. 11. Class 26.
King Coffee, Inc., Detroit, Mich. Tea, coffee, hot chocolate powder and gelatin powder. Serial No. 566,153, Sept. 11. Class 46.
Kingston Watch Company, New York, N. Y. Men's and women's watches. Serial No. 608,554, Sept. 11. Class 27.
Kirchoff, August C., & Co., Chicago, Ill. Cheese. Serial No. 607,130, Sept. 11. Class 46.
Kleinzway, Inc., Chicago, Ill. Cleaning of furs and fur garments. Serial No. 609,765, Sept. 11. Class 103.
Knoke, H. C., and Company, Chicago, Ill. Dried split peas, whole peas, beans, etc. Serial No. 550,328, Sept. 11. Class 46.
Kohnstamm, H., & Co., Inc., New York, N. Y. Food colors. Serial No. 593,417, Sept. 11. Class 46.
Kwan Yick Fireworks Company: *See*—
Tong, Tang B.
Laboratoires Om Societe Anonyme, Geneva, Switzerland. Pharmaceutical products. Serial No. 593,877, Sept. 11. Class 18.
Lazarus, A. S., & Co., Inc., New York, N. Y., assignee, by mesne assignments, of A. S. Lazarus & Co., Inc. Toy rattles, roly poly toys. Serial No. 451,628, Sept. 11. Class 22.
Lee Paper Company, Vicksburg, Mich. Rag content writing paper and letterheads. Serial No. 515,119, Sept. 11. Class 37.
Levin, Meyer M., doing business as Carolina Yam Distributors, Williamston, N. C. Fresh sweet potatoes. Serial No. 596,034, Sept. 11. Class 46.
Liebergall, Joseph, & Co., New York, N. Y. Mink skins. Serial No. 607,388, Sept. 11. Class 1.
Lietz, A., Co., The, San Francisco, Calif. Drafting boards. Serial No. 583,157, Sept. 11. Class 26.
Lowe, Joe, Corporation, New York, N. Y. Bags. Serial No. 608,280, Sept. 11. Class 2.
Maass, William T., doing business as "Mass-Matic" Record Service, Phoenix, Ariz. Partially printed record forms. Serial No. 606,617, Sept. 11. Class 37.
MacEslin & Co.: *See*—
MacEslin, D. R.
MacEslin, D. R., trading as MacEslin & Co., York, Pa. Medicinal preparation. Serial No. 596,502, Sept. 11. Class 18.
Maconochie Brothers, Limited, London, England. Preserved fish, canned veal and beef roll, etc. Serial No. 583,703, Sept. 11. Class 46.
Madison Products Co. Inc., East Greenwich, R. I. Valves, pipe hangers, and pipe supports. Serial No. 603,484, Sept. 11. Class 13.
Manning, Maxwell & Moore, Incorporated, New York, N. Y. Injectors for feeding water into boilers. Serial No. 614,211, Sept. 11. Class 23.
Marvin-Neitzel Corporation, Troy, N. Y. Monthly publications. Serial No. 597,345, Sept. 11. Class 38.
"Mass-Matic" Record Service: *See*—
Maass, William T.
Masurel Worsted Mills, Inc., Woonsocket, R. I. Yarns. Serial No. 610,374, Sept. 11. Class 43.
Mayer, Oscar, & Co., Inc., Chicago, Ill. Ham, bacon, lard, fresh pork, etc. Serial No. 590,607, Sept. 11. Class 46.
McBride's: *See*—
Taylor, Marion M.
McMath, John N., Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Face and hand lotions, creams, powder, etc. Serial No. 598,663, Sept. 11. Class 51.
McSwain, John F., doing business as Industrial Asphalt Company, Berkeley, Calif. Asphaltic sealing compounds. Serial No. 583,438, Sept. 11. Class 12.
Mead Johnson & Company, Evansville, Ind. Food product. Serial No. 586,418, Sept. 11. Class 46.
Mendelson, Palmer C., Co., San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 592,773, Sept. 11. Class 46.
Milprint, Inc., Milwaukee, Wis. Printed, engraved and blank correspondence paper and stationery. Serial No. 573,729, Sept. 11. Class 37.
Milton Roy Company, Philadelphia, Pa. Air cylinder powered measuring pump. Serial No. 599,194, Sept. 11. Class 26.
Miro Container Company, Inc., Brooklyn, N. Y. Liquid tight food cartons. Serial No. 553,503, Sept. 11. Class 2.
Monark Silver King, Inc., Chicago, Ill. Bicycles. Serial Nos. 598,667–8, Sept. 11. Class 19.
Monroe Calculating Machine Company, Inc., Orange, N. J. Instructional booklets and lesson sheets. Serial No. 584,341, Sept. 11. Class 38.
Morton Manufacturing Corp., doing business under the name and style of Chap Stick Co. Liquid shaving cream. Serial No. 603,495, Sept. 11. Class 51.
Morton Salt Company, Chicago, Ill. Salt brick. Serial No. 537,812, Sept. 11. Class 46.
Mueller Co., Decatur, Ill. Automatic controls for hot water heating systems. Serial No. 545,155, Sept. 11. Class 13.
Mulco, S. A., La Chaux de-Fonds, Switzerland. Watches and parts of watches. Serial No. 572,194, Sept. 11. Class 27.
National Association of Sanitarians, Los Angeles, Calif. Periodical publication. Serial No. 592,682, Sept. 11. Class 38.
Nelson, Swain, Company, Glenview, Ill. Optical lenses and devices. Serial No. 559,188, Sept. 11. Class 26.
New Jersey Zinc Company, The, New York, N. Y. Die casting alloy. Serial No. 613,304, Sept. 11. Class 14.
Nion Corporation, Los Angeles, Calif. Preparation for the treatment of peptic ulcers. Serial No. 595,794, Sept. 11. Class 18.
Noble, Don, & Company, Inc., Chicago, Ill. Carrying cases for piano accordions. Serial No. 521,358, Sept. 11. Class 36.
Northfield Cheese Corporation, New York, N. Y. Cheese food. Serial Nos. 606,481–2, Sept. 11. Class 46.
Ny-Last Chemical Co., Newark, N. J. Chemicals. Serial No. 607,394, Sept. 11. Class 6.
Oil Well Supply Company, Dallas, Tex. Electric generators. Serial No. 606,165, Sept. 11. Class 21.
Omnipol, Akciova Spolacnost: *See*—
Omnipol, Limited Company.
Omnipol, Limited Company, also named Omnipol, Akciova Spolacnost, Prague, Czechoslovakia. Metallic and enameled cooking, serving and household hollow ware. Serial No. 559,809, Sept. 11. Class 13.
Orange-Crush Company, Chicago, Ill. Non-alcoholic, maltless soft drinks. Serial No. 599,967, Sept. 11. Class 45.
Orpro Food Products Company, Inc., doing business under the name Hesperi Company, Los Angeles, Calif. Laxative. Serial No. 564,782, Sept. 11. Class 18.
Oswego Falls Corporation, Fulton, N. Y. Round containers. Serial No. 569,171, Sept. 11. Class 2.
Oxford Boyswear, Inc., New York, N. Y. Children's, boys', girls', misses', and women's apparel. Serial No. 606,483, Sept. 11. Class 39.
Oxnard Canners, Inc., Monterey, Calif. Canned fish. Serial No. 570,790, Sept. 11. Class 46.
Pacific Airmotive Corporation, Burbank, Calif. Repair, maintenance and overhaul of aircraft and aircraft engines, and components thereof. Serial No. 586,059, Sept. 11. Class 103.
Page, Ethel M., Northhampton, Mass. Lubricating oils. Serial No. 570,014, Sept. 11. Class 15.
Paillard Limited: *See*—
Paillard Products, Inc.
Paillard Products, Inc., New York, N. Y., assignor to Paillard Limited, Yverdon, Switzerland. Typewriters. Serial No. 584,691, Sept. 11. Class 23.
Paragon Oil Company, Inc., Brooklyn, N. Y. Petroleum products and derivatives. Serial No. 565,299, Sept. 11. Class 15.
Paterson, Pam, Inc., New York, N. Y. Women's, misses' and girls' dresses. Serial No. 608,015, Sept. 11. Class 39.
Paywell Products Corporation, Chicago, Ill. Electric motor-operated portable spray guns. Serial No. 567,645, Sept. 11. Class 21.

Peer Food Products Company, Chicago, Ill. Meat and meat products. Serial No. 500,565, Sept. 11. Class 46.
Penick, S. B., & Company, New York, N. Y. Insecticidal dust concentrate. Serial No. 601,372, Sept. 11. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Salt. Serial No. 560,042, Sept. 11. Class 1.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 599,189, Sept. 11. Class 18.
Pfizer, Chas., & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc. Antibiotic preparation. Serial No. 608,893, Sept. 11. Class 18.
Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial Nos. 601,839–40, Sept. 11. Class 18.
Pioneer Merchandise Co., Philadelphia, Pa., and New York, N. Y. Sewing needles. Serial No. 607,234, Sept. 11. Class 40.
Pitman-Moore Co.: *See*—
Allied Laboratories, Inc.
Portland Glove Company, Carlton, Oreg. Leather fabric and a combination of leather and fabric gloves. Serial No. 608,078, Sept. 11. Class 39.
Post, Frederick, Company, The, Chicago, Ill. Encased set of instruments for mechanical drawing. Serial No. 585,522, Sept. 11. Class 26.
Post, Frederick, Company, The, Chicago, Ill. Instruments for mechanical drawing. Serial No. 585,526, Sept. 11. Class 26.
Potter Press, The, Waltham, Mass. Manifold forms, manifold booklets, invoice or bill forms, etc. Serial No. 601,168, Sept. 11. Class 37.
Primrose House, Inc., Indianapolis, Ind. Cream shampoo. Serial No. 607,601, Sept. 11. Class 52.
Production and Marketing Corporation, The, Newtown, Conn. Charting and tracing clip boards and partially printed paper tracing charts. Serial No. 603,205, Sept. 11. Class 37.
Pryor, Edward J., Santa Maria, Calif. Fresh vegetables. Serial Nos. 608,079–80, Sept. 11. Class 46.
Quality Frozen Co.: *See*—
Ayres and Roberts.
Radinite Corporation, New York, N. Y. Furniture polish and cleaner. Serial No. 580,377, Sept. 11. Class 4.
Radio Station WBT: *See*—
Jefferson Standard Broadcasting Company.
Resist All Inc., Oklahoma City, Okla. Outside metal blinds. Serial No. 576,362, Sept. 11. Class 12.
Reynolds Metals Company, Richmond, Va. Laminated metallic foil and paper. Serial No. 597,294, Sept. 11. Class 37.
Robbin, A., and Company: *See*—
Robbin, Al.
Robbin, Al, doing business as A. Robbin and Company, Chicago, Ill. Fabrics. Serial No. 561,945, Sept. 11. Class 42.
Robertson Manufacturing Company, Morrisville, Pa. Wall tile. Serial No. 576,364, Sept. 11. Class 12.
Rodier, Tissanges, Paris, France. Cloths and stuffs. Serial No. 583,292, Sept. 11. Class 42.
Rogers Imports Inc., New York, N. Y. Tobacco pipe reamers. Serial No. 606,237, Sept. 11. Class 8.
Rosedale Knitting Company, Reading, Pa. Women's hosiery. Serial No. 607,400, Sept. 11. Class 39.
Royal Craftsmen Inc., New York, N. Y. Simulated pearls. Serial No. 609,056, Sept. 11. Class 28.
S. W. Flower Company: *See*—
Burge, Robert S.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned fruits. Serial No. 599,024, Sept. 11. Class 46.
Salant & Salant, Inc., New York, N. Y. Men's and boys' work shirts. Serial No. 606,442, Sept. 11. Class 39.
Sandusky Foundry & Machine Co., Sandusky, Ohio. Metal castings. Serial No. 604,493, Sept. 11. Class 14.
Sargent, Lloyd: *See*—
McMath, John N., Co.
Sarjanian, Arshag, doing business as Sarjanian Glove Company, Detroit, Mich. Plastic coated fabric working gloves. Serial No. 579,135, Sept. 11. Class 39.
Sarjanian Glove Company: *See*—
Sarjanian, Arshag.
Schering Corporation, Bloomfield, N. J. Micro organic infections. Serial No. 566,477, Sept. 11. Class 18.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's princess slips, nightgowns, pajamas, etc. Serial No. 538,937, Sept. 11. Class 39.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated adhesive surgical pads, medicated adhesive plaster, etc. Serial No. 601,807, Sept. 11. Class 18.
Schuman & Donchi, Inc., Newark, N. J. Finger rings and ring findings. Serial No. 608,383, Sept. 11. Class 28.
Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Electrical record players, television receiving sets, radio receiving sets, etc. Serial No. 596,124, Sept. 11. Class 21.
Sears, Roebuck and Co., Chicago, Ill. Women's and children's hosiery. Serial No. 573,685, Sept. 11. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. Serial No. 581,085, Sept. 11. Class 42.
Seymour Hosiery Company, Newark, N. J. Hosiery. Serial No. 605,122, Sept. 11. Class 39.
Shellmar Products Corporation, Chicago, Ill. Plastic laminated products. Serial No. 539,092, Sept. 11. Class 1.
Shirtcraft Company, Inc., The, New York, N. Y. Outer shirts. Serial No. 589,341, Sept. 11. Class 39.
Siam Shellac Company Limited, The, Amphur Bukalo, Dhonburi, Siam. Seedlac. Serial No. 572,521, Sept. 11. Class 1.
Skolnick, Max, doing business under the name of Hi-Jolly Date Gardens, Mesa, Ariz. Canned and dry packed dates. Serial No. 603,027, Sept. 11. Class 46.
Smith Asbestos Products, Inc.: *See*—
Asbestos Limited, Inc.
Smoler, Boris, & Sons, Inc., Chicago, Ill. Women's and children's aprons, dresses, and smocks. Serial No. 570,727, Sept. 11. Class 39.
Sniff, D. G., doing business as Sniff's Indio, Calif. Fresh and glazed dates and fresh citrus fruits. Serial No. 570,444, Sept. 11. Class 46.
Sniff's: *See*—
Sniff, D. G.
Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina. Tanning agent. Serial No. 606,443, Sept. 11. Class 6.
Societe Anonyme Georges Lesieur & Ses Fils, Paris, France. Butter, cheese, edible fats and oils, etc. Serial No. 588,051, Sept. 11. Class 46.
Societe de Faconnage et de Commerce, Velanines, France. Musical instruments. Serial No. 573,814, Sept. 11. Class 36.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compound of petroleum and fatty oils. Serial No. 607,048, Sept. 11. Class 6.
Speidel Corporation, Providence, R. I. Bracelets. Serial Nos. 608,328–9, Sept. 11. Class 28.
Standard Milling Company, Chicago, Ill. Livestock and poultry feed. Serial No. 545,784, Sept. 11. Class 46.
Stedi-Flo Air Circulators, Inc., Miami, Fla. Electric air circulators. Serial No. 607,726, Sept. 11. Class 21.
Stewart, Bud, Tackle Company, Flint, Mich. Artificial fish lures. Serial No. 604,936, Sept. 11. Class 22.
Stoddard, G. S., & Co., Inc., New York, N. Y. Quaternary synergist. Serial No. 597,040, Sept. 11. Class 18.
Stoody Company, Whittier, Calif. Stable-surface alloy steels. Serial No. 613,031, Sept. 11. Class 14.
Strausberg, Jack, Chicago, Ill. Entertainment service. Serial No. 588,906, Sept. 11. Class 107.
Street, R. R., & Co., Inc., Chicago, Ill. Dry cleaning compound. Serial No. 543,235, Sept. 11. Class 52.
Struhl, Morris, Inc., New York, N. Y., and Jersey City, N. J. Hair dryers and vibrators. Serial No. 582,927, Sept. 11. Class 44.
Styron-Beggs Company, The, Newark, Ohio. Medicinal preparations. Serial No. 607,970, Sept. 11. Class 18.
Sun Oil Company, Philadelphia, Pa. Lubricating oil. Serial No. 598,690, Sept. 11. Class 15.
Sweet Life Food Corporation, Maspeth, N. Y. Tomato paste. Serial No. 570,128, Sept. 11. Class 46.
Tabin-Picker & Co., Chicago, Ill. Women's and misses' dresses, aprons and suits. Serial No. 608,439, Sept. 11. Class 39.
Taylor, Marion M., doing business as McBride's, Methuen, Mass. Disinfectant and exterminator. Serial No. 598,394, Sept. 11. Class 6.
Thalson Company, San Francisco, Calif. Binocular glasses, field glasses, opera or theatre glasses, etc. Serial No. 570,734, Sept. 11. Class 26.
Tillstrom, Burr F., Chicago, Ill. Entertainment services. Serial No. 579,231, Sept. 11. Class 107.
Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Cured, boned and smoked pork products. Serial No. 513,593, Sept. 11. Class 46.
Tonasket Ellis-Forde Growers, Inc., Tonasket, Wash. Fresh apples. Serial No. 605,815, Sept. 11. Class 46.
Tone Professional Products: *See*—
Blau, Joseph.
Tong, Tang B., carrying on business under the name of Kwan Yick Fireworks Company, Macau, Victoria, Hong Kong. Fireworks. Serial No. 597,361, Sept. 11. Class 9.
Towle Manufacturing Company, Newburyport, Mass. Sterling silver and sterling silver mounted flatware, etc. Serial No. 605,929, Sept. 11. Class 28.
Traver Corporation, Chicago, Ill. Partitions or fillers. Serial No. 552,898, Sept. 11. Class 2.
Triboro Quilt Mfg. Corp., New York, N. Y. Blankets, quilts, crib spreads, etc. Serial No. 603,135, Sept. 11. Class 42.
Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. Serial No. 584,298, Sept. 11. Class 1.
Tru-Ade, Inc., Chicago, Ill. Non-alcoholic, maltless beverage. Serial No. 605,816, Sept. 11. Class 45.
Twitchell, E. W., Incorporated, Philadelphia, Pa. Fabrics. Serial No. 588,054, Sept. 11. Class 42.
Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.
Ulrich Manufacturing Company: *See*—
Ulrich, Raymond M.
Ulrich, Raymond M., doing business as Ulrich Manufacturing Company, assignor to Ulrich Manufacturing Company, Roanoke, Ill. Hydraulic conduit couplings. Serial No. 555,783, Sept. 11. Class 13.

Ultrasonic Medical Equipment Corporation, New York, N. Y. Medical apparatus. Serial No. 602,477, Sept. 11. Class 44.
Union Oil Company of California, Los Angeles, Calif. Asphalts. Serial No. 573,447, Sept. 11. Class 1.
Union Trading Company Ltd., Basel, Switzerland. Textile fabrics in the piece. Serial No. 586,374, Sept. 11. Class 42.
Union Trading Company Ltd., Basel, Switzerland. Textile fabrics in the piece. Serial No. 586,381, Sept. 11. Class 42.
United Metal Box Co., Inc., Brooklyn, N. Y. Metal trash cans. Serial No. 544,937, Sept. 11. Class 2.
United Paper Company, Tampa, Fla. Waxed paper rolls and sheets. Serial No. 549,993, Sept. 11. Class 37.
Up-Right, Inc., Berkeley, Calif. Scaffolds and ladders. Serial No. 559,191, Sept. 11. Class 50.
Valmy Garment Company, Inc., Hammond, La. Slips, nightgowns, petticoats, etc. Serial No. 555,853, Sept. 11. Class 39.
Vanadium Corporation of America, New York, N. Y. Alloy. Serial No. 588,912, Sept. 11. Class 14.
Van Cleef Bros., Inc., Chicago, Ill. Friction tape. Serial No. 600,998, Sept. 11. Class 21.
Vernon-Benshoff Company, Pittsburgh, Pa. Synthethic resinous material. Serial No. 604,406, Sept. 11. Class 1.
Wallerstein Company, Inc., New York, N. Y. Diastatic enzyme preparations. Serial No. 606,688, Sept. 11. Class 6.
West Virginia Pulp and Paper Company, New York, N. Y. Natural black or vegetable black for use principally as a pigment. Serial No. 563,971, Sept. 11. Class 6.
Willamette Valley Lumber Co., Dallas, Oreg. Lumber. Serial No. 584,179, Sept. 11. Class 12.
Williams & Bennett Co., Los Angeles, Calif. Automobile accessories. Serial No. 565,028, Sept. 11. Class 19.
Wilson, Kenneth R., doing business as Homemaker Products, Antioch, Ill. Button gauge. Serial No. 594,936, Sept. 11. Class 26.
Wiltse Laboratories, Inc., New York, N. Y. Mechanical exercising apparatus. Serial No. 599,405, Sept. 11. Class 44.
Winsted Hardware Manufacturing Company, The, Winsted, Conn. Electrical sadirons. Serial No. 599,044, Sept. 11. Class 21.
World Adventure Series, Incorporated, Detroit, Mich. Lecturing on experiences, places and events of interest. Serial No. 586,830, Sept. 11. Class 107.
Wycombe, Meyer, Company, New York, N. Y. Upholstery and drapery fabrics. Serial No. 591,758, Sept. 11. Class 42.
Yardney Electric Corp., New York, N. Y. Electric storage batteries. Serial No. 590,964, Sept. 11. Class 21.
York Knitting Mills, Limited, Toronto, Ontario, Canada. Underwear, pajamas, sleepwear, etc. Serial No. 544,810, Sept. 11. Class 39.
Young's Merchandising Corporation, New York, N. Y. Men's hats. Serial No. 564,419, Sept. 11. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A. C. Spark Plug Company, Flint, Mich., to General Motors Corporation, Detroit, Mich. Spark plugs and spark-plug porcelains. 282,699, renewed Apr. 28, 1951. O. G. Sept. 11. Class 21.
Abelson, L., & Son, Inc., New York, N. Y. Children's wearing apparel. 547,847, Sept. 11; Serial No. 591,708, published June 5, 1951. Class 39.
Abletsan Manufacturing Company Limited, The, London, England. Perfumes, face powder, bath salts and essences, etc. 547,855, Sept. 11; Serial No. 592,968, published May 22, 1951. Class 51.
Abril Corporation (Gt. Britain) Limited, London, England. Waxes and emulsifiers. 547,779, Sept. 11; Serial No. 578,754, published June 12, 1951. Class 6.
Abso-Clean Chemical Company, Detroit, Mich. Laundry detergent. 547,888, Sept. 11; Serial No. 597,482, published May 29, 1951. Class 52.
Adams Watch, Inc., New York, N. Y. Watches, watch cases, and watch and clock movements. 547,837, Sept. 11; Serial No. 589,941, published May 29, 1951. Class 27.
Adams Watch, Inc., New York, N. Y. Jewelry. 547,838, Sept. 11; Serial No. 589,942, published May 29, 1951. Class 28.
Adler & Oppenheimer Aktiengellschaft, Berlin, Germany, to The Relda Trading Company, Inc., New York, N. Y. Leather, leather dressed by the chromic process, etc. 286,362, renewed Aug. 25, 1951. O. G. Sept. 11. Class 1.
Advance Transformer Co., Chicago, Ill. Fluorescent lamp ballasts and transformers. 547,863, Sept. 11; Serial No. 594,348, published June 19, 1951. Class 21.
Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Photographic film. 283,157, renewed May 19, 1951. O. G. Sept. 11. Class 26.
Ahlberg Bearing Company, Chicago, Ill. Anti-friction bearings. 547,961, Sept. 11; Serial No. 602,666, published May 1, 1951. Class 23.
Aktiebolaget Gustavsbergs Fabriker Gustavsberg, Sweden. Tableware, kitchenware, vases, etc. 547,834–5, Sept. 11; Serial Nos. 589,411–12, published May 8, 1951. Class 30.
Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden. Tableware, kitchen ware, vases, etc. 547,848, Sept. 11; Serial No. 592,180, published May 29, 1951. Class 30.
Alabama-Georgia Syrup Company, Montgomery, Ala. Cane syrup. 82,129, re-renewed June 6, 1951. O. G. Sept. 11. Class 46.
Allegheny Ludlum Steel Corporation, Brackenridge and Pittsburgh, Pa. Alloy steel. 547,733, Sept. 11; Serial No. 559,485, published June 26, 1951. Class 14.
Allied Stores Corporation, New York, N. Y. Rug pads and rug padding. 547,868, Sept. 11; Serial No. 595,044, published June 12, 1951. Class 50.
All-Steel Equipment Inc., Aurora, Ill. Construction materials. 547,724, Sept. 11; Serial No. 556,522, published May 22, 1951. Class 12.
Alpha Chemical Co., Inc., Baltimore, Md. Automobile wax and floor wax. 547,898, Sept. 11; Serial No. 598,562, published June 12, 1951. Class 4.
American Fixture and Manufacturing Co., St. Louis, Mo. Garment racks, display racks, display mirrors, tables, etc. 547,695, Sept. 11; Serial No. 530,899, published June 19, 1951. Class 32.
American Handicrafts Company, Inc., East Orange, N. J. Kits containing tools, etc. 547,714, Sept. 11; Serial No. 550,283, published June 5, 1951. Class 50.
American Jewelry Distributors, Inc., New York, N. Y. Ladies' watches and watch movements. 547,746, Sept. 11; Serial No. 568,479, published Feb. 28, 1950. Class 27.
American Spangle Corp., New York, N. Y. Spangles, sequins. 429,279, Apr. 29, 1947. Republished Sept. 11. Class 40
American Vermiculite Corporation, New York, N. Y. Raw and expanded vermiculite. 547,889, Sept. 11; Serial No. 597,571, published May 29, 1951. Class 1.
Ames Company, Inc., Elkhart, Ind. Cholagogues and choleretics. 436,237, Jan. 27, 1948. Republished Sept. 11. Class 18.
Ames Company, Inc., Elkhart, Ind. Preparation used as hypnotic, sedative, and anesthetic. 436,520, Feb. 10, 1948. Republished Sept. 11. Class 18.
Ames Company, Inc., Elkhart, Ind. Hypnotic agent for rectal administration. 436,521, Feb. 10, 1948. Republished Sept. 11. Class 18.
Anderson, Gunnar E., Randolph, N. Y. Milking machine equipment. 547,760, Sept. 11; Serial No. 573,750, published June 5, 1951. Class 23.
Anderson, V. D., Company, The, Cleveland, Ohio. Unitary apparatus. 547,831, Sept. 11; Serial No. 589,189, published June 5, 1951. Class 23.
Anthony, C. R., Company, Oklahoma City, Okla. Men's furnishings. 547,816, Sept. 11; Serial No. 586,457, published June 19, 1951. Class 39.
Anthony Novelty Co., Inc., Providence, R. I. Costume jewelry. 547,817, Sept. 11; Serial No. 586,512, published Apr. 17, 1951. Class 28.
Antique Corner: *See*—
Hukill, Henry D.
Aquadyne Corporation, New York, N. Y. Concentrated chemical compound. 547,839, Sept. 11; Serial No. 590,414, published June 19, 1951. Class 52.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes, eau de cologne, and toilet water. 547,747, Sept. 11; Serial No. 568,600, published Nov. 8, 1949. Class 51.
Armco Steel Corporation, Middletown, Ohio. Enameling iron. 547,908, Sept. 11; Serial No. 599,218, published June 26, 1951. Class 14.
Armstrong Cork Company, Lancaster, Pa. Machinery and machine parts, etc. 547,689, Sept. 11; Serial No. 524,933, published June 5, 1951. Class 23.
Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electrical switches, etc. 547,800, Sept. 11; Serial No. 583,462, published June 19, 1951. Class 21.
Aspegren & Co., New York, N. Y., to The Procter & Gamble Company, Cincinnati, Ohio. Seedoils, lard, syrup, etc. 36,940, re-renewed Aug. 20, 1951. O. G. Sept. 11. Class 46.
Atlanta Hub Co., Inc., New York, N. Y. Men's wearing apparel. 547,933, Sept. 11; Serial No. 600,941, published May 22, 1951. Class 39.
Attorney General of the United States, Vested in The: *See*—
Lindhorst, P.
Autograf Brush & Plastic Co. Incorporated: *See*—
Hughes, Tek, Inc.
B. B. Chemical Co., Boston, Mass. Adhesive-coated reinforcing tape. 547,804, Sept. 11; Serial No. 584,103, published May 22, 1951. Class 5.
Bacharach Industrial Instrument Company, Pittsburgh, Pa. Thermometers. 548,028, Sept. 11; Serial No. 536,334. Class 26.

Bacmo Postman Corporation, New York, N. Y. Ladies' gloves. 549,936, Sept. 11; Serial No. 601,013, published June 19, 1951. Class 39.

Balcrank, Inc., Cincinnati and Disney near Marburg, Cincinnati, Ohio. Lubrication equipment. 547,869, Sept. 11; Serial No. 595,443, published June 5, 1951. Class 23.

Barker-Miller Distributing Company, by Miller-Johns Company, Phoenix, Ariz. Fresh lettuce. 261,644, Sept. 17, 1929. Republished Sept. 11. Class 46.

Bartlett Company, The: *See*—
Bartlett, Madge S.

Bartlett, Madge S., North Kansas City, Mo., assignor to The Bartlett Company, Kansas City, Mo. Face makeup pencils. 547,934, Sept. 11; Serial No. 600,942, published May 29, 1951. Class 51.

Barton Manufacturing Company, St. Louis, Mo. Polish. 547,742, Sept. 11; Serial No. 567,016, published June 12, 1951. Class 4.

Beacon Plastic & Metal Products, New York, N. Y. Eye shades. 548,037, Sept. 11; Serial No. 573,112. Class 26.

Beaumont Birch Company, Philadelphia, Pa. Ash-handling apparatus. 547,858, Sept. 11; Serial No. 598,776, published June 5, 1951. Class 23.

Bellucci, Michael E., New York, N. Y. Side panels for automobile bodies. 547,792, Sept. 11; Serial No. 581,853, published May 15, 1951. Class 19.

Ben-Hur Products, Inc., New York, N. Y. Combs, barrettes and hair ornaments. 548,029, Sept. 11; Serial No. 541,914. Class 40.

Berelson, D. B., & Co., San Francisco, Calif. Canned fruits. 547,884, Sept. 11; Serial No. 597,057, published May 15, 1951. Class 46.

Berk Company, Inc., New York, N. Y. Children's dresses. 547,948, Sept. 11; Serial No. 602,595, published June 5, 1951. Class 39.

Bethlehem Steel Company, Bethlehem, Pa. Pig iron. 548,012, Sept. 11; Serial No. 607,366, published June 26, 1951. Class 14.

Black Jack Oil Company, Denver, Colo. Penetrating oils. 547,985, Sept. 11; Serial No. 604,187, published May 29, 1951. Class 15.

Bland Charnas Co., Inc., Yonkers, N. Y. Pillows. 547,846, Sept. 11; Serial No. 591,666, published June 5, 1951. Class 32.

Borax Consolidated Limited: *See*—
Pacific Coast Borax Company.

Borden Company, The: *See*—
Droste & Snyder.
Thompson's Malted Food Company.

Borden Company, The, New York, N. Y. Ice cream. 547,725, Sept. 11; Serial No. 556,532, published May 15, 1951. Class 46.

Bourjois, Inc., New York, N. Y. Perfume and eau de cologne. 547,931, Sept. 11; Serial No. 600,717, published May 29, 1951. Class 51.

Boyd Coffee Company, Portland, Oreg. Coffee, tea, a preparation of cocoa, chocolate, etc. 547,711, Sept. 11; Serial No. 548,570, published June 19, 1951. Class 46.

Brach, E. J., & Sons, Chicago, Ill. Candy. 285,444, renewed July 28, 1951. O. G. Sept. 11. Class 46.

Bridgeport Hardware Manufacturing Corporation, The, Bridgeport, Conn. Screw drivers and screw driver bits. 548,010, Sept. 11; Serial No. 606,932, published May 29, 1951. Class 23.

Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Pressing pads. 287,256, renewed Sept. 15, 1951. O. G. Sept. 11. Class 24.

Brininstool Paint Co., Los Angeles, Calif., to General Paint Corporation, San Francisco, Calif. Paint enamels. 283,013, renewed May 12, 1951. O. G. Sept. 11. Class 16.

Bristol Company, The, Waterbury, Conn. Indicating, recording, and controlling instruments. 547,842, Sept. 11; Serial No. 591,014, published May 8, 1951. Class 26.

Brookfield Laboratories, Brookfield, Ill. Medicinal preparation. 547,698, Sept. 11; Serial No. 532,552. Class 18.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarette rolling devices or machines. 289,097, renewed Nov. 17, 1951. O. G. Sept. 11. Class 23.

Bruner-Ritter, Inc., New York, N. Y. Bracelets, wrist watch bracelets. 548,002, Sept. 11; Serial No. 605,461, published June 12, 1951. Class 28.

Buckbee, J. C., Company, Los Angeles, Calif. Rotary, vane type gas compressors, air compressors, and vacuum pumps. 547,784, Sept. 11; Serial No. 579,167, published May 29, 1951. Class 23.

By-Lo Mfg. Inc., Chicago, Ill. Aluminum cases. 547,844, Sept. 11; Serial No. 591,352, published June 5, 1951. Class 3.

California Bottling Works: *See*—
Fishman, M. S.

California Club Bottling Company: *See*—
Fishman, M. S.

California Consumers Corporation, Los Angeles, Calif. Canned frozen citrus juices. 547,707, Sept. 11; Serial No. 545,438, published May 15, 1951. Class 46.

California Dry Ginger Ale Company: *See*—
Fishman, M. S.

California Orange Dry Company: *See*—
Fishman, M. S.

Calnevar Company, The, Los Angeles, Calif. Steering wheel controls, gear shift knobs, sun visors, etc. 547,900, Sept. 11; Serial No. 598,702, published May 29, 1951. Class 19.

Campbell-Bell, Inc., Fayetteville, Ark. Men's, women's, and children's wearing apparel. 547,756, Sept. 11; Serial No. 572,790, published June 12, 1951. Class 39.

Canadian International Paper Company, Montreal, Quebec, Canada. Wood pulp. 547,885, Sept. 11; Serial No. 597,064, published May 8, 1951. Class 1.

Capital Flour Mills, Incorporated, Minneapolis, Minn. Wheat flour. 308,661, Dec. 12, 1933. Restricted. O. G. Sept. 11. Class 46.

Carltona Co., Inc., The, New York, N. Y. Children's apparel. 547,853, Sept. 11; Serial No. 592,871, published May 22, 1951. Class 39.

Caro-Craft, Inc., Rocky Mount, N. C. Household and office furniture. 547,736, Sept. 11; Serial No. 561,227, published June 19, 1951. Class 32.

Car-Ree-All Products, Inc., Minneapolis, Minn. Carts in the nature of dollies. 547,814, Sept. 11; Serial No. 586,220, published May 29, 1951. Class 19.

Car-Ree-All Products, Inc., Minneapolis, Minn. Carts in the nature of dollies. 547,901–2, Sept. 11; Serial Nos. 598,703–4, published May 29, 1951. Class 19.

Carter Products, Inc., New York, N. Y. Depilatory. 547,794, Sept. 11; Serial No. 582,598, published June 12, 1951. Class 51.

Castleton China Incorporated, New York, N. Y. China tableware. 547,924, Sept. 11; Serial No. 600,324, published May 8, 1951. Class 30.

Celanese Corporation of America, New York, N. Y. Fabrics. 288,581–2, renewed Nov. 3, 1951. O. G. Sept. 11. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 288,584, renewed Nov. 3, 1951. O. G. Sept. 11. Class 42.

Celomat Corporation, New York, N. Y. Television screen magnifying lenses and brackets. 548,031, Sept. 11; Serial No. 550,581. Class 26.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat, or board used in stereotyping and electrotyping. 281,658, renewed Mar. 24, 1951. O. G. Sept. 11. Class 50.

Certified Dry Mat Corporation, New York, N. Y. Finished printing plates. 281,662, renewed Mar. 24, 1951. O. G. Sept. 11. Class 50.

Chagrin Falls Chemicals, Inc.: *See*—
General Biochemicals, Inc.

Chapin, Alvin E., Washington, D. C. Preparation consisting of hydrogenated vegetable oils, etc. 548,050, Sept. 11; Serial No. 594,250. Class 46.

Chapman, C. C., Inc., Naples, N. Y. Potatoes. 547,691, Sept. 11; Serial No. 525,786, published May 1, 1951. Class 46.

Charles & Co., New York, by Charles & Co., Inc., Bronx, N. Y. Fresh fruits and vegetables. 54,933, Aug. 7, 1906. Republished Sept. 11. Class 46.

Charles & Co., Inc.: *See*—
Charles & Co.

Charles & Co., Inc., Bronx, N. Y. Smoking tobacco. 411,938, Feb. 13, 1945. Republished Sept. 11. Class 17.

Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 547,997, Sept. 11; Serial No. 605,145, published May 15, 1951. Class 19.

Clemco Desk Mfg. Co.: *See*—
Clemco Desk Manufacturing Co. Inc.

Clemco Desk Manufacturing Co. Inc., Bloomfield, Ind., assignee of Clemco Desk Mfg. Co. Desks, desks having movable supports for typewriters, etc. 547,739, Sept. 11; Serial No. 565,414, published June 12, 1951. Class 32.

Coicrete Limited, Strood, Kent, England. Power-driven portable machines. 547,810, Sept. 11; Serial No. 585,055, published May 1, 1951. Class 23.

Cole of California, Inc., Los Angeles, Calif. Swim suits. 547,712, Sept. 11; Serial No. 548,577, published June 19, 1951. Class 39.

Columbia Ribbon & Carbon Mfg. Company, Inc., Glen Cove, N. Y. Carbon paper. 547,917, Sept. 11; Serial No. 599,815, published June 5, 1951. Class 11.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Carbon paper and typewriter ribbons. 547,953, Sept. 11; Serial No. 602,370, published June 19, 1951. Class 11.

Commonwealth Shoe and Leather Company, Whitman, Mass. Boots and shoes. 287,262, renewed Sept. 15, 1951. O. G. Sept. 11. Class 39.

Compagnie Optorg, Saigon, Indo-China. Bristles for use in the manufacture of brushes. 547,866, Sept. 11; Serial No. 594,761, published May 29, 1951. Class 1.

Consolidated Cosmetics, Chicago, Ill. Toilet soap and laundry soap. 547,797, Sept. 11; Serial No. 583,192, published June 12, 1951. Class 52.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 283,566–7, renewed June 2, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 283,690–3, renewed June 2, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oils and greases. 283,697, renewed June 2, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating grease. 284,103, renewed June 16, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 284,307, renewed June 23, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 284,311, renewed June 23, 1951. O. G. Sept. 11. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 285,216, renewed July 21, 1951. O. G. Sept. 11. Class 15.

Continental Paper & Bag Corporation, to International Paper Company, New York, N. Y. Food wrappers. 283,351, renewed May 26, 1951. O. G. Sept. 11. Class 37.

Cook Coffee Company, The: *See*—
India Tea Company.

Coracci, Eugene F., New York, N. Y. Ladies' and misses' dresses. 547,993, Sept. 11; Serial No. 604,905, published June 19, 1951. Class 39.

Cordell Products Inc., New York, N. Y. Perfumes, lipsticks, face powders, etc. 547,864, Sept. 11; Serial No. 594,521, published May 22, 1951. Class 51.

Coro, Inc., New York, N. Y. Necklaces, bracelets, finger rings, earrings, etc. 547,850, Sept. 11; Serial No. 592,550, published May 29, 1951. Class 28.

Crane & Co., Inc.: *See*—
Crane, Z. & W. M.

Crane, Z. & W. M., to Crane & Co., Inc., Dalton, Mass. Writing-paper and envelopes. 81,962, re-renewed May 23, 1951. O. G. Sept. 11. Class 37.

Crawford-Austin Manufacturing Co., Waco, Tex. Hassock. 547,959, Sept. 11; Serial No. 602,605, published June 12, 1951. Class 32.

Crescent Corset Company, Inc., Cortland, N. Y. Corsets and foundation garments. 547,897, Sept. 11; Serial No. 598,523, published June 19, 1951. Class 39.

Crest Company, The: *See*—
Larkin, Daniel C.

Crosley Motors, Inc., Cincinnati, Ohio. Automobiles. 547,788, Sept. 11; Serial No. 580,582, published May 29, 1951. Class 19.

Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures. 547,940, Sept. 11; Serial No. 601,663, published June 19, 1951. Class 50.

Crown Cork Specialty Corporation, St. Louis, Mo. Metallic closures. 547,753, Sept. 11; Serial No. 571,393, published June 12, 1951. Class 50.

Cub-Tie Corp., New York, N. Y. Neckwear. 547,791, Sept. 11; Serial No. 581,710, published June 19, 1951. Class 39.

Cussins and Fearn Company, The, Columbus, Ohio. Seat covers for automobiles. 547,716, Sept. 11; Serial No. 551,620, published May 29, 1951. Class 19.

Daily Trade Record Co. of New York, to Fairchild Publications, Inc., New York, N. Y. Newspaper column or columns. 284,490, renewed June 30, 1951. O. G. Sept. 11. Class 38.

Daitch, L., & Co., Inc., New York, N. Y. Butter, cheese, fluid milk, etc. 547,886, Sept. 11; Serial No. 597,132, published May 15, 1951. Class 46.

Damm, Max, Company, Inc., Newark, N. J., to Harry B. Morris, New York, N. Y. Brief cases. 287,249, renewed Sept. 15, 1951. O. G. Sept. 11. Class 3.

Dant Distillery Company, The, Gethsemane, Ky. Bourbon whiskey. 548,057, Sept. 11; Serial No. 607,151. Class 49.

Davis, Ben F., doing business as Ben F. Davis Mfg. Co., San Francisco, Calif. Men's pants, jeans and overalls. 547,990, Sept. 11; Serial No. 604,772, published June 5, 1951. Class 39.

Davis, Ben F., Mfg. Co.: *See*—
Davis, Ben F.

Decker, Alfred, & Cohn, Inc., to Society Brand Clothes, Inc., Chicago, Ill. Overcoats for men and men's suits. 285,406, renewed July 28, 1951. O. G. Sept. 11. Class 39.

Decker, Alfred, & Cohn, Inc., to Society Brand Clothes, Inc., Chicago, Ill. Men's coats, overcoats, topcoats, and raincoats. 288,536, renewed Nov. 3, 1951. O. G. Sept. 11. Class 39.

De Laval Steam Turbine Company, New York, N. Y. Rotary pumps, worm reduction gearing. 547,820, Sept. 11; Serial No. 586,629, published June 5, 1951. Class 23.

DeWalt Inc.: *See*—
De Walt Products Corporation.

De Walt Products Corporation, Leola, Pa., to DeWalt Inc., Lancaster, Pa. Woodworking machines and parts thereof, etc. 282,751, renewed Apr. 28, 1951. O. G. Sept. 11. Class 23.

Diamond Iron Works, Inc.: *See*—
Hendrickson, Clarice.

Dick, A. B., Company, Niles, Ill. Stencil duplicating inks and ink pads. 547,954, Sept. 11; Serial No. 602,377, published June 19, 1951. Class 11.

Dickinson Fuel Company, Charleston, W. Va. Coal. 548,000, Sept. 11; Serial No. 605,352, published June 19, 1951. Class 1.

Droste & Snyder, Newark, N. J., to The Borden Company, New York, N. Y. Butter, cheese, and eggs. 84,218, re-renewed Nov. 21, 1951. O. G. Sept. 11. Class 46.

Dulane, Inc., River Grove, Ill. Electric deep fat fryers and electrically heated butter warmers. 548,016, Sept. 11; Serial No. 608,242, published June 12, 1951. Class 21.

Dunlap Clothes Shop, Cincinnati, Ohio. Outer shirts and collars. 547,688, Sept. 11; Serial No. 519,382, published Apr. 17, 1951. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Newport Chemical Works, Incorporated.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Resin finish. 547,987, Sept. 11; Serial No. 604,628, published June 26, 1951. Class 6.

Duro Chrome Corporation, St. Louis, Mo. Tables, chairs, stools, etc. 547,965, Sept. 11; Serial No. 602,755, published June 12, 1951. Class 32.

Ebert & Company, Brooklyn, N. Y. Watch straps. 547,818, Sept. 11; Serial No. 586,530, published June 12, 1951. Class 28.

"E-Cut" Knitting Mills, The, to "E-Cut" Knitting Mills, Inc., Royersford, Pa. Rayon underwear. 284,312, renewed June 23, 1951. O. G. Sept. 11. Class 39.

"E-Cut" Knitting Mills, Inc.: *See*—
"E-Cut" Knitting Mills, The.

Edson, Incorporated, Chicago, Ill. Pillows. 547,801, Sept. 11; Serial No. 583,682, published June 19, 1951. Class 32.

Edward Valve and Manufacturing Co., The, to Edward Valves, Inc., East Chicago, Ind. Periodical. 288,030, renewed Oct. 20, 1951. O. G. Sept. 11. Class 38.

Edward Valves, Inc.: *See*—
Edward Valve and Manufacturing Co.

Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

Elliot, Greene & Co. Inc., New York, N. Y. Imitation precious stones, and simulated pearls, and costume jewelry. 547,928, Sept. 11; Serial No. 600,473, published June 19, 1951. Class 28.

Ellmore Silver Co., Inc., The, Meriden, Conn. Sterling silver flatware and hollowware. 547,895, Sept. 11; Serial No. 598,246, published June 12, 1951. Class 28.

Endo Products Inc., Richmond Hill, N. Y. Narcotic preparation. 547,939, Sept. 11; Serial No. 601,609, published June 5, 1951. Class 18.

Englishtown Cutlery, Ltd., New York, N. Y. Unit for feeding infants. 444,558, Sept. 11; Serial No. 507,304, published June 5, 1951. Class 50.

Epstein, M., Inc., Morristown, N. J. Women's shoe. 548,045, Sept. 11; Serial No. 586,746. Class 39.

Esquire Sportswear Co., New York, N. Y. Slacks. 547,904, Sept. 11; Serial No. 598,840, published June 19, 1951. Class 39.

Estro Products Co.: *See*—
Walker, Emil J.

Ethicon Suture Laboratories Incorporated: *See*—
Johnson Suture Corporation.

Euclid Crane & Hoist Company, The, to The Euclid Road Machinery Co., Euclid, Ohio. Mobile machinery. 283,610, renewed June 2, 1951. O. G. Sept. 11. Class 23.

Euclid Road Machinery Co., The: *See*—
Euclid Crane & Hoist Company, The.

Evans, John R., & Company, Camden, N. J. Leather. 547,909, Sept. 11; Serial No. 599,231, published June 19, 1951. Class 1.

Even-Pul Foundations, Inc., New York, N. Y. Brassières, girdles, corselets, etc. 548,053, Sept. 11; Serial No. 598,902. Class 39.

Excelsior Insurance Company of New York, Syracuse, N. Y. Underwriting of the following risks: fire insurance; inland marine; etc. 548,058, Sept. 11; Serial No. 553,957. Class 102.

Fairchild Publications, Inc.: *See*—
Daily Trade Record Co. of New York.

Fashion Knit Hosiery Company, Inc., Cleveland, Ohio. Ladies', men's, and children's hosiery. 547,856, Sept. 11; Serial No. 595,127. Class 39.

Federated Department Stores, Inc., Cincinnati, Ohio, assignee of The John Shillito Company. Young men's suits, topcoats, overcoats, etc. 547,709, Sept. 11; Serial No. 547,288, published June 12, 1951. Class 39.

Federated Department Stores, Inc., Cincinnati, Ohio. Stepladders. 547,044, Sept. 11; Serial No. 601,893, published June 12, 1951. Class 50.

Felt Slipper Co. Inc., New York, N. Y. Ladies', misses', men's, and children's slippers. 548,054, Sept. 11; Serial No. 600,378. Class 39.

Femode Foundations, Inc., New York, N. Y. Ladies' and misses' corsets, corselettes, brassières, etc. 547,826–7, Sept. 11; Serial No. 588,211–12, published June 19, 1951. Class 39.

Ferris Woolen Co.: *See*—
Wawak Company, Inc.

Ferris Woolen Company: *See*—
Wawak Company, Inc.

Firestone Tire & Rubber Company, The, Akron, Ohio. Automobile tires. 283,266, renewed May 19, 1951. O. G. Sept. 11. Class 35.

Fishman, M. S., doing business as the California Bottling Works, California Dry Ginger Ale Company, California Club Bottling Company, and California Orange Dry Company, Los Angeles, Calif. Maltless soft drinks and syrups, extracts and concentrates. 548,056, Sept. 11; Serial No. 602,191. Class 45.

Flex-O-Glass, Inc.: *See*—
Warp, Harold.

Flex-O-Glass Manufacturing Co.: *See*—
Warp, Harold.

Forst Packing Company, Inc., Kingston, N. Y. Smoked turkey, smoked ham, smoked bacon, smoked sausage. 547,697, Sept. 11; Serial No. 531,907, published May 15, 1951. Class 46.

Foster Wheeler Corporation, New York, N. Y. Fluid-heating apparatus. 284,193, renewed June 16, 1951. O. G. Sept. 11. Class 34.

Foster Wheeler Corporation, New York, N. Y. Plate air heaters, condensers, economizers, etc. 285,960, renewed Aug. 11, 1951. O. G. Sept. 11. Class 34.

Foster Wheeler Corporation, New York, N. Y. Expansion joints. 285,961, renewed Aug. 11, 1951. O. G. Sept. 11. Class 13.

Frechtmann, Jean, New York, N. Y. Mirrored display stands. 547,937, Sept. 11; Serial No. 601,207, published June 5, 1951. Class 32.

Frelon, Renée, Inc., Chicago, Ill. Cosmetics. 547,703, Sept. 11; Serial No. 538,222, published May 29, 1951. Class 51.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 547,998, Sept. 11; Serial No. 605,209, published June 12, 1951. Class 42.

Gaines Products Co., Inc.: *See*—
Regal Products Co.

Gamble-Skogmo, Inc., Minneapolis, Minn. Grass seed. 547,970, Sept. 11; Serial No. 603,055, published June 19, 1951. Class 1.

Gamble-Skogmo, Inc., Minneapolis, Minn. Glass tumblers. 547,971, Sept. 11; Serial No. 603,115, published May 29, 1951. Class 33.

Gaylord Bros., Inc., Syracuse, N. Y. Kits containing implements, supplies and instructions for the repairing of books, etc. 547,719, Sept. 11; Serial No. 553,355, published June 19, 1951. Class 50.

General Aniline & Film Corporation: *See*—
Agfa Ansco Corporation.

General Biochemicals, Inc., Chagrin Falls, Ohio, now by change of name Chagrin Falls Chemicals, Inc. Organic chemical germicide and fungicide. 547,980, Sept. 11; Serial No. 603,882, published June 19, 1951. Class 6.

General Motors Corporation: *See*—
A. C. Spark Plug Company.

General Motors Corporation, Detroit, Mich. Automobiles and bodies thereof. 547,743, Sept. 11; Serial No. 567,247, published May 29, 1951. Class 19.

General Motors Corporation, Detroit, Mich. Clocks. 547,841, Sept. 11; Serial No. 594,039, published June 19, 1951. Class 27.

General Paint Corporation: *See*—
Brilmstool Paint Co.

Germaine-Henriette Betschart-Fresneau, Geneva, Switzerland. Hair preserving and hair nutritive preparations, hair restorers, hair elixirs, etc. 547,966, Sept. 11; Serial No. 602,739, published May 29, 1951. Class 51.

Geroux, Harvey, Los Angeles, Calif. Pickling solution. 292,794, Mar. 29, 1932. Republished Sept. 11. Class 46.

Gibson, A. C., Co., Inc., Buffalo, N. Y. Marking devices and accessories therefor. 548,017, Sept. 11; Serial No. 608,309, published May 29, 1951. Class 23.

Glidden, Otis E., doing business as Otis E. Glidden & Co., Evanston, Ill., by Otis E. Glidden & Co., Inc., Waukesha, Wis. Yeast cultures in mineral oil and agar agar emulsion. 309,863, Feb. 6, 1934. Republished Sept. 11. Class 18.

Glidden, Otis E., & Co.: *See*—
Glidden, Otis E.

Glidden, Otis E., & Co., Inc.: *See*—
Glidden, Otis E.

Godefroy, A. F., and Sons, to Godefroy Manufacturing Company, St. Louis, Mo. Hair-dyes. 84,090, re-renewed Nov. 7, 1951. O. G. Sept. 11. Class 51.

Godefroy Manufacturing Company: *See*—
Godefroy, A. F., and Sons.

Gold, Myer P., Troy, N. Y. Hosiery, knit undershirts, knit drawers, etc. 81,988, re-renewed May 23, 1951. O. G. Sept. 11. Class 39.

Gold Cross Mattress Corp., Boston, Mass. Mattresses, beds, studio couches, etc. 430,036, June 3, 1947. Restricted. O. G. Sept. 11. Class 32.

Goodman, Virginius H., Richmond, Va. Ornamental valance units. 547,815, Sept. 11; Serial No. 586,277, published June 5, 1951. Class 32.

Goodrich, B. F., Company, The: *See*—
United Shoe Machinery Corporation.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber in powder form. 547,945, Sept. 11; Serial No. 601,988, published June 19, 1951. Class 1.

Gotham Hosiery Company, Inc.: *See*—
Gotham Silk Hosiery Company, Inc.

Gotham Silk Hosiery Company, Inc., to Gotham Hosiery Company, Inc., New York, N. Y. Hosiery. 287,271, renewed Sept. 15, 1951. O. G. Sept. 11. Class 39.

Gould, Barbara, Inc., New York, N. Y. Perfume, eau de cologne deodorant, toilet creams, etc. 547,740–1, Sept. 11; Serial No. 566,134–5, published May 29, 1951. Class 51.

Grais, Rubin, & Sons, Chicago, Ill. Sportswear. 547,803, Sept. 11; Serial No. 583,926, published June 19, 1951. Class 39.

Greatrex Ltd., New York, N. Y. Sterling silver, silver plated and silver mounted flatware and hollow ware. 547,896, Sept. 11; Serial No. 598,361, published May 29, 1951. Class 28.

Griess-Pfleger Tanning Co., The, Waukegan, Ill. Leather. 547,802, Sept. 11; Serial No. 583,691, published June 12, 1951. Class 1.

Gristede Bros., Inc., Bronx, N. Y. Canned vegetables. 184,634, May 27, 1924. Republished Sept. 11. Class 46.

Gristede Bros., Inc., Bronx, N. Y. Canned vegetables. 185,096, June 10, 1924. Republished Sept. 11. Class 46.

Gristede Bros., Inc., Bronx, N. Y. Clear and cloudy ammonia. 324,441, May 21, 1935. Republished Sept. 11. Class 6.

Gristede Bros., Inc., Bronx, N. Y. Dried vegetables. 328,808, Oct. 8, 1935. Republished Sept. 11. Class 46.

Gristede Bros., Inc., Bronx, N. Y. Artificial carbonated lithiated water. 334,874. May 19, 1936. Republished Sept. 11. Class 18.

Gristede Bros., Inc., Bronx, N. Y. Artificial carbonated lithiated water. 334,885, May 19, 1936. Republished Sept. 11. Class 18.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 547,857, Sept. 11; Serial No. 593,633, published May 8, 1951. Class 27.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 547,962, Sept. 11. Serial No. 602,689, published June 19, 1951. Class 27.

Gundlach, Herman, Inc., Houghton, Mich. Furniture. 547,761, Sept. 11; Serial No. 573,942, published June 5, 1951. Class 32.

Hagan Corporation, Pittsburgh, Pa. Water treating compounds. 547,773, Sept. 11; Serial No. 576,582, published June 12, 1951. Class 6.

Hagerstown Rubber Company, The, Hagerstown, Md. Rubber soles and heels. 548,041, Sept. 11; Serial No. 583,203. Class 39.

Hahn, William, & Company, Washington, D. C. Men's, women's, and children's shoes. 547,744, Sept. 11; Serial No. 568,149, published June 12, 1951. Class 39.

Hall, Frank A., & Sons, New York, N. Y. Bedroom and household furniture, dining room furniture, etc. 547,932, Sept. 11; Serial No. 600,801, published June 5, 1951. Class 32.

Halper Brothers, Inc., New York, N. Y. Hats and hat bodies. 547,913, Sept. 11; Serial No. 599,512, published May 22, 1951. Class 39.

Hamilton, Sallie, Detroit, Mich. Tonic for alleviating throat irritation. 547,985, Sept. 11; Serial No. 604,300, published June 5, 1951. Class 18.

Hardware Mutual Insurance Company of Minnesota, Minneapolis, Minn. Underwriting of burglary, robbery, and theft insurance. 548,026, Sept. 11; Serial No. 593,348, published June 12, 1951. Class 102.

Hardwick Woolen Mills, Inc., Cleveland, Tenn. Men's and boys' clothing. 547,893, Sept. 11; Serial No. 598,181, published June 12, 1951. Class 39.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. 547,690, Sept. 11; Serial No. 524,983, published May 29, 1951. Class 19.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, etc. 547,813, Sept. 11; Serial No. 586,053, published June 12, 1951. Class 39.

Haskell, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. 547,929, Sept. 11; Serial No. 600,483, published May 29, 1951. Class 18.

Hendricks Research Foundation: *See*—
Hendricks, Wendell G.

Hendricks, Wendell G., doing business under the name and style of Hendricks Research Foundation, Hollywood, Calif. Vitamin tablets. 548,003, Sept. 11; Serial No. 605,480, published June 5, 1951. Class 18.

Hendrickson, Clarice, Chicago, Ill., to Diamond Iron Works, Inc., Minneapolis, Minn. Automatic coal stokers. 284,758, renewed July 7, 1951. O. G. Sept. 11. Class 34.

Heppenstall Company, Pittsburgh, Pa. Pre-hardened hot-worked alloy die steel. 548,011, Sept. 11; Serial No. 607,290, published June 26, 1951. Class 14.

Hercules Powder Company, Wilmington, Del. Synthetic resin. 547,942, Sept. 11; Serial No. 601,730, published June 19, 1951. Class 6.

Heurich, Chr., Brewing Company, Washington, D. C. Ale. 548,042, Sept. 11; Serial No. 583,798. Class 48.

Hewitt Bros. Soap Company, The, to The Hewitt Soap Company, Inc., Dayton, Ohio. Soap. 286,888, renewed Sept. 8, 1951. O. G. Sept. 11. Class 52.

Hewitt Soap Company, Inc., The: *See*—
Hewitt Bros. Soap Company, The.

Hicks, H., & Son, Inc., to H. Hicks & Son, Inc., New York, N. Y. Canned fruits, dried fruits, etc. 226,001, renewed Mar. 29, 1947. O. G. Sept. 11. Class 46.

Hi-Line Co., Inc., New York, N. Y. Children's sunsuits. 547,879, Sept. 11; Serial No. 596,723, published June 5, 1951. Class 39.

Hoffman, M., & Co., Inc., Boston, Mass. Overalls, dungarees, jumpers, etc. 547,696, Sept. 11; Serial No. 531,475, published June 5, 1951. Class 39.

Holabird Company, The, Bryan, Ohio. Dinette sets. 547,822, Sept. 11; Serial No. 587,109, published June 5, 1951. Class 32.

Holeproof Hosiery Company: *See*—
Luxite Silk Products Co.

Holt, John, & Company, Inc., New York, N. Y. Dressed goat skins. 547,865, Sept. 11; Serial No. 594,544, published May 22, 1951. Class 1.

Holtz, Al S., Yonkers, N. Y. Garment hangers and garment hanger clips. 547,951, Sept. 11; Serial No. 602,261, published June 12, 1951. Class 50.

Home Wave Inc., Newark, N. J. Permanent home wave kits. 547,735, Sept. 11; Serial No. 560,815, published June 12, 1951. Class 44.

Hood, H. P., & Sons, Inc., Boston, Mass. Ice cream. 286,998, renewed Sept. 8, 1951. O. G. Sept. 11. Class 46.

Houbigant, Inc., New York, N. Y. Face powder, talcum powder, bath salts, etc. 289,043, renewed Nov. 17, 1951. O. G. Sept. 11. Class 51.

Hughes & Carroll, Prescott, Ariz. Toothpaste. 547,767, Sept. 11; Serial No. 575,410, published May 29, 1951. Class 51.

Hughes, Tek, Inc., New York, N. Y., now by change of name Autograf Brush & Plastic Co. Incorporated, assignor to Johnson & Johnson, New Brunswick, N. J. Brushes, comb and mirror sets. 547,890, Sept. 11; Serial No. 597,614, published Dec. 26, 1950. Class 40.

Hukill, Henry D., doing business under the name and style of Antique Corner, South Bend, Ind. Liquid glue. 547,943, Sept. 11; Serial No. 601,789, published May 29, 1951. Class 5.

Hunter Baltimore Rye Distillery, Inc., Baltimore, Md., by Hunter-Wilson Distilling Co., Inc., New York, N. Y. Whiskey. 329,247, Oct. 22, 1935. Republished Sept. 11. Class 49.

Hunter Gwynnbrook Distilling Corporation, Baltimore, Md., by Hunter-Wilson Distilling Co., Inc., New York, N. Y. Whiskey. 316,374, Aug. 21, 1934. Republished Sept. 11. Class 49.

Hunter-Wilson Distilling Co., Inc.: *See*—
Hunter Baltimore Rye Distillery, Inc.
Hunter Gwynnbrook Distilling Corporation.

Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Simulated pearl bracelets, necklaces, earrings and brooches. 547,967–8, Sept. 11; Serial Nos. 602,951–2, published June 19, 1951. Class 28.

India Tea Company, Chicago, Ill., to The Cook Coffee Company, Cleveland, Ohio. Coffees, teas, cocoa, etc. 82,239, re-renewed June 13, 1951. O. G. Sept. 11. Class 46.

Instograph, Ltd., Oakland, Calif., to International Business Machines Corporation, New York, N. Y. Time daters and time-dating machines. 283,175, renewed May 19, 1951. O. G. Sept. 11. Class 26.

International Business Machines Corporation: *See*—
Instograph, Ltd.

International Paper Company: *See*—
Continental Paper & Bag Corporation.

International Silver Company, The, Meriden, Conn. Sterling silver table ware. 547,963, Sept. 11; Serial No. 602,698, published June 19, 1951. Class 28.

International Silver Company, The, Meriden, Conn. Silver plated table ware. 547,964, Sept. 11; Serial No. 602,699, published June 19, 1951. Class 28.

Invicta-Seeland, Inc., New York, N. Y. Watches, watch movements, watch cases, etc. 547,930, Sept. 11; Serial No. 600,591, published May 29, 1951. Class 27.

Ipsophon Patentgesellschaft A. G., Glarus, Switzerland. Telephone receiving and transmitting instruments. 547,702, Sept. 11; Serial No. 537,766, published June 12, 1951. Class 21.

Istituto Farmaco-Biologico Raffaello Pagni, Firenze, Italy. Disinfectant. 547,782, Sept. 11; Serial No. 579,103, published May 22, 1951. Class 18.

Ives-Cameron Company, Inc., New York, N. Y. Choleretic and cholagogue. 547,972, Sept. 11; Serial No. 603,296, published June 5, 1951. Class 18.

Jacob, J. G., Co., New York, N. Y. Fabrics in the piece. 548,004, Sept. 11; Serial No. 605,517, published June 12, 1951. Class 42.

Jacoby-Bender, Inc., New York, N. Y. Attachments on watch bracelets. 547,920, Sept. 11; Serial No. 600,268, published May 15, 1951. Class 28.

Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 547,921–2, Sept. 11; Serial Nos. 600,267–70, published May 29, 1951. Class 28.

Jacoby-Bender, Inc., New York, N. Y. Springs used in expansible watch bracelets. 547,923, Sept. 11; Serial No. 600,274, published June 19, 1951. Class 28.

Joanne Kiddy Dress Manufacturing Co., Chicago, Ill. Children's dresses. 547,867, Sept. 11; Serial No. 594,844, published June 12, 1951. Class 39.

Johnson, J. W., Company, Chicago, Ill. Compounds for the waterproofing and rotproofing of fabrics or leather. 547,947, Sept. 11; Serial No. 602,095, published June 19, 1951. Class 6.

Johnson & Johnson: *See*—
Hughes, Tek, Inc.

Johnson Suture Corporation, Chicago, Ill., to Ethicon Suture Laboratories Incorporated, New Brunswick, N. J. Gut strings for rackets. 282,429, renewed Apr. 21, 1951. O. G. Sept. 11. Class 22.

Juillerat Freres Societe Anonyme, Berne, Switzerland. Watches and watch movements. 547,795, Sept. 11; Serial No. 583,098, published June 12, 1951. Class 27.

K & S Corset Manufacturing Co., Inc., New York, N. Y. Foundation garments. 548,035, Sept. 11; Serial No. 600,384. Class 39.

Kastar Incorporated, New York, N. Y. Automobile air and rain deflectors. 547,882–3, Sept. 11; Serial Nos. 597,001–2, published May 29, 1951. Class 19.

Kaufmann Department Stores: *See*—
May Department Stores Company, The.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by May Department Stores Company, The, St. Louis, Mo. Refrigerators. 281,419, Mar. 17, 1931. Republished Sept. 11. Class 31.

Kaumagraph Company, New York, N. Y., by Kaumagraph Company, Wilmington, Del. Marking paste. 282,764, Apr. 28, 1931. Republished Sept. 11. Class 11.

Kelman, Jack H., New York, N. Y., and Philadelphia, Pa. Ladies' children's and infants' wear. 547,770, Sept. 11; Serial No. 575,739, published June 19, 1951. Class 39.

Kelray Knitting Mills, Inc.: *See*—
Krumholz & Lichtblau.

Kester Solder Company, Chicago, Ill. Solder. 547,764, Sept. 11; Serial No. 574,843, published June 26, 1951. Class 14.

Keystone Iron & Metal Co.: *See*—
Keystone Iron & Metal Company.

Keystone Iron & Metal Company, also known as Keystone Iron & Metal Co., Williamsport, Pa. Bed side rails. 444,359, Sept. 11; Serial No. 510,599, published June 5, 1951. Class 32.

Kitchin & Company Limited, Leeds, England. Ox hide leather. 547,750, Sept. 11; Serial No. 570,750, published June 12, 1951. Class 1.

Kitchin & Company Limited, Leeds, England. Suede leathers, chrome leather. 547,751, Sept. 11; Serial No. 570,751, published June 12, 1951. Class 1.

Kittinger Company, Inc., Buffalo, N. Y. Furniture. 547,790, Sept. 11; Serial No. 581,424, published June 5, 1951. Class 32.

Kliegl Bros. Universal Electric State Lighting Co., Inc., New York, N. Y. Rotary selector switches. 548,015, Sept. 11; Serial No. 608,009, published June 12, 1951. Class 21.

Knapp-Monarch Company, St. Louis, Mo. Electrical appliances. 547,994, Sept. 11; Serial No. 604,913, published Apr. 24, 1951. Class 21.

Koree, Jean U., New York, N. Y. Therapeutic vitamin preparation. 547,996, Sept. 11; Serial No. 605,039, published June 5, 1951. Class 18.

Kress, S. H., and Company, New York, N. Y. Dental and after-shaving creams, face powder, etc. 547,780, Sept. 11; Serial No. 578,853, published June 12, 1951. Class 51.

Krumholz & Lichtblau, to Kelray Knitting Mills, Inc., New York, N. Y. Ladies' and children's undergarments. 284,371, renewed June 23, 1951. O. G. Sept. 11. Class 39.

Kuehnle-Wilson, Inc., Philadelphia, Pa. Contract commercial painting. 548,020, Sept. 11; Serial No. 563,346, published June 12, 1951. Class 103.

Laclede-Christy Co. of Pa., Osceola Mills, Pa. Fire brick. 547,722, Sept. 11; Serial No. 554,579, published May 29, 1951. Class 12.

Landell Manufacturing Company, Los Angeles, Calif. Packages of solid fuel containing kindling material. 547,786, Sept. 11; Serial No. 579,691, published May 29, 1951. Class 1.

Landon, Kirk A., and Associates: *See*—
Retrospective Insurance Underwriters, Inc.

Lapanouse, R., "Rego" Uhr Ag., Bubendorf, Bale-Campagne, Switzerland. Watches and parts of watches. 547,870, Sept. 11; Serial No. 595,669, published May 29, 1951. Class 27.

Larkin, Daniel C., doing business under the assumed name of The Crest Company, Detroit, Mich. Automobile seat covers. 547,851, Sept. 11; Serial No. 592,711, published May 29, 1951. Class 19.

Larre' Laboratories, Inc., Denver, Colo. Pessaries. 547,825, Sept. 11; Serial No. 587,735, published June 12, 1951. Class 44.

Larson Bros. Company, Inc., The, Kansas City, Kans. Fried pork skins. 547,916, Sept. 11; Serial No. 599,728, published May 15, 1951. Class 46.

Lehman, Joseph A., doing business as Penn Swing & Ladder Company, Lancaster, Pa. Stepladders, extension ladders, etc. 547,999, Sept. 11; Serial No. 605,282, published June 12, 1951. Class 50.

Lehon Company, The, Chicago, Ill. Brattice cloth, canvas, duck, etc. 444,560–1, Sept. 11; Serial Nos. 520,744–5, published June 12, 1951. Class 42.

Lehon Company, The, Chicago, Ill. Burlap; canvas; duck, etc. 444,562, Sept. 11; Serial No. 520,746, published June 12, 1951. Class 42.

Leinenkugel, Jacob, Brewing Company, Chippewa Falls, Wis. Beer. 547,693, Sept. 11; Serial No. 530,410, published June 19, 1951. Class 48.

Lenthéric Incorporated, New York, N. Y. Toilet waters. 547,739. Sept. 11; Serial No. 564,133, published June 12, 1951. Class 51.

Les Parfums de Dana, Inc., New York, N. Y. Perfume, toilet waters, lipsticks, etc. 547,812, Sept. 11; Serial No. 564,006, published June 12, 1951. Class 51.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Front surface mirrors, rear surface mirrors, etc. 547,946, Sept. 11; Serial No. 602,041, published June 12, 1951. Class 32.

Lindhorst, P., Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C. Cotton yarns. 284,130, renewed June 16, 1951. O. G. Sept. 11. Class 43.

Lindhorst, P., Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C. Wool yarns. 284,131, renewed June 16, 1951. O. G. Sept. 11. Class 43.

Long, Thomas, Company, Boston, Mass. Genuine, cultured and imitation pearls; jewelry, etc. 547,754, Sept. 11; Serial No. 571,692, published May 29, 1951. Class 28.

Loomis, W. H., Talc Corporation, The, Gouverneur, N. Y. Specialty prepared insecticide. 369,699, Aug. 1, 1939. Republished Sept. 11. Class 6.

Lo Parrino, Salvatore, Astoria, N. Y. Bleaching solution. 547,955, Sept. 11; Serial No. 602,461, published June 19, 1951. Class 6.

Lowe, Joe, Corporation, New York, N. Y. Bags. 547,783, Sept. 11; Serial No. 579,116, published Feb. 13, 1951. Class 2.

Luber-Tone, Inc., St. Louis, Mo. Penetrating lubricant. 547,981, Sept. 11; Serial No. 603,889, published May 29, 1951. Class 15.

Luchsinger's Handelsgesellschaft Amsterdam Filiale Zuerich, Zuerich, Switzerland. Knitted sweaters, jackets, underwear, etc. 547,805, Sept. 11; Serial No. 584,144, published June 19, 1951. Class 39.

Lucky Products Co., Miami, Fla. Medicinal preparation. 547,993, Sept. 11; Serial No. 604,978, published May 29, 1951. Class 18.

Lusty, John, Limited, London, England. Shaving sticks and face creams. 547,821, Sept. 11; Serial No. 586,755, published June 12, 1951. Class 51.

Lux, Louis, doing business as Lux Research Laboratories, Cleveland, Ohio. Moth spray and moth crystals. 547,995, Sept. 11; Serial No. 604,698, published June 26, 1951. Class 6.

Lux Research Laboratories: *See*—
Lux, Louis.

Luxite Silk Products Co., to Holeproof Hosiery Company, Milwaukee, Wis. Underwear. 287,795, renewed Oct. 13, 1951. O. G. Sept. 11. Class 39.

Lyons, Maggie, Mfg. Co., The, Minden, La. Preparation for treating kidney, bladder, and prostate gland ailments. 547,653, Sept. 11; Serial No. 589,387, published May 29, 1951. Class 18.

M. K. M. Hosiery Mills, Inc., Boston and Jamaica Plain, Boston, Mass. Hosiery. 547,978, Sept. 11; Serial No. 603,651, published June 5, 1951. Class 39.

MacArthur Products, Inc., Springfield, Mass. Set of wheels with brackets therefor. 547,841, Sept. 11; Serial No. 590,984, published Feb. 6, 1951. Class 19.

Mackenzie, C. R., Ltd., Long Island City, N. Y. Pre-shave beard softener. 548,035, Sept. 11; Serial No. 568,265. Class 51.

Maclin-Zimmer-McGill Tobacco Co. Inc.: *See*—
Maclin-Zimmer Tobacco Co. Incorporated.

Maclin-Zimmer Tobacco Co. Incorporated, to Maclin-Zimmer-McGill Tobacco Co. Inc., Petersburg, Va. Plug twist, cut plug smoking tobacco and leaf tobacco. 84,184, re-renewed Nov. 14, 1951. O. G. Sept. 11. Class 17.

Maison Deutz & Geldermann, Societe Anonyme, Marne, France. Champagne wines. 548,027, Sept. 11; Serial No. 525,575. Class 47.

Major Electronics Co., Brooklyn, N. Y. Portable novelty and children's electrically operated phonographs, radios, etc. 547,852, Sept. 11; Serial No. 592,769, published June 19, 1951. Class 21.

Malcolm, Fred S., doing business under the name and style of Meston Laboratories, Philadelphia, Pa. Pharmaceutical preparation. 547,992, Sept. 11; Serial No. 604,853, published May 29, 1951. Class 18.

Maltbie Laboratories, Inc., Newark, N. J. Central nervous system stimulant and appetite depressant. 547,887, Sept. 11; Serial No. 597,218, published June 5, 1951. Class 18.

Manhattan Shirt Company, The, New York, N. Y. Men's outer shirts. 547,774, Sept. 11; Serial No. 577,277, published May 22, 1951. Class 39.

Marden Manufacturing Company, Auburndale, Fla. Power operated ground clearing and working implements. 547,778, Sept. 11; Serial No. 576,465, published June 5, 1951. Class 23.

Marino Jewelry Co., Inc., Pawtucket, R. I. Earrings, bracelets, pendants, etc. 547,907, Sept. 11; Serial No. 599,109, published June 19, 1951. Class 28.

Mark Laboratories, Inc., Pittsburgh, Pa. Germicidal preparation. 547,793, Sept. 11; Serial No. 582,570, published June 12, 1951. Class 6.

Marlboro Shirt Company, Inc., Baltimore, Md. Men's and boys' dress, negligee, and work shirts. 547,726, Sept. 11; Serial No. 556,805, published Nov. 14, 1950. Class 39.

Martin, Francis E., doing business under the name of "Martin Laboratories," West Chester, Pa. Bougie and the like, etc., for veterinary use. 547,809, Sept. 11; Serial No. 584,629, published June 5, 1951. Class 18.

Martin Laboratories: *See*—
Martin, Francis E.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,873, Sept. 11; Serial No. 596,580, published June 5, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,874, Sept. 11; Serial No. 596,581, published May 29, 1951. Class 18.

Massengill S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,875, Sept. 11; Serial No. 596,583, published May 29, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,876, Sept. 11; Serial No. 596,587, published June 5, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,877, Sept. 11; Serial No. 596,589, published May 29, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 547,878, Sept. 11; Serial No. 596,590, published June 5, 1951. Class 18.

Maternity Cosmetics, Inc., Rochester, N. Y. Skin creams, skin lotions, personal deodorants, etc. 547,903, Sept. 11; Serial No. 598,737, published May 29, 1951. Class 51.

Mathieson Chemical Corporation: *See*—
Southern Acid & Sulphur Company, Incorporated.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

May Department Stores Company, The, St. Louis, Mo., doing business under the name of Kaufmann Department Stores, Pittsburgh, Pa. Furniture. 547,763, Sept. 11; Serial No. 574,441, published June 19, 1951. Class 32.

McCoy, Jones & Company, Inc.: *See*—
Thread Mills Company, The.

McNabb, Edgar M., doing business as Sperial Products Company, Indianapolis, Ind. Posting machines. 547,729, Sept. 11; Serial No. 558,801, published May 1, 1951. Class 23.

Mead Johnson & Company: *See*—
Milk Minerals Co., Inc.

Medart Company, The, St. Louis, Mo. Metal wardrobes. 547,969, Sept. 11; Serial No. 603,017, published June 12, 1951. Class 32.

Mercantile Stores Co., Inc., Wilmington, Del. Non-electric blankets. 547,906, Sept. 11; Serial No. 599,054, published June 12, 1951. Class 42.

Merion Laboratories: *See*—
Malcolm, Fred S.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. 444,563, Sept. 11; Serial No. 525,651, published May 22, 1951. Class 39.

Metal Trims, Incorporated, Youngstown, Ohio. Metal trims, etc. 547,757, Sept. 11; Serial No. 572,909, published June 5, 1951. Class 12.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Application by metal spraying of corrosion resistant or wear-resistant materials to machinery, etc. 548,025, Sept. 11; Serial No. 589,909, published June 19, 1951. Class 106.

Milk Minerals Co., Inc., New York, N. Y., now by change of name to Protein Mineral Co., Inc., assignor to Milk Minerals Co, Inc., by Mead Johnson & Company, Evansville, Ind. Powdered whey concentrate. 335,494. June 2, 1936. Republished Sept. 11. Class 46.

Millaway, Eugene D., doing business under the name P. D. G. Products, Inc., Burlington, N. C. Antiseptic preparation. 547,872, Sept. 11; Serial No. 596,292, published June 5, 1951. Class 18.

Miller-Johns Company: *See*—
Barker-Miller Distributing Company.

Miss Youth Form Lingerie, Inc., New York, N. Y. Ladies' half slips. 548,048, Sept. 11; Serial No. 593,428. Class 39.

Miss Youth Form Lingerie, Inc., New York, N. Y. Ladies' petticoats. 548,049, Sept. 11; Serial No. 593,430. Class 39.

Miss Youth Form Lingerie, Inc., New York, N. Y. Ladies' slips. 548,051, Sept. 11; Serial No. 595,061. Class 39.

Moench, R. G., & Co., Inc., New York, N. Y. Edible powdered mixture. 425,015–16, Oct. 29, 1946. Republished Sept. 11. Class 46.

Moench, R. G., & Co., Inc., New York, N. Y. Edible powdered mixture. 438,561. May 4, 1948. Republished Sept. 11. Class 46.

Morgan Furniture Company, Asheville, N. C. Bedroom furniture and dining room furniture. 547,782, Sept. 11; Serial No. 571,155, published June 5, 1951. Class 32.

Morris, E., Manufacturing Co.: *See*—
Morris, E., Mfg. Co.

Morris, E., Mfg. Co., to E. Morris Manufacturing Co., Detroit, Mich. Razors and shears. 284,645, renewed July 7, 1951. O. G. Sept. 11. Class 23.

Morris, Harry B.: *See*—
Damm, Max, Company, Inc.

Mousley, George E., Inc., New York, N. Y. Woven and non-woven ornamental fabrics. 547,871, Sept. 11; Serial No. 596,042, published June 5, 1951. Class 50.

Mutation Mink Breeders Association, Elkhorn, Wis. Mink pelts. 547,777, Sept. 11; Serial No. 578,697, published June 19, 1951. Class 1.

National Cylinder Gas Company, Chicago, Ill. Articles of wearing apparel. 547,799, Sept. 11; Serial No. 583,444, published June 19, 1951. Class 39.

National Lead Company, Sayreville, N. J., and New York, N. Y. Granular barytes. 547,986, Sept. 11; Serial No. 604,485, published June 19, 1951. Class 1.

National Package Drugs, Inc., St. Louis, Mo. Pharmaceutical analgesic tablets. 547,005, Sept. 11; Serial No. 605,525, published June 5, 1951. Class 18.

National Silver Company, New York, N. Y. Ceramic dinnerware. 547,948, Sept. 11; Serial No. 602,105, published May 22, 1951. Class 30.

National Steel Construction Co., Seattle, Wash. Electrically operated garbage grinders. 547,991, Sept. 11; Serial No. 604,796, published June 12, 1951. Class 21.

National Steel Corporation, Pittsburgh, Pa. Tin plate. 423,310. Aug. 27, 1946. Republished Sept. 11. Class 14.

National Steel Corporation, Pittsburgh, Pa. Steel sheets and tin coated steel sheets. 534,657. Dec. 2, 1947. Republished Sept. 11. Class 14.

National Van Lines, Inc., Chicago, Ill. Transportation of goods by motor van. 548,018. Sept. 11; Serial No. 557,202, published Sept. 6, 1949. Class 105.

New England Glass Works, Inc., Providence, R. I. Articles of jewelry. 547,975, Sept. 11; Serial No. 603,591, published June 12, 1951. Class 28.

Newport Chemical Works, Incorporated, Carrollville, Wis., by E. I. du Pont de Nemours and Company, Wilmington, Del. Synthetic perfume. 286,372, Aug. 25, 1931. Republished Sept. 11, 1951. Class 51.

Nielsen, A. C., Company, Chicago, Ill. Marketing research. 548,024, Sept. 11; Serial No. 587,645, published June 12, 1951. Class 101.

Niepold's, Washington, D. C. Wall mirrors, mirror frames, picture frames, etc. 547,760, Sept. 11; Serial No. 575,776, published June 19, 1951. Class 32.

Niles-Bement-Pond Company, West Hartford, Conn. Metal cutting and grinding machines, taps, drills, etc. 547,727, Sept. 11; Serial No. 557,153, published June 5, 1951. Class 23.

Norfolk Mattress Company, Inc., Norfolk, Va. Bedding and furniture. 547,713, Sept. 11; Serial No. 549,831, published June 5, 1951. Class 32.

Norwich Pharmacal Company, Norwich, N. Y. Liquid demulcent preparation. 285,672, renewed Aug. 4, 1951. O. G. Sept. 11. Class 18.

Nutrition Research Laboratories, Inc., Chicago, Ill. Pharmaceutical preparation. 548,008, Sept. 11; Serial No. 606,081, published June 5, 1951. Class 18.

Nyl-Up, Inc., New Braunfels, Tex. Ladies' garters. 547,974, Sept. 11; Serial No. 603,496, published June 5, 1951. Class 39.

Oakford Company, The, Peoria, Ill. Peanut butter, jellies, fruit preserves, etc. 547,692, Sept. 11; Serial No. 529,815, published June 26, 1951. Class 46.

Oberman & Company, Jefferson City, Mo., and New York, N. Y. Men's and boys' coats, trousers, riding breeches and lumberjacks. 547,829, Sept. 11; Serial No. 588,989, published June 12, 1951. Class 39.

Oliess Core Binder Company, The, Cleveland, Ohio. Foundry supplies, namely, core binders, etc. 547,723, Sept. 11; Serial No. 535,953, published May 22, 1951. Class 5.

Ortho Pharmaceutical Corporation, Raritan, N. J. Therapeutic preparation. 547,785, Sept. 11; Serial No. 579,350, published May 29, 1951. Class 18.

Owen Drug Company, Salisbury, N. C. Vitamin and iron compound. 547,919, Sept. 11; Serial No. 600,186, published June 5, 1951. Class 18.

P. D. G. Products, Inc.: *See*—
Millaway, Eugene D.

Pacific Coast Borax Company, Los Angeles, Calif., assignor to Borax Consolidated Limited, London, England. Weed control preparation. 547,789, Sept. 11; Serial No. 581,206, published Mar. 13, 1951. Class 6.

Panhandle Production & Refining Company: *See*—
Panhandle Refining Company, Inc.

Panhandle Refining Company, Inc., Wichita Falls, Tex., assignor to Panhandle Producing & Refining Company. Motor lubricating oils and lubricating greases. 444,557, Sept. 11; Serial No. 503,117, published June 12, 1951. Class 15.

Paradis, Aime H., doing business as Plane Bleach Co., Manchester, N. H. Cleaning, sterilising and bleaching compound. 547,823, Sept. 11; Serial No. 587,130, published May 29, 1951. Class 52.

Paramount Textile Machinery Co., Chicago, Ill. Power driven transfer machines. 547,806, Sept. 11; Serial No. 584,248, published June 5, 1951. Class 23.

Parco Mfg. Inc., Providence, R. I. Real and costume jewelry and jewelers findings. 547,830, Sept. 11; Serial No. 589,039, published June 19, 1951. Class 28.

Parfum L'Orle, Inc., New York, N. Y. Perfumes and toilet waters. 547,758, Sept. 11; Serial No. 572,997, published May 29, 1951. Class 51.

Parker Perry Company, Lyndhurst, N. J. Load carrier. 547,836, Sept. 11; Serial No. 589,866, published Feb. 6, 1951. Class 19.

Parsons Company, The, Newton, Iowa. Excavating, trench, or ditch digging machines. 547,781, Sept. 11; Serial No. 579,053, published June 5, 1951. Class 23.

Pastene & Co., Inc.: *See*—
Pastene, P., & Co., Inc.

Pastene, P., & Co., Inc., Boston, Mass., to Pastene & Co., Inc., New York, N. Y. Canned fruits, canned vegetables, canned milk, etc. 286,751, renewed Sept. 1, 1951. O. G. Sept. 11. Class 46.

Patou, Jean, Inc.: *See*—
Societe Anonyme Jean Patou.

Patrick and Hudson Drug Co., Bladensburg, Md. Medicinal ointment. 547,717, Sept. 11; Serial No. 552,080, published Nov. 2, 1948. Class 18.

Patterson Manufacturing Company, Miami, Okla. Men's, women's, boys', and girls' dungarees. 547,905, Sept. 11; Serial No. 598,925, published June 12, 1951. Class 39.

Paul, F. H., & Stein Bros., Inc., New York, N. Y. Refined de-waxed flake shellac. 547,859, Sept. 11; Serial No. 593,929, published June 5, 1951. Class 1.

Penn Swing & Ladder Company: *See*—
Lehman, Joseph A.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Germicides, bleaching compositions, caustic alkalis. 547,734, Sept. 11; Serial No. 560,045, published May 22, 1951. Class 6.

Perlstein, H., Philadelphia, Pa. Cut glass, ornamental glass, plate glass, etc. 287,889, renewed Oct. 13, 1951. O. G. Sept. 11. Class 33.

Permatex Company, Inc., Sheepshead Bay and Brooklyn, N. Y. Fast drying and hard setting, and non-hardening and pliable adhesive. 547,708, Sept. 11; Serial No. 546,869, published May 29, 1951. Class 5.

Personal Products Corporation: *See*—
Rodgers, Dorothy F.

Personality Clothes, Inc., New York, N. Y. Men's suits, coats, topcoats, etc. 547,918, Sept. 11; Serial No. 600,073, published May 22, 1951. Class 39.

Petri Cigar Company: *See*—
Petri Wine Company.

Petri Wine Company, San Francisco, Calif., by change of name from Petri Cigar Company, doing business as Petri Wine Company, Wines. 548,033, Sept. 11; Serial No. 565,961. Class 47.

Pfister, Rose M., doing business as Western Home Products Co., Buffalo, N. Y. Fountain brushes. 547,776, Sept. 11; Serial No. 578,281, published June 12, 1951. Class 29.

Photo Research Corp., Burbank, Calif. Photoelectric color temperature meter. 548,036, Sept. 11; Serial No. 570,064. Class 26.

Piaggio & Co. Societa per Azioni, Genoa, Italy. Motor cars, motorcycles, three-wheeled motor cars and trucks, etc. 547,765–6, Sept. 11; Serial Nos. 575,088–9, published May 29, 1951. Class 19.

Pittsburgh-Corning Corporation, Pittsburgh, Pa. Cellular structural material. 398,771, Nov. 24, 1942. Corrected. O. G. Sept. 11. Class 12.

Plane Bleach Co.: *See*—
Paradis, Aime H.

Plymouth Company Incorporated, The, Plymouth, Wis. Display and advertising novelties of all sorts. 547,973, Sept. 11; Serial No. 603,417, published June 12, 1951. Class 50.

Polymer Corporation Limited, Sarnia, Ontario, Canada. Synthetic rubber. 547,755, Sept. 11; Serial No. 571,744, published May 22, 1951. Class 1.

Ponemah Mills, Taftville, Conn. Cotton piece goods. 548,001, Sept. 11; Serial No. 605,436, published June 12, 1951. Class 42.

Procter & Gamble Company, The: *See*—
Aspegren & Co.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 287,289, renewed Sept. 15, 1951. O. G. Sept. 11. Class 52.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 288,302, renewed Oct. 20, 1951. O. G. Sept. 11. Class 52.

Proctor Electric Company, Philadelphia, Pa. Electrically operated pressure cookers. 548,014, Sept. 11; Serial No. 607,828, published June 19, 1951. Class 21.

Productive Equipment Corporation, Chicago, Ill. Mechanical vibrating screens. 547,748–9, Sept. 11; Serial Nos. 569,098–9, published June 5, 1951. Class 23.

Protein Mineral Co., Inc.: *See*—
Milk Minerals Co., Inc.

Providence Braid Company, Pawtucket, R. I. Sleevings for electrical insulation. 547,775, Sept. 11; Serial No. 577,593, published June 19, 1951. Class 21.

Pry Corporation of America: *See*—
Sanipro Corporation of America, Incorporated.

REF Manufacturing Corporation, Mineola, N. Y. Galley units, parts, supplies, and equipment. 547,730, Sept. 11; Serial No. 558,811, published June 12, 1951. Class 32.

Radocy, P A & Sons: *See*—
Radocy, P. F.

Radocy, Paul F., doing business as P A Radocy & Sons, Rossford, Ohio. Poultry equipment. 547,956, Sept. 11; Serial No. 602,524, published June 12, 1951. Class 50.

Rand, William, Inc., New York, N. Y. Costume jewelry. 547,910, Sept. 11; Serial No. 599,258, published June 19, 1951. Class 28.

Regal Plastic Company, Kansas City, Mo. Garment supporting attachments. 547,927, Sept. 11; Serial No. 600,446, published June 12, 1951. Class 50.

Regal Products Co., San Francisco, Calif., and New York, N. Y., to Gairee Products Co., Inc., New York, N. Y. Preparation for the destroying of moth larvae and eggs. 287,526, renewed Sept. 29, 1951. O. G. Sept. 11. Class 6.

Relda Trading Company, Inc., The: *See*—
Alder & Oppenheimer Aktiengellschaft.

Retrospective Insurance Underwriters, Inc., now by change of name Kirk A. Landon and Associates Inc., Miami, Fla. Underwriting of finance insurance. 548,021, Sept. 11; Serial No. 572,205, published June 12, 1951. Class 102.

Richvein Coal Company, The, Cincinnati, Ohio. Coal. 547,949, Sept. 11; Serial No. 602,219, published June 19, 1951. Class 1.

Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y., to Riegel Paper Corporation, New York, N. Y. Tympan paper and bristol board. 288,073, renewed Oct. 20, 1951. O. G. Sept. 11. Class 37.

Rite Form Corset Co., Inc., New York, N. Y. Corsets and girdles. 548,044, Sept. 11; Serial No. 585,544. Class 39.

Rockbestos Products Corporation, New Haven, Conn. Electric cables and other electric conductors. 288,952, renewed Nov. 10, 1951. O. G. Sept. 11. Class 21.

Rodgers, Dorothy F., New York, N. Y., assignor, by mesne assignments, to Personal Products Corporation, North Brunswick Township, N. J. Disposable cleaning swab pads and handles and holders therefor. 547,880–1, Sept. 11; Serial Nos. 596,754–5, published June 12, 1951. Class 29.

Rogers, Jno. D.: *See*—
Rogers, John D.

Rogers, John D., doing business under the trade name of Jno. D. Rogers, Navasota, Tex. Cotton planting seed. 547,860, Sept. 11; Serial No. 593,931, published May 8, 1951. Class 1.

Roseth Corporation, Brooklyn, N. Y. Mothproof bags. 179,986, Feb. 19, 1924. Republished Sept. 11. Class 2.

Rulon Laboratories, Inc., Burlington, Iowa. Cleaning compounds. 547,798, Sept. 11; Serial No. 583,295, published May 29, 1951. Class 52.

Saks & Company, New York, N. Y. Infants', children's, and boys' apparel. 547,899, Sept. 11; Serial No. 598,605, published June 12, 1951. Class 39.

Sanipro Corporation of America, Incorporated, now by change of name, Pry Corporation of America, Brooklyn, N. Y. Chemical cleanser and disinfectant. 547,824, Sept. 11; Serial No. 587,509, published June 12, 1951. Class 52.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 547,704, Sept. 11; Serial No. 541,195, published June 19, 1951. Class 48.

Schmidt Bros., Buffalo, N. Y. Russian dressing, mayonnaise, tartar sauce, etc. 547,699, Sept. 11; Serial No. 534,379, published Apr. 24, 1951. Class 46.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's chemises, princess slips, bloomers, etc. 548,039, Sept. 11; Serial No. 582,652. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips, nightgowns, pajamas, etc. 548,052, Sept. 11; Serial No. 598,110. Class 39.

Schroeder Brothers Minkery, La Farge, Wis. Mink pelts. 547,935, Sept. 11; Serial No. 601,336, published June 12, 1951. Class 1.

Schutter Johnson Candy Company Inc., Chicago, Ill., to Universal Match Corporation, St. Louis, Mo. Candy. 287,103, renewed Sept. 15, 1951. O. G. Sept. 11. Class 46.

Seamprufe Incorporated, New York, N. Y. Women's apparel. 547,935, Sept. 11; Serial No. 600,985, published June 19, 1951. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Automobile tires. 284,339, renewed June 23, 1951. O. G. Sept. 11. Class 35.

Sears, Roebuck and Co., Chicago, Ill. Furniture slip covers, Venetian blinds, etc. 547,732, Sept. 11; Serial No. 559,341, published June 5, 1951. Class 32.

Sharp & Dohme, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Laxative confection. 82,113, rerenewed May 30, 1951. O. G. Sept. 11. Class 18.

Sharp & Dohme, Incorporated: *See*—
Sharp & Dohme.

Shell Oil Company, San Francisco, Calif., to Shell Oil Company, New York, N. Y. Gasoline, kerosene, gas oil, etc. 286,178, renewed Aug. 18, 1951. O. G. Sept. 11. Class 15.

Sherman, Nat, Company: *See*—
Sherman, Nathan.

Sherman, Nathan, doing business as Nat Sherman Company, New York, N. Y. Cigarettes. 548,046, Sept. 11; Serial No. 587,132. Class 17.

Shillito, John, Company, The: *See*—
Federated Department Stores, Inc.

Signal Oil Company, Los Angeles, Calif. Fuel oil, road oil, stove oil, etc. 547,849, Sept. 11; Serial No. 592,340, published June 12, 1951. Class 15.

Sikes Company, The, Buffalo, N. Y. Office furniture. 547,710, Sept. 11; Serial No. 547,671, published June 12, 1951. Class 32.

Silbernagel & Company, by Silbernagel Company, Inc., Pine Bluff, Ark. Hen feed, all-grain feed, heavy grain feed, etc. 259,731, Aug. 6, 1929. Republished Sept. 11. Class 46.

Silbernagel Company, Inc.: *See*—
Silbernagel & Company.

Simon, M. & D., Company Incorporated, Cleveland, Ohio. Neckties. 547,721, Sept. 11; Serial No. 553,530, published June 12, 1951. Class 39.

Sleepmaster Products Company, Inc., Newark, N. J. Cushions for seats, backs and arms of furniture, etc. 547,796, Sept. 11; Serial No. 583,174, published June 5, 1951. Class 32.

Smith, Kline & French Laboratories, Philadelphia, Pa. General tonic. 547,976, Sept. 11; Serial No. 603,601, published June 5, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 547,977, Sept. 11; Serial No. 603,602, published June 5, 1951. Class 18.

Smith, Leathem D., Shipbuilding Co., Sturgeon Bay, Wis. Large walk-in metal freight shipping containers. 547,684, Sept. 11; Serial No. 498,176, published Aug. 8, 1950. Class 2.

Société a Responsabilité Limitée Balenciaga, Paris, France. Perfumery, toilet water, cologne. 547,687, Sept. 11; Serial No. 518,703, published May 29, 1951. Class 51.

Societe Anonyme Jean Patou, Paris, France, to Jean Patou, Inc., New York, N. Y. Perfumes, toilet waters, face powder, etc. 289,083–4, renewed Nov. 17, 1951. O. G. Sept. 11. Class 51.

Society Brand Clothes, Inc.: *See*—
Decker, Alfred, & Cohn, Inc.

Sonneborn, L., Sons, Inc., New York, N. Y. Asphalt compositions and paints. 84,050, rerenewed Oct. 31. 1951. O. G. Sept. 11. Class 16.

Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y. Sulphur. 547,771, Sept. 11; Serial No. 576,148, published June 12, 1951. Class 6.

Southern Mills, Incorporated, Atlanta, Ga. Woven cotton feed ribbons. 288,586, renewed Nov. 3, 1951. O. G. Sept. 11. Class 2.

Special Chemicals Corp., New York, N. Y. Solders. 547,914, Sept. 11; Serial No. 599,597, published June 26, 1951. Class 14.

Special Products Company: *See*—
McNabb, Edgar M.

Speidel Corporation, Providence, R. I. Bracelets. 547,915, Sept. 11; Serial No. 599,663, published May 8, 1951. Class 28.

Standard Brands Incorporated, New York, N. Y. Oleomargarine, salad dressing, and sandwich spread. 547,894, Sept. 11; Serial No. 598,212, published May 15, 1951. Class 46.

Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Cotton thread and cotton yarn. 287,624, renewed Sept. 29, 1951. O. G. Sept. 11. Class 43.

Stanley Home Products, Inc., Westfield, Mass. Chemical disinfectant. 547,819, Sept. 11; Serial No. 586,553, published June 5, 1951. Class 6.

Stansbury Chemical Co., Seattle, Wash. Preparation used for the treatment of symptoms of bronchial asthma and hay fever, etc. 548,009, Sept. 11; Serial No. 606,242, published June 5, 1951. Class 18.

Steel, Frank R., Inc., Chicago, Ill. Artificial fish lures. 548,038, Sept. 11; Serial No. 580,952. Class 22.

Stevens, J. P., & Co., Inc., New York, N. Y. Woolen and mixtures of woolen and rayon fabrics. 547,700, Sept. 11; Serial No. 534,388, published June 12, 1951. Class 42.

Stockham Pipe & Fitting Co., to Stockham Valves & Fittings, Inc., Birmingham, Ala. Pipe and pipe fittings. 283,696, renewed June 2, 1951. O. G. Sept. 11. Class 13.

Stockham Valves & Fittings, Inc.: *See*—
Stockham Pipe & Fitting Co.

Strauss, Herman G., doing business as Velva-Sheen Co., Denver, Colo. Liquid preparation for polishing and cleaning furniture, etc. 547,768, Sept. 11; Serial No. 575,607, published June 12, 1951. Class 4.

Stromberg-Carlson Company, Rochester, N. Y. Radio and television sets. 547,720, Sept. 11; Serial No. 553,419, published June 12, 1951. Class 21.

Stuart-Chase Co., North Bergen, N. J. Medicinal preparation. 547,715, Sept. 11; Serial No. 551,493, published Aug. 17, 1948. Class 18.

Sun Vertikal Blind Company, Grand Rapids, Mich. Window blinds. 547,950, Sept. 11; Serial No. 602,229, published May 29, 1951. Class 32.

Sun-Glow Industries, Inc., Mansfield, Ohio. Bedroom suites, bunk beds, etc. 547,685, Sept. 11; Serial No. 501,422, published June 19, 1951. Class 32.

Superior Sleeprite Corporation, Chicago, Ill. Desks, chests of drawers, vanity chairs, etc. 547,728, Sept. 11; Serial No. 557,224, published June 19, 1951. Class 32.

Sutherland Paper Company, Kalamazoo, Mich. Paper plates and cups. 548,043, Sept. 11; Serial No. 584,206. Class 2.

Swank, Inc., Attleboro, Mass. Tie holder. 547,911, Sept. 11; Serial No. 599,279, published June 19, 1951. Class 28.

Swanney, McDonald & Williams, Los Angeles, Calif. Automobile accessory trim. 547,811, Sept. 11; Serial No. 585,728, published May 29, 1951. Class 19.

Sweet Manufacturing Co., Dallas, Tex. Men's and boys' sport shirts and sweaters. 547,845, Sept. 11; Serial No. 591,528, published May 22, 1951. Class 39.

Swett's, Dr., Root Beer Company, Inc., Chicago, Ill. Non-alcoholic, non-cereal maltless beverages. 548,040, Sept. 11; Serial No. 582,745. Class 45.

Tabin, Adrian, Corporation, Chicago, Ill. Ladies' dresses. 547,759, Sept. 11; Serial No. 573,153, published June 5, 1951. Class 39.

Technical Porcelain and Chinaware Co., El Cerrito, Calif. Domestic, household and restaurant chinaware. 547,926, Sept. 11; Serial No. 600,403, published May 8, 1951. Class 30.

Technicon Company, The, New York, N. Y. Automatic pipette washers, and water baths. 547,778, Sept. 11; Serial No. 578,741, published Feb. 13, 1951. Class 26.

Teletype Corporation, assignor to Teletypesetter Corporation, to Teletype Corporation, Chicago, Ill. Electrically-controlled typesetting and typecasting apparatus and electrical control units, etc. 284,366, renewed June 23, 1951. O. G. Sept. 11. Class 21.

Teletypesetter Corporation: *See*—
Teletype Corporation.

Terrasol Products, Inc., New York, N. Y. 15 milligram diethylstilbestrol pellets. 548,006, Sept. 11; Serial No. 605,538, published June 5, 1951. Class 18.

Terrislak, Inc., New York, N. Y. Slacks. 547,891–2, Sept. 11; Serial Nos. 597,921–2, published June 12, 1951. Class 39.

This Is It Company, Inc., Baltimore, Md. Instruction of and training of employees of commercial companies. 548,023, Sept. 11; Serial No. 582,111, published June 12, 1951. Class 107.

Thompson's Malted Food Company, Waukesha, Wis., to The Borden Company, New York, N. Y. Food beverage powder. 282,289, renewed Apr. 14, 1951. O. G. Sept. 11. Class 46.

Thread Mills Company, The, Monticello, Ind., to McCoy, Jones & Company, Inc., Chicago, Ill. Thread and yarn. 285,407, renewed July 28, 1951. O. G. Sept. 11. Class 43.

Timken Roller Bearing Company, The: *See*—
Timken Steel and Tube Company.

Timken Steel and Tube Company, The, to The Timken Roller Bearing Company, Canton, Ohio. Steel and alloy steel. 283,740, renewed June 2, 1951. O. G. Sept. 11. Class 14.

Titmus Optical Company, Inc., Petersburg Va. Optical lenses. 289,134, renewed Nov. 17, 1951. O. G. Sept. 11. Class 26.

Tribune Company, Chicago, Ill. Newspapers. 81,645, Apr. 25, 1911. Republished Sept. 11. Class 38.

Trostel, Albert, & Sons Company, Milwaukee, Wis. Leather. 547,807, Sept. 11; Serial No. 584,301, published June 19, 1951. Class 1.

Turner, Guy L., doing business as Guy L. Turner Mfg. Co., Boise, Idaho. Hair-tonic and shampoo. 547,808, Sept. 11; Serial No. 584,364, published June 5, 1951. Class 51.

Turner, L., Mfg. Co.: *See*—
Turner, Guy L.

Union Pharmaceutical Co., Inc., Bloomfield, N. J. Laxative and antihistamine preparations. 547,982, Sept. 11; Serial No. 603,906, published June 5, 1951. Class 18.

United Metal Box Co., Inc., Brooklyn, N. Y. Steel bath room cabinets, steel kitchen cabinets, etc. 547,705, Sept. 11; Serial No. 544,939, published June 5, 1951. Class 32.

United Metal Box Co., Inc., Brooklyn, N. Y. Steel bath room cabinets, steel kitchen cabinets, etc. 547,706, Sept. 11; Serial No. 544,941, published June 5, 1951. Class 32.

United Shoe Machinery Corporation, Boston, Mass., and Paterson, N. J., to The B. F. Goodrich Company, Akron, Ohio. Rubber heels. 288,713, renewed Nov. 3, 1951. O. G. Sept. 11. Class 39.

United Van Lines, Inc., St. Louis, Mo. Moving, trucking and hauling, household goods. 548,022, Sept. 11; Serial No. 579,363, published June 12, 1951. Class 105.

Universal Dental Company, Philadelphia, Pa. Artificial teeth. 547,718, Sept. 11; Serial No. 553,035, published June 12, 1951. Class 44.

Universal Match Corporation: *See*—
Schutter Johnson Candy Company Inc.

Urman-Burger Hat Mfg. Co., The, Cleveland, Ohio. Men's hats. 282,652, Apr. 28, 1931. Republished Sept. 11. Class 39.

Utica and Mohawk Cotton Mills, Inc., Utica, N. Y. Sheeting, sheets, and pillowcases. 547,843, Sept. 11; Serial No. 591,056, published June 12, 1951. Class 42.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Adhesive cement. 547,952, Sept. 11; Serial No. 602,349, published May 22, 1951. Class 5.

Vanpelt and Brown, Incorporated, Richmond, Va. Ointment. 547,979, Sept. 11; Serial No. 603,869, published May 29, 1951. Class 18.

Van Raalte Company, Inc., New York, N. Y. Women's underwear and lingerie. 548,030, Sept. 11; Serial No. 544,484. Class 39.

Vaughan Mfg. Co., Chicago, Ill. Bottle stoppers. 547,840, Sept. 11; Serial No. 590,769, published June 19, 1951. Class 50.

Velva-Sheen Co.: *See*—
Strauss, Herman G.

Vinco Corporation, Detroit, Mich. Conical involute gears. 548,013, Sept. 11; Serial No. 607,731, published May 29, 1951. Class 23.

Vitelli, F., & Son, New York, N. Y. Canned peeled tomatoes and canned tomato paste. 284,295, renewed June 23, 1951. O. G. Sept. 11. Class 46.

Walker, Emil J., doing business as Estro Products Co., Los Angeles, Calif. Toilet creams. 547,731, Sept. 11; Serial No. 559,075, published June 5, 1951. Class 51.

Walker, Hiram, & Sons Inc., Detroit, Mich. Alcoholic liqueurs and alcoholic cordials. 548,032, Sept. 11; Serial No. 551,501. Class 49.

Wallace & Tiernan Products, Inc., Belleville, N. J. Fluoride-containing preparations. 548,007, Sept. 11; Serial No. 605,821, published June 5, 1951. Class 18.

Walls Manufacturing Co., Inc., Cleburne, Tex. Boys' and girls' clothing. 547,862, Sept. 11; Serial No. 594,344, published May 22, 1951. Class 39.

Walsh, Lester V., Chicago, Ill. Electrically operated emergency vehicle warning lights. 547,912, Sept. 11; Serial No. 599,401, published June 19, 1951. Class 21.

Warp Brothers: *See*—
Warp, Harold.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and as Warp Brothers, assignor to Flex-O-Glass, Inc., Chicago, Ill. Flexible, translucent, sheet material. 547,683, Sept. 11; Serial No. 468,932, published June 12, 1951. Class 50.

Watson Manufacturing Company, Inc., Jamestown, N. Y. Open-top racks or cases. 547,737, Sept. 11; Serial No. 563,508, published Mar. 13, 1951. Class 32.

Watson Memorial Company, Denver, Colo. Grave markers and monuments. 547,957, Sept. 11; Serial No. 602,528, published June 12, 1951. Class 50.

Watson-Scott Company, Inc., The, Thomasville, Ga. Industrial uniforms. 547,745, Sept. 11; Serial No. 568,290, published June 5, 1951. Class 39.

Wawak Company, Inc., doing business as Ferris Woolen Co., assignor to Ferris Woolen Company, Chicago, Ill. Woolen piece goods. 547,686, Sept. 11; Serial No. 503,779, published June 12, 1951. Class 42.

Weill, Raphael, & Company, San Francisco, Calif. Handkerchiefs. 286,777, renewed Sept. 1, 1951. O. G. Sept. 11. Class 39.

Weinreich Brothers Company, New York, N. Y. Pearl earrings. 547,854, Sept. 11; Serial No. 592,960, published June 19, 1951. Class 28.

Weinstein, B., Inc., Chicago, Ill. Watches, watch movements, and parts thereof. 547,832, Sept. 11; Serial No. 589,352, published May 29, 1951. Class 27.

Weisinger, Joseph G., New York, N. Y. Taximeters. 548,034, Sept. 11; Serial No. 567,551. Class 26.

Wellington Sears Company: *See*—
Wellington, Sears & Company.

Wellington, Sears & Company, Boston, Mass., to Wellington Sears Company, New York, N. Y. Cotton piece goods. 281,218, renewed Mar. 10, 1951. O. G. Sept. 11. Class 42.

Wellman, Lester R., Chicago, Ill. Bookends. 547,941, Sept. 11; Serial No. 601,702, published June 5, 1951. Class 32.

Western Auto Supply Company, Kansas City, Mo. Bevels, bit braces, chisels, etc. 547,701, Sept. 11; Serial No. 536,567, published May 1, 1951. Class 23.

Western Condensing Company, San Francisco, Calif. Dried whey. 547,694, Sept. 11; Serial No. 530,877, published May 1, 1951. Class 46.

Western Home Products Co.: *See*—
Pfister, Rose M.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data, and order books, etc. 444,467, Apr. 10, 1951. Republished Sept. 11. Class 37.

Westinghouse Electric Corporation, Pittsburgh, Pa. Fabricated aluminum and aluminum alloys. 547,787, Sept. 11; Serial No. 579,847, published June 26, 1951. Class 14.

Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Fort Wayne, Ind. Television broadcasting service. 548,019, Sept. 11; Serial No. 560,241, published June 13, 1950. Class 104.

Wheeler Paper Corporation, Albany, N. Y. Toilet paper. 284,433, renewed June 30, 1951. O. G. Sept. 11. Class 37.

White & Wyckoff Mfg. Co., Holyoke, Mass. Writing and printing paper and mailing envelopes. 284,475, renewed June 30, 1951. O. G. Sept. 11. Class 37.

Wieboldt Stores, Inc., Chicago, Ill. Young men's clothing. 547,828, Sept. 11; Serial No. 588,418, published May 22, 1951. Class 39.

Wiechert, George A., New York, N. Y. Plaques and ornamental three-dimensional modelled images, graven or cast. 547,960, Sept. 11; Serial No. 602,657, published June 12, 1951. Class 50.

Wolf Detroit Envelope Company, The, Detroit, Mich. Merchandise and shipping envelopes. 548,047, Sept. 11; Serial No. 591,057. Class 2.

Wollensak Optical Company: *See*—
Zeiss, Carl.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Liquid cleaning compound. 547,984, Sept. 11; Serial No. 604,289, published June 12, 1951. Class 52.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Polyoxyalkylene ether. 547,988, Sept. 11; Serial No. 604,677, published June 26, 1951. Class 6.

Yale & Towne Manufacturing Co., The: *See*—
Yale & Towne Mfg. Co., The.

Yale & Towne Mfg. Co., The, Stamford, Conn., to The Yale & Towne Manufacturing Co., New York, N. Y. Lift trucks and skid platforms. 288,907, renewed Nov. 10, 1951. O. G. Sept. 11. Class 19.

Young, L. A., Spring & Wire Corporation, Detroit, Mich., and San Leandro, Calif. Wire spring elements. 547,925, Sept. 11; Serial No. 600,366, published June 26, 1951. Class 14.

Youngsville Star Mfg. Co., Youngsville, Pa. Bedroom furniture. 547,762, Sept. 11; Serial No. 574,268, published June 12, 1951. Class 32.

Zeiss, Carl, Jena, Germany, by Wollensak Optical Company, Rochester, N. Y. Objective lens systems. 85,306, Feb. 6, 1912. Republished Sept. 11. Class 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bristles for use in the manufacture of brushes. Compagnie Optory. 547,866, Sept. 11; Serial No. 594,761, published May 29, 1951.

Coal. Dickinson Fuel Company. 548,000, Sept. 11; Serial No. 605,432, published June 19, 1951.

Coal. The Eichvein Coal Company. 547,949, Sept. 11; Serial No. 602,219, published June 19, 1951.

Dressed goat skins. John Holt & Company, Inc. 547,865, Sept. 11; Serial No. 594,544, published May 22, 1951.

Granular barytes. National Lead Company. 547,986, Sept. 11; Serial No. 604,485, published June 19, 1951.

Leather. John R. Evans & Company. 547,909, Sept. 11; Serial No. 599,231, published June 19, 1951.

Leather. The Griess-Pfleger Tanning Co. 547,802, Sept. 11; Serial No. 583,691, published June 12, 1951.

Leather. Albert Trostel & Sons Company. 547,807, Sept. 11; Serial No. 584,301, published June 19, 1951.

Leather, leather dressed by the chromic process, etc. Adler & Dyrenfurth Aktiengellschaft. 286,362, renewed Aug. 25, 1951. O. G. Sept. 11.

Leather, Ox hide. Kitchin & Company Limited. 547,750, Sept. 11; Serial No. 570,750, published June 12, 1951.

Leathers, Suede, chrome leather. Kitchin & Company Limited. 547,751, Sept. 11; Serial No. 570,751, published June 12, 1951.

Mink pelts. Mutation Mink Breeders Association. 547,777, Sept. 11; Serial No. 578,607, published June 19, 1951.

Mink pelts. Schroeder Brothers Minkery. 547,938, Sept. 11; Serial No. 601,336, published June 12, 1951.

Packages of solid fuel containing kindling material. Landell Manufacturing Company. 547,786, Sept. 11; Serial No. 579,021, published May 29, 1951.

Raw and expanded vermiculite. American Vermiculite Corporation. 547,880, Sept. 11; Serial No. 597,571, published May 29, 1951.

Refined de-waxed flake shellac. F. H. Paul & Stein Bros., Inc. 547,850, Sept. 11; Serial No. 593,929, published June 5, 1951.

Rubber in powder form. The Goodyear Tire & Rubber Company. 547,945, Sept. 11; Serial No. 601,988, published June 19, 1951.

Seed, Cotton planting. J. D. Rogers. 547,860, Sept. 11; Serial No. 593,951, published May 8, 1951.

Seed, Grass. Gamble-Skogmo, Inc. 547,970, Sept. 11; Serial No. 603,055, published June 19, 1951.

Synthetic rubber. Polymer Corporation Limited. 547,755, Sept. 11; Serial No. 571,744, published May 22, 1951.

Wood pulp. Canadian International Paper Company. 547,885, Sept. 11; Serial No. 597,064, published May 8, 1951.

CLASS 2

Bags. Joe Lowe Corporation. 547,783, Sept. 11; Serial No. 579,116, published Feb. 13, 1951.

Bags, Moistproof. Roseth Corporation. 179,986, Feb. 19, 1924. Republished Sept. 11.

Containers. Large walk-in metal freight shipping. Leathem D. Smith Shipbuilding Co. 547,684, Sept. 11; Serial No. 498,176, published Aug. 8, 1950.

Merchandise and shipping envelopes. The Wolf Detroit Envelope Company. 548,047, Sept. 11; Serial No. 591,057.

Plates and cups, Paper. Sutherland Paper Company. 548,043, Sept. 11; Serial No. 584,206.

Woven cotton feed ribbons, and laundry net bags. Southern Mills, Incorporated. 288,586, renewed Nov. 3, 1951. O. G. Sept. 11.

CLASS 3

Aluminum cases. By-Lo Mfg. Inc. 547,844, Sept. 11; Serial No. 591,352, published June 5, 1951.

Brief cases. Max Damm Company, Inc. 287,249, renewed Sept. 15, 1951. O. G. Sept. 11.

CLASS 4

Automobile wax and floor wax. Alpha Chemical Co., Inc. 547,898, Sept. 11; Serial No. 598,562, published June 12, 1951

Liquid preparation for polishing and cleaning furniture, etc. H. G. Strauss. 547,768, Sept. 11; Serial No. 575,607, published June 12, 1951.

Polish. Barton Manufacturing Company. 547,742, Sept. 11; Serial No. 567,016, published June 12, 1951.

CLASS 5

Adhesive, Fast drying and hard setting, and non-hardening and pliable. Permatex Company, Inc. 547,708, Sept. 11; Serial No. 546,869, published May 29, 1951.

Cement, Adhesive. R. T. Vanderbilt Company, Inc. 547,952, Sept. 11; Serial No. 602,349, published May 22, 1951.

Foundry supplies, namely, core binders, etc. The Oliess Core Binder Company. 547,723, Sept. 11; Serial No. 555,953, published May 22, 1951.

Glue, Liquid. H. D. Hukill. 547,943, Sept. 11; Serial No. 601,789, published May 29, 1951.

Tape, Adhesive-coated reinforcing. B. B. Chemical Co. 547,804, Sept. 11; Serial No. 584,102, published May 22, 1951.

CLASS 6

Ammonia, Clear and cloudy. Gristede Bros., Inc. 324,441, May 21, 1935. Republished Sept. 11.

Bleaching solution. S. Lo Parrino. 547,955, Sept. 11; Serial No. 602,461, published June 19, 1951.

Chemical disinfectant. Stanley Home Products, Inc. 547,819, Sept. 11; Serial No. 586,553, published June 5, 1951.

Compounds for the waterproofing and rotproofing of fabrics or leather. J. W. Johnson Company. 547,947, Sept. 11; Serial No. 602,095, published June 19, 1951.

Germicidal preparation. Mark Laboratories, Inc. 547,793, Sept. 11; Serial No. 582,570, published June 12, 1951.

Germicide and fungicide, Organic chemical. General Biochemicals, Inc. 547,980, Sept. 11; Serial No. 603,882, published June 19, 1951.

Germicides, bleaching compositions, caustic alkalis. The Pennsylvania Salt Manufacturing Company. 547,734, Sept. 11; Serial No. 560,045, published May 22, 1951.

Insecticide, Specially prepared. The W. H. Loomis Talc Corporation. 369,699, Aug. 1, 1939. Republished Sept. 11.

Polyoxyalkylene ether. Wyandotte Chemicals Corporation. 547,988, Sept. 11; Serial No. 604,677, published June 26, 1951.

Preparation for the destroying of moth larvae and eggs. Regal Products Co. 287,526, renewed Sept. 29, 1951. O. G. Sept. 11.

Resin finish. E. I. du Pont de Nemours and Company. 547,987, Sept. 11; Serial No. 604,628, published June 26, 1951.

Spray, Moth, and moth crystals. L. Lux. 547,989, Sept. 11; Serial No. 604,698, published June 26, 1951.

Sulphur. Southern Acid & Sulphur Company, Incorporated. 547,771, Sept. 11; Serial No. 576,148, published June 12, 1951.

Synthetic resin. Hercules Powder Company. 547,942, Sept. 11; Serial No. 601,730, published June 19, 1951.

Water treating compounds. Hagan Corporation. 547,773, Sept. 11; Serial No. 576,582, published June 12, 1951.

Waxes and emulsifiers. Abril Corporation (Gt. Britain) Limited. 547,779, Sept. 11; Serial No. 578,754, published June 12, 1951.

Weed control preparation. Pacific Coast Borax Company. 547,789, Sept. 11; Serial No. 581,206, published Mar. 13, 1951.

CLASS 11

Carbon paper. Columbia Ribbon & Carbon Mfg. Company, Inc. 547,917, Sept. 11; Serial No. 599,515, published June 5, 1951.

Carbon paper and typewriter ribbons. Columbia Ribbon & Carbon Manufacturing Company, Inc. 547,953, Sept. 11; Serial No. 602,370, published June 19, 1951.

Inks, Stencil duplicating, and ink pads. A. B. Dick Company. 547,954, Sept. 11; Serial No. 602,377, published June 19, 1951.

Marking paste. Kaumagraph Company. 282,764, Apr. 28, 1931. Republished Sept. 11.

CLASS 12

Brick, Fire. Laclede-Christy Co. of Pa. 547,722, Sept. 11; Serial No. 554,579, published May 29, 1951.

Cellular structural material. Pittsburgh-Corning Corporation. 398,771, Nov. 24, 1942. Corrected. O. G. Sept. 11.

Construction materials. All-Steel Equipment Inc. 547,724, Sept. 11; Serial No. 556,522, published May 22, 1951

Metal trims, etc. Metal Trims, Incorporated. 547,757, Sept. 11; Serial No. 572,909, published June 5, 1951.

CLASS 13

Expansion joints. Foster Wheeler Corporation. 285,961, renewed Aug. 11, 1951. O. G. Sept. 11.

Pipe and pipe fittings. Stockham Pipe & Fitting Co. 283,696, renewed June 2, 1951. O. G. Sept. 11.

CLASS 14

Aluminum, Fabricated, and aluminum alloys. Westinghouse Electric Corporation. 547,787, Sept. 11; Serial No. 579,847, published June 26, 1951.

Iron, Enameling. Armco Steel Corporation. 547,908, Sept. 11; Serial No. 599,218, published June 26, 1951.

Iron, Pig. Bethlehem Steel Company. 548,012, Sept. 11; Serial No. 607,366, published June 26, 1951.

Solder. Kester Solder Company. 547,764, Sept. 11; Serial No. 574,843, published June 26, 1951.

Solders, Special Chemicals Corp. 547,914, Sept. 11; Serial No. 599,597, published June 26, 1951.

Steel, Alloy, Allegheny Ludlum Steel Corporation. 547,733, Sept. 11; Serial No. 559,485, published June 26, 1951.

Steel and alloy steel. The Timken Steel and Tube Company. 283,740, renewed June 2, 1951. O. G. Sept. 11.

Steel, Pre-hardened hot-worked alloy die. Heppenstall Company. 548,011, Sept. 11; Serial No. 607,290, published June 26, 1951.

Steel sheets and tin coated steel sheets. National Steel Corporation. 434,657, Dec. 2, 1947. Republished Sept. 11.

Tin plate. National Steel Corporation. 423,310, Aug. 27, 1946. Republished Sept. 11.

Wire spring elements. L. A. Young Spring & Wire Corporation. 547,925, Sept. 11; Serial No. 600,366, published June 26, 1951.

CLASS 15

Gasoline, kerosene, gas oil, etc. Shell Oil Company. 286,178, renewed Aug. 18, 1951. O. G. Sept. 11.

Grease, Lubricating. Continental Oil Company. 284,103, renewed June 16, 1951. O. G. Sept. 11.

Lubricant, Penetrating, for engines, and other machinery. Luber-Tone, Inc. 547,981, Sept. 11; Serial No. 603,889, published May 29, 1951.

Oil, Fuel, road oil, stove oil, etc. Signal Oil Company. 547,849, Sept. 11; Serial No. 592,340, published June 12, 1951.

Oil, Lubricating. Continental Oil Company. 283,566–7, renewed June 2, 1951. O. G. Sept. 11.

Oil, Lubricating. Continental Oil Company. 283,690–3, renewed June 2, 1951. O. G. Sept. 11.

Oil, Lubricating. Continental Oil Company. 284,307, renewed June 23, 1951. O. G. Sept. 11.

Oil, Lubricating. Continental Oil Company. 284,311, renewed June 23, 1951. O. G. Sept. 11.

Oil, Lubricating. Continental Oil Company. 285,216, renewed July 21, 1951. O. G. Sept. 11.

Oils, Lubricating, and greases. Continental Oil Company. 283,697, renewed June 2, 1951. O. G. Sept. 11.

Oils, Motor lubricating, and lubricating greases. Panhandle Refining Company, Inc. 444,557, Sept. 11; Serial No. 503,117, published June 12, 1951.

Oils, Penetrating. Black Jack Oil Company. 547,983, Sept. 11; Serial No. 604,187, published May 29, 1951.

CLASS 16

Asphalt compositions and paints. L. Sonneborn Sons, Inc. 84,050, re-renewed Oct. 31, 1951. O. G. Sept. 11.

Enamels, Paint. Brininstool Paint Co. 283,013, renewed May 12, 1951. O. G. Sept. 11.

CLASS 17

Cigarettes. N. Sherman. 548,046, Sept. 11; Serial No. 587,132.

Tobacco, Plug, twist, cut plug smoking, and leaf tobacco. Maclin-Zimmer Tobacco Co. Incorporated. 84,184, re-renewed Nov. 14, 1951. O. G. Sept. 11.

Tobacco, Smoking. Charles & Co., Inc. 411,938, Feb. 13, 1945. Republished Sept. 11.

CLASS 18

Antiseptic preparation. E. D. Millaway. 547,872, Sept. 11; Serial No. 596,292, published June 5, 1951.

Artificial carbonated lithiated water. Gristede Bros., Inc. 334,874, May 19, 1936. Republished Sept. 11.

Artificial carbonated lithiated water. Gristede Bros., Inc. 334,885, May 19, 1936. Republished Sept. 11.

Bougie and the like, etc., for veterinary use. F. E. Martin. 547,809, Sept. 11; Serial No. 584,629, published June 5, 1951.

Cholagogues and choleratics. Ames Company, Inc. 436,237, Jan. 27, 1948. Republished Sept. 11.

Choleretic and cholagogue. Ives-Cameron Company, Inc. 547,972, Sept. 11; Serial No. 603,296, published June 5, 1951.

Diethylstilbestrol pellets, 15 milligram. Terrasol Products, Inc. 548,006, Sept. 11; Serial No. 605,538, published June 5, 1951.

Disinfectant. Istituto Farmaco-Biologico Raffaello Pagni. 547,782, Sept. 11; Serial No. 579,103, published May 22, 1951.

Fluoride-containing preparations. Wallace & Tiernan Products, Inc. 548,007, Sept. 11; Serial No. 605,621, published June 5, 1951.

Hypnotic agent for rectal administration. Ames Company, Inc. 436,521, Feb. 10, 1948. Republished Sept. 11.

Laxative and antihistamine preparations. Union Pharmaceutical Co., Inc. 547,982, Sept. 11; Serial No. 603,906, published June 5, 1951.

Laxative confection. Sharp & Dohme. 82,115, re-renewed May 30, 1951. O. G. Sept. 11.

Liquid demulcent preparation. Norwich Pharmacal Company. 285,672, renewed Aug. 4, 1951. O. G. Sept. 11.

Medicinal ointment. Patrick and Hudson Drug Co. 547,717, Sept. 11; Serial No. 552,080, published Nov. 2, 1948.

Medicinal preparation. Brookfield Laboratories. 547,698, Sept. 11; Serial No. 532,552.

Medicinal preparation. Charles C. Haskell and Co., Inc. 547,929, Sept. 11; Serial No. 600,483, published May 29, 1951.

Medicinal preparation. Lucky Products Co. 547,995, Sept. 11; Serial No. 604,978, published May 29, 1951.

Medicinal preparation. Smith, Kline & French Laboratories. 547,977, Sept. 11; Serial No. 603,602, published June 5, 1951.

Medicinal preparation. Stuart-Chase Co. 547,715, Sept. 11; Serial No. 551,493, published Aug. 17, 1948.

Narcotic preparation. Endo Products Inc. 547,939, Sept. 11; Serial No. 601,609, published June 5, 1951.

Ointment. Vanpelt and Brown, Incorporated. 547,979, Sept. 11; Serial No. 603,869, published May 29, 1951.

Pharmaceutical analgesic tablets. National Package Drugs, Inc. 547,005, Sept. 11; Serial No. 606,525, published June 5, 1951.

Pharmaceutical preparation. F. S. Malcolm. 547,902, Sept. 11; Serial No. 604,853, published May 29, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,873, Sept. 11; Serial No. 596,580, published June 5, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,874, Sept. 11; Serial No. 596,581, published May 29, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,875, Sept. 11; Serial No. 596,583, published May 29, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,876, Sept. 11; Serial No. 596,587, published June 5, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,877, Sept. 11; Serial No. 596,589, published May 29, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 547,878, Sept. 11; Serial No. 596,590, published June 5, 1951.

Pharmaceutical preparation. Nutrition Research Laboratories, Inc. 548,008, Sept. 11; Serial No. 606,081, published June 5, 1951.

Preparation for treating kidney, bladder, and prostate gland ailments. The Maggie Lyons Mfg. Co. 547,833, Sept. 11; Serial No. 589,387, published May 29, 1951.

Preparation used as hypnotic, sedative, and anesthetic. Ames Company, Inc. 436,520, Feb. 10, 1948. Republished Sept. 11.

Preparation used for the treatment of symptoms of bronchial asthma and hay fever etc. Stansbury Chemical Co. 548,009, Sept. 11; Serial No. 606,242, published June 5, 1951.

Stimulant, Central nervous system, and appetite depressant. Maltbie Laboratories, Inc. 547,887, Sept. 11; Serial No. 597,213, published June 5, 1951.

Therapeutic preparation. Ortho Pharmaceutical Corporation. 547,785, Sept. 11; Serial No. 579,350, published May 29, 1951.

Therapeutic vitamin preparation. J. U. Koree. 547,996, Sept. 11; Serial No. 605,039, published June 5, 1951.

Tonic for alleviating throat irritation. S. Hamilton. 547,985, Sept. 11; Serial No. 604,300, published June 5, 1951.

Tonic, General. Smith, Kline & French Laboratories. 547,976, Sept. 11; Serial No. 603,601, published June 5, 1951.

Vitamin and iron compound. Owen Drug Company. 547,919, Sept. 11; Serial No. 600,186, published June 5, 1951.

Vitamin tablets. W. G. Hendricks. 548,003, Sept. 11; Serial No. 605,480, published June 5, 1951.

Yeast cultures in mineral oil and agar agar emulsion. O. E. Glidden. 309,863, Feb. 6, 1934. Republished Sept. 11.

CLASS 19

Automobile accessory trim. Swanney, McDonald & Williams. 547,811, Sept. 11; Serial No. 585,728, published May 29, 1951.
Automobile air and rain deflectors. Kastar Incorporated. 547,882-3, Sept. 11; Serial Nos. 597,001-2, published May 29, 1951.
Automobile seat covers. D. C. Larkin. 547,851, Sept. 11; Serial No. 592,711, published May 29, 1951.
Automobiles. Crosley Motors, Inc. 547,788, Sept. 11; Serial No. 580,582, published May 29, 1951.
Automobiles and bodies thereof. General Motors Corporation. 547,743, Sept. 11; Serial No. 567,257, published May 29, 1951.
Automobiles and their structural parts. Chrysler Corporation. 547,907, Sept. 11; Serial No. 605,145, published May 15, 1951.
Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc. 547,690, Sept. 11; Serial No. 524,983, published May 29, 1951.
Cars, Motor, motorcycles, three-wheeled motor cars and trucks, etc. Piaggio & Co. Societa per Azioni. 547,765-6, Sept. 11; Serial Nos. 575,088-9, published May 29, 1951.
Carts in the nature of dollies. Car-Ree-All Products, Inc. 547,814, Sept. 11; Serial No. 586,220, published May 29, 1951.
Carts in the nature of dollies. Car-Ree-All Products, Inc. 547,901-2, Sept. 11; Serial Nos. 598,703-4, published May 29, 1951.
Lift trucks and skid platforms. The Yale & Towne Mfg. Co. 283,907, renewed Nov. 10, 1951. O. G. Sept. 11.
Load carrier. Parker Perry Company. 547,836, Sept. 11; Serial No. 589,866, published Feb. 6, 1951.
Seat covers for automobiles. The Cussins and Fearn Company. 547,716, Sept. 11; Serial No. 551,620, published May 29, 1951.
Side panels for automobile bodies. M. R. Bellucci. 547,792, Sept. 11; Serial No. 581,853, published May 15, 1951.
Steering wheel controls, gear shift knobs, sun visors, etc. The Cansevar Company. 547,900, Sept. 11; Serial No. 598,702, published May 29, 1951.
Wheels with brackets therefor, Set of. MacArthur Products, Inc. 547,841, Sept. 11; Serial No. 590,986, published Feb. 6, 1951.

CLASS 21

Cables, Electric, and other electric conductors. Rockbestos Products Corporation. 288,952, renewed Nov. 10, 1951. O. G. Sept. 11.
Electrical appliances. Knapp-Monarch Company. 547,994, Sept. 11; Serial No. 604,913, published Apr. 24, 1951.
Electrical switches, etc. The Arrow-Hart & Hegeman Electric Company. 547,800, Sept. 11; Serial No. 583,402, published June 19, 1951.
Electrically-controlled typesetting and type-casting apparatus and electrical control units, etc. Teletype Corporation. 284,366, renewed June 23, 1951. O. G. Sept. 11.
Electrically operated garbage grinders. National Steel Construction Co. 547,991, Sept. 11; Serial No. 604,796, published June 12, 1951.
Fryers, Electric deep fat, and electrically heated butter warmers. Dulane, Inc. 548,016, Sept. 11; Serial No. 608,242, published June 12, 1951.
Lamp ballasts, Fluorescent, and transformers. Advance Transformer Co. 547,863, Sept. 11; Serial No. 594,348, published June 19, 1951.
Phonographs, Portable novelty and children's electrically operated, radios, etc. Major Electronics Co. 547,852, Sept. 11; Serial No. 592,769, published June 19, 1951.
Pressure cookers, Electrically operated. Proctor Electric Company. 548,014, Sept. 11; Serial No. 607,828, published June 19, 1951.
Radio and television sets. Stromberg-Carlson Company. 547,720, Sept. 11; Serial No. 553,419, published June 12, 1951.
Receiving and transmitting instruments, Telephone. Ipsophon Patentgesellschaft A. G. 547,702, Sept. 11; Serial No. 587,766, published June 12, 1951.
Sleevings for electrical insulation. Providence Braid Company. 547,775, Sept. 11; Serial No. 577,593, published June 19, 1951.
Spark plugs and spark-plug porcelains. A. C. Spark Plug Company. 282,099, renewed Apr. 28, 1951. O. G. Sept. 11.
Switches, Rotary selector. Kliegl Bros. Universal Electric State Lighting Co., Inc. 548,015, Sept. 11; Serial No. 608,009, published June 12, 1951.
Warning lights, Electrically operated emergency vehicle. L. V. Walsh. 547,912, Sept. 11; Serial No. 599,401, published June 19, 1951.

CLASS 22

Fish lures, Artificial. Frank R. Steel, Inc. 548,038, Sept. 11; Serial No. 580,952.
Gut strings for rackets. Johnson Suture Corporation. 282,429, renewed Apr. 21, 1951. O. G. Sept. 11.

CLASS 23

Ash-handling apparatus. Beaumont Birch Company. 547,823, Sept. 11; Serial No. 593,776, published June 5, 1951.
Bearings, Anti-friction. Ahlberg Bearing Company. 547,961, Sept. 11; Serial No. 602,666, published May 1, 1951.
Bevels, bit braces, chisels, etc. Western Auto Supply Company. 547,701, Sept. 11; Serial No. 536,567, published May 1, 1951.
Cigarette rolling devices or machines. Brown & Williamson Tobacco Corporation. 289,097, renewed Nov. 17, 1951. O. G. Sept. 11.
Compressors, Rotary, vane type gas, air compressors, and vacuum pumps. J. C. Buckbee Company. 547,784, Sept. 11; Serial No. 579,167, published May 29, 1951.
Conical involute gears. Vinco Corporation. 548,013, Sept. 11; Serial No. 607,731, published May 29, 1951.
Cutting and grinding machines, Metal, taps, drills, etc. Niles-Bement-Pond Company. 547,727, Sept. 11; Serial No. 537,153, published June 5, 1951.
Excavating, trench, or ditch digging machines. The Parsons Company. 547,781, Sept. 11; Serial No. 579,053, published June 5, 1951.
Ground clearing and working implements, Power operated. Marden Manufacturing Company. 547,772, Sept. 11; Serial No. 576,465, published June 5, 1951.
Lubrication equipment. Balcrank, Inc. 547,869, Sept. 11; Serial No. 595,443, published June 5, 1951.
Machinery and machine parts, etc. Armstrong Cork Company. 547,689, Sept. 11; Serial No. 524,933, published June 5, 1951.
Marking devices and accessories therefor. A. C. Gibson Co., Inc. 548,017, Sept. 11; Serial No. 608,309, published May 29, 1951.
Mechanical vibrating screens. Productive Equipment Corporation. 547,748-9, Sept. 11; Serial Nos. 569,098-9, published June 5, 1951.
Milking machine equipment. G. E. Anderson. 547,760, Sept. 11; Serial No. 573,750, published June 5, 1951.
Mobile machinery. The Euclid Crane & Hoist Company. 283,610, renewed June 2, 1951. O. G. Sept. 11.
Posting machines. E. M. McNabb. 547,729, Sept. 11; Serial No. 558,801, published May 1, 1951.
Power-driven portable machines. Colcrete Limited. 547,810, Sept. 11; Serial No. 585,055, published May 1, 1951.
Pumps, Rotary, worm reduction gearing. De Laval Steam Turbine Company. 547,820, Sept. 11; Serial No. 586,629, published June 5, 1951.
Razors and shears. E. Morris Mfg. Co. 284,645, renewed July 7, 1951. O. G. Sept. 11.
Screw drivers and screw driver bits. The Bridgeport Hardware Manufacturing Corporation. 548,010, Sept. 11; Serial No. 606,932, published May 29, 1951.
Transfer machines, Power driven. Paramount Textile Machinery Co. 547,806, Sept. 11; Serial No. 584,248, published June 5, 1951.
Unitary apparatus. The V. D. Anderson Company. 547,831, Sept. 11; Serial No. 589,189, published June 5, 1951.
Woodworking machines and parts thereof, etc. De Walt Products Corporation. 282,751, renewed Apr. 28, 1951. O. G. Sept. 11.

CLASS 24

Pressing pads. Brillo Manufacturing Company, Inc. 287,256, renewed Sept. 15, 1951. O. G. Sept. 11.

CLASS 26

Automatic pipette washers, and water baths. The Technicon Company. 547,776, Sept. 11; Serial No. 578,741, published Feb. 13, 1951.
Daters, Time, and time-dating machines. Instograph, Ltd. 283,175, renewed May 19, 1951. O. G. Sept. 11.
Eye shades. Beacon Plastic & Metal Products. 548,037, Sept. 11; Serial No. 573,112.
Indicating, recording, and controlling instruments. The Bristol Company. 547,842, Sept. 11; Serial No. 591,014, published May 8, 1951.
Lens systems, Objective. C. Zeiss. 85,306, Feb. 6, 1912. Republished Sept. 11.
Lenses, Optical. Titmus Optical Company, Inc. 289,134, renewed Nov. 17, 1951. O. G. Sept. 11.
Lenses, Television screen magnifying, and brackets. Celomat Corporation. 548,031, Sept. 11; Serial No. 550,581.
Meter, Photoelectric color temperature. Photo Research Corp. 548,036, Sept. 11; Serial No. 570,064.
Photographic film. Agfa Ansco Corporation. 283,157, renewed May 19, 1951. O. G. Sept. 11.
Taximeters. J. G. Welsinger. 548,034, Sept. 11; Serial No. 567,551.
Thermometers. Bacharach Industrial Instrument Company. 548,028, Sept. 11; Serial No. 536,334.

CLASS 27

Clocks. General Motors Corporation. 547,861, Sept. 11; Serial No. 594,039, published June 19, 1951.
Watches and parts of watches. R. Lapanouse. 547,870, Sept. 11; Serial No. 595,669, published May 29, 1951.
Watches and watch movements. Juillerat Freres Societe Anonyme. 547,795, Sept. 11; Serial No. 583,098, published June 12, 1951.
Watches, Ladies', and watch movements. American Jewelry Distributors, Inc. 547,746, Sept. 11; Serial No. 568,479, published Feb. 28, 1950.

Watches, watch cases, and watch and clock movements. Adams Watch, Inc. 547,837, Sept. 11; Serial No. 589,941, published May 29, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 547,857, Sept. 11; Serial No. 593,633, published May 8, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 547,962, Sept. 11; Serial No. 602,689, published June 19, 1951.
Watches, watch movements, and parts thereof. B. Weinstein, Inc. 547,832, Sept. 11; Serial No. 589,352, published May 29, 1951.
Watches, watch movements, watch cases, etc. Invicta-Seeland, Inc. 547,930, Sept. 11; Serial No. 600,591, published May 29, 1951.

CLASS 28

Attachments on watch bracelets. Jacoby-Bender, Inc. 547,920, Sept. 11; Serial No. 600,268, published May 15, 1951.
Bracelets. Speidel Corporation. 547,915, Sept. 11; Serial No. 599,663, published May 8, 1951.
Bracelets, necklaces, earrings and brooches. Simulated pearl. Illinois Watch Case Co. 547,967-8, Sept. 11; Serial No. 602,951-2, published June 19, 1951.
Bracelets, Watch. Jacoby-Bender, Inc. 547,921-2, Sept. 11; Serial No. 600,269-70, published May 29, 1951.
Bracelets, wrist watch bracelets. Bruner-Ritter, Inc. 548,002, Sept. 11; Serial No. 605,461, published June 12, 1951.
Earrings, bracelets, pendants, etc. Marino Jewelry Co., Inc. 547,907, Sept. 11; Serial No. 599,106, published June 19, 1951.
Earrings, Pearl. Weinreich Brothers Company. 547,854, Sept. 11; Serial No. 592,960, published June 19, 1951.
Flatware and hollowware, Sterling silver. The Elimore Silver Co., Inc. 547,895, Sept. 11; Serial No. 598,246, published June 12, 1951.
Flatware and hollow ware, Sterling silver, silver plated and silver mounted. Greatrex Ltd. 547,896, Sept. 11; Serial No. 598,361, published May 29, 1951.
Jewelry. Adams Watch, Inc. 547,838, Sept. 11; Serial No. 589,942, published May 29, 1951.
Jewelry, Articles of. New England Glass Works, Inc. 547,975, Sept. 11; Serial No. 603,591, published June 12, 1951.
Jewelry, Costume. Anthony Novelty Co., Inc. 547,817, Sept. 11; Serial No. 586,512, published Apr. 17, 1951.
Jewelry, Costume. William Rand, Inc. 547,910, Sept. 11; Serial No. 599,258, published June 19, 1951.
Jewelry, Real and costume, and jewelers findings. Parco Mfg. Inc. 547,830, Sept. 11; Serial No. 589,039, published June 19, 1951.
Necklaces, bracelets, finger rings, earrings, etc. Coro, Inc. 547,850, Sept. 11; Serial No. 592,550, published May 29, 1951.
Pearls, Genuine, cultured and imitation; jewelry, etc. Thomas Long Company. 547,754, Sept. 11; Serial No. 571,602, published May 29, 1951.
Precious stones, Imitation, and simulated pearls, and costume jewelry. Elliot, Greene & Co. Inc. 547,928, Sept. 11; Serial No. 600,473, published June 19, 1951.
Springs used in expansible watch bracelets. Jacoby-Bender, Inc. 547,923, Sept. 11; Serial No. 600,274, published June 19, 1951.
Table ware, Silver plated. The International Silver Company. 547,964, Sept. 11; Serial No. 602,699, published June 19, 1951.
Table ware, Sterling silver. The International Silver Company. 547,963, Sept. 11; Serial No. 602,698, published June 19, 1951.
Tie holder. Swank, Inc. 547,911, Sept. 11; Serial No. 599,279, published June 19, 1951.
Watch straps. Ebert & Company. 547,818, Sept. 11; Serial No. 586,530, published June 12, 1951.

CLASS 29

Brushes, Fountain. R. M. Pfister. 547,776, Sept. 11; Serial No. 578,281, published June 12, 1951.
Cleaning swab pads, Disposable, and handles and holders therefor. D. F. Rodgers. 547,880-1, Sept. 11; Serial Nos. 596,754-5, published June 12, 1951.

CLASS 30

Chinaware, Domestic, household and restaurant. Technical Porcelain and Chinaware Co. 547,926, Sept. 11; Serial No. 600,403, published May 8, 1951.
Dinnerware, Ceramic. National Silver Company. 547,948, Sept. 11; Serial No. 602,105, published May 22, 1951.
Tableware, China. Castleton China Incorporated. 547,924, Sept. 11; Serial No. 600,324, published May 8, 1951.
Tableware, kitchenware, vases, etc. Aktiebolaget Gustavsbergs Fabriker. 547,834-5; Sept. 11; Serial Nos. 589,411-12, published May 8, 1951.
Tableware, kitchen ware, vases, etc. Aktiebolaget Gustavsbergs Fabriker. 547,848, Sept. 11; Serial No. 592,180, published May 29, 1951.

CLASS 31

Refrigerators. Kaufmann Department Stores, Inc. 281,419, Mar. 17, 1931. Republished Sept. 11.

CLASS 32

Bedding and furniture. Norfolk Mattress Company, Inc. 547,713, Sept. 11; Serial No. 549,831, published June 5, 1951.
Bookends. L. R. Wellman. 547,941, Sept. 11; Serial No. 601,702, published June 5, 1951.
Cabinets, Steel bath room, steel kitchen cabinets, etc. United Metal Box Co., Inc. 547,705, Sept. 11; Serial No. 544,939, published June 5, 1951.
Cabinets, Steel bath room, steel kitchen cabinets, etc. United Metal Box Co., Inc. 547,706, Sept. 11; Serial No. 544,941, published June 5, 1951.
Cushions for seats, backs and arms of furniture, etc. Sleepmaster Products Company, Inc. 547,796, Sept. 11; Serial No. 583,174, published June 5, 1951.
Desks, chests of drawers, vanity chairs, etc. Superior Sleeprite Corporation. 547,728, Sept. 11; Serial No. 557,224, published June 19, 1951.
Desks, desks having movable supports for typewriters, etc. Clemco Desk Manufacturing Co. Inc. 547,739, Sept. 11; Serial No. 565,414, published June 12, 1951.
Dinette sets. The Holabird Company. 547,822, Sept. 11; Serial No. 587,109, published June 5, 1951.
Display stands, Mirrored. J. Frechtmann. 547,937, Sept. 11; Serial No. 601,207, published June 5, 1951.
Furniture. Herman Gundlach, Inc. 547,781, Sept. 11; Serial No. 573,942, published June 5, 1951.
Furniture. Kittinger Company, Inc. 547,790, Sept. 11; Serial No. 581,424, published June 5, 1951.
Furniture. The May Department Stores Company. 547,763, Sept. 11; Serial No. 574,441, published June 19, 1951.
Furniture, Bedroom. Youngsville Star Mfg. Co. 547,762, Sept. 11; Serial No. 574,268, published June 12, 1951.
Furniture, Bedroom, and dining room furniture. Morgan Furniture Company. 547,752, Sept. 11; Serial No. 571,155, published June 5, 1951.
Furniture, Bedroom and household, dining room furniture, etc. Frank A. Hall & Sons. 547,932, Sept. 11; Serial No. 600,801, published June 5, 1951.
Furniture, Household and office. Caro-Craft, Inc. 547,736, Sept. 11; Serial No. 561,227, published June 19, 1951.
Furniture, Office. The Sikes Company. 547,710, Sept. 11; Serial No. 547,671, published June 12, 1951.
Galley units, parts, supplies, and equipment. REF Manufacturing Corporation. 547,730, Sept. 11; Serial No. 558,811, published June 12, 1951.
Hassock. Crawford-Austin Manufacturing Co. 547,959, Sept. 11; Serial No. 602,605, published June 12, 1951.
Mattresses, beds, studio couches, etc. Gold Cross Mattress Corp. 430,036, June 3, 1947. Restricted. O. G. Sept. 11.
Metal wardrobes. The Medart Company. 547,969, Sept. 11; Serial No. 603,017, published June 12, 1951.
Mirrors, Front surface, rear surface mirrors, etc. Libbey-Owens-Ford Glass Company. 547,946, Sept. 11; Serial No. 602,041, published June 12, 1951.
Mirrors, Wall, mirror frames, picture frames, etc. Niepoid's. 547,769, Sept. 11; Serial No. 575,776, published June 19, 1951.
Ornamental valance units. V. H. Goodman. 547,815, Sept. 11; Serial No. 586,277, published June 5, 1951.
Pillows. Bland Charnas Co., Inc. 547,846, Sept. 11; Serial No. 591,666, published June 5, 1951.
Pillows. Edson, Incorporated. 547,801, Sept. 11; Serial No. 583,682, published June 19, 1951.
Racks, Garment, display racks, display mirrors, tables, etc. American Fixture and Manufacturing Co. 547,695, Sept. 11; Serial No. 530,899, published June 19, 1951.
Racks, Open-top, or cases. Watson Manufacturing Company, Inc. 547,737, Sept. 11; Serial No. 563,508, published Mar. 13, 1951.
Rails, Bed side. Keystone Iron & Metal Company. 444,559, Sept. 11; Serial No. 510,599, published June 5, 1951.
Slip covers, Furniture, Venetian blinds, etc. Sears, Roebuck and Co. 547,732, Sept. 11; Serial No. 559,341, published June 5, 1951.
Suites, Bedroom, bunk beds, etc. Sun-Glow Industries, Inc. 547,685, Sept. 11; Serial No. 501,422, published June 19, 1951.
Tables, chairs, stools, etc. Duro Chrome Corporation. 547,965, Sept. 11; Serial No. 602,755, published June 12, 1951.
Window blinds. Sun Vertikal Blind Company. 547,950, Sept. 11; Serial No. 602,229, published May 29, 1951.

CLASS 33

Glass, Cut, ornamental glass, plate glass, etc. H. Perlstein. 287,889, renewed Oct. 13, 1951. O. G. Sept. 11.
Tumblers, Glass. Gamble-Skogmo, Inc. 547,971, Sept. 11; Serial No. 603,115, published May 29, 1951.

CLASS 34

Fluid-heating apparatus. Foster Wheeler Corporation. 284,193, renewed June 16, 1951. O. G. Sept. 11.
Heaters, condensers, economizers, Plate air, etc. Foster Wheeler Corporation. 285,960, renewed Aug. 11, 1951. O. G. Sept. 11.

Stokers, Automatic coal. C. Hendrickson. 284,738, renewed July 7, 1951. O. G. Sept. 11.

CLASS 35

Tires, Automobile. The Firestone Tire & Rubber Company. 283,266, renewed May 19, 1951. O. G. Sept. 11.

Tires, Automobile. Sears, Roebuck and Co. 284,339, renewed June 23, 1951. O. G. Sept. 11.

CLASS 37

Paper, Toilet. Wheeler Paper Corporation. 284,433, renewed June 30, 1951. O. G. Sept. 11.

Paper, Tympan, and bristol board. Riegel Paper Corporation. 288,073, renewed Oct. 20, 1951. O. G. Sept. 11.

Paper, Writing and printing, and mailing envelopes. White & Wyckoff Mfg. Co. 284,475, renewed June 30, 1951. O. G. Sept. 11.

Tablets, Paper; account, data, and order books, etc. Western Tablet & Stationery Corporation. 444,467, Apr. 10, 1951. Republished Sept. 11.

Wrappers, Food. Continental Paper & Bag Corporation. 283,351, renewed May 26, 1931. O. G. Sept. 11.

Writing-paper and envelopes. Z. & W. M. Crane. 81,962, re-renewed May 23, 1951. O. G. Sept. 11.

CLASS 38

Column or columns, Newspaper. Daily Trade Record Co. of New York. 284,490, renewed June 30, 1951. O. G. Sept. 11.

Newspapers. Tribune Company. 81,645, Apr. 25, 1911. Republished Sept. 11.

Periodical. The Edward Valve and Manufacturing Co. 288,030, renewed Oct. 20, 1951. O. G. Sept. 11.

CLASS 39

Apparel, Children's. The Caritona Co., Inc. 547,853, Sept. 11; Serial No. 592,871, published May 22, 1951.

Apparel, Infants', children's, and boys'. Saks & Company. 547,899, Sept. 11; Serial No. 598,605, published June 12, 1951.

Apparel, Women's. Seamprufe Incorporated. 547,935, Sept. 11; Serial No. 600,985, published June 19, 1951.

Boots and shoes. Commonwealth Shoe and Leather Company. 287,262, renewed Sept. 15, 1951. O. G. Sept. 11.

Brassières, girdles, corselets, etc. Even-Pul Foundations, Inc. 548,053, Sept. 11; Serial No. 598,902.

Chemises, princess slips, bloomers, Ladies' and children's, etc. I. Schneierson & Sons, Inc. 548,039, Sept. 11; Serial No. 582,652.

Clothing, Boys' and girls'. Walls Manufacturing Co., Inc. 547,862, Sept. 11; Serial No. 594,344, published May 22, 1951.

Clothing, Men's and boys'. Hardwick Woolen Mills, Inc. 547,893, Sept. 11; Serial No. 598,181, published June 12, 1951.

Clothing, Young men's. Wieboldt Stores, Inc. 547,828, Sept. 11; Serial No. 588,418, published May 22, 1951.

Coats, overcoats, topcoats, and raincoats, Men's. Alfred Decker & Cohn, Inc. 288,536, renewed Nov. 3, 1951. O. G. Sept. 11.

Coats, trousers, riding breeches, and lumberjacks, Men's and boys'. Oberman & Company. 547,829, Sept. 11; Serial No. 588,989, published June 12, 1951.

Corsets and foundation garments. Crescent Corset Company, Inc. 547,897, Sept. 11; Serial No. 598,523, published June 19, 1951.

Corsets and girdles. Rite Form Corset Co., Inc. 548,044, Sept. 11; Serial No. 585,544.

Corsets, corselettes, brassières, etc., Ladies' and misses'. Femode Foundations, Inc. 547,826–7, Sept. 11; Serial Nos. 598,711–12, published June 19, 1951.

Dresses, Children's. Berk Company, Inc. 547,958, Sept. 11; Serial No. 602,595, published June 5, 1951.

Dresses, Children's. Joanne Kiddy Dress Manufacturing Co. 547,867, Sept. 11; Serial No. 594,844, published June 12, 1951.

Dresses, Ladies. Adrian Tabin Corporation. 547,759, Sept. 11; Serial No. 573,153, published June 5, 1951.

Dresses, Ladies' and misses'. E. F. Coracci. 547,993, Sept. 11; Serial No. 604,905, published June 19, 1951.

Dungarees, Men's, women's, boys', and girls'. Patterson Manufacturing Company. 547,905, Sept. 11; Serial No. 598,925, published June 12, 1951.

Foundation Garments. K & S Corset Manufacturing Co., Inc. 548,055, Sept. 11; Serial No. 600,384.

Furnishings, Men's. C. R. Anthony Company. 547,816, Sept. 11; Serial No. 586,457, published June 19, 1951.

Garters, Ladies', Nyl-Up, Inc. 547,974, Sept. 11; Serial No. 603,496, published June 5, 1951.

Gloves, Ladies'. Bacmo Postman Corporation. 547,936, Sept. 11; Serial No. 601,013, published June 19, 1951.

Handkerchiefs. Raphael Weill & Company. 286,777, renewed Sept. 1, 1951. O. G. Sept. 11.

Hats and hat bodies. Halper Brothers, Inc. 547,913, Sept. 11; Serial No. 599,512, published May 22, 1951.

Hats, Men's. The Urman-Barger Hat Mfg. Co. 282,652, Apr. 28, 1931. Republished Sept. 11.

Hats, Women's, and hat bodies. Merrimac Hat Corporation. 444,563, Sept. 11; Serial No. 525,651, published May 22, 1951.

Heels, Rubber. United Shoe Machinery Corporation. 288,713, renewed Nov. 3, 1951. O. G. Sept. 11.

Hosiery. Gotham Silk Hosiery Company, Inc. 287,271, renewed Sept. 15, 1951. O. G. Sept. 11.

Hosiery. M. K. M. Hosiery Mills, Inc. 547,978, Sept. 11; Serial No. 603,657, published June 5, 1951.

Hosiery, knit undershirts, knit drawers, etc. M. P. Gold. 81,988, re-renewed May 23, 1951. O. G. Sept. 11.

Hosiery, Ladies', men's, and children's. Fashion Knit Hosiery Company, Inc. 547,856, Sept. 11; Serial No. 595,127.

Neckties. M. & D. Simon Company Incorporated. 547,721, Sept. 11; Serial No. 553,530, published June 12, 1951.

Neckwear. Cub-Tie Corp. 547,791, Sept. 11; Serial No. 581,710, published June 19, 1951.

Overalls, dungarees, jumpers, etc. M. Hoffman & Co., Inc. 547,696, Sept. 11; Serial No. 531,475, published June 5, 1951.

Overcoats for men and men's suits. Alfred Decker & Cohn, Inc. 285,406, renewed July 28, 1951. O. G. Sept. 11.

Pants, jeans and overalls, Men's. B. F. Davis. 547,990, Sept. 11; Serial No. 604,772, published June 5, 1951.

Petticoats, Ladies'. Miss Youth Form Lingerie, Inc. 548,049, Sept. 11; Serial No. 593,430.

Shirts and sweaters, Men's and boys' sport. Sweet Manufacturing Co. 547,845, Sept. 11; Serial No. 591,528, published May 22, 1951.

Shirts, Men's and boys' dress, negligee, and work. Marlboro Shirt Company, Inc. 547,726, Sept. 11; Serial No. 556,805 published Nov. 14, 1950.

Shirts, Men's outer. The Manhattan Shirt Company. 547,774, Sept. 11; Serial No. 577,277, published May 22, 1951.

Shirts, Outer, and collars. Dunlap Clothes Shop. 547,688, Sept. 11; Serial No. 519,382, published Apr. 17, 1951.

Shoes, Men's, women's, and children's. William Hahn & Company. 547,744 Sept. 11; Serial No. 568,149, published June 12, 1951.

Shoes, Women's. M. Epstein, Inc. 548,045, Sept. 11; Serial No. 586,746.

Slacks. Esquire Sportswear Co. 547,904, Sept. 11; Serial No. 598,840, published June 19, 1951.

Slacks, Terrislak, Inc. 547,891–2, Sept. 11; Serial Nos. 597,921–2, published June 12, 1951.

Slippers, Ladies', misses', men's and children's. Felt Slipper Co. Inc. 548,054, Sept. 11; Serial No. 600,378.

Slips, Ladies. Miss Youth Form Lingerie, Inc. 548,051, Sept. 11; Serial No. 595,081.

Slips, Ladies' half. Miss Youth Form Lingerie, Inc. 548,048, Sept. 11; Serial No. 593,428.

Slips, nightgowns, pajamas, etc., Ladies' and children's. I. Schneierson & Sons, Inc. 548,052, Sept. 11; Serial No. 598,110.

Soles and heels, Rubber. The Hagerstown Rubber Company. 548,041, Sept. 11; Serial No. 583,203.

Sportswear. Rubin Grais & Sons. 547,803, Sept. 11; Serial No. 583,926, published June 19, 1951.

Suits, coats, overcoats, Men's and boys', etc. Hart Schaffner & Marx. 547,813, Sept. 11; Serial No. 586,033, published June 12, 1951.

Suits, coats, topcoats, Men's, etc. Personality Clothes, Inc. 547,918, Sept. 11; Serial No. 600,073, published May 22, 1951.

Suits, Swim. Cole of California, Inc. 547,712, Sept. 11; Serial No. 548,577, published June 19, 1951.

Suits, topcoats, overcoats, etc., Young men's. Federated Department Stores, Inc. 547,709, Sept. 11; Serial No. 547,288, published June 12, 1951.

Sunsuits, Children's. Hi-Line Co., Inc. 547,879, Sept. 11; Serial No. 596,723, published June 5, 1951.

Sweaters, Knitted, jackets, underwear, etc. Luchsinger's Handelsgesellschaft Amsterdam Filiale Zuerich. 547,805, Sept. 11; Serial No. 584,144, published June 19, 1951.

Undergarments, Ladies' and children's. Krumholz & Lichtblau. 284,371, renewed June 23, 1951. O. G. Sept. 11.

Underwear. Luxite Silk Products Co. 287,795, renewed Oct. 13, 1951. O. G. Sept. 11.

Underwear and lingerie, Women's. Van Raalte Company, Inc. 548,030, Sept. 11; Serial No. 544,484.

Underwear, Rayon. The "E-Cut" Knitting Mills. 284,312, renewed June 23, 1951. O. G. Sept. 11.

Uniforms, Industrial. The Watson-Scott Company, Inc. 547,745, Sept. 11; Serial No. 568,290, published June 5, 1951.

Wear, Ladies', children's and infants'. J. H. Kelman. 547,770, Sept. 11; Serial No. 575,739, published June 19, 1951.

Wearing apparel, Articles of. National Cylinder Gas Company. 547,799, Sept. 11; Serial No. 583,444, published June 19, 1951.

Wearing apparel, Children's. L. Abelson & Son, Inc. 547,847, Sept. 11; Serial No. 591,708, published June 5, 1951.

Wearing apparel, Men's. Atlanta Hub Co. Inc. 547,933, Sept. 11; Serial No. 600,941, published May 22, 1951.

Wearing apparel, Men's, women's, and children's. Campbell-Bell, Inc. 547,756, Sept. 11; Serial No. 572,790, published June 12, 1951.

CLASS 40

Combs, barrettes and hair ornaments. Ben-Hur Products, Inc. 548,029, Sept. 11; Serial No. 541,914.

Brushes, comb and mirror sets. Tek Hughes, Inc. 547,890, Sept. 11; Serial No. 597,614, published Dec. 26, 1950.

Spangles, sequins. American Spangle Corp. 429,279, Apr. 29, 1947. Republished Sept. 11, 1951.

CLASS 42

Blankets, Non-electric. Mercantile Stores Co., Inc. 547,906, Sept. 11; Serial No. 599,054, published June 12, 1951.

Burlap; canvas; duck; etc. The Lehon Company. 444,562, Sept. 11; Serial No. 520,746, published June 12, 1951.

Cloth, Brattice, canvas, duck, etc. The Lehon Company. 444,560–1, Sept. 11; Serial Nos. 520,744–5, published June 12, 1951.

Fabrics, Celanese Corporation of America. 288,581–2, renewed Nov. 3, 1951. O. G. Sept. 11.

Fabrics. Celanese Corporation of America. 288,584, renewed Nov. 3, 1951. O. G. Sept. 11.

Fabrics in the piece. J. G. Jacob Co. 548,004, Sept. 11; Serial No. 605,517, published June 12, 1951.

Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 547,998, Sept. 11; Serial No. 605,208, published June 12, 1951.

Fabrics, Woolen and mixtures of woolen and rayon. J. P. Stevens & Co., Inc. 547,700, Sept. 11; Serial No. 534,388, published June 12, 1951.

Piece goods, Cotton. Ponemah Mills. 548,001, Sept. 11; Serial No. 605,436, published June 12, 1951.

Piece goods, Cotton. Wellington, Sears & Company. 281,218, renewed Mar. 10, 1951. O. G. Sept. 11.

Piece goods, Woolen. Wawak Company, Inc. 547,686, Sept. 11; Serial No. 503,779, published June 12, 1951.

Sheeting, sheets, and pillowcases. Utica and Mohawk Cotton Mills, Inc. 547,843, Sept. 11; Serial No. 599,056, published June 12, 1951.

CLASS 43

Thread and yarn. The Thread Mills Company. 285,467, renewed July 28, 1951. O. G. Sept. 11.

Thread, Cotton, and cotton yarn. Standard-Coosa-Thatcher Company. 287,624, renewed Sept. 29, 1951. O. G. Sept. 11.

Yarns, Cotton. P. Lindhorst. 284,130, renewed June 16, 1951. O. G. Sept. 11.

Yarns, Wool. P. Lindhorst. 284,131, renewed June 16, 1951. O. G. Sept. 11.

CLASS 44

Artificial teeth. Universal Dental Company. 547,718, Sept. 11; Serial No. 553,035, published June 12, 1951.

Home wave kits, Permanent. Home Wave Inc. 547,735, Sept. 11; Serial No. 560,815, published June 12, 1951.

Pessaries. Larre' Laboratories, Inc. 547,825, Sept. 11; Serial No. 587,735, published June 12, 1951.

CLASS 45

Beverages, Non-alcoholic, non-cereal maltless. Dr. Swett's Root Beer Company, Inc. 548,040, Sept. 11; Serial No. 582,745.

Soft drinks, Maltless, and syrups, extracts and concentrates. M. S. Fishman. 548,056, Sept. 11; Serial No. 602,191.

CLASS 46

Butter, cheese, and eggs. Droste & Snyder. 84,218, re-renewed Nov. 21, 1951. O. G. Sept. 11.

Butter, cheese, fluid milk, etc. L. Daitch & Co., Inc. 547,886, Sept. 11; Serial No. 597,132, published May 15, 1951.

Candy. E. J. Brach & Sons. 285,444, renewed July 28, 1951. O. G. Sept. 11.

Candy. Schutter Johnson Candy Company Inc. 287,163 renewed Sept. 15, 1951. O. G. Sept. 11.

Cane syrup. Alabama-Georgia Syrup Company. 82,129, re-renewed June 6, 1951. O. G. Sept. 11.

Canned frozen citrus juices. California Consumers Corporation. 547,707, Sept. 11; Serial No. 545,438, published May 15, 1951.

Canned fruits. D. B. Berelson & Co. 547,884, Sept. 11; Serial No. 597,057, published May 15, 1951.

Canned fruits, canned vegetables, canned milk, etc. P. Pastene & Co., Inc. 286,751, renewed Sept. 1, 1951. O. G. Sept. 11.

Canned fruits, dried fruits, etc. H. Hicks & Sons, Inc. 226,001, renewed Mar. 29, 1947. O. G. Sept. 11.

Canned peeled tomatoes and canned tomato paste. F. Vitelli & Son. 284,295, renewed June 23, 1951. O. G. Sept. 11.

Canned vegetables. Gristede Bros., Inc. 184,634, May 27, 1924. Republished Sept. 11.

Canned vegetables. Gristede Bros., Inc. 185,096, June 10, 1924. Republished Sept. 11.

Coffee, tea, a preparation of cocoa, chocolate, etc. Boyd Coffee Company. 547,711, Sept. 11; Serial No. 548,570, published June 19, 1951.

Coffees, teas, cocoa, etc. India Tea Company. 82,239, re-renewed June 13, 1951. O. G. Sept. 11.

Edible powdered mixture. R. G. Moench & Co., Inc. 425,015–16, Oct. 29, 1946. Republished Sept. 11.

Edible powdered mixture. R. G. Moench & Co., Inc. 438,561, May 4, 1948. Republished Sept. 11.

Flour, Wheat. Capital Flour Mills, Incorporated. 308,661, Dec. 12, 1933. Restricted. O. G. Sept. 11.

Food beverage powder. Thompson's Malted Food Company. 282,289, renewed Apr. 14, 1951. O. G. Sept. 11.

Fruits and vegetables, Fresh. Charles & Co. 54,933, Aug. 7, 1906. Republished Sept. 11.

Hen feed, all-grain feed, heavy grain feed, etc. Silbernagel & Company. 259,731, Aug. 6, 1929. Republished Sept. 11.

Ice cream. The Borden Company. 547,725, Sept. 11; Serial No. 556,552, published May 15, 1951.

Ice cream. H. P. Hood & Sons, Inc. 286,998, renewed Sept. 8, 1951. O. G. Sept. 11.

Lettuce, Fresh. Barker-Miller Distributing Company. 261,644, Sept. 17, 1929. Republished Sept. 11.

Oleomargarine, salad dressing, and sandwich spread. Standard Brands Incorporated. 547,894, Sept. 11; Serial No. 598,212, published May 15, 1951.

Peanut butter, jellies, fruit preserves, etc. The Oakford Company, Inc. 547,692, Sept. 11; Serial No. 529,815, published June 26, 1951.

Pickling solution for meat and meat products. G. Harvey. 292,794, Mar. 29, 1932. Republished Sept. 11.

Pork skins, Fried. The Larson Bros. Company, Inc. 547,916, Sept. 11; Serial No. 599,728, published May 15, 1951.

Potatoes. C. C. Chapman, Inc. 547,891, Sept. 11; Serial No. 525,786, published May 1, 1951.

Preparation consisting of hydrogenated vegetable oils, etc. A. E. Chapin. 548,050, Sept. 11; Serial No. 594,250.

Russian dressing, mayonnaise, tartar sauce, etc. Schmidt Bros. 547,699, Sept. 11; Serial No. 534,374, published Apr. 24, 1951.

Seedoils, lard, syrup, etc. Aspegren & Co. 36,940, re-renewed Aug. 20, 1951. O. G. Sept. 11.

Turkey, Smoked, smoked ham, smoked bacon, smoked sausage. Forst Packing Company, Inc. 547,697, Sept. 11; Serial No. 531,907, published May 15, 1951.

Vegetables, Dried. Gristede Bros., Inc. 328,808, Oct. 8, 1935. Republished Sept. 11.

Whey concentrate, Powdered. Milk Minerals Co., Inc. 335,494, June 2, 1936. Republished Sept. 11.

Whey, Dried. Western Condensing Company. 547,694, Sept. 11; Serial No. 530,877, published May 1, 1951.

CLASS 47

Wines. Petri Wine Company. 548,033, Sept. 11; Serial No. 565,961.

Wines, Champagne. Maison Deutz & Geldermann. 548,027, Sept. 11; Serial No. 522,575.

CLASS 48

Ale. Chr. Heurich Brewing Company. 548,042, Sept. 11; Serial No. 583,798.

Beer. Jacob Leinenkugel Brewing Company. 547,693, Sept. 11; Serial No. 530,410, published June 19, 1951.

Beer. Jos. Schlitz Brewing Company. 547,704, Sept. 11; Serial No. 541,195, published June 19, 1951.

CLASS 49

Liqueurs, Alcoholic and alcoholic cordials. Hiram Walker & Sons Inc. 548,032, Sept. 11; Serial No. 551,501.

Whiskey. Hunter Baltimore Rye Distillery, Inc. 329,247, Oct. 22, 1935. Republished Sept. 11.

Whiskey. Hunter Gwynnbrook Distilling Corporation. 316,374, Aug. 21, 1934. Republished Sept. 11.

Whiskey, Bourbon. The Dant Distillery Company. 548,057, Sept. 11; Serial No. 607,151.

CLASS 50

Bottle stoppers. Vaughan Mfg. Co. 547,840, Sept. 11; Serial No. 590,769, published June 19, 1951.

Container closures. Crown Cork & Seal Company, Inc. 547,940, Sept. 11; Serial No. 601,663, published June 19, 1951.

Display and advertising novelties of all sorts. The Plymouth Company Incorporated. 547,973, Sept. 11; Serial No. 603,417, published June 12, 1951.

Finished printing plates. Certified Dry Mat Corporation. 281,662, renewed Mar. 24, 1951. O. G. Sept. 11.

Flexible, translucent, sheet material. H. Warp. 547,683, Sept. 11; Serial No. 468,932, published June 12, 1951.

Garment hangers and garment hanger clips. A. S. Holtz. 547,951, Sept. 11; Serial No. 602,261, published June 12, 1951.

Garment supporting attachments. Regal Plastic Company. 547,927, Sept. 11; Serial No. 600,446, published June 12, 1951.

Grave markers and monuments. Watson Memorial Company. 547,957, Sept. 11; Serial No. 602,528, published June 12, 1951.

Kits containing implements, supplies and instructions for the repairing of books, etc. Gaylord Bros., Inc. 547,719, Sept. 11; Serial No. 553,355, published June 19, 1951.

Kits containing tools, etc. American Handicrafts Company, Inc. 547,714, Sept. 11; Serial No. 550,283, published June 5, 1951.

Matrix, dry mat, or board used in stereotyping and electrotyping. Certified Dry Mat Corporation. 281,658, renewed Mar. 24, 1951. O. G. Sept. 11.

Metallic closures. Crown Cork Specialty Corporation. 547,783, Sept. 11; Serial No. 571,393, published June 12, 1951.

Ornamental fabrics, Woven and non-woven. George E. Mowbray, Inc. 547,571, Sept. 11; Serial No. 566,042, published June 5, 1951.

Plaques and ornamental three-dimensional modelled images, graven or cast. G. A. Wiechert. 547,960, Sept. 11; Serial No. 602,667, published June 12, 1951.

Poultry [illegible]. F. F. Radocy. 547,956, Sept. 11; Serial No. 602,834, published June 12, 1951.

Rug pads and rug padding. Allied Stores Corporation. 547,[illegible], Sept. 11; Serial No. 565,044, published June 12, 1951.

Stockholders. Federated Department Stores, Inc. 547,944, Sept. 11; Serial No. 602,893, published June 12, 1951.

Stockholders' extension ladders, etc. J. A. Lehman. 547,[illegible], Sept. 11; Serial No. 605,282, published June 12, 1951.

Unit for feeding infants, Englishtown Cutlery, Ltd. 444,[illegible], Sept. 11; Serial No. 507,304, published June 5, 1951.

CLASS 51

Beard softener, Pre-shave. C. R. Mackenzie, Ltd. 548,035, Sept. 11; Serial No. 560,265.

Cosmetics, Bonde Prelem, Inc. 547,703, Sept. 11; Serial No. [illegible], published May 29, 1951.

Dental and after-shaving creams, face powder, etc. S. H. Kress and Company. 547,790, Sept. 11; Serial No. 579,[illegible], published June 12, 1951.

Depilatory. Carter Products, Inc. 547,794, Sept. 11; Serial No. 582,[illegible], published June 12, 1951.

Face powder, talcum powder, bath salts, etc. Houbigant, Inc. 288,043, renewed Nov. 17, 1951. O. G. Sept. 11.

Hair-tonic. A. P. Godefroy and Sons. 84,090, re-renewed Nov. 7, 1951. O. G. Sept. 11.

Hair preserving and hair nutritive preparations, hair restorers, hair elixirs, etc. Germaine-Henriette Betschart-Fromaget. 547,966, Sept. 11; Serial No. 602,759, published May 29, 1951.

Hair-tonic and shampoo. G. L. Turner. 547,808, Sept. 11; Serial No. 594,364, published June 5, 1951.

Makeup [illegible], Face. M. S. Bartlett. 547,934, Sept. 11; Serial No. 550,942, published May 29, 1951.

Perfume and eau de cologne. Bourjois, Inc. 547,931, Sept. 11; Serial No. 600,717, published May 29, 1951.

Perfume, eau de cologne deodorant, toilet creams, etc. Barbara Gould Inc. 547,740–1, Sept. 11; Serial Nos. 566,134–5, published May 29, 1951.

Perfume, Synthetic. Newport Chemical Works, Incorporated. 286,372, Aug. 25, 1931. Republished Sept. 11.

Perfume, toilet waters, lipsticks, etc. Les Parfums de Dana, Inc. 547,812, Sept. 11; Serial No. 586,006, published June 12, 1951.

Perfumery, toilet water, cologne. Société A Responsabilite Limitee Balenciaga. 547,687, Sept. 11; Serial No. 518,[illegible], published May 29, 1951.

Perfumes and toilet waters. Parfum L'Orle, Inc. 547,[illegible], Sept. 11; Serial No. 572,997, published May 29, 1951.

Perfumes, eau de cologne, and toilet water. Elisabeth Arden Sales Corporation. 547,747, Sept. 11; Serial No. 566,[illegible], published Nov. 8, 1949.

Perfumes, face powder, bath salts and essences, etc. The Yardley Manufacturing Company Limited. 547,[illegible], Sept. 11; Serial No. 592,968, published May 22, 1951.

Perfumes, lipsticks, face powders, etc. Cordell Products Inc. 547,964, Sept. 11; Serial No. 594,521, published May 22, 1951.

Perfumes, toilet waters, face powder, etc. Societe Anonyme Jean Patou. 289,063–4, renewed Nov. 17, 1951. O. G. Sept. 11.

Shaving [illegible] and face creams. John Lusty Limited. 547,[illegible], Sept. 11; Serial No. 586,755, published June 12, 1951.

Skin creams, skin lotions, personal deodorants, etc. Maternity Cosmetics, Inc. 547,908, Sept. 11; Serial No. 598,737, published May 29, 1951.

Toilet creams. E. J. Walker. 547,731, Sept. 11; Serial No. 550,075, published June 5, 1951.

Toilet waters. Lentheric Incorporated. 547,738, Sept. 11; Serial No. 564,133, published June 12, 1951.

Toothpaste. Hughes & Carroll. 547,767, Sept. 11; Serial No. 575,410, published May 29, 1951.

CLASS 52

Cleaning compound, Liquid. Wyandotte Chemicals Corporation. 547,984, Sept. 11; Serial No. 604,286, published June 12, 1951.

Cleaning compounds. Rulon Laboratories, Inc. 547,798, Sept. 11; Serial No. 583,295, published May 29, 1951.

Cleaning, sterilizing and bleaching compound. A. H. Paradis. 547,823, Sept. 11; Serial No. 587,130, published May 29, 1951.

Cleanser and disinfectant, Chemical. Sanipro Corporation of America, Incorporated. 547,824, Sept. 11; Serial No. 587,500, published June 12, 1951.

Concentrated chemical compound. Aquadyne Corporation. 547,830, Sept. 11; Serial No. 590,414, published June 19, 1951.

Detergent Laundry. Abco-Clean Chemical Company. 547,888, Sept. 11; Serial No. 597,482, published May 29, 1951.

Soap. The Hewitt Bros. Soap Company. 286,888, renewed Sept. 8, 1951. O. G. Sept. 11.

Soap. The Procter & Gamble Company. 287,289, renewed Sept. 15, 1951. O. G. Sept. 11.

Soap. The Procter & Gamble Company. 288,302, renewed Oct. 20, 1951. O. G. Sept. 11.

Soap, Toilet, and laundry soap. Consolidated Cosmetics. 547,797, Sept. 11; Serial No. 583,192, published June 12, 1951.

CLASS 101

Marketing research. A. C. Nielsen Company. 548,024, Sept. 11; Serial No. 587,645, published June 12, 1951.

CLASS 102

Underwriting of burglary, robbery and theft insurance. Hardware Mutual Insurance Company of Minnesota. 548,026, Sept. 11; Serial No. 593,348, published June 12, 1951.

Underwriting of finance insurance. Retrospective Insurance Underwriters, Inc. 548,021, Sept. 11; Serial No. 572,205, published June 12, 1951.

Underwriting of the following risks: fire insurance; inland marine, etc. Excelsior Insurance Company of New York. 548,058, Sept. 11; Serial No. 553,957.

CLASS 103

Contract commercial painting. Kuehnle-Wilson, Inc. 548,020, Sept. 11; Serial No. 563,346, published June 12, 1951.

CLASS 104

Broadcasting service, Television. Westinghouse Radio Stations, Inc. 548,019, Sept. 11; Serial No. 560,241, published June 13, 1950.

CLASS 105

Moving, trucking and hauling household goods. United Van Lines, Inc. 548,022, Sept. 11; Serial No. 579,363, published June 12, 1951.

Transportation of goods by motor van. National Van Lines, Inc. 548,018, Sept. 11; Serial No. 557,202, published Sept. 6, 1949.

CLASS 106

Application by metal spraying of corrosion resistant or wear-resistant materials to machinery, etc. Metallising Engineering Co. Inc. 548,025, Sept. 11; Serial No. 589,909, published June 19, 1951.

CLASS 107

Instruction of and training of employees of commercial companies. This Is It Company, Inc. 548,023, Sept. 11; Serial No. 582,111, published June 12, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cutler-Hammer, Inc., assignee: *See*—
Elliott, William H.

Davis, Ariel R., Provo, Utah. Transformer. Re. 23,409, Sept. 11.

Elliott, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic control for alternating current translating devices. Re. 23,410, Sept. 11.

Patents and Development, Inc., assignee: *See*—
Stensel, Roy A.

Stensel, Margaret, executrix: *See*—
Stensel, Roy A.

Stensel, Roy A., deceased, Cambridge, Ill.; M. Stensel, executrix, assignor to Patents and Development, Inc., Raleigh, N. C. Windrow turner. Re. 23,411, Sept. 11.

LIST OF PLANT PATENTEES

Anderson, Frederic W., Merced, Calif. Nectarine tree. 1,035, Sept. 11.

LIST OF DESIGN PATENTEES

American Safety Table Co., Inc., assignee: *See*—
Voigt, Max T.

Amwell Full Fashioned Hosiery Co., Inc., assignee: *See*—
Appel, Charles.

Appel, Charles, Jackson Heights, N. Y., assignor to Amwell Full Fashioned Hosiery Co., Inc., Lambertville, N. J. Lady's stocking. 164,465, Sept. 11.

Arneson, Edwin L., Morris, Ill. Bottle carrier. 164,466, Sept. 11.

Arnold, Richard S., Denver, Colo. Adjustable slide wedge blocking tool. 164,467, Sept. 11.

Baker, Joseph E., Newark, Ohio. Combination wind and rain shield attachment for automotive vehicles. 164,468, Sept. 11.

Bankers Box Company, assignee: *See*—
Flannery, Marian A.

Behrendt, Medard A., Elmwood Park, assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Golf club head. 164,469, Sept. 11.

Bel Geddes, Norman, assignor to National Silver Company, New York, N. Y. Spoon or similar article of flatware. 164,470, Sept. 11.

Beresin, Morris, Philadelphia, Pa. Artificial denture. 164,471, Sept. 11.

Bohnenberger, Rudolph, New York, N. Y. Watch bracelet. 164,472, Sept. 11.

Bowman, Harold A.: *See*—
Collins, John, and Bowman.

Broes, Frank, Sr., Palm Springs, Calif. Combined shaving brush and razor unit. 164,473, Sept. 11.

Brown & Bigelow, assignee: *See*—
Stageberg, Wilfred E.

Bryans, William A., Denver, Colo. Store building. 164,474, Sept. 11.

Budlong, Robert D., Skokie, Ill., assignor to Zenith Radio Corporation. Radio cabinet. 164,475, Sept. 11.

Bunting Glider Company, assignee: *See*—
Goldberg, Aaron S.

California Fruit Growers Exchange, assignee: *See*—
Hull, Robert R.

Chicago Hardware Foundry Co., The, assignee: *See*—
Oliver, Conrad J., and Kupski.

Ciba Pharmaceutical Products, Incorporated, assignee: *See*—
Zahn, Lawrence H.

Clare, George, Maplewood, assignor to Claremould Plastics Corporation, Newark, N. J. Liquor pourer. 164,476, Sept. 11.

Claremould Plastics Corporation, assignee: *See*—
Clare, George.

Collins, John, and H. A. Bowman, assignors to Schenley Industries, Inc., New York, N. Y. Decanter bottle. 164,477, Sept. 11.

Conroy, Edward J., Meriden, Conn. Spoon or other article of flatware. 164,478, Sept. 11.

Coventry Ware, Inc., assignee: *See*—
Ellis, Ellis F.

Cowan, E. Guy, Fayetteville, assignor to Onondaga Pottery Company, Syracuse, N. Y. Cream pitcher. 164,479, Sept. 11.

Dostalek, Frank, Erie, Pa. Fish bowl. 164,480, Sept. 11.

Ekco Products Company, assignee: *See*—
Wagner, Frans.

Ellis, Ellis F., Akron, assignor to Coventry Ware, Inc., Barberton, Ohio. Container for wick-holding bottle. 164,481, Sept. 11.

Everston, Joseph H., Los Angeles, Calif. Child's shoe. 164,482, Sept. 11.

Flannery, Marian A., North St. Paul, Minn., assignor to Bankers Box Company, Chicago, Ill. Copyholder. 164,483, Sept. 11.

Franklin, Louis G., Sioux City, Iowa. Battery cable clamp cover. 164,484, Sept. 11.

Fredericks, Veronica, assignor to Madame Adrienne, Inc., New York, N. Y. Brassière. 164,485, Sept. 11.

Fuerst, Elmer, Cincinnati, Ohio. Attachment for a washing machine leg. 164,486, Sept. 11.

Goldberg, Aaron S., assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 164,487, Sept. 11.

Goldman, Sylvan N., Oklahoma City, Okla. Store service truck. 164,488, Sept. 11.

Hahn, Annies E., Savannah, Ga. Doll. 164,489, Sept. 11.

Hamilton, Bertie F., Columbus, Ind. Youth chair. 164,490, Sept. 11.

Hansen, Ernest E., Jr., Glendale, and L. M. Heineman, Los Angeles, Calif., assignors to Permoflux Corporation, Chicago, Ill. Telephone recording pickup. 164,491, Sept. 11.

Harvey, George E., Vancouver, British Columbia, Canada. Combined grave cover and marker. 164,492, Sept. 11.

Heineman, Lawrence M.: *See*—
Hansen, Ernest E., Jr., and Heineman.

Henkel, Andrew L., Hales Corners, Wis. Film viewer. 164,493, Sept. 11.

Hines Flask Company, assignee: *See*—
Hines, James F.

Hines, James F., Lakewood, assignor, by mesne assignments, to Hines Flask Company, Cleveland, Ohio. Mold jacket. 164,494, Sept. 11.

Hinsenberg, Valdemar A., New York, N. Y. Game board. 164,495, Sept. 11.

Hobhouse, Frances, New York, N. Y. Display stand or similar article. 164,496, Sept. 11.

Hoehn, John G., Pennsboro, W. Va. Ash tray. 164,497, Sept. 11.

Hull, Robert R., Pasadena, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Refrigerated beverage dispenser. 164,498, Sept. 11.

Inman, Walter A., assignor to Waukegan Baby Seat Co., Waukegan, Ill. Toilet seat adaptor or similar article. 164,499, Sept. 11.

Inventors Enterprises, Inc., assignee: *See*—
Voelker, Jane E., E. M., and Sabbagh.

Ives, Burton H., Chicago, Ill. Clothes rack. 164,500, Sept. 11.

Jacoby-Bender, Inc., assignee: *See*—
Rodrigues, Emil.

Jameson, William, Miami, Fla. Storage cabinet or similar article. 164,501, Sept. 11.

Justin, John S., Jr., Fort Worth, Tex. Cowboy boot. 164,502, Sept. 11.
Kerr, Allan W., Westmount, Quebec, Canada. Combined golf club and golf ball carrier. 164,503, Sept. 11.
Klugmann, Julius, New York, N. Y. Adjustable applicator for fingernail polish and the like. 164,504, Sept. 11.
Kupski, Joseph: *See*—
Oliver, Conrad J., and Kupski.
Larson, John V., Chicago, Ill. Self-adjusting wrench or similar article. 164,505, Sept. 11.
Leon, Isolina I., Massapequa, N. Y. Curl clip. 164,506, Sept. 11.
Madame Adrienne, Inc., assignee: *See*—
Fredericks, Veronica.
McCann, Clyde D., Des Moines, Iowa. Light fixture. 164,507, Sept. 11.
McCann, Clyde D., Des Moines, Iowa. Multiple lighting fixture. 164,508, Sept. 11.
Meyers, Anson A., New York, N. Y. Girdle or similar article. 164,509, Sept. 11.
Mifsud, Anthony C., West Hempstead, N. Y. Portable fountain. 164,510, Sept. 11.
National Silver Company, assignee: *See*—
Bel Geddes, Norman.
Oliver, Conrad J., Waukegan, and J. Kupski, assignors to The Chicago Hardware Foundry Co., North Chicago, Ill. Electric hand drier or similar article. 164,511, Sept. 11.
Onondaga Pottery Company, assignee: *See*—
Cowan, R. Guy.
Permoflux Corporation, assignee: *See*—
Hansen, Ernest E., Jr., and Heineman.
Petit, Paul A., Minneapolis, Minn. Wrench for screw-back wristwatchcases. 164,512, Sept. 11.
Phillips, Clyde R., Coshocton, Ohio. Lamp post. 164,513, Sept. 11.
Phil-Mar Corporation, assignee: *See*—
Secrist, Lee.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 164,514, Sept. 11.
Rosenbloom, Milton, Newark, N. J. Child's snowsuit or similar article. 164,515, Sept. 11.
Ruskin, Henry, New York, N. Y. Box or similar article. 164,516, Sept. 11.
Sabbagh, John W.: *See*—
Voelker, Jane E., E. M., and Sabbagh.
Sandler, Jacob, Boston, Mass. Shoe. 164,517, Sept. 11.
Sandler, Jacob, Boston, Mass. Shoe. 164,518, Sept. 11.
Sandler, Jacob, Boston, Mass. Shoe. 164,519, Sept. 11.
Schenley Industries, Inc., assignee: *See*—
Collins, John, and Bowman.
Secrist, Lee, Euclid, assignor to Phil-Mar Corporation, Cleveland, Ohio. Wall lamp base. 164,520, Sept. 11.
Smith, Robert D., Glen Ellyn, Ill. Wall lamp. 164,521, Sept. 11.
Stagebert, Wilfred E., Minneapolis, assignor to Brown & Bigelow, St. Paul, Minn. Coin holder or the like. 164,522, Sept. 11.
Stelzer, Harry, New York, N. Y. Belt. 164,523, Sept. 11.
Ten Eyck, Richard, Wichita, Kans. Duplex house trailer. 164,524, Sept. 11.
Tri-State Plastic Molding Co., assignee: *See*—
Yates, Cyril J.
Umholtz, Albert E., Oklahoma City, Okla. Mobile refreshment stand. 164,525, Sept. 11.
Unruh, Theodore L., Los Angeles, Calif. Hairpin spreader. 164,526, Sept. 11.
Voelker, Edward M.: *See*—
Voelker, Jane E. and E. M., and Sabbagh.
Voelker, Jane E. and E. M., New Salem, Mass., and J. W. Sabbagh, Jackson Heights, assignors to Inventors Enterprises, Inc., New York, N. Y. Chair. 164,527, Sept. 11.
Voigt, Max T., Reading, assignor to American Safety Table Co., Inc., Mohnton, Pa. Supporting base for a worktable or the like. 164,528, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,529, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,530, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,531, Sept. 11
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,532, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,533, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,534, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,535, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,536, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,537, Sept. 11.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Spoon or similar article. 164,538, Sept. 11.
Waukegan Baby Seat Co., assignee: *See*—
Inman, Walter A.
Weissman, Harry, New Hyde Park, N. Y. Spectacle front. 164,539, Sept. 11.
Wilson Athletic Goods Mfg. Co., Inc., assignee: *See*—
Behrendt, Medard A.
Yates, Cyril J., assignor to Tri-State Plastic Molding Co., Henderson, Ky. Crisper. 164,540, Sept. 11.
Young, Stephen A., Delphi, Ind. Shower and tub diverter valve handle. 164,541, Sept. 11.
Zahn, Lawrence H., Mountainside, assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Nebulizer. 164,542, Sept. 11.
Zenith Radio Corporation, assignee: *See*—
Budlong, Robert D.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackermann, Frans, Binningen, assignor to Ciba Limited, Basel, Switzerland. Water-soluble aminostilbene derivatives and process. 2,567,796, Sept. 11.
Acme Visible Records, Inc., assignee: *See*—
Hall, Marchand B.
Adair, Roy E., and J. C. Baze, Ada, Okla. Electric switch box support. 2,567,309, Sept. 11.
Adams, Ida E., Atlantic City, N. J. Combination article of baby furniture. 2,567,752, Sept. 11.
Adkins, Cassie E., assignee: *See*—
Davis, Chester L.
Adler, John B., Lincoln Park, assignor to Shwayder Brothers, Ecorse, Mich. Locking brace for folding table legs. 2,567,417, Sept. 11.
Aeppli, Albert, assignor to Maag-Zahnrader und -Maschinen Aktiengesellschaft, Zurich, Switzerland. Machine for grinding gear wheels. 2,567,460, Sept. 11.
Aetna-Standard Engineering Company, The, assignee: *See*—
Matteson, Elwin A., and Donald.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
St. Clair, William E., and Lawrence.
Scanlan, John T., Swern, and Roe.
Stitt, Fred.
Ahlstrand, Phillip M.: *See*—
Brehany, John J., and Ahlstrand.
Aicher, Alfred A., assignor to Petrocarbon Limited, London, England. Separation of gaseous mixtures at low temperatures. 2,567,461, Sept. 11.
Aiken, Richard, Washington, D. C. Tow target cable attachment. 2,567,170, Sept. 11.
Aktiebolaget Bofors, assignee: *See*—
Gerdin, Sven G.
Aktiebolaget Götaverken, assignee: *See*—
Johansson, Johan E.
Aktiebolaget Hadar Schmidt, assignee: *See*—
Odén, Knut O.
Aktiebolaget Separator, assignee, *See*—
Staaff, Per H.
Aktieselskapet Norsk Aluminum Company, assignee: *See*—
Brodal, Erling, and Guldhav.
Alexander, Harry S., assignor to Keystone View Company, Meadville, Pa. Vision target assembly for telebinocular instruments. 2,567,502, Sept. 11.
Alfaro, Heraclio, assignor to American Bosch Corporation, Springfield, Mass. Hydraulic governor. 2,567,753, Sept. 11.
Allen-Bradley Company, assignee, *See*—
Dawe, Albert J.
Allen, Charles J., Jr., Charlotte, N. J., assignor to American Crankshaft Company. Reconditioning crankshafts and the like. 2,567,685, Sept. 11.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Centralized traffic control system for railroads for the code control of interlocked track switches and signals. 2,567,834, Sept. 11.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Krabbe, Ulrik, and Hedström.
Almorth, Gustav A., Glastonbury, Conn. Fastening means for shoe skates. 2,567,754, Sept. 11.
Alquist, Francis N., J. L. Wasco, and R. Irons, assignors to The Dow Chemical Company, Midland, Mich. Removing copper-containing incrustations from steam generators. 2,567,835, Sept. 11.
Alvord, Charles C., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,567,589, Sept. 11.
American Bosch Corporation, assignee: *See*—
Alfaro, Heraclio.
American Can Company, assignee: *See*—
Erb, George C.
Jones, Stanley F. S.
Maher, William W., and Peterson.
Nordquist, Ronald E. J., and Grupe.
Winters, William P., and Lockwood.
American Car and Foundry Company, assignee: *See*—
Dietrichson, William F.
American Crankshaft Company, assignee: *See*—
Allen, Charles J., Jr.
American Cyanamid Company, assignee: *See*—
Anthes, John A.
Erickson, John G.
Kaiser, Donald W.
Marsh, Nat H.
Waletzky, Emanuel.
American Engineering Company, assignee: *See*—
Bennett, Joseph B.
American Gas Furnace Company, assignee: *See*—
Osterman, Philip C.
American Hoist & Derrick Co., assignee: *See*—
Gray, Donald C.
American Laundry Machinery Company, The, assignee: *See*—
Neckel, Edmund N.
American Phenolic Corporation, assignee: *See*—
Quackenbush, Edward C.
American Steel Foundries, assignee: *See*—
Cottrell, Robert B.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Bletso, Bruce N.
Riddle, Harvey W.
Amsler, Robert, Zug, Switzerland, assignor to Landis & Gyr A. G. Temperature responsive system. 2,567,755, Sept. 11.
Amsler, Robert, Zug, Switzerland, assignor to Landis & Gyr A. G. Temperature responsive system. 2,567,756, Sept. 11.
Anderson, Alva Eugene, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,567,359, Sept. 11.
Anderson, Carl R., Chicago, Ill. Artificial bait. 2,567,310, Sept. 11.
Anderson, Emil, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner and dust receptacle therefor. 2,567,171, Sept. 11.
Anderson, Frederic W., Lynbrook, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,567,797, Sept. 11.
Anderson, Philip C., and J. L. C. Rapp, assignors to Archem Corporation, Crete, Nebr. Stabilized corn and method therefor. 2,567,631, Sept. 11.
Anderson, V. D., Company, The, assignee: *See*—
Smith, Marion W., and Weigel.
Anderson, Walter L., Wichita, Kans. Collapsible ironing table. 2,567,538, Sept. 11.
Andrews-Alderfer Processing Company, assignee: *See*—
Bosshard, Alfred.
Andrews, Edward D., Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill. Packaging. 2,567,267, Sept. 11.
Anglo-Iranian Oil Company Limited, assignee: *See*—
Strang, Leslie C.
Ansel, Legaré, Walhalla, S. C. Automatic cigarette lighter. 2,567,311, Sept. 11.
Anthes, John A., Bridgeville, Pa., assignor to American Cyanamid Company, New York, N. Y. Polymers of quaternarized acrylamido compounds as anion exchange resins. 2,567,836, Sept. 11.
Apgar, John N., Bound Brook, N. J. Turntable for fifth wheel trailer couplings. 2,567,312, Sept. 11.
Aram, Nathan W., Park Ridge, Ill., assignor to Zenith Radio Corporation. Subscriber television system. 2,567,539, Sept. 11.
Archem Corporation, assignee: *See*—
Anderson, Philip C., and Rapp.
Argento, Henry F., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Therapeutic device. 2,567,757, Sept. 11.
Arma Corporation, assignee: *See*—
Bock, Charles D., and Bonell.
Armour and Company, assignee: *See*—
Kennedy, Eugene P., and Grossnickle.
Armstrong, Helene H., assignee: *See*—
Heber, Michael.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Fox, Nelson.
Gates, Marshall.
Arnold, George B., Glenham, and W. E. Skelton, Beacon, assignors to The Texas Company, New York, N. Y. Refining oil with a solvent. 2,567,172, Sept. 11.
Arsenault, Elodie M., Brunswick, Maine. Hair curler. 2,567,503, Sept. 11.
Arundale, Erving, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Production of high quality petroleum products. 2,567,173, Sept. 11.

Arundale, Erving, and J. P. Haworth, Westfield, N. J., assignors to Standard Oil Development Company. Improving stability and engine cleanliness characteristics of petroleum fractions. 2,567,174, Sept. 11.

Arundale, Erving, Westfield, N. J., and E. E. Juterbock, Staten Island, N. Y., assignors to Standard Oil Development Company. Desulfurization and sweetening of virgin distillates with an aldehyde. 2,567,175, Sept. 11.

Asaro, Vito: *See*—
Clark, William A., and Asaro.

Ashley, Carlyle M., Fayetteville, assignor to Carrier Corporation, Syracuse, N. Y. Air-conditioning method. 2,567,759, Sept. 11.

Ashlock, George W., Oakland, Calif. Machine for stuffing olives. 2,567,590, Sept. 11.

Ashlock, George W., Jr., Oakland, Calif. Machine for pitting cherries. 2,567,591, Sept. 11.

Ashworth, Marjorie E., Upper Montclair, and P. S. Ciccone, West Orange, N. J. Wheeled toy. 2,567,462, Sept. 11.

Athey Products Corporation, assignee: *See*—
MacDonald, Raymore D.

Atkinson, Earl B., Bay Village, Ohio. Conduit hanger. 2,567,463, Sept. 11.

Austin Motor Company, Limited, The, assignee: *See*—
Bishop, John L. H.
Bishop, John L. H., and Weaving.

Automatic Steel Products, Inc., assignee: *See*—
Harrison, William R., Kilpatrick, Zimmermann, Sproul, and Galleher.

Automatic Totalisators Limited, assignee: *See*—
Both, Edward T., and Grace.

Autopack (London) Limited, assignee: *See*—
Lee, George A.

Avco Manufacturing Corporation, assignee: *See*—
Hoffmann, Samuel K., and Camines.

Ayerst, McKenna and Harrison, Limited, assignee: *See*—
Basil, Desmond.
Jacobsen, Erik, and Hald.

Ayres, John A., Schenectady, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Zirconium and hafnium recovery and purification process. 2,567,661, Sept. 11.

Babcock & Wilcox Company, The, assignee: *See*—
Cox, Rodney S.
Kessler, George W.
Miller, Benjamin H.

Bailey, Willard A., Piano, Ill. Mobile disk projector for shuffleboards. 2,567,313, Sept. 11.

Baker, John H., Salida, Colo. Stirrup buckle and strap. 2,567,114, Sept. 11.

Baker-Raulang Company, The, assignee: *See*—
Lawrence, Nathan M.

Ballack, John, assignee: *See*—
Ridgeway, Allen T.

Ballard, Archibald H., Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass. Molding zirconia. 2,567,592, Sept. 11.

Ballard, Edward D., Orlando, Fla. Fire fighting nozzle. 2,567,776, Sept. 11.

Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Measuring device. 2,567,360, Sept. 11.

Bamberger, Alfred A., Flushing, assignor to Speedo Manufacturing Co., Inc., New York, N. Y. Motion converting mechanism. 2,567,798, Sept. 11.

Bancroft, William P., Omaha, Nebr. Folding carriage. 2,567,564, Sept. 11.

Barbour, Roswell P., Lodi, Calif. Box-stack spacer for freight cars. 2,567,465, Sept. 11.

Barker, Paul L., assignor to National Production Company, Detroit, Mich. Infant's chair. 2,567,418, Sept. 11.

Barnes Manufacturing Co., assignee: *See*—
Devlin, George A.

Barnes, William E.: *See*—
Chaney, Preston E., and Barnes.

Barnett, Benjamin G., Dallas, Tex. Ventilator wing mounting for truck cabs. 2,567,799, Sept. 11.

Bartlett, Robert L., Atlanta, Ga. Screw driver. 2,567,466, Sept. 11.

Bassick Company, The, assignee: *See*—
Claud-Mantle, Arthur.

Bata, narodni podnik, assignee: *See*—
Javorek, Jaroslav.

Battelle Development Corporation, assignee: *See*—
Hodge, Allen W.

Base, James C.: *See*—
Addir, Roy E., and Base.

Beall, Desmond, Westmount, assignor to Ayerst, McKenna and Harrison, Limited, Saint Laurent, Quebec, Canada. Hydrolysis of steroid sulfates. 2,567,268, Sept. 11.

Bean, Frank R., Rochester, N. Y., assignor to Fasco Industries, Inc. Manually operable thermostatic switch assembly. 2,567,361, Sept. 11.

Beaven, Clifford H. J., Woodmansterne, K. M. Caple, London, and H. A. Dell, Banstead, England, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Thermionic valve oscillator. 2,567,269, Sept. 11.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Flanged nut assembly. 2,567,864, Sept. 11.

Becker, Philip D., Hingham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Furniture glide. 2,567,865, Sept. 11.

Beckley, Kenneth E., Baldwin Park, Calif. Drinking fountain. 2,567,177, Sept. 11.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member. 2,567,902, Sept. 11.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Embossment mount fastener with clip attachment. 2,567,903, Sept. 11.

Beemer, Paul K., Pasadena, assignor to Preco Incorporated, Los Angeles, Calif. Driving mechanism for accessories in transport vehicles. 2,567,504, Sept. 11.

Beemer, Paul K., Inglewood, and H. O. Fuchs, assignors to Preco Incorporated, Los Angeles, Calif. Driving mechanism for car accessories. 2,567,866, Sept. 11.

Belich, Daniel E., West Allis, Wis. Clothesline tensioning and positioning device. 2,567,270, Sept. 11.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Anderson, Alva E.
Anderson, Frederic W.
Dalton, John F.
Eckardt, Helmuth.
Hickman, Clarence N.
Kingsbury, Burton A.
Nuttman, Charles W.
Nylund, Harry W.
Skellett, Albert M.
Stoller, Hugh M.
Walsh, Edward J.

Bemis, Dallas H., Edmond, Okla. Display stand and tray. 2,567,593, Sept. 11.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Electric lamp socket. 2,567,686, Sept. 11.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Trouble light with reflector, guard, and two-part handle. 2,567,687, Sept. 11.

Bendix Aviation Corporation, assignee: *See*—
Frerer, Paul G.

Bengtson, Kermit B., Seattle, Wash. Recovery of magnesium from siliceous magnesium minerals. 2,567,419, Sept. 11.

Bennett, Joseph B., Merion, assignor to American Engineering Company, Philadelphia, Pa. Stoker furnace. 2,567,837, Sept. 11.

Bennett, Wallis R.: *See*—
Pippin, Clarence A., Robinson, and Bennett.

Benning, Anthony F., Woodstown, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Fluorination of high molecular compounds. 2,567,759, Sept. 11.

Benninghofen, Paul, trustee, assignee: *See*—
Waechter, Harry J.

Bentley, Alfred Y.: *See*—
Pohle, Eric.

Ben Venue Laboratories, Incorporated, assignee: *See*—
Darker, Grant D.

Bergstrom, Carl P., Millbury, and B. W. Brouwer, Auburn, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread collector system for weft replenishing looms. 2,567,540, Sept. 11.

Berker, Ralph C., Hoxsie, R. I. Drawing frame. 2,567,467, Sept. 11.

Berkman, Boris S.: *See*—
Berkman, Sophia S. and B. S.

Berkman, Sophia S. and B. S., Chicago, Ill. Extracting pigments from plants. 2,567,362, Sept. 11.

Berl, Ernst, deceased, Pittsburgh, Pa., by W. G. Berl, executor. Making activated carbon. 2,567,468, Sept. 11.

Berl, Walter G., administrator: *See*—
Berl, Ernst.

Bidaud, Auguste F., Seresin-du-Rhone, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Producing a siliceous composition and the composition thereof. 2,567,316, Sept. 11.

Bidaud, Auguste F., Seresin-du-Rhone, and P. P. Peyrot, Feyzin, assignors to Societe des Usines Chemiques Rhone-Poulenc, Paris, France. Production of a water repelling composition and the composition thereof. 2,567,315, Sept. 11.

Bigelow, John E., Schenectady, N. Y., assignor to General Electric Company. Direct-current meter damping arrangement. 2,567,688, Sept. 11.

Bihaly, Lajos, London, England. Apparatus for plotting graphs. 2,567,632, Sept. 11.

Bird, Milton W., Wenatchee, Wash. Truck for loading and conveying building materials. 2,567,178, Sept. 11.

Bishop, John L. H., assignor to The Austin Motor Company, Limited, Birmingham, England. Cam for operating valves of internal-combustion engines. 2,567,689, Sept. 11.

Bishop, John L. H., Northfield, and J. H. Weaving, Moseley, assignors to The Austin Motor Company Limited, Northfield, Birmingham, England. Cam for operating valves of internal-combustion engines. 2,567,690, Sept. 11.

Black, Howard C., Chicago, Ill., and W. M. Leaders, Houston, Tex., assignors to Swift & Company, Chicago, Ill. Manufacture of higher alcohols. 2,567,541, Sept. 11.

Blackmun, Lynn A., Westend, Calif., assignor to West End Chemical Company. Desulfurizing of Searles Lake Brine. 2,567,867, Sept. 11.

Blake, William O., Seattle, Wash. Battery breaking machine. 2,567,542, Sept. 11.

Blatz, Hanson, assignor to Ritter Company, Inc., Rochester, N. Y. Vertical fluoroscope apparatus. 2,567,363, Sept. 11.

Bletso, Bruce N., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Apparatus for handling rod and wire bundles or the like. 2,567,271, Sept. 11.

Blue, Robert D., assignor to The Dow Chemical Company, Midland, Mich. Metallurgical apparatus. 2,567,838, Sept. 11.

Bock, Charles D., and R. K. Bonell, New York, assignors to Arma Corporation, Brooklyn, N. Y. Nonlinear electrical rectifier. 2,567,691, Sept. 11.

Bodge, Walter A., Portis, assignor to Harmon Machine Company, Inc., Wichita, Kans. Tool for sharpening agricultural implements. 2,567,868, Sept. 11.

Boettcher, Robert E.: *See*—
Gardner, Glenn L., and Boettcher.

Bonell, Ralph K.: *See*—
Bock, Charles D., and Bonell.

Bonnet, Maurice, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France. Peristereoscopic printer for multiple image negatives. 2,567,633, Sept. 11.

Bonniel, Jean, La Garde, France. Manufacturing latex articles. 2,567,317, Sept. 11.

Bonotto, Michele, Princeton, N. J. Continuous processes for solvent extraction of oil from oil-bearing materials and refinement of the residual solid product. 2,567,179, Sept. 11.

Borden Company, The, assignee: *See*—
Corwin, John F., Calhoun, and Busso.

Borg-Warner Corporation, assignee: *See*—
Polomski, John B.

Borgeaud, Gaston, and J. Waldvogel, Winterthur, Switzerland. Axle-box spring mounting for rail vehicles. 2,567,469, Sept. 11.

Bosshard, Alfred, assignor to Andrews-Alderfer Processing Company, Akron, Ohio. Rubber thread-cutting apparatus. 2,567,634, Sept. 11.

Both, Edward T., Cremorne, and F. S. Grace, assignors to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia. Relaying and indicating means usable with race totalisators. 2,567,470, Sept. 11.

Böttger, Erik B., Fredrikstad, Norway. Reel for winding telephone cords. 2,567,869, Sept. 11.

Boughan, Archie L., Taylor, Mo. Baler salter. 2,567,760, Sept. 11.

Boughton, Willis A., trustee and assignee: *See*—
Mansfield, William R., and Hughes.

Bowden, Henry C.: *See*—
Parker, Milton.

Bowie, Augustus J., San Francisco, Calif. Electric fuse. 2,567,420, Sept. 11.

Bowman, Leo E., Lumberton, N. C. Portable shower. 2,567,506, Sept. 11.

Bozak, Rudolph T., and S. L. Krauss, assignors to C. G. Conn, Ltd., Elkhart, Ind. Switch for electrical musical instruments. 2,567,870, Sept. 11.

Branco, Abel B., Manteca, Calif. Rear delivery rake with frictional draft dumper. 2,567,800, Sept. 11.

Brantingson, Sigurd, Maplewood, N. J., assignor of one-half to B. Martinuzzi, New York, N. Y. Push-button switch. 2,567,421, Sept. 11.

Brassel, Jakob: *See*—
Straub, Fritz, Brassel, and Pieth.

Braun, Gustav F., Elizabeth, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph on-off control. 2,567,318, Sept. 11.

Brauss, Minnie W., Bloomfield, N. J., assignor to Corsetry, Inc., Derby, Conn. Foundation garment. 2,567,761, Sept. 11.

Brehany, John J., and P. M. Ahlstrand, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Portable liquid container. 2,567,164, Sept. 11.

Breil, Jules J., Baldwin, N. Y. Retaining ring. 2,567,543, Sept. 11.

Brennan, Joseph B., Bratenahl, Ohio, assignor to E. D. McCurdy, as trustee. Electrolytic device. 2,567,841, Sept. 11.

Bridenbaugh, Quinter C., Glenwood Springs, Colo. Fluid motor. 2,567,505, Sept. 11.

Bried, J. A., assignee: *See*—
Toti, Andrew J., and Princevalle.

Briercliffe, Aylmer V., Dugald, Manitoba, Canada. Bee feeder. 2,567,871, Sept. 11.

Bristol Laboratories, Inc., assignee: *See*—
Mattocks, Albert M.

Britton, Edgar C., and H. R. Slagh, assignors to The Dow Chemical Company, Midland, Mich. 4 methoxyphenyl ester of 4-chlorobensene sulfonic acid. 2,567,839, Sept. 11.

Brodal, Erling, and H. Guldhav, Hoyanger, assignors to Aktieselskapet Norsk Aluminum Company, Lokkevelen, Norway. Manufacture of sodium aluminum fluoride. 2,567,544, Sept. 11.

Brouwer, Benjamin W.: *See*—
Bergstrom, Carl P., and Brouwer.

Brown, Guy E., Houston, Tex., assignor of one-half to H. J. Eastman, Denver, Colo. Orienting well tools in well bores. 2,567,507, Sept. 11.

Brown, Jesse E., Glencoe, Ill., assignor to Zenith Radio Corporation. Subscription-type television receiver. 2,567,545, Sept. 11.

Brown, Raymond W., Oak Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for controlling electrical power. 2,567,692, Sept. 11.

Bruhn, Claus F., Danvers, Minn. Vehicle spring adjuster. 2,567,594, Sept. 11.

Brunner, Anton J., Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. High-pressure nozzle. 2,567,693, Sept. 11.

Bryant, William K., Honesdale, Pa. Folding pocket seat. 2,567,595, Sept. 11.

Buck, Alvin J., Elkhart, Ind. Armrest for automobiles and trucks. 2,567,840, Sept. 11.

Buckley, William L.: *See*—
Holleron, William K., and Buckley.

Bunch, Tillman T., Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Braiding machine. 2,567,694, Sept. 11.

Bundy, Oswald M., assignor to The Clark Controller Company, Cleveland, Ohio. Wire-drawing machine motor control. 2,567,635, Sept. 11.

Bunkowski, Gustav E., San Diego, Calif. Metal squid fishing lure. 2,567,180, Sept. 11.

Burger, Alfred, Charlottesville, Va., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. 3-phenylphthalidyl-3-acetic acid. 2,567,546, Sept. 11.

Burke, Roscoe E., San Jose, Calif. Tree engaging device for tree shaking apparatus. 2,567,872, Sept. 11.

Burkholder, Theodore M., assignor to Raytheon Manufacturing Company, Newton, Mass. Coating nickel with mercury. 2,567,762, Sept. 11.

Burtner, Robert R., Skokie, assignor to G. D. Searle & Co., Chicago, Ill. Hydroxyl- and alkoxyl-substituted cycloalkylphenyl aliphatic acids and the production thereof. 2,567,873, Sept. 11.

Busenburg, Earl B.: *See*—
Carr, Richard K., and Busenburg.

Buskirk, Fred D., San Diego, Calif. Y quarter bend plumbing fitting. 2,567,165, Sept. 11.

Bussing, Harold, assignor to Union Steel Products Company, Albion, Mich. Heating element support unit for ovens and the like and the method and apparatus for use in the making or assembling the same. 2,567,547, Sept. 11.

Buys, Pieter K., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for protecting an amplifying tube against overloading. 2,567,272, Sept. 11.

Busso, Thomas M.: *See*—
Corwin, John F., Calhoun, and Busso.

Bye, Raymond S.: *See*—
Palmquist, Philip V., Schmelzle, and Bye.

Bye, Raymond S., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Sheet inserter for identifying the contents of shipping containers. 2,567,181, Sept. 11.

C. A. V. Limited, assignee: *See*—
Nicolls, Wilfrid E. W.

Cadet Smokestands Company, assignee: *See*—
Dick, Marion T.

Cage, John M., Montclair, assignor to Cage Projects, Inc., Union City, N. J. Cathode-ray tube. 2,567,874, Sept. 11.

Cage Projects, Inc., assignee: *See*—
Cage, John M.

Caldwell, Eugene W., Maiden, N. C. Hot-water air heating unit. 2,567,801, Sept. 11.

Calhoun, John R.: *See*—
Corwin, John F., Calhoun, and Busso.

Camines, Hazel, executrix: *See*—
Hoffman, Samuel K., and Camines.

Camp, James B., Fairfield, Ala., assignor to Tennessee Coal, Iron and Railroad Company. Sheet counter. 2,567,422, Sept. 11.

Caple, Kenneth M.: *See*—
Beaven, Clifford H. J., Caple, and Dell.

Carey, Philip, Manufacturing Company, The, assignee: *See*—
Greider, Harold W., and Smith.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Method and machine for cutting gears. 2,567,273, Sept. 11.

Carlson, Carl A.: *See*—
Winter, David F., and Carlson.

Carlson, Carl S.: *See*—
Morrell, Charles E., Carlson, Nelson, and Stewart.

Carr, Richard K., Wadsworth, and E. B. Busenburg, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Reclaiming fiber-reinforced rubber. 2,567,802, Sept. 11.

Carrier Corporation, assignee: *See*—
Ashley, Carlyle M.

Carrington, George L., assignee: *See*—
Moreland, William J., Jr.

Carrington, George L., Encino, Calif. Microphone sound passage structure. 2,567,875, Sept. 11.

Carson, Lawrence E., Alhambra, Calif. Fastener. 2,567,508, Sept. 11.

Castan, Pierre, and O. Hagger, assignors to Gebr. de Trey Aktiengesellschaft, Zurich, Switzerland. Bulk polymerization of vinyl compounds using a sulfinic acid catalyst. 2,567,803, Sept. 11.

Celanese Corporation of America, assignee: *See*—
Ewing, Henry.

Century Lighting, Inc., assignee: *See*—
Lundquist, Oliver L.

Chaney, Preston E., and W. E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa. Well tubing calipering and recording device. 2,567,548, Sept. 11.

Chemical Foundation, Incorporated, The, assignee: *See*—
Miller, Ralph.

Christensen, Joseph O., Las Vegas, Nev. Machine for molding concrete blocks. 2,567,549, Sept. 11.

Christensen, Niel, Shreveport, La. Valve seat grinder and refacing tool. 2,567,319, Sept. 11.

Christensen, Niel, Shreveport, La. Industrial portable valve facer. 2,567,320, Sept. 11.

Christofilos, Nicolas (or Philos), Athens, Greece. Magnetic resonance particle accelerator. 2,567,904, Sept. 11.

Ciba Limited, assignee: *See*—
Ackermann, Frans.
Moerwell, Eduard.
Straub, Fritz, Brassel, and Pieth.

Ciccone, Patsy S.: *See*—
Ashworth, Marjorie E., and Ciccone.

Cincinnati Shaper Company, The, assignee: *See*—
Haselton, Merrill W.

Cinema-Television Limited, assignee: *See*—
Head, Richard B.

Clark, Alfred, Bartlesville, Okla., assignor to Phillips Petroleum Company. Synthesis of hydrocarbons. 2,567,565, Sept. 11.

Clark Controller Company, The, assignee: *See*—
Bundy, Oswald M.

Clark Equipment Company, assignee: *See*—
Hogue, Francis M.

Clark, Henry B., Elizabeth, N. J. Bracket for mounting rollers on overhead doors. 2,567,763, Sept. 11.

Clark, William A., and V. Asaro, assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich. Upholstery covering attaching means. 2,567,550, Sept. 11.

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood latch. 2,567,662, Sept. 11.

Cleghorn, Andrew C., Willows, Calif. Powered carrier. 2,567,433, Sept. 11.

Clippard Instrument Laboratories, Inc., assignee: *See*—
Frommer, Joseph C.

Cohen, David, assignor to Safety Turniquet Corporation, New York, N. Y. Tourniquet. 2,567,182, Sept. 11.

Colgate-Palmolive-Peet Company, assignee: *See*—
Kirschenbauer, Hans G., and Percy.
Ross, John.
Trent, Walter R.

Colgert, Sven A., and O. G. Nordqvist, Karlskoga, Sweden. Collet chuck. 2,567,471, Sept. 11.

Collins, Arthur J., Chicago, Ill. Spout closure. 2,567,183, Sept. 11.

Colloid Corporation of America, assignee: *See*—
Rickerrich, Frederick, Jr., and Edge.

Colombo, Roberto, Turin, Italy. Apparatus for kneading and manufacturing granulated plastic masses. 2,567,274, Sept. 11.

Colombo, Roberto, Turin, Italy. Apparatus and method of goffering thermoplastic materials. 2,567,275, Sept. 11.

Communication Engineering Pty. Limited, assignee: *See*—
Skillman, Thomas S., and Lackey.

Conn, C. G., Ltd., assignee: *See*—
Bosak, Rudolph T., and Krauss.

Control Instrument Company, Inc., assignee: *See*—
Libman, Earl E.
Wechentus, William.

Corn, Haskell J.: *See*—
Heinold, Cassius D., and Corn.

Corsetry Inc., assignee: *See*—
Brauss, Minnie W.

Corwin, John F., Unadilla, J. B. Calhoun, Bainbridge, and T. M. Busso, Unadilla, assignors to The Borden Company, New York, N. Y. Hardening casein artificial fibers with titanium, zirconium or tin salts. 2,567,184, Sept. 11.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,567,551, Sept. 11.

Court, Alva B.: *See*—
Ramsden, Charles H., and Court.

Courter, Leo, Oklahoma City, Okla. Drill stem tester. 2,567,421, Sept. 11.

Coviello, Dominick, Newark, N. J. Caster bracket for cans. 2,567,185, Sept. 11.

Cox, Rodney S., Marion, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Water tube steam generator. 2,567,695, Sept. 11.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Cutoff cylinder spring construction. 2,567,364, Sept. 11.

Craighead, Frank C., Jr. and J. J., Moose, Wyo. Tent. 2,567,697, Sept. 11.

Craighead, John J.: *See*—
Craighead, Frank C., Jr., and J. J. Craighead.

Crandall, Roy C., Tillsonburg, Ontario, Canada. Conditioning granular and like materials. 2,567,472, Sept. 11.

Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P., and Brouwer.

Cronin, William F., Rye, assignor to Remington Rand Inc., New York, N. Y. Data card sensing device. 2,567,552, Sept. 11.

Cross, Bert S., St. Paul, and G. P. Netherly, Afton, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Inverse method of forming particulate coated sheets. 2,567,186, Sept. 11.

Crump, Elmo E.: *See*—
Foster, Harry R., and Crump.

Cuny, André, Courbevoie, France. Generating set. 2,567,636, Sept. 11.

Currier, Loren C., Tulsa, Okla. Wheel balancer. 2,567,597, Sept. 11.

Curtis, Rowland G., assignor to The Reeves Steel and Manufacturing Company, Dover, Ohio. Cover for pails. 2,567,322, Sept. 11.

Customaire Engineering Company, assignee: *See*—
Smith, Rulo W.

Cyphert, Allan S., Saltsburg, Pa. Heated seat for sportsmen. 2,567,323, Sept. 11.

Dahline, Lawrence J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electronic circuit. 2,567,876, Sept. 11.

Dalton, John F., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized operator for telephone receivers. 2,567,365, Sept. 11.

Darker, Grant D., Maple Heights, Ohio, assignor to Ben Venue Laboratories, Incorporated, Pittsburgh, Pa. Production of bacitracin. 2,567,698, Sept. 11.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Operating handle lever for rotary bar door fasteners. 2,567,366, Sept. 11.

Davey, Clarence P., Oak Park, assignor to Eugene Dietzgen Co., Chicago, Ill. Mounting for spirit levels. 2,567,553, Sept. 11.

Davey, Clarence P., Oak Park, assignor to Eugene Dietzgen Co., Chicago, Ill. Straightedge construction. 2,567,554, Sept. 11.

Davies, Arthur B., Pittsburgh, Pa. Applicator head for fountain brushes. 2,567,764, Sept. 11.

Davies, John M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preventing the accumulation of ice on aircraft surfaces and the like. 2,567,804, Sept. 11.

Davis, Chester L., assignor of one-half to C. E. Adkins, Coeburn, Va. Self-aligning rearview mirror mounting. 2,567,324, Sept. 11.

Davis, Christopher A., Barrow on Soar, assignor to Rolls-Royce Limited, Derby, England. Operating lever, particularly for use with the throttle valves for internal-combustion engines. 2,567,555, Sept. 11.

Davis, George B., Jr., Green Acres, Md. Coffee maker. 2,567,187, Sept. 11.

Davis, George B., Jr., Green Acres, Md. Coffee maker. 2,567,188, Sept. 11.

Davis, Harold G., Denver, Colo. Impeller for dishwashing machines. 2,567,509, Sept. 11.

Davis, John D., Dobbs Ferry, N. Y. Television reporting system. 2,567,189, Sept. 11.

Dawe, Albert J., assignor to Allen-Bradley Company, Milwaukee, Wis. Time interval circuit. 2,567,473, Sept. 11.

Dawes, Chester L., trustee, assignee: *See*—
Mansfield, William R., and Hughes.

Dawson, William O.: *See*—
Seliet, Lucien, and Dawson.

D'Azzo, Errol P., New York, N. Y. Offset gooseneck mounting for awnings. 2,567,424, Sept. 11.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telephone exchange system. 2,567,190, Sept. 11.

De Anguera, Eva: *See*—
De Anguera, Philip.

De Anguera, Philip, assignor to E. de Anguera, Cincinnati, Ohio. Pin inserting machine for making structural units. 2,567,191, Sept. 11.

De Brey, Heinrich, and F. L. van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Hot gas piston apparatus with flexible crank coupling. 2,567,637, Sept. 11.

Debye, Peter J. W., Ithaca, N. Y. Method of and apparatus for effecting thermal diffusion. 2,567,765, Sept. 11.

Deere & Company, assignee: *See*—
Silver, Walter H., and Lohrman.

De Grazia, Joseph, Washington, D. C. Head covering. 2,567,192, Sept. 11.

De Laval Steam Turbine Company, assignee: *See*—
Salter, Ludwig L.

Dell, Hugh A.: *See*—
Beaven, Clifford H. J., Caple, and Dell.

De Ment, Jack, Portland, Oreg. Electrochemical bonding of aluminum with other materials. 2,567,877, Sept. 11.

De Rosa, Louis A., Bloomfield, N. J., and B. Howard, Smith Town, N. Y., assignors to Federal Telephone and Radio Corporation. Indicator for direction finders. 2,567,193, Sept. 11.

Deschamps, Desire J., Rutherford, N. J., assignor to Deschamps Fuel Injection Corporation, New York, N. Y. Fuel injection pump. 2,567,367, Sept. 11.

Deschamps Fuel Injection Corporation, assignee: *See*—
Deschamps, Desire J.

Deubel, Joseph, Garfield, N. J. Flexible coupling for shafts. 2,567,663, Sept. 11.

Deutsch, Fred M., Neenah, M. Warzinik, and A. M. Meier, Menasha, assignors to Marathon Corporation, Rothschild, Wis. Method and apparatus for packaging. 2,567,598, Sept. 11.

Devlin, George A., Grosse Ile, Mich., assignor to Barnes Manufacturing Co., Mansfield, Ohio. Pump. 2,567,699, Sept. 11.

Diamond Alkali Company, assignee: *See*—
Skeeters, Maxwell J., and Esselstyn.

Di Cerbo, Patrick M.: *See*—
Loritsch, John A., and Di Cerbo.

Dick, Marion T., assignor to Cadet Smokestands Company, Des Moines, Iowa. Receptacle construction. 2,567,166, Sept. 11.

Dicke, Robert H., Princeton, N. J. Electric current integrating apparatus. 2,567,276, Sept. 11.

Dickinson, Becton, and Company, assignee: *See*—
Lawshe, Errol R.

Dictaphone Corporation, assignee: *See*—
Spears, Morton F.

Diebold, Incorporated, assignee: *See*—
Turner, Edward A.

Diesbach, F. B., trustee, assignee: *See*—
Waechter, Harry J.

Dietrichson, William F., Garden City, assignor to American Car and Foundry Company, New York, N. Y. Hopper or similar car construction. 2,567,766, Sept. 11.

Dietzgen, Eugene, Co., assignee: *See*—
Davey, Clarence P.

Dillon, John R., Raleigh, N. C. Speed signal system. 2,567,425, Sept. 11.

Ditmanson, Henry A., assignor of 50 per cent to L. C. Sheppler, Klamath Falls, Oreg. Dispenser for collapsible tubes. 2,567,767, Sept. 11.

Doerfler, Carl F., Bend, Oreg. Earth working implement. 2,567,805, Sept. 11.

Donald, William P.: *See*—
Matteson, Elwin A.

Dorey, George B., Westmount, Quebec, Canada. Journal box lid. 2,567,878, Sept. 11.

Doss, John C., Gap Mills, W. Va. Extension foot for ladders. 2,567,806, Sept. 11.

Dow Chemical Company, The, assignee: *See*—
Alquist, Francis N., Wasco, and Irons.
Blue, Robert D.
Britton, Edgar C., and Slagh.
Pippin, Clarence A., Robinson, and Bennett.

Doyle, Charles J.: *See*—
Stafford, Roy M., and Doyle.

Drader, Joseph C., assignor to Michigan Tool Company, Detroit, Mich. Hob. 2,567,167, Sept. 11.

Drescher, John F., Santa Monica, Calif. Universal binding post. 2,567,510, Sept. 11.

Dressler, Philip D., and C. C. Hopkins, assignors to Swindell-Dressler Corporation, Pittsburgh, Pa. Method and apparatus for regulating the operation of an open-fire tunnel kiln. 2,567,556, Sept. 11.

Dufay-Chromex, Limited, assignee: *See*—
Murray, Gilbert.

Dufrenoy, Jean: *See*—
Goyan, Frank M., and Dufrenoy.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Pohle, Eric.

Du Pont, E. I., de Nemours & Company, assigneee: *See*—
Jennings, Andrew B., and Murray.
Woodward, David W.

Earp, Charles W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric frequency discriminator. 2,567,194, Sept. 11.

Eastman, H. John, assignee: *See*—
Brown, Guy E.

Eckardt, Helmuth, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 2,567,368, Sept. 11.

Ecusta Paper Corporation, assignee: *See*—
Goepfert, Otto F.

Edelman, Walter E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Burner safety control system and apparatus. 2,567,807, Sept. 11.

Edge, Nelson J.: *See*—
Rickerrich, Frederick, Jr., and Edge.

Edison, Thomas A., Incorporated, assignee: *See*—
Braun, Gustav F.

Edwards, Donald V., Montclair, and E. K. Smith, West Orange, assignors to Electrons Incorporated, Newark, N. J. Gas filling for grid control gas tubes. 2,567,369, Sept. 11.

Ehlschlager, Arthur J., Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making electrical measurements. 2,567,700, Sept. 11.

Elder, Earl B., Arcadia, Calif. Tapping machine. 2,567,511, Sept. 11.

Electric Company, S & C, assignee: *See*—
Kojis, John J.

Electric & Musical Industries Limited, assignee: *See*—
Stephenson, Geoffrey H.

Electrolux Corporation, assignee: *See*—
Anderson, Emil.
Lofgren, Gustaf E.

Electrons, Incorporated, assignee: *See*—
Edwards, Donald V., and Smith.

Ellery, Emmett C., North Hollywood, Calif. Orthopedic drop-foot brace. 2,567,195, Sept. 11.

Elliott, Harold F., Palo Alto, Calif. Apparatus for positioning a rotary controlled element. 2,567,325, Sept. 11.

Elsom, James D.: *See*—
McKee, Albert E., and Elsom.

Entsminger, Dallas E., Hilton Village, Va. Combination can handle, brush scraper, and brush rest. 2,567,326, Sept. 11.

Epel, Joseph N.: *See*—
Hannum, John A.

Erb, George C., Forest Hills West, N. Y., assignor to American Can Company, N. Y. Container with compressible sealing gasket and pryoff cover. 2,567,196, Sept. 11.

Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing glycidyl ester. 2,567,842, Sept. 11.

Esselstyn, William J.: *See*—
Skeeters, Maxwell J., and Esselstyn.

Evershed & Vignoles Limited, assignee: *See*—
Needham, John C.

Ewell, Willis G., Chicago, Ill. Chicken culling device. 2,567,664, Sept. 11.

Ewing, Henry, Spondon, near Derby, England, assignor to Celanese Corporation of America. Making pile fabric. 2,567,327, Sept. 11.

Fahland, Frank, Omaha, Nebr. Load-carrying structure for vehicles. 2,567,328, Sept. 11.

Fahnoe, Harold H.: *See*—
Rawlins, Herbert L., and Fahnoe.

Fahnoe, Harold H., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,567,768, Sept. 11.

Farquhar, Josephine C., Philadelphia, Pa. Blouse holder. 2,567,277, Sept. 11.

Fasco Industries, Inc., assignee: *See*—
Bean, Frank R.

Fauser, Oscar, Jr., Rock Island, Ill., assignor to Stampings, Incorporated, Davenport, Iowa. Housing and stand for bottled gas. 2,567,370, Sept. 11.

Federal Telephone and Radio Corporation, assignee: *See*—
De Rosa, Louis A., and Howard.
Horwitz, Henry L.

Fedrowich, Peter, Detroit, Mich. Rifle target. 2,567,537, Sept. 11.

Ferrari, Abele, Healdsburg, Calif. Wine bung screw valve. 2,567,426, Sept. 11.

Field, Charles P.: *See*—
Whittier, Robert F., and Field.

Field, Walter E., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungi and bacteria resistant polyvinyl chloride compositions. 2,567,905, Sept. 11.

Finocchiaro, Carlo U., New York, N. Y. Fire escape mechanism. 2,567,278, Sept. 11.

Firma Triumph-Werke Nürnberg A. G. Nurnberg, assignee: *See*—
Gebhardt, Konrad.

Fiske, Milan D., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency coupling device for wave guides. 2,567,701, Sept. 11.

Fitts, George R., York, Pa., and F. G. Low, Newark, Del., assignors to Read Standard Corporation. Countercurrent solvent extractor. 2,567,474, Sept. 11.

Flader, Fredric, Inc., assignee: *See*—
Hall, Wayne C.

Forkey, Lyonal D., Norwell, J. T. Peterson, Melrose, and H. I. Morton, Needham, Mass.; said Morton assignor to said Forkey and said Peterson. Cider mill. 2,567,371, Sept. 11.

Foster, Harry R., Montville, and E. E. Crump, West Caldwell, assignors to Ohmega Laboratories, Pine Brook, N. J. Variable condenser. 2,567,280, Sept. 11.

Foster, Henry E., Mitcham, and F. W. H. Lacey, Worcester Park, England, assignors to Lever Brothers Company, Cambridge, Mass. Record sheet holder. 2,567,279, Sept. 11.

Forstner Chain Corporation, assignee: *See*—
Pfeifer, William J.

Fox, Gordon, Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc. Skip hoist motor control. 2,567,427, Sept. 11.

Fox, Nelson, Metedeconk, N. J., assignor to the United States of America as represented by the Secretary of the Army. Duplex switch with sum and difference frequency receivers. 2,567,197, Sept. 11.

Fox, Thomas J., Brooklyn, N. Y. Spectacle frame hinge. 2,567,879, Sept. 11.

Francois, Pierre, assignor to Société de Robinetterie S. A., Paris, France. Hydroejector for deep wells. 2,567,638, Sept. 11.

Frazier, Larry C., assignor to National-Standard Company, Niles, Mich. Stranding machine spool cradle. 2,567,329, Sept. 11.

Fredsell, Eric J. *See*—
Mortier, Hans G., and Fredsell.

Freeman, George M., Waukesha, Wis. Flight hour indicator. 2,567,512, Sept. 11.

Frerer, Paul G., to Bendix Aviation Corporation, Baltimore, Md. Automatic burner control. 2,567,702, Sept. 11.

Frommer, Joseph C., assignor to Clippard Instrument Laboratories, Inc., Cincinnati, Ohio. Voltage regulator. 2,567,950, Sept. 11.

Fuchs, Henry O.: *See*—
Beemer, Paul K., and Fuchs.

Fulton, Harry L., Pueblo, Colo. Pipe joint and fitting. 2,567,639, Sept. 11.

Fyfe, Clayton, Elgin, Ill., assignor to Illinois Watch Case Co. Catch construction for cases. 2,567,881, Sept. 11.

Gagnier, George E., Detroit, Mich. Spring construction. 2,567,330, Sept. 11.

Gaiser, Ramey A., Toledo, and J. W. McAuley, Perrysburg, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Applying electrically conducting coatings to vitreous bodies. 2,567,331, Sept. 11.

Galleher, Louis C.: *See*—
Harrison, William R., Kilpatrick, Zimmermann, Sproul, and Galleher.

Garand, John C., Springfield, Mass., assignor to the United of America as represented by the Secretary of War. Receiver and bolt mechanism for firearms. 2,567,198, Sept. 11.

Gardepe, Morris A., Dover, N. J., assignor to Sun Chemical Corporation, New York, N. Y. Flushed methyl violet lake. 2,567,281, Sept. 11.

Gardner, Glenn L., and R. E. Boettcher, Bay City, Mich. Beverage dispensing device with oscillating trap chamber. 2,567,282, Sept. 11.

Garlock Packing Company, The, assignee: *See*—
Greiner, Harold F.

Gates, Marshall, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,567,199, Sept. 11.

Gates, Marshall, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army. Insect repellent. 2,567,200, Sept. 11.

Gaylord Container Corporation, assignee: *See*—
Rosenberg, Leon J.

Gebhardt, Konrad, Nurnberg, assignor to Firma Triumph-Werke Nürnberg A. G. Nurnberg, Bavoria, U. S. Zone, Germany. Coupling for line space wheels. 2,567,640, Sept. 11.

Gebr. de Trey Aktiengesellschaft, assignee: *See*—
Castan, Pierre, and Hagger.

Gedminas, Francis J., Philadelphia, Pa. Pattern for molding ornamental plastic veneer. 2,567,843, Sept. 11.

Gelpcke, Alfred W., Brooklyn, assignor to The Rawiplug Company, Inc., New York, N. Y. Toggle lock. 2,567,372, Sept. 11.

General Electric Company, assignee: *See*—
Benander, George B.
Bigelow, John E.
Fiske, Milan D.
Hoffmann, Walter W.
Kimmy, Arthur J.
Loritsch, John A., and Di Cerbo.
Moody, Leroy S.
Morgan, Raymond E.
Pister, John M.
Scott, Benjamin B.
Smith, Walter L., Jr.
Wolke, Richard W.

General Sales Company of Cadillac, assignee: *See*—
Greeley, Leo O.

Gerdin, Sven G., assignor to Aktiebolaget Bofors, Bofors, Sweden. Fire control apparatus. 2,567,665, Sept. 11.

Giacoletto, Lawrence J., Eatontown, and I. Wolff, Princeton, N. J., assignors to Radio Corporation of America. Electrostatic generator. 2,567,373, Sept. 11.

Gibson, Incorporated, assignee: *See*—
McCarty, Theodore M.

Gillette Safety Razor Company, assignee: *See*—
Mutse, Joseph.

Gillis, N. B., assignee: *See*—
McGehee, Burnard.

Glass, Arthur A., assignee: *See*—
Shapiro, Lazarus C.

Gleason Works, assignee: *See*—
Carlson, Leonard O.

Goepfert, Otto F., Brevard, assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklet machine. 2,567,201, Sept. 11.

Goerts, Raymond C., Hempstead, N. Y., assignor to The Sperry Corporation. Eddy-current generator and control circuits. 2,567,202, Sept. 11.

Gogas, Joseph, Lakewood, Ohio. Thickness testing machine. 2,567,338, Sept. 11.

Golay, Marcel J. E., Long Branch, N. J. Multiplex communication system utilising successive, different pulse modulation techniques. 2,567,203, Sept. 11.

Goldsby, Arthur R., Beacon, assignor to The Texas Company, New York, N. Y. Manufacturing motor fuels by polymerisation and alkylation. 2,567,283, Sept. 11.

Gollan, Serge E., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Communication system. 2,567,844, Sept. 11.

Goodchild, Henry C., Los Angeles, Calif. Rubber block for plate type clutches. 2,567,168, Sept. 11.

Goodhue, Joseph A., Worcester, Mass. Dispensing receptacle for coins. 2,567,332, Sept. 11.

Goodman Manufacturing Company, assignee: *See*—
Hagenbook, Loy D.

Goodrich, B. F., Company, The, assignee: *See*—
Carr, Richard K., and Busenburg.
Davies, John M.
Krupp, Carroll P.

Goodwin, Frank M., Buffalo, N. Y. Rat trap. 2,567,599, Sept. 11.

Gorden, Walter L.: *See*—
Mall, Arthur W., and Gorden.

Goss Printing Press Company, The, assignee: *See*—
Crafts, Curtis S.

Gottfried, Louis, New York, N. Y. Baby carriage support. 2,567,808, Sept. 11.

Gould, Harry, Westfield, England. Machine for spinning concrete poles, columns, pipes, and other concrete units. 2,567,666, Sept. 11.

Goyan, Frank M., San Francisco, and J. Dufrenoy, Berkeley, Calif. Graphical calculator. 2,567,882, Sept. 11.

Grace, Frederick S.: *See*—
Both, Edward T., and Grace.

Grandgirard, Henri, Puteaux, assignor to Société des Brevets Kegresse, S. E. K., Paris, France. Centrifugally balanced valve for giving clutches overlapping engagements. 2,567,703, Sept. 11.

Gray, Donald S., Rose Township, Ramsey County, assignor to American Hoist & Derrick Co., St. Paul, Minn. Electric motor driven material handling system. 2,567,883, Sept. 11.

Greco, Peter, New York, N. Y. Spring loaded jaw splice. 2,567,374, Sept. 11.

Greeley, Leo O., assignor to General Sales Company of Cadillac, Cadillac, Mich. Air valve for pressure gauges. 2,567,428, Sept. 11.

Green, Edgar B., Washington, D. C. Device for applying tire chains. 2,567,429, Sept. 11.

Green, Fred, and W. O. Horne, assignors to S & M Lamp Co., Los Angeles, Calif. Rearview mirror. 2,567,169, Sept. 11.

Greider, Harold W., and M. F. Smith, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Asbestos sheet material and manufacture. 2,567,558, Sept. 11.

Greider, Harold W., and M. F. Smith, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company. Asbestos sheet material and manufacture. 2,567,559, Sept. 11.

Greiner, Harold F., Geneva, assignor to The Garlock Packing Company, Palmyra, N. Y. Adjustable rotary seal. 2,567,809, Sept. 11.

Grico Two Axle Drive Company, assignee: *See*—
Stone, Leo F.

Griffiths, Francis F., Wethersfield, Conn. Piston position indicator. 2,567,430, Sept. 11.

Grimes, Louis M., Chicago, Ill. Extrusion apparatus. 2,567,704, Sept. 11.

Grossnickle, Myron D.: *See*—
Kennedy, Eugene P., and Grossnickle.

Grubb, Henry M.: *See*—
Strange, John H., and Grubb.

Grupe, William F.: *See*—
Nordquist, Ronald E. J., and Grupe.

Guldhav, Henning: *See*—
Brodal, Erling, and Guldhav.

Gussa, Arvin A., San Diego, Calif. Illuminated whirling toy. 2,567,600, Sept. 11.

Gustafson, Gilbert E.: *See*—
Wagenknecht, Otto E., and Gustafson.

Haase, Carl O., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Furnace discharging apparatus. 2,567,707, Sept. 11.

Hacken, Herbert, and L. J. Levin, Rockville Centre, N. Y. Umbrella latch device. 2,567,284, Sept. 11.

Hagenbook, Loy D., assignor to Goodman Manufacturing Company, Chicago, Ill. Slack or cuttings removing device for kerf-cutting machines. 2,567,204, Sept. 11.

Hagger, Oskar: *See*—
Castan, Pierre, and Hagger.

Haines, Marcus W., Long Beach, assignor to Vernon Tool Co., Ltd., Alhambra, Calif. Well pumping system. 2,567,513, Sept. 11.

Hald, Jens: *See*—
Jacobsen, Erik, and Hald.

Hall, Jesse E., Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, Las Vegas, Nev., and ten per cent to Parker Industrial Products, Inc., Weatherford, Tex. Wall cleaning plug. 2,567,475, Sept. 11.

Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Panel for visible record equipment. 2,567,705, Sept. 11.

Hall, Wayne C., Cheverly, Md., assignor to Fredric Flader, Inc., North Tonawanda, N. Y. Precipitation static reducing aircraft antenna. 2,567,205, Sept. 11.

Halstead, William S., Purchase, N. Y. Communications system of restricted range type. 2,567,431, Sept. 11.

Hamilton, Ralph F. G., assignor to Rotax Limited, London, England. Electric current distributing system. 2,567,476, Sept. 11.

Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Electronic fence controller. 2,567,667, Sept. 11.

Hannum, John A., and J. N. Epel, assignors to Hefco Laboratories, Detroit, Mich. Moisture-destructible container. 2,567,706, Sept. 11.

Hansen Manufacturing Company, assignee: *See*—
Manson, Harry G., and Hansen.

Hansen, Robert P.: *See*—
Manson, Harry G., and Hansen.

Harmon Machine Company, Inc., assignee: *See*—
Bodge, Walter A.

Harper, Robert N., Danville, Va. Dental prosthesis and device. 2,567,810. Sept. 11.

Harrison, William R., Hartville, W. G. Kilpatrick, H. J. Zimmerman, N. V. Sproul, and L. C. Galleher, Canton, Ohio, assignors, by mesne assignments, to Automatic Steel Products, Inc., Wilmington, Del. Metal spinning apparatus. 2,567,334. Sept. 11.

Harry, William R.: *See*—
Van Ryan, Anthony, and Harry.

Harshberger, Russell P., Altadena, Calif. Razor. 2,567,375, Sept. 11.

Hartbauer, August W. L., deceased, Chicago, Ill., by E. C. Hartbauer, representative and administratrix, Elizabeth, N. J. Gasket structure for refrigerator car doors and the like. 2,567,477. Sept. 11.

Hartbauer, Elizabeth C., representative, administratrix: *See*—
Hartbauer, August W. L.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Beaven, Clifford H. J., Caple, and Dell.
Buys, Pieter K.
De Brey, Heinrich, and van Weenen.
Hugenholtz, Eduard H.
Siezen, Gerrit J.
Van Urk, Arend T.

Hartline, Marietta, Rossville, Ga. Hosiery inspection device. 2,567,478. Sept. 11.

Hartung, Walter H., Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation of phenethylamine compounds. 2,567,906, Sept. 11.

Hasty, Dozier F., Atlanta, Ga. Nut-fulcrumed pivoted jaw wrench. 2,567,432, Sept. 11.

Haushalter, Fred L., Akron, Ohio. Adjustable safety razor. 2,567,811, Sept. 11.

Haworth, Joseph P.: *See*—
Arundale, Erving, and Haworth.

Hay, Harold R., Bryn Mawr, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Sterilization and clarification of raw waters. 2,567,285, Sept. 11.

Hazelton, Merrill W., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Hydraulic work hold-down or clamp. 2,567,641, Sept. 11.

Head, Richard B., Hove, assignor to Cinema-Television Limited, London, England. Alkaline earth oxysulfide phosphor. 2,567,769, Sept. 11.

Heath, Clarence W., Bleasby, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Sheet metal fastener for securing members to supports. 2,567,884. Sept. 11.

Hebard, Glen G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polish rod stuffing box. 2,567,479, Sept. 11.

Heber, Michael, deceased, by E. Recksiek, executrix, San Jose, assignor to H. H. Armstrong, San Francisco, Calif. Mop wringer. 2,567,708, Sept. 11.

Hebert, Loree W. Sulphur, La. Load handling roller-jack for trucks. 2,567,335. Sept. 11.

Heck, William R., assignee: *See*—
Le Bron, Roderick, and Heck.

Hecomovich, John, San Mateo, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Apparatus for the measurement of radioactivity. 2,567,668. Sept. 11.

Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator with dual discharge electrodes. 2,567,709. Sept. 11.

Hedeman, William N., and C. L. Stone, Cincinnati, Ohio, assignors to National Lead Company, New York, N. Y. Liquid strainer. 2,567,376. Sept. 11.

Hedström, Sven-Eric: *See*—
Krabbe, Ulrik, and Hedström.

Hefco Laboratories, assignee: *See*—
Hannum, John A.

Heijmer, Gustaf B., Stockholm, Sweden. Water-in-oil type emulsions. 2,567,433. Sept. 11.

Heinold, Cassius D., and H. J. Corn, Anderson, Ind. Nail corrector. 2,567,601. Sept. 11.

Heidenbrand, Arthur P., Oklahoma City, Okla. Thread cleaning and truing device. 2,567,480. Sept. 11.

Heller, Richard D., Tujunga, Calif. Wire straightener. 2,567,770. Sept. 11.

Hendricks, Frank R., Puyallup, assignor to R. Parker, Tacoma, Wash. Lamp structure with shade and base interlocking member. 2,567,336. Sept. 11.

Henshaw, Thomas A., Elland, assignor to Nu-Swift, Limited, London, England. Nozzle for the discharge of liquids. 2,567,642 Sept. 11.

Hepp, Vincent J., Philadelphia, Pa. Carrier. 2,567,206. Sept. 11.

Hewins, Morley S.: *See*—
Willis, Edward E., and Hewins.

Hickman, Albert F., assignor to Hickman Industries, Inc., Eden, N. Y. Tandem axle spring suspension. 2,567,481, Sept. 11.

Hickman, Clarence N., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code transmitter. 2,567,812, Sept. 11.

Hickman Industries, Inc., assignee: *See*—
Hickman, Albert F.

Higgins, Grover B., Chicago, Ill. Purse. 2,567,602, Sept. 11.

Hill, Donald M., trustee, assignee: *See*—
Mansfield, William R., and Hughes.

Hill, Rutherford B., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Accelerating composition. 2,567,710. Sept. 11.

Hoagland, Clifford C., Jenkintown, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Counter circuit. 2,567,845. Sept. 11.

Hodge, Allen W., assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Heat-treatment of copper-silver binary alloys. 2,567,560. Sept. 11.

Hoffman, Charles A., Oakland, Calif. Bed bath. 2,567,514. Sept. 11.

Hoffman, Samuel K., Whittier, Calif., and H. Caminez, deceased, Williamsport, Pa., by H. Caminez, executrix, Phoenix Ariz., assignors to Avco Manufacturing Corporation. Lay shaft construction. 2,567,482, Sept. 11.

Hoffmann, Walter W., Bellwood, Ill., assignor to General Electric Company. Uniform intensity illumination for viewing boxes. 2,567,561. Sept. 11.

Hoge, Albert W., Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Maintenance of catalytic activity in hydrocarbon conversion systems. 2,567,207. Sept. 1.

Hogue, Francis M., Berien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Pressure fluid operated servomotor. 2,567,603, Sept. 11.

Holbrook, Ralph O., Takoma Park, Md., assignor to Stromberg-Carlson Company. Automatic focus control means for cathode-ray tubes. 2,567,377. Sept. 11.

Holleron, William K., and W. L. Buckley, Victoria, Tex. Sheave. 2,567,562, Sept. 11.

Hopkins, Carl C.: *See*—
Dressler, Philip D., and Hopkins.

Horne, William O.: *See*—
Green, Fred, and Horne.

Horvath, Alexander, Clifton, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Crystal mixer for multiplex broadcasting. 2,567,208, Sept. 11.

Horwits, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Telephone metering system. 2,567,209, Sept. 11.

Hoskings, Alice P., San Diego, Calif. Electrically heated clothes drier. 2,567,434, Sept. 11.

Hotine, William, Great Neck, N. Y. Screw-thread and nut assembly. 2,567,483. Sept. 11.

Houdry Process Corporation, assignee: *See*—
Hoge, Albert W.

Howard, Bernard: *See*—
De Rosa, Louis A., and Howard.

Hribar, Lloyd F., Duluth, Minn. Shade-roller wrench. 2,567,563, Sept. 11.

Hudson, Edwin B., Middletown, Ohio. Rotary power plant. 2,567,711, Sept. 11.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for automatic frequency correction. 2,567,286, Sept. 11.

Hughes, Frank C., trustee, assignee: *See*—
Mansfield, William R., and Hughes.

Hunt, Theodore M., Tulsa, Okla. Sucker rod fishing tool. 2,567,337, Sept. 11.

Hunziker, Emil, assignor to Lüscher, Leber & Cie A.-G., Berne, Switzerland. Case stand. 2,567,669, Sept. 11.

Hupcey, Joseph V., Hempstead, N. Y., assignor to The Sperry Corporation. Ultra-high-frequency attenuator. 2,567,210, Sept. 11.

Hurd, Fraser A., Liverpool, N. Y. Window opening gauge. 2,567,771, Sept. 11.

Hyatt, Edward F., assignee: *See*—
Verga, Michael E.

Hyland, Daniel F., St. Louis, Mo. Combination spoon lure. 2,567,813, Sept. 11.

Ifield, Richard J.: *See*—
Watson, Ernest A., and Ifield.

Illinois Watch Case Co., assignee: *See*—
Fyfe, Clayton.

Indiana Steel & Wire Company, assignee: *See*—
Kitselman, Harry L.

Ingraham, Dudley S., assignor to The E. Ingraham Company, Bristol, Conn. Traveling case for pocket watches. 2,567,564, Sept. 11.

Ingraham, E., Company, The, assignee: *See*—
Ingraham, Dudley S.
Kobmagen, Walter.

Ingram, Orville, Washington, D. C. Drop end gondola car. 2,567,287, Sept. 11.

International Nickel Company, Inc., The, assignee: *See*—
Sefing, Frederick G.

International Silver Company, The, assignee: *See*—
Oppelt, William P.

International Standard Electric Corporation, assignee: *See*—
Deakin, Gerald.
Earp, Charles W.
Horvath, Alexander.
McWhirter, Eric M. S., and Ward.
Rabuteau, Guy.

Irons, Carroll R.: *See*—
Alquist, Francis N., Wasco, and Irons.

Ivens, Edgar, Stanmore, England, assignor to Modern Telephone Corporation, New York, N. Y. Intercommunication telephone system. 2,567,484, Sept. 11.

Iversen, Lorens, Pittsburgh, and F. J. Waldschutz, Mount Lebanon, assignors to Mesta Machine Company, Pittsburgh, Pa. Feed reel. 2,567,670, Sept. 11.

Jacobsen, Andrew B., Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse coding circuit. 2,567,846, Sept. 11.

Jacobsen, Erik, and J. Hald, Copenhagen, Denmark, assignors, by mesne assignments, to Ayerst, McKenna and Harrison Limited, New York, N. Y. Tetraethyl thiuram disulfide alcoholism treatment composition. 2,567,814, Sept. 11.

Jakeway, Gerald V.: *See*—
Keeler, Isaac S., and Jakeway.

Janik, Karl, Linz, Donau, Austria. Radiator in central heating installations. 2,567,515, Sept. 11.

Jansen, Howard, Chicago, Ill. Adjustable cable fastener for ski binding. 2,567,772, Sept. 11.

Javorek, Jaroslav, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Drawing-off mechanism for circular knitting machines. 2,567,288, Sept. 11.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., and Jenkins.

Jennings, Andrew B., New Brunswick, and O. W. Murray, Fords, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Element for recording photographic images. 2,567,712, Sept. 11.

Jenny, Rudolf, assignor to Meyerhofer G. m. b. H., Zurich, Switzerland. Gas-burner head with high-pressure air jets. 2,567,485, Sept. 11.

Jet-Heet, Inc., assignee: *See*—
MacCracken, Calvin D.

Jock, Wadsworth S., Newald, Wis. Centering tool. 2,567,338, Sept. 11.

Joesting, Edwin O., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn. Pressure-sensitive adhesive tape. 2,567,671, Sept. 11.

Johansson, Johan E., assignor to Aktiebolaget Götaverken, Gothenburg, Sweden. Power plant having means for automatically charging the engine with scavenging air. 2,567,466, Sept. 11.

Jones, Dwight E., assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Continuously operating pulper. 2,567,683, Sept. 11.

Jones, E. D., & Sons Company, assignee: *See*—
Jones, Dwight E.

Jones, Meredith R., Port Orchard, Wash. Mobile collapsible living unit. 2,567,516, Sept. 11.

Jones, Robert E., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Mine car sealing device. 2,567,604, Sept. 11.

Jones, Stanley F. S., Hamilton, Ontario, Canada, assignor to American Can Company, New York, N. Y. Sifter-closure for container selectively attachable thereto in dispensing or nondispensing position. 2,567,211, Sept. 11.

Joy Toys, Inc., assignee: *See*—
McBride, Charles L.

Juterbock, Edwin E.: *See*—
Arvidale, Erving, and Juterbock.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of substituted melamine. 2,567,847, Sept. 11.

Kaplan, Michael L., assignor, by mesne assignments, to Sightmaster Corp., New Rochelle, N. Y. Light filter for black and white and color television receivers. 2,567,713, Sept. 11.

Kaplan, Michael L., assignor, by mesne assignments, to Sightmaster Corp., New Rochelle, N. Y. Cathode-ray tube. 2,567,714, Sept. 11.

Kapsa, Lumir V., Prague, Czechoslovakia. Air gun loading and firing mechanism. 2,567,643, Sept. 11.

Kean, George W., Hartford, Conn. Collet chuck. 2,567,705, Sept. 11.

Keebler, William C., Washington, D. C. Vise and angle sine plate. 2,567,517, Sept. 11.

Keeler Brass Company, assignee: *See*—
Keeler, Isaac S., and Jakeway.

Keeler, Isaac S., and G. V. Jakeway, assignors to Keeler Brass Company, Grand Rapids, Mich. Handle. 2,567,565, Sept. 11.

Kellogg, M. W., Company, The, assignee: *See*—
Solomon, Ernest.

Kelly, Robert L., Baltimore, Md. Newspaper receptacle attachment for rural mailboxes. 2,567,487, Sept. 11.

Kennedy, Eugene P., and M. D. Grossnickle, assignors to Armour and Company, Chicago, Ill. Preparation of pepsinogen and pepsin. 2,567,378, Sept. 11.

Kessler, George W., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Steam or elastic fluid generator, with positive pressure furnace. 2,567,696, Sept. 11.

Keusch, Edwin F., Verona, and L. O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Hydraulic press control. 2,567,715, Sept. 11.

Keystone View Company, assignee: *See*—
Alexander, Harry S.

Kienow, Orwald E., South Acton, assignor to Raytheon Manufacturing Company, Newton, Mass. Terminal device for absorbing electromagnetic energy. 2,567,379, Sept. 11.

Kilpatrick, Wilford G.: *See*—
Harrison, William R., Kilpatrick, Zimmerman, Sproul, and Galleher.

King, Irving, assignee: *See*—
West, Merle J.

Kingsbury, Burton A., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Parallel T electrical wave transmission network. 2,567,380, Sept. 11.

Kipnis, Abraham, Forest Hills, N. Y. Prepared pastry flour and producing the same. 2,567,815, Sept. 11.

Kirschenbauer, Hans G., Allendale, N. J., and J. H. Percy, deceased, Woodmere, N. Y.; by C. L. Percy, executrix, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Manufacturing soap. 2,567,381, Sept. 11.

Kitselman, Harry L., assignor to Indiana Steel & Wire Company, Muncie, Ind. Serving tool. 2,567,907, Sept. 11.

Kizaur, Arthur J., Wauwatosa, Wis., assignor to General Electric Company. X-ray apparatus. 2,567,566, Sept. 11.

Klopp, James W., and W. T. Shelton, U. S. Navy. Helicopter attitude indicator. 2,567,212, Sept. 11.

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Sandwich toaster. 2,567,382, Sept. 11.

Knapp-Monarch Company, assignee: *See*—
Knapp, Andrew S.

Kniebes, Lowell, Coloma, Mich. Ejection-type key retainer. 2,567,816, Sept. 11.

Kohler, Hans W., Washington, D. C. Combining circuits. 2,567,214, Sept. 11.

Kohlhagen, Walter, Elgin, Ill., assignor to The E. Ingraham Company, Bristol, Conn. Hairspring for timepieces. 2,567,567, Sept. 11.

Kojis, John J., assignor to S & C Electric Company, Chicago, Ill. Switch contact construction. 2,567,606, Sept. 11.

Kooyman, Eduard C., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Alkylation of phenolic compounds with olefins. 2,567,848, Sept. 11.

Koppers Company, Inc., assignee: *See*—
Fox, Gordon.

Krabbe, Ulrik, Odense, Denmark, and S. Hedström, Ludvika, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Generating low-frequency electrical oscillations. 2,567,383, Sept. 11.

Kraus, Herman J., Pittsburgh, Pa. Carbon sheets, etc., with margin guides. 2,567,435, Sept. 11.

Krauss, Serge L.: *See*—
Bozak, Rudolph T., and Krauss.

Kritzer, Richard W., Chicago, Ill. Heat exchange unit. 2,567,716, Sept. 11.

Krupp, Carroll P., Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose coupling. 2,567,773, Sept. 11.

Lacey, Frederick W. H.: *See*—
Foster, Henry E., and Lacey.

Lackey, Alan D.: *See*—
Skillman, Thomas S., and Lackey.

Lacks, Hyman, New York, N. Y. Apparatus for testing gas leakage. 2,567,215, Sept. 11.

Lagerlof, Karl G., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Transformer. 2,567,717, Sept. 11.

Lampe, Friedrich W., assignor to Lapeer Manufacturing Company, Detroit, Mich. Toggle clamp. 2,567,436, Sept. 11.

Landis & Gyr A. G., assignee: *See*—
Amsler, Robert.

Landis Tool Company, assignee: *See*—
Balsiger, Harold E.

Lane, Henry E., New York, N. Y. Neckwear accessory. 2,567,216, Sept. 11.

Langsdorf, Alexander S. Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Preparation of beryllium nitride. 2,567,518, Sept. 11.

Lapeer Manufacturing Company, assignee: *See*—
Lampe, Friedrich W.

La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet: *See*—
Bonnet, Maurice.

Larson, Elmer F., Temple City, Calif. Toilet pipe cover or shield. 2,567,607, Sept. 11.

Larson, Roland W., Marshfield, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Tapered corrugated line. 2,567,718, Sept. 11.

La Torre, Richard R., Washington, D. C. Hydraulic recording mechanism. 2,567,217, Sept. 11.

Lawless, Nathan H., Muskegon Heights, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio. Servicing mechanism for vehicles. 2,567,672, Sept. 11.

Lawrence, Ray V.: *See*—
St. Clair, William E., and Lawrence.

Lawshe, Errol R., Nutley, assignor to Becton Dickinson and Company, Rutherford, N. J. Hypodermic injection assembly. 2,567,673, Sept. 11.

Leach, Frank, and I. W. Sutcliffe, assignors to F. Smith & Co. (Whitworth) Limited, Whitworth, England. Machine for reversably winding webs of fabrics. 2,567,644, Sept. 11.

Leaders, William M.: *See*—
Black, Howard C., and Leaders.

Le Bron, Roderick, and W. R. Heck, Omaha, Nebr. Rethreading tool. 2,567,849, Sept. 11.

Le Clair, Camille C. S., Acton, London, assignor to Tecalemit Limited, Brentford, England. Vehicle wheel lubricating apparatus. 2,567,774, Sept. 11.

Lee, George A., Enfield, assignor to Autopack (London) Limited, Birmingham, England. Reciprocating pusher conveyer. 2,567,488, Sept. 11.

Lemire, Edwin A., Providence, R. I. Partitioned cigarette case with spring operated closures. 2,567,218, Sept. 11.

Lepkowski, Thomas W., New York, N. Y. Manufacturing pen points. 2,567,608, Sept. 11.

Lesniak, Frank G., assignor to Masonite Corporation, Laurel, Miss. Plural intermeshing feed or press screws. 2,567,219, Sept. 11.

Lever Brothers Company, assignee: *See*—
Foster, Henry E., and Lacey.

Levin, Louis J.: *See*—
Hacken, Herbert, and Levin.

Levy, Sol J., assignor to Monmouth Laboratories, Inc., Bradley Beach N. J. Radio carrier alarm system. 2,567,908, Sept. 11.

Lewis, Douglas T., Los Angeles, Calif. Hand bandage. 2,567,489, Sept. 11.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Gaiser, Romey A., and McAuley.
Ryan, Joseph D.

Libman, Earl E., Brooklyn, assignor to Control Instrument Company, Inc., New York, N. Y. Inking means for rod-like printing members. 2,567,289, Sept. 11.

Licklider, Joseph C. R., Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development. Pulse generator. 2,567,850, Sept. 11.

Lietz, Frederick F., Appleton, Wis. Automotive vehicle radiator and gas tank handling apparatus. 2,567,384, Sept. 11.

Lievense, Peter A., and H. T. Phillips, Jackson, Mich. Baffle type muffler with plural expansion chambers. 2,567,568, Sept. 11.

Lighter, Stephen, Milwaukee, Wis. Folding and packaging shirts. 2,567,385, Sept. 11.

Lilly, Eli, and Company, assignee: *See*—
Rhodehamel, Harley W., Jr.

Limburg, Josef, Heerde, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Producing a detergent composition. 2,567,645, Sept. 11.

Lind, Otto H., Cincinnati, Ohio. Bracket for supporting cables or pipes. 2,567,386, Sept. 11.

Linde, Fredrick A., assignor to Monsanto Chemical Company, St. Louis, Mo. Alkali metal pentachlorophenate pellets. 2,567,909, Sept. 11.

Linder, Ernest G., Princeton, N. J., assignor to Radio Corporation of America. Velocity modulated electron discharge device. 2,567,674, Sept. 11.

Link, Edwin A., Milwaukee, Wis., assignor to McGraw Electric Company. Vacuum mandrel. 2,567,387, Sept. 11.

Lipkin, Harry J., Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Pulse blocking circuit. 2,567,851, Sept. 11.

Litchford, George B., Huntington, N. Y., assignor to The Sperry Corporation. Scalloped limacon pattern antenna. 2,567,220, Sept. 11.

Little, Jack L., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Low-temperature separation of oil from wax involving initial chilling in a film-type chiller. 2,567,646, Sept. 11.

Livingston, Ralph, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Pressure monitoring device. 2,567,519, Sept. 11.

Livingston, Stanley D., Freeport, N. Y. Magneto. 2,567,290, Sept. 11.

Ljungström, Birger, Stockholm, Sweden. Tail-mounted jet propulsion unit for aircraft. 2,567,490, Sept. 11.

Lockwood, John W.: *See*—
Winters, William P., and Lockwood.

Loeb, Julien M., Clamart, France. Apparatus materializing the paths of electrified particles moving inside a magnetic field. 2,567,647, Sept. 11.

Lofgren, Gustaf E., Riverside, assignor to Electrolux Corporation, Old Greenwich, Conn. Suction cleaner. 2,567,221, Sept. 11.

Lohrman, William V.: *See*—
Silver, Walter H., and Lohrman.

Long, Alfred A., Los Angeles, Calif. Display counter. 2,567,388, Sept. 11.

Loree, Minton R., Mount Morris, Mich. Fish stringer apparatus. 2,567,775, Sept. 11.

Lorenz, Anton, Buffalo, N. Y. Reclining article of furniture. 2,567,222, Sept. 11.

Loritsch, John A., Scotia, and P. M. Di Cerbo, Schenectady, N. Y., assignors to General Electric Company. Suspension of vinyl chloride polymer in polymerizable liquid. 2,567,719, Sept. 11.

Lovatt, James W. A., Hanley, Stoke-on-Trent, England. Support for ceramic ware during firing. 2,567,009, Sept. 11.

Low, Frederick G.: *See*—
Fitts, George R., and Low.

Lucas, Joseph, Limited, assignee: *See*—
Watson, Ernest A., and Ifield.

Lüdi, Fritz, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Electron tube generating ultra-short electromagnetic oscillations. 2,567,339, Sept. 11.

Lunde, Herman M., Austin, Minn. Knife rest. 2,567,817, Sept. 11.

Lundquist, Oliver L., assignor to Century Lighting, Inc., New York, N. Y. Electric lighting fixture with rotatable base and rotatable housing. 2,567,291, Sept. 11.

Lundstrom, Carl B., Little Falls, N. Y. Impregnating wood with chemical solutions. 2,567,292, Sept. 11.

Lundy, Alvin S., Huntington Woods, assignor to C. B. Schneible, Detroit, Mich. Treatment of gas and the like. 2,567,776, Sept. 11.

Lüscher, Leber & Cie A.-G., assignee: *See*—
Hunsiker, Emil.

Lynch Corporation, assignee: *See*—
Sandberg, Oscar.

Lytle, George A., Sacramento, Calif. Fishing line jerk attachment. 2,567,340, Sept. 11.

Maag-Zahnrader und -Maschinen Aktiengesellschaft, assignee: *See*—
Aeppli, Albert.

MacCracken, Calvin D., New Rochelle, N. Y., assignor to Jet-Heet, Inc., Englewood, N. J. Liquid fuel nozzle. 2,567,818, Sept. 11.

MacDonald, Raymore D., La Grange, assignor to Athey Products Corporation, Chicago, Ill. Portable breaker unit with bar-screen separator in the material feed structure. 2,567,389, Sept. 11.

Madden, Joseph, Gary, Ind., assignor to United States Steel Company. Fire check. 2,567,720, Sept. 11.

Maher, William W., and H. B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Blank separating and feeding device. 2,567,223, Sept. 11.

Maiden Form Brassiere Company, Inc., assignee: *See*—
Rosenthal, William.

Mall, Arthur W., Flossmoor, and W. L. Gorden, assignors to Mall Tool Company, Chicago, Ill. Adjustable bumper attachment for chain saws. 2,567,886, Sept. 11.

Mall Tool Company, assignee: *See*—
Mall, Arthur W., and Gorden.

Malone, Rogers W., Jr., assignor to Monsanto Chemical Company, St. Louis, Mo. Fungi and bacteria resistant polyvinyl chloride compositions. 2,567,910, Sept. 11.

Mansfield, William R., Belmont, and F. C. Hughes, Cambridge, Mass., assignors to W. A. Boughton, C. L. Dawes, W. R. Mansfield, F. C. Hughes, and D. M. Hill, trustees. Method of and apparatus for making high-temperature-resisting bonded mica products. 2,567,721, Sept. 11.

Manson, Harry G., and R. P. Hansen, assignors to Hansen Manufacturing Company, Princeton, Ind. Stoker control system. 2,567,437, Sept. 11.

Marathon Corporation, assignee: *See*—
Deutsch, Fred M., Warzinik, and Meier.

Marberg, Carl M., and M. E. Shields, Kansas City, Mo., assignors to The Perfex Company. Fabric finishing composition. 2,567,722, Sept. 11.

Marple, Kenneth E., Oakland, and E. C. Shokal, Walnut Creek, assignors to Shell Development Company, San Francisco, Calif. Plastic compositions from copolymers of unsaturated esters of ethereal oxygen-containing acids. 2,567,675, Sept. 11.

Marsden, James W., San Francisco, Calif. Sealing strip. 2,567,619, Sept. 11.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of guanidine sulfate. 2,567,676, Sept. 11.

Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine sulfate. 2,567,677, Sept. 11.

Marshall, Elaine H., Wrentham, Mass. Stapling bows to greeting cards. 2,567,648, Sept. 11.

Martin, Walter C., Hinsdale, Ill. Folding deck chair. 2,567,341, Sept. 11.

Martinuzzi, Bruno, assignee: *See*—
Brantingson, Sigurd.

Masonite Corporation, assignee: *See*—
Lesniak, Frank G.

Massino, Joseph, Berwick, Pa. Fishing signal. 2,567,777, Sept. 11.

Matteson, Erwin A., and W. P. Donald, assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio. Coil handling apparatus. 2,567,819, Sept. 11.

Mattocks, Albert M., Cleveland, Ohio, assignor to Bristol Laboratories, Inc., Syracuse, N. Y. Basic ethers of xylenols. 2,567,778, Sept. 11.

Maxwell, John D., Glen Head, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Darkroom camera. 2,567,293, Sept. 11.

McAuley, James W.: *See*—
Galgey, Romey A., and McAuley.

McBee, Earl T., West Lafayette, Ind., and R. M. Robb, Wilmington, Del., assignors to Purdue Research Foundation, West Lafayette, Ind. Perfluorination of hydrocarbons with lead tetrafluoride. 2,567,569, Sept. 11.

McBride, Charles L., assignor to Joy Toys, Inc., Tampa, Fla. Roller coaster of the loop-the-loop type. 2,567,438, Sept. 11.

McCann, Ronald A., assignor to The Union Switch and Signal Company, Swissvale, Pa. Entrance-exit route interlocking control apparatus. 2,567,887, Sept. 11.

McCarty, Theodore M., assignor to Gibson, Incorporated, Kalamazoo, Mich. Magnetic pickup for stringed musical instruments. 2,567,570, Sept. 11.

McClaren, L. S., assignee: *See*—
McGehee, Burnard.

McClintock, Freeman H., Lansing, Mich. Vehicle body convertible to ambulance use. 2,567,294, Sept. 11.

McCoy, Clarence E., Clarendon Hills, and W. J. Scott, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Applying annular coatings to light bulbs. 2,567,723, Sept. 11.

McCurdy, Everett D., trustee, assignee: *See*—
Brennan, Joseph B.

McDonald, John P.: *See*—
Schwartz, Joseph P., and J. P., S. H., and T. J. McDonald.

McDonald, Stanley H.: *See*—
Schwartz, Joseph P., and J. P., S. H., and T. J. McDonald.

McDonald, Thomas J.: *See*—
Schwartz, Joseph P., and J. P., S. H., and T. J. McDonald.

McGehee, Burnard, assignor of one-third to L. S. McClaren and one-third to N. B. Gillis, McComb, Miss. Porch glider. 2,567,611, Sept. 11.

McGehee, Burnard, assignor of one-third to L. S. McClaren and one-third to N. B. Gillis, McComb, Miss. Porch glider. 2,567,612, Sept. 11.

McGraw Electric Company, assignee: *See*—
Link, Edwin A.
Van Ryan, Anthony.
Van Ryan, Anthony, and Harry.

McInerney, James M.: *See*—
McInerney, William K. and J. M.

McInerney, William K. and J. M., Grand Rapids, Mich. Tension regulation coil spring. 2,567,520, Sept. 11.

McKeague, James J., Chicago, Ill. Safety valve. 2,567,439, Sept. 11.

McKee, Albert E., Chicago, Ill. Oxygen administration. 2,567,225, Sept. 11.

McKee, Albert E., Chicago, and J. D. Elsom, Evanston, Ill.; said Elsom assignor to said McKee. Oxygen administration system. 2,567,224, Sept. 11.

McLean, Kyle G., assignee: *See*—
Thomas, Roy R.

McLeish, William S., Barberton, assignor to The Ric-wil Company, Cleveland, Ohio. Conduit system. 2,567,521, Sept. 11.

McNulty, Charles G., Conneaut, Ohio. Portable ironing board. 2,567,613, Sept. 11.

McWhirter, Eric M. S., and H. J. Ward, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric remote-control system. 2,567,226, Sept. 11.

Mead, Theodore E., Wilmette, Ill. Air ram. 2,567,390, Sept. 11.

Mead, Theodore E., Wilmette, Ill. Exhaust valve structure. 2,567,391, Sept. 11.

Meier, Anton M.: *See*—
Deutsch, Fred M., Warsinik, and Meier.

Merriam, Charles F., Princeton, Fla. Therapeutic shower bath apparatus. 2,567,614, Sept. 11.

Merriman, Henry H., Jackson, Mich. Screw advanced rapid traverse force applying unit. 2,567,571, Sept. 11.

Messerschmidt, Ernest A., Newark, Ohio. Cleaning machine for machine parts and the like. 2,567,820, Sept. 11.

Mesta Machine Company, assignee: *See*—
Iversen, Lorens, and Waldschutz.

Meyerhofer G. m. b. H., assignee: *See*—
Jenny, Rudolf.

Meyers, Walter F., Maywood, Ill. Musical instrument. 2,567,888, Sept. 11.

Michigan Tool Company, assignee: *See*—
Drader, Joseph C.

Miehle Printing Press and Manufacturing Company, assignee: *See*—
Sites, Benjamin L.

Mikeska, Louis A.: *See*—
Arundale, Erving, and Mikeska.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Synthesis of vitamin A. 2,567,572, Sept. 11.

Milas, Nicholas A., Belmont, Mass., assignor to Research Corporation, New York, N. Y. Alkyl peresters. 2,567,615, Sept. 11.

Miller, Benjamin H., Newmarket, N. H., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Liquid cooled smelt discharge spout. 2,567,911, Sept. 11.

Miller, Frank A., Yakima, Wash. Valve control means. 2,567,440, Sept. 11.

Miller, Ralph, Woodside, N. Y., assignor to The Chemical Foundation, Incorporated. Production of calcium phosphate. 2,567,227, Sept. 11.

Miller, Robert E., Bronxville, N. Y. Furniture leg glider. 2,567,441, Sept. 11.

Milligan, Winfred O., Houston, and J. C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Synthesis of hydrocarbons with a reduced gamma iron oxide catalyst. 2,567,295, Sept. 11.

Milligan, Winfred O., Houston, and J. C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of a Fischer-Tropsch catalyst. 2,567,296, Sept. 11.

Milligan, Winfred O., Houston, and J. C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparation of a Fischer-Tropsch catalyst. 2,567,297, Sept. 11.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Dahline, Lawrence J.
Edelman, Walter E.
Olson, Kenneth W.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Bye, Raymond S.
Cross, Bert S., and Netherly.
Joesting, Edwin O.
Palmquist, Philip V., Schmelzle, and Bye.

Mitchell, Alex, Portland, Oreg. Bathing garment. 2,567,442, Sept. 11.

Mitchell, Bernard A., Chicago, Ill. Lighting fixture for elongated tubular lamps. 2,567,779, Sept. 11.

Mitchell, John W., Petts Wood, England. Luminous discharge tube. 2,567,491, Sept. 11.

Modern Telephone Corporation, assignee: *See*—
Ivens, Edgar.

Moen, Clarence, assignor to Moen Ladder Company, Inc., Spokane, Wash. Tube securing key. 2,567,522, Sept. 11.

Moen Ladder Company, Inc., assignee: *See*—
Moen, Clarence.

Moergell, Eduard, Neuewelt, Munchenstein, assignor to Ciba Limited, Basel, Switzerland. Acylamino-anthraquinone vat dyestuffs. 2,567,821, Sept. 11.

Moergell, Eduard, Neuewelt, near Basel, assignor to Ciba Limited, Basel, Switzerland. Vat dyestuffs. 2,567,822, Sept. 11.

Monitor Process Corporation, assignee: *See*—
Tamminga, William.

Monmouth Laboratories, Inc., assignee: *See*—
Levy, Sol J.

Monsanto Chemical Company, assignee: *See*—
Field, Walter E.
Hill, Rutherford B.
Linde, Fredrick A.
Malone, Rogers W., Jr.
Morgan, William M.

Moody, Leroy S., Pittsfield, Mass., assignor to General Electric Company. Polysilthianes. 2,567,724, Sept. 11.

Moore, Lee C., Corporation, assignee: *See*—
Woolslayer, Homer J., and Jenkins.

Moore, Sydney J., assignor to Sulzer Bros. (London) Limited, London, and Josiah Wedgwood & Sons Limited, Stoke-on-Trent, Staffordshire, England. Apparatus for feeding clay or like plastic material to mechanism in which it is to be molded into pottery or like articles. 2,567,523, Sept. 11.

Moore, Willie A., Grambling, La. Insect destroyer. 2,567,616, Sept. 11.

Morales, Valentin, Los Angeles, Calif. Recording and reproducing tone arm attachment. 2,567,852, Sept. 11.

Moreland, William J., Jr., Arcadia, assignor to G. L. Carrington, Encino, Calif. Condenser microphone structure. 2,567,889, Sept. 11.

Morgan, Raymond E., Schenectady, N. Y., assignor to General Electric Company. Three phase control system employing saturable reactors. 2,567,725, Sept. 11.

Morgan, William M., Oswestry, England, assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanising rubber and product thereof. 2,567,853, Sept. 11.

Morganti, Gladys N., Denver, Colo. Make-up hood or cape. 2,567,524, Sept. 11.

Morin, Louis H., Bronx, N. Y. Hydraulic die-casting machine. 2,567,649, Sept. 11.

Morner, Hans G., and E. J. Fredsell, New York, N. Y.; said Fredsell assignor to said Morner. Waterproof fastener. 2,567,298, Sept. 11.

Morrell, Charles E., Westfield, C. S. Carlson, Roselle, J. F. Nelson, Rahway, N. J., and J. Stewart, Brooklyn, N. Y., assignors to Standard Oil Development Company. Extractive distillation of close-boiling hydrocarbon fractions with hydrotropic solutions. 2,567,228, Sept. 11.

Morris, Edwin A.: *See*—
Warren, Chester E., and Morris.

Morris, Eugene S., assignee: *See*—
Schule, Earl A.

Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Automatic telephone system. 2,567,650, Sept. 11.

Morris, Lloyd C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Resinous products from HF acid-soluble oils. 2,567,342, Sept. 11.

Morris, Morgan J. R., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Apparatus for casting metals. 2,567,525, Sept. 11.

Morris, William H., Madison, Ala. Clothes basket hanger. 2,567,573, Sept. 11.

Morrison, George O., Milltown, N. J., assignor to Shawinigan Products Corp., New York, N. Y. Aqueous polyvinyl acetate emulsion paints and preparing same. 2,567,678, Sept. 11.

Morse, Leighton L., San Diego, Calif. Apparatus for measurement of time intervals between pulses. 2,567,229, Sept. 11.

Morton, Henry I.: *See*—
Forkey, Lyonal D., Peterson, and Morton.

Muros, Joseph, Newtonville, assignor to Gillette Safety Razor Company, Boston, Mass. Magazine for and process of feeding safety razor blades. 2,567,230, Sept. 11.

Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Three-side lock snap fastener. 2,567,891, Sept. 11.

Murray, Gilbert, assignor to Dufay-Chromex, Limited, London, England. Plural film color camera, including hinged film gate. 2,567,492, Sept. 11.

Murray, Otis W.: *See*—
Jennings, Andrew B., and Murray.

Myer, Ira, Ephrata, Pa. Row cultivator. 2,567,343, Sept. 11.

Myklestad, Nils O., Urbana, Ill. Control device. 2,567,890, Sept. 11.

National Distillers Products Corporation, assignee: *See*—
Pattee, Ellis C.
Voss, Jack G.

National Lead Company, assignee: *See*—
Hedeman, William N., and Stone.

National Production Company, assignee: *See*—
Barker, Paul L.

National-Standard Company, assignee: *See*—
Frazier, Larry C.
Pierce, Robert C.

Naught, Harold, Rushville, Ill. Fluid sustained aircraft. 2,567,392, Sept. 11.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Larson, Roland W.
Okrent, Jasper J.
Sayre, David.
Silberstein, George P.
Stalber, Howard F.
Stanton, Russell S.
Van Atta, Lester C.
White, Milton G.
Wilchinsky, Zigmond W.
Winter, David F., and Carlson.

Nealley, Lynn L., Santa Rosa, Fla. Fire extinguisher and perforating device. 2,567,344, Sept. 11.

Neckel, Edmund N., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Control mechanism for the fluid pressure operating motor of pressing machines. 2,567,444, Sept. 11.

Needham, John C., Chiswick, assignor to Evershed & Vignoles Limited, London, England. Liquid level indicator. 2,567,823, Sept. 11.

Nelson, Homer B., Vandalia, Ohio. Hoist winch. 2,567,231, Sept. 11.

Nelson, Joseph F.: *See*—
Morrell, Charles E., Carlson, Nelson, and Stewart.

Netherly, George P.: *See*—
Cross, Bert S., and Netherly.

Nevada Leasehold Corporation, assignee: *See*—
Hall, Jesse E.

Nicholoy, Winford E., assignor to The Scott Viner Company, Columbus, Ohio. Conveyer belt aligning mechanism. 2,567,494, Sept. 11.

Nicolls, Wilfrid E. W., Pinner, assignor to C. A. V. Limited, London, England. Hydraulic governor. 2,567,495, Sept. 11.

Niemi, Matti, Anchorage, Alaska. Combined fish pew and counter. 2,567,393, Sept. 11.

Nitkey, Loren W., Dudley, Idaho. Cable winch. 2,567,526, Sept. 11.

Nixon, Ivor G., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of alkyl aromatic sulfonic acids and their salts. 2,567,854, Sept. 11.

Noe, Alfons: *See*—
Wallerstein, Leo, Pfannmuller, and Noe.

Nordquist, Ronald E. J., Maplewood, and W. F. Grupe, Lyndhurst, N. J., assignors to American Can Company, New York, N. Y. Machine for printing on containers. 2,567,232, Sept. 11.

Nordqvist, Olle G.: *See*—
Collgert, Sven A., and Nordqvist.

Norton Company, assignee: *See*—
Alvord, Charles C.
Ballard, Archibald H.
Silven, Herbert A.

Nu-Swift, Limited, assignee: *See*—
Henshaw, Thomas A.

Nuttman, Charles W., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Inductance coil. 2,567,394, Sept. 11.

Nylund, Harry W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic gain control. 2,567,824, Sept. 11.

O'Boyle, Edward H., assignee: *See*—
Ridgeway, Allen T.

Odén, Knut O., assignor to Aktiebolaget Hadar Schmidt, Stockholm, Sweden. Article controlled release mechanism for postal franking machines. 2,567,493, Sept. 11.

Office of Scientific Research and Development, United States of America as represented by the Executive Secretary of the, assignee: *See*—
Licklider, Joseph C. R.

Ohmega Laboratories, assignee: *See*—
Foster, Harry R., and Crump.

Okrent, Jasper J., Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Integrating circuit. 2,567,574, Sept. 11.

Olson, Kenneth W., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Resistance measuring apparatus. 2,567,575, Sept. 11.

O'Meara, Thomas J., Ottawa, Ontario, Canada. Wheel guard with signal means. 2,567,443, Sept. 11.

Oppelt, William P., assignor to The International Silver Company, Meriden, Conn. Hurricane lamp adapter for candlesticks. 2,567,780, Sept. 11.

Osterman, Philip C., assignor to American Gas Furnace Company, Elizabeth, N. J. Furnace temperature regulator. 2,567,892, Sept. 11.

Paljuk, Nicholas, Gloversville, N. Y. Combination glass and cigarette holder and ash tray. 2,567,345, Sept. 11.

Palmquist, Philip V., Canada Township, Ramsey County, A. F. Schmelzle, and R. S. Bye, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflex-reflective sheet material useful for protective garments and the like. 2,567,233, Sept. 11.

Palumbo, Vincent E., Cleveland Heights, Ohio. Guiding and preventing lateral displacement of cam followers. 2,567,576, Sept. 11.

Papa, Domenick: *See*—
Sperber, Nathan, Papa, and Schwenk.

Papesch, Viktor, Morton Grove, and E. F. Schroeder, assignors to G. D. Searle and Company, Chicago, Ill. 1,3 dialkyl-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. 2,567,651, Sept. 11.

Pariser, Sidney, New York, N. Y. Television antenna. 2,567,577, Sept. 11.

Parke, Davis & Company, assignee: *See*—
Eleveschl, George, Jr.

Parker, Elizabeth W., Washington, D. C. Measuring the pH of aqueous liquids, moist foodstuffs, and the like. 2,567,445, Sept. 11.

Parker Industrial Products, Inc., assignee: *See*—
Hall, Jesse E.

Parker, Milton, and H. C. Bowden, Baltimore, Md. Freight car door fitting. 2,567,652, Sept. 11.

Parker, Raymond, assignee: *See*—
Hendricks, Frank R.

Parks, Asbury S., Houston, Tex. Packing assembly. 2,567,527, Sept. 11.

Pastell, Dewey, Winthrop Harbor, Ill. Toolholding spindle for die-lapping machines. 2,567,299, Sept. 11.

"Patehold" Patentverwertungs-& Electro-Holding A. G., assignee: *See*—
Lüdi, Fritz.

Pattee, Ellis C., Cincinnati, Ohio, assignor to National Distillers Products Corporation. Enhancing the feed value of distillers' slop. 2,567,258, Sept. 11.

Pedersen, Birger T., Smestad, pr. Oslo, Norway. Transformer with regulable output current. 2,567,617, Sept. 11.

Percy, Constance L., executrix: *See*—
Kirschenbauer, Hans G., and Percy.

Percy Joseph H.: *See*—
Kirschenbauer, Hans G., and Percy.
Perfex Company, The, assignee: *See*—
Marberg, Carl M., and Shields.
Petermeier, Edwin F., Melrose, Minn. Floating vehicle seat. 2,567,346, Sept. 11.
Peters, Harry C.: *See*—
Rockburg, George A., and Peters.
Peterson, Howard B.: *See*—
Maher, William W., and Peterson.
Peterson, John T.: *See*—
Forkey, Lyonal D., Peterson, and Morton.
Peterson, Thomas F., Jr., Shaker Heights, Ohio. Perpetual calendar. 2,567,395, Sept. 11.
Peterson, Walter S., Sr., Denver, Colo. Fishhook-forming device. 2,567,396, Sept. 11.
Petrocarbon Limited, assignee: *See*—
Aicher, Alfred A.
Peyrot, Pierre P.: *See*—
Bidaud, Auguste F., and Peyrot.
Pfannmuller, Julius: *See*—
Wallerstein, Leo, Pfannmuller, and Noe.
Pfau, William F., Cincinnati, Ohio. Solid fuel feeding device. 2,567,397, Sept. 11.
Pfeifer, William J., Point Pleasant, N. J., assignor to Forstner Chain Corporation. End connection for wrist watch straps and bracelets. 2,567,398, Sept. 11.
Philadelphia Quartz Company, assignee: *See*—
Hay, Harold R.
Philco Corporation, assignee: *See*—
Hoagland, Clifford C.
Phillips, Harry, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for coating insole blanks. 2,567,234, Sept. 11.
Phillips, Harry T.: *See*—
Lievense, Peter A., and Phillips.
Phillips Petroleum Company, assignee: *See*—
Clark, Alfred.
Hebard, Glen G.
Morris, Lloyd C.
Pierce, Robert C., assignor to National-Standard Company, Niles, Mich. Stranding machine. 2,567,347, Sept. 11.
Pieth, Peter: *See*—
Straub, Fritz, Brassel, and Pieth.
Pinkerton, Harold R., assignee: *See*—
Ridgeway, Allen T.
Pippin, Clarence A., M. O. Robinson, and W. R. Bennett, assignors to The Dow Chemical Company, Midland, Mich. Rapid-wetting bentonite-calcium sulfate backfill for cathodic protection. 2,567,855, Sept. 11.
Pistey, John M., Fairfield, Conn., assignor to General Electric Company. Lamp holder for single pin type fluorescent lamps. 2,567,726, Sept. 11.
Pittenger, Glenn C., Kirkwood, assignor to Ralston Purina Company, St. Louis, Mo. Portable hand spray pump. 2,567,466, Sept. 11.
Pohle, Eric, and A. Y. Bentley, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Cathode-ray tube electrode. 2,567,893, Sept. 11.
Polk, Helen R., administratrix: *See*—
Polk, Joseph G.
Polk, Joseph G., deceased, Freeport, N. Y.; H. R. Polk, administratrix. Attachment for the spindle housings of drill presses. 2,567,856, Sept. 11.
Polomski, John B., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Automatic transmission. 2,567,446, Sept. 11.
Pound, Robert V., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Wave guide mixer. 2,567,835, Sept. 11.
Powers Photo Engraving Company, assignee: *See*—
Maxwell, John D.
Prache, Jacques E., Fontenay sous Bois, assignor to Schneider & Cie, Paris, France. Muzzle recoil check for firearms. 2,567,826, Sept. 11.
Preco Incorporated, assignee: *See*—
Beemer, Paul K.
Beemer, Paul K., and Fuchs.
Price, Raymond F., Tucson, Ariz. Clothes hanger. 2,567,348, Sept. 11.
Princevalle, Peter: *See*—
Toti, Andrew J., and Princevalle.
Proctor, John H., East Berkshire, Vt. Reel. 2,567,857, Sept. 11.
Proell, Wayne A., assignor to Standard Oil Company, Chicago, Ill. Purifying sulfonic acids. 2,567,399, Sept. 11.
Progress Manufacturing Company, Inc., assignee: *See*—
Rosen, Ruben P.
Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Robb.
Quackenbush, Edward C., Aurora, assignor to American Phenolic Corporation, Chicago, Ill. Connector having an automatic locking sleeve. 2,567,727, Sept. 11.
Quaintance, Hadly W., Caldwell, Idaho. Fountain pen. 2,567,618, Sept. 11.
Quaker Oats Company, The, assignee: *See*—
Andrews, Edward D.
Rabuteau, Guy, Paris, France, assignor to International Standard Electric Corporation Inc., New York, N. Y. Impedance matching arrangement for high-frequency antennae. 2,567,235, Sept. 11.
Radio Corporation of America, assignee: *See*—
Giacoletto, Lawrence J., and Wolff.
Hanchett, George D., Jr.
Linder, Ernest G.
Rahe, Mary A., Mount Pleasant, Iowa. Child's safety belt. 2,567,400, Sept. 11.
Ralbourn, Paul, Southport, Conn. Producing colored photographs. 2,567,401, Sept. 11.
Ralston Purina Company, assignee: *See*—
Pittenger, Glenn C.
Ramsden, Charles H., Oakland, and A. B. Court, San Francisco, assignors, to Rice Growers Association of California, Sacramento, Calif. Feed device. 2,567,447, Sept. 11.
Rangabe, Alexander R.: *See*—
Thomson, Amherst F. H., Wright, and Rangabe.
Ranger, Arthur W., Brighton, England. Quick return mechanism for bed and cylinder presses. 2,567,578, Sept. 11.
Ransburg Electro-Coating Corp., assignee: *See*—
Ransburg, Harold P.
Ransburg, Harold P., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Coating articles. 2,567,781, Sept. 11.
Rapp, Janet L. C.: *See*—
Anderson, Philip C., and Rapp.
Rauschenberg, Clarence H., Washington, D. C. Seat cover and cushion. 2,567,402, Sept. 11.
Rawlins, Herbert L., Edgewood, and H. H. Fahnoe, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,567,236, Sept. 11.
Rawplug Company, Inc., The, assignee: *See*—
Gelpcke, Alfred W.
Raytheon Manufacturing Company, assignee: *See*—
Argento, Henry F.
Burkholder, Theodore M.
Kienow, Orwald E.
Lagerlof, Karl G.
Read Standard Corporation, assignee: *See*—
Fitts, George R., and Low.
Reason, Ronald P., Keithsburg, Ill., assignor to D. M. Smalley, Cedar Rapids, Iowa. Heated tractor seat. 2,567,349, Sept. 11.
Recksiek, Elma, executrix: *See*—
Heber, Michael.
Reeves Steel and Manufacturing Company, The, assignee: *See*—
Curtis, Rowland G.
Reichelt, Lester O.: *See*—
Keusch, Edwin F., and Reichelt.
Reinke, Elmer F., Milwaukee, and F. G. Wiegratz, Wauwatosa, Wis. Sleeping car. 2,567,894, Sept. 11.
Remington Rand Inc., assignee: *See*—
Cronin, William F.
Wolters, Carl F., and Watkins.
Republic Steel Corporation, assignee: *See*—
Morris, Morgan J. R.
Research Corporation, assignee: *See*—
Hedberg, Carl W. J.
Milas, Nicholas A.
Rhees, Carm P., Staten Island, N. Y. Grinding, polishing, and feather-edging tool. 2,567,782, Sept. 11.
Rhodehamel, Harley W., Jr., assignor to Eli Lilly and Company, Indianapolis, Ind. Penicillin salt. 2,567,679, Sept. 11.
Riblet, Henry J., and M. E. Van Valkenburg, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Scalloped plural dipole antenna. 2,567,858, Sept. 11.
Rice Growers Association of California, assignee: *See*—
Ramsden, Charles H., and Court.
Richardson, Max C., Portland, Oreg. Connector for electric cords. 2,567,783, Sept. 11.
Rickerich, Frederick, Jr., Morsemere, and N. J. Edge, assignors to Colloid Corporation of America, Jersey City, N. J. Flexible rotor. 2,567,448, Sept. 11.
Ric-wil Company, The, assignee: *See*—
McLeish, William S.
Riddle, Harvey W., Branford, Conn., assignor to The American Steel and Wire Company of New Jersey. Wire rope. 2,567,300, Sept. 11.
Ridgeway, Allen T., Yakima, assignor of one-quarter to E. H. O'Boyle and one-quarter to J. Ballack, Walla Walla, and one-quarter to H. R. Pinkerton, Seattle, Wash. Pipe threading machine. 2,567,784, Sept. 11.
Ridings, Gravice H.: *See*—
Wise, Raleigh J., and Ridings.
Riede, Peter M.: *See*—
Zenner, George H., and Riede.
Rieger Manufacturing Company, The, assignee: *See*—
Rieger, Nelson M.
Rieger, Nelson M., Germantown, assignor to The Rieger Manufacturing Company, Miamisburg, Ohio. Pedal for bicycles or the like. 2,567,785, Sept. 11.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Omega-haloalkyl benzhydryl ether and making same. 2,567,350, Sept. 11.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Manufacture of benzhydryl ethers. 2,567,351, Sept. 11.

Ringo, Atlee, Bloomington, Ill. Electric range tester and analyzer. 2,567,859, Sept. 11.
Ritter Company, Inc., assignee: *See*—
Blatz, Hanson.
Rivero, Horace M., Tampa, Fla. Artificial fishing lure. 2,567,728, Sept. 11.
Robb, Richard M.: *See*—
McBee, Earl T., and Robb.
Robinson, Melvin O.: *See*—
Pippin, Clarence A., Robinson, and Bennett.
Rockburg, George A., and H. C. Peters, assignors to The T. L. Smith Company, Milwaukee, Wis. Lubricator. 2,567,729, Sept. 11.
Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Illuminative device for projecting continuously changing color designs. 2,567,403, Sept. 11.
Rock-Ola Manufacturing Corporation, assignee: *See*—
Rockola, David C.
Roe, Edward T.: *See*—
Scanlan, John T., Swern, and Roe.
Rolls-Royce Limited, assignee: *See*—
Davis, Christopher A.
Rommer, Jack J., Newark, N. J. Device for ejecting an opaque medium in the soft parts of the body for X-raying purposes. 2,567,895, Sept. 11.
Rose, Benjamin: *See*—
Rose, Samuel, and Benjamin.
Rose, Samuel, and B., New York, N. Y. Apparatus for drying photographic strip film. 2,567,730, Sept. 11.
Rosen, Ruben P., assignor to Progress Manufacturing Company, Inc., Philadelphia, Pa. Fluorescent lamp socket. 2,567,731, Sept. 11.
Rosenberg, Leon J., Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo. Telescopic shipping carton. 2,567,786, Sept. 11.
Rosenfeld, Edward M., deceased, Cleveland Heights, Ohio; S. Rosenfeld, administratrix, assignor to S. Rosenfeld. Adjustable bed. 2,567,619, Sept. 11.
Rosenfeld, Sylvia, administratrix, assignee: *See*—
Rosenfeld, Edward M.
Rosenthal, George J., Los Angeles, Calif. Adjustable bed lamp with extensible shield. 2,567,528, Sept. 11.
Rosenthal, William, Bayville, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 2,567,732, Sept. 11.
Ross, John, Ramsey, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Stabilizing fatty material. 2,567,404, Sept. 11.
Rotax Limited, assignee: *See*—
Hamilton, Ralph F. G.
Rozmus, Walter J., Utica, N. Y. Wrench attaching and retaining clip. 2,567,352, Sept. 11.
Ruhland, Sidney, New York, N. Y. Pendulum inclinometer. 2,567,653, Sept. 11.
Runsdorf, Herbert J. A., Brooklyn, N. Y. Jack kit. 2,567,680, Sept. 11.
Russell, Julia R., Columbus, Ohio. Removable cover for upholstered articles of furniture. 2,567,579, Sept. 11.
Rust, John D., Memphis, Tenn. Suds-forming and moisture-supplying means for spindle moistening apparatus. 2,567,301, Sept. 11.
Ruther, James H., Pasco, Wash. Watch stem setter and winder. 2,567,580, Sept. 11.
Ryan, George A., Royal Oak, Mich. Drawing compass attachment. 2,567,733, Sept. 11.
Ryan, John K.: *See*—
Veon, Paul E., and Ryan.
Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,567,353, Sept. 11.
S & M Lamp Co., assignee: *See*—
Green, Fred, and Horne.
Safety Tourniquet Corporation, assignee: *See*—
Cohen, David.
Sahutski, John A., Wilkes-Barre, Pa. Fish lure. 2,567,787, Sept. 11.
St. Clair, William E., and R. V. Lawrence, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Aluminum resinates and preparation. 2,567,250, Sept. 11.
Salmon, Peter L., Glasgow, Scotland. Adjustable handle for attachment to cans. 2,567,788, Sept. 11.
Salter, Ludwig L., assignor to De Laval Steam Turbine Company, Trenton, N. J. Turbine drive. 2,567,581, Sept. 11.
Sandberg, Oscar, Defiance, Ohio, assignor to Lynch Corporation. Wrapping machine for sandwiches and the like. 2,567,405, Sept. 11.
Sanford Investment Company, The, assignee: *See*—
Jones, Robert E.
Santay Corporation, assignee: *See*—
Wood, James E.
Sawyer, Fred A., Uniontown, Pa. Hollow baseboard heating and air conditioning. 2,567,789, Sept. 11.
Sayre, David, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Signal-generator. 2,567,734, Sept. 11.
Scanlan, John T., D. Swern, and E. T. Roe, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Amides of 9,10-epoxystearic acid. 2,567,237, Sept. 11.
Schaffan, Stephan, Jr., Irvington, N. J. Miniature railway connector. 2,567,790, Sept. 11.
Schakel, Elisabeth, Amsterdam, Netherlands. Device for marking out measurements on material for garments, etc. 2,567,354, Sept. 11.
Schall, Harold E., assignee: *See*—
Whittier, Clyde.
Schering Corporation, assignee: *See*—
Sperber, Nathan, Papa, and Schwenk.
Schetzer, Charles H., Goodland, Kans. Accelerator pedal rest. 2,567,529, Sept. 11.
Schiller, James C.: *See*—
Milligan, Winfred O., and Schiller.
Schmelzle, Ambrose F.: *See*—
Palmquist, Philip V., Schmelzle, and Bye.
Schmid, John H., assignor to J. A. Zurn Manufacturing Company, Erie, Pa. Floor drain. 2,567,355, Sept. 11.
Schneible, Claude B., assignee: *See*—
Lundy, Alvin S.
Schneider & Cie, assignee: *See*—
Prache, Jacques E.
Schroeder, Elmer F.: *See*—
Papesch, Viktor, and Schroeder.
Schule, Earl, A., Deer River, Minn., assignor of one-half to E. S. Morris, Houston, Tex. Trailer hitch. 2,567,530, Sept. 11.
Schutte and Koerting Company, assignee: *See*—
Varga, Andrew.
Schwartz, Joseph P., and J. P., S. H., and T. J. McDonald, St. Paul, Minn. Hydraulic jack. 2,567,681, Sept. 11.
Schwenk, Erwin: *See*—
Sperber, Nathan, Papa, and Schwenk.
Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Roller cam follower. 2,567,735, Sept. 11.
Scott Viner Company, The, assignee: *See*—
Nicholoy, Winford E.
Scott, Walter J.: *See*—
McCoy, Clarence E., and Scott.
Searle, G. D., & Co., assignee: *See*—
Burtner, Robert R.
Searle, G. D., and Company, assignee: *See*—
Papesch, Viktor, and Schroeder.
Sefing, Frederick G., Cranford, N. J., assignor to The International Nickel Company, Inc., New York, N. Y. Heat-treating gray cast iron. 2,567,791, Sept. 11.
Sellet, Lucien, Saddle River, and W. O. Dawson, East Paterson, N. J., assignors to Jacques Wolf & Co. Dicyandiamide and formaldehyde product and making. 2,567,238, Sept. 11.
Semm, Paul T., assignor to Wheelco Instruments Company, Chicago, Ill. Voltage measuring device using frequency modulation. 2,567,896, Sept. 11.
Shapiro, Lazarus C., assignor, by mesne assignments, to A. A. Glass, New York, N. Y. Tuning mechanism for superheterodyne radio receivers of the step-tuned type. 2,567,860, Sept. 11.
Sharp & Dohme, Incorporated, assignee: *See*—
Hartung, Walter H.
Sprague, James M.
Shawinigan Products Corp., assignee: *See*—
Morrison, George O.
Shell Development Company, assignee: *See*—
Kooyman, Eduard C.
Limburg, Jozef.
Marple, Kenneth E., and Shokal.
Nixon, Ivor G.
Taylor, Marion D.
Shelton, William T.: *See*—
Klopp, James W., and Shelton.
Sheppler, Leo C., assignee: *See*—
Ditmanson, Henry A.
Sherertz, Paul C., Washington, D. C. Pulse generator. 2,567,239, Sept. 11.
Sherman, Harry, Brooklyn, N. Y. Telephone pad attachment. 2,567,449, Sept. 11.
Shields, Marion E.: *See*—
Marberg, Carl M., and Shields.
Shoemaker, J. H., assignee: *See*—
Webster, Hugh G.
Shokal, Edward C.: *See*—
Marple, Kenneth E., and Shokal.
Shwayder Brothers, assignee: *See*—
Adler, John B.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Screen for television projection. 2,567,654, Sept. 11.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Screen for television projection. 2,567,655, Sept. 11.
Siezen, Gerrit J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Translucent projection screen for viewing from two different directions. 2,567,656, Sept. 11.
Sightmaster Corp., assignee: *See*—
Kaplan, Michael L.
Silberstein, George P., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of Navy. Carbon pile gyro pick-off. 2,567,682, Sept. 11.

Silliman, Robert M., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War. Cathode-ray beam intensity control. 2,567,861, Sept. 11.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Automatic steady rest for grinding machines. 2,567,620, Sept. 11.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Quickly attachable implement. 2,567,736, Sept. 11.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Flexibly connected tractor-mounted implement. 2,567,737, Sept. 11.

Silver, Walter H., Moline, Ill., and W. V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Tool bar support for implements. 2,567,738, Sept. 11.

Simon, Edwin G., San Francisco, Calif. Wood plane and drawknife. 2,567,739, Sept. 11.

Sinclair Refining Company, assignee: *See*— Teter, John W.

Singer Manufacturing Company, The, assignee: *See*— Turner, Edgar P.

Sip, Karel, Slany, Czechoslovakia. Foldable ladder. 2,567,302, Sept. 11.

Sites, Benjamin L., Elmhurst, assignor, by mesne assignments, to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Color facsimile system. 2,567,240, Sept. 11.

Skeeters, Maxwell J., Fairport Harbor, and W. J. Esselstyn, Painesville, assignors to Diamond Alkali Company, Cleveland, Ohio. Stabilized tetrachloroethylene composition. 2,567,621, Sept. 11.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device for high-frequency oscillations. 2,567,406, Sept. 11.

Skelton, William E.: *See*— Arnold, George B., and Skelton.

Skillman, Thomas S., Mosman, and A. D. Lackey, McMahons Point, assignors to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Value indication for article dispensing systems. 2,567,241, Sept. 11.

Slagh, Harold R.: *See*— Britton, Edgar C., and Slagh.

Slaymaker, Frank H., Rochester, N. Y., assignor to Stromberg-Carlson Company. Electroacoustic transducer. 2,567,407, Sept. 11.

Smalley, D. M., assignee: *See*— Reason, Ronald P.

Smith, Earl K.: *See*— Edwards, Donald V., and Smith.

Smith, F., & Co. (Whitworth) Limited, assignee: *See*— Leach, Frank, and Sutcliffe.

Smith, Joseph B., Cleveland, Ohio. Sleeve coupling for pipes. 2,567,243, Sept. 11.

Smith, Kline & French Laboratories, assignee: *See*— Burger, Alfred.

Smith, Marion F.: *See*— Greider, Harold W., and Smith.

Smith, Marion W., Bay Village, and F. W. Weigel, Fairview Village, assignors to The V. D. Anderson Company, Cleveland, Ohio. Fines separation. 2,567,450, Sept. 11.

Smith, Rule W., assignor to Customaire Engineering Company, Auburn, Ind. Air-conditioner system. 2,567,915, Sept. 11.

Smith, Scott V., Danville, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Article testing and sorting apparatus. 2,567,741, Sept. 11.

Smith, Sydney, Lawrenceville, N. J. Roller bearing assembly and producing same. 2,567,242, Sept. 11

Smith, T. L., Company, The, assignee: *See*— Rockburg, George A., and Peters.

Smith, Walter L., Jr., Philadelphia, Pa., assignor to General Electric Company. Channel bracing and interconnecting wiring trough system for switchboards. 2,567,740, Sept. 11.

Smith, William H., Sullivan, Ind. Drilling apparatus. 2,567,451, Sept. 11.

Société de Robinetterie S. A. J.: *See*— Francis, Pierre.

Société des Brevets Kegresse, S. E. K., assignee: *See*— Grandjirard, Henri.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*— Bidaud, Auguste F. Bidaud, Auguste F., and Peyrot.

Söderberg, Gustav E., Stockholm, Sweden. Needle threader. 2,567,408, Sept. 11.

Solomon, Ernest, Nutley, assignor to The M. W. Kellogg Company, Jersey City, N. J. Dehydration of organic acids. 2,567,244, Sept. 11.

Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Traffic protection apparatus. 2,567,807, Sept. 11.

Sorensen, Madeline, Inglewood, Calif. Educational game device. 2,567,497, Sept. 11.

South, Frank E., Weymouth, Mass. Coin wrapper and counter. 2,567,531, Sept. 11.

Spalding, Joseph P., Silver Spring, Md. Pulse generator. 2,567,247, Sept. 11.

Spears, Morton F., Fairfield, assignor to Dictaphone Corporation, Bridgeport, Conn. Magnetic recording and reproducing system. 2,567,582, Sept. 11.

Speedo Manufacturing Co., Inc., assignee: *See*— Bamberger, Alfred A.

Sperber, Nathan, Bronx, D. Papa, Brooklyn, N. Y., and E. Schwenk, Montclair, assignors to Schering Corporation, Bloomfield, N. J. Aryl-(2-pyridyl)-amino alkanes and their production. 2,567,245, Sept. 11.

Sperry Corporation, The, assignee: *See*— Goertz, Raymond C. Hupcey, Joseph V. Litchford, George B.

Spilhaus, Athelstan F., New York, N. Y. Calculator. 2,567,246, Sept. 11.

Sprague, James M., Drexel Hill, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Heterocyclic quaternary ammonium compounds. 2,567,912, Sept. 11.

Sproul, Nolte V.: *See*— Harrison, William R., Kilpatrick, Zimmermann, Sproul, and Galleher.

Staaff, Per H., Alsten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Standardizing cream. 2,567,898, Sept. 11.

Stachura, Walter J., Dearborn, Mich. Sheet metal lifting tool. 2,567,356, Sept. 11.

Stafford, Roy M., and C. J. Doyle, Houston, Tex.; said Stafford assignor to said Doyle. Holder for screen or other fabrics. 2,567,743, Sept. 11.

Stahmer, Bernhardt, Omaha, Nebr. Eccentric potato slicer. 2,567,248, Sept. 11.

Stalber, Howard F., Williamstown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Triggered square wave voltage generator. 2,567,742, Sept. 11.

Stalker, Edward A., Bay City, Mich. Gas turbine. 2,567,249, Sept. 11.

Stampings, Incorporated, assignee: *See*— Fauser, Oscar, Jr.

Standard Oil Company, assignee: *See*— Proell, Wayne A. Strange, John H., and Grubb.

Standard Oil Development Company, assignee: *See*— Arundale, Erving, and Haworth. Arundale, Erving, and Juterbock. Arundale, Erving, and Mikeska. Milligan, Winfred O., and Schiller. Morrell, Charles E., Carlson, Nelson, and Stewart.

Stanton, Russell S., Louisville, Ky., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. High-frequency current transformer. 2,567,744, Sept. 11.

Statkus, Walter, Milwaukee, Wis. Pipe handling apparatus for welding. 22,567,303, Sept. 11.

Stephenson, Geoffrey H., London, assignor to Electric & Musical Industries Limited, Hayes, England. Electrical analogue device. 2,567,532, Sept. 11.

Stewart, Joseph: *See*— Morrell, Charles E., Carlson, Nelson, and Stewart.

Stitt, Fred, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture. Analytical selenium strip and preparation thereof. 2,567,251, Sept. 11.

Stoller, Hugh M., deceased, by M. M. Stoller, executrix, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Time delay relay. 2,567,827, Sept. 11.

Stoller, Marian M., executrix: *See*— Stoller, Hugh H.

Stone, Clarence L.: *See*— Hedeman, William N., and Stone.

Stone, Leo F., assignor to The Grico Two Axle Drive Company, Detroit, Mich. Two axle driving mechanism for motor vehicles and mounting therefor. 2,567,657, Sept. 11.

Stough, Gerald D., Detroit, assignor to Whitehead & Kales Company, River Rouge, Mich. Cargo-bracing structure. 2,567,658, Sept. 11.

Strahan, Robert S., Watertown, Mass. Super-heater for furnaces and the like. 2,567,452, Sept. 11.

Strang, Leslie C., Sunbury-on-Thames, assignor to Anglo-Iranian Oil Company Limited, London, England. Refining of hydrocarbons. 2,567,252, Sept. 11.

Strange, John H., Hammond, and H. M. Grubb, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill. Apparatus for pressure measurement. 2,567,253, Sept. 11.

Straub, Fritz, Kaiseraugst, J. Brassel, and P. Pieth, assignors to Ciba Limited, Basel, Switzerland. Making disazo dyestuffs. 2,567,828, Sept. 11.

Strauss, Theodore O., New York, N. Y. Centering device. 2,567,498, Sept. 11.

Stromberg-Carlson Company, assignee: *See*— Holbrook, Ralph O. Morris, Frank A. Slaymaker, Frank H. Trousdale, Robert B.

Stromer, George, New Buffalo, Mich. Fresh flower holder. 2,567,583, Sept. 11.

Sulzer Bros. (London) Limited, assignee: *See*— Moore, Sydney J.

Sun Chemical Corporation, assignee: *See*— Gardepe, Morris A. Chaney, Preston E., and Barnes.

Sutcliffe, Ivor W.: *See*— Leach, Frank, and Sutcliffe.

Suthann, Robert A., Los Angeles, Calif. Combined cabinet and chassis for mounting electrical components. 2,567,829, Sept. 11.

Swenson, Carl A. and P. R., Loves Park, Ill. Pumpmobile toy. 2,567,453, Sept. 11.

Swenson, Philip R.: *See*— Swenson, Carl A. and P. R.

Swern, Daniel: *See*— Scanlan, John T., Swern, and Roe.

Swift & Company, assignee: *See*— Black, Howard C., and Leaders.

Swindell-Dressler Corporation, assignee: *See*— Dressler, Philip D., and Hopkins.

Taconis, Krijn W., Leiden, Netherlands. Process of and apparatus for heat pumping. 2,567,454, Sept. 11.

Tamminga, William, Wallkill, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J. Milk dispenser with quantity regulator. 2,567,683, Sept. 11.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Soluble, unsaturated, air-drying interpolymers of 2-alkenoxyalkyl esters of alpha-olefinic moncarboxylic acids with selected 2-alkenyl compounds and making same. 2,567,304, Sept. 11.

Taylor, Marion D., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Fume hood. 2,567,622, Sept. 11.

Tecalemit Limited, assignee: *See*— Le Claire, Camille C. S.

Tennessee Coal, Iron and Railroad Company, assignee: *See*— Camp, James B.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Preparing nitriles and pyridines. 2,567,254, Sept. 11.

Texas Company, The, assignee: *See*— Arnold, George B., and Skelton. Goldsby, Arthur R. Little, Jack L. Watson, Claude W.

Thomas, Charles C. H., Pittsburgh, Pa. Colloidal iodine preparation and making the same. 2,567,584, Sept. 11.

Thomas, Roy R., assignor to L. G. McLean, Spokane, Wash. Power drive for reciprocating saws. 2,567,533, Sept. 11.

Thompson, Herbert L., Elgin, Ill. Fishing fly wing former. 2,567,623, Sept. 11.

Thomson, Amherst F. H., G. P. Wright, and A. R. Rangabe, Baldock, England. Cathode arrangement for electron discharge devices. 2,567,624, Sept. 11.

Timian, Ida M., Milwaukee, Wis. Sponge rubber bedpan. 2,567,830, Sept. 11.

Toth, Emerick, Potomac Park, Md. High-frequency vacuum tube. 2,567,255, Sept. 11.

Toti, Andrew J., and P. Princevalle, Modesto, assignors of one-third to J. A. Bried, Berkeley, Calif. Venetian blind. 2,567,256, Sept. 11.

Trad, Victor, Deal, N. J. Projection lens barrel for Schmidt lens system. 2,567,745, Sept. 11.

Trent, Walter R., North Arlington, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. High molecular weight fatty acids. 2,567,409, Sept. 11.

Triplett, Helen A., executrix, assignee: *See*— Triplett, Louis B.

Triplett, Louis B., deceased, Pasadena; by H. A. Triplett, executrix, Coronado, assignor to H. A. Triplett, Santa Barbara, Calif. Foot treating device. 2,567,625, Sept. 11.

Trousdale, Robert B., Rochester, N. Y., assignor to Stromberg-Carlson Company. Multiphase generator. 2,567,410, Sept. 11.

Trouslot, Dorothy, administratrix: *See*— Trouslot, Rollin B., Jr.

Trouslot, Rollin B., Jr., deceased, Redwood City, Calif.; D. Trouslot, administratrix. Reclining lounge chair. 2,567,626, Sept. 11.

Tuckey, Charles L., Cass City, Mich. Door opener. 2,567,684, Sept. 11.

Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Altitude control system for automatic pilots. 2,567,831, Sept. 11.

Turner, Edward A., North Canton, assignor to Diebold, Incorporated, Canton, Ohio. Hollow metal door construction. 2,567,357, Sept. 11.

Union Carbide and Carbon Corporation, assignee: *See*— Brehany, John J., and Ahlstrand. Zenner, George H., and Riede.

Union Steel Products Company, assignee: *See*— Bussing, Harold.

Union Switch & Signal Company, The, assignee: *See*— Allen, Earl M. Sorensen, Andrew J. McCann, Ronald A.

United-Carr Fastener Corporation, assignee: *See*— Becker, Philip D. Bedford, William A., Jr. Heath, Clarence W. Murphy, Howard J.

United Shoe Machinery Corporation, assignee: *See*— Phillips, Harry.

United States Atomic Energy Commission, United States of America, as represented by the, assignee: *See*— Ayres, John A. Benning, Anthony F. Hocomovich, John. Langsdorf, Alexander S., Jr. Livingston, Ralph.

United States Rubber Company, assignee: *See*— Tawney, Pliny O.

United States Steel Company, assignee: *See*— Madden, Joseph.

Untoria G., Anibal M., Habana, Cuba. Clothespin. 2,567,792, Sept. 11.

Vadner, Samuel, Narberth, Pa. Packing and storage container. 2,567,832, Sept. 11.

Valenta, Oldřich, Prague, Czechoslovakia. Coupler for joining of two tubes or structural elements of circular or other cross section. 2,567,659, Sept. 11.

Van Atta, Lester C., Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Antenna. 2,567,746, Sept. 11.

Van Bibber, Charles D., Florence, Ala. Shutter operated flash synchronizing switch and adjustable mount therefor. 2,567,627, Sept. 11.

Vanderholt, Charles E., Beaumont, Tex. Bung opening. 2,567,628, Sept. 11.

Van Ryan, Anthony, South Milwaukee, Wis., assignor to McGraw Electric Company. Polyphase circuit interrupter. 2,567,411, Sept. 11.

Van Ryan, Anthony, South Milwaukee, Wis., assignor to McGraw Electric Company. Transformer and impregnation. 2,567,412, Sept. 11.

Van Ryan, Anthony, South Milwaukee, and W. R. Harry, Milwaukee, Wis., assignors to McGraw Electric Company. Expulsion gap construction. 2,567,413, Sept. 11.

Van Urk, Arend T., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Coreless moving coil system, more particularly for measuring instruments. 2,567,660, Sept. 11.

Van Valkenburg, Mac E.: *See*— Riblet, Henry J., and Van Valkenburg.

Van Voorhis, Stanley N., Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Communication system. 2,567,862, Sept. 11.

Van Weenen, Franciscus L.: *See*— De Brey, Heinrich, and van Weenen.

Varga, Andrew, assignor to Schutte and Koerting Company, Philadelphia, Pa. Magnetic coupling device. 2,567,863, Sept. 11.

Varga, Michael E., Baltimore, Md., assignor of 45 per cent to E. F. Hyatt, Shelbyville, Tenn. Combination pepper-and-salt shaker with two-piece bottom closure. 2,567,455, Sept. 11.

Vaughn, William G. J., Haslemere, England. Frame changing structure in projectors using film strip. 2,567,499, Sept. 11.

Veon, Paul E., and J. K. Ryan, Beaver Falls, Pa. Casing supporting collapsible tube with means for extruding the tube's contents. 2,567,629, Sept. 11.

Vernon Tool Co. Ltd., assignee: *See*— Haines, Marcus W.

Voss, Jack G., Silverton, Ohio, assignor to National Distillers Products Corporation. Continuous process for enhancing the feed value of distillers' slop. 2,567,257, Sept. 11.

Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen, and F. B. Diesbach, Hamilton, Ohio, trustees. Autographic register. 2,567,305, Sept. 11.

Wagenknecht, Otto E., Chicago, and G. E. Gustafson, River Forest, Ill., assignors to Zenith Radio Corporation. Vernier tuning dial. 2,567,585, Sept. 11.

Walden, Frank H., Philadelphia, Pa. Implement guiding apparatus. 2,567,414, Sept. 11.

Waldschutz, Franz J.: *See*— Iversen, Lorenz, and Waldschutz.

Waldvogel, Jakob: *See*— Borgeaud, Gaston, and Waldvogel.

Waletzky, Emanuel, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Coccidiosis control composition. 2,567,358, Sept. 11.

Wallerstein Company, Inc., assignee: *See*— Wallerstein, Leo, Pfannmuller, and Noe.

Wallerstein, Leo, New York, N. Y., J. Pfannmuller, North Plainfield, N. J., and A. Noe, Staten Island, assignors to Wallerstein Company, Inc., New York, N. Y. Stabilization of enzyme preparations. 2,567,747, Sept. 11.

Walsh, Edward J., Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grid assembly and fabrication. 2,567,415, Sept. 11.

War, United States of America as represented by the Secretary of, assignee: *See*—
Garand, John C.
Golian, Serge E.
Jacobsen, Andrew B.
Lipkin, Harry J.
Pound, Robert V.
Riblet, Henry J., and Van Valkenburg.
Silliman, Robert M.
Van Voorhis, Stanley N.
Warburton, Ray W., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,567,899, Sept. 11.
Ward, Hugh J.: *See*—
McWhirter, Eric M. S., and Ward.
Warren, Chester E., and E. A. Morris, Lyons, Kans. Pipe cutter. 2,567,833, Sept. 11.
Warzinik, Morris: *See*—
Deutsch, Fred M., Warzinik, and Meier.
Wasco, Joseph L.: *See*—
Alquist, Francis N., Wasco, and Irons.
Watkins, George E.: *See*—
Wolters, Carl F., and Watkins.
Watson, Charles G., assignor to The Youngstown Welding & Engineering Company, Youngstown, Ohio. Apparatus for pickling plates. 2,567,416, Sept. 11.
Watson, Claude W., Scarsdale, assignor to The Texas Company, New York, N. Y. Catalytic conversion with a fluidized solid catalyst. 2,567,259, Sept. 11.
Watson, Ernest A., and R. J. Ifield, assignors to Joseph Lucas Limited, Birmingham, England. Liquid fuel control means. 2,567,500, Sept. 11.
Weaving, John H.: *See*—
Bishop, John L. H., and Weaving.
Webster, Hugh G., assignor to J. H. Shoemaker, Detroit, Mich. Metal cleaning composition and process. 2,567,456, Sept. 11.
Webster, Winfield L., Grosse Pointe, Mich. Interchangeable replacement seat cover. 2,567,913, Sept. 11.
Wedgwood, Josiah, & Sons Limited, assignee: *See*—
Moore, Sydney J.
Weigel, Frederick W.: *See*—
Smith, Marion W., and Weigel.
Weller, Winfred W., Likely, Calif. Can opener. 2,567,457, Sept. 11.
Werder, Raymond E., Latrobe, Pa. Template for setting timbers for uniform nailing. 2,567,586, Sept. 11.
West, Merle J., assignor to I. King, Los Angeles, Calif. Mounting means for bulk ice-cream containers. 2,567,458, Sept. 11.
West End Chemical Company, assignee: *See*—
Blackmon, Lynn A.
Western Electric Company, Incorporated, assignee: *See*—
Brown, Raymond W.
Brunner, Anton J.
Bunch, Tillman T.
Ehlschlager, Arthur J.
Haase, Carl O.
Keusch, Edwin F., and Reichelt.
McCoy, Clarence E., and Scott.
Smith, Scott V.
Western Union Telegraph Company, The, assignee: *See*—
Wise, Raleigh J., and Ridings.
Westinghouse Electric Corporation, assignee: *See*—
Fahnoe, Harold H.
Rawlins, Herbert L., and Fahnoe.
Warburton, Ray W.
Wheelco Instruments Company, assignee: *See*—
Semm, Paul T.
Wheeler, Carl F., Medina, Tex. Automatic gate keeper apparatus. 2,567,306, Sept. 11.
White, Milton G., Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Control of wave length in wave guides. 2,567,748, Sept. 11.
Whitehead and Kales Company, assignee: *See*—
Stough, Gerald D.
Whittier, Charles L., assignee: *See*—
Whittier, Robert F., and Field.
Whittier, Clyde, Center, assignor of 50 per cent to H. E. Schall, Monte Vista, Colo. Land leveler. 2,567,534, Sept. 11.
Whittier, Lucile G., assignee: *See*—
Whittier, Robert F., and Field.
Whittier, Robert F., Grand Rapids, and C. P. Field, Belmont, assignors to C. L. and L. G. Whittier, Ada, Mich. Bed drawer and step. 2,567,630, Sept. 11.
Wiegrats, Fred G., assignee: *See*—
Reinke, Elmer F.
Wilchinsky, Zigmond W., Washington, D. C., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Method and apparatus for measuring capacitance. 2,567,587, Sept. 11.
Wiley, Carl A., Yellow Springs, Ohio. Antenna with dielectric casing. 2,567,260, Sept. 11.
Williams, Everard M., Dayton, Ohio. Combined search receiver and radio jamming system. 2,567,261, Sept. 11.
Willis, Edward E., and M. S. Hewins, Hazel Park, Mich. Telescopic sight mount. 2,567,535, Sept. 11.
Wilms, Frank F., East Rockaway, N. Y. Mark-positioning devicee. 2,567,262, Sept. 11.
Wilson, James W., Harrisonville, Mo. Disk sharpener. 2,567,793, Sept. 11.
Wilson, William W., Memphis, Tenn. Sofa bed. 2,567,263, Sept. 11.
Winett, Sidney R., Westfield, N. J. Dental compression clamp. 2,567,794, Sept. 11.
Winkler, Clarence B., Chicago, Ill. Coin-changer mechanism. 2,567,900, Sept. 11.
Winter, David F., Cambridge, and C. A. Carlson, Roxbury, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Rotary gap modulator. 2,567,749, Sept. 11.
Winters, William P., Cincinnati, Ohio, and J. W. Lockwood, Simcoe, Ontario, Canada, assignors to American Can Company, New York, N. Y. Shielding device for wiper mechanisms. 2,567,264, Sept. 11.
Wintriss, George, Summit, N. J. Making slide fasteners. 2,567,914, Sept. 11.
Wise, Raleigh J., Dunellen, and G. H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. System and apparatus involving optical scanning. 2,567,307, Sept. 11.
Wockenfus, William, Union, N. J., assignor to Control Instrument Company, Inc., New York, N. Y. Printing means for selective printing wires. 2,567,308, Sept. 11.
Wolf, Jacques, & Co., assignee: *See*—
Sellet, Lucien, and Dawson.
Wolff, Irving: *See*—
Giacoletto, Lawrence J., and Wolff.
Wolke, Richard W., Schenectady, N. Y., assignor to General Electric Company. Magnetic shuttle detector. 2,567,751, Sept. 11.
Wolters, Carl F., New Canaan, Conn., and G. E. Watkins, Kenmore, assignors to Remington Rand Inc., New York, N. Y. Flexible curtain for sectional desks. 2,567,536, Sept. 11.
Wood, James E., Evanston, assignor to Santay Corporation, Chicago, Ill. Steering wheel spinner. 2,567,901, Sept. 11.
Woodward, Clarence M., Washington, D. C. Demountable beam compass. 2,567,265, Sept. 11.
Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light sensitive elements for color photography. 2,567,750, Sept. 11.
Woolslayer, Homer J., and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Portable mast structure. 2,567,795, Sept. 11.
Workman, Ernest R., Chicago, Ill. Wire winding machine and forming coils of wire. 2,567,537, Sept. 11.
Wright, George P.: *See*—
Thomson, Amherst F. H., Wright, and Rangabe.
Yoder, Moses J., Hutchinson, Kans. Operator for flag signal. 2,567,459, Sept. 11.
Young, Frank W., Medfield, Mass. Filter. 2,567,266, Sept. 11.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Clark, William A., and Asaro.
Youngstown Welding & Engineering Company, The, assignee: *See*—
Watson, Charles G.
Zeis, George J. and R. M., Buffalo, N. Y. Visor for automobiles. 2,567,501, Sept. 11.
Zeis, Raymond M.: *See*—
Zeis, George J. and R. M.
Zenith Radio Corporation, assignee: *See*—
Aram, Nathan W.
Brown, Jesse E.
Wagenknecht, Otto E., and Gustafson.
Zenner, George H., and P. M. Riede, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide Carbon Corporation. Method of and apparatus for withdrawing fluid from containers. 2,567,588, Sept. 11.
Zimmermann, Hans J.: *See*—
Harrison, William R., Kilpatrick, Zimmermann, Sproul, and Galleher.
Zurn, J. A., Manufacturing Company, assignee: *See*—
Schmid, John H.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electronic control for alternating current translating devices. W. H. Elliot. Re. 23,410, Sept. 11.

Transformer. A. R. Davis. Re. 23,409, Sept. 11.

Windrow turner. R. A. Stenzel. Re. 23,411, Sept. 11.

LIST OF PLANT INVENTIONS

Nectarine tree. F. W. Anderson. 1,035, Sept. 11.

LIST OF DESIGN INVENTIONS

Applicator for fingernail polish and the like, Adjustable. J. Klugmann. 164,504, Sept. 11.
Artificial denture. M. Beresin. 164,471, Sept. 11.
Ash tray. J. G. Hoehn. 164,497, Sept. 11.
Attachment for a washing machine leg. E. Fuerst. 164,486, Sept. 11.
Base for a worktable or the like. M. T. Voigt. 164,528. Sept. 11.
Belt. H. Stelzer. 164,523, Sept. 11.
Board, Game. V. A. Hinzenberg. 164,495, Sept. 11.
Boot, Cowboy. J. S. Justin, Jr. 164,502, Sept. 11.
Bottle, Decanter. J. Collins and H. A. Bowman. 164,477, Sept. 11.
Box or similar article. H. Ruskin. 164,516, Sept. 11.
Bracelet, Watch. R. Bohnenberger. 164,472, Sept. 11.
Brassière. V. Fredericks. 164,485, Sept. 11.
Cabinet or similar article, Storage. W. Jameson. 164,501, Sept. 11.
Cabinet, Radio. R. D. Budlong. 164,475, Sept. 11.
Carrier, Bottle. E. L. Arneson. 164,466, Sept. 11.
Chain for a bracelet or the like, Expansible link. E. Rodriguez. 164,514, Sept. 11.
Chair. A. S. Goldberg. 164,487, Sept. 11.
Chair. J. E. and E. M. Voelker and J. W. Sabbagh. 164,527, Sept. 11.
Chair, Youth. B. F. Hamilton. 164,490, Sept. 11.
Clip, Curl. I. I. Leon. 164,506, Sept. 11.
Container for wick-holding bottle. E. F. Ellis. 164,481, Sept. 11.
Copyholder. M. A. Flannery. 164,483, Sept. 11.
Cover and marker, Combined grave. G. E. Harvey. 164,492, Sept. 11.
Cover, Battery cable clamp. L. G. Franklin. 164,484, Sept. 11.
Crisper, C. J. Yates. 164,540, Sept. 11.
Dispenser, Refrigerated beverage. R. R. Hull. 164,498, Sept. 11.
Doll, A. B. Hahn. 164,489, Sept. 11.
Drier or similar article, Electric hand. C. J. Oliver and J. Kupski. 164,511, Sept. 11.
Fish bowl. F. Dostalek. 164,480, Sept. 11.
Fountain, Portable. A. C. Mifsud. 164,510, Sept. 11.
Girdle or similar article. A. A. Meyers. 164,509, Sept. 11.
Golf club and golf ball carrier, Combined. A. W. Kerr. 164,503, Sept. 11.
Golf club head. M. A. Behrendt. 164,469, Sept. 11.
Hairpin spreader. T. L. Unruh. 164,526, Sept. 11.
Handle, Shower and tub diverter valve. S. A. Young. 164,541, Sept. 11.
Holder or the like, Coin. W. E. Stageberg. 164,522, Sept. 11.
House trailer, Duplex. R. Ten Eyck. 164,524, Sept. 11.
Lamp base, Wall. L. Secrist. 164,520, Sept. 11.
Lamp post. C. R. Phillips. 164,513, Sept. 11.
Lamp, Wall. R. D. Smith. 164,521, Sept. 11.
Light fixture. C. D. McCann. 164,507, Sept. 11.
Lighting fixture, Multiple. C. D. McCann. 164,508, Sept. 11.
Mold jacket. J. F. Hines. 164,494, Sept. 11.
Nebulizer. L. H. Zahn. 164,542, Sept. 11.
Pitcher, Cream. R. G. Cowan. 164,479. Sept. 11.
Pourer, Liquor. G. Clare. 164,476, Sept. 11.
Rack, Clothes. B. H. Ives. 164,500, Sept. 11.
Seat adaptor or similar article, Toilet. W. A. Inman. 164,499. Sept. 11.
Shaving brush and razor unit, Combined. F. Broes, Sr. 164,473, Sept. 11.
Shoe, J. Sandler. 164,517–19, Sept. 11.
Shoe, Child's. J. H. Everston. 164,482, Sept. 11.
Snowsuit or similar article, Child's. M. Rosenbloom. 164,515, Sept. 11.
Spectacle front. H. Weissman. 164,539, Sept. 11.
Spoon or other article of flatware. E. J. Conroy. 164,478, Sept. 11.
Spoon or similar article. F. Wagner. 164,529-38, Sept. 11.
Spoon or similar article of flatware. N. Bel Geddes. 164,470, Sept. 11.
Stand, Mobile refreshment. A. E. Umholtz. 164,525, Sept. 11.
Stand or similar article, Display. F. Hobhouse. 164,496, Sept. 11.
Stocking, Lady's. C. Appel. 164,465, Sept. 11.
Store building, W. A. Bryans, 164,474. Sept. 11.
Telephone recording pickup. E. E. Hansen, Jr., and L. M. Heineman. 164,491, Sept. 11.
Tool, Adjustable slide wedge blocking. R. S. Arnold. 164,467, Sept. 11.
Truck, Store service. S. N. Goldman. 164,488, Sept. 11.
Viewer, Film. A. L. Henkel. 164,493, Sept. 11.
Wrench for screw-back watchcases. P. A. Petit. 164,512, Sept. 11.
Wrench or similar article, Self-adjusting. J. V. Larson. 164,505, Sept. 11.
Wind and rain shield attachment for automotive vehicles. J. E. Baker. 164,468. Sept. 11.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerating composition. R. B. Hill. 2,567,710, Sept. 11.
Accelerator, Magnetic resonance particle. N. Christofilos. 2,567,804, Sept. 11.
Acylamino-anthraquinone vat dyestuffs. E. Moergeli. 2,567,821, Sept. 11.
Air-conditioner system. R. W. Smith. 2,567,915, Sept. 11.
Air-conditioning method. C. M. Ashley. 2,567,758, Sept. 11.
Aircraft, Fluid sustained. H. Naught. 2,567,392, Sept. 11.
Air ram. F. E. Mead. 2,567,390, Sept. 11.
Alarm system, Radio carrier. S. J. Levy. 2,567,908, Sept. 11.
Aligning mechanism, Conveyer belt. W. E. Nicholoy. 2,567,494, Sept. 11.
Alkali metal pentachlorophenate pellets. F. A. Linde. 2,567,906, Sept. 11.
Alkaline earth oxysulfide phosphor. R. B. Head. 2,567,769, Sept. 11.
Alkyl aromatic sulfonic acids and their salts, Production of. I. G. Nixon. 2,567,854, Sept. 11.
Alkyl peroxters. N. A. Milas. 2,567,615, Sept. 11.
Alkylation of phenolic compounds with olefins. E. C. Kooyman. 2,567,848, Sept. 11.
Altitude control system for automatic pilots. E. P. Turner. 2,567,831, Sept. 11.
Aluminum resinates and preparation. W. E. St. Clair and E. V. Lawrence. 2,567,250, Sept. 11.
Amides of 9,10-epoxystearic acid. J. T. Scanlan, D. Swern, and E. T. Roe. 2,567,237, Sept. 11.
Aminostilbene derivatives and process, Water-soluble. F. Ackermann. 2,567,796, Sept. 11.
Analytical selenium strip and preparation thereof. F. Stitt. 2,567,251, Sept. 11.
Antenna. L. C. Van Atta. 2,567,746, Sept. 11.
Antenna, Precipitation static reducing aircraft. W. C. Hall. 2,567,205, Sept. 11.
Antenna, Scalloped limacon pattern. G. B. Litchford. 2,567,229, Sept. 11.
Antenna, Scalloped plural dipole. H. J. Riblet and M. E. Van Valkenburg. 2,567,858, Sept. 11.
Antenna, Television. S. Priser. 2,567,577, Sept. 11.
Antenna with dielectric casing. C. A. Wiley. 2,567,260, Sept. 11.
Apparatus for casting metals. M. J. R. Morris. 2,567,325, Sept. 11.
Apparatus for controlling electrical power. R. W. Brown. 2,567,695, Sept. 11.
Apparatus for drying photographic strip film. S. and B. Rose. 2,567,730, Sept. 11.
Apparatus for feeding clay or like plastic material to mechanism in which it is to be molded into pottery or like articles. S. J. Moore. 2,567,523, Sept. 11.
Apparatus for handling rod and wire bundles or the like. B. N. Bleton. 2,567,271, Sept. 11.
Apparatus for kneading and manufacturing granulated plastic masses. E. Colombo. 2,567,274, Sept. 11.
Apparatus for making electrical measurements. A. J. Ehlschlager. 2,567,700, Sept. 11.
Apparatus for measurement of time intervals between pulses. L. L. Morse. 2,567,229, Sept. 11.
Apparatus for pickling plates. C. G. Watson. 2,567,416, Sept. 11.
Apparatus for plotting graphs. L. Bihaly. 2,567,632, Sept. 11.
Apparatus for positioning a rotary controlled element. H. F. Elliott. 2,567,325, Sept. 11.
Apparatus for pressure measurement. J. H. Strange and H. M. Gibbs. 2,567,253, Sept. 11.
Apparatus for testing gas leakage. H. Lacks. 2,567,215, Sept. 11.
Apparatus for the measurement of radioactivity. J. Heczenovich. 2,567,668, Sept. 11.
Apparatus materializing the paths of electrified particles moving inside a magnetic field. J. M. Loeb. 2,567,647, Sept. 11.
Applicator head for fountain brushes. A. B. Davies. 2,567,769, Sept. 11.
Applying annular coatings to light bulbs. C. E. McCoy and W. J. Scott. 2,567,723, Sept. 11.
Applying electrically conducting coatings to vitreous bases. R. A. Gaiser and J. W. McAuley. 2,567,331, Sept. 11.
Aqueous polyvinyl acetate emulsion paints and preparing same. C. O. Morrison. 2,567,678, Sept. 11.

Armrest for automobiles and trucks. A. J. Buck. 2,567,840, Sept. 11.
Article controlled release mechanism for postal franking machines. K. O. Odén. 2,567,493, Sept. 11.
Article of baby furniture, Combination. I. E. Adams. 2,567,752, Sept. 11.
Article testing and sorting appartus. S. V. Smith. 2,567,741, Sept. 11.
Aryl-(2-pyridyl)-amino alkanes and their production. N. Sperber, D. Papa, and E. Schwenk. 2,567,245, Sept. 11.
Asbestos sheet material and manufacture. H. W. Greider and M. F. Smith. 2,567,558–9, Sept. 11.
Attachment for the spindle housings of drill presses. J. G. Polk. 2,567,856, Sept. 11.
Attenuator, Ultra-high-frequency. J. V. Hupcey. 2,567,210, Sept. 11.
Automatic steady rest for grinding machines. H. A. Silven. 2,567,620, Sept. 11.
Automatic transmission. J. B. Polomski. 2,567,446, Sept. 11.
Automotive vehicle radiator and gas tank handling apparatus. F. F. Lietz. 2,567,384, Sept. 11.
Baby carriage support. L. Gottfried. 2,567,808, Sept. 11.
Bacitracin, Production of. G. D. Darker. 2,567,698, Sept. 11.
Bait, Artificial. C. R. Anderson. 2,567,310, Sept. 11.
Baler salter. A. L. Boughan. 2,567,760, Sept. 11.
Bandage, Hand. D. T. Lewis. 2,567,489, Sept. 11.
Basic ethers of xylenols. A. M. Mattocks. 2,567,778, Sept. 11.
Battery breaking machine. W. O. Blake. 2,567,542, Sept. 11.
Bed, Adjustable. E. M. Rosenfeld. 2,567,619, Sept. 11.
Bed bath. C. A. Hoffman. 2,567,514, Sept. 11.
Bedpan, Sponge rubber. I. M. Timian. 2,567,830, Sept. 11.
Bed, Sofa. W. W. Wilson. 2,567,263, Sept. 11.
Bee feeder. A. V. Briercliffe. 2,567,871, Sept. 11.
Belt, Child's safety. M. A. Rahe. 2,567,400, Sept. 11.
Benzhydryl ethers, Manufacture of. G. Rieveschl, Jr. 2,567,351, Sept. 11.
Beryllium nitride, Preparation of. A. S. Langsdorf, Jr. 2,567,518, Sept. 11.
Blank separating and feeding device. W. W. Maher and H. B. Peterson. 2,567,223, Sept. 11.
Block for plate type clutches, Rubber. H. C. Goodchild. 2,567,168, Sept. 11.
Blouse holder. J. C. Farquhar. 2,567,277, Sept. 11.
Board: *See*—
Portable ironing board.
Box: *See*—
Polish rod stuffing box.
Brace for holding table legs, Locking. J. B. Adler. 2,567,417, Sept. 11.
Brace, Orthopedic drop-foot. E. C. Ellery. 2,567,195, Sept. 11.
Bracket for cane, Caster. D. Coviello. 2,567,185, Sept. 11.
Bracket for mounting rollers on overhead doors. H. B. Clark. 2,567,763, Sept. 11.
Bracket for supporting cables or pipes. O. H. Lind. 2,567,386, Sept. 11.
Braiding machine. T. T. Bunch. 2,567,694, Sept. 11.
Brassière. W. Rosenthal. 2,567,732, Sept. 11.
Buckle and strap, Stirrup. J. H. Baker. 2,567,314, Sept. 11.
Bulk polymerization of vinyl compounds using a sulfinic acid catalyst. P. Castan and O. Haggers. 2,567,803, Sept. 11.
Bumper attachment for chain saws, Adjustable. A. W. Mall and W. L. Gorden. 2,567,886, Sept. 11.
Bung opening. C. E. Vanderbolt. 2,567,628, Sept. 11.
Burner control, Automatic. P. G. Frerer. 2,567,702, Sept. 11.
Burner safety control system and apparatus. W. E. Edelman. 2,567,807, Sept. 11.
Cabinet and chassis for mounting electrical components, Combined. R. A. Suthann. 2,567,829, Sept. 11.
Cable attachment, Tow target. R. Aiken. 2,567,170, Sept. 11.
Calcium phosphate, Production of. R. Miller. 2,567,227, Sept. 11.
Calculator. A. F. Spilhaus. 2,567,246, Sept. 11.

Calculator, Graphical. F. M. Goyan and J. Dufrenoy. 2,567,882, Sept. 11.
Calendar, Perpetual. T. F. Peterson, Jr. 2,567,395, Sept. 11.
Cam for operating valves of internal-combustion engines. J. L. H. Bishop. 2,567,689, Sept. 11.
Cam for operating valves of internal-combustion engines. J. L. H. Bishop and J. H. Weaving. 2,567,690, Sept. 11.
Camera, Darkroom. J. D. Maxwell. 2,567,293, Sept. 11.
Camera, Including hinged film gate, Plural film color. G. Murray. 2,567,492, Sept. 11.
Can handle, brush scraper, and brush rest, Combination. D. E. Entsminger. 2,567,326, Sept. 11.
Can opener. W. W. Weller. 2,567,457, Sept. 11.
Car: *See*—
Drop end gondola car.
Car, Sleeping. E. F. Reinke and F. G. Wiegratz. 2,567,894, Sept. 11.
Carbon pile gyro pick-off. G. P. Silberstein. 2,567,682, Sept. 11.
Carbon sheets, etc., with margin guides. H. J. Kraus. 2,567,435, Sept. 11.
Cargo-bracing structure. G. D. Stough. 2,567,658, Sept. 11.
Carriage, Folding. W. P. Bancroft. 2,567,464, Sept. 11.
Carrier: *See*—
Powered carrier.
Carrier. V. J. Hepp. 2,567,206, Sept. 11.
Carton, Telescopic shipping. L. J. Rosenberg. 2,567,786, Sept. 11.
Case for pocket watches, Traveling. D. S. Ingraham. 2,567,564, Sept. 11.
Case stand. E. Hunziker. 2,567,669, Sept. 11.
Case with spring operated closures, Partitioned cigarette. E. A. Lemire. 2,567,218, Sept. 11.
Catalytic conversion with a fluidized solid catalyst. C. W. Watson. 2,567,259, Sept. 11.
Catch construction for cases. C. Fyfe. 2,567,881, Sept. 11.
Cathode arrangement for electron discharge devices. A. F. H. Thomson, G. P. Wright, and A. R. Rangabe. 2,567,624, Sept. 11.
Cathode-ray beam intensity control. R. M. Silliman. 2,567,861, Sept. 11.
Cathode ray tube. J. M. Cage. 2,567,874, Sept. 11.
Cathode-ray tube. M. L. Kaplan. 2,567,714, Sept. 11.
Cathode-ray tube electrode. E. Pohle and A. Y. Bentley. 2,567,893, Sept. 11.
Centering device. T. O. Strauss. 2,567,498, Sept. 11.
Centering tool. W. S. Jock. 2,567,338, Sept. 11.
Chair: *See*—
Folding deck chair. Reclining lounge chair.
Infant's chair.
Channel bracing and intersecting wiring trough system for switchboards. W. L. Smith, Jr. 2,567,740, Sept. 11.
Cider mill. L. D. Forkey, J. T. Peterson, and H. I. Morton. 2,567,371, Sept. 11.
Cigarette paper booklet machine. O. F. Goepfert. 2,567,201, Sept. 11.
Circuit: *See*—
Counter circuit. Pulse-blocking circuit.
Electronic circuit. Pulse coding circuit.
Integrating circuit. Time interval circuit.
Circuit arrangement for protecting an amplifying tube against overloading. P. K. Buys. 2,567,272, Sept. 11.
Circuit interrupter. H. H. Fahnoe. 2,567,768, Sept. 11.
Circuit interrupter. H. L. Rawlins and H. H. Fahnoe. 2,567,236, Sept. 11.
Circuits, Combining. H. W. Kohler. 2,567,214, Sept. 11.
Clamp: *See*—
Dental compression clamp. Toggle clamp.
Hydraulic work hold-down or clamp.
Cleaner: *See*—
Suction cleaner.
Cleaner and dust receptacle therefor, Suction. E. Anderson. 2,567,171, Sept. 11.
Cleaning and truing device, Thread. A. P. Heidenbrand. 2,567,480, Sept. 11.
Cleaning composition and process, Metal. H. G. Webster. 2,567,456, Sept. 11.
Cleaning machine for machine parts and the like. E. A. Messerschmidt. 2,567,820, Sept. 11.
Clip: *See*—
Wrench attaching and retaining clip.
Clothes basket hanger. W. H. Morris. 2,567,573, Sept. 11.
Clothes hanger. R. F. Price. 2,567,348, Sept. 11.
Clothesline tensioning and positioning device. D. E. Belich. 2,567,270, Sept. 11.
Clothespin. A. M. Untoria G. 2,567,792, Sept. 11.
Coaster of the loop-the-loop type, Roller. C. L. McBride. 2,567,438, Sept. 11.
Coating articles. H. P. Ransburg. 2,567,781, Sept. 11.
Coating nickel with mercury. T. M. Burkholder. 2,567,762, Sept. 11.
Coccidiosis control composition. E. Waletsky. 2,567,358, Sept. 11.
Coffee maker. G. B. Davis, Jr. 2,567,187–8, Sept. 11.
Coil handling apparatus. E. A. Matteson and W. P. Donald. 2,567,819, Sept. 11.
Coil system, more particularly for measuring instruments, Coreless moving. A. T. Van Urk. 2,567,660, Sept. 11.
Coin-changer mechanism. C. B. Winkler. 2,567,900, Sept. 11.
Collapsible ironing table. W. L. Anderson. 2,567,538, Sept. 11.
Collet chuck. S. A. Colligert and O. G. Nordqvist. 2,567,471, Sept. 11.
Collet chuck. G. W. Kean. 2,567,605, Sept. 11.
Colloidal iodine preparation and making the same. C. C. H. Thomas. 2,567,584, Sept. 11.
Color facsimile system. B. L. Sites. 2,567,240, Sept. 11.
Communication system. S. E. Golian. 2,567,844, Sept. 11.
Communication system. S. N. Van Voorhis. 2,567,862, Sept. 11.
Communication system of restricted range type. W. S. Halstead. 2,567,431, Sept. 11.
Communication system utilizing successive, different pulse modulation techniques, Multiplex. M. J. E. Golay. 2,567,203, Sept. 11.
Compass, Demountable beam. C. M. Woodward. 2,567,265, Sept. 11.
Condenser: *See*—
Variable condenser.
Conditioning granular and like materials. R. C. Crandall. 2,567,472, Sept. 11.
Conduit hanger. E. B. Atkinson. 2,567,463, Sept. 11.
Conduit system. W. S. McLeish. 2,567,521, Sept. 11.
Connector: *See*—
Miniature railway connector.
Connector for electric cords. M. C. Richardson. 2,567,783, Sept. 11.
Connector having an automatic locking sleeve. E. C. Quackenbush. 2,567,727, Sept. 11.
Container: *See*—
Moisture-destructible container. Portable liquid container.
Packing and storage container.
Container with compressible sealing gasket and pryoff cover. G. C. Erb. 2,567,196, Sept. 11.
Continuous process for enhancing the feed value of distillers' slop. J. G. Voss. 2,567,257, Sept. 11.
Continuous processes for solvent extraction of oil from oil-bearing materials and refinement of the residual solid product. M. Bonotto. 2,567,179, Sept. 11.
Continuously operating pulper. D. E. Jones. 2,567,885, Sept. 11.
Control device. N. O. Myklestad. 2,567,890, Sept. 11.
Control mechanism for the fluid pressure operating motor of pressing machines. E. N. Neckel. 2,567,444, Sept. 11.
Control of wave length in wave guides. M. G. White. 2,567,748, Sept. 11.
Control system for railroads for the code control of interlocked track switches and signals, Centralised traffic. E. M. Allen. 2,567,834, Sept. 11.
Conveyer: *See*—
Reciprocating pusher conveyer.
Counter circuit. C. C. Hoagland. 2,567,845, Sept. 11.
Countercurrent solvent extractor. G. R. Fitts and F. G. Low. 2,567,474, Sept. 11.
Counter, Display. A. A. Long. 2,567,388, Sept. 11.
Counter, Sheet. J. B. Camp. 2,567,422, Sept. 11.
Coupler for joining of two tubes or structural elements of circular or other cross sections. O. Valenta. 2,567,659, Sept. 11.
Coupling: *See*—
Hose coupling.
Coupling device, Magnetic. A. Varga. 2,567,863, Sept. 11.
Coupling for line space wheels. K. Gebhardt. 2,567,640, Sept. 11.
Coupling for pipes, Sleeve. J. B. Smith. 2,567,243, Sept. 11.
Coupling for shafts, Flexible. J. Deubel. 2,567,663, Sept. 11.
Cover: *See*—
Interchangeable replacement seat cover.
Cover and cushion, Seat. C. H. Rauschenberg. 2,567,402, Sept. 11.
Cover for pails. R. G. Curtis. 2,567,322, Sept. 11.
Cover for upholstered articles of furniture, Removable. J. R. Russell. 2,567,579, Sept. 11.
Cover or shield, Toilet pipe. E. F. Larson. 2,567,607, Sept. 11.
Covering, Head. J. De Grazia. 2,567,192, Sept. 11.
Cradle, Stranding machine spool. L. C. Frazier. 2,567,329, Sept. 11.
Culling device, Chicken. W. G. Ewell. 2,567,664, Sept. 11.
Cultivator, Row. I. Myer. 2,567,343, Sept. 11.
Curler, Hair. E. M. Arsenault. 2,567,503, Sept. 11.
Current supply apparatus. F. W. Anderson. 2,567,797, Sept. 11.
Curtain for sectional desks, Flexible. C. F. Wolters and G. E. Watkins. 2,567,536, Sept. 11.
Cutter: *See*—
Pipe cutter.
Cutting gears, Method and machine for. L. O. Carlsen. 2,567,273, Sept. 11.
Damping arrangement, Direct-current meter. J. E. Bigelow. 2,567,688, Sept. 11.
Data card sensing device. W. F. Cronin. 2,567,552, Sept. 11.

Dehydration of organic acids. E. Solomon. 2,567,244, Sept. 11.
Dental compression clamp. S. R. Winett. 2,567,794, Sept. 11.
Dental prosthesis and device. R. N. Harper. 2,567,810, Sept. 11.
Destroyer, Insect. W. A. Moore. 2,567,616, Sept. 11.
Desulfurization and sweetening of virgin distillates with an aldehyde. E. Arundale and E. E. Juterbock. 2,567,175, Sept. 11.
Desulfurizing of Searles Lake Brine. L. A. Blackmun. 2,567,867, Sept. 11.
Device for applying tire chains. E. B. Green. 2,567,429, Sept. 11.
Device for automatic frequency correction. E. H. Hugenholtz. 2,567,286, Sept. 11.
Device for ejecting an opaque medium in the soft parts of the body for X-raying purposes. J. J. Rommer. 2,567,895, Sept. 11.
Device for marking out measurements on material for garments, etc. E. Schakel. 2,567,354, Sept. 11.
Dial, Vernier tuning. O. E. Wagenknecht and G. E. Gustafson. 2,567,585, Sept. 11.
Dicyandiamide and formaldehyde product and making. L. Sellet and W. O. Dawson. 2,567,238, Sept. 11.
Discharge device for high-frequency oscillations, Electric. A. M. Skellett. 2,567,406, Sept. 11.
Discharging apparatus, Furnace. C. O. Haase. 2,567,707, Sept. 11.
Disk sharpener. J. W. Wilson. 2,567,793, Sept. 11.
Dispenser for collapsible tubes. H. A. Ditmanson. 2,567,737, Sept. 11.
Dispenser with quantity regulator, Milk. W. Tamminga. 2,567,683, Sept. 11.
Dispensing device with oscillating trap chamber, Beverage. G. L. Gardner and R. E. Boettcher. 2,567,282, Sept. 11.
Door construction, Hollow metal. E. A. Turner. 2,567,357, Sept. 11.
Door fitting, Freight car. M. Parker and H. C. Bowden. 2,567,652, Sept. 11.
Drain, Floor. J. H. Schmid. 2,567,355, Sept. 11.
Drawer and step, Bed. R. F. Whittier and C. P. Field. 2,567,630, Sept. 11.
Drawing compass attachment. G. A. Ryan. 2,567,733, Sept. 11.
Drawing frame. R. C. Berker. 2,567,467, Sept. 11.
Drawing-off mechanism for circular knitting machines. J. Javorek. 2,567,288, Sept. 11.
Drier: *See*—
Electrically heated clothes drier.
Drilling apparatus. W. H. Smith. 2,567,451, Sept. 11.
Driving mechanism for accessories in transport vehicles. P. K. Beemer. 2,567,504, Sept. 11.
Driving mechanism for car accessories. P. K. Beemer and H. O. Fuchs. 2,567,866, Sept. 11.
Driving mechanism for motor vehicles and mounting therefor, Two axle. L. F. Stone. 2,567,657, Sept. 11.
Drop end gondola car. O. Ingram. 2,567,287, Sept. 11.
Dyestuffs, Vat. E. Moergeli. 2,567,822, Sept. 11.
Effecting thermal diffusion, Method of and apparatus for. P. J. W. Debye. 2,567,765, Sept. 11.
Electric current distributing system. R. F. G. Hamilton. 2,567,476, Sept. 11.
Electric switch box support. R. E. Adair and J. C. Baze. 2,567,309, Sept. 11.
Electrical analogue device. G. H. Stephenson. 2,567,532, Sept. 11.
Electrical precipitator with dual discharge electrodes. C. W. J. Hedberg. 2,567,709, Sept. 11.
Electrically heated clothes drier. A. P. Hoskings. 2,567,434, Sept. 11.
Electroacoustic transducer. F. H. Slaymaker. 2,567,407, Sept. 11.
Electrochemical bonding of aluminum with other materials. J. De Ment. 2,567,877, Sept. 11.
Electrolytic device. J. B. Brennan. 2,567,841, Sept. 11.
Electron discharge apparatus. A. E. Anderson. 2,567,359, Sept. 11.
Electron discharge device, Velocity modulated. E. G. Linder. 2,567,674, Sept. 11.
Electron tube generating ultra-short electromagnetic oscillations. F. Lüdi. 2,567,339, Sept. 11.
Electronic circuit. L. J. Dahline. 2,567,876, Sept. 11.
Electronic fence controller. G. D. Hanchett, Jr. 2,567,667, Sept. 11.
Electrostatic generator. L. J. Giacoletto and I. Wolff. 2,567,373, Sept. 11.
Electrostatic precipitator. R. W. Warburton. 2,567,899, Sept. 11.
Element for recording photographic images. A. B. Jennings and O. W. Murray. 2,567,712, Sept. 11.
End connection for wrist watch straps and bracelets. W. J. Pfeifer. 2,567,398, Sept. 11.
Enhancing the feed value of distillers' slop. E. C. Patten. 2,567,258, Sept. 11.
Entrance-exit route interlocking control apparatus. R. A. McCann. 2,567,887, Sept. 11.
Expulsion gap construction. A. Van Ryan and W. R. Harry. 2,567,413, Sept. 11.
Extension foot for ladders. J. C. Doss. 2,567,806, Sept. 11.
Extracting pigments from plants. S. S. and B. S. Berkman. 2,567,362, Sept. 11.
Extractive distillation of close-boiling hydrocarbon fractions with hydrotropic solutions. C. E. Morrell, C. S. Carlson, J. F. Nelson and J. Stewart. 1,567,228, Sept. 11.
Extractor: *See*—
Countercurrent solvent extractor.
Extrusion apparatus. L. M. Grimes. 2,567,704, Sept. 11.
Fabric finishing composition. C. M. Marberg and M. E. Shields. 2,567,722, Sept. 11.
Fastener: *See*—
Three-side lock fastener. Waterproof fastener.
Fastener. L. E. Carson. 2,567,508, Sept. 11.
Fastener for securing members to supports, Sheet metal. C. W. Heath. 2,567,884, Sept. 11.
Fastener for ski binding, Adjustable cable. H. Jansen. 2,567,772, Sept. 11.
Fastener member. W. A. Bedford, Jr. 2,567,902, Sept. 11.
Fastener with clip attachment, Embossment mount. W. A. Bedford, Jr. 2,567,903, Sept. 11.
Fastening means for shoe skates. G. A. Almorth. 2,567,754, Sept. 11.
Feed device. C. H. Ramsden and A. B. Court. 2,567,447, Sept. 11.
Feed reel. L. Iversen and F. J. Waldschutz. 2,567,670, Sept. 11.
Feeder: *See*—
Bee feeder.
Feeding device, Solid fuel. W. F. Pfau. 2,567,397, Sept. 11.
Feeding safety razor blades, Magazine for and process of. J. Muros. 2,567,230, Sept. 11.
Filter. F. W. Young. 2,567,266, Sept. 11.
Filter for black and white and color television receivers, Light. M. L. Kaplan. 2,567,713, Sept. 11.
Fines separation. M. W. Smith and F. W. Weigel. 2,567,450, Sept. 11.
Fire check. J. Madden. 2,567,720, Sept. 11.
Fire control apparatus. S. G. Gerdin. 2,567,665, Sept. 11.
Fire escape mechanism. C. U. Finocchiaro. 2,567,278, Sept. 11.
Fire extinguisher and perforating device. L. L. Nealley. 2,567,[illegible] Sept. 11.
Fischer-Tropsch catalyst, Preparation of a. W. O. Milligan and J. C. Schiller. 2,567,296, Sept. 11.
Fischer-Tropsch catalyst, Preparation of a. W. O. Milligan and J. C. Schiller. 2,567,297, Sept. 11.
Fishhook-forming device. W. S. Peterson, Sr. 2,567,396, Sept. 11.
Fish lure. J. A. Sahutski. 2,567,787, Sept. 11.
Fish pew and counter, Combined. M. Niemi. 2,567,393, Sept. 11.
Fish stringer apparatus. M. R. Loree. 2,567,775, Sept. 11.
Fishing line jerk attachment. G. A. Lytle. 2,567,340, Sept. 11.
Fishing lure, Artificial. H. M. Rivero. 2,567,728, Sept. 11.
Fishing lure, Metal squid. G. E. Bunkowski. 2,567,180, Sept. 11.
Fishing signal. J. Massino. 2,567,777, Sept. 11.
Flanged nut assembly. P. D. Becker. 2,567,864, Sept. 11.
Flight hour indicator. G. M. Freeman. 2,567,512, Sept. 11.
Floating vehicle seat. E. F. Petermeier. 2,567,346, Sept. 11.
Flour and producing the same, Prepared pastry. A. Kipnis. 2,567,815, Sept. 11.
Fluid motor. Q. C. Bridenbaugh. 2,567,505, Sept. 11.
Fluorination of high molecular compounds. A. F. Benning. 2,567,759, Sept. 11.
Focus control means for cathode-ray tubes, Automatic. R. O. Holbrook. 2,567,377, Sept. 11.
Folding and packaging shirts. S. Lighter. 2,567,385, Sept. 11.
Folding deck chair. W. C. Martin. 2,567,341, Sept. 11.
Folding pocket seat. W. K. Bryant. 2,567,595, Sept. 11.
Foot treating device. L. B. Triplett. 2,567,625, Sept. 11.
Force applying unit, Screw advanced rapid traverse. H. H. Merriman. 2,567,571, Sept. 11.
Fountain, Drinking. K. E. Beckley. 2,567,177, Sept. 11.
4 methoxyphenyl ester of 4-chlorobenzene sulfonic acid. E. C. Britton and H. R. Slagh. 2,567,839, Sept. 11.
Frame: *See*—
Drawing frame.
Frame changing structure in projectors using film strip. W. G. J. Vaughn. 2,567,499, Sept. 11.
Frequency discriminator, Electric. C. W. Earp. 2,567,194, Sept. 11.
Fresh flower holder. G. Stromer. 2,567,583, Sept. 11.
Fuel control means, Liquid. E. A. Watson and R. J. Ifield. 2,567,500, Sept. 11.
Fuel injection pump. D. J. Deschamps. 2,567,367, Sept. 11.
Fungi and bacteria resistant polyvinyl chloride compositions. W. E. Field. 2,567,905, Sept. 11.
Fungi and bacteria resistant polyvinyl chloride compositions. R. W. Malone, Jr. 2,567,910, Sept. 11.

Furnace: *See*—
Stoker furnace.
Furnace temperature regulator. P. C. Osterman. 2,567,892, Sept. 11.
Furniture glide. P. D. Becker. 2,567,865, Sept. 11.
Fuse, Electric. A. J. Bowie. 2,567,420, Sept. 11.
Gain control, Automatic. H. W. Nylund. 2,567,824, Sept. 11.
Game device, Educational. M. Sorensen. 2,567,497, Sept. 11.
Garment, Bathing. A. Mitchell. 2,567,442, Sept. 11.
Garment, Foundation. M. W. Brauss. 2,567,761, Sept. 11.
Gas-burner head with high-pressure air jets. R. Jenny. 2,567,485, Sept. 11.
Gas filling for grid control gas tubes. D. V. Edwards and E. K. Smith. 2,567,369, Sept. 11.
Gasket structure for refrigerator car doors and the like. A. W. L. Hartbauer. 2,567,477, Sept. 11.
Gate keeper apparatus, Automatic. C. F. Wheeler. 2,567,306, Sept. 11.
Gauge: *See*—
Window opening gauge.
Generating low-frequency electrical oscillations. U. Krabbe and S. Hedström. 2,567,383, Sept. 11.
Generating set. A. Cuny. 2,567,636, Sept. 11.
Generator: *See*—
Electrostatic generator. Triggered square wave generator.
Multiphase generator. Pulse generator. Signal generator. Water tube steam generator.
Generator and control circuits, Eddy-current. R. C. Goertz. 2,567,202, Sept. 11.
Generator, with positive pressure furnace, Steam or elastic fluid. G. W. Kessler. 2,567,696, Sept. 11.
Glass, Laminated safety. J. D. Ryan. 2,567,353, Sept. 11.
Glider, Furniture leg. R. E. Miller. 2,567,441, Sept. 11.
Glider, Porch. B. McGehee. 2,567,611–12, Sept. 11.
Glycidyl ester, Preparing. J. G. Erickson. 2,567,842, Sept. 11.
Goffering thermoplastic materials, Apparatus and method of. R. Colombo. 2,567,275, Sept. 11.
Grid assembly and fabrication. E. J. Walsh. 2,567,415, Sept. 11.
Grinder and refacing tool, Valve seat. N. Christensen. 2,567,319, Sept. 11.
Grinding machine. C. C. Alvord. 2,567,589, Sept. 11.
Grinding, polishing, and feather-edging tool. C. P. Rhees. 2,567,782, Sept. 11.
Guanidine sulfate. Production of. N. H. Marsh. 2,567,676, Sept. 11.
Guanidine sulfate, Preparation of. N. H. Marsh. 2,567,677, Sept. 11.
Guard with signal means, Wheel. T. J. O'Meara. 2,567,443, Sept. 11.
Guiding and preventing lateral displacement of cam followers. V. E. Palumbo. 2,567,576, Sept. 11.
Guiding apparatus, Implement. F. H. Walden. 2,567,414, Sept. 11.
Hairspring for timepieces. W. Kohlhagen. 2,567,567, Sept. 11.
Handle. I. S. Keeler and G. V. Jakeway. 2,567,565, Sept. 11.
Handle for attachment to cans, Adjustable. P. L. Salmon. 2,567,788, Sept. 11.
Hanger: *See*—
Clothes basket hanger. Conduit hanger.
Clothes hanger.
Hardening casein artificial fibers with titanium, zirconium or tin salts. J. F. Corwin, J. R. Calhoun, and T. M. Buzzo. 2,567,184, Sept. 11.
Heat exchange unit. R. W. Kritzer. 2,567,716, Sept. 11.
Heat pumping, Process of and apparatus for. K. W. Taconis. 2,567,454, Sept. 11.
Heat-treating gray cast iron. F. G. Sefing. 2,567,791, Sept. 11.
Heat-treatment of copper-silver binary alloys. A. W. Hodge. 2,567,560, Sept. 11.
Heated tractor seat. R. P. Reason. 2,567,349, Sept. 11.
Heating unit, Hot-water air. E. W. Caldwell. 2,567,801, Sept. 11.
Helicopter attitude indicator. J. W. Klopp and W. T. Shelton. 2,567,212, Sept. 11.
Heterocyclic quaternary ammonium compounds. J. M. Sprague. 2,567,912, Sept. 11.
High-frequency vacuum tube. E. Toth. 2,567,255, Sept. 11.
High molecular weight fatty acids. W. R. Trent. 2,567,409, Sept. 11.
High quality petroleum products, Production of. E. Arundale and L. A. Mikeska. 2,567,173, Sept. 11.
Higher alcohols, Manufacture of. H. C. Black and W. M. Leaders. 2,567,541, Sept. 11.
Hinge, Spectacle frame. T. J. Fox. 2,567,879, Sept. 11.
Hitch, Trailer. E. A. Schule. 2,567,530, Sept. 11.
Hob. J. C. Drader. 2,567,167, Sept. 11.
Holder: *See*—
Blouse holder. Record sheet holder.
Fresh flower holder.
Holder and ash tray, Combination glass and cigarette. N. Paljuk. 2,567,345, Sept. 11.
Holder for screen or other fabrics. R. M. Stafford and C. J. Doyle. 2,567,743, Sept. 11.
Holder for single pin type fluorescent lamps, Lamp. J. M. Pistey. 2,567,726, Sept. 11.
Hollow baseboard heating and air conditioning. F. A. Sawyer. 2,567,789, Sept. 11.
Hood, Fume. M. D. Taylor. 2,567,622, Sept. 11.
Hood latch. A. Claud-Mantle. 2,567,662, Sept. 11.
Hood or cape, Make-up. G. N. Morganti. 2,567,524, Sept. 11.
Hopper or similar car construction. W. F. Dietrichson. 2,567,766, Sept. 11.
Hose coupling. C. P. Krupp. 2,567,773, Sept. 11.
Housing and stand for bottled gas. O. Fauser, Jr. 2,567,370, Sept. 11.
Hurricane lamp adapter for candlesticks. W. P. Oppelt. 2,567,780, Sept. 11.
Hydraulic die-casting machine. L. H. Morin. 2,567,649, Sept. 11
Hydraulic governor. H. Alfaro. 2,567,753, Sept. 11.
Hydraulic governor. W. E. W. Nicolls. 2,567,495, Sept. 11.
Hydraulic jack. J. P. Schwartz, J. P., S. H., and T. J. McDonald. 2,567,681, Sept. 11.
Hydraulic press control. E. F. Keusch and L. O. Reichelt. 2,567,715, Sept. 11.
Hydraulic recording mechanism. R. R. La Torre. 2,567,217, Sept 11.
Hydraulic work hold-down or clamp. M. W. Haselton. 2,567,641, Sept. 11.
Hydrojector for deep wells. P. Francois. 2,567,638, Sept. 11.
Hydrolysis of steroid sulfates. D. Beall. 2,567,268, Sept. 11.
Hydroxyl- and alkoxyl-substituted cycloalkylpenyl aliphatic acids and the production thereof. R. E. Burtner. 2,567,873, Sept. 11.
Hypodermic injection assembly. E. R. Lawshe. 2,567,673, Sept. 11.
Illuminative device for projecting continuously changing color designs. D. C. Rockola. 2,567,403, Sept. 11.
Impedance matching arrangement for high-frequency antennae. G. Rabuteau. 2,567,235, Sept. 11.
Impeller for dishwashing machines. H. G. Davis. 2,567,509, Sept. 11.
Implement, Earth working. C. F. Doerfler. 2,567,805, Sept. 11
Implement, Flexibly connected tractor-mounted. W. H. Silver and W. V. Lohrman. 2,567,737, Sept. 11.
Implement, Quickly attachable. W. H. Silver and W. V. Lohrman. 2,567,736, Sept. 11.
Impregnating wood with chemical solutions. C. B. Lundstrom. 2,567,292, Sept. 11.
Improving stability and engine cleanliness characteristics of petroleum fractions. E. Arundale and J. P. Haworth. 2,567,174, Sept. 11.
Inclinometer, Pendulum. S. Ruhland. 2,567,653, Sept. 11.
Indicator: *See*—
Flight hour indicator. Liquid level indicator.
Helicopter attitude indicator. Piston position indicator.
Indicator for direction finders. L. A. de Rosa and B. Howard. 2,567,193, Sept. 11.
Inductance coil. C. W. Nuttman. 2,567,394, Sept. 11.
Infant's chair. P. L. Barker. 2,567,418, Sept. 11.
Inking-means for rod-like printing members. E. E. Libman. 2,567,289, Sept. 11.
Inks, Flushed methyl violet. M. A. Gardepe. 2,567,281, Sept. 11
Insect repellent. M. Gates. 2,567,199–200, Sept. 11.
Inserting machine for making structural units, Pin. P. de Anguera. 2,567,191, Sept. 11.
Inspection device, Hosiery. M. Hartline. 2,567,478, Sept. 11.
Instrument, Musical. W. F. Meyers. 2,567,888, Sept. 11.
Integrating apparatus, Electric current. R. H. Dicke. 2,567,276, Sept. 11.
Integrating circuit. J. J. Okrent. 2,567,574, Sept. 11.
Interchangeable replacement seat cover. W. L. Webster. 2,567,913, Sept. 11.
Inverse method of forming particulate coated sheets. B. S. Cross and G. P. Netherly. 2,567,186, Sept. 11.
Jack: *See*—
Hydraulic jack.
Jack kit. H. J. A. Runsdorf. 2,567,680, Sept. 11.
Joint and fitting, Pipe. H. L. Fulton. 2,567,639, Sept. 11.
Key retainer, Ejection-type. L. Kniebes. 2,567,816, Sept. 11.
Key, Tube securing. C. Moen 2,567,522, Sept. 11.
Knife rest H. M. Lunde. 2,567,817, Sept. 11.
Ladder, Foldable. K. Sip. 2,567,302, Sept. 11.
Lamp structure with shade and base interlocking member. F. R. Hendricks. 2,567,336, Sept. 11.
Lamp with extensible shield, Adjustable bed. G. J. Rosenthal. 2,567,528, Sept. 11.
Latch: *See*—
Hood latch.
Leveler, Land. C. Whittier. 2,567,534, Sept. 11.
Lever for rotary bar door fasteners, Operating handle. G. E. Dath. 2,567,366, Sept. 11.
Lid, Journal box. G. B. Dorey. 2,567,878, Sept. 11.
Light sensitive elements for color photography. D. W. Woodward. 2,567,750, Sept. 11.
Light with reflector, guard, and two-part handle, Trouble. G. B. Benander. 2,567,687, Sept. 11.

Lighter, Automatic cigarette. L. Ansel. 2,567,311, Sept. 11.
Lighting fixture for elongated tubular lamps. B. A. Mitchell. 2,567,779, Sept. 11.
Lighting fixture with rotatable base and rotatable housing, Electric. O. L. Lundquist. 2,567,291, Sept. 11.
Line, Tapered corrugated. R. W. Larson. 2,567,718, Sept. 11.
Liquid level indicator. J. C. Needham. 2,567,823, Sept. 11.
Loading and firing mechanism, Air gun. L. V. Kapsa. 2,567,643, Sept. 11.
Lock: *See*—
Toggle lock.
Low-temperature separation of oil from wax involving initial chilling in a film-type chiller. J. L. Little. 2,567,646, Sept. 11.
Lubricator. G. A. Rockburg and H. C. Peters. 2,567,729, Sept. 11.
Luminous discharge tube. J. W. Mitchell. 2,567,491, Sept. 11.
Machine for coating insole blanks. H. Phillips. 2,567,234, Sept. 11.
Machine for grinding gear wheels. A. Aeppli. 2,567,460, Sept. 11.
Machine for molding concrete blocks. J. O. Christensen. 2,567,549, Sept. 11.
Machine for pitting cherries. G. W. Ashlock, Jr. 2,567,591, Sept. 11.
Machine for printing on containers. R. E. J. Nordquist and W. F. Grupe. 2,567,232, Sept. 11.
Machine for reversely winding webs or fabrics. F. Leach and I. W. Sutcliffe. 2,567,644, Sept. 11.
Machine for spinning concrete poles, columns, pipes, and other concrete units. H. Gould. 2,567,666, Sept. 11.
Machine for stuffing olives. G. W. Ashlock. 2,567,590, Sept. 11.
Magnetic recording and reproducing system. M. F. Spears. 2,567,582, Sept. 11.
Magneto. A. D. Livingston. 2,567,290, Sept. 11.
Maintenance of catalytic activity in hydrocarbon conversion systems. A. W. Hoge. 2,567,207, Sept. 11.
Making activated carbon. E. Berl. 2,567,468, Sept. 11.
Making diazo dyestuffs. F. Straub, J. Brassel, and P. Pieth. 2,567,828, Sept. 11.
Making high temperature-resisting bonded mica products, Method of and apparatus for. W. R. Mansfield and F. C. Hughes. 2,567,721, Sept. 11.
Making pile fabric. H. Ewing. 2,567,327, Sept. 11.
Making slide fasteners. G. Wlstrim. 2,567,914, Sept. 11.
Mandrel, Vacuum. E. A. Link. 2,567,387, Sept. 11.
Manufacture of sodium aluminum fluoride. E. Brodal and H. Goldhav. 2,567,544, Sept. 11.
Manufacturing latex articles. J. Bonniel. 2,567,317, Sept. 11.
Manufacturing motor fuels by polymerization and alkylation. A. R. Goldsby. 2,567,283, Sept. 11.
Manufacturing pen points. T. W. Lepkowski. 2,567,608, Sept. 11.
Manufacturing soap. H. G. Kirschenbauer and J. H. Percy. 2,567,381, Sept. 11.
Mark-positioning device. F. F. Willms. 2,567,262, Sept. 11.
Mast structure, Portable. H. J. Woolslayer and C. Jenkins. 2,567,795, Sept. 11.
Material handling system, Electric motor driven. D. C. Gray. 2,567,883, Sept. 11.
Measuring capacitance, Method and apparatus for. Z. W. Wilchinsky. 2,567,587, Sept. 11.
Measuring device. H. E. Balsiger. 2,567,360, Sept. 11.
Measuring device using frequency modulation, Voltage. P. T. Semm. 2,567,896, Sept. 11.
Measuring the pH of aqueous liquids, moist foodstuffs, and the like. E. W. Parker. 2,567,445, Sept. 11.
Metallurgical apparatus. R. D. Blue. 2,567,838, Sept. 11.
Microphone structure, Condenser. W. J. Moreland, Jr. 2,567,889, Sept. 11.
Mill: *See*—
Cider mill.
Miniature railway connector. S. Schaffan, Jr. 2,567,790, Sept. 11.
Mirror, Rearview. F. Green and W. O. Herne. 2,567,169, Sept. 11.
Mixer: *See*—
Wave guide mixer.
Mixer for multiplex broadcasting, Crystal. A. Horvath. 2,567,208, Sept. 11.
Mobile collapsible living unit. M. R. Jones. 2,567,516, Sept. 11.
Modulator, Rotary gap. D. F. Winter and C. A. Carlson. 2,567,749, Sept. 11.
Moisture-destructible container. J. A. Hannum and J. N. Epel. 2,567,706, Sept. 11.
Molding zirconia. A. H. Ballard. 2,567,592, Sept. 11.
Motion converting mechanism. A. A. Bamberger. 2,567,795, Sept. 11.
Motor: *See*—
Fluid motor.
Motor control, Skip hoist. G. Fox. 2,567,427, Sept. 11.
Mounting: *See*—
Self-aligning rearview mirror mounting.
Mounting for awnings, Offset gooseneck. E. P. D'Azzo. 2,567,424, Sept. 11.
Mounting for rail vehicles, Axle-box spring. G. Borgeaud and J. Waldvogel. 2,567,469, Sept. 11.
Mounting for spirit levels. C. P. Davey. 2,567,553, Sept. 11.
Mounting for truck cabs, Ventilator wing. B. G. Barnett. 2,567,799, Sept. 11.
Mounting means for bulk ice-cream containers. M. J. West. 2,567,458, Sept. 11.
Muffler with plural expansion chambers, Baffle type. P. A. Lievense and H. T. Phillips. 2,567,568, Sept. 11.
Multiphase generator. R. B. Trousdale. 2,567,410, Sept. 11.
Nail corrector. C. D. Heinold and H. J. Corn. 2,567,601, Sept. 11.
Neckwear accessory. H. E. Lane. 2,567,216, Sept. 11.
Network, Parallel T electrical wave transmission. B. A. Kingsbury. 2,567,380, Sept. 11.
Nitriles and pyridines, Preparing. J. W. Teter. 2,567,254, Sept. 11.
Nonlinear electrical rectifier. C. D. Bock and R. K. Bonell. 2,567,691, Sept. 11.
Nozzle, Fire fighting. E. D. Ballard. 2,567,176, Sept. 11.
Nozzle for the discharge of liquids. T. A. Henshaw. 2,567,642, Sept. 11.
Nozzle, High-pressure. A. J. Brunner. 2,567,693, Sept. 11.
Nozzle, Liquid fuel. C. D. MacCracken. 2,567,818, Sept. 11.
Nut-fulcrumed pivoted jaw wrench. D. F. Hasty. 2,567,432, Sept. 11.
Omega-haloalkyl benshydryl ether and making same. G. Rieveschl, Jr. 2,567,350, Sept. 11.
1,3 dialkyl-6-amino-1,2,3,4-tetrahydro-2,4-pyrimidinediones. V. Papesch and E. F. Schroeder. 2,567,651, Sept. 11.
Opener, Door. C. L. Tuckey. 2,567,684, Sept. 11.
Operating lever, particularly for use with the throttle valves for internal-combustion engines. C. A. Davis. 2,567,555, Sept. 11.
Operator for flag signal. M. J. Yoder. 2,567,459, Sept. 11.
Orienting well tools in well bores. G. E. Brown. 2,567,507, Sept. 11.
Oxygen administration. A. E. McKee. 2,567,225, Sept. 11.
Oxygen administration system. A. E. McKee and J. D. Elsom. 2,567,224, Sept. 11.
Packaging. E. D. Andrews. 2,567,267, Sept. 11.
Packaging, Method and apparatus for. F. M. Deutsch, M. Warsinik, and A. M. Meier. 2,567,598, Sept. 11.
Packing and storage container. S. Vadner. 2,567,832, Sept. 11.
Packing assembly. A. S. Parks. 2,567,527, Sept. 11.
Panel for visible record equipment. M. B. Hall. 2,567,705, Sept. 11.
Pattern for molding ornamental plastic veneer. F. J. Gediminas. 2,567,843, Sept. 11.
Pedal for bicycles or the like. N. M. Rieger. 2,567,785, Sept. 11.
Pedal rest, Accelerator. C. H. Schetzer. 2,567,529, Sept. 11.
Pen, Fountain. H. W. Quaintance. 2,567,618, Sept. 11.
Penicillin salt. H. W. Rhodehamel, Jr. 2,567,679, Sept. 11.
Pepsinogen and pepsin, Preparation of. E. P. Kennedy and M. D. Groesnickle. 2,567,378, Sept. 11.
Perfluorination of hydrocarbons with lead tetrafluoride. E. T. McBee and R. M. Robb. 2,567,569, Sept. 11.
Peristereoscopic printer for multiple image negatives. M. Bonnet. 2,567,633, Sept. 11.
Phenethylamine compounds, Preparation of. W. H. Hartung. 2,567,906, Sept. 11.
Phonograph on-off control. G. F. Braun. 2,567,318, Sept. 11.
Pickup for stringed musical instruments, Magnetic. T. M. McCarty. 2,567,570, Sept. 11.
Pipe cutter. C. E. Warren and E. A. Morris. 2,567,833, Sept. 11.
Pipe handling apparatus for welding. W. Statkus. 2,567,303, Sept. 11.
Piston apparatus with flexible crank coupling, Hot gas. H. de Brey and F. L. Van Weenen. 2,567,637, Sept. 11.
Piston position indicator. F. F. Griffiths. 2,567,430, Sept. 11.
Plane and drawknife, Wood. E. G. Simon. 2,567,739, Sept. 11.
Plastic compositions from copolymers of unsaturated esters of ethereal oxygen-containing acids. K. E. Marple and E. C. Shokal. 2,567,675, Sept. 11.
Plug: *See*—
Wall cleaning plug.
Plumbing fitting, V quarter bend. F. D. Buskirk. 2,567,165, Sept. 11.
Plural intermeshing feed or press screws. F. G. Lesniak. 2,567,219, Sept. 11.
Pneumatic thread collector system for weft replenishing looms. C. P. Bergstrom and B. W. Brouwer. 2,567,540, Sept. 11.
Polarised operator for telephone receivers. J. F. Dalton. 2,567,365, Sept. 11.
Polish rod stuffing box. G. G. Hebard. 2,567,479, Sept. 11.
Polymers of quaternarized acrylamido compounds as anion exchange resins. J. A. Anthes. 2,567,836, Sept. 11.
Polyphase circuit interrupter. A. Van Ryan. 2,567,411, Sept. 11.

Polysilthianes. L. S. Moody. 2,567,724, Sept. 11.
Portable breaker unit with bar-screen separator in the material feed structure. R. D. MacDonald. 2,567,389, Sept. 11.
Portable hand spray pump. G. C. Pittenger. 2,567,496, Sept. 11.
Portable ironing board. C. G. McNulty. 2,567,613, Sept. 11.
Portable liquid container. J. J. Brehany and P. M. Ahlstrand. 2,567,164, Sept. 11.
Post, Universal binding. J. F. Drescher. 2,567,510, Sept. 11.
Power drive for reciprocating saws. R. R. Thomas. 2,567,533, Sept. 11.
Power plant having means for automatically charging the engine with scavenging air. J. E. Johansson. 2,567,486, Sept. 11.
Power plant, Rotary. E. B. Hudson. 2,567,711, Sept. 11.
Powered carrier. A. C. Cleghorn. 2,567,423, Sept. 11.
Pressure monitoring device. R. Livingston. 2,567,519, Sept. 11.
Preventing the accumulation of ice on aircraft surfaces and the like. J. M. Davies. 2,567,804, Sept. 11.
Printing means for selective printing wires. W. Wockenfus. 2,567,308, Sept. 11.
Producing a detergent composition. J. Limburg. 2,567,645, Sept. 11.
Producing a siliceous composition and the composition thereof. A. F. Bidaud. 2,567,316, Sept. 11.
Producing colored photographs. P. Ralbourn. 2,567,401, Sept. 11.
Production of a water repelling composition and the composition thereof. A. F. Bidaud and P. P. Peyrot. 2,567,315, Sept. 11.
Projection lens barrel for Schmidt lens system. V. Trad. 2,567,745, Sept. 11.
Projector for shuffleboards, Mobile disk. W. A. Bailey. 2,567,313, Sept. 11.
Pulse-blocking circuit. H. J. Lipkin. 2,567,851, Sept. 11.
Pulse coding circuit. A. B. Jacobsen. 2,567,846, Sept. 11.
Pulse generator. J. C. R. Licklider. 2,567,850, Sept. 11.
Pulse generator. P. C. Sherertz. 2,567,239, Sept. 11.
Pulse generator. J. P. Spalding. 2,567,247, Sept. 11.
Pump: *See*—
Fuel injection pump. Portable hand spray pump.
Pump. G. A. Devlin. 2,567,699, Sept. 11.
Pumping system, Well. M. W. Haines. 2,567,513, Sept. 11.
Purifying sulfonic acids. W. A. Proell. 2,567,399, Sept. 11.
Purse. G. B. Higgins. 2,567,602, Sept. 11.
Push-button switch. S. Brantingson. 2,567,421, Sept. 11.
Quick return mechanism for bed and cylinder presses. A. W. Ranger. 2,567,578, Sept. 11.
Radiator in central heating installations. K. Janik. 2,567,515, Sept. 11.
Rake with frictional draft dumper, Rear delivery. A. B. Branco. 2,567,800, Sept. 11.
Rapid-wetting bentonite-calcium sulfate backfill for cathodic protection. C. A. Pippin, M. O. Robinson, and W. R. Bennett. 2,567,855, Sept. 11.
Rat trap. F. M. Goodwin. 2,567,599, Sept. 11.
Razor. R. P. Harshberger. 2,567,375, Sept. 11.
Razor, Adjustable safety. F. L. Haushalter. 2,567,811, Sept. 11.
Receiver and bolt mechanism for firearms. J. C. Garand. 2,567,198, Sept. 11.
Receptable attachment for rural mailboxes, Newspaper. R. L. Kelly. 2,567,487, Sept. 11.
Receptacle construction. M. T. Dick. 2,567,166, Sept. 11.
Receptacle for coins, Dispensing. J. A. Goodhue. 2,567,332, Sept. 11.
Reciprocating pusher conveyer. G. A. Lee. 2,567,488, Sept. 11.
Reclaiming fiber-reinforced rubber. R. K. Carr and E. B. Busenburg. 2,567,802, Sept. 11.
Reclining article of furniture. A. Lorens. 2,567,222, Sept. 11.
Reclining lounge chair. R. B. Trouslot, Jr. 2,567,626, Sept. 11.
Recoil check for firearms, Mussle. J. E. Prache. 2,567,826, Sept. 11.
Reconditioning crankshafts and the like. C. J. Allen, Jr. 2,567,685, Sept. 11.
Record sheet holder. H. E. Foster and F. W. H. Lacey. 2,567,279, Sept. 11.
Recording and reproducing tone arm attachment. V. Morales. 2,567,852, Sept. 11.
Recovery of magnesium from siliceous magnesium minerals. K. B. Bengtson. 2,567,419, Sept. 11.
Reel: *See*—
Feed reel.
Reel. J. H. Proctor. 2,567,857, Sept. 11.
Reel for winding telephone cords. E. B. Böttger. 2,567,869, Sept. 11.
Refining of hydrocarbons. L. C. Strang. 2,567,252, Sept. 11.
Refining oil with a solvent. G. B. Arnold and W. E. Skelton. 2,567,172, Sept. 11.
Register, Autographic. H. J. Waechter. 2,567,305, Sept. 11.
Regulating the operation of an open-fire tunnel kiln, Method and apparatus for. P. D. Dressler and C. C. Hopkins. 2,567,556, Sept. 11.
Regulator: *See*—
Furnace temperature regulator. Voltage regulator.
Relay, Time delay. H. M. Stoller. 2,567,827, Sept. 11.
Relaying and indicating means usable with race totalizators. E. T. Both and F. S. Grace. 2,567,470, Sept. 11.
Remote-control system, Electric. E. M. S. McWhirter and H. J. Ward. 2,567,226, Sept. 11.
Removing copper-containing incrustations from steam generators. F. N. Alquist, J. L. Wasco, and C. R. Irons. 2,567,835, Sept. 11.
Resinous products from HF acid-soluble oils. L. C. Morris. 2,567,342, Sept. 11.
Resistance measuring apparatus. K. W. Olson. 2,567,575, Sept. 11.
Retaining ring. J. J. Brell. 2,567,543, Sept. 11.
Rethreading tool. R. Le Bron and W. R. Heck. 2,567,849, Sept. 11.
Ring: *See*—
Retaining ring.
Roller bearing assembly and producing same. S. Smith. 2,567,242, Sept. 11.
Roller cam follower. B. B. Scott. 2,567,735, Sept. 11.
Roller-jack for trucks, Load handling. L. W. Hebert. 2,567,335, Sept. 11.
Rope, Wire. H. W. Riddle. 2,567,300, Sept. 11.
Rotary seal, Adjustable. H. F. Greiner. 2,567,809, Sept. 11.
Rotor, Flexible. F. Rickerich, Jr., and N. J. Edge. 2,567,448, Sept. 11.
Safety valve. J. J. McKeague. 2,567,439, Sept. 11.
Screen for television projection. G. J. Siesen. 2,567,654, Sept. 11.
Screen for television projection. G. J. Siesen. 2,567,655, Sept. 11.
Screw driver. R. L. Bartlett. 2,567,466, Sept. 11.
Screw-thread and nut assembly. W. Hotine. 2,567,483, Sept. 11.
Sealing device, Mine car. R. E. Jones. 2,567,604, Sept. 11.
Sealing strip. J. W. Marsden. 2,567,610, Sept. 11.
Search receiver and radio jamming system, Combined. E. M. Williams. 2,567,261, Sept. 11.
Seat: *See*—
Floating vehicle seat. Heated tractor seat.
Folding pocket seat.
Seat for sportsmen, Heated. A. S. Cyphert. 2,567,323, Sept. 11.
Self-aligning rearview mirror mounting. C. L. Davis. 2,567,324, Sept. 11.
Separation of gaseous mixtures at low temperatures. A. A. Aicher. 2,567,461, Sept. 11.
Servicing mechanism for vehicles. N. M. Lawless. 2,567,672, Sept. 11.
Serving tool. H. L. Kitselman. 2,567,907, Sept. 11.
Servomotor, Pressure fluid operated. F. M. Hogue. 2,567,603, Sept. 11.
Setter and winder, Watch stem. J. H. Ruther. 2,567,580, Sept. 11.
Shade-roller wrench. L. F. Hribar. 2,567,563, Sept. 11.
Shaft construction, Lay. S. K. Hoffman and H. Camines. 2,567,482, Sept. 11.
Shaker with two-piece bottom closure, Combination pepper-and-salt. M. E. Varga. 2,567,455, Sept. 11.
Sheave. W. K. Holleron and W. L. Buckley. 2,567,562, Sept. 11.
Sheet inserter for identifying the contents of shipping containers. R. S. Bye. 2,567,181, Sept. 11.
Sheet material useful for protective garments and the like, Reflex-reflective. P. V. Palmquist, A. F. Schmelsle, and R. S. Bye. 2,567,233, Sept. 11.
Sheet metal lifting tool. W. J. Stachura. 2,567,356, Sept. 11.
Shielding device for wiper mechanisms. W. P. Winters and J. W. Lockwood. 2,567,264, Sept. 11.
Shower bath apparatus, Therapeutic. C. F. Merriam. 2,567,614, Sept. 11.
Shower, Portable. L. R. Bowman. 2,567,506, Sept. 11.
Shuttle detector, Magnetic. R. W. Wolke. 2,567,751, Sept. 11.
Sifter-closure for container selectively attachable thereto in dispensing or nondispensing position. S. F. S. Jones. 2,567,211, Sept. 11.
Signal: *See*—
Fishing signal.
Signal generator. D. Sayre. 2,567,734, Sept. 11.
Signal system, Speed. J. R. Dillon. 2,567,425, Sept. 11.
Slack or cuttings removing device for kerf-cutting machines. L. D. Hagenbook. 2,567,204, Sept. 11.
Slicer, Eccentric potato. B. Stahmer. 2,567,248, Sept. 11.
Socket, Electric lamp. G. B. Benander. 2,567,686, Sept. 11.
Socket, Fluorescent lamp. R. P. Rosen. 2,567,731, Sept. 11.
Soluble, unsaturated, air-drying interpolymers of 2-alkenoxyalkyl esters of alpha-olefinic monocarboxylic acids with selected 2-alkenyl compounds and making same. P. O. Tawney. 2,567,304, Sept. 11.
Sound passage structure, Microphone. G. L. Carrington. 2,567,875, Sept. 11.

Spacer for freight cars, Box-stack. R. P. Barbour. 2,567,465, Sept. 11.
Spindle for die-lapping machines, Toolholding. D. Pastell. 2,567,290, Sept. 11.
Spinner, Steering wheel. J. E. Wood. 2,567,901, Sept. 11.
Spinning apparatus, Metal. W. R. Harrison, W. G. Kilpatrick, H. J. Zimmermann, N. V. Sproul, and L. C. Galleher. 2,567,334, Sept. 11.
Spoon lure, Combination. D. F. Hyland. 2,567,813, Sept. 11.
Spout closure. A. J. Collins. 2,567,183, Sept. 11.
Spout, Liquid cooled smelt discharge. B. H. Miller. 2,567,911, Sept. 11.
Spring: *See*—
Tension regulation coil spring.
Spring adjuster, Vehicle. C. F. Bruhn. 2,567,594, Sept. 11.
Spring construction. G. E. Gagnier. 2,567,330, Sept. 11.
Spring construction. Cutoff cylinder. C. S. Crafts. 2,567,368, Sept. 11.
Spring loaded jaw splice. P. Greco. 2,567,374, Sept. 11.
Spring suspension, Tandem axle. A. F. Hickman. 2,567,481, Sept. 11.
Stabilization of enzyme preparations. L. Wallerstein, J. Pfannmuller, and A. Noe. 2,567,747, Sept. 11.
Stabilized corn and method therefor. P. C. Anderson and J. L. C. Rapp. 2,567,631, Sept. 11.
Stabilized tetrachloroethylene composition. M. J. Skeeters and W. J. Esselstyn. 2,567,621, Sept. 11.
Stabilizing fatty material. J. Ross. 2,567,404, Sept. 11.
Stand: *See*—
Case stand.
Stand and tray, Display. D. H. Bemis. 2,567,593, Sept. 11.
Standardizing cream. P. H. Staaff. 2,567,898, Sept. 11.
Stapling bows to greeting cards. E. H. Marshall. 2,567,645, Sept. 11.
Sterilization and clarification of raw waters. H. R. Hay. 2,567,285, Sept. 11.
Stoker control system. H. G. Manson and R. P. Hansen. 2,567,437, Sept. 11.
Stoker furnace. J. B. Bennett. 2,567,837, Sept. 11.
Straightedge construction. C. P. Davey. 2,567,554, Sept. 11.
Strainer, Liquid. W. N. Hedeman and C. L. Stone. 2,567,378, Sept. 11.
Stranding machine. R. C. Pierce. 2,567,347, Sept. 11.
Structure for vehicles, Load-carrying. F. Fahland. 2,567,324, Sept. 11.
Substituted melanine, Preparation of. D. W. Kaiser. 2,567,847, Sept. 11.
Sucker rod fishing tool. T. M. Hunt. 2,567,337, Sept. 11.
Suction cleaner. G. E. Lofgren. 2,567,221, Sept. 11.
Suds-forming and moisture-supplying means for spindle moistening apparatus. J. D. Rust. 2,567,301, Sept. 11.
Super-heater for furnaces and the like. R. S. Strahan. 2,567,452, Sept. 11.
Support: *See*—
Baby carriage support.
Electric switch box support.
Support for ceramic ware during firing. J. W. A. Lovatt. 2,567,609, Sept. 11.
Support for implements, Tool bar. W. H. Silver and W. V. Lohrman. 2,567,738, Sept. 11.
Support unit for ovens and the like and the method and apparatus for use in the making or assembling the same, Heating element. H. Bussing. 2,567,547, Sept. 11.
Suspension of vinyl chloride polymer in polymerizable liquid. J. A. Loritsch and P. M. Di Cerbo. 2,567,719, Sept. 11.
Switch: *See*—
Push-button switch.
Switch and adjustable mount therefor, Shutter operated flash synchronizing. C. D. Van Bibber. 2,567,627, Sept. 11.
Switch assembly, Manually operable thermostatic. F. R. Bean. 2,567,361, Sept. 11.
Switch contact construction. J. J. Kojis. 2,567,606, Sept. 11.
Switch for electrical musical instruments. R. T. Bozak and S. L. Krauss. 2,567,870, Sept. 11.
Switch with sum and difference frequency receivers, Duplex. N. Fox. 2,567,197, Sept. 11.
Synthesis of hydrocarbons. A. Clark. 2,567,396, Sept. 11.
Synthesis of hydrocarbons with a reduced gamma iron oxide catalyst. W. O. Milligan and J. C. Schiller. 2,567,266, Sept. 11.
Synthesis of vitamin A. N. A. Milas. 2,567,572, Sept. 11.
System and apparatus involving optical scanning. R. J. Wise and G. H. Ridings. 2,567,307, Sept. 11.
Table: *See*—
Collapsible ironing table.
Tail-mounted jet propulsion unit for aircraft. B. Ljungström. 2,567,490, Sept. 11.
Tape, Pressure-sensitive adhesive. E. O. Joesting. 2,567,671, Sept. 11.
Tapping machine. E. B. Elder. 2,567,511, Sept. 11.
Target assembly for telebinocular instruments, Vision. H. S. Alexander. 2,567,502, Sept. 11.
Target, Rifle. P. Fedrowich. 2,567,557, Sept. 11.
Telephone exchange system. G. Deakin. 2,567,190, Sept. 11.
Telephone metering system. H. L. Horwitz. 2,567,209, Sept. 11.
Telephone pad attachment. H. Sherman. 2,567,449, Sept. 11.
Telephone system, Automatic. F. A. Morris. 2,567,650, Sept. 11.
Telephone system, Intercommunication. E. Ivens. 2,567,484, Sept. 11.
Telescopic sight mount. E. E. Willis and M. S. Hewins. 2,567,535, Sept. 11.
Television receiver, Subscription-type. J. E. Brown. 2,567,545, Sept. 11.
Television reporting system J. D. Davis. 2,567,189, Sept. 11.
Television system, Subscriber. N. W. Aram. 2,567,539, Sept. 11.
Temperature responsive system. R. Amsler. 2,567,755, Sept. 11.
Temperature responsive system. R. Amsler. 2,567,756, Sept. 11.
Template for setting timbers for uniform nailing. R. E. Werder. 2,567,586, Sept. 11.
Tension regulation coil spring. W. K. and J. M. McInerney. 2,567,520, Sept. 11.
Tent. F. C., Jr., and J. J. Craighead. 2,567,697, Sept. 11.
Terminal device for absorbing electromagnetic energy. O. E. Kienow. 2,567,379, Sept. 11.
Tester and analyzer, Electric range. A. Ringo. 2,567,859, Sept. 11.
Tester, Drill stem. L. Courter. 2,567,321, Sept. 11.
Testing machine, Thickness. J. Gogan. 2,567,333, Sept. 11.
Tetraethyl thiuram disulfide alcoholism treatment composition. E. Jacobsen and J. Hald. 2,567,814, Sept. 11.
Therapeutic device. H. F. Argento. 2,567,757, Sept. 11.
Thread-cutting apparatus, Rubber. A. Bosshard. 2,567,634, Sept. 11.
Threader, Needle. G. E. Söderberg. 2,567,408, Sept. 11.
Threading machine, Pipe. A. T. Ridgeway. 2,567,784, Sept. 11.
Three phase control system employing saturable reactors. R. E. Morgan. 2,567,725, Sept. 11.
3-phenylphthalidyl-3-acetic acid. A. Burger. 2,567,546, Sept. 11.
Three-side lock snap fastener. H. J. Murphy. 2,567,891, Sept. 11.
Time interval circuit. A. J. Dawe. 2,567,473, Sept. 11.
Toaster, Sandwich. A. S. Knapp. 2,567,382, Sept. 11.
Toggle clamp. F. W. Lampe. 2,567,436, Sept. 11.
Toggle lock. A. W. Gelpcke. 2,567,372, Sept. 11.
Tool: *See*—
Centering tool.
Rethreading tool.
Serving tool.
Sheet metal lifting tool.
Sucker rod fishing tool.
Tool for sharpening agricultural implements. W. A. Bodge. 2,567,868, Sept. 11.
Tourniquet. D. Cohen. 2,567,182, Sept. 11.
Toy, Illuminated whirling. A. A. Gussa. 2,567,600, Sept. 11.
Toy, Pummobile. C. A. and P. R. Swenson. 2,567,453, Sept. 11.
Toy, Wheeled. M. E. Ashworth and P. S. Ciccone. 2,567,462, Sept. 11.
Traffic protection apparatus. A. J. Sorensen. 2,567,897, Sept. 11.
Transformer. K. G. Lagerlof. 2,567,717, Sept. 11.
Transformer and impregnation. A. Van Ryan. 2,567,412, Sept. 11.
Transformer, High-frequency current. R. S. Stanton. 2,567,744, Sept. 11.
Transformer with regulable output current. B. T. Pedersen. 2,567,617, Sept. 11.
Translucent projection screen for viewing from two different directions. G. J. Siezen. 2,567,656, Sept. 11.
Transmitter, Code. C. N. Hickman. 2,567,812, Sept. 11.
Transmitter, Telephone. H. Eckardt. 2,567,368, Sept. 11.
Trap: *See*—
Rat trap.
Treatment of gas and the like. A. S. Lundy. 2,567,776, Sept. 11.
Tree engaging device for tree shaking apparatus. R. E. Burke. 2,567,872, Sept. 11.
Triggered square wave voltage generator. H. F. Stalber. 2,567,742, Sept. 11.
Truck for loading and conveying building materials. M. W. Bird. 2,567,178, Sept. 11.
Truck, Snubbed. R. B. Cottrell. 2,567,551, Sept. 11.
Tube: *See*—
Cathode ray tube.
High-frequency vacuum tube.
Luminous discharge tube.
Tube with means for extruding the tube's contents, Casing supporting collapsible. P. E. Veon and J. K. Ryan. 2,567,629, Sept. 11.
Tuning mechanism for superheterodyne radio receivers of the step-tuned type. L. C. Shapiro. 2,567,860, Sept. 11.
Turbine drive. L. L. Salter. 2,567,581, Sept. 11.
Turbine, Gas. E. A. Stalker. 2,567,249, Sept. 11.
Turntable for fifth wheel trailer couplings. J. N. Apgar. 2,567,312, Sept. 11.
Ultra high frequency coupling device for wave guides. M. D. Fiske. 2,567,701, Sept. 11.

Umbrella latch device. H. Hacken and L. J. Levin. 2,567,284, Sept. 11.
Uniform intensity illumination for viewing boxes. W. W. Hoffmann. 2,567,561, Sept. 11.
Upholstery covering attaching means. W. A. Clark and V. Asaro. 2,567,550, Sept. 11.
Valve: *See*—
Safety valve.
Wine bung screw valve.
Value indication for article dispensing systems. T. S. Skillman and A. D. Lackey. 2,567,241, Sept. 11.
Valve control means. F. A. Miller. 2,567,440, Sept. 11.
Valve facer, Industrial portable. N. Christensen. 2,567,320, Sept. 11.
Valve for giving clutches overlapping engagements, Centrifugally balanced. H. Grandgirard. 2,567,703, Sept. 11.
Valve for pressure gauges, Air. L. O. Greeley. 2,567,428, Sept. 11.
Valve oscillator, Thermionic. C. H. J. Beaven, K. M. Caple, and H. A. Dell. 2,567,269, Sept. 11.
Valve structure, Exhaust. T. E. Mead. 2,567,391, Sept. 11.
Variable condenser. H. R. Foster and E. E. Crump. 2,567,280, Sept. 11.
Vehicle body convertible to ambulance use. F. H. McClintock. 2,567,294, Sept. 11.
Vehicle wheel lubricating apparatus. C. C. S. Le Clair. 2,567,774, Sept. 11.
Venetian blind. A. J. Toti and P. Princevalle. 2,567,256, Sept. 11.
Vertical fluoroscope apparatus. H. Blatz. 2,567,363, Sept. 11.
Vise and angle sine plate. W. C. Keebler. 2,567,517, Sept. 11.
Visor for automobiles. G. J. and R. M. Zeis. 2,567,501, Sept. 11.
Voltage regulator. J. C. Frommer. 2,567,880, Sept. 11.
Vulcanizing rubber and product thereof. W. M. Morgan. 2,567,853, Sept. 11.
Wall cleaning plug. J. E. Hall. 2,567,475, Sept. 11.
Water-in-oil type emulsions. G. B. Heijmer. 2,567,433, Sept. 11.
Water tube steam generator. R. S. Cox. 2,567,695, Sept. 11.
Waterproof fastener. H. G. Morner and E. J. Fredsell. 2,567,298, Sept. 11.
Wave guide mixer. R. V. Pound. 2,567,825, Sept. 11.
Well tubing calipering and recording device. P. E. Chaney and W. E. Barnes. 2,567,548, Sept. 11.
Wheel balancer. L. C. Currier. 2,567,597, Sept. 11.
Winch, Cable. L. W. Nitkey. 2,567,526, Sept. 11.
Winch, Hoist. H. B. Nelson. 2,567,231, Sept. 11.
Window opening gauge. F. A. Hurd. 2,567,771, Sept. 11.
Wine bung screw valve. A. Ferrari. 2,567,426, Sept. 11.
Wing former, Fishing fly. H. L. Thompson. 2,567,623, Sept. 11.
Wire-drawing machine motor control. O. M. Bundy. 2,567,635, Sept. 11.
Wire straightener. R. D. Heller. 2,567,770, Sept. 11.
Wire winding machine and forming coils of wire. E. R. Workman. 2,567,537, Sept. 11.
Withdrawing fluid from containers, Method of and apparatus for. G. H. Zenner and P. M. Riede. 2,567,588, Sept. 11.
Wrapper and counter, Coin. F. E. South. 2,567,531, Sept. 11.
Wrapping machine for sandwiches and the like. O. Sandberg. 2,567,405, Sept. 11.
Wrench: *See*—
Nut-fulcrumed pivoted jaw Shade-roller wrench.
wrench.
Wrench attaching and retaining clip. W. J. Rozmus. 2,567,352, Sept. 11.
Wringer, Mop. M. Heber. 2,567,708, Sept. 11.
X-ray apparatus. A. J. Kizaur. 2,567,566, Sept. 11.
Zirconium and hafnium recovery and purification process. J. A. Ayres. 2,567,661, Sept. 11.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 11, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this data. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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73: 2,567,336	33.65: 2,567,220	69: 2,567,238	617: 2,567,572	47: 2,567,808	311— 99: 2,567,417		
78: 2,567,291	2,567,746	78.3: 2,567,675	623: 2,567,909	104.5: 2,567,481	312— 86: 2,567,311		
241— 91: 2,567,389	36: 2,567,269	80: 2,567,803	624: 2,567,848	281— 44: 2,567,279	100: 2,567,370		
286: 2,567,448	2,567,286	86.1: 2,567,204	638: 2,567,541	282— 6: 2,567,305	114: 2,567,388		
242— 7: 2,567,907	2,567,339	89.7: 2,567,836	652.5: 2,567,621	28: 2,567,435	271: 2,567,536		
55: 2,567,644	2,567,406	105: 2,567,250	653: 2,567,569	285— 49: 2,567,628	313— 38: 2,567,369		
66: 2,567,397	2,567,410	182: 2,567,828	2,567,759	71: 2,567,773	82: 2,567,874		
78: 2,567,537	37: 2,567,850	247.5: 2,567,847	683.4: 2,567,283	105: 2,567,522	92: 2,567,713		
2,567,670	38: 2,567,566	247.7: 2,567,351	711: 2,567,802	108: 2,567,659	2,567,714		
107: 2,567,899	79: 2,567,363	2,567,778	723: 2,567,317	115: 2,567,639	184: 2,567,491		
118: 2,567,857	83.6: 2,567,628	256.4: 2,567,651	782: 2,567,853	193: 2,567,521	231: 2,567,413		
244— 1: 2,567,212	251— 43: 2,567,426	286: 2,567,912	262— 30: 2,567,204	196: 2,567,243	258: 2,567,255		
23: 2,567,392	87: 2,567,428	290: 2,567,254	263— 44: 2,567,911	210: 2,567,165	289: 2,567,893		
74: 2,567,490	118: 2,567,391	296: 2,567,245	264— 14: 2,567,495	286—11.14: 2,567,809	350: 2,567,415		
246— 134: 2,567,834	252— 121: 2,567,645	308.5: 2,567,710	2,567,753	16: 2,567,479	315— 4: 2,567,624		
2,567,857	301.4: 2,567,769	316: 2,567,822	266— 24: 2,567,838	26: 2,567,527	5: 2,567,674		
219: 2,567,807	425: 2,567,468	344.6: 2,567,546	267— 20: 2,567,594	287— 12: 2,567,169	12: 2,567,359		
248— 68: 2,567,483	474: 2,567,296	348: 2,567,237	33: 2,567,469	290— 4: 2,567,636	22: 2,567,861		
71: 2,567,386	2,567,297	348.6: 2,567,842	63: 2,567,168	292— 94: 2,567,306	30: 2,567,377		
353: 2,567,270	253—39.15: 2,567,249	377: 2,567,821	268— 74: 2,567,684	128: 2,567,881	208: 2,567,239		
250— 13: 2,567,197	254— 167: 2,567,231	397.4: 2,567,268	270— 41: 2,567,201	218: 2,567,366	318— 7: 2,567,635		
2,567,261	187: 2,567,526	412.8: 2,567,179	271— 32: 2,567,223	306: 2,567,662	30: 2,567,202		
16: 2,567,239	255— 1.6: 2,567,507	418: 2,567,381	273— 102: 2,567,557	347: 2,567,565	111: 2,567,427		
20: 2,567,208	4.8: 2,567,451	448.2: 2,567,724	105.3: 2,567,170	294— 1: 2,567,356	212: Re.24,410		
2,567,825	256— 10: 2,567,667	449: 2,567,259	129: 2,567,313	33: 2,567,788	321— 18: 2,567,797		
2,567,880	257— 3: 2,567,758	2,567,506	274— 1: 2,567,318	67: 2,567,206	25: 2,567,725		
27: 2,567,194	139: 2,567,515	449.6: 2,567,295	24: 2,567,852	102: 2,567,337	32: 2,567,691		
2,567,214	164: 2,567,452	453: 2,567,615	276— 44: 2,567,669	296— 23: 2,567,516	69: 2,567,383		
2,567,247	256: 2,567,716	456: 2,567,839	279— 6: 2,567,498	28: 2,567,204	322— 28: 2,567,476		
2,567,574	259— 111: 2,567,509	505: 2,567,854	37: 2,567,605	44: 2,567,799	323— 22: 2,567,692		
2,567,742	161: 2,567,729	507: 2,567,796	41: 2,567,471	95: 2,567,501	2,567,880		
2,567,845	260— 2: 2,567,342	513: 2,567,399	102: 2,567,299	299— 97: 2,567,496	43.5: Re.23,409		
2,567,851	21: 2,567,433	520: 2,567,873	280— 5: 2,567,164	120: 2,567,818	332— 9: 2,567,203		
2,567,904	22: 2,567,678	540: 2,567,244	11.32: 2,567,754	141: 2,567,176	2,567,734		
33: 2,567,205	29.1: 2,567,315	564: 2,567,676	11.35: 2,567,772	147: 2,567,642	343— 106: 2,567,193		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 164,[illegible]: D86—10	2,567,300: 57—148	2,567,397: 214—23	2,567,520: 155—181	2,567,682: 74—5.6	2,567,804: 117—72		
2,567,171: 183—37	2,567,309: 220—18	2,567,404: 202—57	2,567,522: 285—105	2,567,683: 222—309	2,567,813: 43—42.41		
2,567,172: 196—14.26	2,567,315: 260—29.1	2,567,406: 250— 3	2,567,540: 15—301	2,567,692: 323—22	2,567,816: 70—456		
2,567,174: 196—36	2,567,333: 33—172	2,567,409: 202—57	2,567,541: 260—638	2,567,696: 122—240	2,567,840: 155—198		
2,567,203: 332—9	2,567,339: 250—36	2,567,412: 29—155.56	2,567,543: 85—8.8	2,567,721: 154—2.5	2,567,847: 260—247.5		
2,567,212: 244—1	2,567,342: 260—2	2,567,413: 312—231	2,567,570: 84—1.15	2,567,723: 117—10	2,567,866: 105—108		
2,567,221: 183—37	2,567,353: 154—2.74	2,567,419: 23—91	2,567,596: 260—449	2,567,730: 219—19	2,567,867: 23—39		
2,567,223: 271—32	2,567,359: 315—12	2,567,426: 251—43	2,567,600: 46—51	2,567,737: 97—47	2,567,869: 242—107		
2,567,229: 315—208	2,567,362: 167—65	2,567,427: 318—111	2,567,604: 105—253	2,567,753: 264—14	2,567,874: 313—82		
2,567,244: 260—540	2,567,363: 250—79	2,567,431: 179—82	2,567,614: 4—155	2,567,770: 153—86	2,567,880: 323—22		
2,567,250: 260—105	2,567,364: 164—67	2,567,458: 222—167	2,567,616: 43—112	2,567,785: 29—176	2,567,893: 313—289		
2,567,255: 313—256	2,567,367: 123—130	2,567,468: 252—425	2,567,624: 315—4	2,567,788: 294—33	2,567,905: 260—30.8		
2,567,275: 18—10	2,567,369: 313—38	2,567,478: 228—1	2,567,642: 299—147	2,567,793: 51—179	2,567,910: 260—30.8		
2,567,277: 2—312	2,567,377: 315—30	2,567,483: 74—441	2,567,651: 260—256.4	2,567,796: 260—507			
2,567,284: 135—39	2,567,381: 260—418	2,567,488: 198—219	2,567,659: 285—106	2,567,797: 321—18			
2,567,289: 101—103	2,567,385: 93—2	2,567,509: 259—111	2,567,675: 260—78.3	2,567,799: 296—44			

CLASSIFICATION OF DESIGNS

D 2— 3: Des. 164,498	D14— 3: Des. 164,524	D33—19: Des. 164,501	D48—23: Des. 164,508	D54—12: Des. 164,534	D61— 1: Des. 164,493
D 3—10: Des. 164,523	6: Des. 164,468	D34— 4: Des. 164,489	31: Des. 164,513	Des. 164,535	D62— 4: Des. 164,511
17: Des. 164,515	D15— 1: Des. 164,487	5: Des. 164,469	D49— 1: Des. 164,486	Des. 164,536	D74— 1: Des. 164,483
D 4— 3: Des. 164,541	Des. 164,490	Des. 164,495	D54— 2: Des. 164,467	Des. 164,537	D79— 2: Des. 164,492
5: Des. 164,499	Des. 164,527	Des. 164,503	Des. 164,484	Des. 164,538	D80— 9: Des. 164,496
D 7— 7: Des. 164,482	D16— 2: Des. 164,481	D44— 1: Des. 164,540	8: Des. 164,494	16: Des. 164,505	D83— 1: Des. 164,542
Des. 164,502	D20— 2: Des. 164,509	21: Des. 164,479	12: Des. 164,470	Des. 164,512	D85— 2: Des. 164,497
Des. 164,517	4: Des. 164,485	D45— 4: Des. 164,472	Des. 164,478	D56— 4: Des. 164,475	D86—10: Des. 164,504
Des. 164,518	D22— 3: Des. 164,473	Des. 164,514	Des. 164,529	D57— 1: Des. 164,539	Des. 164,505
Des. 164,519	D24— 1: Des. 164,471	D47— 7: Des. 164,485	Des. 164,530	D58—6.5: Des. 164,477	Des. 164,526
D13— 1: Des. 164,474	D26—14: Des. 164,491	D48— 4: Des. 164,507	Des. 164,531	10: Des. 164,476	D87— 3: Des. 164,522
Des. 164,525	D33— 8: Des. 164,500	Des. 164,520	Des. 164,532	12.6: Des. 164,516	D91— 2: Des. 164,480
D14— 3: Des. 164,488	14: Des. 164,528	Des. 164,521	Des. 164,533	13: Des. 164,466	4: Des. 164,510

U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business Aug. 24, 1951

Total number of patent applications awaiting action, 110,930. Date of oldest new application, October 2, 1950; date of oldest amended application, October 2, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-16-50	10-2-50	2300
2. HERRMANN, D., Fishing, Trapping, and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-14-50	11-13-50	1405
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	1-4-51	12-21-50	1568
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	10-27-50	10-26-50	1967
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	1-10-51	1-10-51	941
6. SURLE, H., Carbon Chemistry (part)	11-13-50	11-2-50	1810
7. GONSALVES, J. E., Optics; Photography (part)	12-12-50	12-21-50	1270
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	11-13-50	11-7-50	1976
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	11-6-50	11-6-50	1568
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	11-3-50	11-2-50	1242
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	11-13-50	10-23-50	1049
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	11-29-50	11-15-50	1247
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	10-16-50	10-13-50	1308
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	10-10-50	10-6-50	1642
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-13-51	1-10-51	1323
16. LOVEWELL, N. N., Television, Telephony	10-24-50	10-31-50	1391
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	10-25-50	10-25-50	1866
18. KURZ, J. A., Power Plants; Speed Responsive Devices	11-18-50	11-24-50	1322
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	10-10-50	10-12-50	1247
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	10-17-50	10-18-50	1541
21. MADER, R. C., Textiles; Package and Article Carriers	10-11-50	10-10-50	1797
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	10-27-50	10-25-50	1232
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	10-25-50	10-4-50	899
24. DRACAPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	1-5-51	1-2-51	1814
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	11-24-50	11-14-50	1359
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	10-25-50	10-25-50	1196
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	10-16-50	10-14-50	2234
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-7-50	10-5-50	1585
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-1-50	1790
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	12-18-50	12-18-50	1661
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-15-50	11-28-50	2042
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	10-9-50	10-13-50	1405
33. MUSHAKE, W. L., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	11-6-50	11-3-50	2222
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	10-13-50	10-12-50	1211
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-1-50	11-2-50	1669
36. McFADYEN, A. D., Measuring and Testing	10-21-50	10-20-50	1318
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	11-27-50	12-2-50	1289
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-12-50	11-30-50	1333
39. WEIL, I. Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	11-1-50	10-25-50	2537
40. DRUMMOND, E. J., Receptacles (part); Packages	11-1-50	10-17-50	2294
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	10-16-50	10-10-50	1373

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 110,930. Date of oldest new application, October 2, 1950; date of oldest amended application, October 2, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	10-28-50	10-27-50	2056
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-15-51	1-26-51	1030
44. HARVEY, L. P., Beds; Chairs, Seats	10-17-50	10-16-50	1571
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	10-2-50	10-3-50	1715
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	11-18-50	10-31-50	1137
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	11-6-50	11-2-50	1511
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-2-50	11-25-50	995
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	11-7-50	10-30-50	1565
50. LEVIN, S., Synthetic Resins	2-5-51	1-11-51	1452
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	10-21-50	10-19 50	1184
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	10-20-50	10-20-50	3131
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-2-51	12-5-50	1023
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	10-30-50	10-27-50	1759
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	12-6-50	12-26-50	1162
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	12-1-50	12-4-50	1602
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	1-20-51	1-16-51	1080
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	11-9-50	10-20-50	1295
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	11-17-50	11-14-50	1327
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	10-27-50	11-15-50	1300
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	10-6-50	10-4-50	1627
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	10-21-50	10-21-50	1704
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	12-22-50	12-4-50	1634
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	1-12-51	1-12-51	1827
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	11-30-50	11-30-50	1640
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	10-5-50	10-4-50	1280
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-4-50	12-1-50	1475
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	11-8-50	11-10-50	1747
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	10-19-50	10-10-50	1416
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	10-5-50	10-6-50	1735
DESIGNS: A. BREHM, G. L., Industrial Arts	4-10-51	4-11-51	703
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	3-14-51	4-9-51	1447

Total number of trade-mark applications awaiting action (including renewals and republications), 18,598. Date of oldest new application, Dec. 28, 1950; date of oldest amended application, Dec. 29, 1950.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	1-9-51	12-29-50	5697
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	2-19-51	12-28-50	3418
Renewals (All Classes)	6-15-51	7-19-51	821
Republications (All Classes)	7-5-51	7-19-51	297
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	12-28-50	12-26-50	4527
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	1-22-51	1-9-51	3838

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

RONAY *v.* HEDIGER

No. 5762. Decided May 8, 1951

[— F.2d — ; 89 USPQ 590]

1. INTERFERENCE—PRIORITY OF INVENTION—APPLICATION OATH EVIDENCE OF ASSERTED AUTHORITY OF INVENTION.

Although the Board based its conclusions on the premise that the appellant nowhere in the record affirmatively alleged that he was the inventor of the subject matter in issue, *Held* that an applicant's oath is evidence that he asserts authorship of the subject matter claimed as his invention.

2. SAME—SAME—APPLICANT PRESUMED TO BE INVENTOR.

One who files an application for a patent and makes the necessary and regular oath thereto is presumed to be the inventor of the claimed subject matter and entitled to the invention, where there has been no abandonment of the application and where there is no evidence to overcome such presumption.

3. SAME—REDUCTION TO PRACTICE—COMMUNICATION OF SPECIFIC MEANS NECESSARY.

One who claims the benefit of the work of another must show that he communicated to the one who did the work an idea of specific means for accomplishing the desired end.

4. SAME—PRIORITY OF INVENTION—ELECTRODE FOR ARC HEATING.

Since appellee has failed to show by acceptable proof that he communicated to appellant, who did the work, the idea of the specific means to accomplish the desired end, the decision of the Board of Interference Examiners, awarding to appellee priority of invention of certain claims to an electrode for arc heating, is reversed.

APPEAL from Patent Office. Interference No. 82,839.

REVERSED.

Bernard Wohlfert for appellant.

William H. Webb and *Webb, Mackey & Burden* for appellee.

O'CONNELL, *J.*:

The junior party, Ronay, appeals here from the decision of the Board of Interference Examiners of the United States Patent Office, awarding priority to the senior party, Hediger, on the issue of originality, with respect to an invention which relates to a hollow, spray-coated, ceramic electrode for use with arc heating apparatus, especially an electric arc torch designed for underwater cutting on the hull of a ship.

The device, which is not complex, has been sufficiently defined by the counts in issue, 1–9, of which count 6 is illustrative:

6. An electrode for electrical arc heating apparatus comprising an elongated main body of siliconized silicon carbide, said main body having an aperture longitudinally therethrough for the passage of gas, a sheath of appreciable thickness made of metal on said main body covering and tightly embracing the body for at least a substantial portion of its length, the sheath being so positioned as to allow direct electrical contact with the electrical connecting means for the electrode, said sheath constituting a low-resistance path for the current from the electrical connecting means for the electrode to a point substantially at the working end of the electrode where the arc is formed.

The interference involves the Patent No. 2,398,427 issued to The Carborundum Company, April 16, 1946, as assignee of Hediger, on an application filed by him on September 3, 1943; and the application of Ronay, Serial No. 725,177, a welding engineer employed as a supervisor at the United States Naval Engineering Experiment Station at Annapolis, filed January 30, 1947. Ronay's application is subject to his stipulation that when and if a patent is granted, the United States Government will have exclusive use of the device and no royalties thereon will be collected by Ronay.

There is no dispute that Ronay must prove his case beyond a reasonable doubt. Both parties took testimony, filed briefs, and were represented at final hearing. All of the witnesses were cross-examined by opposing counsel.

The record discloses that in the early part of 1942 Ronay, to meet a serious war emergency, was endeavoring as chief of the welding laboratory of the Naval Station to develop an arc-oxygen cutting device of the character hereinbefore described for cutting plates of steel under water; that he tried hollow metallic electrodes at first but, due to the excessive heat necessary to burn a large mass of metal under water, such as the hull of a ship, the metal electrodes were consumed too rapidly.

The record further discloses that Ronay then conceived the idea of using a nonmetallic electrode material of high melting point and reasonably high electrical conductivity, which material would not be subject to as rapid oxidation as any metallic alloy, and which would consist of a ceramic, such as Globar, identified as a silicon carbide product, manufactured by the Carborundum Company, and known to Ronay, who had previously used Globar in other operations having a similar purpose.

Vol. 650 • No. 2 Tuesday, September 11, 1951 Price $33.00 per year

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The operation of the device defined by the counts was described succinctly by the Board as follows:

In using a cutting torch of the present type an electrical connection is made to the metal sheath of the electrode defined in the counts by means of a holder and a source of oxygen supply is attached to the central bore of the electrode. An electrical connection is also made to the metal which it is desired to cut. After an arc is struck between the electrode and the metal, such as a hull of a ship, oxygen is fed to the arc causing considerable heat to be generated. The metal is thus oxidized at the point of heating or blown out of the cut as molten metal.

* * *

The gist of the development in issue here had its inception about March 3, 1942, on which date Ronay prepared a sketch, Ronay Exhibit 1, signed by Cyril D. Jensen, Ronay's working foreman in the Naval Welding Laboratory, and now professor of civil engineering, Lehigh University, as witness. With respect to Ronay's sketch hereinbefore described, Jensen testified in response to questions propounded by Mr. Wohlfert, of counsel for appellant:

Q. 13. Now, referring to the sketch, can you explain what your understanding of the construction was at the time this sketch was shown to you by Mr. Ronay?

A. He conceived a pistol-like torch, thinking of the convenience of the diver, that had a ceramic tip and had connections for introducing both electricity and oxygen, the oxygen to go through a tube in the electrode. As conceived, an arc would be maintained under water and a jet of oxygen would impinge against the metal, probably steel, and the result would be a cut somewhat simulating the oxyacetylene method of cutting in air, except that the electricity forms the heating element instead of the oxyacetylene flame.

Q. 14. I note on the sketch what appears to be screw thread sections or members. Could you explain what those are and what their purpose is?

A. The ceramic electrode that he conceived has the ability to carry electricity, but not too well, and he wanted the brass casing—I think it is brass that he had in mind—to cover down near the tip of the electrode, so that the electricity would have a minimum of distance to travel through the electrode. Also, the casing served to secure the electrode and, presumably, to strengthen it.

Q. 15. Could you explain why the casing was made in sections?

A. As the electrode was consumed, the sections could be taken off one by one, thus maintaining a short distance between the casing and the tip.

Q. 16. The electrode, I gather, is the cross-hatched elongated member positioned within the sectionalized casing?

A. That is correct.

Q. 17. Would you repeat what the understanding was concerning the nature of the electrode, what material was intended to be used?

A. He was acquainted with the ceramic, with the D–2 Globar, because he had used it on some other experimental work. He was acquainted, therefore, with the refractory properties of it which would cause it to be consumed at a very low rate, and he was also acquainted with the electricity carrying properties of it. I should say electrical conduction, would be a more graceful term.

Q. 18. Were any steps taken to obtain electrodes of this type and to test the operation of them?

A. Yes. * * *.

Accordingly, on March 5, 1942, the following letter was dispatched by Ronay through the Naval Station to the Carborundum Company:

Subject: Nonmetallic Electrode Element—
Request for Information on

GLOBAR DIVISION,
The Carborundum Company,
Niagara Falls, N. Y.

GENTLEMEN:

The Station is developing an electrical device of an emergency nature which requires a nonmetallic electrode in the form of a tube whose length may vary from 6" to 14", its diameter from ½" to 1" and the bore from 0.25" to 0.375" in diameter. The electrode should have approximately the same electrical and physical properties as those of the grip ends of Globar elements.

Information is requested whether you have any standard product which may fulfill the above given requirements and if not, your cooperation is sought to fabricate samples as soon as practicable.

It is suggested that in order to become familiar with the problem on hand you authorize your technical representative located most conveniently to Annapolis to call at the Station at his earliest convenience to confer with the personnel of the Welding Laboratory to whom the task has been assigned.

Yours very truly,

C. C. ROSS,
Captain, USN (Ret.), Acting.

In response to the foregoing invitation, Regional Engineer Barba of the Carborundum Company came to the station March 17, 1942. Afterwards the company shipped to the station sample rods or electrodes made of Globar, perhaps a score or so, which after being tested there were regarded as too large. Accordingly, on May 28, 1942, Ronay requested additional samples of Globar of a different size:

Subject: Silicon-Carbide Tubes for Underwater Cutting.
KES Test B–7033

GLOBAR DIVISION,
The Carborundum Company,
3111 West Allegheny Ave., Philadelphia, Pa.
Attention: Mr. C. E. Barba

GENTLEMEN:

The silicon-carbide tubes furnished by you have shown some promise as electrode material for under-water cutting of steel when used with an oxygen stream. However, the results obtained indicate that better performance should be expected from tubes of ⅛" diameter by 6" long and containing a ¼" bore.

It is requested, therefore, that the Station be informed of the feasibility of furnishing six silicon-carbide tubes of the above given dimensions, stating the unit price and the approximate delivery date of same.

If you find it desirable, it is suggested that your representative call at the Station at your early convenience to consult with the Station personnel before providing the above given new size tubes.

Yours very truly,

C. C. ROSS,
Captain, USN (Ret.), By direction.

The foregoing letter established that the original shipment of Globar rods, when subjected to tests in the Naval Laboratory, showed promise, but that better performance was expected from the smaller rods therein ordered. The letter disclosed for the first time also the use to which the rods were to be put.

Thereafter Barba, on June 9, 1942, delivered the smaller rods, but when tested the breakage continued to be at too high a rate, due to the arcing between the sleeve and rod, which caused the exposed end of the rod to crack off. Ronay reported progress but again appealed for further suggestions in the following letter of July 8, 1942:

Subject: Silicon-Carbide Tubes for Under-Water
Cutting of Steel—E. E. S. Test B–7033

THE CARBORUNDUM COMPANY
Globar Division,
3111 West Allegheny Avenue, Philadelphia, Pa.
Attention: Mr. C. E. Barba

GENTLEMEN:

The ½" diameter silicon-carbide, ⅛" bore electrodes which you furnished for experimental purposes in connection with oxy-arc under-water cutting show a promise of usability. During cutting, while the arc is sustained and oxygen flows through the tube it performs in an acceptable manner. However, upon breaking the arc and shutting off the oxygen flow, the tip of the electrode, which is incandescent during arcing is left exposed to the quenching action of water. Apparently, then it shatters and when it is attempted to restart the arc by tapping against the steel target it breaks off.

In order to render the subject material useful for the purpose intended, the above given behavior must be remedied.

Further experiments are contemplated with one electrode which will be sheathed with a nonmetallic insulating sleeve intended to prevent the drastic quench following the extinguishing of the arc. Another experiment will use an unprotected electrode which will be heat treated by stress relieving or annealing in the belief that the present behavior of the material is the effect, at least partly, of the presence of locked in stresses which become superposed on those which develop on quenching.

Your comments are requested in regard to the above-given procedures, particularly concerning the optimum heat treatment for removal of the locked in stresses in the event that you concur in regard to the existence thereof.

Yours very truly,

C. C. ROSS,
Captain, USN (Ret.), By direction.

The idea of annealing the rods for the purpose of imparting additional strength and sufficient hardness to them was, among other things, thus introduced by Ronay. With respect to that and the other further experiments contemplated and performed by Ronay, the Board properly held:

These heat treated, or annealed, rods were tested on August 12, 1942. Some of these rods were coated at the Station with insulation and some partially encased in different kinds of conductors. Ronay instructed Jensen [his assistant and foreman] on August 29, 1942, to order the shop to produce some Globar rods spray-coated with phosphor bronze. Tests on these rods, some of which were coated their entire length and others only portions of their length, were run on September 5, 1942. Ronay was so impressed with the results of these tests that he filed an application [for a patent] shortly thereafter. Under these circumstances we are of the opinion that the tests of September 5, 1942, were sufficient to prove an actual reduction to practice of all the counts in issue.

Spray-coating, a service for which the Naval Station had been equipped and had rendered, is a process for metal plating a substance whereby molten metal is coated or painted thereon by spraying under air pressure. The metallic covering thus applied increases the electrical conductivity and imparts mechanical strength to the frangible carbide.

The Carborundum Company also had such a spray-coating service, and the crux of the case resides in the point as to which of the parties to the interference added that final touch of spray-coating to make the electrode completely effective.

The documentary proof submitted with reference to the spray-coating by Ronay is set forth not only in the handwritten tabulated notes of September 5, 1942, in the diary of Jensen, but also in the subsequent letter from Ronay, through the Naval Station, to the Carborundum Company, dated September 10, 1942, Ronay Exhibit 2, in which Ronay inclosed a drawing fully disclosing the subject matter of all the counts in issue.

The idea of spraying Globar rods with metal, and the originator thereof, was discussed in the record by Jensen, among other things, as follows, italics being here supplied:

By Mr. Harlan [counsel for the Carborundum Company and for the party Hediger.]

* * * * * * *

X Q. 13. Now, you state that Mr. Ronay disclosed to you the idea of spraying globar rods with metal, and you connect that in your mind with the instructions which you gave for spraying rods with metal as shown by Ronay's Exhibit 13, which I just showed to you. Did Mr. Ronay specifically tell you to spray two rods with a phosphor bronze coating and one rod with copper, one rod with aluminum, and two rods with nickel?

A. Yes, that is correct. It would have normally taken place in conference where we jointly agree on it, but actually it came as instructions from Mr. Ronay.

X Q. 14. You say it would normally have taken place in conference. Do you mean by that that this was an abnormal occurrence?

A. No. We would sit down together and he disclosed the possibility of spraying. Then we sat down together and figured out our procedure for attacking it.

X Q. 15. That would, as I understand you, be the normal way of doing it. But you have implied that there was something abnormal about this specific occurrence. What was abnormal about that?

A. I am sorry. I don't recall anything abnormal about it. It was our standard procedure to do that. And I have every reason to believe that this followed the pattern.

X Q. 16. Well, then, you do not remember specifically the conditions under which you received the idea from Mr. Ronay?

A. I am sorry—there was something abnormal. I use "abnormal" meaning below normal. That is my mistake. *I knew nothing about spray coating and therefore this was an unusual suggestion. We had been fighting with the problem of trying to reinforce the globar electrodes. We had tried fiber sleeves and brass sleeves, and this idea of spraying just couldn't come to me because I knew nothing about it. And then when the suggestion was made, it rather stuck in my mind.*

X Q. 17. Well, how was the suggestion made? Did Mr. Ronay come up to your desk and tell you or was it made in a conference?

A. No, it was made at his desk.

X Q. 18. Just casually while you happened to be there or did he call you over?

A. *He called me into his office and we were discussing our problems, and he said, "Let's try spray coating."*

X Q. 19. *Now, was this on August 29 that this took place?*

A. *I would practically guarantee that it would be August 29. It could conceivably have been the day before, but I wasn't one to waste time. If I had a good idea, I usually proceeded right away and scheduled the work.*

On September 25, 1942, a year prior to the filing date of the Hediger application, Ronay requested the Judge Advocate General of the Navy to apply for a patent covering the subject matter of the counts in the name of appellant as the inventor thereof. The application was subsequently filed and appellant made the oath therein that he was the inventor.

The filing of Ronay's application was delayed until approximately nine months after the patent involved in the interference had been issued as hereinbefore described, the application having been placed in the Navy files in the belief that the invention was not patentable over the disclosure of certain prior art.

It is conceded that the subject matter of the counts was reduced to actual practice by Ronay almost a year prior to the filing date of the application on which the patent to Hediger was granted. It must be further conceded that the evidence presented on behalf of Ronay, oral and documentary, constitutes beyond any reasonable doubt a prima facie case of Ronay's prior conception and disclosure to Hediger, or his assignee, of the invention defined by the counts.[1]

Hediger has rested his case on the basis that all of the tests and further work embodying the subject matter of the counts done by Ronay and Jensen on and after August 29, 1942, inure to the benefit of Hediger on the ground that Ronay derived the invention from Hediger through Barba, by Hediger's furnishing to Barba, on or about July 17, 1942, six spray-coated Globar rods to be tested, and which were so tested, by Ronay at the Naval Station prior to August 29, 1942.

The record shows that in response to the letter of July 8 from Ronay, hereinbefore quoted, Barba had visited the station on July 13, and then had a talk with Jensen and perhaps with Ronay also, with respect to the subject matter of Ronay's letter and the difficulties reported therein. The discussion centered about the hope of being able to stiffen or strengthen the electrode beyond the point where the electrode extended out of the electrode holder. On direct examination by Mr. Webb, Mr. Barba testified:

169. D. Q. Now what did you do after this visit to the Experiment Station in July of 1942?

A. I think I went to places elsewhere for a couple days and then came to Niagara Falls. I was there on the 13th of July at the Experimental Station, and on the 15th and 16th I was in New York, and on the 17th I left New York for Niagara Falls where I stayed four or five days.

[1] *Gram* v. *Warner*, 28 CCPA (Patents) 810, 116 F.2d 502, 48 USPQ 128, 527 O. G. 5; *Foster* v. *Antisdel*, 14 App. D. C. 552.

170. D. Q. Did you talk to Mr. Hediger at any time on this visit?
A. Yes, I did, Mr. Hediger and Mr. Courter.
171. D. Q. Who is Mr. Courter?
A. Well, Mr. Courter is the Sales Manager for the Globar Division.
* * * * * * *
177. D. Q. What was said by you at that meeting?
A. Well I explained the vital importance of trying to assist Mr. Ronay in getting electrodes that would function properly and I described the troubles we had been having at the Station with these electrodes and described the breakage and the apparent type of breakage we were getting down there and I asked for a solution.
178. D. Q. What did Mr. Hediger or Mr. Courter have to say about the matter?
A. Well Mr. Hediger expressed the thought we were getting too much localized current on the electrode at the point where the electrode left the holder and was exposed, and suggested that we coat the whole electrode the entire length with metal to carry the current throughout the length of the electrode.
179. D. Q. Was anything done by Mr. Hediger at all about the date of that meeting in order to prepare rods embodying the suggestion which he had made?
A. Yes.
180. D. Q. What was done?
A. He took some rods we had left from a previous run and had them spray-coated with metal. I do not recall the thickness of the spray, but coated them throughout the entire length.
181. D. Q. Approximately how many rods were spray-coated at that time?
A. I think perhaps six. I do not recall exactly.
182. D. Q. What was the metal that was used?
A. I think we used two or three metals. Copper, monel and brass.
183. D. Q. Now these rods that were spray-coated were the so-called D–2 rods, were they?
A. Yes.
* * * * * * *
190. D. Q. What was done with these rods that were sprayed on July 17, 1942?
A. My recollection is that when I finally got back to the Philadelphia office I had the warehouse pack them and ship them to the Experiment Station.
191. D. Q. You took the rods with you to Philadelphia?
A. I took some of them with me.
192. D. Q. Who had those rods coated in July of 1942, did you do the coating or issue the instructions for the coating or was that Mr. Hediger?
A. Mr. Hediger.
193. D. Q. Do you know who actually carried out the coating of the rods or the man under whose direction and supervision the coating was carried out?
A. Mr. Pfaffenbach.
194. D. Q. Now what did you do with the rods or electrodes that you took back to Philadelphia?
A. I had the Philadelphia warehouse pack them and ship them down.
195. D. Q. Ship them down to where?
A. The Experiment Station.
196. D. Q. And to whose attention were they addressed?
A. I think to Mr. Ronay's attention.
* * * * * * *
204. D. Q. Did you follow up those electrodes?
A. Yes.
205. D. Q. What did you do?
A. I was down to the Station on the 29th of August and I stopped in to see Mr. Ronay to follow through on the performance on these new rods.
206. D. Q. Who did you see at that time?
A. My records show I saw Mr. Ronay and Mr. Jensen.
207. D. Q. Your diary, referring to August 29, 1942, shows it, does it?
A. Yes, that was on a Saturday.
208. D. Q. All right, did you ask Mr. Ronay or Mr. Jensen, or both of them, whether they had received the rods and what was done with them?
A. Yes, I did.
209. D. Q. Well tell us as best you can recall what was stated by you and what was stated by either Ronay or Jensen or both of them at that meeting?
A. I probably asked Mr. Ronay how these rods performed, the new rods, and he said very much better than anything they had had, and that the coating which we had applied seemed to solve, at least, the major problem of the breakage, and expressed some surprise that he hadn't thought of it first.
* * * * * * *
216. D. Q. I show you a letter dated September 10, 1942 and which appears as part of Ronay's Exhibit 2, and ask you whether or not you received that letter?
A. Yes, I did.
217. D. Q. And I also call your attention to Ronay's Exhibit 20, and ask you whether or not that is the sketch which was enclosed with the September 10, 1942 letter?
A. Yes, I did.
218. D. Q. And in this letter the Experimental Station was asking for the price and delivery date for certain materials that are specified in the letter?
A. Yes.
219. D. Q. And what did you do about the matter?
A. I referred that to Niagara Falls because we, in our section, were not authorized to quote prices.
220. D. Q. And what was done in regard to the inquiry?
A. I don't recall that we furnished any of the sprayed materials. We may have supplied them straight through, but I don't think we furnished that type of spray.
221. D. Q. By "That type of spray" you refer to the type shown in Figure 2 of Exhibit 20?
A. Yes.
222. D. Q. Now by this letter of September 10, 1942, do I understand that they were asking for prices on annealed but uncoated electrodes and also spray-coated electrodes?
A. Yes.
223. D. Q. What sort of spray-coating did you understand was being asked for?
A. According to specifications it calls for bronze, which I do not know whether we were in a position to furnish at that time or not.

The testimony given by Barba was supported in detail by the testimony of Hediger, Pfaffenbach, and Courter, all four of whom were still in the employ of the Carborundum Company at the time of their depositions. The testimony of Ronay and Jensen was supported by the testimony of John H. Eastman and Marcel Weideman, employees of the Naval Station Welding Laboratory, who operated the tests with the electrode in the underwater cutting and who participated in making the records thereof.

The testimony given in behalf of Ronay and his witnesses is completely documented by official correspondence and records from the files of the Navy Department, including the diary kept by Jensen in the regular course of business at the welding laboratory. Ronay's story was told by him and his witnesses after the refreshment of their recollection from their current documentary evidence. Hediger likewise relied on some of the official correspondence introduced by Ronay, and certain excerpts from Barba's diary, but otherwise offered no contemporaneous records to support or substantiate the testimony of himself and witnesses given by them from memory after a lapse of six years.

The Board of Interference Examiners held that Hediger conceived the invention of the counts on July 22, 1942, and subsequently imparted it to Ronay, on the basis that while "The testimony in behalf of Hediger is insufficient to establish the date of the conference of Barba, Hediger and Courter, and thus the date of the conception of the invention by Hediger," nevertheless there were other circumstances from which it may be assumed that the conference was so held and its result carried out as hereinbefore described by Barba because, as the Board further held, "Ronay did not testify that he was the originator of the spray-coating idea. He must have seen or been informed in some manner that spray-coated rods would be satisfactory for his purpose to give a basis for his ordering the spraying department [of the Naval Station] to spray-coat some rods on August 29, 1942."

[1] Excerpts from the decision of the Board establish that it based its primary conclusion on the premise that Ronay nowhere in the record affirmatively alleged "that he was the inventor of the subject matter here in issue." Whether a third party is in fact the inventor of the subject matter of the counts of an interference is not a proper question to raise in such an interference.[2] Even so, the record discloses that Ronay testifying under oath explained how and when he came to make the invention, and was cross-examined on that point by counsel for Hediger; that Ronay filed the patent application here involved and made the oath therein that he was the inventor of the claimed subject matter.

An applicant's oath is evidence that he asserts authorship of the subject matter claimed as his invention.[3] Nowhere in the record is there any evidence whatever which tends to establish that Ronay did not fully comprehend the nature of his responsibility in making the oath or that he did not fully meet his obligation within the letter and spirit of the law. That he had no motive to do otherwise, is evident from his stipulation to contribute the invention to the Government without reservation of royalties thereon to himself.

[2] Finally, it may be noted, that one who files an application for a patent and makes the necessary and regular oath thereto, as was done by Ronay in the instant case, is presumed to be the inventor of the claimed subject matter and entitled to the invention where there has been no abandonment of the application and where there is no evidence to overcome such presumption.[4] Ronay has continued to assert his authorship of the invention of the counts:

Q. 54. After you submitted your request for a patent application, did you ever abandon the idea or abandon your efforts to obtain a patent application?
A. No, sir. I have furnished additional information to the Judge Advocate's Office—the Office of the Judge Advocate General.

[3] The Board of Interference Examiners in its decision correctly held that in an interference proceeding, "one who claims the benefit of the work of another must show that he communicated to the one who did the work an idea of specific means for accomplishing the desired end," citing *McKeen* v. *Jerdone*, 34 App. D. C. 163.

Ronay and his aides in the welding laboratory at the Naval Station labored with eager perseverance for more than six months to complete the development of the electrode here in issue. During that time they persistently called upon the Carborundum Company and its officials, by correspondence, telephone, and by personal contact, for some suggestion for accomplishing the desired end of which the company and its officials had been fully advised.

However, as correctly pointed out in the brief of counsel for Ronay, there is no competent evidence that the Carborundum Company, as interested and promptly cooperative as they allegedly were in the success of Ronay's assignment, made any suggestions whatever throughout the long course of the research conducted by Ronay.

Based upon a series of various assumptions, the Board assumed and held, in effect, if not directly, that the spray-coated rods which completed the invention were shipped in fact by Barba and received by Ronay in July of 1942, and were thereafter successfully tested under his supervision at the Naval Station prior to August 29, 1942, which fact on that date was personally acknowledged by Ronay to Barba; or if the rods were not so shipped, tested and acknowledged, as hereinbefore described, then Barba on the occasion of his visit on August 29, 1942, as the Board again assumed and held "if Ronay had not received the rods or had not heard of spray-coating rods it would only be a human trait for Barba to explain the method to him."

No record of the alleged shipment of the spray-coated rods was produced in evidence. On that point, on cross-examination, Barba testified:

285. X Q. Now you stated that you shipped the rods from Philadelphia. Do you have any record of that shipping?
A. I doubt it very much. That was shipped from the Philadelphia office. That was 1942. I doubt that those records exist.
286. X Q. I believe you had said previously that you had the rods packed for shipping to you in Philadelphia?
A. No. I took them down with me to our Philadelphia warehouse where our office was located and had the warehouse man pack them for shipment down to Annapolis out of the Philadelphia warehouse, and I don't recall how many rods there were.

The undisputed testimony of Jensen and Ronay established that during the time in question, which was during the war, all shipments of materials came through the receiving department of the Naval Station, and a record was made of each; that no record of the alleged shipment could be found after a special search by Ronay; and that the records of the shipping department were still available. On the point in issue, both Ronay and Jensen flatly denied any knowledge of the receipt of such rods, or knowledge of the disclosure of the invention which was alleged to have been conveyed to them by such rods or by Barba in person.

Jensen, whose diary covered the period and tests now in question, testified, among other things, on direct examination:

By Mr. Wohlfert:
Q. 4. Do you recall having received or tested the rods referred to by Mr. Barba?
A. No. I have no recollection whatsoever, and I don't see any entries in here to that effect, to the effect that any were received. That would be quite an event, and I am sure I would have noted it.
Q. 5. Do you recall having discussed the matter with Mr. Barba upon the occasion of his visit, that is, discussed the success of the rods allegedly furnished by The Carborundum Company?
A. Not until the date September 5. At that time we made our first note here that the globar spray coating was promising, and it was in late August then that we sent in our orders for spraying. I have no knowledge of spray coating prior to that date.

Jensen testified that he "tried religiously to record the important events" throughout the entire course of the development in issue and it is apparent that he succeeded to an eminent degree. The following excerpt from the record on the examination of Jensen by Mr. Wohlfert is deemed pertinent:

Q. 94. Referring back to Exhibit 4, which was your notes concerning the visit of Mr. Barba on July 13, 1942, you stated that item 3, being the Globar with the brass sleeve, was one of the items that was discussed with Mr. Barba at that meeting. Do you recall at any of the conferences with Mr. Barba or any other representative of the Carborundum Company that he or they had ever mentioned that any employees of the Carborundum Company

[2] *Mabon* v. *John Q. Sherman, etc.*, 34 CCPA (Patents) 991, 161 F.2d 255, 73 USPQ 378, 603 O. G. 14; *Rara* v. *Charlton*, 26 CCPA (Patents) 1398, 104 F.2d 798, 42 USPQ 150, 509 O. G. 3; *Wintroath* v. *Chapman*, 47 App. D. C. 428, 432.
[3] *Kremer* v. *Harsel*, 53 App. D. C. 61. And see *Precision Co.* v. *Automotive Co.*, 324 U. S. 806, 815, 816, 576 O. G. 369.
[4] *Kremer* v. *Harsel*, 53 App. D. C. 61.

had independently invented and developed a metal coated Globar electrode for underwater cutting purposes?

A. No, I heard no such statements.

Q. 95. Had Mr. Barba or any other member of the Carborundum organization ever disclosed to you or to Mr. Ronay, to your knowledge, the idea of coating electrodes with metal?

A. No

Q. 96. So far as you know personally, this invention originated at the Naval Engineering Laboratory?

A. It did.

* * * * * * *

R. D. Q. 97. Who had supervision over the performance or conduct of tests you made, Professor?

A. I had the immediate supervision and kept in very close touch with the work even though I was not actually the notekeeper at the time of the test. I was not always present when all of the tests were run but I kept very close watch over them.

R. D. Q. 98. With reference to the diary, are we to conclude that because some of the entries are rather brief that they may therefore not be accurate?

A. No, it would not be correct to conclude that. As I mentioned before, the notes were terse and were basically for myself. However, I never made an entry unless there was real meaning behind the entry.

The testimony of both Jensen and Ronay was subjected to the most critical cross-examination but has stood up throughout. The following excerpt from the record relative to Ronay's cross-examination by Mr. Harlan is deemed pertinent:

X Q. 42. [Repeating a question.] I will try to simplify it. Since you had no personal contemporaneous record of events, your information must be derived from what is in the record here, with perhaps some material that is not in the record, of the official test results and Mr. Jensen's diary, is that correct?

A. Not quite. There is an additional source of information, and that is the test records.

X Q. 43. Well, we have a great many of the test reports in the record already. The fact that Mr. Jensen's diary does not record the receipt of these rods, since you have no independent means of refreshing your recollection on that point, it may possibly have been that those rods were received and that it escaped your memory?

A. No, sir. There would have been another source of information. If the rods would have been received, we certainly would have tested them. I found no evidence of ever having tested any material at that time that was sprayed at and by Carborundum.

X Q. 44. And you are prepared to state unequivocally that your test records are absolutely complete?

A. As far as practicable, yes.

There is definitely no basis in the record for the assumption that Jensen omitted from his diary some things that amounted to a whole development, such as the testing of spray-coated electrodes, had that taken place, at the Naval Station prior to August 29, 1942. That matter has been covered fully by the testimony of Jensen hereinbefore set forth.

It is always possible, of course, to take a few words here and there from the context of the report of a major occupation and from the excerpts thus isolated arrive at a conclusion totally at variance with the weight of the evidence as a whole. That is particularly true in the case at bar.

There is merit, however, in the contention or suggestion of counsel for Ronay, that Barba was frequently in and out of the plant of the Carborundum Company at Niagara Falls over an extended period; that whenever he went there the superintendent of the assembly line, Pfaffenbach, was "stuck with something to do"; that the work of spray-coating of rods of Globar continued there even up to the date of the taking of testimony; that the visit of Barba to the Naval Station on August 29, 1942, doubtless related to the annealed rods, ordered in Ronay's letter of July 13, and which were shipped by Carborundum and tested at Annapolis in the earlier part of August of 1942; and that the spray-coating of the rods relied on by Hediger and his witness might have reasonably related to the activities of late September and the latter part of 1942 or of 1943, when the two institutions here concerned were negotiating for a supply of the rods for the use of the Naval Station and an effort was being made by them to bring the price down.

In any event, Hediger has failed to show by any degree of acceptable proof that he communicated to Ronay, the man who did the work, and who had first-hand knowledge concerning the involved problems and the behavior of the Globar rods, the idea of the specific means for accomplishing the desired end. Accordingly, upon all the facts appearing, we are of the opinion that derivation of the complete invention from Ronay by Hediger admits of no reasonable doubt.

The decision of the Board of Interference Examiners, for the reasons hereinbefore stated, is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE CRAIGE, JR.

No. 5788. Decided May 8, 1951

[189 F.2d 620; 89 USPQ 609]

1. CLAIMS—CONSTRUCTION OF CLAIMS—GIVEN BROADEST INTERPRETATION.

It has been uniformly held that claims in a pending application will be given the broadest interpretation of which they are reasonably susceptible.

2. PATENTABILITY — COMPOSITION OF MATTER — IN RE THUAU, 30 CCPA 979, 554 O. G. 14 CONSTRUED.

The so-called Thuau doctrine was not a new principle laid down in that case, but was a restatement of the well-established rule that a patent for a new use for old substance quite unchanged is not authorized by the patent laws.

3. SAME—SAME—THUAU DOCTRINE MAY APPLY WHERE PREAMBLE DOES NOT LIMIT CLAIM.

Held that where an introductory phrase describing a use does not patentably limit the old composition which it introduces, the phrase constitutes no limitation on the subject matter of the claim and the *In re Thuau* doctrine may apply.

4. SAME—SAME—THUAU DOCTRINE NOT AVOIDED BY NON-INVENTIVE LIMITATION.

While it is true that in certain cases invention might be present in a very slight alteration and the Thuau doctrine avoided, such alteration must always amount to more than mechanical or professional skill.

5. SAME—PROCESS—SUBSTITUTION OF ANALOGOUS MATERIAL IN OLD PROCESS NOT INVENTION.

Rule restated that the substitution of a new and analogous material in a process consisting of steps which are old does not render the process patentable where the improved result is due solely to the quality of the material used.

6. SAME—PARTICULAR SUBJECT MATTER—ANTHELMINTIC COMPOSITION AND METHOD OF USE.

Certain claims to an anthelmintic composition *Held* properly rejected as being directed to compositions old in the art and a certain claim to a method of using such compositions *Held* properly rejected as differing from the prior art only in the use of an analogous material.

APPEAL from Patent Office. Serial No. 592,729.

AFFIRMED.

John W. Lee for appellant.

E. L. Reynolds for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 8, 9, 10, and 13 to 18 inclusive, in appellant's application, Serial No. 592,729, for patent on alleged new and useful improvements in "Anthelmintic Compositions." No claim was allowed.

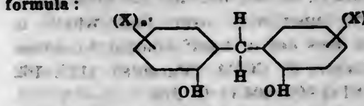
Claims 9, 10, 14, and 17 were rejected as being drawn to non-elected species and, therefore, need not be considered here on their merits. *In re Vincent*, 34 CCPA (Patents) 936, 159 F.2d 877, 73 USPQ 57, 600 O. G. 332.

The application relates to a new class of anthelmintic compositions for veterinary use, appellant having discovered that when a particular group of substances were brought into contact with tapeworms in the alimentary tract of domestic animals the tapeworms were killed and eliminated in the feces. The substances involved are amply defined in the claims, which may be classified into three groups, of which the following are representative:

8. A veterinary anthelmintic composition containing as an essential active ingredient 2,2'-dihydroxy-5,5'-dichlorodiphenylmethane and a carrier therefor.

13. A veterinary anthelmintic composition containing as an essential active ingredient 2,2'-dihydroxy-5,5'-dichlorodiphenylmethane and a solid carrier therefor and in the form of a compressed tablet.

18. A method for combating intestinal parasites of domestic animals and poultry animals which comprises contacting said parasites in the alimentary tract of said animals with a substance represented by the following formula:



in which X represents a halogen selected from the group consisting of chlorine and bromine wherein said halogen substituents are arranged symmetrically and *n'* is a small whole number from the group consisting of 1, 2, 3, and 4.

All of the claims, save those drawn to non-elected species, were rejected as unpatentable over the following prior art: Hardy, 1,658,719, February 7, 1928; Weller et al., 1,707,181, March 26, 1929; Konantz, 1,839,970, January 5, 1932; Miller et al., 2,280,340, April 21, 1942; Gump et al., 2,334,408, November 16, 1943; Cade, "Soap and Sanitary Chemicals," vol. 20, February 1944, pp. 111–115.

The Gump et al., Weller et al. and Cade disclosures show that the claimed compounds were known prior to appellant's work with them. The Gump et al. patent is directed to a process for making chlorinated phenol-aldehyde condensation products. The Weller et al. patent discloses a condensation product from P-halogenated phenolic compounds and aldehydes and a process for making the same. The Cade publication treats of halogenated hydroxydiphenyl methanes as disinfectants, indicating that they are excellent germicides and are non-toxic. Each of these references discloses solvents for the compound of which it treats.

Appellant concedes that the Gump et al., Weller et al. and Cade references disclose some of the chemical compounds employed as the essential active ingredient in appellant's compositions of claims 8, 15, and 16. Since claim 13 contains the same active ingredient such concession would apply there also.

As to the claims of the first group, it is appellant's contention that the references do not disclose the use of such compounds to combat tapeworms, nor indicate that they could be combined with suitable carriers to produce effective veterinary anthelmintic compositions. Appellant further contends that the Patent Office has confused the terms composition and compound, his claims calling for a combination of the reference compounds with a carrier to form a new composition. Because, appellant contends, the cited references do not disclose compositions that are per se the equivalent of the claimed compositions, the rejection on the *In re Thuau* doctrine is erroneous. [30 CCPA (Patents) 979, 135 F.2d 344, 57 USPQ 324.] This rejection, affirmed by the Board, reads as follows:

Claims 8, 15 and 16 are rejected as unpatentable over any one of Gump, Weller or Cade who show applicant's compounds in various compositions and solvents, which would be carriers. Gump, Weller and Cade specifically show 2,2'-dihydroxy-5,5'-dichlorodiphenylmethane. Gump * * * shows alcohol, a carrier, with the compound. Weller shows water, alkalis, and ligroin all of which are carriers with the compound. Cade shows water as a carrier. A claim for an old composition is unpatentable irrespective of the "new and unobvious use" set forth in the preamble. A composition which is old cannot be patented by setting forth a new use for the composition in the preamble of the claims. See *In re Thuau*, * * *.

We agree that the prior art showing of solvents for the involved compounds satisfied the broad term "carrier" used in the claims. [1] It has been uniformly held that claims in a pending application will be given the broadest interpretation of which they are reasonably susceptible. *In re Carr*, 54 App. D. C. 283, 823 O. G. 4; *In re Horton*, 19 CCPA (Patents) 871, 54 F.2d 961, 12 USPQ 221, 418 O. G. 273; *In re Garcia*, 23 CCPA (Patents) 1065, 82 F.2d 711, 29 USPQ 240, 470 O. G. 937. [2] The so-called Thuau doctrine was not a new principle laid down in that case, but was a restatement of the well established rule "that a patent for a new use for an old substance quite unchanged is not authorized by the patent laws." Appellant urges upon us the case of *In re Kunz et al.*, 37 CCPA (Patents) 943, 181 F.2d 239, 85 USPQ 239, 636 O. G. 889, wherein this court held that the fact that a compound had been previously patented would not preclude the issue of a later patent on a new composition of which it formed a major component. Since appellant has produced no new composition the case is inapposite.

[3] The case of *In re Benner et al.*, 38 CCPA (Patents) 1081, 174 F.2d 938, 82 USPQ 49, 625 O. G. 5, likewise relied upon, states the familiar principle that where an introductory phrase is not limited to indicating use but contributes an element to the claim, the phrase is necessarily a limitation upon the subject matter of the claim. See *Kropa* v. *Robie et al.*, 38 CCPA (Patents) —, 187 F.2d 150, 88 USPQ 478, 646 O. G. 1401. This court held in the Benner case that the introductory phrase "A ball mill lining element composed of" did not patentably limit the old composition which it introduced, and that the *In re Thuau* doctrine applied. The introductory phrase now before us, "A veterinary anthelmintic composition containing," is of the same nature, and constitutes no limitation on the subject matter of

the claim. As this court said in the Benner et al. case:

> • • • The phrase comprises the name of a product and is introductory. It does not contribute to the definition of any composition or any part of any composition. Whatever of limitation there may be about it is a limitation as to its use, and unfortunately or fortunately—we do not undertake to determine which—no provision has been made in the patent statutes for granting a patent upon an old product based solely upon discovery of a new use for such product. • • •

With respect to claim 13, the sole claim in the second group, appellant makes the additional argument that the limitation "a solid carrier therefor and in the form of a compressed tablet" distinguishes the claimed subject matter over that of the prior art and renders the holding in the Thuau case inapplicable. [4] While it is true that in certain cases invention might be present in a very slight alteration and the Thuau doctrine avoided, such alteration must always amount to more than mechanical or professional skill. *In re Benner et al.*, supra. It was the Examiner's position, which was affirmed by the Board, that claim 13 was unpatentable over the compound per se because the limitations "solid carrier" and "compressed tablet" were insufficient to patentably distinguish the claimed composition. We can find no error in this holding. Certainly it cannot be inventive to merely take an old composition and put it into tablet form. Not only are tablets notoriously old as a form for administering medicines but they are likewise a well known manner of marketing many types of compositions later to be dissolved. Thus Webster's New International Dictionary, Second Edition, gives as one definition of "tablet":

> A flattish cake of compressed or molded solid matter, such as arsenic or soap.

Merely to form the instant prior art compositions into compressed tablet form for any reason whatsoever could hardly be called invention.

Claim 18, the only claim in the third group, is drawn to a method for combating intestinal parasites of animals by contacting the parasites in the alimentary tract of the animal with a specified composition. The Examiner rejected this claim and the Board affirmed on the ground that the actual method is old, as shown by any one of the patents to Hardy, Konantz, or Miller et al., and that the use of a new and analogous material did not render the old process patentable. In view of the references it cannot be doubted that the steps of the process are old. [5] It is further well settled that the substitution of a new and analogous material in an old method or process does not render the process patentable where the improved result is due solely to the quality of the material used. *In re Saunders et al.*, 33 CCPA (Patents) 1001, 154 F.2d 693, 69 USPQ 341, 590 O. G. 11, and the authorities cited therein; *In re Gardner*, 35 CCPA (Patents) 753, 164 F.2d 363, 76 USPQ 43, 607 O. G. 194; *In re Hancy et al.*, 34 CCPA (Patents) 767, 158 F.2d 296, 72 USPQ 114, 598 O. G. 330. The patents to Hardy, Konantz and Miller et al. disclose various compositions for use as anthelmintics in the same process as is claimed here. These compositions all possess the properties of being non-toxic and germicidal which the Solicitor for the Patent Office points out are the basic characteristics of materials suitable for use as anthelmintics. The patent to Hardy discloses the use of phenols as a constituent of his anthelmintic. The Primary Examiner and the Board were of the opinion that the claimed compositions were analogous and invoked the rule of the Saunders case, supra. The Cade publication makes it clear that compositions such as those claimed here, which are homologues and analogues of phenol and its halogenated derivatives, are both germicidal and non-toxic. Thus the compositions used in the method of claim 18 were known to possess the basic characteristics for combating internal parasites and were also known to be homologues and analogues of phenol, a component of Hardy's anthelmintic. In view thereof it appears that the claimed composition is analogous to the prior art compositions and that thus the doctrine of *In re Saunders* is applicable. The claimed method, being old per se and producing new results solely through the use of a new and analogous material, does not rise to the dignity of invention.

While it appears evident that appellant has made a definite advance in the veterinary field it is settled law that every improvement is not invention, *In re Thayer*, 34 CCPA (Patents) 893, 159 F.2d 742, 72 USPQ 486, 602 O. G. 359, and that the attainment of comparative superiority over that which is already known does not of itself amount to invention. *In re Lieser*, 34 CCPA (Patents) 1113, 162 F.2d 224, 74 USPQ 104, 604 O. G. 219.

[6] Since the claimed compositions are old in the art, and since the claimed method differs from the prior art only in the use of an analogous material, the exercise of the inventive faculty is not indicated and the decision of the Board must be and is, affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE CRAIGE, JR.

No. 5789. Decided May 8, 1951

[189 F.2d 609; 89 USPQ 609]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—VETERINARY ANTHELMINTIC COMPOSITION.

Certain claims to a veterinary anthelmintic composition *Held* patentable over the cited prior art since the reference did not name or claim any composition included within the scope of the appealed claims.

APPEAL from Patent Office. Serial No. 592,919.

REVERSED.

John W. Lee for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

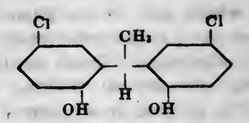
This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Examiner rejecting all of the claims, 2, 8, 9, 10, and 11, in appellant's application for a patent on a class of alleged new compositions for the elimination of tapeworms from the alimentary tract of animals and poultry. Claims 9 and 11 were rejected as not readable on the elected species and are not before the court on their merits.[1]

Following the hearing on a petition for reconsideration, the Board adhered to its original decision. The claims were originally rejected on various references, all but one of which were admitted by the Patent Office to be inapplicable.

The final rejection was made solely on a patent to Weiler et al., No. 1,707,181, issued March 26, 1929, hereinafter referred to as Weiler. A similar patent to the same applicants was granted in Germany on March 25, 1927.

Claims 8 and 10 are illustrative. Each is directed to a veterinary anthelmintic composition and reads:

> 8. A veterinary anthelmintic composition containing as an essential active ingredient the substance represented by the following formula:



> and a carrier therefor.
>
> 10. A veterinary anthelmintic composition containing as an essential active ingredient methyl-2,2'-dihydroxy-5,5'-dichlorodiphenylmethane and a solid carrier therefor and in the form of a compressed tablet.

The compositions comprise a carrier and the essential active ingredient, and may be varied somewhat in form, depending upon the warm-blooded animals to which the composition is administered.

There appears to be no contention here by appellant, and there was none before the tribunals of the Patent Office, that any one claim contains a limitation which differentiates it from any of the other claims.

The subject matter of the appealed claims were succinctly described as follows in the brief by the Solicitor of the Patent Office, numerical references to the pages of appellant's specification being here omitted:

> The active ingredient of the composition is broadly classified as an alkyl-diphenyl methane wherein each of the phenyl groups contains at least one halogen substituent and one hydroxy substituent, and a formula representation of the compounds is given. These compositions are said to possess a high therapeutic index, i. e., a relatively low toxicity at the effective dosage, and are utilizable in the form of pills, tablets, capsules, powders, aqueous or oil suspensions, or mixed with food or salt.

The problem in the art, and appellant's solution thereof, by the application of the proper dosage units of the composition, is thus described in his brief:

> The invention represents a real contribution to the art because in the past the compositions most frequently used for the removal of tapeworms from domestic animals have been either highly toxic substances or have had a drastic cathartic action. Among the highly toxic substances that have been employed are lead arsenate and nicotine sulfate. Arecoline is an example of the drastic cathartic type. These prior art remedies have many disadvantages associated with their use, among which are their contra-indications for use in sick or debilitated animals and in pregnant animals.

[1] *In re Kirwan*, 36 CCPA (Patents) 772, 171 F.2d 326, 80 USPQ 146, 620 O. G. 349; *In re Hock*, 35 CCPA (Patents) 1235, 168 F.2d 540, 78 USPQ 75, 614 O. G. 16.

The Weiler reference relates to a process for the manufacture of condensation products from halogenated phenolic compounds and aldehydes and to the new products obtained thereby, which are efficacious in protecting cloths against moths and insect pests. General formula for the products are depicted. The structural or graphic formula, considered together with the language of the specification, wherein the patentees state that parachlorophenol can be condensed with formaldehyde, disclose, the Examiner held, the resultant product was the compound 2,2'-dihydroxy-5,5'-dichlorodiphenylmethane. As further pointed out by the Examiner, the patentees also stated that instead of the formaldehyde, other aliphatic aldehydes, for example acetaldehyde, may be used with the phenolic compounds mentioned, and thereby the active ingredient of appellant's claimed product obviously "would be formed."

On that theory, the tribunals of the Patent Office, relying on the doctrine enunciated in the cases of *In re Thuau*[2] and *Ex parte Billman*,[3] rejected the appealed claims. More particularly, claims 2 and 8 were rejected as met by Weiler, and claim 10 as unpatentable over Weiler. The basis of the rejection is found in the following conclusion expressed in the decision of the Examiner:

> The showing of the process by Weiler is considered as a showing of the resulting compound. In fact, it has been the experience in the past that a showing of a compound has been challenged as a reference on the ground that its method of making was not shown. Here the method of preparation is clearly shown. Weiler's compounds are added to water, which is a carrier, and also to alkalies and ligroin, which also would be carriers. Hence Weiler shows applicant's compositions under the *In re Thuau*, 30 CCPA 979, 554 O. G. 14, 1934 C. D. 390, decision.

The valuable contribution made by appellant to the art has not been challenged. Nor is there any question here that Weiler did not name or claim any composition included within the scope of the appealed claims. The theoretical teachings of Weiler are nowise supported by actual authority or explained as required by the patent laws and the rules of practice.[4]

Weiler discloses a process that was not actually carried out and hence never produced a composition which was old in the art prior to appellant's construction. *In re Thuau*, supra, which involved the issue whether a new and unobvious use for an old composition was patentable, has no application here. In the case of *Ex parte Billman*, supra, it was conceded that the involved chemical compound was known prior to the applicant's filing date. That case likewise is not applicable to the facts in the instant case.

The decision of the Board of Appeals, for the reasons stated, is reversed.

REVERSED.

JACKSON, *J.*, dissents.

[2] *In re Thuau*, 30 CCPA (Patents) 979, 135 F.2d 344, 57 USPQ 324, 554 O. G. 14.

[3] *Ex parte Billman*, 71 USPQ 253.

[4] *In re Vickers et al.*, 31 CCPA (Patents) 985, 141 F.2d 522, 61 USPQ 122, 564 O. G. 174; *International Standard Electric Corp. v. Kingsland*, 169 F.2d 890, 615 O. G. 527; *Ex parte Johnson*, 40 USPQ 576.

U. S. Court of Customs and Patent Appeals

IN RE CRAIGE, JR.

No. 5790. Decided April 10, 1951

[188 F.2d 505; 89 USPQ 393]

1. PATENTABILITY—COMPOSITION OF MATTER—NEW USE FOR OLD SUBSTANCE UNPATENTABLE.

Since the ingredients of the claimed composition are shown to have been combined in the prior art, *Held* that the designation of appellant's composition as a "veterinary anthelmintic composition" does nothing more than apply a new use for an old substance and such compositions are not patentable under the doctrine of *In re Thuau*, 30 CCPA 979, 554 O. G. 14.

2. CLAIMS — CONSTRUCTION OF CLAIMS — INTRODUCTORY CLAUSE.

Held that the introductory clause of a composition claim is not a limitation where the body of the claim distinctly points out the nature of the composition and the use set forth in the introductory clause neither adds nor detracts from what the composition actually is.

3. PATENTABILITY — COMPOSITION OF MATTER — USE IN PRIOR ART DISCOVERED AFTER FILING.

Where the composition defined in the claims reads on the prior art, *Held* that it makes no difference whether or not the use of that compound or of an ingredient thereof for the disclosed purpose was known or unknown when the applicant filed his application.

4. SAME—PARTICULAR SUBJECT MATTER—ANTHELMINTIC COMPOSITION.

Certain claims to a veterinary anthelmintic composition *Held* unpatentable over the cited prior art.

APPEAL from Patent Office. Serial No. 592,920.

AFFIRMED.

John W. Lee for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

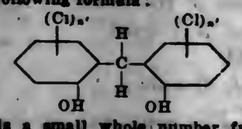
We are here called upon to review a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting claims 6 to 10, inclusive, and 12 to 14, inclusive, of an application for new and useful improvements in "Anthelmintic Compositions," Serial No. 592,920, filed May 9, 1945.

Claims 7, 9, 10, 12, and 13 were rejected as not being of the elected species. Claims 6, 8, and 14 were rejected as unpatentable over the prior art. One claim was allowed. The former group may not be considered here upon the merits. *In re Hook*, 35 CCPA (Patents) 1235, 168 F.2d 540, 78 USPQ 75, 614 O. G. 16.

The references relied upon by the Examiner and the Board of Appeals are: Gump, 2,250,480, July 29, 1941; Gump, 2,334,408, November 16, 1943.

Claims 6, 8, and 14 read as follows:

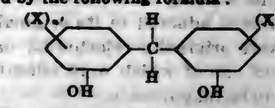
6. A veterinary anthelmintic composition containing as one of the essential active ingredients a substance represented by the following formula:



In which n' is a small whole number from the group consisting of 1, 2, 3, and 4 wherein one of the chlorine substituents on each of the benzene rings is in the 5 position; wherein any additional chlorine substituents are arranged symmetrically and as another essential active ingredient one other substance having an anthelmintic action.

8. A veterinary anthelmintic composition containing as one of the essential active ingredients 2,2'-dihydroxy, 5,5'-dichlorodiphenylmethane, and as another essential active ingredient one other substance having an anthelmintic action.

14. A veterinary anthelmintic composition containing as one of the essential active ingredients a substance represented by the following formula:



in which X represents a halogen selected from the group consisting of chlorine and bromine and n' is a small whole number from the group consisting of 1, 2, 3, and 4, and wherein one of the halogens on each of the rings is in the 5 position and wherein any additional halogen substituents are arranged symmetrically; and as another essential active ingredient one other substance having an anthelmintic action.

The invention relates to anthelmintic compositions used in the elimination of worms from the alimentary tract of higher animals. It contains a combination of two essential active anthelmintic substances. One of those substances is diphenylmethane in which each of the phenyl groups contains at least one halogen substituent and at least one hydroxy substituent. Those substituents are in corresponding symmetrical position on the ring structure. The graphic or structural formula may be observed in claim 14.

It does not appear that there is any patentable difference between the claims. Therefore, they stand or fall together.

The Gump patent, No. 2,250,480, is entitled "Dihydroxy Hexachloro Diphenyl Methane and Method of Producing the Same." It relates to a new phenol. The Gump reference, No. 2,334,408, relates to a process for making chlorinated 2,2'-dihydroxy diphenyl methanes by reacting a phenol selected from the group of para-chloro phenol and 2,4-dichloro phenol with formaldehyde in the presence of sulphuric acid.

Each of the patents discloses the solubility of diphenylmethane compounds in toluene. It is stated in the earlier Gump patent that the compounds there disclosed possess antiseptic, bactericidal, fungicidal, and preserving properties.

Prior to the date of the Examiner's statement an affidavit by a qualified doctor of veterinary medicine was filed on behalf of appellant. In the affidavit it appears that the affiant had treated a number of dogs infected with tapeworms with Teniathane Tablets, using the recommended dose. The name of the substance indicates that it is a tapeworm vermifuge. Following such treatment only one out of 12 dogs passed a mass of tapeworm segments and, therefore, it was necessary to make fecal examinations over a period of days to determine whether the tapeworms had been eliminated. Such examinations disclosed that a high percentage of the dogs were free of tapeworms for the reason, apparently, that the worms had been disintegrated in the intestines. Affiant then treated a number of dogs which were infested with hookworms, whipworms and/or tapeworms with toluene in doses of 0.1 cc. per pound of body weight. The dogs which had tapeworm infestations did not pass masses of those worms in their feces. He then treated 16 tapeworm infested dogs with a mixture of Teniathane and toluene and within 4 to 6 hours 11 passed large masses of tapeworms. It is stated in the affidavit that such passage was an unexpected and desirable action which neither the Teniathane or toluene possessed and that there was no toxic reaction following the use of the mixture which indicated safety as well as effectiveness.

In his rejection of claims 6, 8, and 14 the Primary Examiner pointed out that toluene is an anthelmintic substance as shown in the affidavit and, because of that disclosure together with the fact that the references disclosed the compounds of appellant in a toluene solution, the claims are for an old composition regardless of "new and unobvious use" and therefore unpatentable, citing the case of *In re Thuau*, 30 CCPA (Patents) 979, 135 F.2d 344, 57 USPQ 324, 554 O. G. 14.

In the Examiner's reply to the brief of appellant in which it was stated that the anthelmintic action of toluene was first described in a publication by Enzie in 1947, it was held that the compound of appellant with toluene is old, as disclosed in the Gump patents, and the rejection of the involved claims on the authority of the Thuau case, supra, was reaffirmed.

Counsel for appellant filed a supplemental brief directed to the Examiner's reply in which it is stated that the claims are directed to veterinary anthelmintic compositions containing a particular class of dihydroxy halogen substituted diphenylmethanes as one of the essential active ingredients and as another essential active ingredient a substance having anthelmintic action. It was pointed out there by counsel for appellant that in the cited prior art it is merely shown that 5.6 gm. of 2,2'-dihydroxy-5,5'-dichlorodiphenylmethane is soluble in 100 cc. of toluene. Counsel for appellant further stated that it was impossible to use the solution shown in the prior art as an effective veterinary anthelmintic dose. Therefore he contended that the composition defined in the involved claims is not old.

The Board of Appeals in its decision pointed out that according to the affidavit toluene is an anthelmintic and further that the patent references disclose the new phenol dissolved in toluene. The Board noted that it was the contention of appellant that when the involved application was filed toluene was not known as an anthelmintic. Then the Board stated that under the doctrine of the Thuau case, supra, it was immaterial as to what utility might be possessed by the composition disclosed in the prior art, and, accordingly, the rejection by the Examiner was warranted.

Counsel for appellant, before the Board, cited the case of *In re Williams*, 36 CCPA (Patents) 756, 171 F.2d 319, 80 USPQ 150, 619 O. G. 614, in support of his contention that because toluene was not known as an anthelmintic at the time the involved application was filed that after acquired knowledge of that property may not be applied in the present rejection. The Board stated that in that case the claims had not been rejected under the doctrine of the Thuau case, supra, and further pointed out that therapeutic dosage of the respective ingredients including toluene was shown in the affidavit but not disclosed in the present specification. The Board further held, contrary to the contention of counsel for appellant, that the preamble of the rejected claims "a veterinary anthelmintic composition" does not limit the compositions to those in which the active agent is contained in proper dosage, form, and quantity and therefore did not agree with the contention that the claims are so limited. The Board properly observed, and it is not disputed, that dosage, form, and quantity vary in different cases.

In response to a petition by appellant's counsel for reconsideration in which a proposal was made to amend several claims by specifically setting out the essential ingredients in definite proportions and quantity, the Board stated that it had made no suggestion that such amendments should be made nor did it intend to make such suggestion as was argued by counsel for appellant. In its response it was set out that the Board had no inclination to direct the Examiner to allow the claims as amended, nor was it its practice to consider amended claims except in some situations where the suggestions for such amendment come from the Examiner. The petition was denied.

The issue before us is whether the composition defined by the involved claims reads upon the toluene solution of the diphenylmethane compound disclosed in the cited prior art regardless of whether or not the use of such compound or of toluene as an anthelmintic was known or unknown when the involved application was filed.

It seems to us that the control of internal parasites present in the organs of domestic animals is of importance in animal husbandry. No doubt many domestic animals by reason of parasitic infections die, and such animals may be infected at the same time with more than one type of parasite. It may well be that appellant is the first to have discovered and used a combination of anthelmintics whereby a single dose would take the place of the several different doses of different anthelmintic drugs which had been formerly used to control each of the several parasitic infections.

We think it a matter of common knowledge that most known anthelmintic drugs are poisonous and, therefore, that toxic hazard may be increased by reason of unskilled combined use. We have no doubt that appellant has usefully advanced the science of veterinary medicine with respect to the elimination of parasites in the higher animal. However, it does not necessarily follow from the facts and circumstances present that appellant is entitled to a patent on the involved claims.

[1] It is not disputed that each of the reference patents discloses that diphenylmethane compounds are soluble in toluene. It is also clear that the affidavit unquestionably shows that toluene is an anthelmintic substance. Therefore, it seems to us,

as it did to the Board, that the designation of appellant's composition as "a veterinary anthelmintic composition" does nothing more than apply a new use for an old substance and, therefore, such compositions as are defined in the involved claims are not patentable under the doctrine of *In re Thuau*, supra.

[2] We cannot agree with the contention of counsel for appellant that the introductory clause of the claims is a limitation. The composition is set out subsequent to the preamble or introductory clause and distinctly points out what the composition is. That composition, as defined by the claims, is to be used as a veterinary anthelmintic composition, but such use neither adds nor detracts from what the composition actually is.

It is true that in the case of *In re Hall*, 35 CCPA (Patents) 1178, 168 F.2d 92, 77 USPQ 618, 614 O. G. 11, and in the Williams case, supra, it has been held by us that matters known only subsequent to the filing date of an application are not available as references against such application, but it is equally well settled that claims in a patent application cannot be held to involve invention if the composition defined in such claims is not novel, and, of course, patents for old compositions of matter based on new use of such compositions, without change therein, may not lend patentability to claims. *In re Thuau*, supra.

[3] There can be no doubt that a patentee and, subsequent to the expiration of the patent, the public, is entitled to every use of which an invention is susceptible whether such use be known or unknown to the patentee. Therefore, it is clear that if the composition defined in the involved claims reads on the toluene solution of diphenylmethane compound shown in the prior art, it makes no difference whether or not the use of that compound or of toluene as an anthelmintic was known or unknown when appellant filed his application.

We cannot see from the structure of the involved claims that the composition defined therein differs from the composition of the prior art for the reason that no quantities or proportions have been stated. We cannot agree with the contention of counsel for appellant that the compositions defined in the involved claims differ from the composition of the prior art because the ingredients must be present in such proportions that each will assert an anthelmintic effect. Furthermore, it would seem to us that the proposed amendment heretofore referred to does not agree with the present contention that the involved claims as written are restricted to proportions of the ingredients.

[4] We are of opinion that the prior art composition is included within the scope of the rejected claims and, therefore, the compositions defined therein are unpatentable.

For the reasons set forth herein the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE LIFTON

No. 5747. Decided June 5, 1951

[— F.2d —; 89 USPQ 641]

1. CLAIMS—ARTICLE OF MANUFACTURE—PROCESS LIMITATIONS.

Although limitations to the process of manufacture may be permissible in an article claim where the invention is in the article and it is impossible to define it otherwise, *Held* that this rule does not apply where the applicant demonstrates the possibility of proper article claims by including several devoid of process limitations.

2. PATENTABILITY—PARTICULAR SUBJECT MATTER—BRIEF CASE.

Certain claims to a brief case *Held* properly rejected as unpatentable over cited prior art and a certain other claim to a brief case further *Held* properly rejected as improperly including process limitation.

APPEAL from Patent Office. Serial No. 13,107.

AFFIRMED.

Charles M. Palmer for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims 14, 15, 16, 17, and 21 in appellant's application for a patent for an invention relating to a "Compound Brief Case." Process claims 18, 19, 20, and 22 were allowed.

The appealed claims read:

14. In a brief case, a gusset, a panel comprising complementary elbows defining a rim including upper horizontally alined and independent reaches having inner ends disposed in juxtaposition and including downwardly extending limbs depending from outer portions of said reaches, said reaches and limbs including lower and side margins respectively and constituting an opening defining an open span, a swingable closure flap for covering said opening and overlapping said margins and having a lower portion intervening said span and secured to the lower part of said gusset, tapes secured to said margins and to said flap and offset relatively thereto, and means securing said panel to said gusset.

15. In a brief case, a gusset, a panel comprising complementary elbows defining an inverted substantially U shaped rim including upper horizontally alined and independent reaches having inner ends contiguously disposed and including downwardly extending limbs depending from outer portions of said reaches and limbs including lower and side margins respectively and constituting an opening defining an open span at the lower parts of said limbs, a swingable closure flap for covering said opening and overlapping said margins and having a lower portion intervening said span and secured to the lower part of said gusset, tapes secured to said margins and to said flap and offset relatively thereto, and means securing said panel to said gusset.

16. In a brief case, a gusset, a panel comprising complementary inverted L shaped elbows defining a rim including upper horizontally alined reaches disconnected from each other having inner ends and including downwardly extending limbs depending from outer portions of said reaches, said reaches and limbs including lower and side margins respectively and constituting an opening defining an open span at the lower ends of said reaches, a swingable closure flap for covering said opening and overlapping said margins and having a lower marginal portion intervening said span and secured to the lower marginal part of said gusset, tapes secured to said margins and to side and upper margins of said flap and offset relatively thereto, and means securing said panel to said gusset.

17. In a brief case, a gusset, a panel comprising complementary and inverted L shaped elbows defining an inverted U shaped rim including upper horizontally alined and independent reaches having contiguously arranged inner ends disconnected from each other and including downwardly extending limbs depending from outer portions of said reaches, said reaches and limbs including lower and side margins respectively and constituting an opening defining an open span, a swingable closure flap for covering said opening and overlapping said margins and having a lower portion intervening said span and secured to the lower part of said gusset, tapes secured to said margins and to said flap and offset relatively thereto, means securing said panel to said gusset, and expandible and contractible bellows secured to said flap and panel, and a swingable tongue having one end covering said inner ends and secured thereto.

21. As a new article of manufacture comprising, a blank cut to form a pair of inverted substantially L shaped elbows having horizontally alined reaches spaced apart by an insert and having a limb vertically depending from the outer marginal portion of each of said reaches and concomitantly defining a flap spanning said limbs and disposed below and contiguously to said reaches to provide an appreciable separation between said limbs and having a lower marginal portion projecting beyond said limbs, said elbows and flap being completely separated from said blank to be clear of said insert for bringing together the inner ends of said reaches and in alinement and juxtaposition to constitute with said limbs an opening smaller than said separation, said flap being smaller than said opening and mounted on said elbows to arrange said lower marginal portion to intervene and to be in line with the lower margins of said limbs and to cover said opening and to overlap the lower margins of said reaches and the inner margins of said limbs, a reinforcing flap covering and secured to said juxtapositioned inner ends, and disconnectable fastening means secured to the side and upper margins of said flap and to said inner and lower margins of said elbows.

The references relied upon are: Hagelberg, 359,150, March 8, 1887; White, 1,367,574, February 8, 1921; Guenther et al., 2,316,328, April 13, 1943; Lifton, 2,418,589, April 8, 1947; Hochner, 2,438,780, March 30, 1948.

Appellant's application relates to a compound brief case, which includes a gusset fastened by stitching to a panel comprising complementary elbows which define a rim. The rim includes upper horizontally alined and independent reaches having inner ends in juxtaposition and downwardly extending limbs depending from the outer portions of the reaches. The reaches and limbs include lower and side margins respectively and constitute an opening defining an open span. A swingable closure flap for covering the opening and overlapping the margins is secured to the lower part of the gusset intervening the span. Tapes are secured to the margins and to the flap and are offset relatively thereto. There is a swingable tongue which covers the juxtapositioned inner ends of the horizontal reaches for reinforcing purposes.

Appellant contends that the appealed claims are directed to an improvement over appellant's earlier structure in Letters Patent No. 2,418,589, supra, wherein the closure flap is integral with the panel and held in the same plane therewith by conventional slide fasteners. In actual practice the fasteners of the patented structure are not only difficult to apply but after attachment they lay substantially parallel to the flap and the panel in the locked position thereby permitting rain to seep into the brief case through the exposed tapes.

To overcome those problems appellant proposes to use one blank of leather for both the panel and the closure flap by cutting the flap to shape so that L shaped juxtapositioned elbows are formed at the same time as the flap and from the same piece of stock. The L shaped elbows are then connected to form an opening smaller than the flap, creating a more economically produced brief case wherein the flap overlap prevents seepage and also permits greater ease in attachment of the slide fasteners.

The patent to White, supra, relates to a traveling bag. A recess or compartment is formed in one side of the bag. A cover which is secured along the lower edge of the body of the bag on a line below the bottom of the recess or compartment is used to cover the recess or compartment. The upper end of the cover is cut out to form flaps which extend over the frame and inside the bag. The flaps have eyelets and slots which engage fasteners secured within the bag.

The patent to Guenther et al., supra, relates to a side pocket for brief cases and the like. The pocket is closed by a flap which is a part of and integral with the front panel of the brief case. Zipper means are utilized to hold the flap co-planar with the side margins of the front panel.

The patent to Lifton, supra, which is appellant's earlier patent, relates to a combined brief and overnight case. The wall of the case has a large opening which is closed by a swingable flap integral with the wall of the case and held in the same plane therewith by conventional slide fasteners.

The patent to Hochner, supra, relates to a cover structure for suitcases, valises and similar carrying bags. The cover of the bag is attached to the frame of the bag by slide fasteners, in such a way that the cover overlaps the edge of the bag frame.

The Examiner rejected claims 14 through 17 as presenting no invention over Guenther et al., or Lifton in view of White or Hochner. He rejected claim 21 for the same reason and also, "for indefiniteness, in the sense of being directed to nondescript and improper article of manufacture subject matter, in that it purports to define the article by inclusion of steps in the method of fabricating the article."

[1] This court has uniformly held that a claim for an article must define the article by its structure and not by the process of making it. *In re Butler*, 17 CCPA (Patents) 810, 37 F.2d 623, 4 USPQ 342, 394 O. G. 276; *In re Moeller*, 28 CCPA (Patents) 932, 117 F.2d 565, 48 USPQ 542, 527 O. G. 559. The one exception to this rule, where the invention is in the article and it is impossible to otherwise define it, is clearly ruled out in the present case because appellant has demonstrated the possibility of proper article claims by including several devoid of process limitations.

Although Hagelberg, supra, is cited as a reference the Board stated:

The Examiner refers to Hagelberg in connection with claim 21 but we are not satisfied that Hagelberg is pertinent to the structure defined by claim 21.

The Solicitor for the Patent Office did not mention Hagelberg in his brief or discuss it in the oral argument.

Appellant filed a petition for reconsideration which was considered but was denied with respect to making any change in the Board's decision.

Appellant contends that there is no basic reference cited which relies on independent and juxta-

positioned elbows. However, the Board pointed out that the complementary elbows of claim 14 are connected into one piece by the swingable tongue as stated in claim 17 and held that this two-part feature is without invention over apparently integral elbows of either Lifton or Guenther et al.

In the case of *In re Davis*, 24 CCPA (Patents) 704, 86 F.2d 342, 31 USPQ 323, 475 O. G. 683, we held that the change of a unitary frame into one of several pieces welded together would not create a patentable distinction.

The flap of both White and Hochner are larger than the opening they cover. We do not think there is invention involved in providing the gusseted front wall panel of either Guenther et al. or Lifton with an overlap for the closure means, in view of either White or Hochner.

The features claimed being old in the art and there being no invention in the appealed claims, it is proper to combine a number of references in rejecting the appealed claims. *In re Streckert et al.*, 35 CCPA (Patents) 1148, 167 F.2d 1010, 77 USPQ 592, 613 O. G. 1085.

It seems to us that what appellant has claimed in the appealed claims is not the product of the exercise of the inventive faculties but rather that which would be obvious to persons skilled in the art involved.

[2] For the reasons stated the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

TIDY-HOUSE PAPER PRODUCTS, INC.,
Appellant
v.
TIDY HOUSE PRODUCTS CO. (IOWA),
(TIDY HOUSE PRODUCTS CO., NEBRASKA, SUBSTITUTED),
Appellee

TIDY HOUSE PRODUCTS CO. (IOWA),
(TIDY HOUSE PRODUCTS CO., NEBRASKA, SUBSTITUTED),
Appellant
v.
TIDY-HOUSE PAPER PRODUCTS, INC.,
Appellee

Patent Appeal Nos. 5765, 5768. Decided May 8, 1951

[— F.2d —; 89 USPQ 599]

1. TRADE-MARKS—CONFUSION OF THE PUBLIC—UNIQUE MARK ON GOODS OF DIFFERENT DESCRIPTIVE PROPERTIES.

Even without evidence of actual confusion of identities of the parties, *Held* that, where the expression which comprises the mark is a unique and highly distinctive one never before used in trade by other than the parties, the mark is calculated to cause confusion of the parties, even though they are engaged in different lines of trade.

2. SAME—OPPOSITION TO REGISTRATION—"TIDY HOUSE."

The decision of the Commissioner sustaining the opposition to registration of the mark "Tidy House" because of the likelihood of confusion in trade and on the basis of the name clause of the trade-mark act of 1905, is affirmed.

3. SAME — SAME — OFFICE TRIBUNALS MUST CONSIDER MARK EX PARTE.

Held that the failure of an opposer to plead the name clause of the 1905 act within the statutory period does not, of itself, justify registration of the mark, because it is incumbent upon the Patent Office, as guardian of the public interest to consider the application ex parte in the light of the corporate name clause.

4. SAME—REGISTRABILITY—"TIDY HOUSE."

The decision of the Commissioner reversed and case remanded for further proceedings to determine the applicability of the corporate name clause of the 1905 act to the mark "Tidy House."

APPEAL from Patent Office. T. M. Opposition Nos. 25,596 and 25,057.

5765 AFFIRMED.

5768 REVERSED AND REMANDED.

Emanuel R. Posnack (*Abraham J. Nydick* and *Almon S. Nelson* of counsel) for Tidy-House Paper Products, Inc.

Bair, Freeman & Molinare (*Rogers & Woodson, Smith, Michael & Gardiner, W. M. Van Sciver, W. T. Woodson*, and *Spencer B. Michael* of counsel) for Tidy House Products Co. (Iowa), (Tidy House Products Co., Nebraska, Substituted).

WORLEY, *J.*:

These are two appeals from the decisions of the Commissioner of Patents in trade-mark opposition proceedings, 80 USPQ 526 and 80 USPQ 527, respectively. Both proceedings were based upon the same record and exhibits and while two decisions were given and separate briefs have been filed here, we will dispose of the appeals in a single opinion.

Appeal No. 5765

In this case, appellant-applicant, Tidy-House Paper Products, Incorporated, of Brooklyn, New York, hereinafter referred to as the New York Corporation, appeals from the decision of the Commissioner of Patents sustaining the opposition of Tidy House Products Company, originally of Des Moines, Iowa (Tidy House Products Company, Nebraska, substituted), hereinafter referred to as the Nebraska Corporation.

It appears that the opposition arose when the New York Corporation made application for registration of the phrase "Tidy House," under the Trade-Mark Act of 1905, as applied to "Paper Place Mats, Bowl Covers, Waxpaper, Paper Napkins, Paper Towels, and Paper Toilet Tissue."

In its notice of opposition, the Nebraska Corporation alleged ownership and prior use of the trade-mark "Tidy House" for a number of household items which included liquid silver polish, window cleaner, rug and upholstery shampoo, laundry soap, wall paper cleaner, sanitary bowl-flush, scouring powder, painted surface cleaner, toilet soap, dry cleaning fluid of solvent type, polishing cloths, self-polishing wax for painted or varnished surfaces, furniture polish emulsion, and paste wax for varnished or painted surfaces.

The grounds of opposition raised by opposer, Nebraska Corporation, include the confusion-in-trade clause and the name clause of section 5 of the act, the pertinent portions of which read as follows:

Sec. 5. That no mark by which the goods of the owner of the mark may be distinguished from other goods of the same class shall be refused registration as a trade-mark on account of the nature of such mark unless such mark— * * * so nearly resembles a registered or known trade-mark owned and in use by another, and appropriated to merchandise of the same descriptive properties, as to be likely to cause confusion or mistake in the mind of the public, or to deceive purchasers, * * * no mark which consists merely in the name of an individual, firm, corporation, or association, not written, printed, impressed, or woven in some particular or distinctive manner * * * shall be registered under the terms of this act * * *

The Examiner of Interferences summarized the facts of record as follows:

* * * the business conducted by the opposer's corporation in connection with the mark on which it relies is a continuation of a like enterprise of a partnership having a similar name which it succeeded in September 1941. This partnership was formed in the fall of 1939, largely through the efforts of the opposer's witness Hunt, who earlier the same year had filed an application in his own name for registration of the mark "Tidy House" as applied to various cleaning and detergent preparations in Class 4 of the official classification of merchandise, and in January 1940, subsequent to the formation of the partnership, filed a second application in his individual name for registration of this mark for polishing wax and related goods in Class 16. These applications later matured into Registrations Nos. 374,706 and 382,209, respectively, which in December 1941 were assigned by Hunt to the opposer's corporation by a recorded instrument of assignment, opposer's Exhibit 10.

While the opposer's testimony is not altogether clear upon the point, it seems doubtful that the opposer's assignor Hunt, as an individual, made use in trade of the mark "Tidy House" as early as June 1939 when the first of said applications for registration was filed. And as to the second thereof, the record affirmatively shows that when this application was filed the mark was being used by the partnership rather than by Hunt. Regardless of whether or not either registration properly issued to Hunt, however, the partnership succeeded to whatever rights he may have owned in the mark when it commenced business in the fall of 1939. Hence the opposer's assignor Hunt possessed no proprietary interest in the mark in December 1941 at the time the assignment of Exhibit 10 was executed, and such an assignment, in the absence of an intervening assignment to the partnership, therefore was without legal force as a transfer of title to the registered mark concerned.

For the reasons indicated the opposer is deemed not to be entitled to rely upon the registrations referred to as evidence of use of its mark upon the goods therein recited; and the testimony in fact reveals that a number of the products specified in such registrations have never been marketed by the opposer or any predecessor thereof. On the other hand, it is amply established by the evidence offered in its behalf that the opposer has had use in its own right of "Tidy House" for certain of the products pleaded in the notice of opposition since prior to the earliest date of use claimed by the applicant, and as regards such products it becomes immaterial in this proceeding whether or not the opposer may own a registration for its mark. *Primrose House Inc.* v. *The Randolph Drug Co.*, 72 USPQ 173.

Testimony of opposer's witnesses disclosed that the predecessor of the Nebraska Corporation, as early as 1939, had registered the mark "Tidy House" in thirteen States; that it had bought radio and magazine advertising which had both local and national coverage; that the goods of opposer were sold in grocery, hardware, and department stores, and that the goods of opposer and those of applicant were often sold in the same section of such stores and often from the same shelves in the same departments; and that as a result of similar merchandising methods and of the concurrent use of the same marks, several instances of actual confusion as to the origin of the involved products have occurred.

It is not disputed that the mark sought to be registered by the New York Corporation is almost identical with that of the Nebraska Corporation.

As stated above, the Nebraska Corporation predicated its opposition to the application for registration by the New York Corporation on the grounds that "Tidy House" is a distinguishing feature of its corporate name, and that the articles of the parties possess the same descriptive properties.

[1] The Examiner held, and we think properly, that the involved goods do not possess similar descriptive properties to such a degree as to create the likelihood of confusion contemplated by the statute.

The Examiner did find, however, that

* * * the opposer's corporate name, Tidy House Products Company, which has been in use as such since considerably prior to the filing of the application here involved, is a bar to the registration applied for.

It appears from the evidence filed on behalf of the opposer that there have been a number of instances of actual confusion of identities of the parties as a result of use of "Tidy House" as the distinguishing feature of the opposer's name and the concurrent use of this same notation by the applicant. Even without this evidence, however, it seems clear to the Examiner that such confusion would be likely to occur. The expression "Tidy House" is a unique and highly distinctive one, which so far as appears herein has never been used in trade for any purpose by other than the parties or persons in privity therewith. Under such circumstances it is believed that the use of "Tidy House" in the respective name and mark is calculated to cause confusion of the parties, even though they are engaged in different lines of trade. *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 1926 C. D. 289.

Upon appeal by the New York Corporation, the Commissioner sustained the Examiner in the following language:

The fact that the goods do not possess the same descriptive properties is not, however, controlling with respect to the claim based upon the name clause. "Tidy House" is clearly the salient and distinguishing feature of opposer's corporate name under the principle set out in *American Steel Foundries* v. *Robertson*, 269 U. S. 372, 1926 C. D. 289, and *Duro Pump & Manufacturing Co.* v. *California Cedar Products Co.*, 56 App. D. C. 156, 11 F.2d 205. There is some evidence of confusion of identity of record between the two corporations but, as found by the Examiner of Interferences, it seems clear that there is likelihood of confusion irrespective of such evidence. Considering the matter in accordance with the name clause of the Trade-Mark Act of 1905, the decision of the Examiner of Interferences must be considered well founded. *American Steel Foundries* v. *Robertson*, supra; *Duro Pump & Manufacturing Co.* v. *California Cedar Products Co.*, supra; *Radio Corporation of America* v. *Rayon Corporation of America*, 31 CCPA 808, 139 F.2d 833; *Air King Products Company, Inc.* v. *Bernstein*, 590 O. G. 536, 70 USPQ 504; *Safeway Stores Incorporated* v. *Safeway Opticians, Inc.*, 584 O. G. 408, 68 USPQ 333.

[2] With these views we are in thorough accord and hereby affirm the action of the Commissioner in Appeal No. 5765.

AFFIRMED.

Appeal No. 5768

The facts in this appeal appear to be substantially the same as those in the companion appeal except that here the New York Corporation made application to register the "Tidy House" mark for use on "Household Bags, Sandwich Bags, Place Mats, Refrigeration Bags, Garbage Bags, Bowl Covers, Waxpaper, Paper Napkins, Packing and Shipping Bags, Food Bags, Paper Towels, Coasters, Paper Toilet Tissue, Cups and Plates."

In its notice of opposition, the Nebraska Corporation relied on several grounds therefor, which included the confusion-in-trade clause but did not include the name clause which was pleaded in the companion case.

In this appeal, as in the companion case, the Examiner held that the goods of the parties were not sufficiently similar as to be likely to result in confusion in trade. The Commissioner sustained

that holding. We are in complete agreement with such action.

[3] However, we disagree with the conclusion of both the Examiner and Commissioner that the failure of the Nebraska Corporation to plead the name clause within the thirty-day statutory period, of itself, justifies or warrants the appropriation by the New York Corporation of the "Tidy House" mark owned by the Nebraska Corporation, because it was the duty of the Patent Office to consider the corporate name clause ex parte.

In the case of *Burmel Handkerchief Corp.* v. *Cluett, Peabody & Co., Inc.*, 29 CCPA (Patents) 1024, 127 F.2d 318, 53 USPQ 369, 542 O. G. 395, this court said:

> The contention of appellant that the tribunals of the Patent Office erred in deciding the ex parte case before deciding the inter partes case is without merit. • • •
> "It was not only the right but the duty of the tribunals of the Patent Office to determine, ex parte, and without reference to issues raised by the notice of opposition, whether the mark was entitled to registration."

And in the later case of *McKesson & Robbins, Inc.* v. *Isenberg*, 35 CCPA (Patents) 1095, 167 F.2d 510, 77 USPQ 382, 613 O. G. 250, this court again said:

> We have held many times that it is not only the right but the duty of the tribunals of the Patent Office to determine ex parte and without reference to the issues raised by the notice of opposition, whether a mark is entitled to registration. • • •

Clearly the Patent Office followed the law applicable to inter partes proceedings in holding that, as between the two contestants, the failure of opposer to plead the name clause within the statutory period was a bar to it in such inter partes proceedings. However, as has been stated, we feel that it was incumbent upon the tribunals of the Patent Office, as guardian of the public interest, to consider ex parte the application for registration in the light of the corporate name clause.

The decisions of both the Examiner and the Commissioner create doubt in our minds as to the extent of ex parte consideration given the mark sought to be registered. We quote from the decision of the Examiner as follows:

> There remains to consider, ex parte, the question of applicant's right to registration.
> Testimony for the applicant establishes that of the various items enumerated in its application, the mark sought to be registered has been used only upon household, food, and garbage bags. Appropriate amendment of the application therefore will be required in the event the applicant finally prevails in this proceeding.
> For the reasons set forth above, the notice of opposition is dismissed; and subject to the filing of the suggested amendment to the description of the applicant's goods, it is further adjudged that the applicant is entitled to the registration for which it has made application.

There is nothing in the decision of the Examiner to indicate that the registrability of applicant's mark was considered ex parte under the name clause of the statute. Furthermore, there is nothing in the record to apprise us as to the reason, if any there was, such consideration was not given by the Examiner.

We find in the decision of the Commissioner the following:

> Opposer further contends that the Examiner of Interferences should have taken ex parte action to refuse registration in view of opposer's corporate name. While opposer may suggest ex parte action, it is not entitled to question the decision of the Examiner of Interferences upon such matters. *McKesson & Robbins, Incorporated* v. *Isenberg*, 35 CCPA 1095, 167 F.2d 510; *Island Road Bottling Company* v. *Drink-Mor Beverage Company*, 31 CCPA 816, 140 F.2d 331. In view of the fact that opposer has waived its right to rely upon this ground of opposition and that the basis of such suggested ex parte action appears only in the record of this case and not from matters otherwise of record in the Patent Office, it does not appear appropriate that ex parte action be taken at this time, nor is the suggestion that this be taken affected by anything contained in the Trade-Mark Act of 1946 to which both parties refer, although conceding that this case must be considered under the provisions of the Trade-Mark Act of 1905.

We are entirely at a loss to understand what is meant by the holding of the Commissioner with respect to the taking of ex parte action. This language might be construed to mean that ex parte action would be taken at a subsequent time after the Patent Office has had jurisdiction of the case returned to it. On the other hand, it may be that the Commissioner intended to affirm the holding by the Examiner that the applicant is entitled to register its mark. If the latter construction is to be placed on the quoted portions of the decisions, it is clear that a most unusual and inconsistent situation results. In Appeal No. 5765, the tribunals of the Patent Office properly held that applicant could not register its mark because it had appropriated the corporate name of the opposer, while in the instant case, if the holdings of the Patent Office should be upheld, applicant is free to do the very thing which it was not allowed to do in the companion case.

[4] For the reasons stated, we hereby reverse the decision of the Commissioner and remand this case for further proceedings to consider ex parte the applicability of the corporate name clause of the 1905 act to the application here involved.

REVERSED AND REMANDED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,821,032, J. Robinson, Wave-signaling system; 1,821,033, same, Radio receiving apparatus; 1,898,895, same, Electrical apparatus employing piezo-electric device; 1,908,558, same, Wireless receivers, filed Aug. 6, 1951, D. C., S. D. N. Y., Doc. 68/339, *F. A. Dean* v. *Philips Export Corp.* Doc. 68/338, *F. A. Dean* v. *The Hammarlund Mfg. Co., Inc.*

1,821,033. (See 1,821,032.)

1,873,954, H. Cooper, Folded shirt and method of folding same for display purposes, D. C., S. D. N. Y., Doc. 55/28, *H. Cooper* v. *Marlboro Shirt Co., Inc.* Consent decree of discontinuance Aug. 1, 1951.

1,898,895. (See 1,821,032.) 1,908,558. (See 1,821,032.)

2,031,036, C. G. Dreymann, Composition of matter and method of its production, filed July 9, 1951, D. C. Conn. (New Haven), Doc. 3364, *Grant Paper Box Co.* v. *National Folding Box Co.*

2,086,605, B. Cooper, Register; 2,196,194, same, Key operated identifier; 2,313,627, same, Treadle controlled toll checking system, D. C., S. D. N. Y., Doc. 22/531, *Taller & Cooper* v. *Westchester County et al.* Judgment favor plaintiff adjudging infringement Oct. 7, 1949; stipulation and order withdrawing appeal and cross appeal and that decree become final Aug. 7, 1951.

2,092,659, A. C. Stone, Termite shield, D. C., N. D. Tex. (Fort Worth), Doc. 2076, *Stone Co., Inc.* v. *Webb Metal & Louver Co.* Judgment for defendants filed July 17, 1951; prayer of plaintiffs for injunction is denied (notice Aug. 3, 1951).

2,118,468, T. G. Jungersen, Method of casting articles of intricate design and product thereof, suit for declaratory judgment filed Aug. 7, 1951, D. C., S. D. N. Y., Doc. 68/349, *T. G. Jungersen* v. *R. Baden et al.*

2,165,227, B. Cooper, Switch; 2,166,090, same, Treadle controlled system; 2,205,555, same, Treadle circuit, D. C., S. D. N. Y., Doc. 19/51, *Taller & Cooper* v. *Westchester County et al.* Judgment favor of plaintiff sustaining patents Oct. 7, 1949; stipulation and order withdrawing appeal and making decree final Aug. 7, 1951.

2,166,090. (See 2,165,227.) 2,196,194. (See 2,086,605.)

2,205,555. (See 2,165,227.)

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, filed July 9, 1951, D. C., S. D. Miss. (Jackson), Doc. 1649, *Greenbrier Co.* v. *B. C. Rogers & Sons, Inc.*

2,313,627. (See 2,086,605.)

2,322,702, 2,446,387, T. F. Peterson, Shielded cable, filed Aug. 2, 1951, D. C. N. J. (Newark), Doc. 732/51, *T. F. Peterson* v. *The Okonite Co.*

2,446,387. (See 2,322,702.)

2,475,572, E. P. Schreyer, Electric steam iron, C. C. A., 2d Cir. (New York City), Doc. 22021, *Rival Mfg. Co. et al.* v. *Casco Products Corp. et al.* Decree reversed in part, affirmed in part (notice Aug. 8, 1951).

2,518,188, F. Ryser, Cheese mold, filed July 3, 1951, D. C., E. D. Wis. (Milwaukee), Doc. 5346, *Frank Ryser Co.* v. *Engelke Engineering, Inc., et al.*

Des. 151,732 (*a*), W. G. Bley, Lady's stocking, D. C., E. D. Pa. (Philadelphia), Doc. 12394, *Sanson Hosiery Mills, Inc., et al.* v. *Sheer-Kist Hosiery Co. et al.* Consent judgment favor plaintiff Aug. 1, 1951. Same, filed Aug. 7, 1951, D. C., S. D. N. Y., Doc. 68/350, *Sanson Hosiery Mills, Inc., et al.* v. *Janice Stores Corp.* Doc. 68/352, *Sanson Hosiery Mills, Inc., et al.* v. *Amethyst Hosiery Corp.* Doc. 68/353, *Sanson Hosiery Mills, Inc., et al.* v. *Topaz Hosiery Co., Inc.* Doc. 67/269, *Sanson Hosiery Mills, Inc.* v. *Nelson Saez et al.* Consent judgment; defendant enjoined Aug. 8, 1951.

Des. 151,732 (*a*), Des. 151,733, W. G. Bley, Lady's stocking, filed Aug. 7, 1951, D. C., S. D. N. Y., Doc. 68/351, *Sanson Hosiery Mills, Inc., et al.* v. *The Mayer Co., Inc.*

Des. 151,733. (See Des. 151,732 (*a*).)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 203,657, T. M. 436,762, Hamilton Watch Co., Watches, and parts thereof; T. M. 443,413, same, Leather and fabric articles for watches; T. M. 372,300, same, Watch bracelets and straps and watch chains, D. C., S. D. N. Y., Doc. 68/173, *Hamilton Watch Co.* v. *S. Klein on the Square, Inc., et al.* Consent decree enjoining defendant Aug. 3, 1949.

T. M. 227,045, T. M. 227,046, Moores & Ross, Inc., Diet for infants, filed July 24, 1951, D. C., W. D. Wash. (Seattle), Doc. 2848, *M. & R. Dietetic Laboratories, Inc.* v. *The Stark Co., Inc., et al.*

T. M. 227,046. (See T. M. 227,045.)

T. M. 372,300. (See T. M. 203,657.)

T. M. 383,398, T. M. 399,872, Burlington Mills Corp., Hosiery; T. M. 520,369, T. M. 383,495, T. M. 520,368, same, Piece goods; T. M. 506,306, same, Cotton yarns; T. M. 514,411, T. M. 519,409, same, Men's half hose, filed Aug. 9, 1951, D. C., S. D. N. Y., Doc. 68/381, *Burlington Mills Corp.* v. *Burkhil, Inc., et al.*

T. M. 383,495. (See T. M. 383,398.)

T. M. 399,872. (See T. M. 383,398.)

T. M. 436,762. (See T. M. 203,657.)

T. M. 443,413. (See T. M. 203,657.)

T. M. 506,306. (See T. M. 383,398.)

T. M. 514,411. (See T. M. 383,398.)

T. M. 519,409. (See T. M. 383,398.)

T. M. 520,368. (See T. M. 383,398.)

T. M. 520,369. (See T. M. 383,398.)

T. M. 529,133, Asprey & Co., Ltd., Leather wallets, fitted cases, etc., filed Aug. 7, 1951, D. C., S. D. N. Y., Doc. 68/345, *Asprey & Co., Ltd.* v. *Asprey Corp. et al.*

NOTICES

Application For Extension of Patent

VETERANS

PUBLIC LAW 598—*81st Congress*

Application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

Any person who believes that he would be injured by the extension of the patent cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Ralph Ettlinger 1,883,657 October 18, 1932

JOHN A. MARZALL,
Commissioner.

1,883,657
TAKE-UP FOR LOOMS
Ralph Ettlinger, Kansas City, Mo. Granted Oct. 18, 1932
8 Claims. (Cl. 17—45)
No Drawing

1. A coating for fabric meat casings comprising a viscous water solution of a gelatinous substance containing glycerine and salt petre.

Patent Office Committee on Chemical Practice

There has been established in the Patent Office a committee on chemical practice, the members of which have been selected from the Examiners-in-Chief, the Law Examiners, the Supervisory Examiners and the Primary Examiners, who are familiar with problems arising in applications for patent dealing with chemical inventions. The purpose of the committee is to consider such problems and to study proposals relating to practice in chemical cases with the object of improving the practice and attaining greater uniformity among the various chemical divisions. Any suggestions, constructive criticisms, or proposals relating to improvement in the chemical practice before the Office will be considered by this committee.

Application—Complete

Drawings Required When Nature of Case Admits

Rule 81.—The applicant for patent is required by statute to furnish a drawing of his invention whenever the nature of the case admits of it; this drawing must be filed with the application.

Disclaimers

2,033,131.—*Carleton Ellis*, Montclair, N. J. REACTION PRODUCT AND PROCESS OF MAKING SAME. Patent dated Mar. 10, 1936. Disclaimer filed Aug. 1, 1951, by the assignee, *Ellis-Foster Company*.

Hereby enters this disclaimer to claims 13, 14, 22, 23, 24, 25, and 26 of said patent.

2,146,237.—*Clarence L. Stephens*, Bayside, N. Y. PICTURE PROJECTING DEVICE. Patent dated Feb. 7, 1939. Disclaimer filed Aug. 13, 1951, by the assignee, *Stephens Products Co., Inc.*

Hereby enters this disclaimer to claim 7 of said patent.

2,264,450.—*Whitman D. Mounce*, Houston, Tex. GUN PERFORATOR. Patent dated Dec. 2, 1941. Disclaimer filed Aug. 9, 1951, by the assignee, *Standard Oil Development Company*.

Hereby enters this disclaimer to claims 1, 2, 4, and 12 of said patent.

2,509,419.—*William C. Brown*, Lincoln, Mass. AMPLIFIER OF THE MAGNETRON TYPE. Patent dated May 30, 1950. Disclaimer filed Aug. 6, 1951, by the assignee, *Raytheon Manufacturing Company*.

Hereby enters this disclaimer to claims 11, 12, and 13 of said patent.

Adjudicated Patents

(D. C. Ill.) Ensminger Patent No. 2,262,670, for a combination storm and screen window, *Held* invalid. *F. C. Russell Co.* v. *Comfort Equipment Corp.*, 97 F. Supp. 784; 88 USPQ 534.

(D. C. N. J.) Burdick and Glenn Patent No. 2,488,307, for synthetic star rubies and star sapphires and process for producing same, *Held* valid and infringed. *Linde Air Products Co.* v. *Stuart Laboratories*, 97 F. Supp. 713; 89 USPQ 522.

Interference Notice

Kayantee Candy Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Em-Jay Candy Company, 212 W. Kinzie St., Chicago, Ill., for registration of a trademark and Registration No. 433,896, issued Nov. 4, 1947, to Kayantee Candy Company, 284 Passaic St., Passaic, N. J., and the notice of such declaration sent by registered mail to the said Kayantee Candy Company, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Kayantee Candy Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 4, 1951. *Assistant Commissioner of Patents.*

Classification Order No. 109

The following transfer from Division 52 to Division 57 is hereby ordered to take effect Monday, August 27, 1951:

Class 285, Pipe Joints or Couplings

M. C. ROSA,
Aug. 21, 1951. *Acting Executive Primary Examiner.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,346,393. Adjustable Die for Forming Curved Bricks. Patented Apr. 11, 1944. Die for attachment to the discharge end of an auger machine is adjustable for forming curved bricks of various sizes and shapes. A rectangular frame for attachment to the end of an auger machine is provided with vertically spaced blades extending laterally across the frame to form curved upper and lower surfaces on the clay column issuing from machine. The blades may be adjusted toward and away from each other, and the degree of curvature of each blade independently adjusted. The blades are also adjustable to form starter bricks, each having a half straight portion and a half curved portion. (Co-owner) Mrs. Nancy Ellen Render, 947 High Ave., S. W., Canton 11, Ohio. Groups 33—51; 35—59. Reg. No. 44,287.

Pat. 2,551,902. Dehorning Fluid Ejector. Patented May 8, 1951. A transparent cylinder has a guide sleeve threaded to one end to slidably receive a plunger. A delivery nipple at other end of cylinder has a needle holder threaded thereto which carries a series of circumferentially spaced hypodermic needles to penetrate a calf's skin adjacent and about the horn button. The plunger has graduations for indicating amount of the solution ejected. (Owners) Philip Rieck and Arthur Schaffer. Correspondence to Philip Rieck, New Jersey State Colony, New Lisbon, N. J. Group 39—15. Reg. No. 44,288.

The following three United States patents are owned by Office National d'Etudes et de Recherches Aeronautiques, Service Commercial, 55, Bld. Malesherbes, Paris, France. The patents are offered for licensing on reasonable terms.

Pat. 2,453,023. Machine for Testing Materials Constrained to Alternate Flexure. Patented Nov. 2, 1948. Fatigue testing machine may be used to subject a metallic or non-metallic test piece to alternate flexures according to a simple or complex law, and permits adjustment of the amplitude of the deviations assumed by the head of the test piece during such flexures so that they correspond to the amplitude of the stresses to which it is desired to subject the test piece. Group 35—69. Reg. No. 44,289.

Pat. 2,467,677. Fatigue Machine for Testing Materials Submitted to Alternated or Repeated Tensile Stresses. Patented Apr. 19, 1949. Fatigue testing machine is designed so that measurement and adjustment of the amplitude of the vibrations imposed upon a test piece may be performed during operation of the machine. Group 35—69. Reg. No. 44,290.

Pat. 2,494,877. Icing Indicator. Patented Jan. 17, 1950. Electrically driven icing indicator has an oscillatable feeler arm to periodically sweep the surface of an aeroplane wing or the like on which the formation of ice is to be ascertained. Blocking of the feeler arm will cause the device to indicate the presence of the icing layer and set a de-icing system into operation. Groups 36—19; 37—22. Reg. No. 44,291.

Pat. 2,530,251. Record Cabinet. Patented Apr. 24, 1951. A record cabinet whereby a group of records can be pulled from the cabinet by withdrawing a cover which allows the records to roll downwardly over an inclined support so the records may be taken as a group from a single compartment. A casing has a pair of vertically spaced inclined shelves, each providing the bottom of a series of record compartments. A door hinged to the bottom of each group of compartments drops downwardly and forwardly when opened and supports the records. (Owner) Clarence D. Hyatt, 660 South 39th St., Louisville 11, Ky. Group 25—11. Reg. No. 44,292.

Des. 162,250. Squeegee. Patented Feb. 27, 1951. Squeegee made from a corn cob for cleaning windshields or windows. The corn cob is dipped in water and rubbed on glass surface to remove bugs, dirt, etc. The surface is then wiped clean with a rubber squeegee positioned in a longitudinal groove in cob. May be inexpensively manufactured. (Co-owner) Robert L. Warren, Box 1, Adairville, Ky. Groups 20—33; 23—93; 30—51; 40. Reg. No. 44,293.

Pat. 2,550,631. Shuffleboard Wax Composition and Method of Making Same. Patented Apr. 24, 1951. Moisture-proof powder wax for use on shuffleboards, dance floors, etc. Walnut shells are crushed and sifted, leaving round particles. The particles are placed in a heater and agitating device while applying a molten wax composition to impregnate and coat the particles. The material is then cooled, broken, and sifted ready for packaging. May be put in can with perforated top for sprinkling on floors. (Owner) William G. Young, Sr., 712 Maple Ave., South Plainfield, N. J. Group 28—93. Reg. No. 44,294.

Pat. 2,503,162. Removable Type Assembly for Typewriters. Patented Apr. 4, 1950. A detachable type arrangement for typewriters for changing the size and style of type as desired. Channel shaped type heads and the outer ends of the swingable type bars of typewriter are so shaped that the heads may be releasably snapped onto the type bars. A complete set of type heads in side by side relation is stored in a slotted case and retained therein by pivoted spring levers at opposite ends of case. The case may be placed on the bed of the typewriter so that the outer ends of the type bars extend into the case, and the type heads depressed to snap them onto the bars. The case remains in the typewriter without interfering with typing until it is desired to replace the type heads with a different set. Several cases containing different sets of type heads may be kept on hand. (Owner) Helene A. Lundgren, P. O. Box 679, New York 1, N. Y. Group 35—72. Reg. No. 44,295.

Pat. 2,471,528. Child's Rocking Bowl. Patented May 31, 1949. A cup-like device within which a small child may be placed for amusement and exercise has a rounded bottom to provide a rocking movement by the motions of the child within. A frusto-conical guard surrounds bottom of device to limit the tilting movement. Toys and trinkets may be attached to a resilient beading around upper edge. (Owner) Lester E. Kling, Box 524, Live Oak, Fla. Group 39—41. Reg. No. 44,296.

Pat. 2,549,297. Shoulder Shaped Dress and Suit Hanger. Patented Apr. 17, 1951. Garment hanger has a thin main body portion with center hook formation and enlarged ends wide at outer ends and tapering inwardly to support the shoulders of a dress or coat. Inner portions of support formation overlie inwardly curved recesses having projections on lower side for supporting the top edges of a skirt. A depending horizontal rod may underlie the shoulder support portions to support a pair of trousers. (Owner) Fred K. Dobana, 55 West Howard St., Stockton, Calif. Groups 25—99; 33—49; 39—81; 40. Reg. No. 44,297.

Pat. 2,546,945. Illuminated Earring. Patented Mar. 27, 1951. A hair-mounted device for illuminating earrings on wearer. A pencil type dry-cell battery is secured to a comb to be worn in back of hair and concealed by a plastic or metal bow. A pair of earrings having threaded sockets for small bulbs are electrically connected to the battery. Normally closed switch blades mounted on the battery may be separated by a slide to break the circuit. (Owners) Eli W. Gaffield and Raymond N. Matson. Correspondence to Raymond N. Matson, 1083 National Press Building, Washington 4, D. C. Groups 34—51; 39—71. Reg. No. 44,298.

General Electric Company will grant non-exclusive licenses under the following patents, upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following eight patents relate to electrical refrigerator cabinets and compartments therefor; a control arrangement for refrigerating systems; a frost-measuring device for refrigerators; an evaporator for refrigerators; method of bending conduits for heat exchange devices such as evaporators and condensers of refrigerators; a refrigerated food display tray; an air circulator for refrigerators which minimizes the dripping of moisture onto the food and the drying out of food. Group 35—84.

Pat. 1,971,518. Refrigerator Cabinet. Sept. 11, 1934. Reg. No. 44,299.

Pat. 1,991,835. Method of Bending Conduits. Feb. 26, 1935. Reg. No. 44,300.

Pat. 2,084,883. Refrigerating Apparatus. June 22, 1937. Reg. No. 44,301.

Pat. 2,117,861. Evaporator for Refrigerating Machines. May 17, 1938. Reg. No. 44,302.

Pat. 2,249,466. Frost Measuring Device. July 15, 1941. Reg. No. 44,303.

Pat. 2,280,554. Refrigerator Cabinet. Apr. 21, 1942. Reg. No. 44,304.

Pat. 2,531,136. Control Arrangement for Refrigerating Systems. Nov. 21, 1950. Reg. No. 44,305.

Pat. 2,532,816. Air Circulating Arrangement for Refrigerators. Dec. 5, 1950. Reg. No. 44,306.

Included in the 21 patents listed below is a cathode ray oscillograph for adjusting the position of the cathode ray beam without interfering with its deflection in response to the phenomenon under investigation, and control circuits for the oscillograph. The list also includes a silhouetting stroboscope; combined sound and visual stroboscope; a high frequency cable; an electromagnetic testing apparatus for gauging lead cable sheath; an electric fence; electric gauge for measuring static and dynamic deformations in bodies under stress conditions; apparatus for controlling light radiations; an electron lens; electron optical apparatus; apparatus for testing sheet magnetic material; apparatus for maintaining an electric arc between electrodes; a two-phase synchronous motor; a spark generator for use in making spectographic analyses; current collector for dynamo-electric machines; an impulse transmitter; and electron microscopes. Groups 36—19—31—92; 39—12—13. Reg. Nos. 44,307 through 44,327.

Pat. 2,007,757. Thermal Cut-Out. July 9, 1935.

Pat. 2,102,421. Cathode Ray Oscillograph. Dec. 14, 1937.

Pat. 2,133,138. Stroboscope. Oct. 11, 1938.

Pat. 2,167,538. High Frequency Cable. July 25, 1939.

Pat. 2,186,826. Eccentricity Indicator. Jan. 9, 1940.

Pat. 2,196,046. Electric Fence. Apr. 2, 1940.

Pat. 2,219,188. Cathode Ray Oscillograph Control Circuits. Oct. 22, 1940.

Pat. 2,249,477. Electric Gauge. July 15, 1941.

Pat. 2,249,483. Light Indicating Apparatus. July 15, 1941.

Pat. 2,281,280. Light Relay. Apr. 28, 1942.

Pat. 2,289,071. Electron Lens. July 7, 1942.

Pat. 2,324,305. Sound Stroboscope. July 13, 1943.

Pat. 2,347,982. Electron Lens. May 2, 1944.

Pat. 2,357,666. Thickness Gauge. Sept. 5, 1944.

Pat. 2,358,620. Electric Arc Apparatus. Sept. 19, 1944.

Pat. 2,364,421. Impulse Counter Motor. Dec. 5, 1944.

Pat. 2,391,225. Spark Generator for Spectographic Analyses. Dec. 18, 1945.

Pat. 2,406,262. Current Collector. Aug. 20, 1946.

Pat. 2,407,505. Electrical Discharge Device Circuit. Sept. 10, 1946.

Pat. 2,420,560. Electron Microscope. May 13, 1947.

Pat. 2,422,041. Electron Microscope. June 10, 1947.

The following two patents relate to automatic temperature controls for hot plates for electric ranges and the like. The controls automatically function responsive to the temperature of a cooking vessel on the hot plate to deliver high heat to quickly bring the vessel to cooking temperature and then reduce the heat delivery to apply only sufficient heat to maintain a pre-selected cooking temperature.

Pat. 2,524,506. Switch for Electric Hot Plates. Oct. 3, 1950. Reg. No. 44,328.

Pat. 2,534,097. Top Burner Electric Range Automatic Cooking. Dec. 12, 1950. Reg. No. 44,329.

The following patent relates to a tank type vacuum cleaner having a detachable cover which provides a storage compartment for the suction hose, tubes, nozzles, etc.

Pat. 2,534,122. Tank Type Vacuum Cleaner With Superimposed Attachment Carrying Receptacle. Dec. 12, 1950. Reg. No. 44,330.

The following six patents relate to: A valve for introducing gases into an apparatus utilized for the detection of ionizing radiation; a cooling apparatus for a continuous strip annealing furnace; an adjustable switch operating rider for rotary dials of time switches; a commutator type dynamo electric machine; a high speed circuit breaker of the liquid blast type for opening an alternating current power circuit within a few cycles; and a combination kitchen cabinet and ventilator for use on a wall above a stove or the like. Groups 25—11—14; 33—99; 34—95; 36—19—21—41.

Pat. 2,534,965. Filling Valve. Dec. 19, 1950. Reg. No. 44,331.

Pat. 2,534,973. Cooling Apparatus. Dec. 19, 1950. Reg. No. 44,332.

Pat. 2,535,001. Time Switch Rider. Dec. 19, 1950. Reg. No. 44,333.

Pat. 2,535,004. Stator for Universal Electric Motors. Dec. 19, 1950. Reg. No. 44,334.

Pat. 2,535,702. Electric Circuit Interrupter. Dec. 26, 1950. Reg. No. 44,335.

Pat. 2,535,707. Combined Kitchen Cabinet and Ventilating Hood. Dec. 26, 1950. Reg. No. 44,336.

The following seven patents are available for non-exclusive licensing on reasonable terms to domestic manufacturers in the field of radio purposes.

Pat. 2,534,098. Ultra High Frequency Wave Generator. Dec. 12, 1950. Reg. No. 44,337.

Pat. 2,534,111. Wave Conversion System for Transmitters and Receivers. Dec. 12, 1950. Reg. No. 44,338.

Pat. 2,534,119. High-Potential Coil. Dec. 12, 1950. Reg. No. 44,339.

Pat. 2,534,157. Sound Reproducing Device. Dec. 12, 1950. Reg. No. 44,340.

The four patents listed above relate to a television transmitter; electrical coil for use in radio system transformers and the like; an electrodynamic loud-speaker; and a meter for measuring the frequency of ultra high frequency waves. Group 36—61.

Pat. 2,535,686. High-Frequency Coil Arrangement. Dec. 26, 1950. Reg. No. 44,341.

Pat. 2,535,699. Rotating Antenna. Dec. 26, 1950. Reg. No. 44,342.

Pat. 2,535,711. Frequency-Compensated Television Camera Circuits. Dec. 26, 1950. Reg. No. 44,343.

The three patents listed above relate to television. Included are an antenna, a picture tube, and a receiver which permits rapid selection of a large number of predetermined channels. Group 36—61.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 11, 1951

[VOL. 650. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 516,201. The Kelley-Koett Manufacturing Company, Covington, Ky. Filed Jan. 23, 1947.

Photocron

For Photofluorographic X-ray Machines for Industrial Purposes, Parts Therefor, Appurtenances and Appliances Therefor and for Use in Connection Therewith—Namely, Stands for X-ray Cameras and Tubes, Transformers, Rectifiers, Timers and Controls for X-ray Machines, X-ray Protective Equipment, Stereoscopic Attachments for X-ray Cameras, Automatic Numbering Equipment for X-ray Film, and X-ray Film Viewers.

Claims use since September 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 521,358. Don Noble & Company, Inc., Chicago, Ill. Filed Apr. 25, 1947.

Nobility

For Carrying Cases for Piano Accordions.

Claims use since August 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 539,092. Shellmar Products Corporation, Chicago, Ill. Filed Oct. 25, 1947.

SHELL-PLI

The term "Pli" is disclaimed. Applicant claims ownership of Registration No. 345,706.

For Plastic Laminated Products—Namely, Plastic Resin Laminates Having Paper or Fabric Bases, Either Plain or Printed, Used for Counter Coverings, Table Tops, Wall Coverings and the Like, Sold in Sheet or Roll Form.

Claims use since Mar. 19, 1947.

Ser. No. 560,042. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Filed June 23, 1948.

PENNSALT

Applicant claims ownership of Registrations Nos. 202,019, 248,083, 308,379, 376,858, 392,195, 398,622, 400,006, 408,183, 408,184, 408,274, 409,938, 410,588, 410,760, 411,973, 412,167, 430,295, and 433,488.

For Salt (the Partially Refined Mineral); Cryolite Both Crude and Refined; Fluorspar Both Crude and Refined.

Claims use since Oct. 29, 1946.

Ser. No. 572,521. The Siam Shellac Company Limited, Amphur Bukalo, Dhonburi, Siam. Filed Jan. 21, 1949.

SILVER SEAL C S L BRAND

The word "Brand" is disclaimed.

For Seedlac.

Claims use since Nov. 6, 1948.

Ser. No. 573,447. Union Oil Company of California, Los Angeles, Calif. Filed Feb. 7, 1949.



The drawing is lined for the colors orange and blue.

Applicant claims ownership of Registration No. 330,656.

For Asphalts.

Claims use since June 1946.

Ser. No. 582,785. Huey Seed Company, Carthage, Ill. Filed Aug. 1, 1949. (Sec. 2f.)



The drawing is lined for red and blue. Applicant claims ownership of Registration No. 393,017.
For Field Seeds.
Claims use since Aug. 29, 1941.

Ser. No. 594,298. Albert Trostel & Sons Company, Milwaukee, Wis. Filed Aug. 31, 1949. (Sec. 2f.)

FAIRFAX

Applicant claims ownership of Registration No. 377,675.
For Leather.
Claims use since 1933.

Ser. No. 604,406. Vernon-Benshoff Company, Pittsburgh, Pa. Filed Oct. 3, 1950.

ORTHO-PLY

For Synthetic Resinous Material for Fabrication Into Orthopedic Appliances.
Claims use since July 19, 1950.

Ser. No. 607,388. Joseph Liebergall & Co., New York, N. Y. Filed Dec. 7, 1950.

ELBECO

For Mink Skins.
Claims use since January 1926.

Ser. No. 607,843. Robert S. Burge, doing business as S. W. Flower Company, Toledo, Ohio. Filed Dec. 19, 1950.

PEARL

For Lawn Seeds.
Claims use since Feb. 12, 1910.

Ser. No. 608,054. Benton Clay Co., Casper, Wyo. Filed Dec. 26, 1950.

K. C.

For Bentonite.
Claims use since Nov. 7, 1950.

CLASS 2

RECEPTACLES

Ser. No. 544,937. United Metal Box Co., Inc., Brooklyn, N. Y. Filed Dec. 19, 1947.



For Metal Trash Cans for Utilitarian and Sanitary Purposes, and Metal Hampers.
Claims use since 1926.

Ser. No. 551,801. Hudson Pulp & Paper Corporation, Portland Maine, and New York, N. Y. Filed Mar. 12, 1948.



For Paper Bags.
Claims use since 1925.

Ser. No. 552,898. Traver Corporation, Chicago, Ill. Filed Mar. 24, 1948. (Sec. 2f.)

LOXTITE

Applicant claims ownership of Registration No. 285,310.
For Partitions or Fillers Made of Paper and Providing Adjacent Compartments for Boxes and Cartons.
Claims use since Mar. 14, 1930.

Ser. No. 553,503. Miro Container Company, Inc., Brooklyn, N. Y. Filed Mar. 31, 1948.



For Liquid Tight Food Cartons of Paper and Cardboard, Set-Up Paper Boxes, Cardboard Butter Plates, Paper and Cardboard Cups for Hot or Cold Liquid, and Transparent Plastic Cartons.
Claims use since Apr. 1, 1934.

Ser. No. 558,785. Grimlock Sales, Chicago, Ill. Filed June 9, 1948.

GRIMLOK

For Collapsible, Paperboard, Food Boxes.
Claims use since Nov. 7, 1947.

Ser. No. 569,171. Oswego Falls Corporation, Fulton, N. Y. Filed Nov. 20, 1948.

Sealright
-ALSERVIS-

The word "Alservis" is disclaimed. Applicant claims ownership of Registrations Nos. 133,812 and 300,176.
For Round Containers Formed of Fibrous Material, for Hot and Cold Foods.
Claims use since Oct. 30, 1946.

Ser. No. 587,228. Albany Corrugated Container Corporation, Cohoes, N. Y. Filed Nov. 3, 1949.

ALBACO

For Collapsible, Corrugated Cardboard Preformed Packs for Use in Retaining and Shipping Bricks.
Claims use since Oct. 5, 1949.

Ser. No. 588,279. The Diamond Match Company, New York, N. Y. Filed Nov. 25, 1949.



The drawing is lined for red and blue.
For Dishes of Fibre and Pulp.
Claims use since Mar. 4, 1947.

Ser. No. 608,280. Joe Lowe Corporation, New York, N. Y. Filed Jan. 2, 1951.

CHOCSITE

Applicant claims ownership of Registrations Nos. 301,067, 302,259, and 529,932.
For Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper.
Claims use since Dec. 19, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 580,377. Radinite Corporation, New York, N. Y. Filed June 13, 1949.

RADINITE

For Furniture Polish and Cleaner.
Claims use since Aug. 20, 1948.

Ser. No. 589,514. Karseal Corporation, Los Angeles, Calif. Filed Dec. 17, 1949.

KARSEAL

For Automobile Body Polish.
Claims use since Apr. 16, 1948.

CLASS 5

ADHESIVES

Ser. No. 600,998. Van Cleef Bros., Inc., Chicago, Ill. Filed July 20, 1950. (Classified in Class 21.)

DEFENDER

For Friction Tape for Electrical, Automotive and General Uses.
Claims use since Dec. 22, 1932.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 563,971. West Virginia Pulp and Paper Company, New York, N. Y. Filed Feb. 14, 1948.



Applicant claims ownership of Registration No. 92,339.
For Natural Black or Vegetable Black for Use Principally as a Pigment.
Claims use since October 1912.

Ser. No. 567,498. Carrier Engineering Company Limited, London, England. Filed Oct. 18, 1950.

ROTODIP

Applicant claims ownership of British Registration No. 667,498, dated Mar. 4, 1948.
For Metal Preservative Preparations.

Ser. No. 583,800. Horton & Converse, Los Angeles, Calif. Filed Aug. 22, 1949. (Classified in Class 18.)

PENTOL

For Disinfectant, Germicidal Preparation Which May Be Used as an Antiseptic Douche or as a General Disinfectant.
Claims use since Nov. 12, 1941.

Ser. No. 586,236. The Cleenx Co., Alexandria, La. Filed Oct. 13, 1949.

CLEENX

For Pine Oil Liquid Disinfectant.
Claims use since Sept. 1, 1949.

Ser. No. 597,927. Allied Chemical & Dye Corporation, New York, N. Y. Filed Nov. 17, 1949.

ERIEFORM

Applicant claims ownership of Registration No. 502,692.
For Dyeing Compositions.
Claims use since May 20, 1942.

Ser. No. 598,394. Marion McBride Taylor, doing business as McBride's, Methuen, Mass. Filed May 31, 1950. (Sec. 2f.)

McBride's

For Disinfectant and Exterminator.
Claims use since Apr. 1, 1940.

Ser. No. 601,372. S. B. Penick & Company, New York, N. Y. Filed July 28, 1950.

TRI-EXCEL

For Insecticidal Dust Concentrate.
Claims use since Jan. 9, 1950.

Ser. No. 606,443. Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina. Filed Nov. 15, 1950.



The drawing is lined for red. Applicant claims ownership of Registration No. 196,322.
For Tanning Agent—Namely, Quebracho Extract Soluble in Hot Water.
Claims use since Dec. 6, 1922, in Argentina; and since June 30, 1923, in commerce between Argentina and the United States and among the several States of the United States.

Ser. No. 606,688. Wallerstein Company, Inc., New York, N. Y. Filed Nov. 20, 1950.

SOLVASE

For Diastatic Enzyme Preparations for General Industrial Use, Particularly in the Leather Industry.
Claims use since Oct. 20, 1950.

Ser. No. 606,865. Goddard & Co., Sidney, Vancouver Island, British Columbia, Canada. Filed Nov. 24, 1950.

AK

Applicant claims ownership of Registration No. 526,536.
For Chemical Compositions for Addition to Water to Prevent Scale and/or Pitting.
Claims use since November 1922; and since November 1922 in commerce between Canada and the United States.

Ser. No. 607,048. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed Nov. 28, 1950.

APRONOL

For Compound of Petroleum and Fatty Oils for Softening and Preserving Leather.
Claims use since Sept. 15, 1950.

Ser. No. 607,371. The AP Parts Corporation, Toledo, Ohio. Filed Dec. 7, 1950.

Tronicote

For Coating Materials for Vacuum or Electronic Tubes.
Claims use since June 27, 1950.

Ser. No. 607,394. Ny-Last Chemical Co., Newark, N. J. Filed Dec. 7, 1950.

Ny-Last

For Chemicals for Coating Textile Material, Particularly Silk and Nylon Hosiery and Lingerie, To Lengthen the Wear Thereof.
Claims use since Oct. 7, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 606,237. Rogers Imports Inc., New York, N. Y. Filed Nov. 10, 1950.

Ranger

For Tobacco Pipe Reamers.
Claims use since June 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 597,361. Tang Bick Tong, carrying on business under the name of Kwan Yick Fireworks Company, Macau, Victoria, Hong Kong. Filed May 12, 1950.



All the wording except the words "Golden Bat" is disclaimed.
For Fireworks.
Claims use since February 1946; and first used in commerce between Hong Kong and the United States in March 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 541,417. H. & D. Co., Waco, Tex. Filed Nov. 17, 1947.

ALL WEATHER

For Cotton Thermal Insulating Material, in Loose, Bat, or Roll Form.
Claims use since Sept. 4, 1947.

Ser. No. 564,920. Asbestos Limited, Inc., Millington, N. J., now by change of name Smith Asbestos Products, Inc., a corporation of New York. Filed Sept. 10, 1948.

ASBESTOROC

The drawing is lined for shading.
For Asbestos Siding and Shingles.
Claims use since Aug. 2, 1948.

Ser. No. 569,207. Johns-Manville Corporation, New York, N. Y. Filed Nov. 22, 1948.

TERRAFLEX

For Plastic Floor Tile Containing Asbestos and a Binder.
Claims use since Oct. 29, 1948.

Ser. No. 576,362. Resist All Inc., Oklahoma City, Okla. Filed Mar. 30, 1949.

Resist-All

For Outside Metal Blinds, Embodying Movable Louvers, for Use in Building Openings.
Claims use since Mar. 1, 1949.

Ser. No. 576,364. Robertson Manufacturing Company, Morrisville, Pa. Filed Mar. 30, 1949. (Sec. 2f as to "Snowhite.")

snowhite

For Wall Tile.
Claims use since March 1949 as shown; and since January 1935 as to "Snowhite.".

Ser. No. 583,438. John F. McSwain, doing business as Industrial Asphalt Company, Berkeley, Calif. Filed Aug. 13, 1949.

INDACO

For Asphaltic Sealing Compounds.
Claims use since Aug. 1, 1946.

Ser. No. 584,179. Willamette Valley Lumber Co., Dallas, Oreg. Filed Aug. 27, 1949.

HI-HEMLOCK

The word "Hemlock" is disclaimed.
For Lumber.
Claims use since July 21, 1949.

Ser. No. 602,393. Georgia-Pacific Plywood & Lumber Co., Augusta, Ga. Filed Aug. 18, 1950.

GP
CROWNPLY

The word "Ply" is disclaimed.
For Hardwood Plywood Decorative Panel Used for Furniture, Cabinet, and Architectural Work.
Claims use since Mar. 30, 1950.

Ser. No. 602,545. Certain-teed Products Corporation, Ardmore, Pa. Filed Aug. 22, 1950. (Sec. 2f.)

FRENCH LOCK

Applicant claims ownership of Registration No. 424,042.
For Shingles of Asphalt Roofing Material.
Claims use since July 17, 1935.

Ser. No. 602,546. Certain-teed Products Corporation, Ardmore, Pa. Filed Aug. 22, 1950. (Sec. 2f.)

Tufcast

Applicant claims ownership of Registration No. 415,821.
For Molding or Casting Plaster of Calcined Gypsum.
Claims use since May 7, 1943.

Ser. No. 605,195. The Burrowes Corporation, Portland, Maine. Filed Oct. 20, 1950.

Health-Guard

For Combination Windows.
Claims use since Mar. 2, 1950.

Ser. No. 606,965. Baker-Roos, Inc., Indianapolis, Ind. Filed Nov. 27, 1950.

ROO SHOR

The element "Shor" is disclaimed.
For Adjustable Shores.
Claims use since Oct. 7, 1920.

Ser. No. 608,002. Hockaday, Inc., Chicago, Ill. Filed Dec. 22, 1950.

HERMOSEAL

For Roof Cement and Calking Cements.
Claims use since 1935.

Ser. No. 608,459. Keller Products, Inc., Cleveland, Ohio. Filed Jan. 6, 1951.



No claim is made to the representation of the goods. The mark consists of a circular background with a contrasting angular figure thereon. Applicant claims ownership of Registration No. 529,264.
For Flexible Sealing Strips of Rubber-Like Material Adapted To Be Cemented at the Junction of Intersecting Surfaces Such as Wall and Bathtub Surfaces.
Claims use since Aug. 10, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 545,155. Mueller Co., Decatur, Ill. Filed Dec. 22, 1947. (Sec. 2f.)

MUELLER

Applicant claims ownership of Registrations Nos. 64,609, 64,610, 64,611, 65,052, and others.
For Automatic Controls for Hot Water Heating Systems More Particularly Pressure and Temperature Control Valves Associated With Hot Water Heating Systems.
Claims use since Nov. 15, 1923.

Ser. No. 555,783. Raymond M. Ulrich, doing business as Ulrich Manufacturing Company, Roanoke, Ill., assignor to Ulrich Manufacturing Company, Roanoke, Ill., a corporation of Illinois. Filed Apr. 28, 1948.

ULRIX

For Hydraulic Conduit Couplings.
Claims use since Dec. 4, 1947.

Ser. No. 559,809. Omnipol, Limited Company, also named Omnipol, Akciova Spolecnost, Prague, Czechoslovakia. Filed June 12, 1948.

OMNIPOL

Applicant claims ownership of Czechoslovakian Registration No. 72,753/Praha, dated Aug. 7, 1941.
For Metallic and Enameled Cooking, Serving and Household Hollow Ware, and Metallic and Enameled Kitchen, Bathroom and Household Implements—Namely, Bathtubs, Wash Basins, Washing Pans and Troughs, Kitchen Sinks, Water Closets, Coffee Brewers, Percolators, Pressure Cookers, Basket Cookers, Hot Water Food Warmers, Towel Bars, Saucepots, Salad and Vegetable Bowls, Mixing Bowls, Porringers, Strainers, Graters, Dish Pans, Saucepans, Baking Pans, Frying Pots and Pans, Chicken Fryers, Dutch Ovens, Refrigerator Pans, Sauce Pans, Pots, Tea and Coffee Pots, Tea Kettles, Caldrons, Casseroles, Flower Pots, Watering and Sprinkling Pots, Serving Trays, Meat Plates, Tureens, Cups, Mugs, Goblets, Tumblers, Saucers, Sugar Bowls, Baking and Cooking Moulds, Broilers, Funnels, Spittoons, Pot and Pan Covers, Milk Bowls, Rice Bowls, Brush and Cloth Racks, Brush Trays, Baking Sheets, Gridirons, Egg Poachers, Water Faucets, Plumbing Valves, Handles, Door Knobs, Casters, Drawer Pulls and Knobs, Door Closers, Door Chucks, Hinges, Hooks and Eyes, Mirror and Picture Hangers, Key Rings, Metal Hose, Hose Couplings, Metal and Wire Fencing, Anchor Rods, Bolts, Nuts, Angle Irons, Ball Cocks, Flush Valves, Rivets, Screws, Stud Bolts, Metallic Box Strapping, Barbed Wire, Coil Springs, Flexible Pipe Couplings, Nozzles, Slide Fasteners, Pipe Fittings, Pipe Couplings, Metal Gates, Lawn Sprinklers, Nails, Automobile Tire Chains.

Ser. No. 570,704. The Hydrolock Manufacturing Inc., Mansfield, Ohio. Filed Dec. 17, 1948.

HYDROLOCK

For High Pressure Air Coupling for Connecting Air Lines to Vulcanizing Units for Use in the Manufacture of Pneumatic Tires.
Claims use since Apr. 9, 1947.

Ser. No. 572,484. James B. Clow & Sons, Chicago, Ill. Filed Jan. 21, 1949. (Sec. 2f.)

CLOW

Applicant claims ownership of Registration No. 113,866.
For Metal Pipe and Fittings and Miscellaneous Appurtenances Therefor—Namely, Bell and Spigot, All Bell, Mechanical Joint Bell, and Flanged Fittings; Split Sleeves and Tees, Bell Traps, Test Plugs and Caps, and Valve Box Covers.
Claims use since 1920.

Ser. No. 583,600. Joseph A. Gettelfinger, Cincinnati, Ohio. Filed Aug. 17, 1949.

WATERFINGER

For Hand Brackets for Attaching a Garden Hose to a House Broom for Cleaning Porches, Sidewalks, Basements, and the Like.
Claims use since July 25, 1949.

Ser. No. 585,557. Anchor Coupling Company, Inc., Libertyville, Ill. Filed Sept. 30, 1949.

ANCHOR

For Industrial Hose Couplings and Fittings.
Claims use since Sept. 1, 1938.

Ser. No. 585,911. Berkeley Industries, Jersey City, N. J. Filed Oct. 7, 1949.

SPACE-X-PANDER

For Racks for Mounting Onto a Wall, Door or Other Support for Clothes, as Hats, Shoes, Trousers, Shirts, Coats, Belts, Four-In-Hand Neckties and Bow-Ties; for Linens, as Towels, Blankets, and Napkins; for Kitchen Utensils, as Pots, Pans, and Trays; for Sporting Goods, as Golf Bags and Tennis Rackets; for Umbrellas and Canes; for Table and Chair Pads; for Magazines, Newspapers and Books; for Ear Rings; for Spectacles; for Hand Bags and Pocket Books.
Claims use since Sept. 2, 1949.

Ser. No. 602,877. American District Steam Company, Inc., North Tonawanda, N. Y. Filed Aug. 29, 1950.

VARIATOR

Applicant claims ownership of Registration No. 266,673.
For Expansion Joints for Steam Lines.
Claims use since Mar. 19, 1929.

Ser. No. 602,878. American District Steam Company, Inc., North Tonawanda, N. Y. Filed Aug. 29, 1950.

ADSCO

For Expansion Joints and Radiator Valves.
Claims use since Jan. 1, 1923.

Ser. No. 603,484. Madison Products Co. Inc., East Greenwich, R. I. Filed Sept. 13, 1950.

maco

For Valves, Pipe Hangers, and Pipe Supports.
Claims use since May 1947.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 588,912. Vanadium Corporation of America, New York, N. Y. Filed Dec. 6, 1949.

NODULOY

For Alloy for Addition to Cast Iron, Said Alloy Containing at Least 3% of Magnesium, Calcium, Barium, Strontium, or Lithium and at Least 15% of Silicon.
Claims use since Nov. 1, 1949.

Ser. No. 604,493. Sandusky Foundry & Machine Co., Sandusky, Ohio. Filed Oct. 5, 1950. (Sec. 2f.)



The name and portrait are of a purely fanciful character.
For Metal Castings.
Claims use since Mar. 1, 1946.

Ser. No. 606,941. The Hamilton Foundry & Machine Company, Hamilton, Ohio. Filed Nov. 25, 1950. (Sec. 2f.)

HAMILTON QUALITY CASTINGS

The words "Quality Castings" are disclaimed.
For Gray and White Iron Castings, Specifically Castings for Parts of Printing Machines and Scales, Textile Machinery, Water Heaters, Machine Tools, Diesel Engines, Farm Machinery, Building Hardware, Electric Appliances, and Airplanes.
Claims use since Mar. 22, 1943.

Ser. No. 610,678. General Bronze Corporation, Garden City, N. Y. Filed Mar. 1, 1951. (Sec. 2f.)

SOLDERALL

Applicant claims ownership of Registration No. 100,039.
For Soldering Material, Composed of Pulverized Solder, a Flux, and a Carrier.
Claims use since Jan. 15, 1911.

Ser. No. 612,329. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Apr. 6, 1951.

CALYXITE

Applicant claims ownership of Registration No. 136,477.
For Chilled Steel Globules Used as the Cutting Medium With Core Drills.
Claims use since December 1919.

Ser. No. 613,031. Stoody Company, Whittier, Calif. Filed Apr. 23, 1951.

SILFRAM

For Stable-Surface Alloy Steels in the Form of Welding Rods.
Claims use since Oct. 28, 1928.

Ser. No. 613,304. The New Jersey Zinc Company, New York, N. Y. Filed Apr. 28, 1951.

HYPRALOY

For Die Casting Alloy.
Claims use since Apr. 13, 1951.

Ser. No. 613,559. The Colorado Fuel and Iron Corporation, Denver, Colo. Filed May 5, 1951.

GAMMA

For Spring Wire.
Claims use since December 1927.

CLASS 15

OILS AND GREASES

Ser. No. 541,681. Inter-State Oil Co., Kansas City, Kans. Filed Nov. 19, 1947.



The outline of the shield and of the wings, the diagonal band across the shield and the rectangle below the shield are color lined for blue; the balance of the shield is color lined for orange and the wings for gold. The words "Inter-State" and "Motor Oil" are disclaimed.
For Motor Lubricating Oil.
Claims use since June 1, 1935.

Ser. No. 565,299. Paragon Oil Company, Inc., Brooklyn, N. Y. Filed Sept. 2, 1948.

Paragon

For Petroleum Products and Derivatives—Namely, Fuel Oils, Gasoline, Lubricating Oils, Kerosene.
Claims use since July 20, 1925.

Ser. No. 570,014. Ethel M. Page, Northampton, Mass. Filed Sept. 25, 1948.



No claim is made to the word "Lubricants." The representation of a man is fanciful. Applicant claims ownership of Registration No. 230,680.
For Lubricating Oils.
Claims use since Feb. 1, 1899.

Ser. No. 598,690. Sun Oil Company, Philadelphia, Pa. Filed June 6, 1950.

LUBEWAY

Applicant claims ownership of Registration No. 521,034.
For Lubricating Oil.
Claims use since Sept. 29, 1948.

Ser. No. 602,826. Consumers Oil Company, New York, N. Y. Filed Aug. 28, 1950.



For Lubricating Oils and Fuel Oil.
Claims use since Jan. 23, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 601,864. Coating Materials Laboratories, Inc., Belleville, N. J. Filed July 20, 1950.

CML

Applicant claims ownership of Registration No. 378,445.
For Paints in Dry, Paste, and Ready-Mixed Form; Lacquers; Paint Enamels; Aeroplane Dopes; Solvents for Paints, Lacquers, Varnishes, Enamels, Shellacs, Stains; Paint Thinners and Retarders; Scaler Preparations for Removing Paints, Varnishes and Lacquers; Varnishes; Synthetics—Namely, Vinyl Compounds for Use as Ingredients in Paints, Lacquers, Varnishes; Solutions of Acetyl Cellulose, Ethyl Cellulose and Nitrocellulose for Use as Ingredients of Lacquers; Primers; Fillers for Impregnating Pores of Grained Material, Such as Wood, To Prevent Penetration of Subsequent Coating Materials Thereinto; Fillers for Paints, Lacquers, Varnishes, and Paint Oils; Gums and Waxes Used as Ingredients in Manufacturing Paints, Lacquers, Varnishes, and Shellacs; and Paints Containing a Natural and/or Synthetic Rubber Base.
Claims use since Oct. 1, 1932.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 564,782. Orpro Food Products Company, Inc., doing business under the name Hesperi Compan[illegible] a division of the corporation, Los Angeles, Cal[illegible] Sept. 7, 1948.

HESPERI

The drawing is lined for shading purposes only.
For Laxative.
Claims use since June 10, 1941.

Ser. No. 566,477. Schering Corporation, Bloomfield, N. J. Filed Oct. 5, 1948.

GRAMICIN

Applicant claims ownership of Registration No. 43,703.
For Micro Organic Infections.
Claims use since Aug. 27, 1948.

Ser. No. 569,419. Allied Laboratories, Inc., doing business as Pitman-Moore Co., Indianapolis, Ind. Filed Nov. 26, 1948.

AMFETASUL

For Parenteral Solution of Amphetamine Sulfate for Veterinary Use.
Claims use since Feb. 19, 1942.

Ser. No. 583,800. Horton & Converse, Los Angeles, Calif. Filed Aug. 22, 1949.

PENTOL

For Disinfectant, Germicidal Preparation Which May Be Used as an Antiseptic Douche or as a General Disinfectant.
Claims use since Nov. 12, 1941.

Ser. No. 585,176. Jordan Marsh Company, Boston, Mass. Filed Sept. 22, 1949.

JMCo

The trade-mark comprises the word "Jemco." Applicant claims ownership of Registration No. 224,686.
For Vitamin Preparations, Laxatives, Germicides, Antiseptic Mouth Washes, Rubbing Alcohols, Aspirin, and Antacid Preparations.
Claims use since September 1944.

Ser. No. 585,784. Leonardo Alfredo Daniele, doing business as Dani Company, Williamsport, Pa. Filed Oct. 5, 1949. (Classified in Class 51.)



"Dani" Creme

The portrait is that of Miss Libby V. Testa, and consent is given. The word "Creme" is disclaimed.
For Medicated Cream for Application to the Skin of the Face, Body, and Feet, for the Treatment of Irritations, Rashes, Galling, or Sores and for Use as a Base for Powder, Rouges and Other Cosmetics.
Claims use since Sept. 13, 1949.

Ser. No. 585,830. The Children's Hospital of Philadelphia, Philadelphia, Pa. Filed Oct. 6, 1949.

DESI-PAK

The word "Pak" is disclaimed.
For Serums.
Claims use since July 21, 1949.

Ser. No. 593,877. Laboratoires Om Societe Anonyme, Geneva, Switzerland. Filed Mar. 13, 1950.

naphthionin

Applicant claims ownership of Swiss Registration No. 132,066, dated Jan. 24, 1950.
For Pharmaceutical Products for Human Use Containing Sodium Naphthionate for Use as a General Hemostatic Administered by Intravenous or Intramuscular Injection.

Ser. No. 595,794. Nion Corporation, Los Angeles, Calif. Filed Apr. 15, 1950.

PEPT-O-GRAN

For Preparation for the Treatment of Peptic Ulcers.
Claims use since Mar. 9, 1950.

Ser. No. 606,502. D. R. MacEslin, trading as MacEslin & Co., York, Pa. Filed Apr. 28, 1950.

PIXSOL

For Medicinal Preparation Used in the Treatment of Skin Diseases.
Claims use since Jan. 26, 1946.

Ser. No. 597,040. G. S. Stoddard & Co., Inc., New York, N. Y. Filed May 2, 1950.

VERNITE

For Quaternary Synergist (Reducing Blood-Pressure Effectively by Four Different Physiological Mechanisms).
Claims use since Apr. 1, 1950.

Ser. No. 599,189. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed June 15, 1950.

NETROPSIN

For Antibiotic Preparation.
Claims use since June 9, 1950.

Ser. No. 601,807. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Aug. 5, 1950.

PERFO

For Medicated Adhesive Surgical Pads, Medicated Adhesive Plaster, and Medicated Adhesive Tape.
Claims use since June 8, 1950.

Ser. No. 601,839. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 7, 1950.

HEMAJECT "ULMER"

In the drawing the fact that the trade-mark is always imprinted on a red background is indicated by the conventional lining for red. The surname "Ulmer" is disclaimed. Applicant claims ownership of Registration No. 306,646.
For Medical Preparation—Namely, an Injectable Solution for Treatment of Anemia.
Claims use since July 28, 1950.

Ser. No. 601,840. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Aug. 7, 1950.

HEMAPLEX "ULMER"

In the drawing the fact that the trade-mark is always imprinted on a red background is indicated by the conventional lining for red. The surname "Ulmer" is disclaimed. Applicant claims ownership of Registration No. 306,646.
For Medical Preparation—Namely, an Injectable Solution for Treatment of Anemia.
Claims use since July 28, 1950.

Ser. No. 605,705. Advance Research Corp., Chicago, Ill. Filed Nov. 1, 1950.

BEN-O-LAC

For Laxative in Tablet Form.
Claims use since Sept. 7, 1950.

Ser. No. 607,126. Sol Hellpern, doing business under the trade name Hellbro Pharmacal Company,, White Plains, N. Y. Filed Nov. 30, 1950.

JERIVITE

For Vitamin Preparation.
Claims use since Nov. 20, 1950.

Ser. No. 607,372. The Benet Drug Corporation, Cincinnati, Ohio. Filed Dec. 7, 1950. (Sec. 2f.)

DELP

Applicant claims ownership of Registration No. 415,479.
For Preparation Applied to the Skin and the Scalp for Treating Infections and Irritations and Used as an Emollient and Scalp Tonic.
Claims use since Jan. 1, 1940.

Ser. No. 607,841. Joseph Blau, doing business as Tone Professional Products, New York, N. Y. Filed Dec. 19, 1950.

RUBITONE

The lining on the jewel shaped designs is for shading.
For Sedative, Anodyne, and Palatable Expectorant for Use in Relief of Coughs and Colds.
Claims use since October 1936.

Ser. No. 607,970. The Styron-Beggs Company, Newark, Ohio. Filed Dec. 21, 1950.

GREAT SEAL

The drawing is lined for yellow but color is not claimed. Applicant claims ownership of Registrations Nos. 281,062 and 387,972.
For Medicinal Preparations—Namely, Alum, Antiseptic Solution, Boric Acid, Camphor Spirits, Camphorated Oil, Castor Oil, Cough Syrup, Epsom Salts, Glycerine, Liniment, Mineral Oil, Nitre, Spirits of Peppermint, Rose Water and Glycerine, Salicylic Acid, Saltpetre, Sulphur for Medicinal Purposes, Sweet Oil, Toothache Drops, Turpentine.
Claims use since January 1896.

Ser. No. 608,272. Casimir Funk Laboratories, Inc., New York, N. Y. Filed Jan. 2, 1951.

PENTRISUL

For Medicinal Preparation of Antibiotic Drugs for the Treatment of Diseases Caused by Micro-Organisms.
Claims use since Nov. 24, 1950.

Ser. No. 608,893. Chas. Pfizer & Co., Inc., Brooklyn, N. Y., now by merger Chas. Pfizer & Co., Inc., a corporation of Delaware. Filed Jan. 17, 1951.

NETROPSINA

For Antibiotic Preparation.
Claims use since Jan. 3, 1951.

Ser. No. 608,909. American Dietaids Company, Inc., Yonkers, N. Y. Filed Jan. 18, 1951.

smoothalin

Applicant claims ownership of Registration No. 436,269.
For Preparation in Tablet Form for the Treatment of Constipation.
Claims use since Nov. 21, 1950.

CLASS 19

VEHICLES

Ser. No. 565,028. Williams & Bennett Co., Los Angeles, Calif. Filed Sept. 11, 1948.

Beautiflow

For Automobile Accessories—Namely, Front Fender Shields, Rear Fender Shields, Fender Skirts, Hub Caps, Auto Moldings, and Curb Feelers.
Claims use since June 25, 1948.

Ser. No. 595,312. Douglas Aircraft Company, Inc., Santa Monica, Calif. Filed Apr. 6, 1950. (Sec. 2f.)

DOUGLAS

Applicant claims ownership of Registrations Nos. 362,528, 362,529, 367,720, 373,693, and 524,600.
For Airplanes and Parts Thereof.
Claims use since Sept. 25, 1925.

Ser. No. 598,667. Monark Silver King, Inc., Chicago, Ill. Filed June 6, 1950.

Palomino

For Bicycles.
Claims use since May 22, 1950.

Ser. No. 598,668. Monark Silver King, Inc., Chicago, Ill. Filed June 6, 1950.

Pinto

For Bicycles.
Claims use since May 22, 1950.

Ser. No. 607,115. Carco Products Company, Chicago, Ill. Filed Nov. 30, 1950.

CARCO

For Automobile Floor Mats and Accelerator Pedal Pads Made of Rubber.
Claims use since Sept. 9, 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 593,528. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Filed Mar. 7, 1950.

Versa-Tile

The word "Tile" is disclaimed. Applicant claims ownership of Registration No. 361,464.
For Plastic Composition Floor Covering Sold in Tiles.
Claims use since Mar. 25, 1949.

Ser. No. 596,164. James Halstead Limited, Whitefield, Manchester, England. Filed Apr. 22, 1950.

POLY-FLOR

The word "Flor" is disclaimed.
For Plastic Floor Coverings in the Nature of Linoleum.
Claims use since Mar. 24, 1949, in Great Britain; and since Dec. 14, 1949, in commerce between Great Britain and the United States.

Ser. No. 601,349. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Filed July 28, 1950.

Bonny Maid

Tile-Chief

The word "Tile" is disclaimed.
For Felt Base, Linoleum, and Composition Floor Coverings and Rugs, Not Woven.
Claims use since June 15, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 567,645. Payswell Products Corporation, Chicago, Ill. Filed Oct. 26, 1948.

PAYSWELL

For Electric Motor-Operated Portable Spray Guns.
Claims use since July 17, 1948.

Ser. No. 570,200. General Manufacturing and Distributing Company, Quincy, Mich. Filed Dec. 8, 1948.



The word "Speed" is disclaimed. The drawing is lined for the colors red, blue, and black.
For Electric Water Heaters.
Claims use since May 1947.

Ser. No. 586,187. Illinois Tool Works, Chicago, Ill. Filed Oct. 18, 1949. (Sec. 2f.)

SHAKEPROOF

Applicant claims ownership of Registrations Nos. 167,320, 232,305, and 514,706.
For Electric Terminals.
Claims use since May 1929.

Ser. No. 588,295. General Ceramics and Steatite Corporation, Keasbey, N. J. Filed Nov. 25, 1949.

FERRAMIC

For Shaped Ceramic Ferromagnetic Materials for Use in Coils, Transformers, Etc.
Claims use since Oct. 1, 1949.

Ser. No. 590,964. Yardney Electric Corp., New York, N. Y. Filed Jan. 16, 1950.



The lining on the drawing is used to designate the color red. The word "Silvercel" is disclaimed.
For Electric Storage Batteries.
Claims use since Sept. 1, 1949.

Ser. No. 591,927. Hillyard Chemical Company, St. Joseph, Mo. Filed Feb. 3, 1950.

Hiltonian
LOWBOY

For Electrically Operated Floor Scrubbing and Polishing Machines.
Claims use since Nov. 29, 1929.

Ser. No. 591,928. Hillyard Chemical Company, St. Joseph, Mo. Filed Feb. 3, 1950.

STEELTONIAN

For Electrically Operated Floor Surface Treating Machines.
Claims use since Oct. 1, 1937.

Ser. No. 596,124. Scruggs-Vandervoort-Barney, Inc., St. Louis, Mo. Filed Apr. 21, 1950.



The outline representation of the nameplate and the word "Aire" are disclaimed.
For Electrical Record Players, Television Receiving Sets, Radio Receiving Sets, and Any Combination of the Foregoing.
Claims use since Feb. 7, 1950.

Ser. No. 598,417. Philip J. Greenspan, Inc., New York, N. Y. Filed June 1, 1950.



The word "Lamps" and the representation of the goods are disclaimed.
For Electrical Lamps and Lamp Shades.
Claims use since Aug. 10, 1948.

Ser. No. 598,574. Morgan E. Cartier, doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich. Filed June 5, 1950.



The words "Beauty," "Protection" and "Quality" and the representation of the goods are disclaimed. The drawing is lined for shading only.
For Electric Lamps.
Claims use since Apr. 28, 1950.

Ser. No. 598,575. Morgan E. Cartier, doing business as Burglamp Electric Manufacturing Co., Grand Rapids, Mich. Filed June 5, 1950.



The words "Beauty," "Protection" and "Quality" and the representation of the goods are disclaimed. The drawing is lined for shading only.
For Electric Lamps.
Claims use since Apr. 28, 1950.

Ser. No. 599,044. The Winsted Hardware Manufacturing Company, Winsted, Conn. Filed June 13, 1950.

DURABILT CONTINENTAL

Applicant claims ownership of Registrations Nos. 245,171 and 305,933.
For Electrical Sadirons.
Claims use since Mar. 27, 1950.

Ser. No. 600,998. Van Cleef Bros., Inc., Chicago, Ill. Filed July 20, 1950.

DEFENDER

For Friction Tape for Electrical, Automotive, and General Uses.
Claims use since Dec. 22, 1932.

Ser. No. 604,947. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed Oct. 16, 1950. (Sec. 2f as to "Allis-Chalmers.")



Applicant claims ownership of Registrations Nos. 14,423, 158,327, 533,862, 542,024, and 542,025.
For Electric Motors, Electric Generators, Circuit Breakers, Relays, Contactors, Electric Switches, Transformers, Electrical Insulating Liquid, Switchgear, Switchhouses, Substations, Switchboards, Switchpanels, Rectifiers, Electric Hoisting Apparatus; Electric Control Apparatus in the Nature of Electrical Synchronizers, Voltage Regulators, Current Regulators, Speed Regulators, Tension Regulators, Rheostats and Motor Starters; Synchronous Condensers, Feeder Voltage Regulators, Induction Electron Accelerators, Electrical Remote Positioning Apparatus, Electrical Insulator Cementing Material, Industrial Electronic Heaters, and Parts Thereof.
Claims use since May 13, 1949, as shown.

Ser. No. 606,120. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.



The name "Hopalong Cassidy" is wholly fictitious and not the name of any known individual.
For Domestic Radio Receiving Sets.
Claims use since June 1, 1950.

Ser. No. 606,165. Oil Well Supply Company, Dallas, Tex. Filed Nov. 9, 1950. (Sec. 2f.)

WITTE

Applicant claims ownership of Registrations Nos. 190,936 and 355,490.
For Electric Generators Powered by Internal Combustion Engines.
Claims use since 1936.

Ser. No. 607,726. Stedi-Flo Air Circulators, Inc., Miami, Fla. Filed Dec. 15, 1950.

FLYING SAUCER

For Electric Air Circulators.
Claims use since July 5, 1950.

Ser. No. 610,493. Crouse-Hinds Company, Syracuse, N. Y. Filed Feb. 24, 1951.



Applicant claims ownership of Registration No. 264,407.
For Electrical Conduit Fittings—Namely, Couplings, Pipe Reducers, Pipe Connectors, Unions, Elbows, Wiping Sleeves, Conduit Pipe Plugs, Grounding Fittings, Pipe Clamps, and Flexible Couplings.
Claims use since Sept. 5, 1950.

Ser. No. 611,565. The Robert Dollar Company, also doing business as Heintz & Kaufman Division, San Francisco, Calif. Filed Mar. 20, 1951.



Applicant claims ownership of Registration No. 344,584.
For Radio Transmitters and Receivers and Parts Therefor, Coupled Prime Mover Electric Generator Units, Electric Motors, Radio Antenna Reels, Electric Generators, and Thermionic Tubes.
Claims use since 1927.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 451,628. A. S. Lazarus & Co., Inc., New York, N. Y., assignee, by mesne assignments, of A. S. Lazarus & Co., Inc. Original filed, act of 1905, Mar. 14, 1942; amended to application under act of 1946, Principal Register, May 13, 1949. (Sec. 2f.)



The drawing is lined for the colors blue and pink. The representation of the baby is fanciful. The words, "Products" and "Best for the Best Babies" are disclaimed.

For Toy Rattles; Roly Poly Toys—Namely, Toys Constructed To Roll Without Being Knocked Over; Soft Toys—Namely, Toys Stuffed With Soft Material and Simulating Different Beings; and Bead Toys—Namely, Toys Formed From Wooden Discs, Segments, Beads or the Like and Strung Together To Produce Figures Such as Dolls.

Claims use since Jan. 1, 1920.

Ser. No. 593,277. Gem Rubber Corporation, New York, N. Y. Filed Apr. 25, 1950.



For Doll's Accessory—Namely, a Toy Boot.
Claims use since 1945.

Ser. No. 604,936. Bud Stewart Tackle Company, Flint, Mich. Filed Oct. 14, 1950. (Sec. 2f.)

PAD-HOPPER

For Artificial Fish Lures.
Claims use since Feb. 17, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 584,691. Paillard Products, Inc., New York, N. Y., assignor to Paillard Limited, Yverdon, Switzerland. Filed Sept. 10, 1949.

HERMÈS Rocket

Applicant claims ownership of Registration No. 346,923.
For Typewriters.
Claims use since July 29, 1949.

Ser. No. 594,646. Iowa Manufacturing Company, Cedar Rapids, Iowa. Filed Mar. 25, 1950. (Sec. 2f.)

Cedarapids

Applicant claims ownership of Registrations Nos. 296,276 and 383,363.

For Road Material Handling Equipment, i. e., Belt Conveyors, Bucket Elevators, Feeders, Bearings, Drag Scraper Tanks, Mechanical Driers, Pugmills, Revolving Screens, Vibrating Screens, Jaw Crushers, Roll Crushers, Impact Crushers, Hammer Mills, Soil Compactors, Portable Power Conveyors, Portable Rock and Gravel Plants, Batch and Continuous Mix Asphalt Plants, Washing Plants, Tractor-Crusher Plants.

Claims use since April 1941.

Ser. No. 614,211. Manning, Maxwell & Moore, Incorporated, New York, N. Y. Filed May 22, 1951. (Sec. 2f as to "Hancock.")



Applicant claims ownership of Registrations Nos. 57,990, 59,681, and others.

For Injectors for Feeding Water Into Boilers.

Claims use since 1949 as shown; and since 1876 on the word "Hancock."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 558,557. Empco Manufacturing Co., Atlantic City, N. J., assignor to Empco Manufacturing Co., Atlantic City, N. J., a co-partnership. Filed June 5, 1948.

empco Proportioning Rule

No claim is made to the words "Proportioning Rule" nor the representation of the goods. Applicant claims ownership of Registration No. 425,251.

For Proportioning Rule.

Claims use since June 24, 1947.

Ser. No. 559,188. Swain Nelson Company, Glenview, Ill. Filed June 14, 1948.

Nydar

Applicant claims ownership of Registration No. 430,175.

For Optical Lenses and Devices Incorporating Such Lenses—Namely, Telescopes, Bore Sighting Kits for Guns Comprising Lenses, Sighting Tubes and Adapters and Projection Lenses and Lens Mounts.

Claims use since Oct. 22, 1946.

Ser. No. 570,734. Thalson Company, San Francisco, Calif. Filed Dec. 17, 1948.

REGENCY

For Binocular Glasses, Field Glasses, Opera or Theatre Glasses, Magnifying Glasses, Telescopes, and Microscopes.
Claims use since Dec. 10, 1948.

Ser. No. 583,157. The A. Lietz Co., San Francisco, Calif. Filed Aug. 8, 1949. (Sec. 2f as to "Lietz.")

LIETZ BoB BOARD

The words "Basswood," "Balsa" and "Board" are disclaimed.

For Drafting Boards.

Claims use since July 1947 as to the mark shown; and since 1920 as to "Lietz."

Ser. No. 585,522. The Frederick Post Company, Chicago, Ill. Filed Sept. 29, 1949.

DRAFTMASTER

For Encased Set of Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens.
Claims use since July 18, 1949.

Ser. No. 585,526. The Frederick Post Company, Chicago, Ill. Filed Sept. 29, 1949.

TECHMASTER

For Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens.
Claims use since Aug. 12, 1949.

Ser. No. 594,936. Kenneth R. Wilson, doing business as Homemaker Products, Antioch, Ill. Filed Mar. 30, 1950.

Sew eez

The word "Sew" is disclaimed.
For Button Gauge.
Claims use since Jan. 19, 1950.

Ser. No. 599,194. Milton Roy Company, Philadelphia, Pa. Filed June 15, 1950.

"AIROYMETRIC"

For Air Cylinder Powered Measuring Pump Precisely Measuring and Dispensing Liquids Including Chemicals.
Claims use since Feb. 28, 1950.

Ser. No. 609,120. Milliken C. Byrum, doing business as Byrum Lithographing Co., Columbus, Ohio. Filed Jan. 23, 1951.

Fotografer's Frend

The term "Fotografer's" is disclaimed.

For Photograph Trim Indicators Consisting of a Strip of Sheet Material With a Plurality of Angularly Related Sections With or Without Graduations Along the Side Edges and Other Appropriate Printed Matter Upon the Upper Surface, the Indicators To Be Temporarily Applied to Photographs To Show Where They Are To Be Trimmed for Printing.

Claims use since Jan. 2, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 572,194. Mulco, S. A., La Chaux-de-Fonds, Switzerland. Filed Jan. 14, 1949. (Sec. 2f.)

Lorton

For Watches and Parts of Watches.

Claims use since Apr. 19, 1937, in Switzerland; and since 1941 in commerce between Switzerland and the United States.

Ser. No. 587,781. Abercrombie & Fitch Company, New York, N. Y. Filed Nov. 15, 1949.

Solunar

The trade-mark consists of the word "Solunar."
For Chronometers and Watches.
Claims use since Oct. 14, 1949.

Ser. No. 605,585. Heloisa Societe Anonyme, Longeau, Berne, Switzerland. Filed Oct. 30, 1950.

Heloisa

Right of priority Sec. 44d, Swiss Registration No. 134,707, filed Aug. 11, 1950. Applicant claims ownership of Swiss Registration No. 134,707, dated Aug. 11, 1950.

For Watches and Watch Movements.

Ser. No. 608,096. American Jewelry Distributors, Inc., New York, N. Y. Filed Dec. 27, 1950.



The mark consists of a diver's helmet and the words "Deep C Diver."
For Watches.
Claims use since September 1950.

Ser. No. 608,554. Kingston Watch Company, New York, N. Y. Filed Jan. 9, 1951.

Rexton

For Men's and Women's Watches.
Claims use since January 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 605,929. Towle Manufacturing Company, Newburyport, Mass. Filed Nov. 4, 1950. (Sec. 2f.)

LAFAYETTE

For Sterling Silver and Sterling Silver Mounted Flatware and Table Cutlery.
Claims use since 1905.

Ser. No. 608,038. Jacoby-Bender, Inc., New York, N. Y. Filed Dec. 23, 1950.

ALLEGRO

For Bracelets and Watch Bracelets Sold Separately From the Watches.
Claims use since Dec. 4, 1950.

Ser. No. 608,040. Jacoby-Bender, Inc., New York, N. Y. Filed Dec. 23, 1950.

INTERMEZZO

For Bracelets and Watch Bracelets Sold Separately From the Watches.
Claims use since Dec. 4, 1950.

Ser. No. 608,328. Speidel Corporation, Providence, R. I. Filed Jan. 3, 1951.

AZTEC

For Bracelets (Not Including Watches).
Claims use since Dec. 1, 1950.

Ser. No. 608,329. Speidel Corporation, Providence, R. I. Filed Jan. 3, 1951.

CASTILE

For Bracelets (Not Including Watches).
Claims use since Dec. 1, 1950.

Ser. No. 608,383. Schuman & Donchi, Inc., Newark, N. J. Filed Jan. 4, 1951.

GEM OF ENCHANTMENT

The word "Gem" is disclaimed.
For Finger Rings and Ring Findings Made Wholly or Partly of Precious Metals.
Claims use since Dec. 1, 1950.

Ser. No. 608,531. Bride's Hope Chest Diamond Company, Tiffin, Ohio. Filed Jan. 9, 1951.

BRIDES

HOPE CHEST

For Diamonds, Diamond Rings, and Mountings of Diamonds.
Claims use since Sept. 8, 1950.

Ser. No. 609,056. Royal Craftsmen Inc., New York, N. Y. Filed Jan. 20, 1951. (Sec. 2f.)

Laguna

Applicant claims ownership of Registration No. 413,476.
For Simulated Pearls Made of Plastic or Like Material and Ornaments for Personal Adornment Not Including Watches.
Claims use since Feb. 15, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 605,781. Aldens, Inc., Chicago, Ill. Filed Nov. 2, 1950.

Trend Craft

For Living Room, Kitchen, Dining Room, and Bedroom Furniture—Namely, Davenports, Sofas, Sofa Beds, Studio Couches, Upholstered Chairs, End Tables, Gateleg Tables, Cocktail Tables, Hassocks, Ottomans, Dining Room Tables and Chairs, Buffets, Credenzas, China Cabinets, Dinette Tables and Chairs, Beds, Mattresses, Bedsprings, Cots, Foldaway Beds, Hollywood Beds, Bed Headboards, Dressers, Chests of Drawers, Wardrobes, Chifforobes, Dressing Tables, Bedroom Chairs, Vanities, Vanity Benches, Night Tables, Commodes, Book Cases, Magazine Racks, Book Ends, Telephone Tables and Chairs, Record Cabinets, Occasional Tables, Occasional Chairs, Rocking Chairs, Cedar Chests, Kneehole Desks, Secretary Desks, Card Tables and Chairs, Kitchen Tables and Chairs, and Kitchen Stools.
Claims use since May 1, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 566,972. James B. Clow & Sons, Chicago, Ill. Filed Oct. 14, 1948. (Sec. 2f.)



The name "James B. Clow" is the name of an individual, now deceased. Applicant claims ownership of Registration No. 113,866.
For Gas-Fired Unit Heaters.
Claims use since 1914.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 573,814. Societe de Faconnage et de Commerce, Velaines, France. Filed Apr. 27, 1949.



The drawing is lined for red, blue, and gold. Applicant claims ownership of French Registration No. 391,340, dated Jan. 21, 1949.
For Musical Instruments—Namely, Clarinets.

CLASS 37

PAPER AND STATIONERY

Ser. No. 515,119. Lee Paper Company, Vicksburg, Mich. Original filed, act of 1905, Dec. 31, 1946; amended to application under act of 1946, Principal Register, Apr. 21, 1948. (Sec. 2f as to "Lee.")

Lee Script

The word "Script" is disclaimed. Applicant claims ownership of Registrations Nos. 368,172 and 401,307.
For Rag Content Writing Paper and Letterheads.
Claims use since 1928 as to "Lee"; and on the entire mark since Aug. 7, 1946.

Ser. No. 549,993. United Paper Company, Tampa, Fla. Filed Feb. 17, 1948.

"SAVE-ALL"

For Waxed Paper Rolls and Sheets.
Claims use since May 26, 1940.

Ser. No. 573,729. Milprint, Inc., Milwaukee, Wis. Filed Feb. 11, 1949.



No claim is made to the words "Famous" and "Products." Applicant claims ownership of Registrations Nos. 252,997, 255,962, and others.
For Printed, Engraved and Blank Correspondence Paper and Stationery—Namely, Letter Heads, Cards, Envelopes and Blank Sheets; Die-Cut Paper Discs; Paper Doilies; Printed and Unprinted Holiday and Commodity Wrappers, Sheets, Bands, Labels and Folders Formed of Sheets of Paper, Cardboard, Parchment, Wax Paper, Regenerated Cellulose, Rubber Hydrochloride, Glassine, Plastic and Foil, and Including Liners and Overwraps; Paper Covers for Card Tables; Partially Printed Insurance Policies, Blank Checks, and Business Forms.
Claims use since May 13, 1924.

Ser. No. 589,841. Cornell Wood Products Company, Milwaukee, Wis. Filed Dec. 23, 1949.

Claybrite

For Paper Board To Be Used in the Manufacture of Boxes and Folding Cartons.
Claims use since Aug. 25, 1949.

Ser. No. 592,246. Better Packages, Incorporated, Shelton, Conn. Filed Feb. 10, 1950.

OFFICE BOY

Applicant claims ownership of Registration No. 432,228.
For Envelope, Label, and Gummed Tape Moistener.
Claims use since Sept. 12, 1949, as shown; and since 1925 to the words "Office Boy."

Ser. No. 597,294. Reynolds Metals Company, Richmond, Va. Filed May 11, 1950.

PLIFOIL

For Laminated Metallic Foil and Paper for Containers.
Claims use since May 14, 1946.

Ser. No. 601,168. The Potter Press, Waltham, Mass. Filed July 24, 1950. (Sec. 2f.)

POTTER

For Manifold Forms, Manifold Booklets, Invoice or Bill Forms, Invoice or Bill Booklets, Order Forms, and Order Booklets.
Claims use since 1912.

Ser. No. 601,302. L. L. Brown Paper Company, Adams, Mass. Filed July 27, 1950.



The wording appearing on the drawing is disclaimed.
For Writing Paper.
Claims use since October 1945.

Ser. No. 603,205. The Production and Marketing Corporation, Newtown, Conn. Filed Sept. 6, 1950.

PROMARK

For Charting and Tracing Clip Boards and Partially Printed Paper Tracing Charts for Use Therewith.
Claims use since July 25, 1950.

Ser. No. 603,237. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Sept. 7, 1950.

WHITE MAPLE

The word "White" is disclaimed. Applicant claims ownership of Registration No. 513,391.
For Wrapping Paper and Butchers Paper.
Claims use since December 1949.

Ser. No. 606,617. William T. Maass, doing business as "Mass-Matic" Record Service, Phoenix, Ariz. Filed Nov. 18, 1950.

"MASS-MATIC"

For Partially Printed Record Forms for Bookkeeping Purposes—Namely, Posting Folders, Journal Sheets, Ledger Sheets, Investment Ledger Sheets, Trial Balance Extension Sheets, and Trial Balance Sheets.
Claims use since Sept. 1, 1950.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 559,459. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948. (Sec. 2f.)

Building Maintenance

Applicant claims ownership of Registration No. 396,050.
For Periodical Publication.
Claims use since Apr. 10, 1941.

Ser. No. 582,939. Belnap & Thompson, Inc., Chicago, Ill. Filed Aug. 4, 1949.

Prize Selector

No claim is made to the exclusive right to the use of the word "Prize."
For Merchandise Catalog Published Periodically.
Claims use since April 1948.

Ser. No. 584,341. Monroe Calculating Machine Company, Inc., Orange, N. J. Filed Sept. 1, 1949.

Rhythm-add

Applicant disclaims the word "Add."
For Instructional Booklets and Lesson Sheets Issued in a Series.
Claims use since Aug. 15, 1949.

Ser. No. 592,682. National Association of Sanitarians, Los Angeles, Calif. Filed Feb. 6, 1950. (Sec. 2f.)

THE

SANITARIAN

The lining is a reproduction of the lines appearing upon the specimens.
For Periodical Publication.
Claims use since January 1943.

Ser. No. 597,345. Marvin-Neitzel Corporation, Troy, N. Y. Filed May 12, 1950.

HOSPITAL FABRICATOR

The words "Marvin-Neitzel" are disclaimed.
For Monthly Publications.
Claims use since February 1949.

Ser. No. 606,846. American Trading Stamp Company, Lincoln, Nebr., and elsewhere. Filed Nov. 24, 1950.

HAGERS PAWNEE

Applicant disclaims the word "Hagers."
For Trading Stamps.
Claims use since Apr. 28, 1950.

Ser. No. 606,961. Acme School of Die Design Engineering, Inc., South Bend, Ind. Filed Nov. 27, 1950.

Cope System

The word "System" is disclaimed.
For Correspondence School Lessons.
Claims use since Nov. 1, 1949.

CLASS 39

CLOTHING

Ser. No. 504,365. Georg Jensen Inc., New York, N. Y. Original filed, act of 1905, June 21, 1946; amended to application under act of 1946, Principal Register, Dec. 24, 1947.



The trade-mark consists of a fanciful crown with flying ribbons with the letters "GJ" in duplicate so arranged that both letters "G" are outermost in the lower part of the combination, one pair of initials "GJ" reading in reverse order.
For Children's Clothing — Namely, Dresses, Skirts, Sweaters, Slips, Panties, Bibs, Socks, Sacks, Buntings, Coats, Hats, Jackets, Suits, Shirts, Blouses, Aprons, Shoes, Nightgowns, Bathrobes, Pajamas, and Dress Gloves Made of Wool or Cotton; and for Women's Clothing—Namely, Vestees, Sweaters, Blouses, Scarfs, Mufflers, Handkerchiefs, Apparel Belts, and Dress Gloves Made of Suede, Doeskin, Glace Kid, Pigskin, Rayon, Nylon, Cotton, or Wool.
Claims use since November 1943.

Ser. No. 544,810. York Knitting Mills, Limited, Toronto, Ontario, Canada. Filed Apr. 23, 1949.

Zimmerknit

Applicant claims ownership of Canadian Registration No. 23,103, dated Apr. 20, 1938.
For Underwear, Pajamas, Sleepwear, and Outerwear—Namely, Sweaters, Sweat-Shirts and Polo Shirts, Bathing Suits, and Hosiery for Men, Women, Boys and Girls.

Ser. No. 555,853. Valmy Garment Company, Inc., Hammond, La. Filed Apr. 29, 1948.

Bonslip

For Slips, Nightgowns, Petticoats, and Pajamas.
Claims use since Mar. 9, 1948.

Ser. No. 558,937. I. Schneierson & Sons, Inc., New York, N. Y. Filed June 10, 1948. (Sec. 2f.)

Pul-lock

Applicant claims ownership of Registration No. 363,381.
For Ladies' and Children's Princess Slips, Nightgowns, Pajamas, Bloomers, Step-Ins, Step-In Drawers, Chemises, and Children's Dresses of a Textile Fabric.
Claims use since Oct. 4, 1937.

Ser. No. 564,419. Young's Merchandising Corporation, New York, N. Y. Filed Aug. 30, 1948.

YAKWA

For Men's Hats Made Rain-Proof by a Special Process.
Claims use since Aug. 5, 1948.

Ser. No. 567,851. Central Undergarment Inc., New York, N. Y. Filed Oct. 29, 1948.

Lila Lee

The term "Lila Lee" is fanciful.
For Ladies' and Children's Slips, Nightgowns, and Pajamas, and Ladies and Children's Panties.
Claims use since Sept. 1, 1948.

Ser. No. 568,043. The Coward Shoe, Inc., New York, N. Y. Filed Nov. 2, 1948.

WIDE-masters

The word "Wide" is disclaimed.
For Men's, Women's, Boys', and Girls' Shoes.
Claims use since Sept. 23, 1948.

Ser. No. 570,727. Boris Smoler & Sons, Inc., Chicago, Ill. Filed Dec. 17, 1948.

round-the-clock

For Women's and Children's Aprons, Dresses, and Smocks.
Claims use since July 1934.

Ser. No. 573,685. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 10, 1949. (Sec. 2f.)

Royal Purple

Applicant claims ownership of Registration No. 340,719.
For Women's and Children's Hosiery, Including Anklets.
Claims use since July 15, 1927.

Ser. No. 575,326. Catalina, Inc., Los Angeles, Calif. Filed Mar. 12, 1949.

Sweethearts in Sweaters

The word "Sweaters" is disclaimed.
For Sweaters.
Claims use since Jan. 21, 1949.

Ser. No. 579,135. Arshag Sarjanian, doing business as Sarjanian Glove Company, Detroit, Mich. Filed May 19, 1949.

PLASTI KING

For Plastic Coated Fabric Working Gloves.
Claims use since May 6, 1949.

Ser. No. 580,578. Centrotex, Prague, Czechoslovakia. Filed June 16, 1949.



Applicant claims ownership of Czechoslovakian Registration No. 106,083, dated Dec. 12, 1948.
For Men's, Women's, Misses', Children's and Infants' Outerwear, Underwear, Bathingwear, Beachwear, Sportswear, Nightwear, and Work Garments—Namely, Blouses; Shirts; Shorts; Collars; Cuffs; Undershirts; Undervests; Stockings; Socks; Night Gowns; Dressing Gowns; Bloomers; Panties; Diapers; Slips; Petticoats; Pajamas; Sweaters; Pullovers; Cardigans; Bathrobes; Swim Suits and Trunks; Scarves; Mufflers; Neckties; Bow Ties; Kerchiefs; Handkerchiefs; Aprons; Dresses; Robes; Negligees; Kimonos; Coats; Topcoats; Overcoats; Frocks; Smocks; Raincoats; Suits; Vests; Jackets; Skirts; Trousers; Slacks; Overalls; Dungarees; Uniforms; Children's and Infants' Playsuits, Creepers, Wrapper Sets; Hats, Caps; Bonnets; Hoods, Fez; Hat Bodies; Boots; Shoes; Overshoes; Slippers and Gloves Made of Leather, Rubber, Fabrics, and of Combinations Thereof; Corsets; Brassières; Girdles; Foundation Garments; Garters; Suspenders; Braces; Belts; Hair Nets; Veils.

Ser. No. 581,770. The Jaeger Company Limited, London, England. Filed July 11, 1949. (Sec. 2f.)

JAEGER

Applicant claims ownership of Registrations Nos. 69,201, 268,493, and others.
For Infants' Underwear—Namely, Body Belts; Children's Coats, Jumpers, Cardigans, Pullover Sweaters, Slipovers, Pram Sets, Outer-Shorts, Blouses, Skirts, Hats, and Outer-Shirts; Ladies' and Men's Shoes and Slippers Made of Leather or Partly of Leather and Partly of Woollen Fabric; Ladies' Coats, Suits, Skirts, Jackets, Trousers, Gloves, Frocks, Jumpers, Cardigans, Scarves, Undervests, Panties, Union Suits, Dressing-Gowns, and Bathing Suits; and Men's Coats, Dressing-Gowns, Gloves, Pullover Sweaters, Slipovers, Cardigans, Waistcoats, Scarves, Outer-Shirts, Undervests, Underpants, Under-Shorts, Union Suits, Hose, Half Hose, Bathing Trunks, Bathing Suits, and Caps.
Claims use since June 1, 1908; and since July 1, 1922, in commerce between Great Britain and the United States.

Ser. No. 584,953. Best & Co., Inc., New York, N. Y. Filed Aug. 26, 1949. (Sec. 2f.)

THE CANNES BERET

The word "Beret" is disclaimed. Applicant claims ownership of Registration No. 350,637.
For Women's, Children's, and Men's Hats.
Claims use since Apr. 5, 1934.

Ser. No. 589,341. The Shirtcraft Company, Inc., New York, N. Y. Filed Dec. 14, 1949.

MAN-ZIP

For Outer Shirts for Men, Women, Boys, and Girls.
Claims use since Dec. 1, 1949.

Ser. No. 596,374. Dominion Corset Company, Limited, Quebec, Quebec, Canada. Filed Apr. 5, 1950.

Elliptic

Applicant claims ownership of Canadian Registration, Trade Mark Register No. 86, folio N. S. 22,461, dated Feb. 18, 1946, and United States Registration No. 433,358.
For Corsets, Girdles, Brassières and Foundation Garments.
Claims use since Nov. 15, 1945; and since Mar. 15, 1947, in commerce with the United States.

Ser. No. 602,139. Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Filed Aug. 14, 1950.

ROYAL QUALITY

The word "Quality" is disclaimed.
For Women's Hosiery.
Claims use since June 11, 1940.

Ser. No. 605,122. Seymour Hosiery Company, Newark, N. J. Filed Oct. 18, 1950. (Sec. 2f.)

SEYMOUR

For Hosiery for Women and Girls.
Claims use since Mar. 23, 1937.

Ser. No. 605,454. Gilberg Bros., Philadelphia, Pa. Filed Oct. 26, 1950.

Honey'n'Spice

For Children's Dresses.
Claims use since Oct. 3, 1950.

Ser. No. 606,442. Salant & Salant, Inc., New York, N. Y. Filed Nov. 15, 1950.

King Kole

Applicant claims ownership of Registration No. 87,487.
For Men's and Boys' Work Shirts.
Claims use since Apr. 29, 1911.

Ser. No. 606,483. Oxford Boyswear, Inc., New York, N. Y. Filed Nov. 16, 1950.

OX-DENIMS

The word "Denims" is disclaimed. Applicant claims ownership of Registration No. 377,105.
For Children's, Boys', Girls', Misses', and Women's Apparel—Namely, Overalls, Coveralls, Suits, Blouses, Blouse and Pants Combinations, Dresses; Sleeping Garments—Namely, Pajamas and Nightgowns; Playsuits and Sunsuits.
Claims use since Oct. 19, 1950.

Ser. No. 606,520. Emporium World Millinery Co., Chicago, Ill. Filed Nov. 17, 1950.

Norman Durand

"Norman Durand" is a fanciful name. Applicant claims ownership of Registration No. 416,155.
For Ladies' Hats.
Claims use since June 13, 1943.

Ser. No. 606,521. Emporium World Millinery Co., Chicago, Ill. Filed Nov. 17, 1950.

Roberta Bernays

The name "Roberta Bernays" is fanciful. Applicant claims ownership of Registration No. 416,156.
For Ladies' Hats.
Claims use since Sept. 30, 1941.

Ser. No. 607,400. Rosedale Knitting Company, Reading, Pa. Filed Dec. 7, 1950.

LONG-STEMMED BEAUTIES

For Women's Hosiery.
Claims use since Sept. 21, 1950.

Ser. No. 607,591. Sam Hootstein & Sons, Inc., Boston, Mass. Filed Dec. 12, 1950.

Yankee Town

For Men's Suits, Slacks, Jackets, Top Coats, Overcoats, Raincoats, and Sport Coats.
Claims use since Nov. 29, 1950.

Ser. No. 608,015. Pam Paterson Inc., New York, N. Y. Filed Dec. 22, 1950.

PAM PATERSON

The name "Pam Paterson" is fanciful.
For Women's, Misses', and Girls' Dresses.
Claims use since January 1938.

Ser. No. 608,078. Portland Glove Company, Carlton, Oreg. Filed Dec. 26, 1950.

PORTLAND ROSE

Applicant disclaims the word "Portland."
For Leather, Fabric, and a Combination of Leather and Fabric Gloves.
Claims use since Dec. 22, 1947.

Ser. No. 608,196. The William Carter Company, Needham Heights, Mass. Filed Dec. 29, 1950.

CARTERETTE

Applicant claims ownership of Registrations Nos. 65,969, 153,906, and 328,815.
For Women's and Children's Union Suits, Under Vests, and Under Pants.
Claims use since November 1933.

Ser. No. 608,439. Tabin-Picker & Co., Chicago, Ill. Filed Jan. 5, 1951.

Trudy Hall Jr.

The name "Trudy Hall, Jr." is fanciful. Applicant claims ownership of Registration No. 397,634.
For Women's and Misses' Dresses, Aprons, and Suits.
Claims use since June 10, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 607,234. Pioneer Merchandise Co., Philadelphia, Pa., and New York, N. Y. Filed Dec. 2, 1950.



The picture of the woman and boy displayed are fanciful. The representation of a sewing needle is disclaimed.
For Sewing Needles Sold in a Book Form.
Claims use since Oct. 1, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 561,945. Al Robbin, doing business as A. Robbin and Company, Chicago, Ill. Filed July 22, 1948.



For Fabrics—Namely, Velvets, Embroideries, Laces, and Nets.
Claims use since June 24, 1948.

Ser. No. 582,768. The Crock of Gold, Ltd., Blackrock, Eire. Filed Aug. 4, 1948.



For Woven Woolen Goods—Namely, Piece Goods, Lengths, Woven Woolen Squares, and Steamer Rugs.
Claims use since Dec. 31, 1919, in Eire; and first used in commerce between foreign nations and the United States on December 31, 1926.

Ser. No. 581,085. Sears, Roebuck and Co., Chicago, Ill. Filed June 25, 1949. (Sec. 2f.)

SERVISTWIST

Applicant claims ownership of Registrations Nos. 145,217 and 387,562.
For Textile Rugs and Carpeting.
Claims use since Sept. 16, 1936.

Ser. No. 581,591. Goldwater Bros., New York, N. Y. Filed July 7, 1949. (Sec. 2f.)

Tailor Maid
PROTECTOR

Applicant claims ownership of Registration No. 353,469.
For Pillow Covers, Blanket Covers, and Mattress Covers Made of Broadcloth and Rayon-Satin.
Claims use since Dec. 11, 1928.

Ser. No. 583,292. Tissages Rodier, Paris, France. Filed Aug. 10, 1949. (Sec. 2f as to "Rodier.")

ROD IER RODIER ROD IER

The drawing is lined for the colors red and black. Applicant claims ownership of Registrations Nos. 188,188 et al. and others, and French Registration No. 449,629, dated June 23, 1949.
For Cloths and Stuffs Made of Wool, Worsted, Cotton, Silk, Synthetic Fibers, Hair, Linen, Hemp, and Jute.
Claims use since Nov. 3, 1932; and first used in commerce between France and the United States in 1932.

Ser. No. 586,374. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.

UTC

Applicant claims ownership of Swiss Registration No. 125,494, dated May 13, 1948.
For Textile Fabrics in the Piece of Wool, Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Feb. 18, 1922; and since Feb. 18, 1922, in commerce between Switzerland and the United States.

Ser. No. 586,381. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.

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Applicant claims ownership of Swiss Registration No. 126,524, dated May 13, 1948.
For Textile Fabrics in the Piece, of Wool, Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Oct. 25, 1939; and since Oct. 25, 1939, in commerce between Switzerland and the United States.

Ser. No. 586,745. The Emporium Capwell Company, doing business as The Emporium, San Francisco, Calif. Filed Oct. 24, 1949. (Sec. 2f as to "The Emporium.")

The BIG E

For Bedspreads, Blankets, Comforters, Quilts, Sheets, Pillowcases, Quilted Mattress Protectors, Towels, Toweling, Wash Cloths, Pot Holders, Window Curtains, Shower Curtains, Drapes, Valances, Couch Throws, Textile Furniture Scarfs and Shawls, Textile Table Place Mats, Tablecloths and Napkins, Doilies, Textile Carpets and Rugs, Automobile Robes, Veiling, Textile Ribbons; Textile Fabrics, Including Buckram, Bunting, Canvas, Cheesecloth, Drilling, Duck, Elastic, Filter Cloth, Gauze, Lace, Window Shade Cloth, Waterproof Sheeting, Shelving and Shelf Edging, Stencil Cloth and Ticking, of Cotton, Silk, Wool, and Synthetic Fibers.
Claims use since May 25, 1949, as shown; and since August 1896 as to the trade-mark "The Emporium."

Ser. No. 588,054. E. W. Twitchell Incorporated, Philadelphia, Pa. Filed Nov. 18, 1949.

Textilene
Plastistrand

Applicant claims ownership of Registrations Nos. 404,925 and 428,870.
For Fabrics Woven of Plastic Coated Yarn Especially for Making Into Automobile Seat Covers.
Claims use since April 1948.

Ser. No. 588,746. J. & J. Crombie Limited, Woodside, Aberdeen, Scotland. Filed Dec. 3, 1949. (Sec. 2f as to "J. & J. Crombie Limited" and to "Crombie.")



The word "Product" is disclaimed. Applicant claims ownership of Registration No. 329,400.
For Piece Goods Composed of Wool, Worsted, or Hair.
Claims use since Dec. 1, 1933, in Great Britain; and since Dec. 1, 1933, in commerce between Great Britain and the United States.

Ser. No. 589,497. B. B. Chemical Co., Boston, Mass. Filed Dec. 17, 1949.

Duranap

For Flocked Textile Fabrics of Cotton and/or Rayon.
Claims use since Oct. 28, 1949.

Ser. No. 591,758. Wycombe, Meyer, Company, New York, N. Y. Filed Jan. 31, 1950.

trend

For Upholstery and Drapery Fabrics Made From One or More of the Following: Cotton, Wool, Linen, Silk, Chenille, and Synthetic Fibers.
Claims use since Oct. 19, 1949.

Ser. No. 591,830. California Fabric Co., Los Angeles, Calif. Filed Feb. 2, 1950.

CALISHEEN

For Woven Fabric Made of Acetate and Rayon.
Claims use since June 1948.

Ser. No. 603,135. Triboro Quilt Mfg. Corp., New York, N. Y. Filed Sept. 2, 1950.

the Stork Club

For Blankets, Quilts, Crib Spreads, and Carriage Cover Sets.
Claims use since Apr. 1, 1950.

Ser. No. 612,530. Botany Mills, Inc., Passaic, N. J. Filed Apr. 12, 1951.

500

For Woolen Piece Goods.
Claims use since 1930.

CLASS 43

THREAD AND YARN

Ser. No. 610,374. Masurel Worsted Mills, Inc., Woonsocket, R. I. Filed Feb. 21, 1951.

MANYL

For Yarns.
Claims use since Feb. 14, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 582,927. Morris Struhl, Inc., New York, N. Y., and Jersey City, N. J. Filed Aug. 3, 1949.

Choé

For Hair Dryers and Vibrators for Massaging Purposes.
Claims use since May 10, 1949.

Ser. No. 599,405. Wiltse Laboratories, Inc., New York, N. Y. Filed June 19, 1950.

NEUROMYODYNE

For Mechanical Exercising Apparatus for Neuromuscular Rehabilitation.
Claims use since Nov. 10, 1949.

Ser. No. 602,477. Ultrasonic Medical Equipment Corporation, New York, N. Y. Filed Aug. 19, 1950.

ULTRASONOR

For Medical Apparatus for Ultra-Sound Therapy Including Treatment Applicators for Contact With Body Parts To Be Sound-Treated.
Claims use since July 26, 1950.

Ser. No. 602,823. The L. D. Caulk Company, Milford, Del. Filed Aug. 28, 1950.

LUCITONE

Applicant claims ownership of Registrations Nos. 386,383, 396,707, and 370,804.
For Dental Plate Blanks.
Claims use since Feb. 7, 1939.

Ser. No. 602,824. The L. D. Caulk Company, Milford, Del. Filed Aug. 28, 1950.

LUCITONE

Applicant claims ownership of Registrations Nos. 386,383, 396,707, and 370,804.
For Acrylic Resin Denture Material.
Claims use since Mar. 1, 1940.

Ser. No. 607,212. A/S Ferrosan, Copenhagen, Denmark. Filed Dec. 2, 1950.

POLYSTAN

Applicant claims ownership of Danish Registration No. 1,155, dated Aug. 27, 1949.
For Sponges Employed by Surgeons as Filling Material in Various Operations Such as in Pneumonectomy Cases.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 599,967. Orange-Crush Company, Chicago, Ill. Filed June 29, 1950.



Applicant claims ownership of Registrations Nos. 113,902, 136,378, 187,791, 187,820, 190,821, 194,157, 194,158, 194,486, 275,988, 281,448, 294,261, 294,262, 294,658, 299,574, and 314,407.
For Non-Alcoholic, Maltless Soft Drinks and Syrups, Concentrates, and Compounds for Making the Same.
Claims use since Nov. 15, 1941.

Ser. No. 605,816. Tru-Ade, Inc., Chicago, Ill. Filed Nov. 2, 1950. (Sec. 2f as to "Tru Ade.")



Applicant claims ownership of Registrations Nos. 363,736 and 400,434.
For Non-Alcoholic, Maltless Beverage Used as a Soft Drink and Concentrates and Extracts for Preparing the Same.
Claims use since Aug. 25, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 500,565. Peer Food Products Company, Chicago, Ill. Original filed, act of 1905, Apr. 19, 1946; amended to application under act of 1946, Principal Register, Mar. 16, 1948.

PEER

Applicant claims ownership of Registration No. 402,056.
For Meat and Meat Products—Namely, Ham, Bacon, Pork Shoulder Butt, Pork Hocks, Pickled Pigs' Feet, Pigs' Feet Slices, Lamb Tongues, Frankfurters; and Olives.
Claims use since Mar. 12, 1942.

Ser. No. 513,593. Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Original filed, act of 1905, Dec. 2, 1946; amended to application under act of 1946, Principal Register, June 18, 1951.

GEM

For Cured, Boned, and Smoked Pork Products—Namely, Hams.
Claims use since Nov. 2, 1938.

Ser. No. 523,673. Imperial Garden Growers, El Centro, Calif. Original filed, act of 1905, June 6, 1947; amended to application under act of 1946, Principal Register, Nov. 18, 1950.

Mission Bell

For Fresh Melons.
Claims use since 1933.

Ser. No. 531,203. Fearn Laboratories, Inc., Franklin Park, Ill. Filed Aug. 13, 1947. (Sec. 2f.)

fearn's

For Canned Soups and Soup Bases; Vegetable Seasoning and Seasoning Compounds in Powder, Paste, and Liquid Form; Chop Suey Sauces, Powders for Making Gravies, Meat Tenderizers of Vegetable Origin, Cereal Extenders for Meats, Cereal Breakfast Foods, Gum Binders Composed Principally of Cereal Grains or Other Edible Starchy Materials or Edible Gums Used in the Manufacture of Emulsion-Type Sausage; Food Flavorings in Liquid, Paste, or Powder Form; Flavor Builders and Enrichers Containing Monosodium Glutamate, Spices and Mixed Spices for Use in Accentuating the Taste of the Food, Such as Various Types of Sausages and Meat Loaves, to Which They Are Added, and Prepared Pancake Flour.
Claims use since August 1934.

Ser. No. 537,812. Morton Salt Company, Chicago, Ill. Filed Oct. 14, 1947. (Sec. 2f.)



The drawing is lined for blue.
For Salt Brick.
Claims use since Apr. 20, 1932.

Ser. No. 539,957. Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Filed Nov. 3, 1947.

YO-SEMI-TE

For Fresh Citrus Fruits.
Claims use since 1907.

Ser. No. 541,657. The Farm Bureau Cooperative Association, Inc., Columbus, Ohio. Filed Nov. 19, 1947.



The words "Quality" and "Products" are disclaimed. The drawing is lined for red and blue. Applicant claims ownership of Registration No. 287,933.
For Pure Wheat Bran; Standard Middlings; Alfalfa Meal; Brewers' Dried Grains; Corn Gluten Feed; Corn Gluten Meal; Cottonseed Meal; Distillers' Dried Grains; Hominy Feed; Meat Scraps; Tankage, 60% Meat By-Products for Feeds; Pulverized White Oats; Soybean Oil Meal; Poultry Feeds, a Typical Formula for Which Would Contain the Following Ingredients: Wheat Bran, Wheat Standard Middlings, Yellow Corn Meal, Ground Oats, Alfalfa Meal, Soybean Oil Meal, Cane Molasses, Meat Scrap, Dried Whey, Riboflavin Supplement, Ground Limestone, Low Fluorine Rock Phosphate, Iodized Salt, Manganese Sulphate, Animal Protein Factor Supplement, Vitamin "A" Feeding Oil, D-Activated Animal Sterol; Dairy Feeds, a Typical Formula for Which Would Contain the Following Ingredients: Wheat Bran, Yellow Corn Meal, Ground Oats, Oat Mill Feed (Oat Hulls, Oat Shorts, and Oat Middlings), Brewers' Dried Grains, Corn Gluten Feed, Cottonseed Meal, Corn Distillers' Dried Grains, Alfalfa Meal, Molasses, Urea, Ground Limestone, Low Fluorine Rock Phosphate, Iodized Salt; Stock Feeds, a Typical Formula for Which Would Contain the Following Ingredients: Alfalfa Meal, Soybean Oil Meal, Linseed Oil Meal, Tankage, Molasses, Ground Limestone, Low Fluorine Rock Phosphate, Iodized Salt, Manganese Sulphate; Ingredient Feeds—Namely, Alfalfa Meal, Wheat Bran, Brewers' Dried Grains, Corn Gluten Feed, Cottonseed Meal, Distillers' Dried Grains, Distillers' Solubles, Hominy Feed, Linseed Oil Meal, Wheat Middlings, Soybean Oil Meal; Grain Goods—Namely, Whole Corn, Ground Corn, Coarse Cracked Corn, Medium Cracked Corn, Fine Cracked Corn, Whole Oats, Pulverized Oats, Rolled Oats, Reground Oat Feed; Ingredient Feeds—Namely, Fishmeal, Meat Scraps 50%, Feeding Molasses, Iodized Mixing Salt; Vitaminized Feeds; Condensed Whey Product; Miscellaneous Feeds—Namely, Granulated Salt, Medium Salt; Wheat Flour.
Claims use since Jan. 1, 1928.

Ser. No. 545,784. Standard Milling Company, Chicago, Ill. Filed Dec. 30, 1947.

XXX COMET

For Livestock and Poultry Feed Consisting Principally of Wheat Red Dog.
Claims use since 1891.

Ser. No. 547,890. E. J. Brach & Sons, Chicago, Ill. Filed Jan. 24, 1948. (Sec. 2f.)

Seakfresh

Applicant claims ownership of Registrations Nos. 257,407 and 397,672.
For Candy.
Claims use since Apr. 2, 1928.

Ser. No. 550,328. H. C. Knoke and Company, Chicago, Ill. Filed Feb. 21, 1948. (Sec. 2f.)



Applicant claims ownership of Registration No. 244,594.
For Dried Split Peas, Whole Peas, Beans, and Lentils; Pearl Barley, Buckwheat Groats, and Rice.
Claims use since Aug. 1, 1928.

Ser. No. 564,653. Benny Di Carlo, also doing business under the name and style of Di Carlo Importing Co., Brooklyn, N. Y. Filed Apr. 15, 1948.

AQUILA

For Canned Edible Olive Oil.
Claims use since June 1939.

Ser. No. 566,153. King Coffee, Inc., Detroit, Mich. Filed Sept. 30, 1948.



For Tea, Coffee, Hot Chocolate Powder, and Gelatin Powder.
Claims use since Aug. 2, 1948.

Ser. No. 567,144. H P Coffee Company, St. Louis, Mo. Filed Oct. 18, 1948.

CONTINENTAL

For Coffee.
Claims use since Oct. 18, 1906.

Ser. No. 569,443. Fernando Canning Company, Inc., San Fernando, Calif. Filed Nov. 26, 1948.

SUBURBAN

For Canned Tomatoes.
Claims use since 1902.

Ser. No. 570,128. Sweet Life Food Corporation, Maspeth, N. Y. Filed Dec. 7, 1948.

LA DOLCE VITA

The trade-mark is a literal translation in Italian of "Sweet Life." Applicant claims ownership of Registration No. 370,217.
For Tomato Paste.
Claims use since July 15, 1928.

Ser. No. 570,444. D. G. Sniff, doing business under the fictitious firm name of Sniff's, Indio, Calif. Filed Dec. 13, 1948. (Sec. 2f.)

Sniff's

For Fresh and Glazed Dates and Fresh Citrus Fruits—Namely, Oranges and Grapefruit.
Claims use since May 10, 1938.

Ser. No. 570,790. Oxnard Canners, Inc., Monterey, Calif. Filed Dec. 18, 1948.

Chunkies

For Canned Fish.
Claims use since Nov. 4, 1948.

Ser. No. 579,586. Delsoy Products, Inc., Dearborn, Mich. Filed May 27, 1949.



The word "Whip" and the pictorial representation of the goods are disclaimed.
For Cream Food Product in Liquid Form Packed Under Pressure so That It Is Automatically Whipped as It Is Ejected From the Container.
Claims use since May 2, 1949.

Ser. No. 583,703. Maconochie Brothers, Limited, London, England. Filed Aug. 19, 1949. (Sec. 2f.)

MACONOCHIE'S

Applicant claims ownership of Registration No. 506,026.
For Preserved Fish, Canned Veal and Beef Roll, Preserved Fruits, Preserved Vegetables; Fish and Meat Pastes, Canned Soups, Pickles; Brown Fruit Sauce Composed of Tomatoes, Vinegar, Dates, Sugar, and Apples With Other Ingredients, Food Flavoring Essences, and Plum Pudding.
Claims use since 1870 in Great Britain; and since 1910 in commerce between Great Britain and the United States.

Ser. No. 584,887. Armour and Company, Chicago, Ill. Filed Sept. 16, 1949.

BEE-CEE

For Dressed Calves.
Claims use since Aug. 4, 1949.

Ser. No. 585,435. Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Filed Sept. 28, 1949.

TUNAFRANKS

For Prepared Fish in Sausage Form.
Claims use since Aug. 30, 1949.

Ser. No. 586,418. Mead Johnson & Company, Evansville, Ind. Filed Oct. 17, 1949.

DALACTUM

For Food Product in Fluid Form Made From Whole Milk, Skim Milk, Maltose, and Dextrin With Added Vitamin D, Providing a High Protein, Low Fat Formula for Infants.
Claims use since Aug. 29, 1949.

Ser. No. 587,944. Glaser, Crandell Co., Chicago, Ill. Filed Nov. 17, 1949. (Sec. 2f.)

GLASER

For Fruit Preserves, Jellies, and Marmalades; Pickles—Namely, Sweet Pickles, Gherkin Pickles, and Dill Pickles; Relishes—Namely, Sweet Relish, Corn Country Relish, Cucumber Relish, and Pickle Spread; Chow Mein Noodles; Bean Sprouts; Sauces—Namely, Hot Sauce, Soy Sauce, Barbeque Sauce, Worcestershier Sauce, and Steak Sauce.
Claims use since Dec. 18, 1930.

Ser. No. 588,051. Societe Anonyme Georges Lesieur & Ses Fils, Paris, France. Filed Nov. 18, 1949.

Bel Canto

Applicant claims ownership of French Registration No. 393,280, dated Apr. 7, 1949.
For Butter, Cheese, Edible Fats and Oils, Vinegar, Table Salt; Condiments—Namely, Pepper, Paprika and Spices, and Culinary Herbs; Yeast, Ice Cream, and Olive Oil.

Ser. No. 589,844. The East Asiatic Company, Inc., San Francisco, Calif. Filed Dec. 23, 1949.

Eaco

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Nectars, Dried Fruits.
Claims use since July 27, 1949.

Ser. No. 590,607. Oscar Mayer & Co., Inc., Chicago, Ill. Filed Jan. 10, 1950.



"Oscar Mayer" is the name of the founder of the applicant corporation, whose consent is of record. Applicant claims ownership of Registrations Nos. 274,828, 293,780, and 367,069.
For Ham, Bacon, Lard, Fresh Pork, Wieners, Pork Sausage, Liver Sausage, Pork and Beef Sausage, Bologna, Smoked Pork Shoulder, Smoked Pork Shoulder Butts, Meat Loaf, Scrapple, Fresh Beef, Canned Beef, Canned Pork, Canned Luncheon Meat, Canned Wieners, Beef Carcasses, Olive Loaf, Blood and Tongue Pudding, Head Cheese, Pickle and Pimiento Loaf, Liverwurst, Canned Beef With Barbeque Sauce, Summer Sausage, Sandwich Spread, Baked Loaf, Salami, Smoked Pork Sausage, and Boneless Cooked Ham.
Claims use since Feb. 16, 1948.

Ser. No. 592,311. Crispo Biscuit Company, Inc., Clifton, N. J. Filed Feb. 11, 1950. (Sec. 2f.)

Crispo

For Wafers, Cakes, Crackers, and Biscuits.
Claims use since 1901.

Ser. No. 592,773. Palmer C. Mendelson Co., San Francisco, Calif. Filed Feb. 20, 1950.

Creme de Menthe

For Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since Apr. 13, 1946.

Ser. No. 593,000. Halo-Star Corporation, Oak Park, Ill. Filed Feb. 24, 1950.

Halo-Star

For Candy.
Claims use since July 1, 1949.

Ser. No. 593,417. H. Kohnstamm & Co., Inc., New York, N. Y. Filed Mar. 4, 1950.

HERCULES

Applicant claims ownership of Registration No. 58,407.
For Food Colors.
Claims use since Mar. 1, 1931.

Ser. No. 596,034. Meyer M. Levin, doing business as Carolina Yam Distributors, Williamston, N. C. Filed Apr. 20, 1950.



The representation of the goods is disclaimed.
For Fresh Sweet Potatoes.
Claims use since Jan. 15, 1950.

Ser. No. 599,024. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed June 13, 1950.

TasteTells

For Canned Fruits.
Claims use since Aug. 15, 1928.

Ser. No. 599,869. Good Humor Corporation, Brooklyn, N. Y. Filed June 28, 1950.

Humorette

Applicant claims ownership of Registrations Nos. 190,701, 269,425, and others.
For Frozen Confection Bars.
Claims use since May 22, 1950.

Ser. No. 603,027. Max Skolnick, doing business under the name of Hi-Jolly Date Gardens, Mesa, Ariz. Filed Aug. 31, 1950.

HI-JOLLY

For Canned and Dry Packed Dates.
Claims use since Sept. 1, 1948.

Ser. No. 603,770. Cudahy Brothers Co., doing business under the name and style of "Cudahy of Cudahy," Cudahy, Wis. Filed Sept. 20, 1950.

ROASTIES

For Smoked Pork Sausage.
Claims use since June 1949.

Ser. No. 605,815. Tonasket Ellis-Forde Growers, Inc., Tonasket, Wash. Filed Nov. 2, 1950.

Chief TONASKET

The word "Tonasket" is disclaimed.
For Fresh Apples.
Claims use since September 1925.

Ser. No. 605,948. Foremost Dairies, Inc., Jacksonville, Fla. Filed Nov. 6, 1950.



The drawing is lined for red and silver.
For Ice Cream Bars.
Claims use since Apr. 28, 1950.

Ser. No. 606,115. Baton Rouge Rice Mill, Inc., Baton Rouge, La. Filed Nov. 9, 1950.



The lines shown represent red and blue; however, no claim as to color is made. "Chiquita" is a Spanish word of endearment meaning "pretty girl," "cute little girl," or "sweetheart." The words "Rexora Rice" are disclaimed.
The picture of the girl is fanciful.
For Milled Rice.
Claims use since Aug. 30, 1950.

Ser. No. 606,358. Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Filed Nov. 14, 1950.



For Frozen Fresh Green Peas.
Claims use since Nov. 1, 1950.

Ser. No. 606,481. Northfield Cheese Corporation, New York, N. Y. Filed Nov. 16, 1950.

HILLVIEW

For Cheese Food.
Claims use since Nov. 1, 1950.

Ser. No. 606,482. Northfield Cheese Corporation, New York, N. Y. Filed Nov. 16, 1950.

NORTHVIEW

For Cheese Food.
Claims use since Nov. 1, 1950.

Ser. No. 607,130. August C. Kirchoff & Co., Chicago, Ill. Filed Nov. 30, 1950.

DANISTAR

For Cheese.
Claims use since June 20, 1950.

Ser. No. 607,540. G. E. Conkey Co., Cleveland, Ohio. Filed Dec. 11, 1950.

BANQUET

For Dog Food.
Claims use since Jan. 3, 1950.

Ser. No. 607,657. The Amalgamated Sugar Company, Ogden, Utah. Filed Dec. 14, 1950.

AMALGAMAIZE

For Blend of Sucrose and Corn Syrup Which Is Sold to the Food Industry.
Claims use since Aug. 1, 1950.

Ser. No. 608,079. Edward J. Pryor, Santa Maria, Calif. Filed Dec. 26, 1950.

STARBOARD

For Fresh Vegetables.
Claims use since Nov. 30, 1950.

Ser. No. 608,080. Edward J. Pryor, Santa Maria, Calif. Filed Dec. 26, 1950.

VALENTINE

For Fresh Vegetables.
Claims use since Nov. 30, 1950.

Ser. No. 608,147. Choice Foods, Inc., Minneapolis, Minn. Filed Dec. 28, 1950.

JOLLY BAKER

For Prepared Doughnut Mix.
Claims use since Oct. 13, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 559,191. Up-Right, Inc., Berkeley, Calif. Filed June 14, 1948.

UP-RIGHT

For Scaffolds and Ladders.
Claims use since Feb. 12, 1947.

Ser. No. 566,445. Acrow (Engineers) Limited, London, England. Filed Oct. 5, 1948.

ACROMINIUM

Applicant claims ownership of British Registration No. 657,124, dated Mar. 10, 1947.
For Scaffolding, Clips and Putlogs for Use Therewith; Props and Trestles; All for Use in Building and Construction.

Ser. No. 588,640. The Gem-O-Graph Company, New York, N. Y., assignor to The Gem-O-Graph Corporation of America, Inc., New York, N. Y. Filed Dec. 1, 1949.

GEM - O - GRAPH

The word "Gem" is disclaimed.
For Display and Advertising Devices, Combining a Backing Sheet for Holding Gems, a Frame Therefor, and the Gems Themselves.
Claims use since Nov. 18, 1949.

Ser. No. 590,160. Kaye-Tex Manufacturing Corp., New York, N. Y. Filed Dec. 30, 1949.

VYFLEX

For Plastic Film in Sheet Form Which Is a Substitute for Leather for Making Into Luggage, Belts, Handbags, Upholstery, and the Like.
Claims use since Nov. 15, 1949.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 585,427. Charles of the Ritz, Inc., New York, N. Y. Filed Sept. 28, 1949.

French Provincial

The word "French" is disclaimed.
For Toilet Water.
Claims use since Sept. 10, 1949.

Ser. No. 585,784. Leonardo Alfredo Daniele, doing business as Dani Company, Williamsport, Pa. Filed Oct. 5, 1949.



"Dani" Creme

The portrait is that of Miss Libby V. Testa, and consent is given. The word "Creme" is disclaimed.
For Medicated Cream for Application to the Skin of the Face, Body, and Feet, for the Treatment of Irritations, Rashes, Galling, or Sores, and for Use as a Base for Powder, Rouges, and Other Cosmetics.
Claims use since Sept. 13, 1949.

Ser. No. 587,247. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York. Filed Nov. 3, 1949.

TEMPLE FIRE

For Lipstick and Nail Lacquer.
Claims use since Sept. 26, 1949.

Ser. No. 588,358. Gabriel Chagin, doing business as G. Chagin & Cia, Barranquilla, Colombia. Filed Oct. 29, 1949.

SEXOLYN

Applicant claims ownership of Colombian Registration No. 11,089, dated Sept. 29, 1938.
For Toilet Preparation for the Intimate Hygiene of Women.

Ser. No. 592,637. The Andrew Jergens Company, Cincinnati, Ohio. Filed Feb. 17, 1950.

DENTOCILLIN

Applicant claims ownership of Registration No. 438,705.
For Tooth Powder.
Claims use since Feb. 4, 1946.

Ser. No. 596,557. Bymart, Inc., Dover, Del., and New York, N. Y. Filed Apr. 29, 1950.

Tintair

For Home Hair Coloring.
Claims use since Apr. 15, 1950.

Ser. No. 597,258. Marion Fields, Beverly Hills, Calif. Filed May 11, 1950.

BAL DE TETE

For Perfumes and Toilet Waters.
Claims use since Jan. 31, 1950.

Ser. No. 597,666. Clersanges, Societe a Responsabilite Limitee, Colombes, Seine, France. Filed May 18, 1950.

CLERSANGES

For Perfume, Cologne, Toilet Water, Brilliantine; Lotion for Hands, Skin, and Face.
Claims use since May 1949 in France; and first used in commerce between France and the United States on Mar. 24, 1950.

Ser. No. 597,959. Richard Hudnut, New York, N. Y. Filed May 23, 1950.

BEAUTY UNLIMITED

The word "Beauty" is disclaimed.
For Rouge and Creme Makeup Base.
Claims use since Apr. 28, 1950.

Ser. No. 598,663. John N. McMath Co., doing business as Lloyd Sargent, New Rochelle and New York, N. Y. Filed June 6, 1950.

Popularity Kit

Applicant disclaims the word "Kit."
For Face and Hand Lotions, Creams, Powder, and Rouge in Kit Outfits.
Claims use since Dec. 15, 1937.

Ser. No. 603,495. Morton Manufacturing Corp., doing business under the name and style of Chap Stick Co., Lynchburg, Va. Filed Sept. 13, 1950.

Sofair

For Liquid Shaving Cream.
Claims use since May 25, 1950.

Ser. No. 604,419. Clairol Incorporated, Stamford, Conn. Filed Oct. 4, 1950.

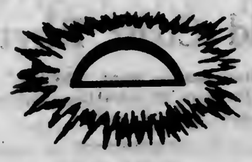


The drawing is lined for the color orange.
For Hair Tinting and Coloring Preparations.
Claims use since Mar. 1, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 543,235. R. R. Street & Co., Inc., Chicago, Ill. Filed Dec. 3, 1947.



The drawing is lined for shading.
For Dry Cleaning Compound.
Claims use since Mar. 4, 1937.

Ser. No. 591,077. Ferro Chemical Corporation, Bedford, Ohio. Filed Jan. 19, 1950.

HYPODYNE

For Synthetic Detergents Composed Largely of Dispersing and Surface Active Agents for Use as Detergents, Thickening Aids, Wetting and Dispersing Agents, Grinding Aids, Plastisol Dispersants, High Polymer Modifiers, Softeners and Foaming Agents.
Claims use since Sept. 30, 1949.

Ser. No. 607,588. Goodenow-Morley Company, Oklahoma City, Okla. Filed Dec. 12, 1950.

Flyon

For Water or Waterless Hand Cleaning Preparation.
Claims use since May 1, 1950.

Ser. No. 607,601. Primrose House, Inc., Indianapolis, Ind. Filed Dec. 12, 1950.



For Cream Shampoo.
Claims use since July 1, 1946.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 559,667. Airborne Instruments Laboratory, Inc., Mineola, N. Y. Filed June 19, 1948.



The words "Airborne Instruments Laboratory Inc." are disclaimed.
For Engineering and Research Services for the Airplane, Radar, Communication, and Telemetering Industries in the Design and Development of Ground and Airborne Antennas, Electronic Apparatus, Measuring Equipment, and the Like.
Claims use since June 19, 1946.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 556,893. Jefferson Standard Broadcasting Company, doing business as Radio Station WBT, Charlotte, N. C. Filed May 12, 1948.

THE BRIARHOPPERS

For Advertising and Entertainment Services Through the Medium of Radio Program Broadcasts in the Nature of Music and Comments.
Claims use since Sept. 1, 1935.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 494,501. General Finance Corporation, Chicago, Ill. Original filed, act of 1905, Jan. 9, 1946; amended to application under act of 1946, Principal Register, July 5, 1947. (Sec. 2f.)



The words "Buyers Plan" are disclaimed.
For Automobile Purchase Finance and Loan Services.
Claims use since March 1939.

Ser. No. 567,739. Glens Falls Insurance Company, Glens Falls, N. Y. Filed Oct. 21, 1948.

Glens Falls

The drawing is lined for the color red.
For Underwriting Fire, Marine, and Casualty Insurance.
Claims use since 1897.

Ser. No. 588,798. Graphic Arts Disability Plan, Inc., New York, N. Y. Filed Dec. 5, 1949.



The word "Hospitalization" is disclaimed. The drawing is lined for the color green.

For Underwriting of Hospitalization and Health and Accident Insurance.

Claims use since Jan. 15, 1947.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 527,389. George Javor, Chicago, Ill. Filed July 5, 1947.

FRIGIDWELD

For Repairing Cracked Castings.

Claims use since Sept. 11, 1946.

Ser. No. 529,755. C. Fritz Hoelser, New York, N. Y. Filed July 28, 1947. (Sec. 2f.)



For Conservation of Paintings—Namely, Cleaning and Treating the Paint Film and the Canvas With Chemicals for the Purpose of Preservation.

Claims use since 1909.

Ser. No. 586,059. Pacific Airmotive Corporation, Burbank, Calif. Filed Oct. 10, 1949.



For Repair, Maintenance, and Overhaul of Aircraft and Aircraft Engines, and Components Thereof.

Claims use since Feb. 8, 1944.

Ser. No. 609,765. Kleinsway, Inc., Chicago, Ill. Filed Dec. 16, 1950.



The words "Custom Fur Cleaning" are disclaimed.

For Cleaning of Furs and Fur Garments.

Claims use since 1935.

CLASS 104

COMMUNICATION

Ser. No. 549,888. Columbia Broadcasting System, Inc., New York, N. Y. Filed Feb. 17, 1948.

Gold Coast Rhythm

Applicant disclaims the word "Rhythm."

For Radio Program Broadcasting Services.

Claims use since June 18, 1945.

Ser. No. 549,894. Columbia Broadcasting System, Inc., New York, N. Y. Filed Feb. 17, 1948.

Red River Valley Gang

For Radio Program Broadcasting Services.

Claims use since Apr. 1, 1941.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 556,893. Jefferson Standard Broadcasting Company, doing business as Radio Station WBT, Charlotte, N. C. Filed May 12, 1948. (Classified in Class 101.)

THE BRIARHOPPERS

For Advertising and Entertainment Services Through the Medium of Radio Program Broadcasts in the Nature of Music and Comments.

Claims use since Sept. 1, 1935.

Ser. No. 579,231. F. Burr Tillstrom, Chicago, Ill. Filed May 20, 1949.

KUKLA, FRAN AND OLLIE

For Entertainment Services in Nature of Puppet Television Programs.

Claims use since January 1948.

Ser. No. 586,830. World Adventure Series, Incorporated, Detroit, Mich. Filed Oct. 25, 1949.



For Lecturing on Experiences, Places, and Events of Interest Throughout the World Through the Medium of Radio and Illustrated Television Program Broadcasts.

Claims use since Oct. 1, 1933.

Ser. No. 588,906. Jack Strausberg, Chicago, Ill. Filed Dec. 6, 1949.

Now I'll Tell One -

Applicant claims ownership of Registration No. 431,848.

For Entertainment Service in the Nature of Stories To Be Rendered Through the Medium of Radio and Television.

Claims use since July 1, 1947.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,557. Motor Lubricating Oils and Lubricating Greases. Panhandle Refining Company, Inc., Wichita Falls, Tex., assignor to Panhandle Producing & Refining Company, a corporation of Delaware.
Filed May 31, 1946, Serial No. 503,117. Published June 12, 1951. Class 15.

444,558. Unit for Feeding Infants Consisting of a Feeding Tray, Knife, Fork, Spoon, Cup, Plate, and Napkin Ring. Englishtown Cutlery, Ltd., New York, N. Y.
Filed Aug. 13, 1946, Serial No. 507,304. Published June 5, 1951. Class 50.

444,559. Bed Side Rails Used To Hold Together the Head Board and Foot Board of a Bed and To Furnish a Resting Place for Slats, Springs, and Mattress. Keystone Iron & Metal Company, also known as Keystone Iron & Metal Co., Williamsport, Pa.
Filed Oct. 10, 1946, Serial No. 510,599. Published June 5, 1951. Class 32.

444,560. Brattice Cloth, Canvas, Duck, and Cab Curtain Canvas in Rolls; Waterproofed Fabrics of Cotton and Burlap; and Hot Pan Holders. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,744. Published June 12, 1951. Class 42.

444,561. Brattice Cloth, Canvas, Duck, and Cab Curtain Canvas in Rolls; Waterproofed Fabrics of Cotton and Burlap; and Hot Pan Holders. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,745. Published June 12, 1951. Class 42.

444,562. Burlap; Canvas; Duck; Waterproofed Fabrics of Cotton and Burlap; Cab Curtain Canvas in Rolls; Hot Pan Holders, and Brattice Cloth. The Lehon Company, Chicago, Ill.
Filed Apr. 15, 1947, Serial No. 520,746. Published June 12, 1951. Class 42.

444,563. Women's Hats and Hat Bodies. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y.
Filed July 2, 1947, Serial No. 525,651. Published May 22, 1951. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

547,683. Flexible, Translucent, Sheet Material Colored Red and Used as a Substitute for Glass in Light Admitting Openings. Harold Warp, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill., assignor to Flex-O-Glass, Inc., Chicago, Ill., a corporation of Illinois.
Original filed, act of 1905, Apr. 1, 1944; amended to application under act of 1946, Principal Register, Jan. 19, 1949, Serial No. 468,932. Published June 12, 1951. Class 50.

547,684. Large Walk-In Metal Freight Shipping Containers for Handling Primarily Less Than Carload Freight by Ship, Rail, and Truck. Leathem D. Smith Shipbuilding Co., Sturgeon Bay, Wis.
Original filed, act of 1905, Mar. 13, 1946; amended to application under act of 1946, Principal Register, Dec. 3, 1947, Serial No. 498,176. Published Aug. 8, 1950. Class 2.

547,685. Bedroom Suites, Bunk Beds, Etc. Sun-Glow Industries, Inc., Mansfield, Ohio.
Original filed, act of 1905, May 3, 1946; amended to application, under act of 1946, Principal Register, Sept. 11, 1947, Serial No. 501,422. Published June 19, 1951. Class 32.

547,686. Woolen Piece Goods. Wawak Company, Inc., doing business as Ferris Woolen Co., Chicago, Ill., assignor to Ferris Woolen Company, Chicago, Ill., a corporation of Illinois.
Original filed, act of 1905, June 12, 1946; amended to application under act of 1946, Principal Register, Jan. 8, 1949, Serial No. 503,779. Published June 12, 1951. Class 42.

547,687. Perfumery, Toilet Water, Cologne. Société à Responsabilité Limitée Balenciaga, Paris, France.
Original filed, act of 1905, Mar. 7, 1947; amended to application under act of 1946, Principal Register, July 28, 1950, Serial No. 518,703. Published May 29, 1951. Class 51.

547,688. Outer Shirts and Collars. Dunlap Clothes Shop, Cincinnati, Ohio.
Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, Sept. 2, 1948, Serial No. 519,382. Published Apr. 17, 1951. Class 39.

547,689. Machinery and Machine Parts—Namely, Finished and Substantially Finished Rolls, Etc. Armstrong Cork Company, Lancaster, Pa.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 24, 1948, Serial No. 524,933. Published June 5, 1951. Class 23.

547,690. Bicycles. D. P. Harris Hardware & Manufacturing Co., Inc., New York, N. Y.
Original filed, act of 1905, June 27, 1947; amended to application under act of 1946, Principal Register, Feb. 10, 1950, Serial No. 524,983. Published May 29, 1951. Class 19.

547,691. Potatoes in Their Natural State. C. C. Chapman, Inc., Naples, N. Y.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, May 19, 1950, Serial No. 525,786. Published May 1, 1951. Class 46.

547,692. Peanut Butter, Jellies, Fruit Preserves, Chili Sauce, Vinegar, Marshmallow Creme, Worcestershire Sauce, and Coffee. The Oakford Company, Peoria, Ill.
Filed July 28, 1947, Serial No. 529,815. Published June 26, 1951. Class 46.

547,693. Beer. Jacob Leinenkugel Brewing Company, Chippewa Falls, Wis.
Filed Aug. 4, 1947, Serial No. 530,410. CONCURRENT USE. Published June 19, 1951. Class 48.

547,694. Dried Whey for Poultry and Livestock Feed. Western Condensing Company, San Francisco, Calif.
Filed Aug. 8, 1947, Serial No. 530,877. Published May 1, 1951. Class 46.

547,695. Garment Racks, Display Racks, Display Mirrors, Tables, Etc. American Fixture and Manufacturing Co., St. Louis, Mo.
Filed Aug. 9, 1947, Serial No. 530,899. Published June 19, 1951. Class 32.

547,696. Overalls, Dungarees, Jumpers, Pants, Shirts, Long Coats, Jackets, and Aprons for Men, Women, and Children. M. Hoffman & Co. Inc., Boston, Mass.
Filed Aug. 15, 1947, Serial No. 531,475. Published June 5, 1951. Class 39.

547,697. Smoked Turkey, Smoked Ham, Smoked Bacon, Smoked Sausage. Forst Packing Company, Inc., Kingston, N. Y.
Filed Aug. 20, 1947, Serial No. 531,907. Published May 15, 1951. Class 46.

547,698. Medicinal Preparation in Liquid Form for External Application in the Treatment of Eczema of Mycotic Origin in Domestic Animals. Brookfield Laboratories, Brookfield, Ill.
Filed Aug. 27, 1947, Serial No. 532,552. Published Feb. 17, 1948. Class 18.

547,699. Russian Dressing, Mayonnaise, Tartar Sauce, Etc. Schmidt Bros., Buffalo, N. Y.
Filed Sept. 12, 1947, Serial No. 534,374. Published Apr. 24, 1951. Class 46.

547,700. Woolen and Mixtures of Woolen and Rayon Fabrics for Women's Dress Goods and Cloakings, and for Men's Wear. J. P. Stevens & Co., Inc., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,388. Published June 12, 1951. Class 42.

547,701. Bevels, Bit Braces, Chisels, Die Stocks, Non-Electrical Soldering Irons, Etc. Western Auto Supply Company, Kansas City, Mo.
Filed Oct. 2, 1947, Serial No. 536,567. Published May 1, 1951. Class 23.

547,702. Telephone Receiving and Transmitting Instruments. Ipeophon Patentgesellschaft A. G., Glarus, Switzerland.
Filed Oct. 7, 1947, Serial No. 537,766. Published June 12, 1951. Class 21.

547,703. Cosmetics Consisting of Cleansing Creme, Night Creme, Shampoo, Hand Creme, Hair Creme, and Cologne. Renée Frelon, Inc., Chicago, Ill.
Filed Dec. 23, 1947, Serial No. 538,222. Published May 29, 1951. Class 51.

547,704. Beer. Jos. Schlitz Brewing Company, Milwaukee, Wis.
Filed Nov. 14, 1947, Serial No. 541,195. Published June 19, 1951. Class 48.

547,705. Steel Bath Room Cabinets—Namely, Medicine and Utility Cabinets; Steel Kitchen Cabinets—Namely, Base, Wall, Linen, Broom, Open Shelf, and Storage Cabinets, and Fillers for Such Kitchen Cabinets. United Metal Box Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1947, Serial No. 544,939. Published June 5, 1951. Class 32.

547,706. Steel Bath Room Cabinets—Namely, Medicine and Utility Cabinets, Etc. United Metal Box Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1947, Serial No. 544,941. Published June 5, 1951. Class 32.

547,707. Canned Frozen Citrus Juices for Food Purposes. California Consumers Corporation, Los Angeles, Calif.
Filed Dec. 26, 1947, Serial No. 545,438. Published May 15, 1951. Class 46.

547,708. Fast Drying and Hard Setting, and Non-Hardening and Pliable Adhesive in Paste and Liquid Form Used in the Automotive Industry for Keeping Gaskets in Place. Permatex Company, Inc., Sheepshead Bay and Brooklyn, N. Y.
Filed Jan. 13, 1948, Serial No. 546,869. Published May 29, 1951. Class 5.

547,709. Young Men's Suits, Topcoats, Overcoats, Sport Coats, and Slacks. Federated Department Stores, Inc., Cincinnati, Ohio, assignee of The John Shillito Company.
Filed Jan. 16, 1948, Serial No. 547,288. Published June 12, 1951. Class 39.

547,710. Office Furniture Comprising Chairs Constructed Mainly of Wood and Upholstery. The Sikes Company, Buffalo, N. Y.
Filed Jan. 21, 1948, Serial No. 547,671. Published June 12, 1951. Class 32.

547,711. Coffee, Tea, a Preparation of Cocoa, Etc. Boyd Coffee Company, Portland, Oreg.
Filed Feb. 2, 1948, Serial No. 548,570. Published June 19, 1951. Class 46.

547,712. Swim Suits for Adults. Cole of California, Inc., Los Angeles, Calif.
Filed Feb. 2, 1948, Serial No. 548,577. Published June 19, 1951. Class 39.

547,713. Bedding and Furniture—Namely, Daybeds, Studio Couches, Box Springs, and Bed Coil Springs. Norfolk Mattress Company, Inc., Norfolk, Va.
Filed Feb. 16, 1948, Serial No. 549,831. Published June 5, 1951. Class 32.

547,714. Kits Containing Tools, Plans, Patterns, Instructions and Materials for Use in Leather Working, Metal Craft, Wood Working, and Model Building. American Handicrafts Company, Inc., East Orange, N. J.
Filed Feb. 21, 1948, Serial No. 550,283. Published June 5, 1951. Class 50.

547,715. Medicinal Preparation for the Treatment of Sinus Condition, Hay Fever, Head Cold, Nasal Congestion, Etc. Stuart-Chase Co., North Bergen, N. J.
Filed Mar. 8, 1948, Serial No. 551,493. Published Aug. 17, 1948. Class 18.

547,716. Seat Covers for Automobiles. The Cussins and Fearn Company, Columbus, Ohio.
Filed Mar. 10, 1948, Serial No. 551,620. Published May 29, 1951. Class 19.

547,717. Medicinal Ointment for the Treatment of Psoriasis, Etc. Patrick and Hudson Drug Co., Bladensburg, Md.
Filed Mar. 16, 1948, Serial No. 552,080. Published Nov. 2, 1948. Class 18.

547,718. Artificial Teeth. Universal Dental Company, Philadelphia, Pa.
Filed Mar. 25, 1948, Serial No. 553,035. Published June 12, 1951. Class 44.

547,719. Kits Containing Implements, Supplies, and Instructions for the Repairing of Books, Particularly Book Bindings. Gaylord Bros., Inc., Syracuse, N. Y.
Filed Mar. 30, 1948, Serial No. 553,355. Published June 19, 1951. Class 50.

547,720. Radio and Television Sets. Stromberg-Carlson Company, Rochester, N. Y.
Filed Mar. 30, 1948, Serial No. 553,419. Published June 12, 1951. Class 21.

547,721. Necktles. M. & D. Simon Company Incorporated, Cleveland, Ohio.
Filed Mar. 31, 1948, Serial No. 553,530. Published June 12, 1951. Class 39.

547,722. Fire Brick. Laclede-Christy Co. of Pa., Osceola Mills, Pa.
Filed Apr. 14, 1948, Serial No. 554,579. Published May 29, 1951. Class 12.

547,723. Foundry Supplies—Namely, Core Binders, Adhesive Core Mold Washes, and Core Pastes. The Oliess Core Binder Company, Cleveland, Ohio.
Filed Apr. 30, 1948, Serial No. 555,953. Published May 22, 1951. Class 5.

547,724. Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists. All-Steel Equipment Inc., Aurora, Ill.
Filed May 8, 1948, Serial No. 556,522. Published May 22, 1951. Class 12.

547,725. Ice Cream. The Borden Company, New York, N. Y.
Filed May 8, 1948, Serial No. 556,552. Published May 15, 1951. Class 46.

547,726. Men's and Boys' Dress, Negligee, and Work Shirts. Marlboro Shirt Company, Inc., Baltimore, Md.
Filed May 11, 1948, Serial No. 556,805. Published Nov. 14, 1950. Class 39.

547,727. Metal Cutting and Grinding Machines, Taps, Drills, Etc. Niles-Bement-Pond Company, West Hartford, Conn.
Filed May 15, 1948, Serial No. 557,153. Published June 5, 1951. Class 23.

547,728. Desks, Chests of Drawers, Vanity Chairs, Night Tables, Dinette Furniture Sets (Namely, Chairs and Tables), Etc. Superior Sleeprite Corporation, Chicago, Ill.
Filed May 17, 1948, Serial No. 557,224. Published June 19, 1951. Class 32.

547,729. Posting Machines for Preparing Accounting Records. Edgar M. McNabb, doing business as Special Products Company, Indianapolis, Ind.
Filed June 9, 1948, Serial No. 558,801. Published May 1, 1951. Class 23.

547,730. Galley Units, Parts, Supplies, and Equipment Employed in the Preparation, Cooking, Preservation, and Serving of Food, Etc. REF Manufacturing Corporation, Mineola, N. Y.
Filed June 9, 1948, Serial No. 558,811. Published June 12, 1951. Class 32.

547,731. Toilet Creams. Emil J. Walker, doing business as Estro Products Co., Los Angeles, Calif.
Filed June 11, 1948, Serial No. 559,075. Published June 5, 1951. Class 51.

547,732. Group A—Furniture Slip Covers, Venetian Blinds, Etc. Sears, Roebuck and Co., Chicago, Ill.
Filed June 16, 1948, Serial No. 559,341. Published June 5, 1951. Class 32.

547,733. Alloy Steel. Allegheny Ludlum Steel Corporation, Brackenridge and Pittsburgh, Pa.
Filed June 17, 1948, Serial No. 559,485. Published June 26, 1951. Class 14.

547,734. Germicides; Bleaching Compositions; Caustic Alkalis; Etc. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed June 23, 1948, Serial No. 560,045. Published May 22, 1951. Class 6.

547,735. Permanent Home Wave Kits Comprising Liquid Hair Set and Hair Curlers. Home Wave Inc., Newark, N. J.
Filed July 7, 1948, Serial No. 560,815. Published June 12, 1951. Class 44.

547,736. Household and Office Furniture, Etc. Caro-Craft, Inc., Rocky Mount, N. C.
Filed July 13, 1948, Serial No. 561,227. Published June 19, 1951. Class 32.

547,737. Open-Top Racks or Cases Having Adjustable and Removable Record Receiving Trays. Watson Manufacturing Company, Inc., Jamestown, N. Y.
Filed Aug. 16, 1948, Serial No. 563,508. Published Mar. 13, 1951. Class 32.

547,738. Toilet Waters. Lenthéric Incorporated, New York, N. Y.
Filed Aug. 25, 1948, Serial No. 564,133. Published June 12, 1951. Class 51.

547,739. Desks, Desks Having Movable Supports for Typewriters and Similar Devices, Drawers, Tops, Slides and Movable Supports for Desks. Clemco Desk Manufacturing Co. Inc., Bloomfield, Ind., assignee of Clemco Desk Mfg. Co.
Filed Sept. 18, 1948, Serial No. 565,414. Published June 12, 1951. Class 32.

547,740. Perfume, Eau de Cologne Deodorant, Toilet Creams, Throat and Neck Oil, Etc. Barbara Gould, Inc., New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,134. Published May 29, 1951. Class 51.

547,741. Perfume, Eau de Cologne Deodorant, Toilet Creams, Etc. Barbara Gould, Inc., New York, N. Y.
Filed Sept. 30, 1948, Serial No. 566,135. Published May 29, 1951. Class 51.

547,742. Polish for Leather Goods. Barton Manufacturing Company, St. Louis, Mo.
Filed Oct. 15, 1948, Serial No. 567,016. Published June 12, 1951. Class 4.

547,743. Automobiles and Bodies Thereof. General Motors Corporation, Detroit, Mich.
Filed Oct. 20, 1948, Serial No. 567,257. Published May 29, 1951. Class 19.

547,744. Men's, Women's, and Children's Shoes of Leather and Fabric. William Hahn & Company, Washington, D. C.
Filed Nov. 2, 1948, Serial No. 568,149. Published June 12, 1951. Class 39.

547,745. Industrial Uniforms—Viz., Men's Work Shirts, Trousers, Coveralls, Coats, Jackets, and Caps. The Watson-Scott Company, Inc., Thomasville, Ga.
Filed Nov. 5, 1948, Serial No. 568,290. Published June 5, 1951. Class 39.

547,746. Ladies' Watches and Watch Movements. American Jewelry Distributors, Inc., New York, N. Y.
Filed Oct. 12, 1948, Serial No. 568,479. Published Feb. 28, 1950. Class 27.

547,747. Perfumes, Eau de Cologne, and Toilet Water. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed Nov. 12, 1948, Serial No. 568,600. Published Nov. 8, 1949. Class 51.

547,748. Mechanical Vibrating Screens. Productive Equipment Corporation, Chicago, Ill.
Filed Nov. 19, 1948, Serial No. 569,098. Published June 5, 1951. Class 23.

547,749. Mechanical Vibrating Screens. Productive Equipment Corporation, Chicago, Ill.
Filed Nov. 19, 1948, Serial No. 569,099. Published June 5, 1951. Class 23.

547,750. Oxhide Leather. Kitchin & Company Limited, Leeds, England.
Filed Dec. 10, 1948, Serial No. 570,750. Published June 12, 1951. Class 1.

547,751. Suede Leathers, Chrome Leather for the Uppers of Boots and Shoes. Kitchin & Company, Limited, Leeds, England.
Filed Dec. 10, 1948, Serial No. 570,751. Published June 12, 1951. Class 1.

547,752. Bedroom Furniture—Namely, Beds, Dressers, Chests of Drawers, Night Tables, Vanity Tables, and Vanity Table Benches; and Dining Room Furniture—Namely, Dining Room Tables, Dining Room Chairs, Buffets, and China Cabinets. Morgan Furniture Company, Asheville, N. C.
Filed Dec. 27, 1948, Serial No. 571,155. Published June 5, 1951. Class 32.

547,753. Metallic Closures for Containers of the Jar and Glass Bottle Type. Crown Cork Specialty Corporation, St. Louis, Mo.
Filed Nov. 24, 1948, Serial No. 571,393. Published June 12, 1951. Class 50.

547,754. Genuine, Cultured and Imitation Pearls; Jewelry for Personal Adornment Not Including Watches—Namely, Necklaces, Etc. Thomas Long Company, Boston, Mass.
Filed Dec. 2, 1948, Serial No. 571,692. Published May 29, 1951. Class 28.

547,755. Synthetic Rubber, Particularly Isobutylene/Isoprene Copolymers, Etc. Polymer Corporation Limited, Sarnia, Canada.
Filed Jan. 6, 1949, Serial No. 571,744. Published May 22, 1951. Class 1.

547,756. Men's, Women's and Children's Wearing Apparel—Namely, Men's Suits, Hats, Neckties, Pajamas, Shirts, Jackets, Sport Coats, Overcoats, Sweat Shirts; Boys' Pajamas, Sweat Shirts, T Shirts; Children's T Shirts; Women's T Shirts and Headscarfs. Campbell-Bell, Inc., Fayetteville, Ark.
Filed Dec. 14, 1948, Serial No. 572,790. Published June 12, 1951. Class 39.

547,757. Metal Trims Comprising Metal Moldings for Walls and Floors, Etc. Metal Trims, Incorporated, Youngstown, Ohio.
Filed Jan. 27, 1949, Serial No. 572,909. Published June 5, 1951. Class 12.

547,758. Perfumes and Toilet Waters. Parfum L'Orle, Inc., New York, N. Y.
Filed Jan. 28, 1949, Serial No. 572,997. Published May 29, 1951. Class 51.

547,759. Ladies' Dresses. Adrian Tabin Corporation, Chicago, Ill.
Filed Feb. 1, 1949, Serial No. 573,153. Published June 5, 1951. Class 39.

547,760. Milking Machine Equipment—a Unitary Apparatus Consisting of Inflation Tubes, Gaskets, Inflation Enclosing Tubes, and Teat Cups. Gunnar E. Anderson, Randolph, N. Y.
Filed Feb. 12, 1949, Serial No. 573,750. Published June 5, 1951. Class 23.

547,761. Furniture—Namely, Tables, Chairs, Benches, and Stands. Herman Gundlach, Inc., Houghton, Mich.
Filed Feb. 16, 1949, Serial No. 573,942. Published June 5, 1951. Class 32.

547,762. Bedroom Furniture—Namely, Dresser and Mirror, Chest, Chest on Chest, Vanity and Mirror, Bed, Bench, Chair, Night Table. Youngsville Star Mfg. Co., Youngsville, Pa.
Filed Dec. 13, 1948, Serial No. 574,268. Published June 12, 1951. Class 32.

547,763. Furniture for Living Room, Dining Room, Bedroom, Kitchen, Porch and Garden, Etc. The May Department Stores Company, St. Louis, Mo., doing business under the name of Kaufmann Department Stores, Pittsburgh, Pa.
Filed Feb. 24, 1949, Serial No. 574,441. Published June 19, 1951. Class 32.

547,764. Solder. Kester Solder Company, Chicago, Ill.
Filed Mar. 3, 1949, Serial No. 574,843. Published June 29, 1951. Class 14.

547,765. Motor Cars, Motorcycles, Three-Wheeled Motor Cars and Trucks, Etc. Piaggio & Co. Società per Azioni, Genoa, Italy.
Filed Mar. 8, 1949, Serial No. 575,088. Published May 29, 1951. Class 19.

547,766. Motor Cars, Motorcycles, Three-Wheeled Motor Cars and Trucks, Etc. Piaggio & Co. Società per Azioni, Genoa, Italy.
Filed Mar. 8, 1949, Serial No. 575,089. Published May 29, 1951. Class 19.

547,767. Toothpaste. Hughes & Carroll, Prescott, Ariz.
Filed Mar. 14, 1949, Serial No. 575,410. Published May 29, 1951. Class 51.

547,768. Liquid Preparation for Polishing and Cleaning Furniture, Floors, and Any Wood, Painted Cement, and Composition Surfaces. Herman G. Strauss, doing business as Velva-Sheen Co., Denver, Colo.
Filed Mar. 17, 1949, Serial No. 575,607. Published June 12, 1951. Class 4.

547,769. Wall Mirrors, Mirror Frames, Picture Frames, Consoles, Decorative Shelves, Wall Brackets, Wall Pockets, Book Ends, and Decorative Columns in the Nature of Pedestals. Niepold's, Washington, D. C.
Filed Mar. 21, 1949, Serial No. 575,776. Published June 19, 1951. Class 32.

547,770. Ladies', Children's and Infants' Wear—Namely, Dresses, Etc. Jack H. Kelman, New York, N. Y., and Philadelphia, Pa.
Filed Feb. 23, 1949, Serial No. 575,739. Published June 19, 1951. Class 39.

547,771. Sulphur in Powder Form Used in the Vulcanization of Rubber and for General Use in the Industrial Arts. Southern Acid & Sulphur Company, Incorporated, St. Louis, Mo., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia.
Filed Mar. 26, 1949, Serial No. 576,148. Published June 12, 1951. Class 6.

547,772. Power Operated Ground Clearing and Working Implements—Namely, Brush and Weed Cutters. Marden Manufacturing Company, Auburndale, Fla.
Filed Apr. 1, 1949, Serial No. 576,465. Published June 5, 1951. Class 23.

547,773. Water Treating Compounds for Use in Low Pressure Evaporators. Hagan Corporation, Pittsburgh, Pa.
Filed Apr. 4, 1949, Serial No. 576,582. Published June 12, 1951. Class 6.

547,774. Men's Outer Shirts. The Manhattan Shirt Company, New York, N. Y.
Filed Apr. 16, 1949, Serial No. 577,277. Published May 22, 1951. Class 39.

547,775. Sleevings Formed From Textile Fiber for Electrical Insulation. Providence Braid Company, Pawtucket, R. I.
Filed Apr. 23, 1949, Serial No. 577,593. Published June 19, 1951. Class 21.

547,776. Fountain Brushes. Rose Marie Pfister, doing business as Western Home Products Co., Buffalo, N. Y.
Filed May 5, 1949, Serial No. 578,281. Published June 12, 1951. Class 29.

547,777. Mink Pelts. Mutation Mink Breeders Association, Elkhorn, Wis.
Filed May 12, 1949, Serial No. 578,697. Published June 19, 1951. Class 1.

547,778. Automatic Pipette Washers, and Water Baths Used in the Preparation of Histological Specimens. The Technicon Company, New York, N. Y.
Filed May 12, 1949, Serial No. 578,741. Published Feb. 13, 1951. Class 26.

547,779. Waxes and Emulsifiers for Use in the Manufacture of Polishes, Etc. Abril Corporation (Gt. Britain) Limited, London, England.
Filed May 13, 1949, Serial No. 578,754. Published June 12, 1951. Class 6.

547,780. Dental and After-Shaving Creams, Face Powders, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Mouth Wash, Lip Sticks, Eyebrow Pencils, Bath Salts, and Brilliantine. S. H. Kress and Company, New York, N. Y.
Filed Apr. 29, 1949, Serial No. 578,853. Published June 12, 1951. Class 51.

547,781. Excavating, Trench, or Ditch Digging Machines. The Parsons Company, Newton, Iowa.
Filed May 18, 1949, Serial No. 579,053. Published June 5, 1951. Class 23.

547,782. Disinfectant Having Also a Deodorising and Bleaching Effect Particularly for Skin and Mucous-Membrane Hygiene. Istituto Farmaco-Biologico Raffaello Pagni, Florence, Italy.
Filed May 19, 1949, Serial No. 579,103. Published May 22, 1951. Class 18.

547,783. Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper for Frozen Confections. Joe Lowe Corporation, New York, N. Y.
Filed May 19, 1949, Serial No. 579,116. Published Feb. 13, 1951. Class 2.

547,784. Rotary, Vane Type Gas Compressors, Air Compressors, and Vacuum Pumps. J. C. Buckbee Company, Los Angeles, Calif.
Filed May 20, 1949, Serial No. 579,167. Published May 29, 1951. Class 23.

547,785. Therapeutic Preparation—Namely, a Vaginal Cream Used in the Treatment of Specific and Non-specific Vaginitides. Ortho Pharmaceutical Corporation, Raritan, N. J.
Filed May 23, 1949, Serial No. 579,350. Published May 29, 1951. Class 18.

547,786. Packages of Solid Fuel Containing Kindling Material. Landell Manufacturing Company, Los Angeles, Calif.
Filed May 28, 1949, Serial No. 579,691. Published May 29, 1951. Class 1.

547,787. Fabricated Aluminum and Aluminum Alloys Provided With an Integral Chemically Treated Surface. Westinghouse Electric Corporation, Pittsburgh, Pa.
Filed June 1, 1949, Serial No. 579,847. Published June 26, 1951. Class 14.

547,788. Automobiles. Crosley Motors, Inc., Cincinnati, Ohio.
Filed June 16, 1949, Serial No. 580,582. Published May 29, 1951. Class 19.

547,789. Weed Control Preparation Consisting of a Mixture of Borax, Sodium Pentaborate, Sodium Chlorate, and a Minor Percentage of Inert Ingredients. Pacific Coast Borax Company, Los Angeles, Calif., assignor to Borax Consolidated, Limited, London, England, a corporation of Great Britain and Northern Ireland.
Filed June 28, 1949, Serial No. 581,206. Published Mar. 13, 1951. Class 6.

547,790. Furniture for the Home, Office, Hotel and Club, Etc. Kittinger Company, Inc., Buffalo, N. Y.
Filed July 1, 1949, Serial No. 581,424. Published June 5, 1951. Class 32.

547,791. Neckwear To Be Worn in Place of a Necktie. Cub-Tie Corp., New York, N. Y.
Filed July 9, 1949, Serial No. 581,710. Published June 19, 1951. Class 39.

547,792. Side Panels for Automobile Bodies Adapted to Give Automobiles the Appearance of "Station Wagons." Michael R. Bellucci, Brooklyn, N. Y.
Filed July 13, 1949, Serial No. 581,853. Published May 15, 1951. Class 19.

547,793. Germicidal Preparation or Solution for the Treatment of Diapers and Children's Clothing, Etc. Mark Laboratories, Inc., Pittsburgh, Pa.
Filed July 27, 1949, Serial No. 582,570. Published June 12, 1951. Class 6.

547,794. Depilatory. Carter Products, Inc., New York, N. Y.
Filed July 28, 1949, Serial No. 582,598. Published June 12, 1951. Class 51.

547,795. Watches and Watch Movements. Juillerat Freres Societe Anonyme, Berne, Switzerland.
Filed Aug. 6, 1949, Serial No. 583,098. Published June 12, 1951. Class 27.

547,796. Cushions for Seats, Backs and Arms of Furniture, Etc. Sleepmaster Products Company, Inc., Newark, N. J.
Filed Aug. 8, 1949, Serial No. 583,174. Published June 5, 1951. Class 32.

547,797. Toilet Soap and Laundry Soap. Consolidated Cosmetics, Chicago, Ill.
Filed Aug. 9, 1949, Serial No. 583,192. Published June 12, 1951. Class 52.

547,798. Cleaning Compounds—Namely, Synthetic Alkaline Detergents, Acid Type Cleaners and Bottle Washing Compounds Which Contain a High Amount of Caustic. Rulon Laboratories, Inc., Burlington, Iowa.
Filed Aug. 10, 1949, Serial No. 583,295. Published May 29, 1951. Class 52.

547,799. Articles of Wearing Apparel Intended for Use by Welders, Etc. National Cylinder Gas Company, Chicago, Ill.
Filed Aug. 13, 1949, Serial No. 583,444. Published June 19, 1951. Class 39.

547,800. Electrical Switches—Namely, Automatic, Manual, Etc. The Arrow-Hart & Hegeman Electric Company, Hartford, Conn.
Filed Aug. 15, 1949, Serial No. 583,462. Published June 19, 1951. Class 21.

547,801. Pillows. Edson, Incorporated, Chicago, Ill.
Filed Aug. 19, 1949, Serial No. 583,682. Published June 19, 1951. Class 32.

547,802. Leather. The Griess-Pfleger Tanning Co., Waukegan, Ill.
Filed Aug. 19, 1949, Serial No. 583,691. Published June 12, 1951. Class 1.

547,803. Sportswear—Namely, Leather and Cloth Jackets. Rubin Grais & Sons, Chicago, Ill.
Filed Aug. 24, 1949, Serial No. 583,926. Published June 19, 1951. Class 39.

547,804. Adhesive-Coated Reinforcing Tape. B. B. Chemical Co., Boston, Mass.
Filed Aug. 27, 1949, Serial No. 584,103. Published May 22, 1951. Class 5.

547,805. Knitted Sweaters, Jackets, Underwear, Stockings, Gloves, for Women, Men, and Children; Knitted Dresses for Women and Children. Luchsinger's Handelsgesellschaft Amsterdam Filiale Zuerich, Zurich, Switzerland.
Filed Aug. 27, 1949, Serial No. 584,144. Published June 19, 1951. Class 39.

547,806. Power Driven Transfer Machines Employed in Transferring Labels From a Movable Carrier to Hosiery by the Application of Heat. Paramount Textile Machinery Co., Chicago, Ill.
Filed Aug. 30, 1949, Serial No. 584,248. Published June 5, 1951. Class 23.

547,807. Leather. Albert Trostel & Sons Company, Milwaukee, Wis.
Filed Aug. 31, 1949, Serial No. 584,301. Published June 19, 1951. Class 1.

547,808. Hair-Tonic and Shampoo. Guy L. Turner, doing business as Guy L. Turner Mfg. Co., Boise, Idaho.
Filed Sept. 1, 1949, Serial No. 584,364. Published June 5, 1951. Class 51.

547,809. Bougie and the Like Containing a Compound for Treatment of Mammary Glands for Veterinary Use Only. Francis E. Martin, doing business under the name of "Martin Laboratories," West Chester, Pa.
Filed Sept. 9, 1949, Serial No. 584,629. Published June 5, 1951. Class 18.

547,810. Power-Driven Portable Machines for Mixing Cement, Sand, Concrete, and Like Materials. Concrete Limited, Strood, Kent, England.
Filed Sept. 20, 1949, Serial No. 585,055. Published May 1, 1951. Class 23.

547,811. Automobile Accessory Trim—Namely, Wheel Armor or Trim Rings and Gravel Deflectors for Fenders. Swanney, McDonald & Williams, Los Angeles, Calif.
Filed Oct. 3, 1949, Serial No. 585,728. Published May 29, 1951. Class 19.

547,812. Perfume, Toilet Waters, Lipsticks, Face Powders, Toilet Creams, and Rouge and Foundation Powder. Les Parfums de Dana, Inc., New York, N. Y.
Filed Oct. 8, 1949, Serial No. 586,006. Published June 12, 1951. Class 51.

547,813. Men's and Boys' Suits, Coats, Overcoats, Topcoats, Outer Shirts, Vests, Trousers, Knickerbockers, and Breeches. Hart Schaffner & Marx, Chicago, Ill.
Filed Oct. 10, 1949, Serial No. 586,053. Published June 12, 1951. Class 39.

547,814. Carts in the Nature of Dollies Used To Transport Vacuum Cleaners. Car-Ree-All Products, Inc., Minneapolis, Minn.
Filed Sept. 1, 1949, Serial No. 586,220. Published May 29, 1951. Class 19.

547,815. Ornamental Valance Units Consisting of a Front Panel or Plate, End Brackets, Light Supporting Fixtures, and Curtain or Drapery Supporting Fixtures. Virginius H. Goodman, Richmond, Va.
Filed Oct. 14, 1949, Serial No. 586,277. Published June 5, 1951. Class 32.

547,816. Men's Furnishings—Namely, Fabric Gloves, Etc. C. R. Anthony Company, Oklahoma City, Okla.
Filed Oct. 18, 1949, Serial No. 586,457. Published June 19, 1951. Class 39.

547,817. Costume Jewelry Made With or Plated With Precious Metals—Namely, Earrings, Necklaces, Lapel Pins, Bracelets, Brooches, and Pendants. Anthony Novelty Co., Inc., Providence, R. I.
Filed Oct. 19, 1949, Serial No. 586,512. Published Apr. 17, 1951. Class 28.

547,818. Watch Straps. Ebert & Company, Brooklyn, N. Y.
Filed Oct. 19, 1949, Serial No. 586,530. Published June 12, 1951. Class 28.

547,819. Chemical Disinfectant Used To Destroy Microorganisms, Deodorant for Neutralizing or Destroying Offensive Odors, Etc. Stanley Home Products, Inc., Westfield, Mass.
Filed Oct. 19, 1949, Serial No. 586,553. Published June 5, 1951. Class 6.

547,820. Rotary Pumps; Worm Reduction Gearing. De Laval Steam Turbine Company, New York, N. Y.
Filed Oct. 21, 1949, Serial No. 586,629. Published June 5, 1951. Class 23.

547,821. Shaving Sticks and Face Creams. John Lusty Limited, London, England.
Filed Oct. 24, 1949, Serial No. 586,755. Published June 12, 1951. Class 51.

547,822. Dinette Sets Consisting of Chairs and Tables. The Holabird Company, Bryan, Ohio.
Filed Nov. 1, 1949, Serial No. 587,109. Published June 5, 1951. Class 32.

547,823. Cleaning, Sterilizing, and Bleaching Compound. Aime H. Paradis, doing business as Plane Bleach Co., Manchester, N. H.
Filed Nov. 1, 1949, Serial No. 587,130. Published May 29, 1951. Class 52.

547,824. Chemical Cleanser and Disinfectant for Toilet Bowls and Urinals. Sanipro Corporation of America, Incorporated, Brooklyn, N. Y., now by change of name Fry Corporation of America, a corporation of Delaware.
Filed Nov. 8, 1949, Serial No. 587,509. Published June 12, 1951. Class 52.

547,825. Pessaries. Larre' Laboratories, Inc., Denver, Colo.
Filed Nov. 14, 1949, Serial No. 587,735. Published June 12, 1951. Class 44.

547,826. Ladies' and Misses' Corsets, Corselettes, Brassières, Bandeaux, and Panties, All Made of Cotton Fabrics. Femode Foundations, Inc., New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,211. Published June 19, 1951. Class 39.

547,827. Ladies' and Misses' Corsets, Corselettes, Brassières, Bandeaux, and Panties. Femode Foundations, Inc., New York, N. Y.
Filed Nov. 23, 1949, Serial No. 588,212. Published June 19, 1951. Class 39.

547,828. Young Men's Clothing—Namely, Outer Shirts, Etc. Wieboldt Stores, Inc., Chicago, Ill.
Filed Nov. 26, 1949, Serial No. 588,418. Published May 22, 1951. Class 39.

547,829. Men's and Boys' Coats, Men's and Boys' Trousers, Riding Breeches, and Lumberjacks. Oberman & Company, Jefferson City, Mo., and New York, N. Y.
Filed Oct. 27, 1949, Serial No. 588,989. Published June 12, 1951. Class 39.

547,830. Real and Costume Jewelry and Jewelers' Findings, Etc. Parco Mfg., Inc., Providence, R. I.
Filed Dec. 8, 1949, Serial No. 589,039. Published June 19, 1951. Class 28.

547,831. Unitary Apparatus for the Recovery of Oils and Liquids From Seeds, Etc. The V. D. Anderson Company, Cleveland, Ohio.
Filed Dec. 12, 1949, Serial No. 589,189. Published June 5, 1951. Class 23.

547,832. Watches, Watch Movements, and Parts Thereof. B. Weinstein, Inc., Chicago, Ill.
Filed Dec. 14, 1949, Serial No. 589,352. Published May 29, 1951. Class 27.

547,833. Preparation for Treating Kidney, Bladder, and Prostate Gland Ailments. The Maggie Lyons Mfg. Co., Minden, La.
Filed Dec. 15, 1949, Serial No. 589,387. Published May 29, 1951. Class 18.

547,834. Tableware, Kitchenware, Vases, Bowls, Tankards, Teaboxes, and Flower Boxes Made of China Ware, Etc. Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden.
Filed Dec. 16, 1949, Serial No. 589,411. Published May 8, 1951. Class 30.

547,835. Tableware, Kitchenware, Vases, Bowls, Tankards, Teaboxes, and Flower Boxes Made of China Ware, Bone China, Faience, Stone-Ware, Earthen-Ware, Crockery, Porcelain, Pottery, and Other Ceramics. Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden.
Filed Dec. 16, 1949, Serial No. 589,412. Published May 8, 1951. Class 30.

547,836. Load Carrier Comprising a Pair of Center Pivoted, Intersecting Bars Having Upturned, Cushioned Ends With Casters, Etc. Parker Perry Company, Lyndhurst, N. J.
Filed Dec. 23, 1949, Serial No. 589,866. Published Feb. 6, 1951. Class 19.

547,837. Watches, Watch Cases, and Watch and Clock Movements. Adams Watch, Inc., New York, N. Y.
Filed Dec. 27, 1949, Serial No. 589,941. Published May 29, 1951. Class 27.

547,838. Jewelry for Personal Wear Not Including Watches, Etc. Adams Watch, Inc., New York, N. Y.
Filed Dec. 27, 1949, Serial No. 589,942. Published May 29, 1951. Class 28.

547,839. Concentrated Chemical Compound in Capsule Form Containing Blends of Wetting Elements for Sanitary Cleaning and Washing. Aquadyne Corporation, New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,414. Published June 19, 1951. Class 52.

547,840. Bottle Stoppers. Vaughan Mfg. Co., Chicago, Ill.
Filed Jan. 12, 1950, Serial No. 590,709. Published June 19, 1951. Class 50.

547,841. Set of Wheels With Brackets Therefor To Be Removably Attached to Luggage, Such as Suitcases and the Like. MacArthur Products, Inc., Springfield, Mass.
Filed Jan. 17, 1950, Serial No. 590,986. Published Feb. 6, 1951. Class 19.

547,842. Indicating, Recording, and Controlling Instruments—Namely, Electrical Meters, Etc. The Bristol Company, Waterbury, Conn.
Filed Jan. 18, 1950, Serial No. 591,014. Published May 8, 1951. Class 26.

547,843. Sheeting, Sheets, and Pillowcases. Utica and Mohawk Cotton Mills, Inc., Utica, N. Y.
Filed Jan. 18, 1950, Serial No. 591,056. Published June 12, 1951. Class 42.

547,844. Aluminum Cases for Travelling Purposes. By-Lo Mfg. Inc., Chicago, Ill.
Filed Jan. 24, 1950, Serial No. 591,352. Published June 5, 1951. Class 3.

547,845. Men's and Boys' Sport Shirts and Sweaters. Sweet Manufacturing Co., Dallas, Tex.
Filed Jan. 26, 1950, Serial No. 591,528. Published May 22, 1951. Class 39.

547,846. Pillows Made of Rubber Latex. Bland Charnas Co., Inc., Yonkers, N. Y.
Filed Jan. 30, 1950, Serial No. 591,666. Published June 5, 1951. Class 32.

547,847. Children's Wearing Apparel—Namely, Suits, Etc. L. Abelson & Son, Inc., New York, N. Y.
Filed Jan. 31, 1950, Serial No. 591,708. Published June 5, 1951. Class 39.

547,848. Tableware, Kitchenware, Vases, Bowls, Tankards, Tea-Boxes, and Flower Boxes Made of China Ware, Bone China, Faience, Stone-Ware, Earthen-Ware, Crockery, Porcelain; Pottery, and Other Ceramics. Aktiebolaget Gustavsbergs Fabriker, Gustavsberg, Sweden.
Filed Feb. 9, 1950, Serial No. 592,180. Published May 29, 1951. Class 30.

547,849. Fuel Oil, Road Oil, Stove Oil, Diesel Oil, Lubricating Oil, and Greases Derived From Petroleum. Signal Oil Company, Los Angeles, Calif.
Filed Feb. 11, 1950, Serial No. 592,340. Published June 12, 1951. Class 15.

547,850. Necklaces, Bracelets, Finger Rings, Earrings, Jewelry Clips, Brooches, Lockets. Coro, Inc., New York, N. Y.
Filed Feb. 16, 1950, Serial No. 592,550. Published May 29, 1951. Class 28.

547,851. Automobile Seat Covers. Daniel C. Larkin, doing business under the assumed name of The Crest Company, Detroit, Mich.
Filed Feb. 18, 1950, Serial No. 592,711. Published May 29, 1951. Class 19.

547,852. Portable Novelty and Children's Electrically Operated Phonographs, Radios, and Phonograph and Radio Combinations. Major Electronics Co., Brooklyn, N. Y.
Filed Feb. 20, 1950, Serial No. 592,769. Published June 19, 1951. Class 21.

547,853. Children's Apparel Made of Woven and Knitted Fabrics—Namely, Creepers, Suits, Polo Shirts, Outer Shorts, Slacks, Overalls, Jackets, and Outer Shirts. The Carltona Co., Inc., New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,871. Published May 22, 1951. Class 39.

547,854. Pearl Earrings. Weinreich Brothers Company, New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,960. Published June 19, 1951. Class 28.

547,855. Perfumes, Face Powder, Bath Salts, and Essences, Tooth Paste, Hair Oil, Eau de Cologne, Bath Oils, Bath Powder, Toilet Water, Skin Lotions, Facial Creams, Lipstick, Rouge. The Abietsan Manufacturing Company Limited, London, England.
Filed Feb. 24, 1950, Serial No. 592,968. Published May 22, 1951. Class 51.

547,856. Ladies', Men's, and Children's Hosiery. Fashion Knit Hosiery Company, Inc., Cleveland, Ohio.
Filed Apr. 3, 1950, Serial No. 595,127. Published June 19, 1951. Class 39.

547,857. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Feb. 17, 1950, Serial No. 593,633. Published May 8, 1951. Class 27.

547,858. Ash-Handling Apparatus—Namely, Ash Conveyor Conduits, Etc. Beaumont Birch Company, Philadelphia, Pa.
Filed Mar. 11, 1950, Serial No. 593,776. Published June 5, 1951. Class 23.

547,859. Refined De-Waxed Flake Shellac. F. H. Paul & Stein Bros., Inc., New York, N. Y.
Filed Mar. 14, 1950, Serial No. 593,929. Published June 5, 1951. Class 1.

547,860. Cotton Planting Seed. John D. Rogers, doing business under the trade name of Jno. D. Rogers, Navasota, Tex.
Filed Jan. 16, 1950, Serial No. 593,951. Published May 8, 1951. Class 1.

547,861. Clocks. General Motors Corporation, Detroit, Mich.
Filed Mar. 16, 1950, Serial No. 594,039. Published June 19, 1951. Class 27.

547,862. Boys' and Girls' Clothing—Namely, Western Jeans, Trousers, and Jackets. Walls Manufacturing Co., Inc., Cleburne, Tex.
Filed Mar. 21, 1950, Serial No. 594,344. Published May 22, 1951. Class 39.

547,863. Fluorescent Lamp Ballasts and Transformers. Advance Transformer Co., Chicago, Ill.
Filed Mar. 22, 1950, Serial No. 594,348. Published June 19, 1951. Class 21.

547,864. Perfumes, Lipsticks, Face Powders, Colognes, Toilet Waters, Rouges, and Face and Hand Creams and Lotions. Cordell Products Inc., New York, N. Y.
Filed Mar. 24, 1950, Serial No. 594,521. Published May 22, 1951. Class 51.

547,865. Dressed Goat Skins. John Holt & Company, Inc., New York, N. Y.
Filed Mar. 24, 1950, Serial No. 594,544. Published May 22, 1951. Class 1.

547,866. Bristles for Use in the Manufacture of Brushes. Compagnie Optorg, Saigon, Indo-China.
Filed Mar. 28, 1950, Serial No. 594,761. Published May 29, 1951. Class 1.

547,867. Children's Dresses. Joanne Kiddy Dress Manufacturing Co., Chicago, Ill.
Filed Mar. 29, 1950, Serial No. 594,844. Published June 12, 1951. Class 39.

547,868. Rug Pads and Rug Padding. Allied Stores Corporation, New York, N. Y.
Filed Apr. 1, 1950, Serial No. 595,044. Published June 12, 1951. Class 50.

547,869. Lubrication Equipment for Farm Use, Specifically Grease Guns and Pumps. Balcrank, Inc., Cincinnati and Disney near Marburg, Cincinnati, Ohio.
Filed Apr. 8, 1950, Serial No. 595,443. Published June 5, 1951. Class 23.

547,870. Watches and Parts of Watches. R. Lapanouse "Rego" Uhr AG., Bubendorf, Bale-Campagne, Switzerland.
Filed Apr. 13, 1950, Serial No. 595,669. Published May 29, 1951. Class 27.

547,871. Woven and Non-Woven Ornamented Fabrics, Etc. George E. Mousley, Inc., New York, N. Y.
Filed Apr. 20, 1950, Serial No. 596,042. Published June 5, 1951. Class 50.

547,872. Antiseptic Preparation for the Relief of Athlete's Foot. Eugene D. Millaway, doing business under the name P. D. G. Products, Inc., Burlington, N. C.
Filed Apr. 25, 1950, Serial No. 596,292. Published June 5, 1951. Class 18.

547,873. Pharmaceutical Preparation Having Antispasmodic and Sedative Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,580. Published June 5, 1951. Class 18.

547,874. Pharmaceutical Preparation for Use Whenever a Tonic Is Indicated. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,581. Published May 29, 1951. Class 18.

547,875. Pharmaceutical Preparation Having Antiemetic and Gastric Sedative Actions, and Suggested to Alleviate Nausea and Check Vomiting. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,583. Published May 29, 1951. Class 18.

547,876. Pharmaceutical Preparation Designed for Use as a Hematinic and Having Iron and Copper as Its Main Active Ingredients. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,587. Published June 5, 1951. Class 18.

547,877. Pharmaceutical Preparation Having Anodyne Expectorant and Bronchial Sedative Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,589. Published May 29, 1951. Class 18.

547,878. Pharmaceutical Preparation Indicated for Treatment of Impetigo Contagiosa, Etc. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,590. Published June 5, 1951. Class 18.

547,879. Children's Sunsuits. Hi-Line Co., Inc., New York, N. Y.
Filed May 2, 1950, Serial No. 596,723. Published June 5, 1951. Class 39.

547,880. Disposable Cleaning Swab Pads and Handles and Holders Therefor. Dorothy F. Rodgers, New York, N. Y., assignor, by mesne assignments, to Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.
Filed May 2, 1950, Serial No. 596,754. Published June 12, 1951. Class 29.

547,881. Disposable Cleaning Swab Pads and Handles and Holders Therefor. Dorothy F. Rodgers, New York, N. Y., assignor, by mesne assignments, to Personal Products Corporation, North Brunswick Township, N. J., a corporation of New Jersey.
Filed May 2, 1950, Serial No. 596,755. Published June 12, 1951. Class 29.

547,882. Automobile Air and Rain Deflectors. Kastar Incorporated, New York, N. Y.
Filed May 6, 1950, Serial No. 597,001. Published May 29, 1951. Class 19.

547,883. Automobile Air and Rain Deflectors. Kastar Incorporated, New York, N. Y.
Filed May 6, 1950, Serial No. 597,002. Published May 29, 1951. Class 19.

547,884. Canned Fruits. D. B. Bercison & Co., San Francisco, Calif.
Filed May 8, 1950, Serial No. 597,057. Published May 15, 1951. Class 46.

547,885. Wood Pulp Used in the Manufacture of Urea Formaldehyde and Melamine Resin Molding Compounds. Canadian International Paper Company, Montreal, Quebec, Canada.
Filed May 8, 1950, Serial No. 597,064. Published May 8, 1951. Class 1.

547,886. Butter, Cheese, Fluid Milk, Fluid Sweet Cream, and Fluid Sour Cream. L. Daitch & Co., Inc., New York, N. Y.
Filed May 9, 1950, Serial No. 597,132. Published May 15, 1951. Class 46.

547,887. Central Nervous System Stimulant and Appetite Depressant. Maltbie Laboratories, Inc., Newark, N. J.
Filed May 10, 1950, Serial No. 597,213. Published June 5, 1951. Class 18.

547,888. Laundry Detergent Used in Automatic Washing Machines. Abso-Clean Chemical Company, Detroit, Mich.
Filed May 16, 1950, Serial No. 597,482. Published May 29, 1951. Class 52.

547,889. Raw and Expanded Vermiculite. American Vermiculite Corporation, New York, N. Y.
Filed May 17, 1950, Serial No. 597,571. Published May 29, 1951. Class 1.

547,890. Brushes, Comb, and Mirror Sets, Composed of Plastics, Nonprecious Metals, and Other Materials Other Than Precious Metals. Tek Hughes, Inc., New York, N. Y., now by change of name Autograf Brush & Plastics Co. Incorporated, a corporation of New York, assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey.
Filed May 17, 1950, Serial No. 597,614. Published Dec. 26, 1950. Class 40.

547,891. Slacks for Men, Women, Boys, and Girls. Terrislak, Inc., New York, N. Y.
Filed May 22, 1950, Serial No. 597,921. Published June 12, 1951. Class 39.

547,892. Slacks for Men, Women, Boys, and Girls. Terrislak, Inc., New York, N. Y.
Filed May 22, 1950, Serial No. 597,922. Published June 12, 1951. Class 39.

547,893. Men's and Boys' Clothing—Namely, Suits, Sport Coats, Topcoats, and Slacks. Hardwick Woolen Mills, Inc., Cleveland, Tenn.
Filed May 26, 1950, Serial No. 598,181. Published June 12, 1951. Class 39.

547,894. Oleomargarine, Salad Dressing, and Sandwich Spread. Standard Brands Incorporated, New York, N. Y.
Filed May 26, 1950, Serial No. 598,212. Published May 15, 1951. Class 46.

547,895. Sterling Silver Flatware and Hollow Ware. The Ellmore Silver Co., Inc., Meriden, Conn.
Filed May 27, 1950, Serial No. 598,246. Published June 12, 1951. Class 28.

547,896. Sterling Silver, Silver Plated and Silver Mounted Flatware and Hollow Ware. Greatrex Ltd., New York, N. Y.
Filed May 31, 1950, Serial No. 598,361. Published May 29, 1951. Class 28.

547,897. Corsets and Foundation Garments. Crescent Corset Company, Inc., Cortland, N. Y.
Filed June 3, 1950, Serial No. 598,523. Published June 19, 1951. Class 39.

547,898. Automobile Wax and Floor Wax in Liquid, Paste, or Powdered Form for Polishing Purposes. Alpha Chemical Co., Inc., Baltimore, Md.
Filed May 22, 1950, Serial No. 598,562. Published June 12, 1951. Class 4.

547,899. Infants', Children's, and Boys' Apparel—Namely, Coats, Suits, Jumpers, Slacks, Play Shorts, Dresses, Sport Shirts, Hats, and Sport Coats. Saks & Company, New York, N. Y.
Filed June 5, 1950, Serial No. 598,605. Published June 12, 1951. Class 39.

547,900. Steering Wheel Controls, Gear Shift Knobs, Sun Visors, Wheel Discs, and Hub Caps. The Calnevar Company, Los Angeles, Calif.
Filed June 7, 1950, Serial No. 598,702. Published May 29, 1951. Class 19.

547,901. Carts in the Nature of Dollies Used to Transport Vacuum Cleaners. Car-Ree-All Products, Inc., Minneapolis, Minn.
Filed June 7, 1950, Serial No. 598,703. Published May 29, 1951. Class 19.

547,902. Carts in the Nature of Dollies Used to Transport Vacuum Cleaners. Car-Ree-All Products, Inc., Minneapolis, Minn.
Filed June 7, 1950, Serial No. 598,704. Published May 29, 1951. Class 19.

547,903. Skin Creams, Skin Lotions, Personal Deodorants, Scalp Conditioners, and Hair Conditioners, Especially for Use of Expectant Mothers. Maternity Cosmetics, Inc., Rochester, N. Y.
Filed June 7, 1950, Serial No. 598,737. Published May 29, 1951. Class 51.

547,904. Slacks for Men and Young Men. Esquire Sportswear Co., New York, N. Y.
Filed June 9, 1950, Serial No. 598,840. Published June 19, 1951. Class 39.

547,905. Men's, Women's, Boys', and Girls' Dungarees. Patterson Manufacturing Company, Miami, Okla.
Filed June 10, 1950, Serial No. 598,925. Published June 12, 1951. Class 39.

547,906. Non-Electric Blankets. Mercantile Stores Co., Inc., Wilmington, Del.
Filed June 1, 1950, Serial No. 599,054. Published June 12, 1951. Class 42.

547,907. Earrings, Bracelets, Pendants, Brooches, Necklaces, and Ornamental Pins. Marino Jewelry Co., Inc., Pawtucket, R. I.
Filed June 14, 1950, Serial No. 599,106. Published June 19, 1951. Class 28.

547,908. Enameling Iron in Sheets. Armco Steel Corporation, Middletown, Ohio.
Filed June 16, 1950, Serial No. 599,218. Published June 26, 1951. Class 14.

547,909. Leather. John R. Evans & Company, Camden, N. J.
Filed June 16, 1950, Serial No. 599,231. Published June 19, 1951. Class 1.

547,910. Costume Jewelry—Namely, Earrings, Brooches, Necklaces, Bracelets, and Ornamental Pins. William Rand, Inc., New York, N. Y.
Filed June 16, 1950, Serial No. 599,258. Published June 19, 1951. Class 28.

547,911. Tie Holder Made in Whole of, in Part of, or Plated With Precious Metal. Swank, Inc., Attleboro, Mass.
Filed June 16, 1950, Serial No. 599,279. Published June 19, 1951. Class 28.

547,912. Electrically Operated Emergency Vehicle Warning Lights of the Moving Type—Namely, a Light Source and a Moving Beam Emanating Therefrom. Lester V. Walsh, Chicago, Ill.
Filed June 19, 1950, Serial No. 599,401. Published June 19, 1951. Class 21.

547,913. Hats and Hat Bodies Intended for Wear by Women and Girls. Halper Brothers, Inc., New York, N. Y.
Filed June 21, 1950, Serial No. 599,512. Published May 22, 1951. Class 39.

547,914. Solders. Special Chemicals Corp., New York, N. Y.
Filed June 22, 1950, Serial No. 599,597. Published June 26, 1951. Class 14.

547,915. Bracelets (Not Including Watches). Speidel Corporation, Providence, R. I.
Filed June 23, 1950, Serial No. 599,663. Published May 8, 1951. Class 28.

547,916. Fried Pork Skins. The Larson Bros. Company, Inc., Kansas City, Kans.
Filed May 29, 1950, Serial No. 599,728. Published May 15, 1951. Class 46.

547,917. Carbon Paper. Columbia Ribbon & Carbon Mfg. Company, Inc., Glen Cove, N. Y.
Filed June 27, 1950, Serial No. 599,815. Published June 5, 1951. Class 11.

547,918. Men's Suits, Coats, Topcoats, Sport Coats, Overcoats, and Slacks. Personality Clothes, Inc., New York, N. Y.
Filed June 30, 1950, Serial No. 600,073. Published May 22, 1951. Class 39.

547,919. Vitamin and Iron Compound Used as a Tonic. Owen Drug Company, Salisbury, N. C.
Filed July 3, 1950, Serial No. 600,186. Published June 5, 1951. Class 18.

547,920. Attachments on Watch Bracelets Adapted To Secure Said Bracelets to Watch Lugs. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,268. Published May 15, 1951. Class 28.

547,921. Watch Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,269. Published May 29, 1951. Class 28.

547,922. Watch Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,270. Published May 29, 1951. Class 28.

547,923. Springs Used in Expansible Watch Bracelets, Not Sold as Such but Incorporated Into the Finished Bracelets. Jacoby-Bender, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,274. Published June 19, 1951. Class 28.

547,924. China Tableware. Castleton China Incorporated, New York, N. Y.
Filed July 7, 1950, Serial No. 600,324. Published May 8, 1951. Class 30.

547,925. Wire Spring Elements for Use in Upholstery Spring Units. L. A. Young Spring & Wire Corporation, Detroit, Mich., and San Leandro, Calif.
Filed July 7, 1950, Serial No. 600,366. Published June 26, 1951. Class 14.

547,926. Domestic, Household and Restaurant Chinaware Used for Preparation and Serving of Food. Technical Porcelain and Chinaware Co., El Cerrito, Calif.
Filed July 8, 1950, Serial No. 600,403. Published May 8, 1951. Class 30.

547,927. Garment Supporting Attachments for Coat Hangers. Regal Plastic Company, Kansas City, Mo.
Filed July 10, 1950, Serial No. 600,446. Published June 12, 1951. Class 50.

547,928. Imitation Precious Stones, and Simulated Pearls Sold Separately, and for Costume Jewelry for Personal Wear, Etc. Elliot, Greene & Co. Inc., New York, N. Y.
Filed July 11, 1950, Serial No. 600,473. Published June 19, 1951. Class 28.

547,929. Medicinal Preparation in Tablet Form Containing Iron Sulfate, Thiamin and Riboflavin. Charles C. Haskell & Co., Inc., Richmond, Va.
Filed July 11, 1950, Serial No. 600,483. Published May 29, 1951. Class 18.

547,930. Watches, Watch Movements, Watchcases, Watch Dials and Parts Thereof. Invicta-Seeland, Inc., New York, N. Y.
Filed July 13, 1950, Serial No. 600,591. Published May 29, 1951. Class 27.

547,931. Perfume and Eau de Cologne. Bourjois, Inc., New York, N. Y.
Filed July 15, 1950, Serial No. 600,717. Published May 29, 1951. Class 51.

547,932. Bedroom and Household Furniture—Namely, Beds, Cribs, Etc. Frank A. Hall & Sons, New York, N. Y.
Filed July 1, 1950, Serial No. 600,801. Published June 5, 1951. Class 32.

547,933. Men's Wearing Apparel—Namely, Men's Hats and Shoes. Atlanta Hub Co. Inc., New York, N. Y.
Filed July 20, 1950, Serial No. 600,941. Published May 22, 1951. Class 39.

547,934. Face Makeup Pencils. Madge S. Bartlett, North Kansas City, Mo., assignor to The Bartlett Company, Kansas City, Mo., a co-partnership.
Filed July 20, 1950, Serial No. 600,942. Published May 29, 1951. Class 51.

547,935. Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-Ins, and Panties. Seamprufe Incorporated, New York, N. Y.
Filed July 20, 1950, Serial No. 600,985. Published June 19, 1951. Class 39.

547,936. Ladies' Gloves Made of Leather, Fabric, Doeskin, and Combinations Thereof. Bacmo Postman Corporation, New York, N. Y.
Filed July 21, 1950, Serial No. 601,013. Published June 19, 1951. Class 39.

547,937. Mirrored Display Stands. Jean Frechtmann, New York, N. Y.
Filed July 25, 1950, Serial No. 601,207. Published June 5, 1951. Class 32.

547,938. Mink Pelts. Schroeder Brothers Minkery, La Farge, Wis.
Filed July 27, 1950, Serial No. 601,336. Published June 12, 1951. Class 1.

547,939. Narcotic Preparation Used as an Anti-Tussive. Endo Products Inc., Richmond Hill, N. Y.
Filed Aug. 2, 1950, Serial No. 601,609. Published June 5, 1951. Class 18.

547,940. Container Closures. Crown Cork & Seal Company, Inc., Baltimore, Md.
Filed Aug. 3, 1950, Serial No. 601,663. Published June 19, 1951. Class 50.

547,941. Bookends. Lester R. Wellman, Chicago, Ill.
Filed Aug. 3, 1950, Serial No. 601,702. Published June 5, 1951. Class 32.

547,942. Synthetic Resin for Use in Protective Coatings, Adhesives, Textiles, Chewing Gum and as a Starting Material for Other Synthetic Resins. Hercules Powder Company, Wilmington, Del.
Filed Aug. 4, 1950, Serial No. 601,730. Published June 19, 1951. Class 6.

547,943. Liquid Glue Used for the Construction and Repair of Household Articles. Henry D. Hukill, doing business under the name and style of Antique Corner, South Bend, Ind.
Filed Aug. 5, 1950, Serial No. 601,789. Published May 29, 1951. Class 5.

547,944. Stepladders. Federated Department Stores, Inc., Cincinnati, Ohio.
Filed Aug. 8, 1950, Serial No. 601,893. Published June 12, 1951. Class 50.

547,945. Rubber in Powder Form. The Goodyear Tire & Rubber Company, Akron, Ohio.
Filed Aug. 9, 1950, Serial No. 601,988. Published June 19, 1951. Class 1.

547,946. Front Surface Mirrors, Rear Surface Mirrors, and Transparent Mirrors. Libbey-Owens-Ford Glass Company, Toledo, Ohio.
Filed Aug. 10, 1950, Serial No. 602,041. Published June 12, 1951. Class 32.

547,947. Compounds for the Waterproofing and Rotproofing of Fabrics or Leather. J. W. Johnson Company, Chicago, Ill.
Filed Aug. 11, 1950, Serial No. 602,095. Published June 19, 1951. Class 6.

547,948. Ceramic Dinnerware. National Silver Company, New York, N. Y.
Filed Aug. 11, 1950, Serial No. 602,105. Published May 22, 1951. Class 30.

547,949. Coal. The Richvein Coal Company, Cincinnati, Ohio.
Filed Aug. 15, 1950, Serial No. 602,219. Published June 19, 1951. Class 1.

547,950. Window Blinds. Sun Vertikal Blind Company, Grand Rapids, Mich.
Filed Aug. 15, 1950, Serial No. 602,229. Published May 29, 1951. Class 32.

547,951. Garment Hangers and Garment Hanger Clips. Al S. Holtz, Yonkers, N. Y.
Filed Aug. 16, 1950, Serial No. 602,261. Published June 12, 1951. Class 50.

547,952. Adhesive Cement for Bonding Rubber and Synthetic Rubber Compounds to Various Other Materials Such as Wood, Paper, Porcelain, and Metals. R. T. Vanderbilt Company, Inc., New York, N. Y.
Filed Aug. 17, 1950, Serial No. 602,349. Published May 22, 1951. Class 5.

547,953. Carbon Paper and Typewriter Ribbons. Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y.
Filed Aug. 18, 1950, Serial No. 602,370. Published June 19, 1951. Class 11.

547,954. Stencil Duplicating Inks and Ink Pads for Stencil Duplication. A. B. Dick Company, Niles, Ill.
Filed Aug. 18, 1950, Serial No. 602,377. Published June 19, 1951. Class 11.

547,955. Bleaching Solution Used for Domestic and Industrial Purposes. Salvatore Lo Parrino, Astoria, N. Y.
Filed Aug. 19, 1950, Serial No. 602,461. Published June 19, 1951. Class 6.

547,956. Poultry Equipment—Namely, Roosts, Housings, and Nests. Paul F. Radocy, doing business as P A Radocy & Sons, Rossford, Ohio.
Filed Aug. 21, 1950, Serial No. 602,524. Published June 12, 1951. Class 50.

547,957. Grave Markers and Monuments. Watson Memorial Company, Denver, Colo.
Filed Aug. 21, 1950, Serial No. 602,528. Published June 12, 1951. Class 50.

547,958. Children's Dresses. Berk Company, Inc., New York, N. Y.
Filed Aug. 23, 1950, Serial No. 602,595. Published June 5, 1951. Class 39.

547,959. Hassock Having a Back Rest. Crawford-Austin Manufacturing Co., Waco, Tex.
Filed Aug. 23, 1950, Serial No. 602,605. Published June 12, 1951. Class 32.

547,960. Plaques and Ornamental Three-Dimensional Modelled Images, Graven or Cast. George A. Wiechert, New York, N. Y.
Filed Aug. 23, 1950, Serial No. 602,657. Published June 12, 1951. Class 50.

547,961. Anti-Friction Bearings. Ahlberg Bearing Company, Chicago, Ill.
Filed Aug. 24, 1950, Serial No. 602,666. Published May 1, 1951. Class 23.

547,962. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Aug. 24, 1950, Serial No. 602,689. Published June 19, 1951. Class 27.

547,963. Sterling Silver Table Ware—Namely, Flatware and Hollowware. The International Silver Company, Meriden, Conn.
Filed Aug. 24, 1950, Serial No. 602,698. Published June 19, 1951. Class 28.

547,964. Silver Plated Table Ware—Namely, Flatware and Hollowware. The International Silver Company, Meriden, Conn.
Filed Aug. 24, 1950, Serial No. 602,699. Published June 19, 1951. Class 28.

547,965. Tables, Chairs, Stools, Lounges, and Booth Furniture. Duro Chrome Corporation, St. Louis, Mo.
Filed Aug. 25, 1950, Serial No. 602,755. Published June 12, 1951. Class 32.

547,966. Hair Preserving and Hair Nutritive Preparations, Hair Restorers, Hair Elixirs, Hair Tonics, Hair Lotions, Hair Oils; Brilliantines. Germaine-Henriette Betschart-Fresneau, Geneva, Switzerland.
Filed Aug. 25, 1950, Serial No. 602,759. Published May 29, 1951. Class 51.

547,967. Simulated Pearl Bracelets, Necklaces, Earrings, and Brooches. Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Aug. 30, 1950, Serial No. 602,951. Published June 19, 1951. Class 28.

547,968. Simulated Pearl Bracelets, Necklaces, Earrings, and Brooches. Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Aug. 30, 1950, Serial No. 602,952. Published June 19, 1951. Class 28.

547,969. Metal Wardrobes. The Medart Company, St. Louis, Mo.
Filed Aug. 31, 1950, Serial No. 603,017. Published June 12, 1951. Class 32.

547,970. Grass Seed. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 1, 1950, Serial No. 603,055. Published June 19, 1951. Class 1.

547,971. Glass Tumblers. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 2, 1950, Serial No. 603,115. Published May 29, 1951. Class 33.

547,972. Choleretic and Cholagogue. Ives-Cameron Company, Inc., New York, N. Y.
Filed Sept. 8, 1950, Serial No. 603,296. Published June 5, 1951. Class 18.

547,973. Display and Advertising Novelties of All Sorts—Namely, Signs, Plaques, and Scale Models of Machinery, Automobiles, and Other Articles of Manufacture. The Plymouth Company Incorporated, Plymouth, Wis.
Filed Sept. 11, 1950, Serial No. 603,417. Published June 12, 1951. Class 50.

547,974. Ladies' Garters. Nyl-Up, Inc., New Braunfels, Tex.
Filed Sept. 13, 1950, Serial No. 603,496. Published June 5, 1951. Class 39.

547,975. Articles of Jewelry Made From Simulated Pearls, and Items of Costume Jewelry—Namely, Earrings, Lapel Pins, Pendants, Brooches, Chokers, Hair Ornaments, and Bouquet Holders. New England Glass Works, Inc., Providence, R. I.
Filed Sept. 15, 1950, Serial No. 603,591. Published June 12, 1951. Class 28.

547,976. General Tonic. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Sept. 15, 1950, Serial No. 603,601. Published June 5, 1951. Class 18.

547,977. Medicinal Preparation for the Treatment of Dermatological Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Sept. 15, 1950, Serial No. 603,602. Published June 5, 1951. Class 18.

547,978. Hosiery. M. K. M. Hosiery Mills, Inc., Boston, Mass.
Filed Sept. 9, 1950, Serial No. 603,657. Published June 5, 1951. Class 39.

547,979. Ointment Having Antipruritic, Antibacterial, and Antifungal Properties for External Application. Vanpelt and Brown, Incorporated, Richmond, Va.
Filed Sept. 21, 1950, Serial No. 603,869. Published May 29, 1951. Class 18.

547,980. Organic Chemical Germicide and Fungicide for Use as a Preservative. General Biochemicals, Inc., Chagrin Falls, Ohio, new by change of name Chagrin Falls Chemicals, Inc., a corporation of Ohio.
Filed Sept. 22, 1950, Serial No. 603,882. Published June 19, 1951. Class 6.

547,981. Penetrating Lubricant for Engines and Other Machinery. Luber-Tone, Inc., St. Louis, Mo.
Filed Sept. 22, 1950, Serial No. 603,889. Published May 29, 1951. Class 15.

547,982. Laxative and Antihistamine Preparations. Union Pharmaceutical Co., Inc., Bloomfield, N. J.
Filed Sept. 22, 1950, Serial No. 603,906. Published June 5, 1951. Class 18.

547,983. Penetrating Oils. Black Jack Oil Company, Denver, Colo.
Filed Sept. 29, 1950, Serial No. 604,187. Published May 29, 1951. Class 15.

547,984. Liquid Cleaning Compound of the Emulsion Type Particularly Adapted for Cleaning Metal Surfaces in the Industrial Arts. Wyandotte Chemicals Corporation, Wyandotte, Mich.
Filed Sept. 30, 1950, Serial No. 604,286. Published June 12, 1951. Class 52.

547,985. Tonic for Alleviating Throat Irritation. Sallie Hamilton, Detroit, Mich.
Filed Oct. 2, 1950, Serial No. 604,300. Published June 5, 1951. Class 18.

547,986. Granular Barytes. National Lead Company, Sayreville, N. J., and New York, N. Y.
Filed Oct. 5, 1950, Serial No. 604,485. Published June 19, 1951. Class 1.

547,987. Resin Finish for Imparting Crease Resistance, Dimensional Stability, and Hydrophobic Characteristics to Textiles and Other Fibers. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Oct. 9, 1950, Serial No. 604,628. Published June 26, 1951. Class 6.

547,988. Polyoxyalkylene Ether of High Molecular Weight Having Water Soluble, Surface Active, and Wetting Properties. Wyandotte Chemicals Corporation, Wyandotte, Mich.
Filed Oct. 9, 1950, Serial No. 604,677. Published June 26, 1951. Class 6.

547,989. Moth Spray and Moth Crystals. Louis Lux, doing business as Lux Research Laboratories, Cleveland, Ohio.
Filed Oct. 10, 1950, Serial No. 604,698. Published June 26, 1951. Class 6.

547,990. Men's Pants, Jeans, and Overalls. Ben F. Davis, doing business as Ben F. Davis Mfg. Co., San Francisco, Calif.
Filed Oct. 12, 1950, Serial No. 604,772. Published June 5, 1951. Class 39.

547,991. Electrically Operated Garbage Grinders. National Steel Construction Co., Seattle, Wash.
Filed Oct. 12, 1950, Serial No. 604,796. Published June 12, 1951. Class 21.

547,992. Pharmaceutical Preparation for Relief of the Effects of Overindulgence in Alcoholic Beverages. Fred B. Malcolm, doing business under the name and style of Merion Laboratories, Philadelphia, Pa.
Filed Oct. 13, 1950, Serial No. 604,853. Published May 29, 1951. Class 18.

547,993. Ladies' and Misses' Dresses. Eugene F. Coracci, New York, N. Y.
Filed Oct. 14, 1950, Serial No. 604,905. Published June 19, 1951. Class 39.

547,994. Electrical Appliances—Namely, Toasters. Knapp-Monarch Company, St. Louis, Mo.
Filed Oct. 14, 1950, Serial No. 604,913. Published Apr. 24, 1951. Class 21.

547,995. Medicinal Preparation Intended for Use as a Diuretic Stimulant for Kidneys and Bladder. Lucky Products Co., Miami, Fla.
Filed Oct. 16, 1950, Serial No. 604,978. Published May 29, 1951. Class 18.

547,996. Therapeutic Vitamin Preparation. Jean U. Korey, New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,039. Published June 5, 1951. Class 18.

547,997. Automobiles and Their Structural Parts. Chrysler Corporation, Highland Park, Mich.
Filed Oct. 19, 1950, Serial No. 605,145. Published May 15, 1951. Class 19.

547,998. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,208. Published June 12, 1951. Class 42.

547,999. Stepladders, Extension Ladders, Clothes Props, and Ladder Stools. Joseph A. Lehman, doing business as Penn Swing & Ladder Company, Lancaster, Pa.
Filed Sept. 11, 1950, Serial No. 605,282. Published June 12, 1951. Class 50.

548,000. Coal. Dickinson Fuel Company, Charleston, W. Va.
Filed Oct. 24, 1950, Serial No. 605,352. Published June 19, 1951. Class 1.

548,001. Cotton Piece Goods. Ponemah Mills, Taftville, Conn.
Filed Oct. 25, 1950, Serial No. 605,436. Published June 12, 1951. Class 42.

548,002. Bracelets, Wrist Watch Bracelets. Bruner-Ritter, Inc., New York, N. Y.
Filed Oct. 27, 1950, Serial No. 605,461. Published June 12, 1951. Class 28.

548,003. Vitamin Tablets. Wendell G. Hendricks, doing business under the name and style of Hendricks Research Foundation, Hollywood, Calif.
Filed Oct. 27, 1950, Serial No. 605,480. Published June 5, 1951. Class 18.

548,004. Fabrics in the Piece, Consisting of Wool and Nylon. J. G. Jacob Co., New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,517. Published June 12, 1951. Class 42.

548,005. Pharmaceutical Analgesic Tablets for the Relief of Pain. National Package Drugs, Inc., St. Louis, Mo.
Filed Oct. 26, 1950, Serial No. 605,525. Published June 5, 1951. Class 18.

548,006. 15 Milligram Diethylstilbestrol Pellets Used in the Chemical Caponization, Tenderization, and Hormonization of Poultry. Terrasol Products, Inc., New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,538. Published June 5, 1951. Class 18.

548,007. Fluoride-Containing Preparations To Be Used in the Prophylaxis of Dental Caries—Namely, Tablets To Be Employed for Oral Use and Tablets To Be Employed in Solution for Topical Use. Wallace & Tiernan Products, Inc., Belleville, N. J.
Filed Nov. 2, 1950, Serial No. 605,821. Published June 5, 1951. Class 18.

548,008. Pharmaceutical Preparation for the Control of Pre-Menstrual Tension. Nutrition Research Laboratories, Inc., Chicago, Ill.
Filed Nov. 8, 1950, Serial No. 606,081. Published June 5, 1951. Class 18.

548,009. Preparation Used for the Treatment of Symptoms of Bronchial Asthma and Hay Fever, Etc. Stansbury Chemical Co., Seattle, Wash.
Filed Nov. 10, 1950, Serial No. 606,242. Published June 5, 1951. Class 18.

548,010. Screw Drivers and Screw Driver Bits. The Bridgeport Hardware Manufacturing Corporation, Bridgeport, Conn.
Filed Nov. 25, 1950, Serial No. 606,932. Published May 29, 1951. Class 23.

548,011. Pre-Hardened Hot-Worked Alloy Die Steel. Heppenstall Company, Pittsburgh, Pa.
Filed Dec. 5, 1950, Serial No. 607,290. Published June 26, 1951. Class 14.

548,012. Pig Iron. Bethlehem Steel Company, Bethlehem, Pa.
Filed Nov. 7, 1950, Serial No. 607,366. Published June 26, 1951. Class 14.

548,013. Conical Involute Gears. Vinco Corporation, Detroit, Mich.
Filed Dec. 15, 1950, Serial No. 607,731. Published May 29, 1951. Class 23.

548,014. Electrically Operated Pressure Cookers. Proctor Electric Company, Philadelphia, Pa.
Filed Dec. 18, 1950, Serial No. 607,828. Published June 19, 1951. Class 21.

548,015. Rotary Selector Switches for Electric Lighting. Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y.
Filed Dec. 22, 1950, Serial No. 608,009. Published June 12, 1951. Class 21.

548,016. Electric Deep Fat Fryers and Electrically Heated Butter Warmers. Dulane, Inc., River Grove, Ill.
Filed Dec. 30, 1950, Serial No. 608,242. Published June 12, 1951. Class 21.

548,017. Marking Devices and Accessories Therefor, Etc. A. C. Gibson Co., Inc., Buffalo, N. Y.
Filed Jan. 3, 1951, Serial No. 608,309. Published May 29, 1951. Class 23.

Service Marks

548,018. Transportation of Goods by Motor Van. National Van Lines, Inc., Chicago, Ill.
Filed May 17, 1948, Serial No. 557,202. Published Sept. 6, 1949. Class 105.

548,019. Television Broadcasting Service Comprising the Broadcasting of Features and Programs Through the Medium of Television. Westinghouse Radio Stations, Inc., Philadelphia, Pa., and Fort Wayne, Ind.
Filed June 25, 1948, Serial No. 560,241. Published June 13, 1950. Class 104.

548,020. Contract Commercial Painting, Which Is Industrial, Residential, and Institutional. Kuehnle-Wilson, Inc., Philadelphia, Pa.
Filed Aug. 13, 1948, Serial No. 563,346. Published June 12, 1951. Class 103.

548,021. Underwriting of Finance Insurance. Retrospective Insurance Underwriters, Inc., Miami, Fla., now by change of name Kirk A. Landon and Associates, Inc.
Filed Jan. 14, 1949, Serial No. 572,205. Published June 12, 1951. Class 102.

548,022. Moving, Trucking, and Hauling Household Goods. United Van Lines, Inc., St. Louis, Mo.
Filed May 23, 1949, Serial No. 579,363. Published June 12, 1951. Class 105.

548,023. The Instruction of and Training of Employees of Commercial Companies in Order To Improve the Relations of the Employers With the Public. This Is It Company, Inc., Baltimore, Md.
Filed July 16, 1949, Serial No. 582,111. Published June 12, 1951. Class 107.

548,024. Marketing Research—Namely, Marketing Research With Reference to Sales of Pharmaceutical Products. A. C. Nielsen Company, Chicago, Ill.
Filed Nov. 10, 1949, Serial No. 587,645. Published June 12, 1951. Class 101.

548,025. Application by Metal Spraying of Corrosion-Resistant or Wear-Resistant Materials to Machinery, Tanks, and Related Items. Metallising Engineering Co. Inc., Long Island City, N. Y.
Filed Dec. 24, 1949, Serial No. 589,909. Published June 19, 1951. Class 106.

548,026. Underwriting of Burglary, Robbery, and Theft Insurance. Hardware Mutual Insurance Company of Minnesota, Minneapolis, Minn.
Filed Mar. 3, 1950, Serial No. 593,348. Published June 12, 1951. Class 102.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

548,027. (Class 47. Wines.) Maison Deutz & Geldermann, Societe Anonyme, Marne, France. Original filed, act of 1905, May 17, 1947; amended to application under act of 1946, Supplemental Register, Sept. 15, 1948, Serial No. 522,575.



Applicant claims ownership of French Registration No. 12,562.
For Champagne Wines.
Claims use since November 1938 and first used in commerce between France and the United States in June 1946.

548,028. (Class 26. Measuring and Scientific Appliances.) Bacharach Industrial Instrument Company, Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Oct. 1, 1947; amended to application, Supplemental Register, June 2, 1950, Serial No. 536,334.

tempoint

For Thermometers.
Claims use since Sept. 27, 1946.

548,029. (Class 40. Fancy Goods, Furnishings, and Notions.) Ben-Hur Products, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 21. 1947; amended to application, Supplemental Register, Oct. 20, 1950, Serial No. 541,914.

Sure GRIP

Applicant claims ownership of Registrations Nos. 407,865 and 432,715.
For Combs, Barrettes and Hair Ornaments, Not Made of Precious Metals or Metals nor Embossed With Precious Stones.
Claims use since February 1931.

548,030. (Class 39. Clothing.) Van Raalte Company, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 16, 1947; amended to application, Supplemental Register, July 11, 1951, Serial No. 544,484.

STRYPS

Applicant claims ownership of Registration No. 332,275.
For Women's Underwear and Lingerie—Namely, Bandeaux, Bloomers, and Panties.
Claims use since 1930.

548,031. (Class 26. Measuring and Scientific Appliances.) Celomat Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 26, 1948; amended to application, Supplemental Register, Aug. 24, 1949, Serial No. 550,581.

VUE-SCOPE

For Television Screen Magnifying Lenses, and Brackets for Supporting the Same Sold as a Unit With the Lenses.
Claims use since February 1948.

548,032. (Class 49. Distilled Alcoholic Liquors.) Hiram Walker & Sons Inc., Detroit, Mich. Original filed, act of 1946, Principal Register, Mar. 8, 1948; amended to application, Supplemental Register, Aug. 20, 1949, Serial No. 551,501.

a Rainbow of Flavors

For Alcoholic Liqueurs and Alcoholic Cordials.
Claims use since November 1947.

548,033. (Class 47. Wines.) Petri Wine Company, San Francisco, Calif., by change of name from Petri Cigar Company, doing business as Petri Wine Company. Original filed, act of 1946, Principal Register, Sept. 27, 1948; amended to application, Supplemental Register, Dec. 9, 1949, Serial No. 565,961.

Petri

Party Wine

Applicant claims ownership of Registrations Nos. 104,153, 387,531 and others.
For Wines.
Claims use since September 1947.

548,034. (Class 26. Measuring and Scientific Appliances.) Joseph G. Weisinger, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 23, 1948; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 567,551.

Weisinger

For Taximeters.
Claims use since Oct. 6, 1948.

548,035. (Class 51. Cosmetics and Toilet Preparations.) C. R. MacKenzie, Ltd., Long Island City, N. Y. Original filed, act of 1946, Principal Register, Nov. 5, 1948; amended to application, Supplemental Register, Mar. 13, 1951, Serial No. 568,265.



The mark is a facsimile signature of the president of applicant. The drawing is lined for the color green. Applicant claims ownership of Registration No. 530,897.
For Pre-Shave Beard Softener.
Claims use since July 12, 1948.

548,036. (Class 26. Measuring and Scientific Appliances.) Photo Research Corp., Burbank, Calif. Original filed, act of 1946, Principal Register, Dec. 6, 1948; amended to application, Supplemental Register, Feb. 10, 1951, Serial No. 570,064.

SPECTRA

For Photoelectric Color Temperature Meter.
Claims use since Sept. 28, 1948.

548,037. (Class 26. Measuring and Scientific Appliances.) Beacon Plastic & Metal Products Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 1, 1949; amended to application, Supplemental Register, Mar. 15, 1951, Serial No. 573,112.

EVEN TAN

For Eye Shades.
Claims use since June 20, 1948.

548,038. (Class 22. Games, Toys, and Sporting Goods.) Frank R. Steel, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, June 23, 1949; amended to application, Supplemental Register, July 6, 1951, Serial No. 580,952.

STEEL'S WIGGLEFROG

Frank R. Steel inc.

The drawing is lined for red. The word "inc." is disclaimed. "Frank R. Steel" is the name of the president of the applicant corporation.
For Artificial Fish Lures.
Claims use since Mar. 3, 1949.

548,039. (Class 39. Clothing.) I. Schneierson & Sons, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 28, 1949; amended to application, Supplemental Register, June 15, 1951, Serial No. 582,652.

Don't be slipshod—
be slip-sure

For Ladies' and Children's Chemises, Princess Slips, Bloomers, Step-In Drawers, Step-Ins, Pajamas and Nightgowns, and Children's Dresses of a Textile Fabric.
Claims use since Feb. 1, 1945.

548,040. (Class 45. Soft Drinks and Carbonated Waters.) Dr. Swett's Root Beer Company, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, July 30, 1949; amended to application, Supplemental Register, June 23, 1951, Serial No. 582,745.

Dr. Sweet's

The portrait and the name "Dr. Sweet's" are fanciful. Applicant claims ownership of Registrations Nos. 349,752, 379,782, and others.
For Non-Alcoholic, Non-Cereal Maltless Beverages Sold as Soft Drinks and Extracts, Concentrates, and Syrups for Making the Same.
Claims use since Mar. 18, 1949.

548,041. (Class 39. Clothing.) The Hagerstown Rubber Company, Hagerstown, Md. Original filed, act of 1946, Principal Register, Aug. 9, 1949; amended to application, Supplemental Register, Oct. 26, 1950, Serial No. 583,203.

RUGGEDWEAR

For Rubber Soles and Heels.
Claims use since Mar. 1, 1947.

548,042. (Class 48. Malt Beverages and Liquors.) Chr. Heurich Brewing Company, Washington, D. C. Original filed, act of 1946, Principal Register, Aug. 22, 1949; amended to application, Supplemental Register, Oct. 12, 1950, Serial No. 583,798.

Old Georgetown

Applicant claims ownership of Registration No. 321,929.
For Ale.
Claims use since Aug. 18, 1949.

548,043. (Class 2. Receptacles.) Sutherland Paper Company, Kalamazoo, Mich. Original filed, act of 1946, Principal Register, Aug. 29, 1949; amended to application, Supplemental Register, July 9, 1951, Serial No. 584,206.

SERVISET

For Paper Plates and Cups.
Claims use since May 3, 1949.

548,044. (Class 39. Clothing.) Rite Form Corset Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 29, 1949; amended to application, Supplemental Register, June 27, 1951, Serial No. 585,544.

"sta-hi"

For Corsets and Girdles for Ladies and Misses.
Claims use since Aug. 2, 1949.

548,045. (Class 39. Clothing.) M. Epstein, Inc., Morristown, N. J. Original filed, act of 1946, Principal Register, Oct. 24, 1949; amended to application, Supplemental Register, June 25, 1951, Serial No. 586,746.

Lady Morris

The name "Lady Morris" is fanciful.
For Women's Shoes.
Claims use since July 29, 1949.

548,046. (Class 17. Tobacco Products.) Nathan Sherman, doing business as Nat Sherman Company, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 1, 1949; amended to application, Supplemental Register, Dec. 6, 1950, Serial No. 587,132.

SHERMAN'S

For Cigarettes.
Claims use since June 10, 1949.

548,047. (Class 2. Receptacles.) The Wolf Detroit Envelope Company, Detroit, Mich. Filed Jan. 18, 1950, Serial No. 591,057.

"PRESS-SURE-SEAL"

For Merchandise and Shipping Envelopes.
Claims use since Sept. 11, 1945.

548,048. (Class 39. Clothing.) Miss Youth Form Lingerie, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 4, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 593,428.

Garta HALF Slip

For Ladies' Half Slips.
Claims use since Jan. 25, 1950.

548,049. (Class 39. Clothing.) Miss Youth Form Lingerie, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 4, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 593,430.

Garta Petticoat

For Ladies' Petticoats.
Claims use since Jan. 25, 1950

548,050. (Class 46. Foods and Ingredients of Foods.) Alvin E. Chapin, Washington, D. C. Original filed, act of 1946, Principal Register, Mar. 20, 1950; amended to application, Supplemental Register, June 11, 1951, Serial No. 594,250.

Shur-Whip

For Preparation Consisting of Hydrogenated Vegetable Oils, Shortening, Dextrose, Sugar, Milk, Etc., for Use in Making Whipped Toppings for Baking Products.
Claims use since Mar. 15, 1950.

548,051. (Class 39. Clothing.) Miss Youth Form Lingerie, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Apr. 1, 1950; amended to application, Supplemental Register, Mar. 21, 1951, Serial No. 595,081.

Garta Slip

For Ladies' Slips.
Claims use since Jan. 25, 1950.

548,052. (Class 39. Clothing.) I. Schneierson & Sons, Inc., New York, N. Y. Filed May 25, 1950, Serial No. 598,110.

Bodi-Smooth

Applicant claims ownership of Registration No. 336,795.
For Ladies' and Children's Slips, Nightgowns, Pajamas, and Chemises and Ladies' Uniforms for Work Purposes.
Claims use since Nov. 26, 1947.

548,053. (Class 39. Clothing.) Even-Pul Foundations, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 10, 1950; amended to application, Supplemental Register, July 13, 1951, Serial No. 593,902.

Pul-eze

For Brassières, Girdles, Corselets and Foundation Garments.
Claims use since Apr. 3, 1950.

548,054. (Class 39. Clothing.) Felt Slipper Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 8, 1950; amended to application, Supplemental Register, June 18, 1951, Serial No. 600,378.



For Ladies', Misses', Men's, and Children's Slippers.
Claims use since May 1950.

548,055. (Class 39. Clothing.) K & S Corset Manufacturing Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, July 8, 1950; amended to application, Supplemental Register, Apr. 11, 1951, Serial No. 600,384.



For Foundation Garments Consisting of Long Line Brassières.
Claims use since Apr. 3, 1950 as to the mark shown and since April 1947 as to "Oval Lift Spiral Magic."

548,056. (Class 45. Soft Drinks and Carbonated Waters.) M. S. Fishman, doing business as The California Bottling Works, California Dry Ginger Ale Company, California Club Bottling Company, and California Orange Dry Company, Los Angeles, Calif. Filed Aug. 15, 1950, Ser. No. 602,191.



The mark consists of the outline map of the State of California. Applicant claims ownership of Registrations Nos. 289,167, 200,261, 241,003, and 265,999.
For Maltless Soft Drinks and Syrups, Extracts and Concentrates Used in Making the Same, and Mineral and Carbonated Waters.
Claims use since Nov. 15, 1925.

548,057. (Class 49. Distilled Alcoholic Liquors.) The Dant Distillery Company, Gethsemane, Ky. Original filed, act of 1946, Principal Register, Nov. 9, 1950; amended to application, Supplemental Register, July 12, 1951, Serial No. 607,151.

THE CROWN JEWEL OF KENTUCKY BOURBON

For Bourbon Whiskey.
Claims use since May 20, 1950.

Service Mark

548,058. (Class 102. Insurance and Financial.) Excelsior Insurance Company of New York, Syracuse, N. Y. Original filed, act of 1946, Principal Register, Apr. 6, 1948; amended to application, Supplemental Register, Oct. 18, 1949, Serial No. 553,957.

The American Agents' Company

For Underwriting of the Following Risks: Fire Insurance With or Without Extended Coverage; Inland Marine; Motor Vehicle Fire and Theft, Comprehensive and Collision; Tornado and Wind; Sprinkler Leakage; Riot, Civil Commotion, Explosion and Earthquake Insurance, and Insurance Against Damage to Growing Crops by Hail.
Claims use since April 1925.

TRADE-MARK REGISTRATIONS RENEWED

36,940. AMBRA. Registered Aug. 20, 1901. Aspegren & Co., New York, N. Y. Re-renewed Aug. 20, 1951, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Seed-Oils, Lard, Syrup, Etc. Class 46.

81,962. "C" AND DRAWING. Registered May 23, 1911. Z. & W. M. Crane. Re-renewed May 23, 1951, to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts. Writing-Paper and Envelops. Class 37.

81,988. "G" AND DRAWING. Registered May 23, 1911. Myer P. Gold, Troy, N. Y. Re-renewed May 23, 1951. Hosiery, Knit Undershirts, Knit Drawers, Knit Union Suits, and Knit Sweaters. Class 39.

82,115. FENOLETS. Registered May 30, 1911. Sharp & Dohme, Baltimore, Md. Re-renewed May 30, 1951, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. Laxative Confection. Class 18.

82,129. KATRENA. Registered June 6, 1911. Alabama-Georgia Syrup Company, Montgomery, Ala., a corporation of Alabama. Re-renewed June 6, 1951. Cane Syrup. Class 46.

82,239. INDIOLA. Registered June 13, 1911. India Tea Company, Chicago, Ill. Re-renewed June 13, 1951, to The Cook Coffee Company, Cleveland, Ohio, a corporation of Ohio. Coffees, Teas, Cocoa, Fruit and Flavoring Extracts, and Spices. Class 46.

84,050. HYDROCIDE. Registered Oct. 31, 1911. L. Sonneborn Sons, Inc., New York, N. Y., a corporation of Delaware. Re-renewed Oct. 31, 1951. Asphalt Compositions and Paints Used for Rendering Surfaces Waterproof or Damp-Proof. Class 16.

84,090. LARIEUSE. Registered Nov. 7, 1911. A. F. Godefroy and Sons. Re-renewed Nov. 7, 1951, to Godefroy Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Hair-Dyes. Class 51.

84,184. "CORNUCOPIA" AND DRAWING. Registered Nov. 14, 1911. Maclin-Zimmer Tobacco Co. Incorporated. Re-renewed Nov. 14, 1951, to Maclin-Zimmer-McGill Tobacco Co. Inc., Petersburg, Va., a corporation of Virginia. Plug, Twist, Cut Plug Smoking Tobacco and Leaf Tobacco. Class 17.

84,218. VERDANT VALLEY. Registered Nov. 21, 1911. Droste & Snyder, Newark, N. J. Re-renewed Nov. 21, 1951, to The Borden Company, New York, N. Y., a corporation of New Jersey. Butter, Cheese, and Eggs. Class 46.

226,001. "THE FRUIT SHOP" AND DRAWING. Registered Mar. 29, 1927. H. Hicks & Son, Inc. Renewed Mar. 29, 1947, to H. Hicks & Son, Inc., New York, N. Y., a corporation of New York. Canned Fruits, Dried Fruits, Etc. Class 46.

281,218. WELSEA. Registered Mar. 10, 1931. Wellington, Sears & Company, Boston, Mass. Renewed Mar. 10, 1951, to Wellington Sears Company, New York, N. Y., a corporation of Massachusetts. Cotton Piece Goods. Class 42.

281,656. "CERTIFIED SILVERTONE" ETC. AND DESIGN. Registered Mar. 24, 1931. Certified Dry Mat Corporation, New York, N. Y., a corporation of New York. Renewed Mar. 24, 1951. Matrix, Dry Mat, or Board Used in Stereotyping and Electrotyping. Class 50.

281,662. "CERTIFIED SILVERTYPE" AND DESIGN. Registered Mar. 24, 1931. Certified Dry Mat Corporation, New York, N. Y., a corporation of New York. Renewed Mar. 24, 1951. Finished Printing Plates. Class 50.

282,289. DOUBLE DIP. Registered Apr. 14, 1931. Thompson's Malted Food Company, Waukesha, Wis. Renewed Apr. 14, 1951, to The Borden Company, New York, N. Y., a corporation of New Jersey. Food-Beverage Powder Containing Malted Milk. Class 46.

282,429. 4 BAR. Registered Apr. 21, 1931. Johnson Suture Corporation, Chicago, Ill. Renewed Apr. 21, 1951, to Ethicon Suture Laboratories Incorporated, New Brunswick, N. J., a corporation of New Jersey. Gut Strings for Rackets. Class 22.

282,699. A C. Registered Apr. 28, 1931. A C Spark Plug Company, Flint, Mich. Renewed Apr. 28, 1951, to General Motors Corporation, Detroit, Mich., a corporation of Delaware. Spark Plugs and Spark-Plug Porcelains. Class 21.

282,751. "DEWALT" AND DRAWING. Registered Apr. 28, 1931. De Walt Products Corporation, Leola, Pa. Renewed Apr. 28, 1951, to De Walt Inc., Lancaster, Pa., a corporation of Pennsylvania. Woodworking Machines and Parts Thereof and Attachments Therefor, Etc. Class 23.

283,013. "OIL-LAC" AND DESIGN LINED FOR BLUE. Registered May 12, 1931. Brininstool Paint Co., Los Angeles, Calif. Renewed May 12, 1951, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada. Paint Enamels. Class 16.

283,157. PLETHOCHROME. Registered May 19, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed May 19, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Photographic Film. Class 26.

283,175. "INSTO" AND DESIGN. Registered May 19, 1931. Instograph, Ltd., Oakland, Calif. Renewed May 19, 1951, to International Business Machines Corporation, New York, N. Y., a corporation of New York. Time Daters and Time-Dating Machines. Class 26.

283,266. POLAR GRIP. Registered May 19, 1931. The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed May 19, 1951. Automobile Tires. Class 35.

283,351. "SOUTHLAND" ETC. AND DRAWING. Registered May 26, 1931. Continental Paper & Bag Corporation. Renewed May 26, 1951, to International Paper Company, New York, N. Y., a corporation of New York. Food Wrappers Formed of Paper. Class 37.

283,566. DECTOL. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,567. INCA. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,610. "EUCLID" AND DRAWING. Registered June 2, 1931. The Euclid Crane & Hoist Company. Renewed June 2, 1951, to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio. Mobile Machinery—Namely, Rotary and Wheeled Scrapers and Bulldozers. Class 23.

283,690. CASCO. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,691. CADDO. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,692. AZTEC. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,693. APACHE. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,696. "STOCKHAM" AND DESIGN. Registered June 2, 1931. Stockham Pipe & Fittings Co. Renewed June 2, 1951, to Stockham Valves & Fittings, Inc., Birmingham, Ala., a corporation of Delaware. Pipe and Pipe Fittings of Cast Iron, Malleable Iron, Steel, Brass, or Other Metal. Class 13.

283,697. "CONOCO" ETC. AND DESIGN LINED FOR RED. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oils and Greases. Class 15.

283,740. TIMKEN. Registered June 2, 1931. The Timken Steel and Tube Company. Renewed June 2, 1951, (Supplemental Register), to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio. Steel and Alloy Steel in Ingot, Billet, Bloom, Bar, Tube, and Other Forms. Class 14.

284,103. OCONOC. Registered June 16, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 16, 1951. Lubricating Grease. Class 15.

284,130. APOLLO. Registered June 16, 1931. P. Lindhorst, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him June 16, 1951. Cotton Yarns. Class 43.

284,131. LINDHORST'S LADY TAPESTRY WOOL. Registered June 16, 1931. P. Lindhorst, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him June 16, 1951. Wool Yarns. Class 43.

284,193. "FW" AND DESIGN. Registered June 16, 1931. Foster Wheeler Corporation, New York, N. Y., a corporation of New York. Renewed June 16, 1951. Fluid-Heating Apparatus—Namely, Tubular Air Heaters, Gas Heaters, Bleeder Heaters, Etc. Class 34.

284,295. "F. VITELLI & FIGLIO" AND DRAWING LINED FOR GREEN, BLUE, & RED. Registered June 23, 1931. F. Vitelli & Son, New York, N. Y., a firm. Renewed June 23, 1951. Canned Peeled Tomatoes and Canned Tomato Paste. Class 46.

284,307. CREE. Registered June 23, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 23, 1951. Lubricating Oil. Class 15.

284,311. HURON. Registered June 23, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 23, 1951. Lubricating Oil. Class 15.

284,312. SPEEDUNDIES. Registered June 23, 1931. The "E-Cut" Knitting Mills. Renewed June 23, 1951, to "E-Cut" Knitting Mills, Inc., Royersford, Pa., a corporation of Pennsylvania. Rayon Underwear for Women. Class 39.

284,339. COMPANION. Registered June 23, 1931. Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Renewed June 23, 1951. Automobile Tires, Composed of Genuine Rubber, Rubber Compound, and Cotton Fabric. Class 35.

284,366. TELETYPESETTER. Registered June 23, 1931. Teletype Corporation, assignor to Teletypesetter Corporation. Renewed June 23, 1951, to Teletypesetter Corporation, Chicago, Ill., a corporation of Delaware. Electrically-Controlled Typesetting and Typecasting Apparatus and Electrical Control Units, Transmitters, Etc. Class 21.

284,371. KELRAY. Registered June 23, 1931. Krumholz & Lichtblau. Renewed June 23, 1951, to Kelray Knitting Mills, Inc., New York, N. Y., a corporation of New York. Ladies'- and Children's Undergarments Made of Rayon, Silk, Wool, Cotton, and Mixtures—Namely, Bloomers, Etc. Class 39.

284,433. WYTPAK. Registered June 30, 1931. Wheeler Paper Corporation, Albany, N. Y., a corporation of New York. Renewed June 30, 1951. Toilet Paper. Class 37.

284,475. CELLOPACK. Registered June 30, 1931. White & Wyckoff Mfg. Co., Holyoke, Mass., a corporation of Massachusetts. Renewed June 30, 1951. Writing and Printing Paper and Mailing Envelopes in Packages. Class 37.

284,490. BOYS' WEAR. Registered June 30, 1931. Daily Trade Record Co. of New York. Renewed June 30, 1951, to Fairchild Publications, Inc., New York, N. Y., a corporation of New York. Newspaper Column or Columns. Class 38.

284,645. "RED IMP" AND DESIGN. Registered July 7, 1931. E. Morris Mfg. Co. Renewed July 7, 1951, to E. Morris Manufacturing Co., Detroit, Mich., a copartnership. Razors and Shears. Class 23.

284,758. "STOKOL" ETC. WITHIN DIAMOND DESIGN. Registered July 7, 1931. Clarice Hendrickson, Chicago, Ill. Renewed July 7, 1951, to Diamond Iron Works, Inc., Minneapolis, Minn., a corporation of Delaware. Automatic Coal Stokers, Also Known as Automatic Coal Burners. Class 34.

285,216. GERMOLIND. Registered July 21, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed July 21, 1951. Lubricating Oil. Class 15.

285,406. STAUNCHLEY. Registered July 28, 1931. Alfred Decker & Cohn, Inc. Renewed July 28, 1951, to Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois. Overcoats for Men and Men's Suits, Including Coats, Vests, and Knickerbockers. Class 39.

285,444. CAROLINA BLACKS. Registered July 28, 1931. E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois. Renewed July 28, 1951. Candy. Class 46.

285,467. OLD COLONY. Registered July 28, 1931. The Thread Mills Company, Monticello, Ind. Renewed July 28, 1951, to McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois. Thread and Yarn. Class 43.

285,672. RESPAMOL. Registered Aug. 4, 1931. The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Renewed Aug. 4, 1951. Liquid Demulcent Preparation Given as an Expectorant and Bronchial Antispasmodic in Diseases of the Respiratory Tract. Class 18.

285,960. "FW" AND DESIGN. Registered Aug. 11, 1931. Foster Wheeler Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 11, 1951. Plate Air Heaters, Condensers, Economizers, Evaporators, Feed Water Heaters, Etc. Class 34.

285,961. "FW" AND DESIGN. Registered Aug. 11, 1931. Foster Wheeler Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 11, 1951. Expansion Joints Other Than in Drainage, Waste, and Vent Fittings. Class 13.

286,178. SHELL. Registered Aug. 18, 1931. Shell Oil Company, San Francisco, Calif. Renewed Aug. 18, 1951, to Shell Oil Company, New York, N. Y., a corporation of Delaware. Gasoline, Kerosene, Gas Oil, Diesel Oil, Furnace Fuel Oil, Motor Lubricating Oils, and Transmission Oils and Lubricating Greases. Class 15.

286,362. "ADLERO". Registered Aug. 25, 1931. Adler & Oppenheimer Aktiengellschaft, Berlin, Germany. Renewed Aug. 25, 1951, to The Reida Trading Company, Inc., New York, N. Y., a corporation of New York. Leather, Leather Dressed by the Chromic Process, Leather Dressed by the Hole Process, Patent Leather. Class 1.

286,751. PASTENE. Registered Sept. 1, 1931. P. Pastene & Co., Inc., Boston, Mass. Renewed Sept. 1, 1951, to Pastene & Co., Inc., New York, N. Y., a corporation of Delaware. Canned Fruits, Canned Vegetables, Canned Milk; Etc. Class 46.

286,777. NAME-O-GRAM. Registered Sept. 1, 1931. Raphael Weill & Company, San Francisco, Calif., a corporation of Nevada. Renewed Sept. 1, 1951. Handkerchiefs. Class 39.

286,888. EZY-DAY. Registered Sept. 8, 1931. The Hewitt Bros. Soap Company. Renewed Sept. 8, 1951, to The Hewitt Soap Company, Inc., Dayton, Ohio, a corporation of Ohio. Soap in Granular Form. Class 52.

286,998. FUTURA. Registered Sept. 8, 1931. H. P. Hood & Sons, Inc., Boston, Mass., a corporation of Massachusetts. Renewed Sept. 8, 1951. Ice Cream. Class 46.

287,163. REPRESENTATION OF GROTESQUE FIGURES. Registered Sept. 15, 1931. Schutter Johnson Candy Company Inc., Chicago, Ill. Renewed Sept. 15, 1951, to Universal Match Corporation, St. Louis, Mo., a corporation of Delaware. Candy. Class 46.

287,249. "BRIEF-O-FOLD" WITHIN DIAMOND DESIGN. Registered Sept. 15, 1931. Max Damm Company, Inc., Newark, N. J. Renewed Sept. 15, 1951, to Harry B. Morris, New York, N. Y. Brief Cases. Class 3.

287,256. BRILLO. Registered Sept. 15, 1931. Brillo Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Sept. 15, 1951. Pressing Pads. Class 24.

287,262. "MANSFIELD" AND DESIGN. Registered Sept. 15, 1931. Commonwealth Shoe and Leather Company, Whitman, Mass., a corporation of Massachusetts. Renewed Sept. 15, 1951. Boots and Shoes of Leather, Fabric, or Combinations Thereof. Class 39.

287,271. "ADJUSTABLES" AND HEAVY UNDERLINE. Registered Sept. 15, 1931. Gotham Silk Hosiery Company, Inc. Renewed Sept. 15, 1951, to Gotham Hosiery Company, Inc., New York, N. Y., a corporation of Delaware. Hosiery. Class 39.

287,289. ALABASTER. Registered Sept. 15, 1931. The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Sept. 15, 1951. Soap in Comminuted Form. Class 52.

287,526. REGAL. Registered Sept. 29, 1931. Regal Products Co., San Francisco, Calif., and New York, N. Y. Renewed Sept. 29, 1951, to Gairee Products Co., Inc., New York, N. Y., a corporation of New York. Preparations for the Destroying of Moth Larvae and Eggs. Class 6.

287,624. PREEMO. Registered Sept. 29, 1931. Standard-Coosa-Thatcher Company, Chattanooga, Tenn., a corporation of Tennessee. Renewed Sept. 29, 1951. Cotton Thread and Cotton Yarn. Class 43.

287,795. "SHAD-O-SHEER" ETC. Registered Oct. 13, 1931. Luxite Silk Products Co. Renewed Oct. 13, 1951, to Holeproof Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Underwear for Men and Women. Class 39.

287,889. "ROYAL BRAND" AND DRAWING. Registered Oct. 13, 1931. H. Perlstein, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 13, 1951. Cut Glass, Ornamental Glass, Plate Glass, Window Glass, Sheet Glass, Etc. Class 33.

288,030. VALVE VALUES. Registered Oct. 20, 1931. The Edward Valve and Manufacturing Co. Renewed Oct. 20, 1951, to Edward Valves, Inc., East Chicago, Ind., a corporation of Indiana. Periodical. Class 38.

288,073. CER TIF INE. Registered Oct. 20, 1931. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y. Renewed Oct. 20, 1951, to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey. Tympan Paper and Bristol Board. Class 37.

288,302. GOOD LUCK. Registered Oct. 20, 1931. The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 20, 1951. Soap. Class 52.

288,536. "HUDDERTON" AND HEAVY UNDERLINE. Registered Nov. 3, 1931. Alfred Decker & Cohn, Inc. Renewed Nov. 3, 1951, to Society Brand Clothes, Inc., Chicago, Ill., a corporation of Illinois. Men's Coats, Overcoats, Topcoats, and Raincoats. Class 39.

288,581. MIRANESE. Registered Nov. 3, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Nov. 3, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

288,582. SOIRANESE. Registered Nov. 3, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Nov. 3, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

288,584. SOLANESE. Registered Nov. 3, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Nov. 3, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

288,586. COTTON BLOSSOM. Registered Nov. 3, 1931. Southern Mills, Incorporated, Atlanta, Ga., a corporation of Georgia. Renewed Nov. 3, 1951. Woven Cotton Feed Ribbons for Ironing Machines and the Like Ready for Use on Such Machines, and Laundry Net Bags. Class 2.

288,713. REPRESENTATION OF RUBBER HEEL. Registered Nov. 3, 1931. United Shoe Machinery Corporation, Boston, Mass., and Paterson, N. J. Renewed Nov. 3, 1951, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. Rubber Heels. Class 39.

288,907. YALE. Registered Nov. 10, 1931. The Yale & Towne Mfg. Co., Stamford, Conn. Renewed Nov. 10, 1951, to The Yale & Towne Manufacturing Co., New York, N. Y., a corporation of Connecticut. Lift Trucks and Skid Platforms. Class 19.

288,952. A. V. C. Registered Nov. 10, 1931. Rockbestos Products Corporation, New Haven, Conn., a corporation of Massachusetts. Renewed Nov. 10, 1951. Electric Cables and Other Electric Conductors Insulated With Asbestos and Varnished Cambric. Class 21.

289,043. TRANSPARENCE. Registered Nov. 17, 1931. Houbigant, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Face Powder, Talcum Powder, Bath Salts, Rouge, Lip Sticks, Etc. Class 51.

289,083. FOLIE DIVINE. Registered Nov. 17, 1931. Societe Anonyme Jean Patou, Paris, France. Renewed Nov. 17, 1951, to Jean Patou, Inc., New York, N. Y., a corporation of New York. Perfumes, Toilet Waters, Face Powder, Etc. Class 51.

289,084. MOMENT SUPRÊME. Registered Nov. 17, 1931. Societe Anonyme Jean Patou, Paris, France. Renewed Nov. 17, 1951, to Jean Patou, Inc., New York, N. Y., a corporation of New York. Perfumes, Toilet Waters, Face Powder, Talcum Powder, Etc. Class 51.

289,097. "TARGET" AND DESIGN. Registered Nov. 17, 1931. Brown & Williamson Tobacco Corporation, Louisville, Ky., a corporation of Delaware. Renewed Nov. 17, 1951. Cigarette Rolling Devices or Machines. Class 23.

289,134. "BONVUE" ETC. AND DESIGN. Registered Nov. 17, 1931. Titmus Optical Company, Inc., Petersburg, Va., a corporation of Virginia. Renewed Nov. 17, 1951. Optical Lenses. Class 26.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

308,661. "MINNESOTA GIRL" AND DESIGN. Registered Dec. 12, 1933. Capital Flour Mills, Incorporated, Minneapolis, Minn. Wheat Flour. Class 46. Restricted to that area of the United States excluding the area comprising Colorado, Wyoming, New Mexico, Arizona, California, Utah, Idaho, western Kansas and western Nebraska, by order of the Commissioner dated Aug. 14, 1951, following decision on Concurrent Use Proceeding No. 47. *The Colorado Milling & Elevator Co.* v. *Capital Flour Mills, Incorporated, International Milling Company, Assignee, Substituted.*

430,036. "GOLD CROSS" AND DESIGN. Registered June 3, 1947. Gold Cross Mattress Corp., Boston, Mass. Mattresses, Beds, Studio Couches, Sofas, Etc. Class 32. Restricted to that area of the United States excluding the area embraced by the States of Alabama, Arkansas, California, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia, by order of the Commissioner dated Aug. 17, 1951, following decision on Concurrent Use Proceeding No. 22, *Slumber Products Corporation* v. *Gold Cross Mattress Corp.*

398,771. FOAMGLAS. Registered Nov. 24, 1942. Pittsburgh-Corning Corporation, Pittsburgh, Pa. Cellular Structural Material Composed of Rigid Cellulated Slabs, Blocks, Lumps, Etc. Class 12. Corrected as follows: In the statement, column 2, line 2, for '"Foamglass."' read *"Foamglas."*:

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 179,986. Registered Feb. 19, 1924. Roseth Corporation, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

PROTEX WARDROBE BAG

The words "Wardrobe Bag" are disclaimed apart from the mark as shown.
For Mothproof Bags.
Claims use since Feb. 1, 1922.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 324,441. Registered May 21, 1935. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

GRISDALE

For Clear and Cloudy Ammonia.
Claims use since Oct. 4, 1922.

Reg. No. 369,690. Registered Aug. 1, 1939. The W. H. Loomis Talc Corporation, Gouverneur, N. Y., a corporation of New York. Republished by registrant.

LOOMKILL

For Specially Prepared Insecticide and for an Inert Carrier and Diluent for Insecticides and Fungicides.
Claims use since Feb. 25, 1938.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 282,764. Registered Apr. 28, 1931. Kaumagraph Company, New York, N. Y. Republished by Kaumagraph Company, Wilmington, Del., a corporation of Delaware.

KAU-MARK

The word "Mark" is disclaimed apart from the mark as shown.
For Marking Paste for Cloth for Mill Identification.
Claims use since Oct. 1, 1930.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 423,310. Registered Aug. 27, 1946. National Steel Corporation, Wilmington, Del., and Weirton, W. Va., a corporation of Delaware. Republished by registrant, present address Pittsburgh, Pa.

WEIRITE

For Tin Plate.
Claims use since May 31, 1939.

Reg. No. 434,657. Registered Dec. 2, 1947. National Steel Corporation, Wilmington, Del., and Weirton, W. Va., a corporation of Delaware. Republished by registrant, present address Pittsburgh, Pa.



Any representation of the goods is disclaimed apart from the mark as shown. The drawing is lined for red.
For Steel Sheets and Tin Coated Steel Sheets.
Claims use since May 31, 1939.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 411,938. Registered Feb. 13, 1945. Charles & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

C AND C

For Smoking Tobacco.
Claims use since December 1923.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 309,863. Registered Feb. 6, 1934. Otis E. Glidden, doing business as Otis E. Glidden & Co., Evanston, Ill. Republished by Otis E. Glidden & Co., Inc., Waukesha, Wis., a corporation of Illinois.

Zymenol

For Yeast Cultures in Mineral Oil and Agar Agar Emulsion for Treatment of Constipation.
Claims use since Aug. 1, 1933.

Reg. No. 334,874. Registered May 19, 1936. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

GRISDALE

For Artificial Carbonated Lithiated Water.
Claims use since July 18, 1933.

Reg. No. 334,885. Registered May 19, 1936. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.



For Artificial Carbonated Lithiated Water.
Claims use since Mar. 6, 1934.

Reg. No. 436,237. Registered Jan. 27, 1948. Ames Company, Inc., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Dechotin sodium

The word "Sodium" is disclaimed apart from the mark as shown.
For Cholagogues and Choleretics for the Treatment of All Diseases of the Liver and Bile Ducts Such as Cholangitis (Jaundice) and Cholelithiasis, Diuretics in Noncompensated Heart Defects and Ascites With Cirrhotic Diseases of the Liver, Preparations Diminishing the Untoward Effects in the Internal Treatment of Diabetes, Preparation for Use in the Treatment of Drug and Alcohol Poisoning and in the Treatment of Certain Conditions of Poisoning, Especially Metallic Poisonings, in Which Detoxification of the Liver Proves Beneficial; Mental Affections Due to Liver Diseases, Improving the Technique of Cholecystography, Treatment of Pneumococcic Infections, Treatment of Constipation, Treatment of Allergic Diseases, Use in Testing the Velocity of the Blood Flow, the Preparation in Solution Form Usually Being Used for Intravenous and Intramuscular Injection.
Claims use since May 15, 1930.

Reg. No. 436,520. Registered Feb. 10, 1948. Ames Company, Inc., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

PERNOSTON

For Preparation Used as Hypnotic, Sedative, and Anesthetic.
Claims use since Feb. 15, 1933.

Reg. No. 436,521. Registered Feb. 10, 1948. Ames Company, Inc., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

SIGMODAL

For Hypnotic Agent for Rectal Administration.
Claims use since Aug. 10, 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 85,306. Registered Feb. 6, 1912. Carl Zeiss, Jena, Germany. Republished by Wollensak Optical Company, Rochester, N. Y., a corporation of New York.

Amatar

For Objective Lens Systems.
Claims use since Apr. 1, 1909.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 281,419. Registered Mar. 17, 1931. Kaufmann Department Stores, Inc., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

SENTINEL

For Refrigerators.
Claims use since about Nov. 12, 1930.

CLASS 37

PAPER AND STATIONERY

Reg. No. 444,467. Registered Apr. 10, 1951. Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware. Republished by registrant.

FAVORITE

For Paper Tablets; Account, Data, and Order Books; Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded; Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes, or Banded; Papeteries—i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded Put Up in Boxes, Portfolios, or Banded Packages; Envelopes; Paper Packets or Folders for Loose Paper, and Index Cards or Guides.
Claims use since 1904.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 91,645. Registered Apr. 25, 1911. Tribune Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

THE WORLD'S GREATEST NEWSPAPER

For Newspapers.
Claims use since 1893.

CLASS 39

CLOTHING

Reg. No. 282,652. Registered Apr. 28, 1931. The Urman-Burger Hat Mfg. Co., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BARCLAY

For Men's Hats.
Claims use since Nov. 15, 1930.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 429,279. Registered Apr. 29, 1947. American Spangle Corp., New York, N. Y., a corporation of New York. Republished by registrant.

"Amspangle"

For Spangles, Sequins.
Claims use since January 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 54,933. Registered Aug. 7, 1906. Charles & Co., New York, N. Y. Republished by Charles & Co., Inc., Bronx, N. Y., a corporation of New York.



For Fresh Fruits and Vegetables.
Claims use since about April 1890.

Reg. No. 184,634. Registered May 27, 1924. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

GRISDALE

For Canned Vegetables.
Claims use since Jan. 2, 1921.

Reg. No. 185,096. Registered June 10, 1924. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

GARDEN BEAUTY

For Canned Vegetables.
Claims use since Aug. 1, 1922.

Reg. No. 259,731. Registered Aug. 6, 1929. Silbernagel & Company, Pine Bluff, Ark. Republished by Silbernagel Company, Inc., Pine Bluff, Ark., a corporation of Arkansas.

SILCO

For Hen Feed, All-Grain Feed, Heavy Grain Feed, Mincemeat, Rolled Oats, and Canned Corn.
Claims use since 1921.

Reg. No. 261,644. Registered Sept. 17, 1929. Barker-Miller Distributing Company, Phoenix, Ariz. Republished by Miller-Johns Company, Phoenix, Ariz., a co-partnership.

GREEN-GOLD

For Fresh Lettuce.
Claims use since Feb. 1, 1928.

Reg. No. 292,794. Registered Mar. 29, 1932. Harvey Geroux, Los Angeles, Calif. Republished by registrant.

HARVEY'S

All wording except the notation "H-P-S" is disclaimed apart from the mark as shown.
For Pickling Solution for Meat and Meat Products.
Claims use since Sept. 15, 1931.

Reg. No. 328,808. Registered Oct. 8, 1935. Gristede Bros., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Bronx, N. Y.

GRISDALE

For Dried Vegetables Such as Lima Beans, Marrow Beans, Lentils, Green Split Peas, Yellow Split Peas, Pea Beans; Vegetables in Cans and in Glass Such as Asparagus, Asparagus Tips, Lima Beans, Green String Beans, Baked Beans, Beets, Carrots, Corn, Peas, Spinach, Succotash, Vegetables for Salad; Dried Fruits; Apples (Baked); Applesauce; Canned Fruits, Such as Apricots, Cherries, Peaches, Pears, and Pineapple; Canned Figs; Canned Fruit Salad; Canned Prunes; Jams, Jellies, Fruit Preserves, and Marmalades in All Flavors; Fancy and Wild Rice; Soups Such as Chicken Broth With Rice; Chicken and Egg Noodles; Canned Salmon; Coffee; Tea and Tea Balls; Walnuts; Canned Tomatoes; Tomato Juice; Tomato Juice Cocktail; Tomato Catsup; Grape Fruit Juice and Prune Juice for Food Purposes; Canned Fruit Cocktail; Chili Sauce; Cranberry Sauce; Mayonnaise; Salad Dressing; Chocolate Pudding and Chocolate Flavor Desserts; Gelatine (All Flavors); Food Flavoring Extracts Such as Almond, Lemon, Orange, Vanilla, Rose, Cinnamon; Spices (Whole and Ground); Vinegar (Cider and White); Olives; Olive Oil in Tins and Bottles; Salt.
Claims use since Jan. 2, 1921.

Reg. No. 335,494. Registered June 2, 1936. Milk Minerals Co., Inc., New York, N. Y., now by change of name to Protein Mineral Co., Inc., assignor to Milk Minerals Co. Inc. Republished by Mead Johnson & Company, Evansville, Ind., a corporation of Indiana.

LACTICAM

For Powdered Whey Concentrate With Added Milk Minerals.
Claims use since June 8, 1935.

Reg. No. 425,015. Registered Oct. 29, 1946. R. G. Moench & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

POLYCOID

For Edible Powdered Mixture for Use in the Manufacture of Frozen Confections.
Claims use since Dec. 27, 1945.

Reg. No. 425,016. Registered Oct. 29, 1946. R. G. Moench & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

SHERACOID

For Edible Powdered Mixture for Use in the Manufacture of Frozen Confections.
Claims use since Dec. 27, 1945.

Reg. No. 438,561. Registered May 4, 1948. R. G. Moench & Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

MIXACOID

For Edible Powdered Mixture for Use in the Manufacture of Frozen Confections.
Claims use since Dec. 27, 1945.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 316,374. Registered Aug. 21, 1934. Hunter Gwynnbrook Distilling Corporation, Baltimore, Md. Republished by Hunter-Wilson Distilling Co., Inc., New York, N. Y., a corporation of Maryland.

"First over the Bars"

For Whiskey.
Claims use since about 1860.

Reg. No. 329,247. Registered Oct. 22, 1935. Hunter Baltimore Rye Distillery, Inc., Baltimore, Md. Republished by Hunter-Wilson Distilling Co., Inc., New York, N. Y., a corporation of Maryland.

"First Over the Bars"

For Whiskey.
Claims use since about 1860.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 286,372. Registered Aug. 25, 1931. Newport Chemical Works, Incorporated, Carrollville, Wis. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

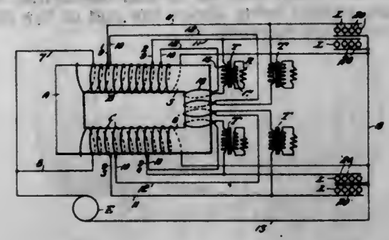
ROSE BOSPHORE

The word "Rose" is disclaimed apart from the mark as shown.
For Synthetic Perfume.
Claims use since July 19, 1930.

REISSUES

SEPTEMBER 11, 1951

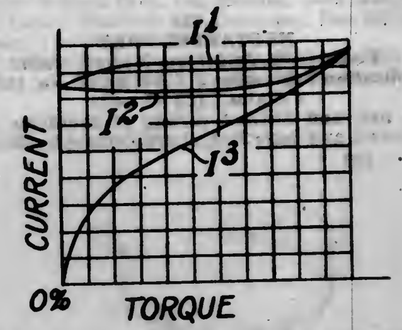
23,409
TRANSFORMER
Ariel E. Davis, Provo, Utah
Original No. 2,361,384, dated October 31, 1944, Serial No. 420,286, November 24, 1941. Application for reissue March 26, 1951, Serial No. 217,662
3 Claims. (Cl. 323—43.5)



1. A transformer comprising a core; a main winding on said core; a multiplicity of independently operated, individual circuit load control brushes mounted to operate longitudinally along the surface of said main winding, making continuous contact therewith; a multiplicity of single windings each being of the same potential as one complete turn of the main winding, each being connected in series with an auxiliary current limiting transformer and connected to one of the individual control brushes so that the single winding is either in parallel with the turns of the main winding when the brush is covering adjacent turns, that are being traversed, or forms a closed circuit within itself at such times as any brush is completely contacting a single turn of the main winding, said auxiliary transformer limiting the current in the single winding.

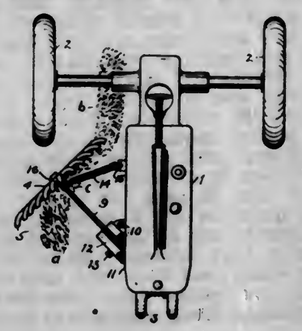
23,410
ELECTRONIC CONTROL FOR ALTERNATING CURRENT TRANSLATING DEVICES
William H. Elliot, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Original No. 2,448,256, dated August 31, 1948, Serial No. 587,245, April 9, 1945. Application for reissue June 16, 1949, Serial No. 99,531
27 Claims. (Cl. 318—212)

27. A motor control system, comprising an alternating-current multi-phase motor having primary terminals, multi-phase circuit means connected to said terminals for supplying alternating current, only one phase of said circuit means having a controllable discharge tube series-connected with said circuit means, said tube having a control circuit for varying the conductive intervals of the tube, a source of variable control voltage connected to said motor so as to provide a control voltage varying in dependence upon the motor speed, a source of a constant control voltage, said two voltage sources being connected to each other and being both connected to said control circuit for controlling the latter in accordance with the resultant effect of the two control voltages, and operator-actuable control means associated with one of said sources for selectively adjusting the variable control voltage and constant control voltage relative to each



other so as to obtain a given control condition of said control circuit at a motor speed determined by the selected setting of said control means.

23,411
WINDROW TURNER
Roy A. Stenzel, Cambridge, Ill.; Margaret Stenzel, executrix of said Roy A. Stenzel, deceased, assignor, by direct and mesne assignments, to Patents and Development, Inc., Raleigh, N. C., a corporation of North Carolina
Original No. 2,486,766, dated November 1, 1949, Serial No. 626,930, November 6, 1945. Application for reissue October 23, 1950, Serial No. 191,713
17 Claims. (Cl. 56—372)



10. A windrow turning device for use with a farm vehicle comprising a wheel-like element, means to support said element for rising and falling movement with respect to the farm vehicle and for rotation in its own plane and at an angle to the direction of movement of the vehicle by the resistance of obstructions against the lower portion of the element as the latter is advanced with the vehicle, said element including tines which are bent with respect to a radius of said wheel-like element so as to cause the free ends of the tines to extend in a trailing direction with respect to the direction of rotation of the wheel-like element.

PLANT PATENTS

GRANTED SEPTEMBER 11, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

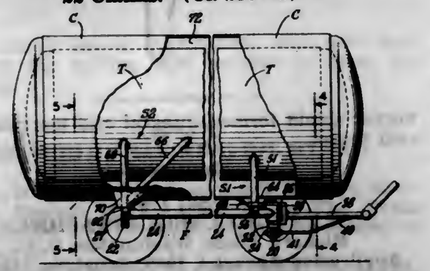
1,035
NECTARINE TREE
Frederic W. Anderson, Merced, Calif.
Application September 9, 1950, Serial No. 183,975
1 Claim. (Cl. 47—62)

A new and distinct variety of nectarine tree, as shown and described, characterized by its close physical resemblance to the Le Grand nectarine, including large clingstone fruit which is yellow, blushed red exteriorly and with firm yellow flesh, but having a ripening period approximately three weeks later than said Le Grand nectarine; such ripening period being about the end of the Stanwick nectarine harvest.

PATENTS

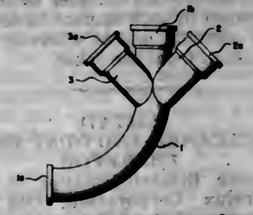
GRANTED SEPTEMBER 11, 1951

2,567,164
PORTABLE LIQUID CONTAINER
John J. Brehany and Phillip M. Ahlstrand, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 22, 1945, Serial No. 618,020
22 Claims. (Cl. 280—5)



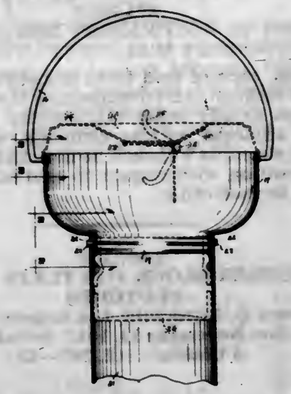
1. A tank vehicle comprising a frame including first and second transverse members, and longitudinal connecting means secured to said first member and pivotally connected to said second member on a longitudinal pivot; a casing arranged longitudinally above said frame; a tank within said casing in spaced relation thereto; first supporting means for one end of said tank and said casing connected to said longitudinal connecting means adjacent to but independent of said second transverse member; and second supporting means for the other end of said tank and said casing connected to said frame at a locality spaced longitudinally from said second transverse member toward said first transverse member; each of said first and second supporting means including compression members secured to both said tank and said casing for maintaining said spaced relation.

2,567,165
Y QUARTER BEND PLUMBING FITTING
Fred D. Buskirk, San Diego, Calif.
Application December 20, 1947, Serial No. 793,031
9 Claims. (Cl. 285—210)



1. In a Y quarter bend base plumbing fitting of the class described, the combination of a 90 degree curved tubular portion having a male fitting portion on the lower end and a female hub connection at the upper end and a Y portion angularly extending adjacent to said female hub portion disposed at substantially less than ninety degrees to said tubular portion and provided with a female hub portion at the end thereof, said Y-portion open upwardly near said female hub connection of said curved tubular portion.

2,567,166
RECEPTACLE CONSTRUCTION
Marion Talbert Dick, Des Moines, Iowa, assignor to Cadet Smokestands Company, Des Moines, Iowa, a business trust
Application January 5, 1948, Serial No. 618
4 Claims. (Cl. 232—43.2)

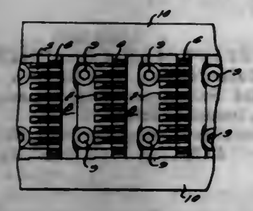


1. A tubular supporting column having an upper rim resting in a horizontal plane, a bowl normally resting on the upper rim of said column having an inwardly sloping side wall and a bottom portion of a diameter greater than the diameter of said column for providing a seating shoulder for engaging and extending over and beyond the upper rim of said column whereby said bowl will be supported on said column in normal upright attitude; said bowl having an opening in its center bottom, a container on the bottom of said bowl communicating with the inside bottom of said bowl through said opening in the bowl center bottom, and slidably extending into the upper portion of said column and being closely housed and visibly shielded thereby, a hopper top on the upper portion of said bowl having a movable trap door; said trap door operating within the confines of said bowl and completely free of the area of said container whereby the diameter of the container and the diameter of the opening in the bottom of the bowl does not affect or restrict the size or operation of said trap door; said bowl solely supporting said container, said hopper top, and said trap door and said column solely supporting said bowl.

2,567,167
HOB
Joseph C. Drader, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Michigan
Application February 4, 1949, Serial No. 74,513
2 Claims. (Cl. 29—105)

1. A hob for cutting gears including in combination a body having opposite ends, a peripheral surface and an axis parallel thereto, a plurality of toothed cutting elements, each of identical form and length extending generally axially of said body and releasably anchored in position on

the peripheral surface of said body, a demountable member anchored to each end of said hob body, said members serving to engage the ends of said toothed cutting elements and locate the same precisely with respect to the hob body and with respect to each other, said demountable members each having a series of progressively axially off-



set faces, each of said faces engaging one of said cutting elements and maintaining the teeth thereof in an axially offset relationship to the teeth of the adjacent cutting elements, whereby said cutting elements will each lie in a slightly different axial position with respect to said body and with respect to each other.

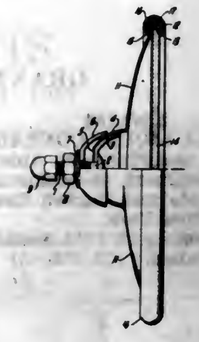
2,567,168
RUBBER BLOCK FOR PLATE TYPE CLUTCHES
Henry C. Goodchild, Los Angeles, Calif.
Application November 14, 1947, Serial No. 785,975
6 Claims. (Cl. 267—63)



1. A clutch cushion of the character described including, a body of rubber in the form of a block with a flat side, and a retaining spool carried by the body having a shank engaging the said side of the body and heads on the ends of the shank projecting from the body at said side and partially contacting said body adjacent said side.

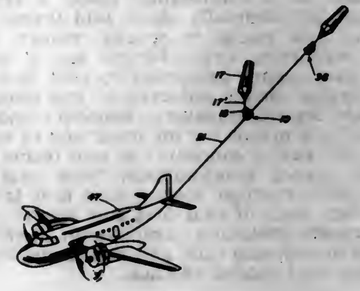
2,567,169
REARVIEW MIRROR
Fred Green and William O. Horne, Los Angeles, Calif., assignors to S & M Lamp Co., Los Angeles, Calif., a corporation of California
Application June 20, 1949, Serial No. 100,138
2 Claims. (Cl. 287—12)

1. A rear view mirror mounting assembly comprising: a bolt; identical front and rear hemispherical cups snugly mounted on said bolt; a hemispherical socket mounted on said bolt between said cups and in surface engagement with one of said cups, the inner radius of the other cup being slightly smaller than the outer radius of said socket; a spring washer mounted on said bolt behind said rear cup; a nut threaded on said bolt behind said spring washer; and a dished



mirror shield formed integral and merging with said socket.

2,567,170
TOW TARGET CABLE ATTACHMENT
Richard Aiken, Washington, D. C.
Application August 4, 1949, Serial No. 108,628
7 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

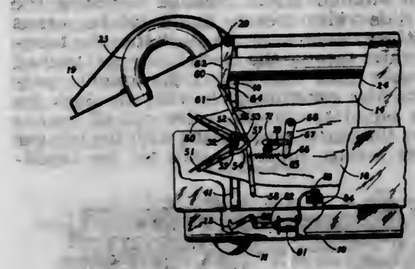


1. The combination with a cable having an obstruction thereon of a traveler adapted to slide on the cable and strike the obstruction, means operated by impact of the traveler with the obstruction to secure the traveler to the cable, and means operated by said impact to sever the cable behind the securing means whereby the obstruction is separated from the cable.

2,567,171
SUCTION CLEANER AND DUST RECEPTACLE THEREFOR
Emil Anderson, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 4, 1947, Serial No. 739,416
15 Claims. (Cl. 183—51)

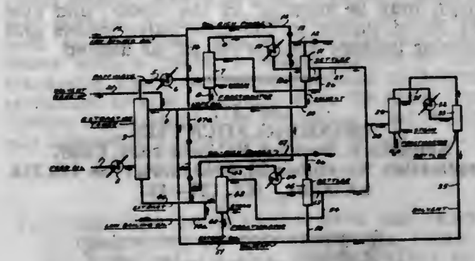
1. In a vacuum cleaner, a casing forming a dust receptacle chamber, a dust receptacle receivable in said chamber, said receptacle being formed with an inlet opening and a portion foldable to close said opening, a conduit engageable with said inlet opening, means for permanently and movably supporting said conduit from said

casing independently of said opening so that the conduit is movable out of engagement with said opening, and structure operable by movement of



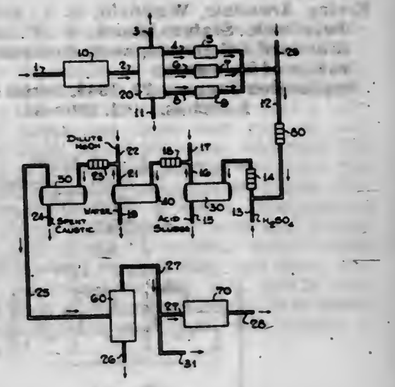
said conduit out of engagement with said inlet opening for folding said portion to close the opening.

2,567,172
METHOD OF REFINING OIL WITH A SOLVENT
George B. Arnold, Glenham, and William E. Skelton, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 28, 1948, Serial No. 11,988
6 Claims. (Cl. 196—14.48)



1. In the solvent refining of kerosene and light gas oil, the difference between the initial true boiling point of the oil and the boiling temperature of the solvent being less than about 75° F. and wherein the feed oil is subjected to contact in an extraction zone with a water-miscible organic solvent liquid, extract and raffinate phases are formed, said phases separately removed from the extraction zone, each of said phases comprising oil and solvent and the removed phases separately treated to recover solvent from the oil for re-use in the extraction zone, the method of treating said removed phases comprising commingling with a removed phase as obtained from said extracting zone, a substantial quantity of added oil boiling intermediate the boiling temperature of water and the solvent and capable of ternary azeotrope formation therewith, passing the resulting mixture into a steam distillation column, effecting distillation thereof in the presence of steam, the amounts of steam and added oil being sufficient to form ternary water-oil-solvent azeotropes with substantially all of the solvent present in the removed phase passing to the steam distillation column, removing resulting ternary azeotropes as a distillate from said distillation column, said distillate containing substantially less water than when the distillation is effected in the absence of said added oil, separately removing from the distillation zone a residual liquid of product oil substantially completely free from solvent, discharging said residual liquid, subjecting said distillate to condensation, subjecting the resulting condensate to settling in a settling zone at a temperature in the range about 70 to 150° F., forming in said settling zone oil-rich, water-rich and solvent-rich layers, respectively, withdrawing liquid from each of said layers, recycling withdrawn water-rich liquid as reflux to the upper portion of said column and recycling withdrawn oil-rich liquid to the lower portion of said distillation column to re-supply said added oil.

2,567,173
PROCESS FOR PRODUCTION OF HIGH QUALITY PETROLEUM PRODUCTS
Erving Arundale and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 12, 1949, Serial No. 70,424
10 Claims. (Cl. 196—40)

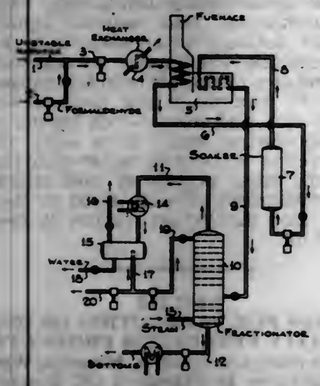


1. Improved process for removing constituents from hydrocarbons boiling in the motor fuel boiling range which tend to cause engine uncleanliness when burned in internal combustion engines which comprises contacting a liquid petroleum hydrocarbon boiling in the motor fuel boiling range with a dilute aqueous mineral acid of about 30–80% concentration and containing from about .5 to 5% of an aldehyde by weight based upon the hydrocarbon feed.

2,567,174
PROCESS FOR IMPROVING STABILITY AND ENGINE CLEANLINESS CHARACTERISTICS OF PETROLEUM FRACTIONS
Erving Arundale and Joseph P. Haworth, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 24, 1949, Serial No. 72,416
6 Claims. (Cl. 196—35)

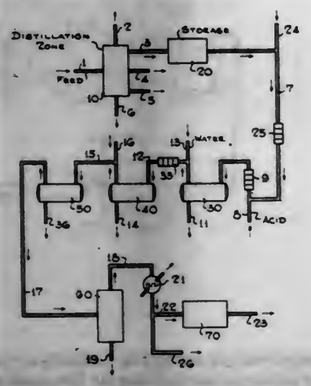
1. Process for the refining of petroleum fractions boiling below about 370 C. to improve stability and engine cleanliness which comprises

contacting said petroleum fraction with a treating agent consisting solely of formaldehyde at a



temperature in the range of about 100° C. to 400° C.

2,567,175
DESULFURIZATION AND SWEETENING OF VIRGIN DISTILLATES WITH AN ALDEHYDE
Erving Arundale, Westfield, N. J., and Edwin E. Juterbock, Staten Island, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
Application January 27, 1949, Serial No. 73,106
9 Claims. (Cl. 196—31)



1. Process for the removal of objectionable sulfur compounds from virgin naptha containing the same which comprises treating said oil with a reagent consisting of 0.05 to 0.5% by weight, based upon the oil, of an aldehyde selected from the group consisting of formaldehyde and acetaldehyde and with sulfuric acid in such amount that the concentration of the acid is in the range from about 50 to 88% in the aqueous phase of the mixture.

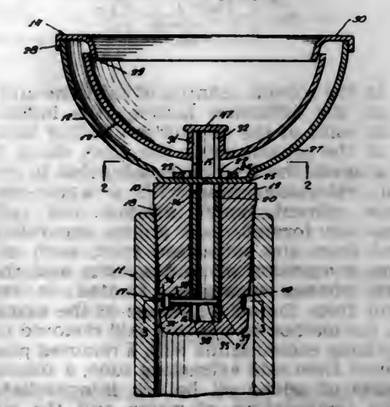
2,567,176
FIRE FIGHTING NOZZLE
Edward D. Ballard, Orlando, Fla.
Application March 31, 1948, Serial No. 18,123
28 Claims. (Cl. 299—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A nozzle adapted to direct fire extinguishing liquid of controlled consistency to burning material, which comprises, in combination, a hollow stock, means for supplying liquid to the stock, a hollow elongated barrel carried by the stock, tubular slide valve means positioned in the barrel in spaced relation thereto and defining with the barrel an annular liquid passage enclosing the tubular slide valve means, liquid intake means for admitting liquid from the stock into the tubular slide valve means, the stock being maintained continuously filled with liquid, the annular passage being also communicable with the stock for receiving liquid therefrom, valve cut-off means carried by the barrel cooperating with the tubular slide valve means, control means for the liquid-



intake means for the tubular slide valve means, and a single actuating means for selectively actuating the tubular slide valve means for controlling admission of liquid into the said tubular slide valve means for production of a solid stream of liquid therefrom, into the tubular slide valve means and the annular passage, selectively, the annular passage ejecting the liquid as a hollow stream, whereby a solid stream, a spray, or a combined solid stream and hollow stream, selectively, may be supplied by the nozzle, and also the liquid supply to the slide valve means and annular passage may be cut off, as desired.

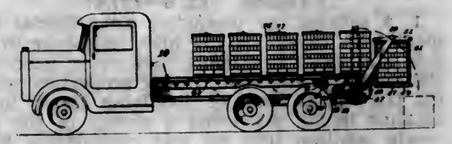
2,567,177
DRINKING FOUNTAIN
Kenneth E. Beckley, Baldwin Park, Calif.
Application November 22, 1949, Serial No. 128,713
4 Claims. (Cl. 137—68)



3. A drinking fountain comprising a tapered plug having therein a longitudinally extending bore open to the larger end of said plug and closed at the smaller end of the latter and a valve hole extending radially of said plug from said bore near the closed end of the latter to the exterior of said plug, a valve seat in said valve hole, a valve assembly in said valve hole cooperating with said seat to control the flow of water through said valve hole into said bore, a stem extending through said bore and connected at one end with said valve assembly to

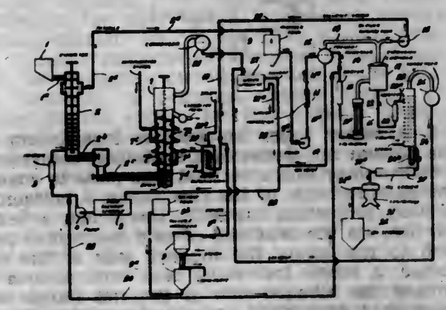
operate the latter, an outer cup secured on said plug at the larger end of the latter and having an aperture therein through which said stem extends, an inner cup circumspatially disposed in said outer cup and frictionally secured to said stem, said inner cup when empty being buoyant in water in said outer cup to raise such stem and operate said valve assembly to admit water through said valve hole and said plug bore to said cups and when filled being nonbuoyant to lower said stem and operate said valve assembly to preclude flow of water to said cups.

2,567,178
TRUCK FOR LOADING AND CONVEYING BUILDING MATERIALS
Milton William Bird, Wenatchee, Wash.
Application November 30, 1948, Serial No. 62,705
5 Claims. (Cl. 214—77)



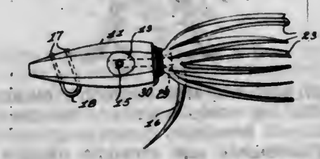
1. In a truck loading and unloading device for handling building materials stacked on pallets, the combination with a vehicle having a drive shaft, of a power transmission gear assembly associated with said shaft and containing a revoluble transverse shaft having terminal pinions keyed thereto, cantilever lifting arms actuated by said pinions, a hoist frame carried by the free ends of said arms, means for connecting said frame with a pallet, a winch carried by said transverse shaft, and crank operated shift arms connected to said pinions to slide the same from driving engagement with the lifting arms to permit independent operation of said winch.

2,567,179
CONTINUOUS PROCESSES FOR SOLVENT EXTRACTION OF OIL FROM OIL-BEARING MATERIALS AND REFINEMENT OF THE RESIDUAL SOLID PRODUCT
Michele Bonotto, Princeton, N. J.
Application July 23, 1945, Serial No. 606,638
4 Claims. (Cl. 260—412.8)



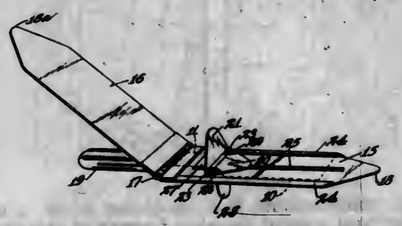
1. The process of solvent extraction and refining of vegetable and animal substances consisting in subjecting the raw material to oil extraction with a liquid solvent having a boiling point less than the condensation point of steam by continuously moving the raw material through an extraction column and causing the temperature of the residual meal product to be lower than the condensation temperature of steam, feeding the residual product in an operation continuous with said extraction from the lower end of said extraction column into a direct-dryer, elevating the temperature of the meal product to a point approximating the condensation temperature of steam by blowing vapors of a solvent similar to that employed in the subjection of material to oil extraction heated to a temperature above the condensation point of steam directly into said residual product in such continuous operation to bring said product to a temperature approximating said steam condensation point, and then blowing steam directly into said vapor-heated product to eliminate by steam distillation the solvent therefrom.

2,567,180
METAL SQUID FISHING LURE
Gustav E. Bunkowski, San Diego, Calif.
Application June 28, 1949, Serial No. 101,824
4 Claims. (Cl. 43—42.28)



1. In a fishing lure, an elongated body provided with a longitudinally extending axial bore, loop means dependingly carried adjacent one end of said body for the securement thereto of a fish line, a hook including a shank and a barb dependingly supported from one end of said shank, said hook being disposed adjacent the other end of said body and having the other end of said shank extending into said bore and slidably supported therein, a spool circumposed about said shank adjacent said barb and fixedly secured to said shank, a flexible multi-strand tail having one end surrounding said spool and operatively connected thereto, and means carried by said body and engageable with said shank for fixedly positioning said spool with respect to said body.

2,567,181
SHEET INSERTER FOR IDENTIFYING THE CONTENTS OF SHIPPING CONTAINERS
Raymond S. Bye, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application February 12, 1945, Serial No. 577,530
6 Claims. (Cl. 226—2)



6. In a sheet inserter for cutting a slit in a shipping carton and inserting a tongued sheet in the carton with the tongue left outside of the carton in a position to be grasped for removal, a flat elongate blade upon whose upper surface the tongued sheet may rest with the tongue extending rearwardly, the blade having a cutting edge at its forward end for cutting the said slit,

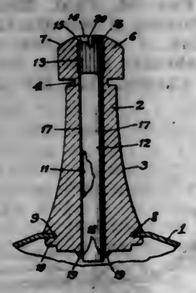
lateral retaining means along the side edges of the blade to limit lateral movement of the sheet, upper retaining means above the upper surface of the blade to limit upward movement of the sheet, and two stop members positioned to limit rearward movement of the sheet, the said stop members being spaced apart to accommodate the tongue between them.

2,567,182
TOURNIQUET
David Cohen, New York, N. Y., assignor to Safety Tourniquet Corporation, New York, N. Y., a corporation of New York
Application October 7, 1949, Serial No. 120,100
2 Claims. (Cl. 128—327)



1. A physician's and surgeon's clamp tourniquet including complementary members hinged together, said members comprising curved limb-gripping elements and straight handle portions for operating the gripping elements, the inner terminal of one handle having a slot extending therethrough, the inner terminal of the other handle having a recess in substantial alignment with the slot, an arcuate ratchet having at one end a retated extension and a shoulder, the extension being pivoted within the recess of one handle, a single spring fixed to the inside edge of the latter handle and having its opposite free terminal bifurcated and straddling the extension and engaging the shoulder, and the other end of the ratchet passing through the slot of the other handle and engageable with the inner wall thereof for locking the elements in a variety of positions.

2,567,183
SPOUT CLOSURE
Arthur J. Collins, Chicago, Ill.
Application October 14, 1948, Serial No. 54,553
11 Claims. (Cl. 220—27)

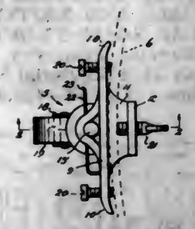


8. In combination, in a container cover, a cap member and a spout member formed of relatively weak material secured to said cap, said spout member being provided with a bore running from end to end thereof and being provided with an enlarged top member roughened on its exterior, the spout having a portion of reduced thickness suitable for breakage and a plug member extending throughout the length of said passage, said plug member formed with an enlarged head positioned within the enlarged top of said spout, a major part of said passage being of such diameter that the plug fits relatively loosely in it, said passage being provided with an inwardly extending enlargement which embraces said plug with a tight sliding fit, said top member and said plug at its upper end being slotted, said plug being formed of a material stronger than the material of said spout.

2,567,184
HARDENING CASEIN ARTIFICIAL FIBERS WITH TITANIUM, ZIRCONIUM OR TIN SALTS
John F. Corwin, Unadilla, John R. Calhoun, Bainbridge, and Thomas M. Buxse, Unadilla, N. Y., assignors to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 6, 1948, Serial No. 320
8 Claims. (Cl. 8—127.6)

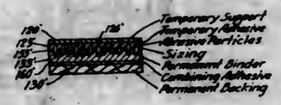
1. A process for producing an artificial filament from casein having high resistance to hot acid and alkali treatment, light color, good tensile strength, and even dyeing properties, utilizing the initial steps of dissolving casein in an alkaline liquid, delivering a stream of the said casein solution into an acid coagulating bath, and hardening the coagulated casein in a second bath containing at least formaldehyde, comprising the inventive step of treating the coagulated and hardened fibers from the hardening bath, without intermediate drying, by the application thereto of an aqueous solution of a salt of a metal selected from the group consisting of titanium, zirconium, and tin in a concentration within the range between 0.5% and saturation, at a bath pH within the range between 0.8 and 3 and at a temperature between 120° F. and 200° F.

2,567,185
CASTER BRACKET FOR CANS
Dominick Coviello, Newark, N. J.
Application September 30, 1949, Serial No. 118,821
4 Claims. (Cl. 16—30)



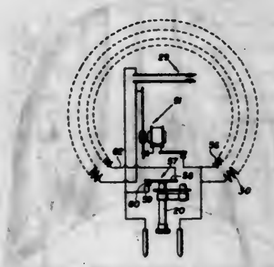
1. A caster roller bracket for installation on the bottom rim flange of a container, comprising a body comprising a vertical face plate to engage the outboard side of the rim flange, a horizontal portion projecting inwardly therefrom, a vertical arm on the rear end of said horizontal portion to rise along the inboard side of the rim flange, a screw traversing said vertical arm to engage the inboard side of the rim flange and force said face plate against the outboard side of the rim flange, journal means on said face plate, and a caster having a spindle journaled in said journal means and a rest engaging the lower of said body, and a swiveled wheel below said rest, said journal means comprising upper and lower keepers projecting on the outboard side of said face plate with said caster spindle confined between said keepers and the outboard side of said face plate.

2,567,186
INVERSE METHOD OF FORMING PARTICULATE COATED SHEETS
Bert S. Cross, St. Paul, and George P. Netherly, Afton, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Original application November 12, 1943, Serial No. 510,010. Divided and this application June 23, 1948, Serial No. 34,804
9 Claims. (Cl. 154—95)



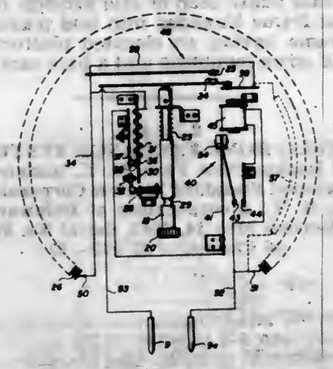
8. In the method of forming laminated sheet material which comprises a backing sheet, a binder layer and a layer of particles bonded therein, the steps comprising coating the layer of particles onto a temporary support, coating a layer of binder material in viscous, plastic state over the layer of particles, applying the backing sheet to the binder layer and removing the temporary support.

2,567,187
COFFEE MAKER
George B. Davis, Jr., Green Acres, Md.
Application September 7, 1945, Serial No. 614,917
5 Claims. (Cl. 99—281)



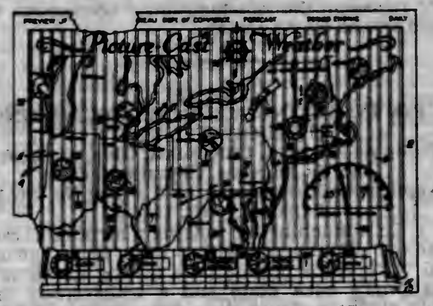
1. A coffee maker comprising a first vessel for heating water, a second vessel for infusing coffee, a liquid transfer tube connecting said vessels, a support for said vessels, a primary electric heating element and an auxiliary electric heating element respectively mounted in said support, an energizing circuit for each of the heating elements, a primary control switch arranged in the circuit for the primary heating element, a second switch arranged in the circuit for the auxiliary heating element, a switch operating member common to both of said switches for closing the primary control switch and opening the second switch in a single operation, a vibrative circuit closer, latch means operatively engageable with the primary control switch for releasably retaining the latter closed and the second switch open, electromagnetic means arranged in the circuit for the primary electric heating element for stopping vibrations of the vibrative circuit closer, and said latch means including a latch arm serving as an armature adapted to be attracted by the electromagnetic means for releasing the primary control switch and the switch operating member for movement of the primary control switch to open position and movement of the second switch to closed position.

2,567,188
COFFEE MAKER
George B. Davis, Jr., Green Acres, Md.
Application September 7, 1945, Serial No. 614,918
2 Claims. (Cl. 99—281)



1. A coffee maker comprising a first vessel for heating water, a second vessel for infusing coffee, a liquid transfer tube connecting said vessels, a resiliently mounted support for said vessels, an electric heating element disposed in said support, a switch disposed in said support and arranged in electrical circuit with the heating element for controlling said circuit, said switch having an "on" position and an "off" position, latch means operatively engageable with the switch for releasably retaining the latter in an "on" position, a bimetallic strip mounted in operative position to said latch and movable when heated to move the latch to a position releasing said switch, a heating resistor mounted in close proximity to said metallic strip, an energizing circuit connected with the resistor, and a vibrative assembly mounted in said support and including circuit making and breaking means arranged in said energizing circuit for completing the latter to maintain a circuit through the resistor to thereby heat said bimetallic strip.

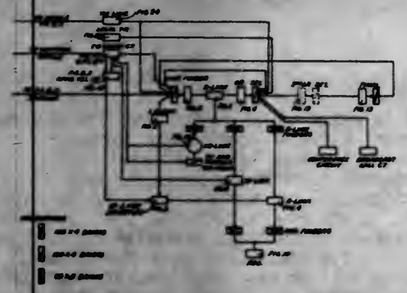
2,567,189
TELEVISION REPORTING SYSTEM
John D. Davis, Dobbs Ferry, N. Y.
Application July 25, 1949, Serial No. 106,605
8 Claims. (Cl. 35—40)



1. In a television broadcasting system a display board and a plurality of symbols to be adjustably and detachably mounted on said display board, said board being provided with a plurality of closely spaced electrical conduit strips alternately charged positively and negatively and said symbols being provided with positive and negative legs to contact said conduit strips, said sym-

bols each consisting of a transparent plastic casing having a screw mounting therein for an electric bulb and electrical connections to said screw mounting including a heat-actuated automatic make-and-break arrangement for causing flashing of said bulbs, each of said symbols having an internal frame threaded into said plastic casing, said frame having an elevated platform carrying said screw mounting and a base carrying said legs.

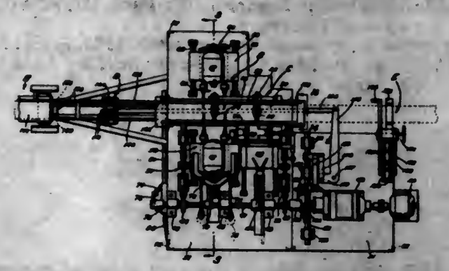
2,567,190
TELEPHONE EXCHANGE SYSTEM
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 14, 1945, Serial No. 593,602
46 Claims. (Cl. 179—27)



1. In a telephone system, a PABX having stations and city trunks, a two-conductor line leading to each station, means including automatic selector switches for establishing local and trunk connections, a controller at each station and comprising a plurality of different resistances and keys adapted momentarily to bridge one of the resistances across the line wires when a key is depressed representative of a digit of the called number for controlling the operation of the selectors, means responsive to the connection of a certain one of the resistances at the station connected with a trunk for initiating the establishment of a connection over selector switches to a second PABX station, means operative thereupon in response to the connection of resistances corresponding to the number of the second PABX station for establishing the connection to the second PABX station and means responsive to a subsequent connection of said certain resistance for releasing the last-mentioned connection with said second PABX station.

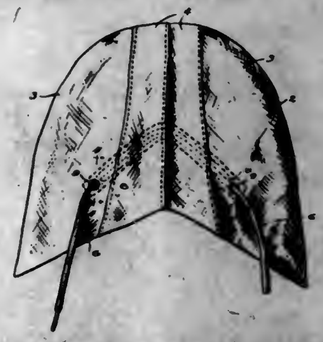
2,567,191
PIN INSERTING MACHINE FOR MAKING STRUCTURAL UNITS
Philip de Anguera, Cincinnati, Ohio, assignor to Eva de Anguera, Cincinnati, Ohio
Application November 1, 1946, Serial No. 707,127
4 Claims. (Cl. 144—31)

1. In a machine for making a structural member the combination with a base, and a horizontal work guide on the base having an elongate, stationary back plate and a transversely movable, elongate clamp plate disposed in parallelism with the back plate, of a table mounted on the clamp plate and having an open-topped, transversely extending pin holding recess formed therein, a pin box positioned for longitudinal sliding movement upon the table, a pin magazine in the box, a pin feeding passageway depending from the magazine and normally disposed above the recess to receive the lowermost pin from the passageway, a reciprocating plunger axially movable in the recess and normally adapted to axially drive the pin from the recess into a structural member held in the work guide, and means on the base for reciprocating the box and adapted



to move the passageway out of alignment with the pin recess when the plunger is at the end of its driving stroke and to return the passageway and recess to normal positions prior to the succeeding plunger drive stroke.

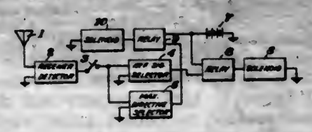
2,567,192
HEAD COVERING
Joseph De Grazia, Washington, D. C.
Application October 17, 1947, Serial No. 780,558
3 Claims. (Cl. 2—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A head covering in the form of an oversize hood closed at the top and on all sides except for a face opening, a strip of material in the form of an inverted V attached to the back of the hood with the apex and arms spaced above the lower edge of the hood and providing an inverted V-shaped channel, said hood provided with openings adjacent the lower ends of the arms of the channel, and drawstrings mounted in the channel and extending through said openings.

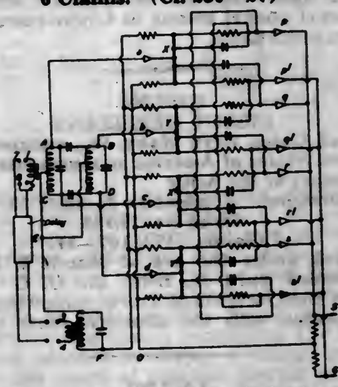
2,567,193
INDICATOR FOR DIRECTION FINDERS
Louis A. de Rosa, Bloomfield, N. J., and Bernard Howard, Smithtown, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 7, 1945, Serial No. 609,479
4 Claims. (Cl. 343—106)

1. A directional indicating receiver for use with an omnidirectional beacon of the type which transmits a given directive signal rotatably in different angular positions around said beacon and a given omnidirectional reference signal when said directive signal is aligned in a predetermined reference direction comprising: means for receiving and separately selecting said directive signals and said reference signals, an azimuth dial, a spring actuated cloth mechanism, means for tensioning said spring actuated by said refer-



ence signal, a cam, means to rotate said cam in synchronism with the rotation of said directive signal, a cam follower, means actuated by said directive signal to instantaneously engage said cam follower and said cam, and indicating means connected to said dial the direction of the received directive signal.

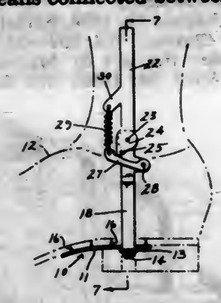
2,567,194
ELECTRIC FREQUENCY DISCRIMINATOR
Charles William Earp, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 22, 1948, Serial No. 50,650
In Great Britain September 29, 1947
6 Claims. (Cl. 250—27)



1. An electric frequency discriminator for frequency monitoring a signal carrier wave, comprising means for applying the wave together with a reference carrier wave to a first plurality of rectifiers in a plurality of different phase relationships to yield a plurality of differently phased output waves having an alternating current component corresponding to the amplitude envelope of the combined waves, means for combining the alternating current components of said output waves in pairs, means for applying the combined pairs of output waves respectively to a second plurality of rectifiers and means for deriving from a combination of all the rectified output waves, an output voltage representing the frequency deviation of the signal carrier wave.

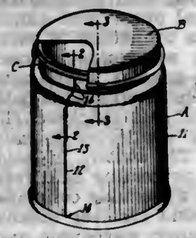
2,567,195
ORTHOPEDIC DROP-FOOT BRACE
Emmett C. Ellery, North Hollywood, Calif.
Application March 5, 1946, Serial No. 652,016
10 Claims. (Cl. 128—80)

9. An orthopedic brace comprising an upper brace member constructed and arranged to be attached to the leg of a wearer, a lower brace member pivotally connected to the upper brace member and constructed and arranged to be attached to the shoe of a wearer, brake means on said members for resisting pivotal movement of the members, said brake means including a stationary element on one of said members and a movable element on the other of said members frictionally engaging the stationary element, and a resilient means connected between the member



carrying the stationary element and the movable element of the other member for operating said movable element, said resilient means being so positioned with respect to the pivotal connection between said members as to urge said members pivotally to a predetermined position.

2,567,196
CONTAINER WITH COMPRESSIBLE SEALING GASKET AND PRYOFF COVER
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 13, 1947, Serial No. 768,348
1 Claim. (Cl. 220—46)



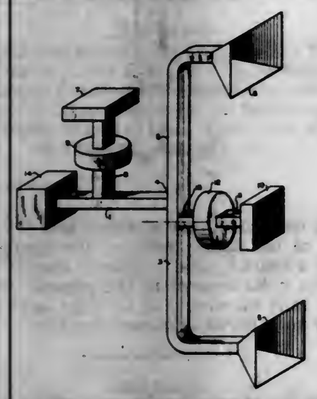
A container for food products and the like comprising a tubular container body having a lock and lap side seam, an outwardly bent false wire curl formed in one end of the container body in a lapped region of the said side seam, the double layer thickness of the lap presenting an offset surface in said curl and in the adjacent body wall, a sealing ring of compressible material surrounding said container body in said lapped region, said ring having a marginal edge portion confined within and completely filling the body curl, the terminal edge of said body curl including the offset of the double layer thickness being embedded in said ring and effecting a hermetic seal between the ring and the container body and sealing off the terminal end of any possible opening adjoining the side seam, the body wall adjacent said body curl at the lapped region of the side seam having its offset outer surface also embedded in said compressible sealing ring, and a cover having a continuous imperforate wall section encircling said sealing ring and engaging a pendent portion, said cover imperforate wall compressing said sealing ring between its wall and the container body to embed the offset surface of the body adjacent said body curl for completing the hermetic sealing of the container.

2,567,197

DUPLEX SWITCH WITH SUM AND DIFFERENCE FREQUENCY RECEIVERS

Nelson Fox, Metedeconk, N. J., assignor to the United States of America as represented by the Secretary of the Army

Application August 30, 1950, Serial No. 182,387
4 Claims. (Cl. 250—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An antenna system comprising a first main waveguide having a source of high frequency energy connected thereto, a second waveguide connected to said first waveguide to form a T junction having first and second arms, the length of said arms being such that the energy propagated along said arms arrives at the ends thereof in equal phase and amplitude, separate antenna means connected to each of said arms, a first branch waveguide connected to one of said arms one quarter wavelength from said T junction whereby energy from both said antenna means arrives at said junction 180° out of phase, receiver means connected to said first branch waveguide, a TR switch in said first branch waveguide for protecting said receiver means, a second branch waveguide connected to said first waveguide, second receiver means connected to said second branch waveguide and a TR switch in said second branch waveguide for protecting said second receiver means.

2,567,198

RECEIVER AND BOLT MECHANISM FOR FIREARMS

John C. Garand, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War

Original application September 26, 1945, Serial No. 618,805. Divided and this application March 19, 1947, Serial No. 735,589
5 Claims. (Cl. 89—188)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a firearm, the improvement comprising, a hollow receiver having a bolt-way therethrough, a cam shoulder within said bolt-way, said shoulder being generally helically disposed with respect to the axis of the bolt-way, a bolt reciprocably mounted in said bolt-way and having a rotated locked position at the forward end of its reciprocating motion, a projection on the bolt constructed and arranged to engage the cam shoulder at the forward end of the bolt's reciprocating motion, whereby the bolt is rotatably cammed toward its locked position, said bolt having a laterally disposed recess, said recess having a cam wall generally helical with respect to the axis of the bolt, an actuator slidably mounted



in the firearm, and a lug on said actuator engaged in the recess in the bolt, said lug cooperating with the cam wall to complete the rotary motion of the bolt to its locked position.

2,567,199

INSECT REPELLENT

Marshall Gates, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army

No Drawing. Application January 10, 1949, Serial No. 70,135
8 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. An insect repellent composition comprising cyclohexyl phenyl ketone in a non-gaseous inert organic carrier.

2,567,200

INSECT REPELLENT

Marshall Gates, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army

No Drawing. Application January 10, 1949, Serial No. 70,138
3 Claims. (Cl. 167—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

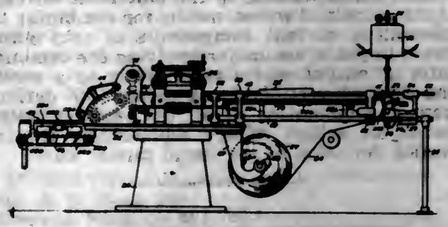
1. An insect-repellent fabric comprising fabric impregnated with the dimethyl ether of pyrogallol.

2,567,201

CIGARETTE PAPER BOOKLET MACHINE

Otto F. Goepfert, Brevard, N. C., assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C., a corporation of Delaware

Application June 1, 1945, Serial No. 597,057
5 Claims. (Cl. 270—41)



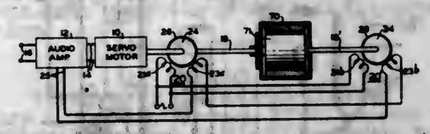
1. In a cigarette paper booklet making machine having a feeding device for feeding a plurality of strips of cigarette paper in superimposed relation to constitute the leaves of a cigarette paper booklet, a folding device for enclosing said strips of cigarette paper in a wrapper strip of cover paper, and a cutting device for severing the wrapper enclosed strips of cigarette paper in booklet length; a means for forming an adhesive bond for the cigarette papers in said enclosing wrapper cover comprising means for scoring said wrapper strip of cover paper to define a portion of said wrapper strip to be disposed in cover relation to an edge of said strips of cigarette paper by said folding device, and an adhesive applying means including a valve element for depositing metered quantities of adhesive at intervals on the portion of said wrapper strip defined by said scoring means, said scoring means and said valve element being mounted at a point past which the wrapper strip of cover paper is guided before being folded to enclose said strips of cigarette paper, and said valve element being actuated intermittently in timed relation to the operation of said cutting device to space the adhesive deposits on said wrapper strip at intervals disposing the adhesive to form a separate bond for the cigarette papers in each booklet to be formed at said scoring device.

2,567,202

EDDY-CURRENT GENERATOR AND CONTROL CIRCUITS

Raymond C. Goertz, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application July 31, 1945, Serial No. 608,052
8 Claims. (Cl. 318—30)



7. In a system of the character described, a source of error signal voltage, a servomotor, amplifier means for controlling said servomotor in accordance with said error voltage, speed voltage generating means and a feed back circuit for supplying said speed voltage in degenerative fashion to said amplifier means, said speed voltage generating means comprising two generators each adapted to supply a voltage proportional to the speed of rotation thereof and said generators being connected together in voltage bucking relation, means for driving a first of said generators in accordance with servomotor speeds, and inertia-sensitive, variable speed coupling means drivably connecting the second of said generators with the output of said servomotor, said coupling means being inertia loaded so that said first generator will be driven at some speed relative to the second generator during changing speeds of said servomotor while under constant speed conditions of said servomotor the two generators will have substantially zero relative speeds to thereby provide substantially zero speed voltage output at constant servomotor speeds.

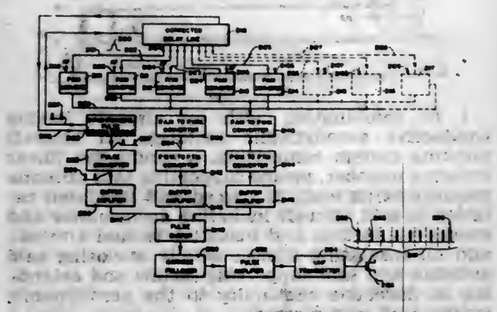
2,567,203

MULTIPLEX COMMUNICATION SYSTEM UTILIZING SUCCESSIVE, DIFFERENT PULSE MODULATION TECHNIQUES

Marcel J. E. Golay, Long Branch, N. J.

Original application February 5, 1946, Serial No. 645,670. Divided and this application June 2, 1947, Serial No. 751,941
6 Claims. (Cl. 179—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A multiplex transmitter including a synchronizing pulse generator, a synchronizing pulse converter with a connection to said generator, a delay line connected to said generator, said generator energizing said line at the sampling rate of said transmitter, a multiplicity of simplex channels, a corresponding multiplicity of thermionic vacuum tubes interconnecting said channels and said line, each tube having a plurality of control electrodes, one control electrode of said tube having a connection to a simplex channel and another control electrode of said tube having a connection to a point of said line, said line and said tubes acting as a multiplex transmitting distributor inter-connecting said simplex channels with said multiplex transmitter, a plurality of common output circuits for as many groups of tubes, the tubes of a group having connections to said line which are separated by the connections of tubes of other groups, whereby simplex signals appear in said outputs successively and in repetitive order, and a mixer circuit to combine the outputs of said converter and said output circuits.

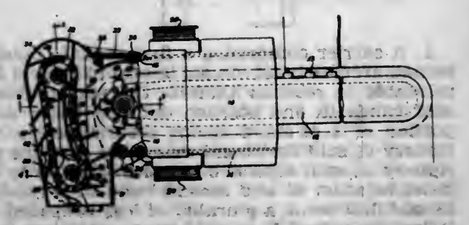


2,567,204

SLACK OR CUTTINGS REMOVING DEVICE FOR KERF-CUTTING MACHINES

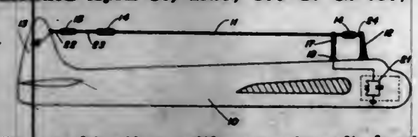
Loy D. Hagenbook, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 30, 1949, Serial No. 84,444
7 Claims. (Cl. 262—30)



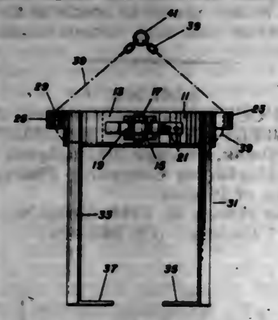
1. In a cuttings removing device adapted for connection with a kerf-cutting machine including an elongated cutter bar having an orbitally movable cutter chain thereon, said device comprising a housing having an inlet opening along one side adapted to be disposed at the rear end of the kerf-cutting machine so as to receive cuttings from the rear end of the cutter bar and discharge them towards one side of the machine, an endless conveyor in said housing having an inner reach extending along said inlet opening and guided for arcuate movement in a path proximate to and concave toward the path of movement of the cutter chain at the rear end of said cutter bar.

2,567,205
PRECIPITATION STATIC REDUCING AIRCRAFT ANTENNA
Wayne C. Hall, Cheverly, Md., assignor to Fredric Flader, Inc., North Tonawanda, N. Y., a corporation of New York
Application October 7, 1947, Serial No. 778,450
3 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with an aircraft having conductive aerodynamic surfaces, an aircraft antenna system comprising, a conductive linear antenna member, means supporting said antenna member at its ends in spaced and insulated relation to said aircraft including an insulator and means connecting said insulator to said aircraft, and an insulating sheath wholly enclosing said antenna and said supporting means and extending in dielectric continuity to the aerodynamic surfaces of said aircraft.

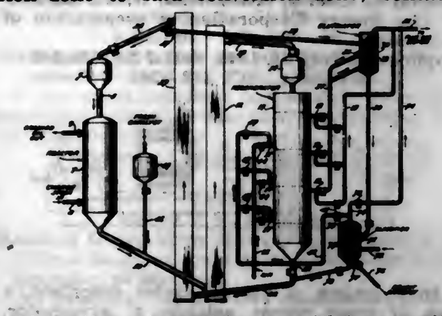
2,567,206
CARRIER
Vincent J. Hepp, Philadelphia, Pa.
Application March 31, 1947, Serial No. 736,187
3 Claims. (Cl. 294—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A carrier comprising a first arcuate band, a second arcuate band hinged to said first band and rotatable in relation thereto, the peripheries of said bands in one position defining the greater portion of a circle, a spring secured to the periphery of said first band extending over the periphery of said second band and adapted to restrict rotation of said second band with relation to said first band, a plurality of legs in spaced relation dependent from said bands, said legs having a portion distal said bands extending inward to form a base for an object, a plurality of lugs in spaced relation secured to said bands and means engaging said lugs for lifting said carrier.

2,567,207
MAINTENANCE OF CATALYTIC ACTIVITY IN HYDROCARBON CONVERSION SYSTEMS
Albert Wesley Hoge, Ridley Park, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application January 21, 1947, Serial No. 723,365
1 Claim. (Cl. 196—52)

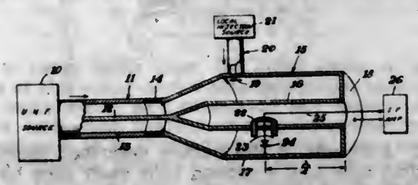
In a hydrocarbon conversion system wherein fluent particles of solid hydrocarbon conversion catalyst graduated in size contact process fluids in repeated cycles of operation at relatively high temperatures, said repeated cycles of operation comprising passage of said particles through a hydrocarbon conversion zone as a downwardly moving non-turbulent bed which contacts hydrocarbon fluids so as to form hydrocarbon products with the concomitant deposition of coke on said particles, transfer of coked particles from the conversion zone to a regeneration zone, passage of particles from the conversion zone through said regeneration zone as a downwardly moving non-turbulent bed which contacts an oxygen-containing gas under combustion conditions such that said particles are heated to a temperature substantially above the temperature in said conversion zone, removal of regenerated particles from said regeneration zone and conveyance of particles of regenerated catalyst to an elevation above said conversion zone: the improvement which comprises withdrawing a portion of the hot particles of catalyst in the stream of particles of regenerated catalyst passing from said elevation above said conversion zone to said conversion zone; contacting



said portion of particles so withdrawn with a flowing stream of cool oxygen-containing gas so as to heat said gas and so as to cool said portion and to separate it into a relatively less catalytically active fraction comprising particles of said catalyst which are higher in apparent particle density and lower in catalytic activity than the catalyst in said system because of relatively high temperatures and contact with process fluids occurring during said repeated cycles of operation and a cooled relatively more catalytically active fraction whose average apparent particle density is lower than that of said portion; passing gas heated by contact with said portion of hot particles of regenerated catalyst without cooling to said regeneration zone for use therein; mixing said cooled relatively active fraction with hot particles of regenerated catalyst discharged from the regeneration zone at a temperature substantially above the temperature of introduction to the conversion zone so as to cool said hot particles of regenerated catalyst to the temperature of introduction to the conversion zone; and directing the mixture of said relatively active fraction and particles from the regeneration zone to the conversion zone for use therein.

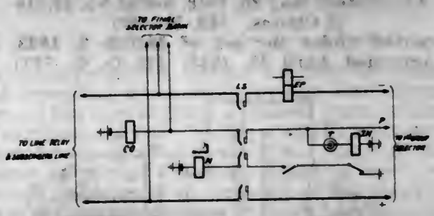
2,567,208
CRYSTAL MIXER FOR MULTIPLEX BROADCASTING
Alexander Horvath, Clifton, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1947, Serial No. 742,679
1 Claim. (Cl. 250—20)

A frequency mixer system comprising a source of ultra high frequency wave energy, a source of local injection frequency, an intermediate frequency selector circuit, a terminating load for said source of high frequency energy in the form of a coaxial transmission line having inner and outer tubular conductor, means to couple the energy from said source of ultra high frequency wave energy into said load line, means to couple the energy from said local injection source into said load line, a crystal mixer coupled across the inner and outer conductors of said line, a connection from said crystal to said intermediate



frequency circuit, said connection passing interiorly through said inner tubular conductor, a coaxial transmission line connecting said load line to said source of ultra high frequency energy, said load line having the inner tubular conductor thereof tapered at its input end and connected to the center conductor of said last mentioned coaxial line, the opposite end of said line being short circuited, said load line being matched to the surge impedance of said coaxial connecting line.

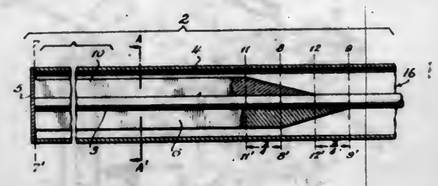
2,567,209
TELEPHONE METERING SYSTEM
Henry L. Horwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 10, 1945, Serial No. 610,105
3 Claims. (Cl. 179—9)



1. In an automatic telephone system having a pair of line conductors and a release trunk conductor, a message register circuit comprising a message register, means including an electropolarized relay connected in the circuit of said line conductors and having contacts controlled by said relay for actuating said message register when the current in said pair of conductors is reversed, and separate means connected to said release trunk conductor and responsive to voltage pulses on said release trunk conductor for additionally actuating said message register while said relay is operated to actuate said message register.

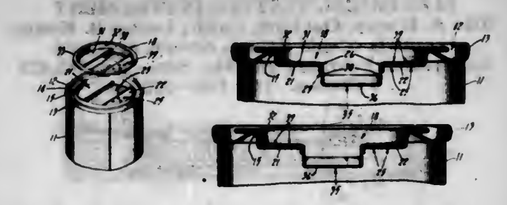
2,567,210
ULTRA-HIGH-FREQUENCY ATTENUATOR
Joseph V. Hupcey, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application July 23, 1947, Serial No. 762,967
16 Claims. (Cl. 178—44)

1. Ultra-high-frequency apparatus for dissipating ultra-high-frequency energy comprising a section of transmission line; and axially extending dissipative material increasing in mass from a minimum cross-sectional area to a maximum cross-sectional area in three successive stages within said transmission line, said dissipative material including a first portion axially increasing in mass in accordance with a given function and extending for an odd integral number of quarter-wavelengths of said ultra-high-frequency energy, a second portion contiguous to said first



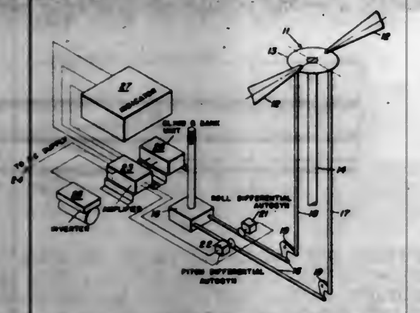
portion and axially increasing in mass in accordance with a function different from that of said first portion, and a third portion contiguous to said second portion and having an axial extent of an odd number of quarter-wavelengths of said high frequency energy, said third portion axially increasing in mass in accordance with a function different from that of said second portion.

2,567,211
SIFTER-CLOSURE FOR CONTAINER SELECTIVELY ATTACHABLE THERETO IN DISPENSING OR NONDISPENSING POSITION
Stanley F. S. Jones, Hamilton, Ontario, Canada, assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 12, 1946, Serial No. 715,722
6 Claims. (Cl. 222—480)



1. A container having an elongated dispensing opening disposed between two plate elements for bulk removal of the contents of the container, said container having a plurality of sifter holes in one of said plate elements adjacent said dispensing opening for sifting the contents of the container and having smooth sealing edges adjacent said dispensing opening, a cover having a panel wall for sealing engagement with said plate elements, a corresponding plurality of sifter holes therein, said cover being adapted for removal and replacement into different positions on said container with its panel wall engaging said plate elements, in one such position the sifter holes of the cover being out of register with the sifter holes of the container for closing the container and in another position with the sifter holes of both parts in register and providing communication with the interior of the container for sifting its contents, and an elongated countersunk locating member formed in said cover and insertable into the dispensing opening in said container in tight fitting engagement with the sealing edges adjacent said dispensing opening for locating and insuring register of said sifter holes for a sifting operation.

2,567,212
HELICOPTER ATTITUDE INDICATOR
James W. Klopp and William T. Shelton, United States Navy
Application September 10, 1948, Serial No. 48,548
6 Claims. (Cl. 244—17.11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



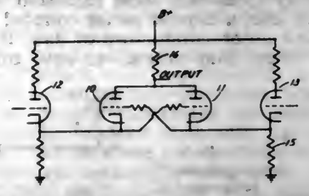
1. In a helicopter comprising a fuselage, a rotor mounted on said fuselage having adjustable blades, and control means for said blades having a manually operable control member, a system for indicating to the pilot the amount of correction to be applied to said control member to maintain said helicopter in a desired flight condition, said system comprising means mounted on said fuselage for indicating the attitude of said fuselage relative to the horizon, and means on said fuselage and in visual alignment with said indicating means and responsive to the movement of said control member for simultaneously indicating the attitude of the rotor tip path plane relative to the horizon.

2,567,213
ELECTRICAL TESTING INSTRUMENT
Otto A. Knopp, Oakland, Calif.; Louise B. Knopp executrix of said Otto A. Knopp, deceased
Application February 22, 1944, Serial No. 523,425
8 Claims. (Cl. 175—183)



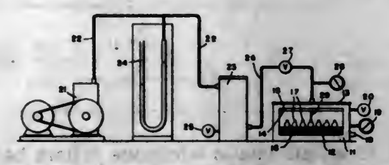
1. In combination, a housing member, a resistor disposed within said member, a glow discharge lamp mounted in the housing, the housing having window means providing for vision of said lamp from points exterior of said housing member, a movable member mounted to move within and without said housing member, a contactor secured to said movable member and disposed to variably contact said resistor in accordance with the position of said movable member, said movable member being movable to said positions manually, an electrical conductor secured to said movable member and electrically connected to said contactor, spring means arranged to bias said movable member outward of said housing member, an indicator on said movable member, a scale on said housing member adjacent the path of the indicator to cooperate therewith, means connecting one terminal of said lamp to one end of said resistor, an electrical conductor for extension to an external circuit and electrically connected to said one end of said resistor, and means connecting the other terminal of said lamp to another point on the resistor, so as to include a portion of said resistor across the lamp terminals.

2,567,214
COMBINING CIRCUITS
Hans W. Kohler, Washington, D. C.
Application August 20, 1945, Serial No. 611,680
4 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A circuit of the nature described including a first tube and a second tube each tube having a cathode, a plate, and a grid element, a third tube and a fourth tube each having a cathode, means for applying a mark-space signal to said third tube, means for applying another mark-space signal to said fourth tube, means connected to all of said tubes for biasing the same to make the said third and fourth tubes conductive responsive to the applied mark-space signals and for making the said first and second tubes conductive responsive to the outputs of said third and fourth tubes, means interconnecting the cathodes of said first and third tubes and the grid element of said second tube, and means for interconnecting the cathodes of said second and fourth tubes and the grid element of said first tube.

2,567,215
APPARATUS FOR TESTING GAS LEAKAGE
Hyman Lacks, New York, N. Y.
Application May 26, 1948, Serial No. 29,316
2 Claims. (Cl. 73—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

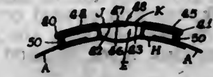


1. An apparatus for testing leakage of gas from a pressure-filled container comprising a tank having a first space for liquid and a second space for vapor at the top of the first space, a liquid bath in the first space comprising a water solution having a minor amount of surface-active agent therein, said bath being adapted to have the container submerged therein, a closure for said tank forming an airtight seal, a side window in said tank extending from the top of the liquid space to substantially the bottom thereof, means for controlling the bath at a temperature below about 70° F., and means for controlling the pressure in the second space at about 1 inch Hg absolute.

2,567,216
NECKWEAR ACCESSORY
Henry E. Lane, New York, N. Y.
Application October 21, 1946, Serial No. 704,751
3 Claims. (Cl. 24—49)

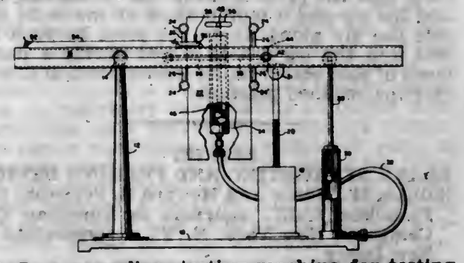
1. A men's clothing accessory comprising a laterally elongated metal base member to extend

beyond and in back of the adjacent edges of the collar, pin guide members positioned in front of said metal base member provided with legs on the inside ends thereof to mount said tubular members on said base member adjacent the edges of said collar and to leave a substantial space between the adjacent ends of said tubular members for reception of the knot of a tie, depending members at the outer ends of said tubular mem-



bers to press down upon the outer faces of the edges of the collar and clamp said edges against said metal base, and elongated pin means inserted into said tubular members having enlarged heads to be stopped against the outer ends of said tubular members, the inner ends of said pins to penetrate into the knot of a tie in the space between the inner ends of said tubes.

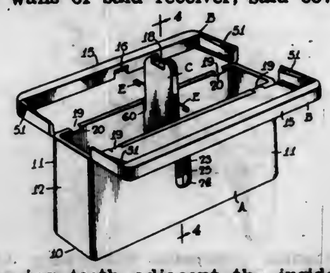
2,567,217
HYDRAULIC RECORDING MECHANISM
Richard R. La Torre, Washington, D. C.
Application February 28, 1949, Serial No. 78,880
2 Claims. (Cl. 73—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a recording, testing machine for testing and recording tensil strength and load-elongation, of the type utilizing a tiltable track, weighted carriage and chart platen constrained to move transversely of the track, in the plane of tilt; means for moving the chart platen in lineal proportion to the sine of the angle of tilt comprising a vertically positioned primary hydraulic cylinder and displacement piston therefor, said piston being constrained to move vertically by the tilting motion of the tiltable track whereby to vary the volume of the cylinder in direct proportion to the sine of the angle of tilt of the track, a secondary hydraulic cylinder and piston rod therefor fixed relative to the track with the piston constrained to move perpendicularly to the track in the plane of tilt, means connecting said piston rod with the chart platen for imparting movement to the latter from the rod and a flexible conduit connecting the interiors of said hydraulic cylinders.

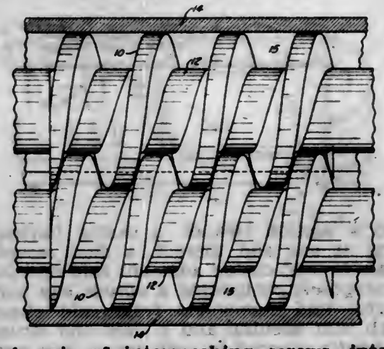
2,567,218
PARTITIONED CIGARETTE CASE WITH SPRING OPERATED CLOSURES
Edwin A. Lemire, Providence, R. I.
Application November 12, 1946, Serial No. 709,144
5 Claims. (Cl. 206—41)

1. A cigarette case having a flat deep rectangular receiver for holding two layers of cigarettes in vertical side by side position, a reciprocable vertical partition fitted into said receiver, said receiver having a vertical groove in one interior wall thereof to receive and guide one vertical edge of the partition and a vertical slot in the other wall thereof to receive a ridged finger-engaging extension projecting outwardly from the other vertical edge of the partition and split cover elements of rectangular shape hingedly mounted on the side walls of said receiver, said cover ele-



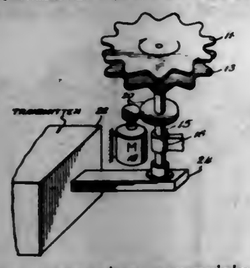
ments having teeth adjacent the inside edges thereof and said partition having a notch at its upper edge to engage said teeth and latch said cover elements together in closed position, said partition having a coil spring at its bottom edge to react against the bottom of the receiver and bias the partition upwardly and wire springs received in recesses in its side edges to press said cover elements outwardly and downwardly.

2,567,219
PLURAL INTERMESHING FEED OR PRESS SCREWS
Frank G. Lesniak, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware
Application February 12, 1945, Serial No. 577,378
5 Claims. (Cl. 100—48)



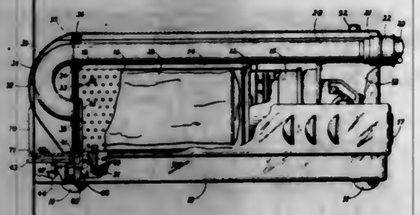
1. A pair of intermeshing screws, integrally formed on parallel shafts, housed in a casing having an interior shape substantially similar to the outer contour of the intermeshing screws, and said screws being adapted to rotate in the same direction and capable of conveying material against high opposing pressures in the order of 1000 pounds per square inch without the conveyed materials rotating with the screws, said screws comprising threads having flat crests parallel to the shafts, the ratio of the width of the thread at the crest thereof to the distance between the threads at the root diameter being over 55:100 and under 65:100, and the angle made by the sides of the threads with a plane perpendicular to the axes of the screws being at least 30 minutes greater than the angles of the helices of the screws at the root diameter with a plane perpendicular to the axes of the screws.

2,567,220
SCALLOPED LIMACON PATTERN ANTENNA
George B. Litchford, Huntington, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 29, 1947, Serial No. 782,721
10 Claims. (Cl. 250—33.65)



1. Antenna apparatus comprising two conductive discs rigidly spaced apart in substantially parallel relation, a conductor extending between said discs and substantially perpendicular thereto at their centers, said conductor connecting the centers of said discs together, said discs having scalloped outlines characterized by maximum radii and minimum radii angularly spaced around concentric circles therein, and radiator means between the central regions of said discs.

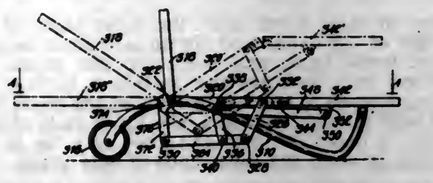
2,567,221
SUCTION CLEANER
Gustaf E. Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 22, 1947, Serial No. 743,113
12 Claims. (Cl. 183—44)



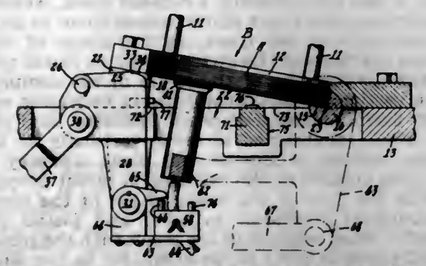
1. In a suction cleaner, a casing having an opening at one end thereof, a dust receptacle chamber in said casing adjacent said opening, a dust receptacle comprising a porous bag portion insertable and removable from said chamber through said opening and a rigid end structure permanently secured to said porous bag portion and adapted to close and seal the opening of said casing, a hose connection at the opposite end of said casing from said opening, conduit means extending from said connection to the end of said casing adjacent the opening, means for retaining the rigid end structure in closing and sealing position comprising a member of substantially less width than the rigid end structure, and a U-shaped tube carried by said member for connecting said conduit means with the interior of said receptacle.

2,567,222
RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application December 18, 1945, Serial No. 635,623
6 Claims. (Cl. 155—105)

1. A reclining article of furniture comprising a support, a structure including a seat, a back-rest and means connecting said back-rest with said seat for controlling the movements of said back-rest and said seat in dependence on each other, the seat of said structure being swingably mounted on said support for movements from a sitting position into an extreme reclined position, limiting means arranged on said support for limiting the sitting position of the elements of said structure, a leg-rest, said leg-rest being pivoted to the front portion of said seat, and a controlling link, one end of said controlling link being pivoted to said leg-rest, the other end of said controlling link being pivoted to said support at a point spaced from the pivotal connection between the seat and the support, the effective lengths of said movable seat, said movable leg-rest, said movable controlling link, and the stationary portion of said support between the pivotal connections with said seat and said controlling link forming a four-link-mechanism, and the effective length of said controlling link being such that the pivot between the controlling link and the leg-rest is moved along an arc being outside the arc along which the pivot between the seat and the leg-rest is moved during a movement of said seat from its sitting position into its extreme reclined position.

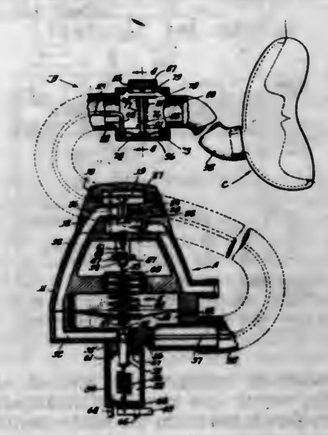


2,567,223
BLANK SEPARATING AND FEEDING DEVICE
William W. Maher and Howard B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 10, 1948, Serial No. 43,458
10 Claims. (Cl. 271—1)



1. In a separating device for blanks, discs or other substantially flat articles, the combination of a magazine, a stationary support ledge at one side and a movable support ledge at the opposite side of said magazine for holding a stack of blanks within the magazine, a separating finger movable into engagement with the outermost blank at one end of said stack for shifting the leading edge of said outermost blank onto and over said movable support ledge and simultaneously freeing said outer most blank from said stationary ledge, gripper means movable relative to said magazine and engageable with a shifted blank, and means for moving said movable support ledge and said gripper means simultaneously and in the same direction for separating the shifted blank from an adjacent blank in said magazine.

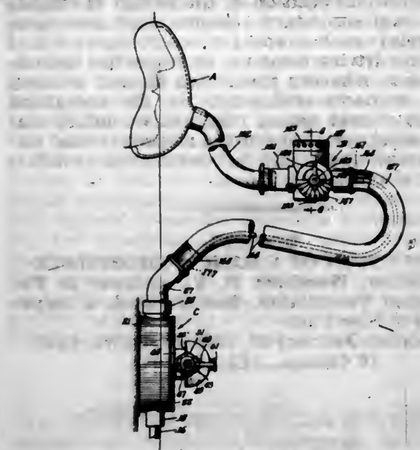
2,567,224
OXYGEN ADMINISTRATION SYSTEM
Albert E. McKee, Chicago, and James D. Elsom, Evanston, Ill.; said Elsom assignor to said McKee
Application August 17, 1943, Serial No. 498,973
14 Claims. (Cl. 128—142)



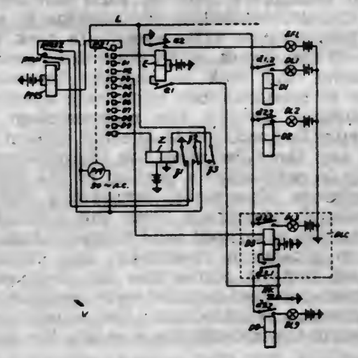
3. In an oxygen feeding system, a mask, a valve device having a housing with one chamber in communication with the mask and one chamber communicating with atmosphere, a pressure responsive device between the two chambers, an expiratory valve having an orifice communicating with said mask, a pressure responsive device controlling said expiratory valve to close the same, said valve being biased for opening movement thereof, a line supplying oxygen under pressure, a valve in said line controlling flow of oxygen to said mask and said pressure responsive device for said expiratory valve, over center switch means operated by the first-mentioned pressure responsive device when the pressure in the mask reaches a predetermined peak pressure, to interrupt oxygen flow to said chamber and mask, and adjustable spring means biasing said pressure responsive means toward said first-mentioned chamber, said means being just insufficient to operate said oxygen valve means and deliver oxygen when the pressure therein approaches atmospheric pressure, but responding to move said pressure responsive means and operate said valve when a slight negative pressure is established, and means for additionally loading said pressure responsive device to cause return movement and operation of said valve to admit oxygen when the pressure in the mask is lowered substantially to atmospheric.

2,567,225
OXYGEN ADMINISTRATION
Albert E. McKee, Chicago, Ill.
Application April 14, 1944, Serial No. 530,968
21 Claims. (Cl. 128—142)

4. In an oxygen feeding system wherein oxygen is delivered to a mask on demand and discontinued on attainment of a peak pressure, an expiratory valve mechanism in communication with the said mask, an auxiliary release valve, a spring urging said release valve to its seat, a diaphragm subjected to pressure within the mask and a connection between said diaphragm and release valve, the construction and operation of said diaphragm and release valve being such that the said release valve may be forced from its seat by the development of a pressure within said mask only slightly above said peak pressure.



2,567,226
ELECTRIC REMOTE-CONTROL SYSTEM
Eric Malcolm Swift McWhirter and Hugh Jennings Ward, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application August 7, 1947, Serial No. 767,200
In Great Britain June 2, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1959
4 Claims. (Cl. 177—353)



1. An electrical signalling system comprising a primary station and a plurality of secondary stations, means including a two path line for electrically interconnecting said primary station and said secondary stations, a plurality of selector switches and driving means therefor, one at said primary station and one at each of said secondary stations, said switches having a wiper and a plurality of switch positions including normal and off-normal positions, a plurality of load circuits, one at each of said secondary stations, a first plurality of relays, one associated with each of said secondary stations, each adapted to connect the wiper of the switch of its associated station to said line upon variation of the load circuit at said last mentioned station, a source of potential connected serially between one path of said line and the normal position of the switch at said primary station, a second plurality of relays, one associated with each of said secondary stations, each

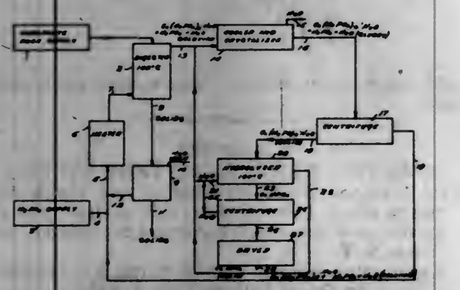
comprising an energizing winding and a rectifier serially connected between one path of said line and the normal position of the switch at respective of said secondary stations, said last-mentioned relays each adapted to control operation of the switch driving means at its respective secondary station, whereby the switch at said primary station connects said source to the energizing windings of said second relays at secondary stations having variations of the respective load circuit thereat whilst said last-mentioned switch is in normal position.

2,567,227

PRODUCTION OF CALCIUM PHOSPHATE

Ralph Miller, Woodside, N. Y., assignor to The Chemical Foundation, Incorporated, a corporation of New York

Application January 28, 1948, Serial No. 4,887
10 Claims. (Cl. 23—109)



1. A method of producing dicalcium phosphate which comprises establishing a solution of strong phosphoric acid containing some dissolved monocalcium phosphate, flowing such solution in a closed circuit; contacting the solution at an elevated temperature with phosphate rock in one section of the circuit under conditions controlled to dissolve the rock to thereby increase the amount of monocalcium phosphate dissolved in the solution; flowing the monocalcium phosphate-enriched solution to another section of the circuit and there reducing the temperature sufficiently to crystallize a portion of the dissolved monocalcium phosphate, separating the solid monocalcium phosphate from the solution, hydrolyzing the separated solid monocalcium phosphate to dicalcium phosphate and phosphoric acid and further contacting the monocalcium phosphate-depleted solution with phosphate rock in the circuit and introducing the phosphoric acid produced in the hydrolyzing step into the said circuit.

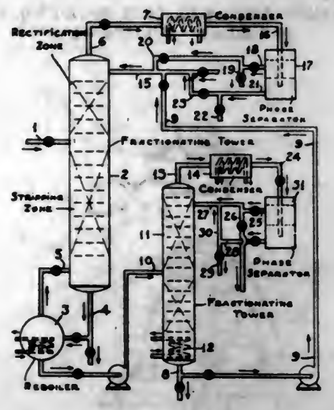
2,567,228

EXTRACTIVE DISTILLATION OF CLOSE-BOILING HYDROCARBON FRACTIONS WITH HYDROTROPIC SOLUTIONS

Charles E. Morrell, Westfield, Carl S. Carlson, Roselle, and Joseph F. Nelson, Rahway, N. J., and Joseph Stewart, Brooklyn, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

Application January 3, 1949, Serial No. 68,836
27 Claims. (Cl. 202—39.5)

1. A process for the separation of close-boiling hydrocarbons which comprises subjecting a hydrocarbon mixture having a boiling range of not more than 50 degrees on the centigrade scale to extractive distillation using as extraction solvent an aqueous mixture containing in solution at least 40 per cent by weight of a hydrotropic organic solubilizer consisting essentially of a salt, containing at least one cyclic nucleus and having at least one water solubilizing group, whereby the relative volatilities of the components of



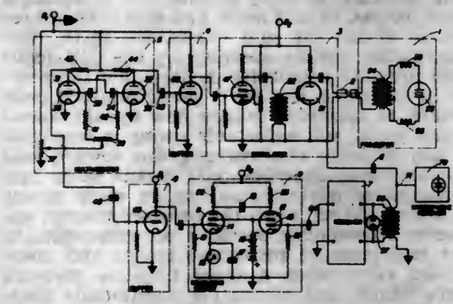
the hydrocarbon mixture are altered and the components which are rendered relatively more volatile are separated from the components which are rendered relatively less volatile.

2,567,229

APPARATUS FOR MEASUREMENT OF TIME INTERVALS BETWEEN PULSES

Leighton L. Morse, San Diego, Calif.

Application May 16, 1947, Serial No. 748,642
4 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Echo ranging apparatus for indicating wave undulations in a body of water, comprising a multivibrator having two output terminals and being effective to generate a square wave, with a rising voltage appearing on one said terminal simultaneously with a dropping voltage on the other said terminal and vice-versa, one of said voltages constituting a transmitting vibration, the other a non-transmitting vibration, a pulse projector adapted to be lowered to the bed of the body of water, cable means connecting said projector to the first of said terminals and effective to transmit echo ranging pulses in response to transmitting vibrations, a receiver connected to said cable means for receiving echoes of said pulses, and a measuring circuit connected to the second of said terminals and to said receiver and effective to measure the time interval between the non-pulse-transmitting vibrations of said multivibrator and the reception of the pulse echoes.

2,567,230

MAGAZINE FOR AND PROCESS OF FEEDING SAFETY RAZOR BLADES

Joseph Muros, Newtonville, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Continuation of application Serial No. 572,492, January 12, 1945. This application May 7, 1948, Serial No. 25,616
24 Claims. (Cl. 206—16)



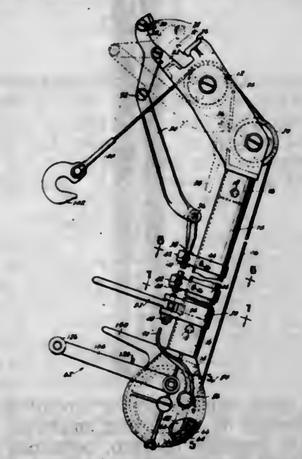
1. A blade magazine comprising walls forming an elongated enclosure, a blade-locating rib therein, a stack of slotted blades removably held by the rib, and a single blade located above the stack in a longitudinally advanced position, together with a feeding device mounted for reciprocation on a wall of the enclosure and having one portion shaped and disposed for engaging and advancing the said displaced blade in the initial movement of the device and another portion shaped and disposed for engaging and advancing the next underlying blade in the concluding movement of the device in the same direction.

2,567,231

HOIST WINCH

Homer B. Nelson, Vandalia, Ohio

Application February 21, 1950, Serial No. 145,517
2 Claims. (Cl. 254—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



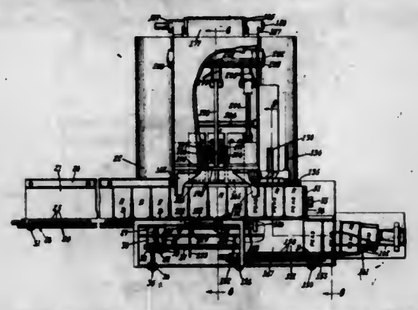
1. A winch hoist for storing bundles in an aircraft, which comprises, in combination, a bracket containing a clamping mechanism at the upper end which is adapted for gripping the conventional rail of an aircraft fuselage, a housing containing a cranking mechanism at the lower end and a cable drum adapted to be rotated thereby, a tubular column extending from the bracket of the clamping mechanism downward at an angle with the vertical between twenty-five and thirty-five degrees to the housing of the cranking mechanism, the cranking mechanism being substantially as high from the floor of the fuselage as half the height of an average person, a clamp operating arm hinged to the clamping mechanism, a clamp operating rod alongside said tubular column operatively hinged to the clamp operating arm, guide means for said clamp operating rod carried by said column for enabling longitudinal movement of said clamp operating rod, a clamp operating and locking handle fast on the lower end of said clamp operating rod movable upward for raising said clamp operating rod for closing said clamping mechanism and rotatable for locking said clamp operating rod in the raised position, a pin gear rotatable within said housing rotatably connected to said drum, a pinion in constant mesh with said pin gear, a crank removably secured to said pinion for rotation thereof, a handle extending from said housing for steadying the device while cranking, a pawl spring-biased to engage the pins of said gear to compose a ratchet of said gear, manual means for tripping said ratchet, friction means to tauten a cable as it is being wound on said drum, and a lifting hook at the free end of said cable.

2,567,232

MACHINE FOR PRINTING ON CONTAINERS

Ronald E. J. Nordquist, Maplewood, and William F. Grupe, Lyndhurst, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 12, 1948, Serial No. 20,558
6 Claims. (Cl. 101—44)



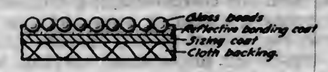
1. In a machine for printing on empty flexible walled containers having a part responsive to magnetic attraction, the combination of an anvil for supporting the walls of said containers, magnetic means movable toward and away from said anvil for engaging the magnetizable portion of a container to telescope the flexible wall of the container over said anvil and for removing the container from said anvil by a pulling away of the engaged magnetizable portion, and a printing die movable toward and away from said anvil for printing on a said telescoped wall of said container while the latter is held over said anvil.

2,567,233

REFLEX-REFLECTIVE SHEET MATERIAL USEFUL FOR PROTECTIVE GARMENTS AND THE LIKE

Philip V. Palmquist, Canada Township, Ramsey County, and Ambrose F. Schmeikle and Raymond S. Bye, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application September 19, 1946, Serial No. 697,914
7 Claims. (Cl. 88—82)



1. A flexible, weather-resistant, reflex-reflective sheet material suitable for incorporation into

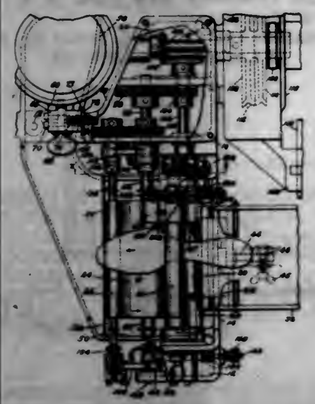
garments such as jackets or the like, in which form it retains its reflex-reflective properties under repeated flexing and outdoor use conditions, said sheet material including a permanently flexible and weather-resistant reflective binder layer and an exposed surface layer of contiguous small glass spheres having a refractive index of about 1.7–1.9, the spheres being partially embedded and firmly bonded in the binder layer, said binder essentially comprising a reflective pigment, a rubbery polymer and a heat-advancing phenol-aldehyde resin compatible therewith, said binder being heat-cured and having an adhesion to glass of at least about 3500 grams/inch width and having a modulus of elasticity at 50% elongation of about 30 to 300 kilograms/sq. cm., both as herein defined.

2,567,234

MACHINE FOR COATING INSOLE BLANKS

Harry Phillips, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 15, 1948, Serial No. 65,325
11 Claims. (Cl. 91—51)



1. In combination, a coating-applying roll, means for supplying coating material to that roll, a tiltable carrier adjacent to said applying roll, feed rolls in said carrier coacting to grip a piece of work, said carrier being tiltable about the axis of one feed roll, means for clamping the carrier in any of a plurality of angularly related operating positions, thereby to determine the angle of presentation of the work to the applying roll, by said feed rolls, and means for driving said feed rolls in any operating position.

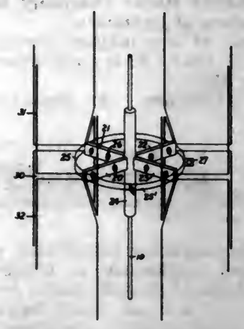
2,567,235

IMPEDANCE MATCHING ARRANGEMENT FOR HIGH-FREQUENCY ANTENNAE

Guy Rabuteau, Paris, France, assignor to International Standard Electric Corporation Inc., New York, N. Y., a corporation of Delaware

Application July 15, 1947, Serial No. 761,081
In France June 20, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires June 20, 1959
10 Claims. (Cl. 178—44)

1. A system for transmitting a frequency band of high frequency electric waves having a source of such waves, a load means therefor presenting to said waves an impedance varying with frequency over said band, coupling means including a symmetrical transformer between said source and load means, and a compensating network including a quarter-wave-length short circuited line connected in parallel with said coupling means and a half wave length short circuited



line connected in series with said transformer for introducing reactance to compensate the reactance produced by said parallel connected line and said load means.

2,567,236

CIRCUIT INTERRUPTER

Herbert L. Rawlins, Edgewood, and Harold H. Fahnoe, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 29, 1944, Serial No. 520,178
15 Claims. (Cl. 200—120)



1. In a high-voltage power circuit interrupter, tubular means of insulating material having a tubular arc passage therein, terminal means at least adjacent one end of said tubular means, arc terminal means movable through said arc passage in a direction away from said terminal means to elongate the arc formed during a circuit interrupting operation, said movable arc terminal means during and after a circuit interrupting operation constituting a point where high-voltage stress may be concentrated, means providing a dielectric strength in said passage at least during a circuit interrupting operation which is greater than the dielectric strength of the medium outside of said tubular means, said terminal means having conducting means which is located outside said tubular means extending inwardly along the outer surface of said tubular means and is electrically connected with said terminal means at least when said interrupter is mounted in operative position, said conducting means being unsymmetrical in form so as to provide a portion of high-voltage stress concentration outside said tubular means, and a relatively thin-walled annular stationary arc terminal in said tubular means, said stationary arc terminal being exposed to the interior of said arc passage and having an external dimension substantially the same as the internal dimension of said tubular means and an internal dimension substantially larger than said arc passage, said stationary arc terminal further being electrically connected with said terminal means and extending away from said one end of said tubular means a substantial distance which is far enough beyond said portion of high voltage stress concentration outside of said tubular means so that said arc will be substantially entirely located in said arc passage.

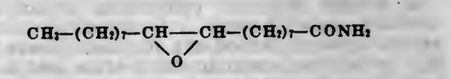
2,567,237

AMIDES OF 9,10-EPOXYSTEARIC ACID

John T. Scanlan, Daniel Swern, and Edward T. Roe, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application May 20, 1949, Serial No. 94,532
3 Claims. (Cl. 260—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. 9,10-epoxystearamide having the formula



2,567,238

DICYANDIAMIDE AND FORMALDEHYDE PRODUCT AND METHOD OF MAKING

Lucien Sellet, Saddle River, and William O. Dawson, East Paterson, N. J., assignors to Jacques Wolf & Co., a corporation of New Jersey

No Drawing. Application July 9, 1949, Serial No. 103,953
5 Claims. (Cl. 260—69)

1. In making a water soluble resinous condensation product, the method which comprises forming a mixture of dicyandiamide and an aqueous solution of formaldehyde in the proportion of 3.6 to 5 mols of formaldehyde to 1 mol of the dicyandiamide, heating the mixture at a pH above 7 to an elevated temperature not above the temperature of boiling of the mixture at the prevailing pressure, maintaining the total free and reacted formaldehyde during the heating step in the proportion of 3.6 to 5 mols, continuing the heating until the condensation product formed becomes insoluble in water on extreme dilution and then later becomes soluble on such dilution, and then discontinuing the heating when the water soluble stage is reached.

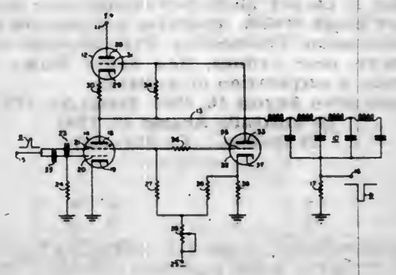
2,567,239

PULSE GENERATOR

Paul C. Sherertz, Washington, D. C.

Application August 24, 1949, Serial No. 112,161
11 Claims. (Cl. 315—237)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a pulse generator having a pulse forming network, a cathode follower means coupled to said network for charging the same, and a low impedance discharge means coupled to said network for discharging the same through a load circuit.

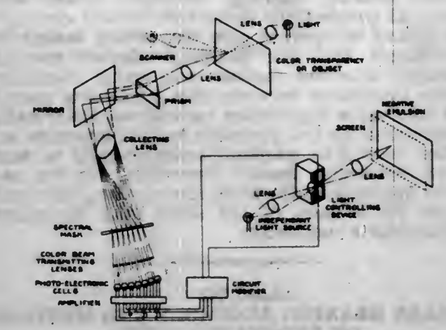


2,567,240

COLOR FACSIMILE SYSTEM

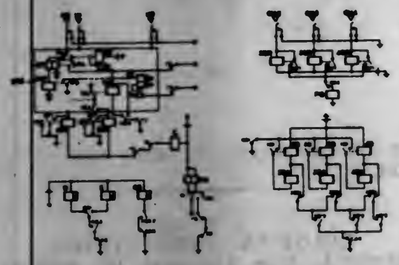
Benjamin L. Sites, Elmhurst, Ill., assignor, by mesne assignments, to Michle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application October 29, 1947, Serial No. 782,866
8 Claims. (Cl. 178—5.2)



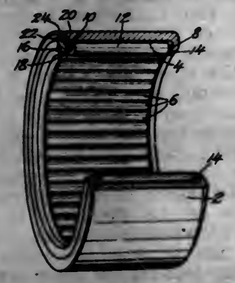
1. The method of producing a corrected color-separation transparency from a colored original, which consists in passing a scanning beam of light emitted from said colored original through a color analyzer for independently selecting a plurality of beams each comprising substantially one-Nth of the spectrum where N is the total number of beams, converting the light energy from the color beams respectively into electrical currents through the medium of electronic photo cells, amplifying each of said electric currents according to amplification factors predetermined by calculation based on the reflectivity characteristics of the pigments to be used in printing the reproduction and the response characteristics of the photographic emulsion of the corrected color-separation transparency to be produced, combining said electric currents by adding the currents algebraically according to the sign of their amplification factor, using the current output from said last mentioned operation to modulate an independent beam of light, and directing said modulated beam of light onto a light sensitive element to produce the said corrected color-separation transparency.

2,567,241
VALUE INDICATION FOR ARTICLE DISPENSING SYSTEMS
Thomas S. Skillman, Mosman, near Sydney, and Alan D. Lackey, McMahon's Point, near Sydney, New South Wales, Australia, assignors to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a corporation of Australia
Application August 16, 1950, Serial No. 179,698
In Australia August 22, 1949
10 Claims. (Cl. 235—61)



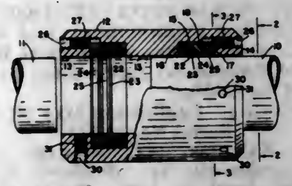
1. In a system for dispensing articles of varied character: dispensing means for the selection and dispensing of a plurality of articles; value registering means operable under the control of said dispensing means to register the value of a dispensed article; quantity selection means and electrical connections therefrom to said dispensing means to operate said dispensing means in accordance with the quantity selected at said quantity selection means; and value variation means interposed between said dispensing means and said value registering means and electrically connected with and operable by said quantity selection means to transmit automatically to said value registering means, depending on the selected quantity, indications representing different values for articles of the same kind dispensed in immediate succession.

2,567,242
ROLLER BEARING ASSEMBLY AND METHOD OF PRODUCING SAME
Sydney Smith, Lawrenceville, N. J.
Application July 18, 1945, Serial No. 605,671
2 Claims. (Cl. 308—213)



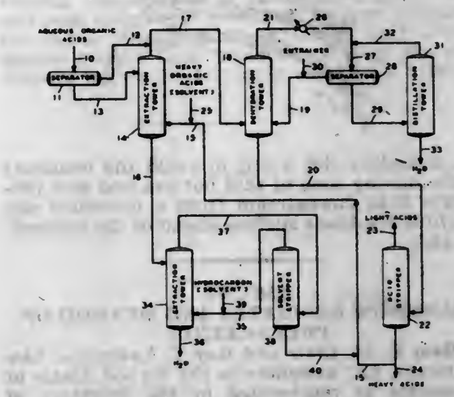
1. A needle roller bearing assembly embodying a race ring consisting of a drawn steel sleeve having one end thereof turned over to form an annular roller retaining means, said sleeve being substantially uniformly hardened throughout its surface and presenting a cylindrical surface forming a bearing race, a complement of needle rollers engaging said race and having reduced ends located beneath said annular roller retaining means, the opposite end of said sleeve being formed with a shoulder and having a portion of reduced thickness extending beyond said shoulder, an annular retaining member engaging said shoulder and presenting one annular edge extending over the opposite reduced ends of said needle rollers, the opposite annular edge of said retaining member being beveled not greater than approximately 30° to 45° and the reduced hardened extremity of said sleeve beyond said shoulder being turned over the beveled edge of the retaining member and serving to hold said retaining member and needle rollers in place.

2,567,243
SLEEVE COUPLING FOR PIPES
Joseph B. Smith, Cleveland, Ohio
Application October 15, 1949, Serial No. 121,590
3 Claims. (Cl. 285—196)



1. A pipe coupling comprising a one-piece annular sleeve having a longitudinal bore to receive the end portion of a pipe, said sleeve having an external annular end surface and an internal groove extending radially outwardly from the bore and located at a spaced distance from the said external end surface, said groove having first and second opposing end walls and an annular internal wall extending therebetween, said first end wall of the groove being spaced at a greater distance from said external end surface than said second end wall, an endless packing member having first and second sides disposed in said groove with said first side of the packing member facing the first end wall of the groove, thrust ring means insertable through said bore of the sleeve and having first and second sides disposed in said groove with the first side of the ring means facing the second side of the packing member and with the second side of the ring means facing the second side of the groove, said packing member and said ring means having external surfaces fitting within the annular internal wall of the groove and having internal surfaces defining an annular opening to receive the end portion of a pipe inserted in the coupling, said sleeve having threaded openings extending longitudinally from said external end surface and to the second side of the groove, threaded thrust members in said threaded opening and having end portions adapted to engage the second side of the ring means and press the first side of the ring means toward the packing member for squeezing same radially inwardly against the end portion of a pipe inserted therein, said sleeve having radially extending threaded holes longitudinally disposed between the said external end surface and the second side of the groove, and threaded clamping elements in said threaded holes having end portions adapted to engage the end portion of a pipe inserted therein for resisting longitudinal movement of said pipe from said sleeve and for adjusting annular space between pipe and coupling.

2,567,244
DEHYDRATION OF ORGANIC ACIDS
Ernest Solomon, Nutley, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application March 29, 1947, Serial No. 738,175
6 Claims. (Cl. 260—419)



1. A process for the dehydration of an aqueous solution of a fatty organic acid which comprises subjecting said acid to a first extraction treatment with a first liquid solvent consisting essentially of at least one fatty organic acid whose boiling point is higher than that of the acid to be dehydrated and which is also relatively insoluble in water to obtain a first extract comprising an acid-rich mixture containing said first-mentioned acid, a major portion of said first solvent and a minor portion of water, and a first raffinate comprising a water-rich mixture containing a minor portion of said first solvent, dehydrating said first extract to obtain a mixture of fatty organic acids substantially water-free, subjecting said first raffinate to a second extraction treatment with a second liquid solvent for said first solvent to obtain a second extract comprising a solvent-rich mixture substantially water-free, and containing said first solvent dissolved in said first raffinate, and to obtain a second raffinate comprising water, and separating said first solvent from said second solvent contained in said second extract.

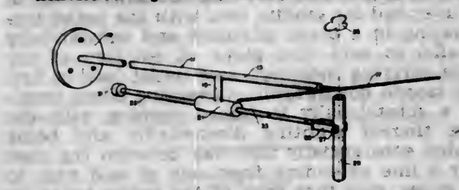
2,567,245
ARYL-(2-PYRIDYL)-AMINO ALKANES AND THEIR PRODUCTION
Nathan Sperber, Bronx, and Domenick Papa, Brooklyn, N. Y., and Erwin Schwenk, Montclair, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application May 10, 1948, Serial No. 26,246
15 Claims. (Cl. 260—296)

1. Compounds of the group consisting of bases of the general formula

$$Py-\underset{\displaystyle R}{\underset{|}{CH}}-(CH_2)_n-R_1$$

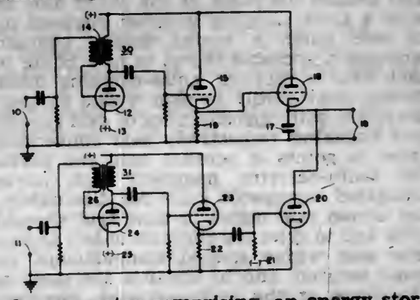
wherein Py is a member of the group consisting of pyridine and lower alkyl substituted pyridine rings; R is a phenyl nucleus; R_1 is a member of the group consisting of dialkylamino, morpholino and piperidino groups; and n is one of the integers 2 to 4, and the non-toxic salts thereof.

2,567,246
CALCULATOR
Athelstan F. Spilhaus, New York, N. Y.
Application February 5, 1946, Serial No. 645,673
9 Claims. (Cl. 33—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In a calculator for making measurements relative to distant objects, a base member, a shaft sustained by said base member and movable longitudinally along and rotationally about its axis, sighting means pivotably sustained by said shaft, a linear sighting reticle sustained by said base member at right angles to the shaft and in a plane spaced from and parallel to said shaft, the sighting means being adapted to be moved so that its axis simultaneously intersects both the sighting reticle and a distant object, and means to indicate the longitudinal position of the shaft.

2,567,247
PULSE GENERATOR
Joseph P. Spalding, Silver Spring, Md.
Application November 14, 1945, Serial No. 628,635
1 Claim. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

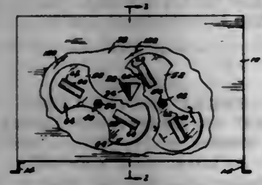


A pulse generator comprising, an energy storing capacitor, a first blocking oscillator coupled to said energy storing capacitor and operable in response to the application of an external signal to instantaneously apply a full charge to said capacitor, means including a normally non-conducting vacuum tube component connected in shunt with said capacitor for discharging the same, and a second blocking oscillator coupled to said vacuum tube component and operable in response to an external signal for rendering said vacuum tube conducting, to thereby produce a rectangular voltage pulse across said energy storing component.

2,567,248
ECCENTRIC POTATO SLICER
Bernhardt Stahmer, Omaha, Nebr.
Application June 28, 1948, Serial No. 35,611
4 Claims. (Cl. 146—78)

1. A machine for slicing sliceable objects comprising at least first and second knife-carrying members rotatable in an upwardly extending first

plane and mounted respectively on first and second parallel axes with an end portion of the second member following in the path of an end portion of the first member, said axes being laterally spaced apart and lying in a second plane substantially normal to said first plane, a feed chute with an outlet end disposed downwardly of an inlet end for gravity feed with the outlet terminating in a plane adjacent and substantially parallel to said first plane of rotation of the knife-carrying members, said outlet having first and second downwardly converging edges forming a substantially V-shaped opening with the apex thereof pointing downwardly and being located substantially mid-way between the axes near a line extending from one of said axes to the other, said first edge of the outlet being on the side thereof closest to said first axis and said second edge of the outlet being on the side thereof closest to said second axis, said chute having at least two converging surfaces disposed opposite the plane of the outlet, said surfaces being inclinedly disposed with respect to the plane of the outlet both as seen in horizontal cross-section and in vertical cross-section, said surfaces being disposed convergingly toward each other



and toward the plane of the outlet and defining with a knife-carrying member disposed in front of said outlet a wedge shaped compartment whereby a sliceable object in said chute in contact with a rotating knife-carrying member is driven downwardly in said wedge shaped compartment with opposite sides of said sliceable object engaging respectively said converging surfaces as points of contact, said end portions of the knife-carrying members each having an elongated corrugated knife for alternately passing across said outlet to slice said sliceable objects and to drive the sliceable object downwardly into said wedge shaped compartment to hold same securely and to advance the same toward the plane of the knife-carrying members, the path of the knife on said first member sweeping from the top of said V-shaped outlet toward the bottom thereof and describing a cutting path in the same general direction as the first edge of the V-shaped outlet and the path of the knife on the second knife-carrying member sweeping from the top of said V-shaped outlet toward the bottom thereof and describing a cutting path in the same general direction as the second edge of the V-shaped outlet.

2,567,249

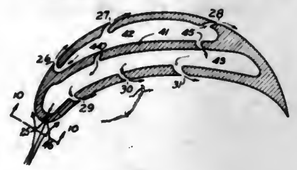
GAS TURBINE

Edward A. Stalker, Bay City, Mich.

Original application November 19, 1943, Serial No. 510,884, now Patent No. 2,489,683, dated November 29, 1949. Divided and this application November 5, 1949, Serial No. 125,675

14 Claims. (Cl. 253—39.15)

1. A blade structure for a gas turbine of the character described comprising a plurality of blades, each said blade having a plurality of spanwise slots disposed in chordwise spaced relation along both upper and lower surfaces rearwardly of the nose of said blade leading out of the blade interior, means to discharge a protective flow of fluid out of the blades through said slots, each said slot being spaced chordwise from the preceding slot by a distance between 10 and 40 times



the preceding slot width to avoid the boundary of the mixing zone of said hot gas and said protective fluid downstream from a preceding slot reaching the blade surface ahead of the succeeding slot.

2,567,250

ALUMINUM RESINATES AND METHOD OF PREPARATION

William E. St. Clair and Ray V. Lawrence, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 25, 1950, Serial No. 175,853

7 Claims. (Cl. 260—97.5)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An aluminum resinate which does not decompose when heated at 370° C. and has a solubility of at least about 10% in petroleum naphtha and which sets to a gel in petroleum naphtha, being an aluminum resinate of aldehyde-reacted rosin material.

2,567,251

ANALYTICAL SELENIUM STRIP AND METHOD OF PREPARATION THEREOF

Fred Stitt, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application July 12, 1949, Serial No. 104,390

8 Claims. (Cl. 23—232)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. An analytical strip in which selenium is the sole active agent comprising sheet material uniformly impregnated with elemental red selenium, said strip exhibiting substantially equal sensitivity to mercury vapor in the range from about 120° C. to about 200° C.

2,567,252

REFINING OF HYDROCARBONS

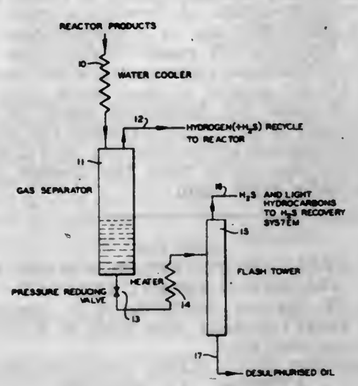
Leslie Christopher Strang, Sunbury-on-Thames, England, assignor to Anglo-Iranian Oil Company Limited, London, England, a British joint-stock corporation

Application July 20, 1949, Serial No. 105,855

3 Claims. (Cl. 196—28)

1. In a process for the hydrocatalytic desulphurization of sulphur-containing hydrocarbon feedstocks, carried out in a desulphurizing zone in the presence of hydrogen and in the presence of a desulphurization catalyst under conditions of hydrogen partial pressure, flow-rate, elevated temperature and super-atmospheric pressure selected to effect desulphurization of the feedstock without any substantial degree of cracking, the

steps comprising maintaining the reaction product leaving the desulphurization zone at substantially the pressure employed in the reaction zone and reducing the temperature of the reaction product to a selected condensing temperature at which the reaction product, except for a gaseous hydrogen fraction for recycling containing varying proportions of hydrogen sulphide and methane with small amounts of other hydrocarbon gases, is condensed; separating said uncondensed gaseous hydrogen fraction from the condensate under the aforesaid conditions whereby



the content of hydrogen sulphide in the gaseous hydrogen fraction for recycling does not build up to an extent to have an appreciable effect on the desulphurization reaction and the whole of the hydrogen sulphide thereafter formed during the reaction will be dissolved in the condensate and recycling said gaseous fraction to the desulphurizing zone; passing said condensate to a flash zone; and, removing from said condensate in said flash zone substantially the content of dissolved hydrogen sulphide and dissolved hydrogen in said product.

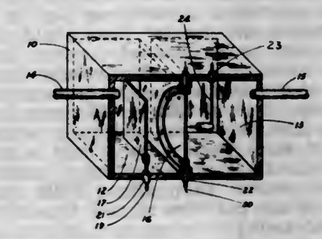
2,567,253

APPARATUS FOR PRESSURE MEASUREMENT

John H. Strange, Hammond, and Henry M. Grubb, Highland, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application May 9, 1945, Serial No. 592,830

10 Claims. (Cl. 73—398)



10. A gauge for measuring pressure in an enclosure, comprising two compartments separated by a diaphragm, means for connecting the first of said compartments with said enclosure, means for connecting the second compartment with an evacuating means whereby the pressure in the second compartment may be adjusted to a known value, means for maintaining said diaphragm at null or centered position including electrical means spaced from but adjacent said diaphragm for establishing in the region of said diaphragm a field adapted to exert force on the diaphragm, said diaphragm including metallic material responsive to the force exerted by said field, means cooperating with said diaphragm for detecting when the same is distorted from its null position, means for adjusting the field to exert a restoring force on the diaphragm to return it to its null position, and means for measuring the energy required to maintain a field of sufficient strength to maintain the diaphragm in null position as a measure of the pressure in the enclosure.

2,567,254

PROCESS FOR PREPARING NITRILES AND PYRIDINES

John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 17, 1946, Serial No. 691,382

6 Claims. (Cl. 260—290)

1. The process of preparing aliphatic nitriles and pyridines which comprises bringing a mixture consisting predominantly of butadiene and ammonia in molar proportions less than 1:5 at a temperature within the approximate range 500°–700° F. and at a pressure in excess of 500 pounds per square inch into contact with a catalyst effective to promote the reaction between butadiene and ammonia, said catalyst having as its active component a reduced oxide of a metal of the class consisting of cobalt and nickel.

2,567,255

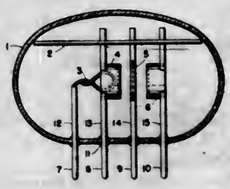
HIGH-FREQUENCY VACUUM TUBE

Emerick Toth, Potomac Park, Md.

Application February 20, 1946, Serial No. 649,101

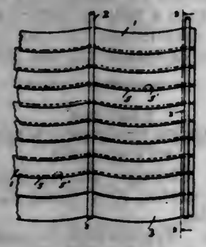
6 Claims. (Cl. 313—252)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



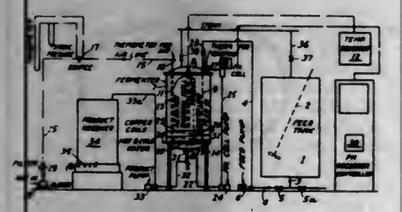
1. A vacuum tube structure comprising cathode, anode and grid planar electrodes, said cathode and anode electrodes being generally cylindrical in shape and having end surfaces facing each other, said grid electrode being generally a disc-shaped screen which is interposed between said cathode and anode electrodes in axial alignment therewith, separate supporting members for each of said electrodes being generally rectangular in cross section and extending downward and laterally from the central axis of said electrodes at angles inclined to the vertical, said angles being in planes perpendicular to said axis and alternately in opposite direction, the area of any support projected onto adjacent supports being a minimum, an evacuated envelope surrounding said electrodes and part of said supporting members, said supporting members being sealed to and extending beyond said envelope and providing the sole means of external electrical contact with said electrodes.

2,567,256
VENETIAN BLIND
Andrew J. Toti and Peter Princevalle, Modesto, Calif., assignors of one-third to J. A. Bried, Berkeley, Calif.
Application June 13, 1949, Serial No. 98,836
7 Claims. (Cl. 160—131)



1. In a Venetian blind of the type with tiltable overlapping slats, said slats provided with undulatory curves extending along their bodies, and the bodies of the slats being wide enough and arranged to shut off the spaces between the slats' undulations when the slats are tilted to overlapped position, the curves on adjacent slats when tilted being substantially in phase.

2,567,257
CONTINUOUS PROCESS FOR ENHANCING THE FEED VALUE OF DISTILLERS' SLOP
Jack G. Voss, Silverton, Ohio, assignor to National Distillers Products Corporation, a corporation of Virginia
Application April 26, 1949, Serial No. 89,642
17 Claims. (Cl. 99—5)

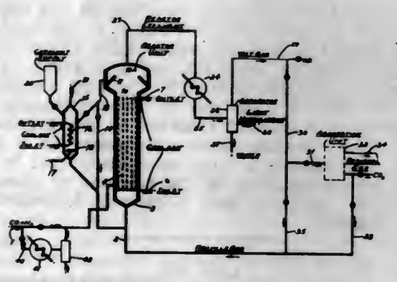


1. Method for the substantially continuous treatment of distillers' slops containing not appreciably in excess of 10% of solid constituents normally present therein to enhance the feed value of said constituents which comprises substantially continuously aerating a batch of said slop, fermented aerobically with *Torulopsis utilis* in the presence of ammonia, continuously feeding into said batch such distillers' slop and ammonia, continuously removing fermented material from said batch, substantially maintaining the rate of feed of said slop and ammonia and the rate of removal of said fermented material at an average rate of residence of materials in said batch of from 2–10 hours with an ammonia concentration in excess of 1% by weight of solids of the in-feeding slop, and substantially maintaining within said batch a pH of from 4–8 and a temperature of from 75–115° F.

2,567,258
ENHANCING THE FEED VALUE OF DISTILLERS' SLOP
Ellis C. Pattee, Cincinnati, Ohio, assignor to National Distillers Products Corporation, a corporation of Virginia
No Drawing. Application April 26, 1949, Serial No. 89,817
8 Claims. (Cl. 99—5)

1. Method of enhancing the feed value of the solid constituents normally present in distillers' slops which comprises inoculating a distillers' slop containing not appreciably in excess of 10% solids with a culture of *Torulopsis utilis*, thereafter holding the slop at a temperature of 75–115° F. within a pH range of from 4–8 in the presence of ammonia substantially not exceeding about 5% by weight of said solids, and for a period of time not exceeding about 24 hours, substantially continuously aerating the slop material throughout the said period, and thereafter recovering the solids from the treated slop in substantially dried form.

2,567,259
CATALYTIC CONVERSION WITH A FLUIDIZED SOLID CATALYST
Claude W. Watson, Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 7, 1946, Serial No. 652,834
6 Claims. (Cl. 260—449)



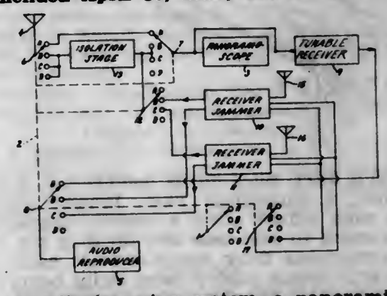
1. In the catalytic conversion of the reactants hydrogen and carbon monoxide into compounds of higher molecular weight by contact with a solid particle catalyst, the improvement which comprises effecting said contact by passing a stream of said reactants upwardly through a reaction zone comprising a relatively constricted, vertically extending passageway having an hydraulic radius not greater than about one inch and occupied by a relatively coarse dispersing fraction, consisting of substantially inert solid particles of substantially uniform diameter within the range of about 0.05 to 0.35 times the diameter of a tube having an hydraulic radius equal to that of said reaction zone, and a relatively fine catalytic fraction, consisting of catalyst particles not greater than about 0.001 times the diameter of the particles of said dispersing fraction, withdrawing the stream of effluent reaction products, separating catalyst particles therefrom, and conducting said reactant stream upwardly through the reaction zone with sufficient of said fine catalyst particles suspended therein and at a linear velocity such that said coarse dispersing particles are maintained in vibratory motion effective to interrupt discontinuity of contact between the reactants and the fine catalyst particles in the reaction zone and maintain the catalyst in a state of substantially uniform fluidization at high bed density throughout the vertical extent thereof with the reactants dispersed throughout the particle mass.

2,567,260
ANTENNA WITH DIELECTRIC CASING
Carl A. Wiley, Yellow Springs, Ohio
Application September 12, 1947, Serial No. 773,724
7 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



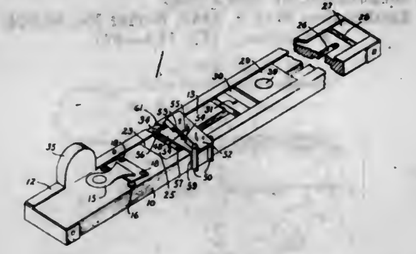
3. An antenna comprising, a plurality of cylindrical conductors having constant diameters and respective current antinodes and current nodes, and homogeneous conical masses of dielectric surrounding said conductors and having their apices adjacent to said current antinodes and their bells adjacent to said current nodes, said masses including solid cones of varying thickness.

2,567,261
COMBINED SEARCH RECEIVER AND RADIO JAMMING SYSTEM
Everard M. Williams, Dayton, Ohio
Application January 23, 1945, Serial No. 574,163
1 Claim. (Cl. 250—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



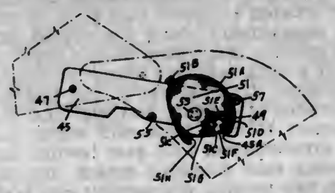
In a radio jamming system, a panoramic receiver including means providing a visual presentation of all intercepted signals within a selected range of frequencies, a plurality of tunable search receiver jammer transmitter sets each of which generates a tuning signal and a beat signal, first means for selectively electrically coupling said tuning signal of each of said sets to said panoramic receiver for visually presenting said tuning signal simultaneously with said presentation of said intercepted signals, whereby visual alignment of said tuning signal with a selected one of said intercepted signals may be effected by tuning the selected set so that the frequency of said tuning signal will approximate that of said selected intercepted signal, an audio reproduoer, said reproducer being selectively electrically connected to said selected set by said first means, said reproducer being responsive to said beat signal generated by the set to which it is connected during said tuning to aid in tuning said set by the method of zero beat, a tunable receiver being coupled to the input of said panoramic receiver, said audio reproducer being selectively coupled by said first means to said tunable receiver for aurally presenting selected signals, and means for switching said sets to transmitter operation, said last mentioned means being operable to couple said tuning signal in each of said sets to means for transmitting a jamming signal at the frequency of said tuning signal and said switching means also operable to disconnect said sets from said panoramic receiver and from said audio reproducer.

2,567,262
MARK-POSITIONING DEVICE
Frank F. Willms, East Rockaway, N. Y.
Application August 11, 1945, Serial No. 610,386
4 Claims. (Cl. 33—127)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A mark-positioning device comprising a base, a movable frame mounted on said base, a marking guide on said base, a marking guide on said movable frame, an index fixedly located on said base, a movable scale fixed at one end to said movable frame and adapted for registration with said index to indicate the linear distance between said marking guides, and a housing for enclosing said scale except for a limited portion exposed to view adjacent said index.

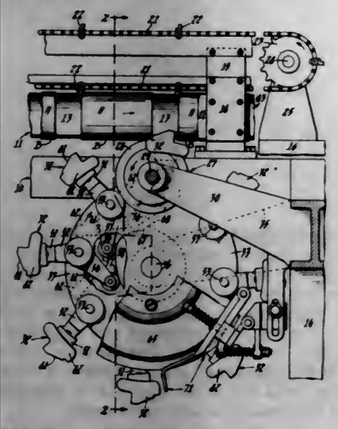
2,567,263
SOFA BED
William W. Wilson, Memphis, Tenn.
Application May 26, 1945, Serial No. 595,894
9 Claims. (Cl. 5—47)



9. In a sofa bed, including back and seat members hinged together; an abutment carried by one of said members, a latch pivotally attached at its rear end to the other of said members and extending into overlying relation with said abutment, a cooperative dog and a pin pivotally attaching said dog to said latch, said latch forwardly from said pin being forwardly and downwardly recessed and upwardly notched into the forward end of said recess, to receive said abutment, said dog having a substantially semi-circular heavy half concentric with said pivot pin, a much lighter opposite half and a projecting lug, and being positioned by said pin in overlying relation to said latch notch; said heavy half being indented at one end to form a recess spaced equally with said latch redess from said pin, extending outward from said pin, and being notched at the inner end of said recess to receive said abutment, said lighter half being cut away at the same end to form a camming surface extend-

ing from said notch and spaced from said pivot to extend below said latch, said surface terminating in a trip lug, and means carried by said latch cooperating with said lug for respectively limiting turn of said dog in one direction to face said dog notch rearwardly below said latch, and in opposite direction, with said camming surface in underlying relation to said latch.

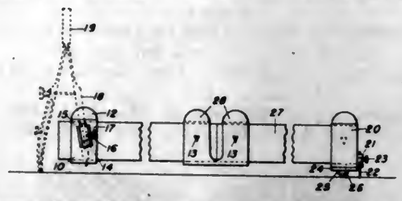
2,567,264
SHIELDING DEVICE FOR WIPER MECHANISMS
William P. Winters, Cincinnati, Ohio, and John W. Lockwood, Simcoe, Ontario, Canada, assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 2, 1949, Serial No. 90,964
6 Claims. (Cl. 113—97)



1. A wiping mechanism for removing excess coating material such as solder from the side seams of can bodies or the like, comprising feeding devices for advancing can bodies having freshly coated side seams with said side seams progressing in spaced relation and longitudinal alignment along a predetermined path of travel, a wiper located adjacent said path of travel and having engagement along the coated side seams of said passing can bodies during their advancement for wiping said side seams, shielding means for shielding the interiors of the bodies against the entrance of coating material and other foreign matter thrown from said wiper, advancing means synchronized with said feeding means for interposing said shielding means into the space between two moving consecutive can bodies, and means comprising yieldable control devices coacting with said interposing means in timed relation with said feeding devices for shifting said interposed shielding means first forwardly into position adjacent the end edge of a can body departing from said wiper and then rearwardly into yieldable engagement with the end edge of a can body approaching said wiper, without overlapping the seam surface to be wiped, for shielding both bodies.

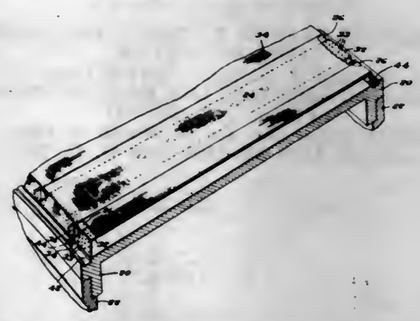
2,567,265
DEMOUNTABLE BEAM COMPASS
Clarence M. Woodward, Washington, D. C.
Application November 1, 1949, Serial No. 124,936
3 Claims. (Cl. 33—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A drafting compass comprising a beam, a resilient U-shaped clip provided with an inturned prong in a channel wall and an outward projection from a channel wall, a clamp for rigidly mounting a drafting instrument on said outward projection, a second resilient clip provided with an inturned prong in a channel wall and with a



downward projection for coupling with a base member, and a slotted base member adapted for detachably receiving said projection and provided with a pivot clamp and a plurality of supporting feet.

2,567,266
FILTER
Frank W. Young, Medfield, Mass.
Application June 4, 1947, Serial No. 752,468
6 Claims. (Cl. 210—199)



1. In a filter, filter media comprising, in combination, a supporting base, tubular division strips each affixed along a narrow longitudinal area thereof to said base and dividing the same into contiguous filter compartments each provided with drains, said division strips being slotted to provide outwardly facing grooves with narrowed openings, perforated bridges having depending longitudinal flanges on the sides thereof, said bridges being held by said flanges between and in engagement with said strips and in spaced relation to said base, filter fabric covering said compartments, supported by said bridges and having spaced narrow parallel portions thereof depressed into said grooves, and retaining rods fitting said grooves to overlie and retain said portions to lock said filter fabric in effective filtering position.

2,567,267
METHOD OF PACKAGING
Edward D. Andrews, Akron, Ohio, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Application May 20, 1947, Serial No. 749,265
6 Claims. (Cl. 93—3)

1. The method of packaging commodities comprising forming a four-sided inner sleeve from a relatively stiff material with open ends at the top and bottom of the sleeve, folding a sheet of transparent, moisture-vapor resistant wrapping material about the four sides of the sleeve with the edges of the sheet in contact and with

portions of the sheet projecting beyond the top and bottom of the sleeve, sealing the contacting edges of the sheet, closing the bottom of the sleeve by folding the lower projecting portion of the sheet transversely across the open bottom of the sleeve to form an overlapping seam and side flaps, sealing the overlapping seam, turning the side flaps against the sides of the sleeve and at-

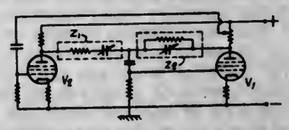


taching them to the surface of the wrapping material, filling the sleeve, and then closing the top of the sleeve by folding the other projecting portion of the wrapping material transversely across the top of the sleeve to form an overlapping seam and side flaps, sealing the same, turning the side flaps against the sides of the sleeve and attaching them to the surface of the wrapping material.

2,567,268
HYDROLYSIS OF STEROID SULFATES
Desmond Beall, Westmount, Quebec, Canada, assignor to Ayerst, McKenna & Harrison, Limited, St. Laurent, Quebec, Canada, a corporation of Canada
No Drawing. Application March 8, 1951, Serial No. 214,646. In Canada January 31, 1949
6 Claims. (Cl. 260—397.4)

1. A process for hydrolyzing a water-soluble steroid sulphate, comprising, contacting said steroid sulphate with dioxane to convert the water-soluble steroid to the free steroid.

2,567,269
THERMIONIC VALVE OSCILLATOR
Clifford Henry James Beaven, Woodmansterne, Kenneth Montague Caple, London, and Hugh Alexander Dell, Banstead, England, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 5, 1949, Serial No. 85,648
In Great Britain August 30, 1947
6 Claims. (Cl. 250—36)



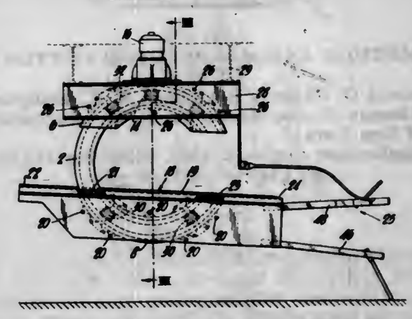
1. A resistance-capacitance oscillation generator comprising an oscillator stage provided with a first electron discharge tube having a cathode, a grid and an anode, an amplifier stage provided with a second electron discharge tube having a cathode, a grid and an anode, a frequency-discriminating network connected between the anodes of said first and second tubes and constituted by first and second serially-connected impedance arms, means to couple the junction of said arms to the grid of said second tube, and means regeneratively to couple the anode of said second tube to the grid of said first tube to sustain oscillations in said oscillator stage, said second arm having an impedance value with respect to said first arm at which the magnitude of voltage developed at said junction relative to ground is small as compared to that developed at the anode of said second tube.

2,567,270
CLOTHESLINE TENSIONING AND POSITIONING DEVICE
Daniel E. Belich, West Allis, Wis.
Application April 29, 1946, Serial No. 665,810
7 Claims. (Cl. 248—353)



3. A clothes line tensioning device comprising a tubular prop, a line engaging hook mounted on the prop, a plurality of pulleys mounted on the prop in spaced relation for passage of the hook therebetween, and means for causing relative movement between the hook and pulleys for drawing line slack into concealed position into and holding the slack within the prop.

2,567,271
APPARATUS FOR HANDLING ROD AND WIRE BUNDLES OR THE LIKE
Bruce N. Bletso, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application February 28, 1950, Serial No. 146,783
4 Claims. (Cl. 193—40)



1. Apparatus for handling bundles of rod or wire and the like for use with a pay-off mechanism which comprises a pair of C-shaped ring gears mounted upright in juxtaposition, means for rotating said gears to bring the spaces between the end in registry in predetermined positions, spaced bracket guide means enclosing an arc portion of said gears, and an elongated skid

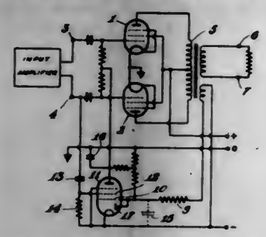
mounted on said guide bracket means and extending substantially horizontally in both directions therefrom generally in the plane of rotation of said gears.

2,567,272

CIRCUIT ARRANGEMENT FOR PROTECTING AN AMPLIFYING TUBE AGAINST OVERLOADING

Pieter Klaas Buys, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application June 24, 1947, Serial No. 756,730
In the Netherlands June 27, 1946
8 Claims. (Cl. 179—171)



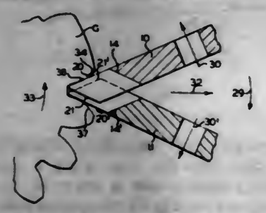
1. An overload protection circuit for an amplifying system having a source of desired signals, an amplifier stage adapted for operation in class AB, B or C coupled to said source and a load impedance coupled to the output of said amplifier stage, comprising an electron discharge tube having cathode, input and output electrodes defining an input circuit and an output circuit, means coupled to said amplifier stage to derive a first potential proportional to the output voltage of said amplifier stage, means to apply said first potential to the input circuit of said discharge tube, rectifier means coupled to the input circuit of said discharge tube to limit the amplitude of said first potential to a given value, means coupled to said source to apply a second alternating potential to the input circuit of said discharge tube, means coupled to the output circuit of said discharge tube to derive therefrom a control voltage at amplitude values of said first potential below said given value, and means to vary the amplitude of said desired signals at the output of said amplifier stage proportional to the value of said control voltage.

2,567,273

METHOD AND MACHINE FOR CUTTING GEARS

Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application August 1, 1947, Serial No. 765,291
25 Claims. (Cl. 90—3)



1. The method of cutting the tooth surfaces of a gear or the like which comprises positioning a disc milling cutter, which has side-cutting edges at opposite sides, in engagement with the work so that its axis is inclined to the pitch plane of the work, rotating the cutter in engagement with the work to rough-cut one side of a tooth space of the work with the side-cutting edges, which lie at one side of the cutter, then shifting the cutter axially and depthwise relative to the work to bring the cutting edges at the opposite side of the cutter into engagement with the opposite side of the tooth space, and finish-cutting the opposite side of the tooth space with the side-cutting edges which lie at the opposite side of the cutter by rotating the cutter in engagement with the work.

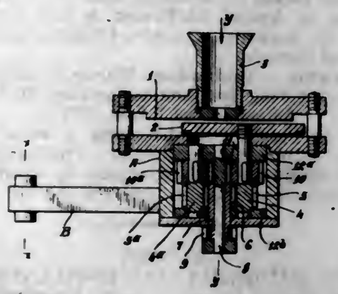
18. A machine for cutting gears and the like, comprising an oscillatory cradle, a work support and a tool support, one of which is mounted on the cradle, said tool support being adjustable angularly about the axis of the cradle, a slide mounted on the tool support for adjustment rectilinearly on said tool support, a tool head mounted on said slide for adjustment angularly about an axis extending at right angles to the cradle axis, and a disc-milling cutter journalled in said tool head.

2,567,274

APPARATUS FOR KNEADING AND MANUFACTURING GRANULATED PLASTIC MASSES

Roberto Colombo, Turin, Italy

Application February 19, 1948, Serial No. 9,583
In Italy May 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 15, 1964
2 Claims. (Cl. 18—1)



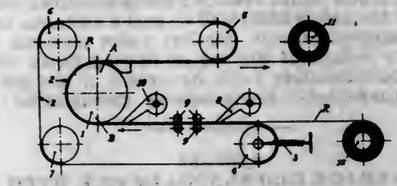
2. Apparatus for kneading and producing granulated plastic masses comprising a frame, a flat disc fixed to said frame, a shaft fixed to said frame, a gear fixed on said shaft, a hollow shaft rotatably mounted on said fixed shaft, two gears fixed on said hollow shaft, a cage formed by two opposed flat surfaces and means for rigidly connecting them together, said cage being coaxial with said fixed and hollow shafts, the two surfaces being bored to provide a seat for two further shafts parallel with the axis of the cage and rotatably mounted in said cage, the distances between the axis of each of said last mentioned shafts and the axis of the cage being equal, two gears fixed on each of said mentioned shafts, one of said last mentioned gears meshing with one of the gears fixed to the hollow shaft, and the other meshing with the gear fixed to the shaft fixed to the frame, one of said last mentioned shafts having fixed to an extension thereof beyond the cage towards the fixed flat disc a further flat disc, means for driving the hollow rotatable shaft, a trough arranged along the axis of the stationary disc for supplying the material to the clearance between said disc and the rotating disc.

2,567,275

APPARATUS AND METHOD OF GOFFERING THERMOPLASTIC MATERIALS

Roberto Colombo, Turin, Italy

Application February 20, 1948, Serial No. 9,747
In Italy February 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1964
4 Claims. (Cl. 18—6)



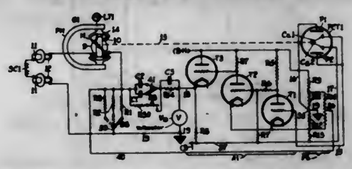
1. A continuous process of goffering thermoplastic sheets, which includes the steps of placing the thermoplastic sheet on an endless pressure band, heating said thermoplastic sheet on the face to be finished, passing the endless pressure band in a looped path about a substantial portion of the circumference of a rotating drum on which the pattern to be embossed is engraved, said drum being kept at a temperature lower than the temperature at which the thermoplastic sheet may be goffered, the thermoplastic sheet to be goffered being pressed over said looped path between the cooled rotating drum and endless pressure band, with its warmed face facing the engraved surface of the rotating drum.

2,567,276

ELECTRIC CURRENT INTEGRATING APPARATUS

Robert H. Dicke, Princeton, N. J.

Application December 26, 1947, Serial No. 794,027
9 Claims. (Cl. 171—95)



8. An electric varying potential integrating apparatus comprising, electro-responsive means connected to respond to the varying potential, a condenser, and electronic means controlled by said electro-responsive means and having an output circuit including said condenser and connected to said electro-responsive means in such manner as to substantially neutralize the effect of said varying potential acting on said electro-responsive means to thereby charge said condenser by current flow thereinto at a rate proportional to said potential irrespective of the counterpotential existing in said condenser, and means for measuring the charge on said condenser.

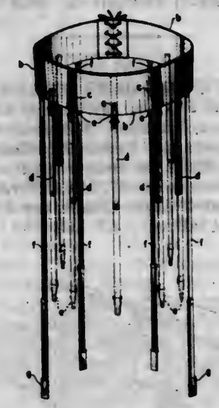
2,567,277

BLOUSE HOLDER

Josephine C. Farquhar, Philadelphia, Pa.

Application June 4, 1949, Serial No. 97,184
1 Claim. (Cl. 2—313)

A device adapted to insure against slippage from a desired position of a blouse, shirtwaist or other garment covering the trunk of a human body, which comprises a belt consisting of a suitable length of material adapted to encircle the waist of the wearer under and above the lower edge of the blouse, a series of spaced-apart buttons arranged on the outer face of said belt and thus under the blouse, a series of strips, corresponding in number to the buttons, depending from the belt and in substantial vertical alignment with the buttons and of a length sufficient to extend downward under the blouse and thence upward to approximately the level of the buttons,



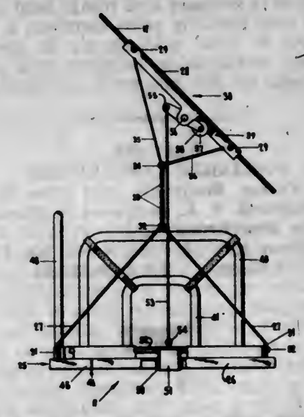
and fasteners at the ends of the strips, the fasteners having closed end hooks adapted, when the fastener ends of the depending strips are folded up and over the front of the blouse and over the button-holding area of the belt, to extend over the buttons and to be pulled down into engagement with the corresponding buttons covered by the cloth of the blouse.

2,567,278

FIRE ESCAPE MECHANISM

Carlo U. Finocchiaro, New York, N. Y.

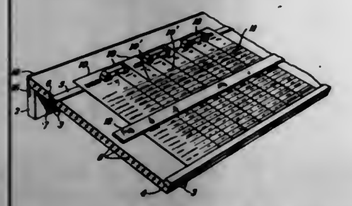
Application May 26, 1947, Serial No. 750,503
1 Claim. (Cl. 227—33)



In a fire escape mechanism comprising two carrier cables, a chair, a chair supporting frame mounted on said carrier cables, said chair supporting frame having brake mechanism comprising tubes slidable on said carrier cables, said tubes having sheave carrying levers pivotally mounted thereon, said tubes having openings permitting said sheaves to wedge said carrier cables against said tubes for exerting a frictional braking action on each of said cables, said chair having a platform slidably suspended from said carrier cables and a seat vertically movable to and from said

platform, said chair and seat being supported from both said cables and entirely below said cables, said seat being connected with said brake mechanism, whereby when a person sits on said movable seat, said seat is moved downwardly solely due to the weight of the person and said mechanism is automatically set into frictional wedging engagement with said cables to check sudden downward motion of said chair to the ground.

2,567,279
RECORD SHEET HOLDER
Henry Edward Foster, Mitcham, and Frederick William Horace Lacey, Worcester Park, England, assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application November 27, 1948, Serial No. 62,324
In Great Britain December 3, 1947
5 Claims. (Cl. 281—44)



1. A record sheet holder for use in a system of computation in which sheets of paper having data inscribed thereon are required to be placed in an overlapping relationship with the data visible for computation, said holder comprising a backing support of non-magnetic material, a strip of ferro-magnetic material movable relative to said support, cooperating guide elements on said strip and said support to position said strip relative to said support, a packing edge member at one edge of said support, cooperating means on said strip and said support to fix said strip relative to said support and retain said strip parallel with said packing edge member, a plurality of magnets to hold said sheets in the desired overlapping relationship between said strip and said magnets by the magnetic attraction therebetween.

2,567,280
VARIABLE CONDENSER
Harry R. Foster, Montville, and Elmo E. Crump, West Caldwell, N. J., assignors to Ohmega Laboratories, Pine Brook, N. J.
Application July 21, 1950, Serial No. 175,236
3 Claims. (Cl. 175—41.5)

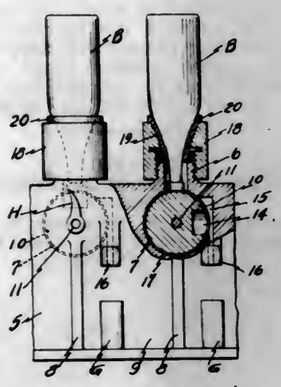


2. An adjustable condenser unit of very low capacity including a stator tube of suitable insulating material having its interior surface screw threaded with a metal ring on each of its outer ends, a rotor comprising a single piece metallic rod having enlarged threaded end portions spaced apart the same distance as said rings and connected by a portion of much less diameter than said threaded portions and forming therewith two condensers electrically connected in series by said rod portion, between said enlarged portions, to form said unit.

2,567,281
FLUSHED METHYL VIOLET INKS
Morris A. Gardepe, Dover, N. J., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 6, 1948, Serial No. 6,809
6 Claims. (Cl. 106—27)

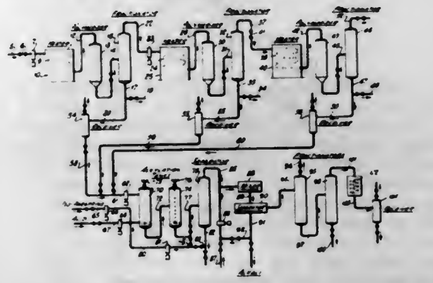
2. A methyl violet ink comprising a petroleum hydrocarbon liquid vehicle having a boiling point within the range 285°–300° C. and a resinous binder dissolved therein, methyl violet pigment, 5–15% by weight of the ink of linseed fatty acid, and approximately 1–4% by weight of the ink of 1-hydroxyethyl-2-heptadecenyl glyoxalidine.

2,567,282
BEVERAGE DISPENSING DEVICE WITH OSCILLATING TRAP CHAMBER
Glenn L. Gardner and Robert E. Boettcher, Bay City, Mich.
Application September 2, 1947, Serial No. 771,666
1 Claim. (Cl. 222—363)



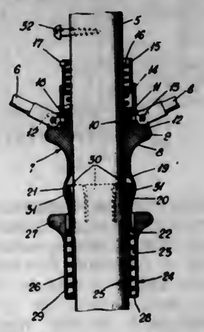
A beverage dispensing device of the class described comprising, a closed housing, a cylinder rotatably mounted in said housing and formed with a measuring chamber therein, a yieldable, resilient lining provided on said cylinder, a duct in said housing adjacent said cylinder and open thereto, a hollow spout leading downwardly from said duct, said measuring chamber communicating with the duct when the cylinder is rotated to predetermined position, an exteriorly threaded, upwardly projecting neck on said housing and having a centrally disposed passage communicating with said cylinder, an adaptor adjustably threaded on said neck and formed with a passage communicating with the passage in said neck, a yieldable lining in said adaptor passage, said passage and liner being shaped to snugly accommodate the neck of the bottle of beverage to be dispensed, with the open end of the neck in sealing contact with the yieldable lining on the cylinder, and manually operable means for rotating said cylinder to alternately bring said measuring chamber into alignment with the open end of the beverage bottle and said duct respectively.

2,567,283
METHOD OF MANUFACTURING MOTOR FUELS BY POLYMERIZATION AND ALKYLATION
Arthur R. Goldsby, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application June 25, 1938, Serial No. 215,736. Divided and this application January 26, 1944, Serial No. 519,759
3 Claims. (Cl. 260—683.4)



1. In the manufacture of substantially saturated gasoline hydrocarbons from a refinery hydrocarbon fraction containing a mixture of different olefins, the method comprising selectively and separately polymerizing a plurality of said olefins and separately recovering a plurality of the resultant olefin polymers, blending a proportion of one of the separately recovered polymers with at least one other separately recovered polymer, and alkylating an isoparaffin with the polymer blend in the presence of an acid alkylation catalyst under alkylating conditions including the maintenance throughout the entire reaction of a substantial molar excess of isoparaffin to monomeric olefin equivalent of the said olefin polymer to produce subtantially saturated gasoline hydrocarbons.

2,567,284
UMBRELLA LATCH DEVICE
Herbert Hacken and Louis J. Levin, Rockville Centre, N. Y.
Application October 20, 1947, Serial No. 780,790
7 Claims. (Cl. 135—41)

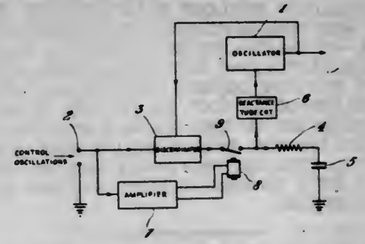


1. A device for retaining an umbrella in open and closed positions, said device comprising a tubular unit mounted for sliding movement longitudinally of the umbrella rod, said unit comprising a main body having two opposed bevelled inner surfaces, a sleeve movable longitudinally of the body, said sleeve carrying a plurality of gripper fingers adapted to engage the bevelled surfaces of said body in gripping the umbrella rod, spring means normally supporting the gripper fingers in position supporting the umbrella in closed position, means on said body for coupling umbrella rib supporting rods in connection therewith, said rod having a stop adjacent the upper end thereof, and yieldable means engaging said stop in forcing the body longitudinally of the rod to move the gripper fingers into engagement with the rod by the other bevelled surface of said body in supporting the umbrella in open position.

2,567,285
STERILIZATION AND CLARIFICATION OF RAW WATERS
Harold R. Hay, Bryn Mawr, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 5, 1945, Serial No. 597,721
14 Claims. (Cl. 210—23)

1. In the manufacture of coagulation aids for use in clarifying raw waters, the process which comprises adding sufficient chlorine to a dilute aqueous sodium silicate solution, having a weight ratio of Na_2O to SiO_2 ranging from about 1:1 to 1:4 and a concentration of about 0.5 to 15 per cent by weight to produce a mixture which is in the state of incipient gel formation, then diluting the solution with water to stabilize it and to prevent gel formation prior to use.

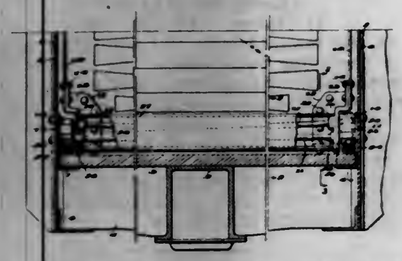
2,567,286
DEVICE FOR AUTOMATIC FREQUENCY CORRECTION
Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 2, 1947, Serial No. 789,201
In the Netherlands December 5, 1946
3 Claims. (Cl. 250—36)



1. An automatic-frequency-control system for synchronizing the frequency of an oscillator having a resonant frequency-determining element with the frequency of a source of control oscillations, said system comprising frequency discriminating means whose input circuit is coupled both to said oscillator and said source and whose output circuit yields a control voltage proportional to the frequency difference existing between said oscillator and said source, said output circuit having a value of impedance which in the absence in said input circuit of said control oscillations from said source is high relative to the value exhibited during said control oscillations, a voltage-responsive variable reactance device coupled to said resonant element of said oscillator to vary the frequency thereof, means to apply said control voltage to said reactance device to vary the frequency of said oscillator whereby synchronism is effected between said oscillator and said source, a capacitance, an impedance member connected in series with said

capacitance across the output circuit of said discriminating means, said impedance member and said capacitance having respective values at which the time constant of the network formed thereby in connection with the impedance of said output circuit is relatively long in the absence of control oscillations from said source in said input circuit and during the existence of said control oscillations is relatively short whereby the effect of said capacitance on said discriminating means during the existence of control oscillations is substantially negligible.

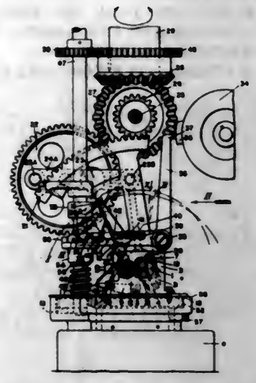
2,567,287
DROP END GONDOLA CAR
Orville Ingram, Washington, D. C.
Application February 14, 1946, Serial No. 647,608
9 Claims. (Cl. 105—406)



1. In a railway car having an underframe and a body supported thereby, the combination with an end door whose swinging movement to closed position is opposed by the action of gravity, of a pair of relatively inclined torsion rods extending transversely of the door adjacent the lower edge thereof, a pair of brackets rigidly secured to the door adjacent opposite sides thereof, and brackets rigid with said car body respectively adjacent said brackets on the door, one end of each rod being rigid with one of the brackets secured to the door and the opposite end of each rod projecting beyond the bracket secured to the opposite side of the door into engagement with the bracket mounted on said car body adjacent the opposite side of the door, the portions of said rods that engage the car body brackets serving as hinge members for said door, when the door is swung to open position the rods are twisted and thereby exert a force tending to move the door toward closed position.

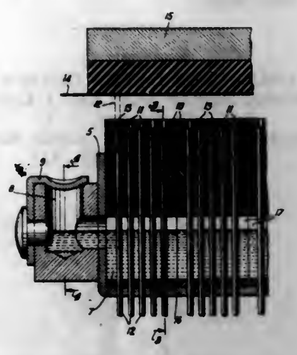
2,567,288
DRAWING-OFF MECHANISM FOR CIRCULAR KNITTING MACHINES
Jaroslav Javorek, Zlin, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application November 1, 1946, Serial No. 707,271
In Germany February 15, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 15, 1963
8 Claims. (Cl. 66—153)

1. Drawing-off mechanism for circular knitting machines of the type including a needle cylinder capable of both rotary and oscillating knitting, gearing including an oscillating gear member for oscillating said cylinder, drawing-off rollers for the knitted material, a rotatable support for said rollers, and means for locking said support against rotation and holding the support in a stationary location during oscillation of said cylinder; said mechanism comprising an actuating part connected to said gear member to move to-and-fro therewith in timed relation with oscillations transmitted thereby to the needle cylinder, a device used only during oscillating knitting, said device being mounted to move to-and-fro with said actuating part, an operating connection between said device and the drawing-off rollers for rotating said rollers



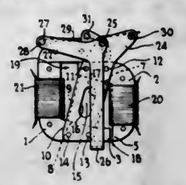
stepwise when said device moves to-and-fro, and control mechanism for stopping the operation of said rollers by said device, which mechanism is movable to engage said device and hold it inoperative whilst said gearing is in operation during oscillating knitting.

2,567,289
INKING MEANS FOR ROD-LIKE PRINTING MEMBERS
Earl E. Libman, Brooklyn, N. Y., assignor to Control Instrument Company, Inc., New York, N. Y., a corporation of New York
Application January 18, 1949, Serial No. 71,455
3 Claims. (Cl. 101—327)



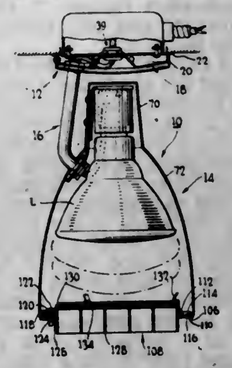
1. A printing device comprising a casing, a guide member therein of absorbent material having a channel therethrough combining with said casing to form a reservoir for receiving a printing fluid, said guide member having openings therethrough, and a rod-like printing element extending into each of said openings in direct contact with the wall thereof with one end of the element normally recessed in its opening and having an impression forming surface at said end adapted, by relative movement between said element and guide member, to be projected beyond the adjacent surface of the latter, said printing element having constant contact with the wall of its opening in both the normal and projected positions of said element.

2,567,290
MAGNETO
Stanley D. Livingston, Freeport, N. Y.
Application February 23, 1949, Serial No. 77,800
8 Claims. (Cl. 171—209)



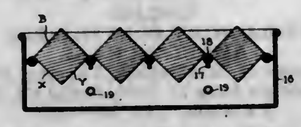
1. A magneto, comprising, in combination: a core formed with an air gap therein; a permanent magnet connected to the core causing a magnetic flux therethrough; an armature spanning the air gap; a manually operable pivoted lever; a protuberance on the armature positioned to lie in the path of the pivoted lever when operated; a flat spring attached at one end to the lever; a member fixed with respect to the core supporting the other end of the lever and said protuberance bearing against the mid-portion of the spring whereby a movement of the lever causes an initial separation of the armature from one end of the core and the spring causes a wide snap separation of the armature and said one pole thereafter and wire winding on the core wherein a difference of potential is generated.

2,567,291
ELECTRIC LIGHTING FIXTURE WITH ROTATABLE BASE AND ROTATABLE HOUSING
Oliver L. Lundquist, New York, N. Y., assignor to Century Lighting, Inc., New York, N. Y., a corporation of New York
Application January 22, 1949, Serial No. 72,190
7 Claims. (Cl. 240—78)



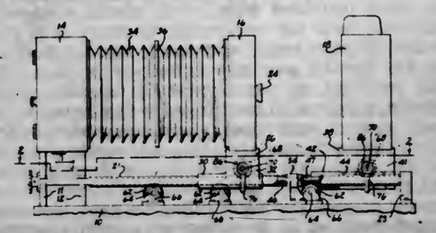
2. An electric lighting fixture of the character described comprising a base, a hollow stem and a lamp housing carried by said stem; said base including a stationary member, a second member in juxtaposition to said stationary member, means rotatably to interconnect said members, a spring to urge said members together whereby said two members and spring constitute a spring-loaded rotary friction joint, means to interconnect one end of said stem and said second member at a region on said second member spaced from the axis of rotation of said members, said interconnecting means being hollow, an electric cable extending through said hollow interconnecting means and into said hollow stem, means to limit the relative rotation of said members to less than a full turn, a canopy superimposed over and covering said members and having an opening through which said stem passes, and means to connect said canopy to said second member for movement therewith.

2,567,292
METHOD OF IMPREGNATING WOOD WITH CHEMICAL SOLUTIONS
Carl Brynolf Lundstrom, Little Falls, N. Y.
Application January 24, 1947, Serial No. 724,107
2 Claims. (Cl. 144—309)



1. The method of locally densifying the surface portion of a wooden article in a limited surface area and for a limited depth beneath said surface area which consists in preparing a blank which is over-size in said surface area to an extent corresponding to the contemplated densification; steaming the surface of the blank in said area while inhibiting the action of steam on the remaining area of the surface of the blank; continuing said steaming until the blank is at a temperature of at least 212° F. for a depth corresponding to the desired depth of densification; contacting said area with a cold impregnating solution until the portion of the blank so heated is impregnated with said solution; and thereafter subjecting said blank to heat and forming pressure applied to said area whereby the article attains its final form and dimensions by densification of the portions so impregnated.

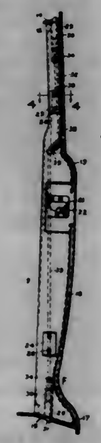
2,567,293
DARKROOM CAMERA
John D. Maxwell, Glen Head, N. Y., assignor to Powers Photo Engraving Company, Glen Cove, N. Y., a corporation of New York
Application May 19, 1949, Serial No. 94,127
2 Claims. (Cl. 88—24)



1. In a dark room camera having a bed, a housing for the sensitized material, a lens mounting and a copyboard, said lens mounting and copyboard being movable toward and away from the sensitized material and along said bed, and means for moving one of the movable elements comprising an elongated worm rotatable on and held against axial movement along the bed, a first worm gear freely rotatably mounted in a relatively friction-free mounting on the bed below said worm and meshing with the worm to support the worm whereby the worm is supported without interfering with the utility of the entire length thereof and without substantial frictional impedance, a second worm gear rotatably mounted on said movable element and means optionally locking it against rotation, said second worm gear being in mesh with the upper

side of said worm whereby rotation of the second worm gear provides a coarse adjustment of said movable element, said first worm gear serving to hold said worm in close mesh with the second worm gear for thereby preventing sagging of the worm and resulting looseness and backlash due to such sagging, with resultant greater accuracy in focussing of the camera, and rotation of the worm while the worm gear is locked provides a fine adjustment of said movable element along the bed.

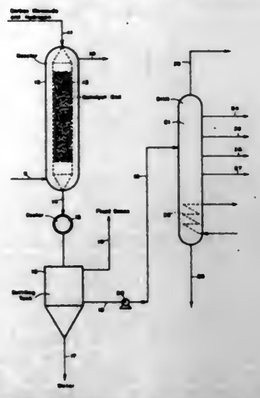
2,567,294
VEHICLE BODY CONVERTIBLE TO AMBULANCE USE
Freeman H. McClintock, Lansing, Mich.
Application June 15, 1949, Serial No. 99,279
3 Claims. (Cl. 296—28)



1. The combination of a vehicle body of the sedan type provided with an entrance space at one side thereof defined in part by top and bottom rails, a pillar bridging said entrance space between the front and rear ends thereof, said pillar being provided with latch means engageable with said rails for removably latching said pillar to one of said rails, said latch means having a handle located partially exteriorly of said pillar and received in an outwardly opening recess therein, a pair of doors hingedly connected to said body, one of said doors being provided with a door overlap flange overlying and concealing said handle when said last mentioned door is closed, and means on said pillar and said other door for fixedly connecting said pillar to said last mentioned door so as to swing as a unit therewith when the latch means on the pillar is disengaged from said rails.

2,567,295
METHOD FOR THE SYNTHESIS OF HYDROCARBONS WITH A REDUCED GAMMA IRON OXIDE CATALYST
Winfred O. Milligan, Houston, and James C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application January 3, 1949, Serial No. 69,068
15 Claims. (Cl. 260—449.6)

1. A process for producing hydrocarbons including the steps of passing a gaseous mixture of carbon monoxide and hydrogen at a temperature within the range of 450° to 675° F. and a pressure in the range of 10 to 600 pounds per square inch gauge over a catalyst mass, prepared by the reduction at a temperature in the range between 750° and 1400° F. of a mixture of Fe_2O_3 in the form of gamma oxide crystals and an effective amount in the range between 1% and



15% by weight based upon the oxide of an alkali metal stabilizing agent, to obtain a substantial amount of hydrocarbon and oxygenated hydrocarbon product, removing product from contact with the catalyst, and recovering hydrocarbons and oxygenated hydrocarbons therefrom.

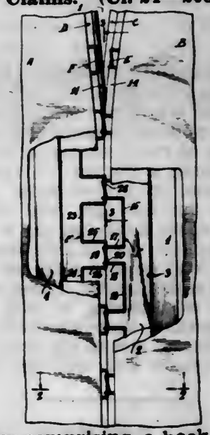
2,567,296
PREPARATION OF A FISCHER-TROPSCH CATALYST
Winfred O. Milligan, Houston, and James C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Original application January 3, 1949, Serial No. 69,068. Divided and this application June 6, 1949, Serial No. 97,436
4 Claims. (Cl. 252—474)

1. A method for preparing a catalyst adapted for use in a Fischer-Tropsch synthesis consisting of the steps of preparing an admixture of Fe_3O_4 and an amount in the range between 1% and 15% by weight calculated as the oxide of a compound selected from the group consisting of the oxides, hydroxides and carbonates of the alkali metals, heating said admixture in the presence of a free oxygen-containing gas at a temperature in the range between 750° and 1400° F. to convert the major portion of said Fe_3O_4 to Fe_2O_3 in the gamma crystalline form and subsequently contacting said heated admixture with a reducing atmosphere at a temperature in the range between 750° and 1400° F. for a time ranging from 10 minutes to 24 hours.

2,567,297
PREPARATION OF A FISCHER-TROPSCH CATALYST
Winfred O. Milligan, Houston, and James C. Schiller, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application July 5, 1949, Serial No. 103,108
4 Claims. (Cl. 252—474)

1. A method for preparing a composition suitable for use as a catalyst comprising the steps of admixing gamma ferric oxide monohydrate with a stabilizing agent consisting of a compound selected from the oxides, hydroxides, and carbonates of the alkali metals in an amount in the range between 1% and 15% by weight, subjecting the mixture to a temperature in the range between 750° and 1400° F. in the presence of a free oxygen-containing atmosphere for a time in the range between 10 minutes and 24 hours to obtain a mixture of Fe_2O_3 in the form of gamma crystals and stabilizing agent, and subsequently contacting the mixture with a reducing atmosphere at a temperature in the range between 750° and 1400° F. for a time in the range between 10 minutes and 24 hours.

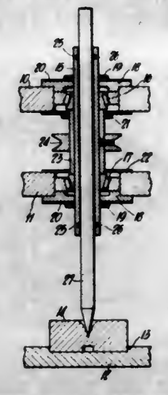
2,567,298
WATERPROOF FASTENER
Hans G. Morner and Eric J. Fredsell, New York, N. Y.; said Fredsell assignor to said Morner
Application January 4, 1945, Serial No. 571,290
8 Claims. (Cl. 24—203)



1. A fastener comprising, a hook and a member movable substantially unilinearly into engagement with and disengagement from said hook, an inclined cam-like surface at each side of said hook, said hook engaging member adapted to ride said cam-like surfaces as the fastener is hooked and unhooked, said hook and said engaging member each being formed of resilient metal yieldable to permit hooking and unhooking by said rectilinear movement, said hook and said member being mounted on opposed and oppositely-movable inter-engaging strips of compressible material, said strips when inter-engaged being in a state of compression and exerting a resilient, interlocking force upon the hook and said member.

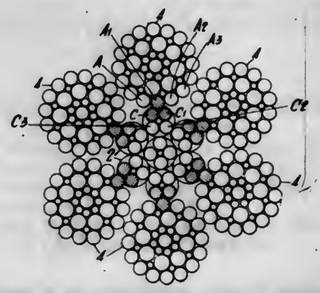
2,567,299
TOOLHOLDING SPINDLE FOR DIE-LAPPING MACHINES
Dewey Pastell, Winthrop Harbor, Ill.
Application July 6, 1948, Serial No. 37,285
1 Claim. (Cl. 279—102)

In a die-lapping machine, a spindle journaled for rotation and mounted for reciprocation toward and from a die-blank holder, said spindle having an axial bore therein, a lapping tool having a shank smaller than said bore inserted into the later, a pair of washers of rubber-like material fixed in said bore at points spaced therealong, the inner edge of each washer fitting snugly around said shank and being adapted to flex under thrust applied to the tool as a result of engagement with a die blank on the holder, thereby permitting limited axial movement of the tool in said bore while constantly tending to restore it



to normal position and thus cushioning repeated engagements of the tool with the blank.

2,567,300
WIRE ROPE
Harvey W. Riddle, Branford, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 30, 1949, Serial No. 102,413
2 Claims. (Cl. 57—145)

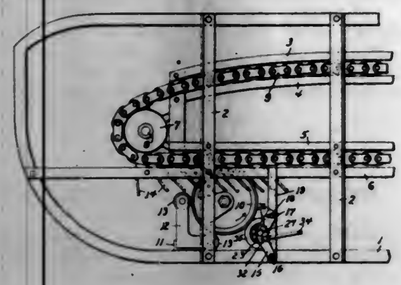


1. A wire rope comprising an independent wire rope core and a plurality of strands laid around said core, said strands being formed of a plurality of wires, the outer wires of each strand and the outer wires of the core all being of substantially the same diameter, any single outer wire of the strands and any single outer wire of the core being in paths which are approximately parallel at the point of contact between them, the outer wires of each strand and the outer wires of the core contacting each other in such a manner that one wire in one of the contacting members will always rest in a saddle formed by two adjacent wires of the other contacting member.

2,567,301
SUDS-FORMING AND MOISTURE-SUPPLYING MEANS FOR SPINDLE MOISTENING APPARATUS
John D. Rust, Memphis, Tenn.
Application October 25, 1948, Serial No. 56,328
16 Claims. (Cl. 56—41)

1. In a cotton picking machine wherein is provided a rotary spindle moistener, the improvement which comprises a sponge-roller mounted with its periphery in contact with said rotary moistener, and means to supply a suds forming

liquid to said sponge-roller, said sponge-roller including a spool roller having a cup at its upper end with partitions dividing the cup into a set of individual pockets, said spool having ports in



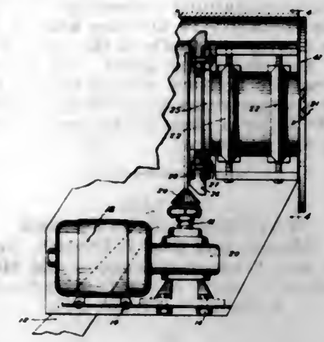
its periphery, there being a port for each corresponding pocket, said roller having ducts from the respective pockets to the corresponding ports, and a sponge rubber cylinder on the periphery of said roller.

2,567,302
FOLDABLE LADDER
Karel Sip, Slany, Czechoslovakia
Application June 19, 1948, Serial No. 34,035
In Czechoslovakia August 18, 1947
1 Claim. (Cl. 228—19.2)



A double ladder consisting of a pair of foldable ladders each of the type which comprises a pair of side structures each composed of arms and links and with pivots disposed on said arms and links for connecting said arms and links at points equidistantly spaced apart from one another, said links being pivotally connected, by means of said pivots, at one of their ends with one end of one of said arms, at a median point with a median point of the subsequent arm, and at the other end with the other end of the next succeeding arm, arm and link sections between and with their pivots thus forming collapsible and expansible rhomb mechanisms; equally disposed arms of both side structures being integrally shaped as open U-shaped stirrups, the bases of the U-shaped stirrups interconnecting the side structures and forming the steps of the ladders; each of said side structures having a hinge for pivotally joining said ladders, the steps of the U-shaped stirrups of one of said ladders being of a width and the appertaining arms of a length greater than those of the other of said ladders, thus sufficient, when said stirrups and said links are folded together, to accommodate in the space confined at three sides by the juxtaposed stirrups and links of the first of said ladders, the juxtaposed stirrups and links of the second of said ladders.

2,567,303
PIPE HANDLING APPARATUS FOR WELDING
Walter Statkus, Milwaukee, Wis.
Application August 1, 1949, Serial No. 107,998
2 Claims. (Cl. 113—102)



2. A pipe handling apparatus for welding including a casing mounted for movement about a horizontal axis, a cylinder for retaining an object to be welded mounted in said casing for rotation about an axis at right angles to the axis of said casing mounting, a plurality of ribs circumferentially disposed on said cylinder, a plurality of riding blocks for the ribs held in said casing, threaded means for adjusting the blocks to adjust the position of the axis of rotation of an object to be welded held in said cylinder, an electrical motor held in said cylinder, a gear reduction unit connected to said motor, a ring gear on the cylinder, a movable gear operable by said gear reduction unit, and means for bringing the movable gear into mesh with said ring gear to rotate said cylinder.

2,567,304
SOLUBLE, UNSATURATED, AIR-DRYING INTERPOLYMERS OF 2-ALKENOXYALKYL ESTERS OF ALPHA-OLEFINIC MONOCARBOXYLIC ACIDS WITH SELECTED 2-ALKENYL COMPOUNDS AND PROCESS OF MAKING SAME
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 11, 1948, Serial No. 7,701
9 Claims. (Cl. 260—86.1)

1. A process of making a soluble, unsaturated air-drying resin which comprises heating a mixture of (A) an ester of a beta-(2-alkenoxy) alkanol selected from the group consisting of

$$CH_2{=}CH{-}CH_2{-}O{-}CH(R'){-}CH(R''){-}OH$$
$$RCH{=}CH{-}CH_2{-}O{-}CH(R'){-}CH(R''){-}OH$$

and

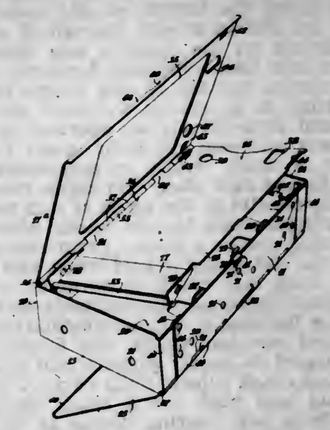
$$CH_2{=}C(R){-}CH_2{-}O{-}CH(R'){-}CH(R''){-}OH$$

where R is an alkyl group containing not over three carbon atoms and R′ and R″ are selected from the group consisting of hydrogen and alkyl groups containing not over three carbon atoms with an acid having the formula

$$CH_2{=}C(R){-}COOH$$

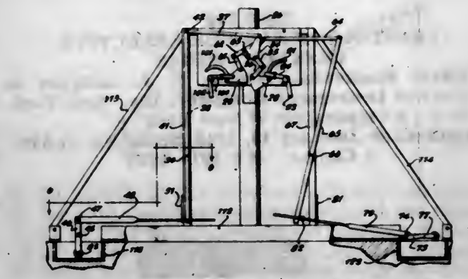
where R is selected from the group consisting of hydrogen, methyl, ethyl and chlorine, (B) a 2-alkenyl compound selected from the group consisting of $CH_2{=}CH{-}CH_2X$, $RCH{=}CH{-}CH_2X$, and $CH_2{=}C(R){-}CH_2X$, where R is selected from the group consisting of chlorine, methyl, chloromethyl and ethyl and where X is selected from the group consisting of hydroxyl, chlorine, alkoxy, cycloalkoxy, aryloxy, aralkoxy, and acyloxy derived from a non-enic monocarboxylic acid, the amount of (B) ranging from 1 to 5 moles per mole of (A), and (C) a catalytic amount of an organic peroxide, at a temperature of from 60° C. to 100° C. for a time which is considerably longer than would be possible without gelation in the absence of (B), and thereby effecting polymerization of a considerably higher proportion of (A) to soluble polymeric form than would be possible in the absence of (B), halting the polymerization before gelation occurs and thereby obtaining a soluble, unsaturated, air-drying resinous interpolymer of (A) and (B) which is convertible to insoluble, heat-resistant form by further polymerization at room temperature and in the presence of oxygen.

2,567,305
AUTOGRAPHIC REGISTER
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and F. B. Diesbach, Hamilton, Ohio, trustees
Application March 15, 1949, Serial No. 81,565
3 Claims. (Cl. 282—6)



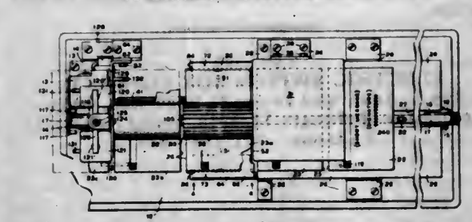
1. The combination, in an autographic register, of a writing platen over which a strip of connected manifold forms may be passed, each of said forms having a hole therein, strip arresting means including a depressible pin for cooperation with said holes to control the travel of the strip over the platen, a pair of form guides fixed to said platen adjacent said pin and projecting upwardly from said platen, said guides being spaced to confine the travel of the strip between them and prevent lateral displacement of said strip whereby successive holes in the strip are alignedly positioned to be sequentially engaged by said arresting means, a lid for said casing, said lid being movable into closed position in spaced parallel relationship with said platen and movable out of said closed position to expose said platen, said lid having spaced apertures to receive said form guides in interfitting engagement, whereby upon closing of said lid said guides are engaged in said apertures and whereby said lid, platen and guides form a closed frame to contain said strip and prevent said strip from becoming wedged between said guides and said lid even though a lateral pull is exerted on said strip.

2,567,306
AUTOMATIC GATE KEEPER APPARATUS
Carl F. Wheeler, Medina, Tex.
Application October 11, 1949, Serial No. 120,799
8 Claims. (Cl. 292—94)



1. Automatic gate keeper apparatus comprising a keeper mounted on a pivot at one side of its center of gravity and shiftable between an operative position and a raised inoperative position, means connected to said keeper for shifting said keeper from operative to inoperative position, and overbalancing lever pivoted below its center or gravity connected to said means, said overbalancing lever being turnable on its pivot from a normally vertical position when said keeper is in operative position to an angularly disposed position when said keeper is raised to inoperative position, the overbalanced weight of said lever being sufficient to retain said keeper in inoperative position, a treadle operated crank, and a slide connected to said crank for moving said lever from vertical to overbalanced position.

2,567,307
SYSTEM AND APPARATUS INVOLVING OPTICAL SCANNING
Raleigh J. Wise, Dunellen, and Garvice H. Ridings, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application June 12, 1946, Serial No. 676,180
36 Claims. (Cl. 178—7.1)

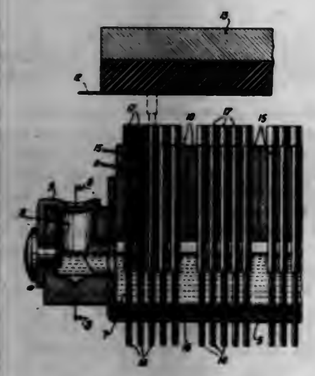


23. A facsimile machine having a stationary cylinder, a slidable carriage provided with means for holding a sheet wrapped around said cylinder, scanning mechanism arranged to operate on a sheet held on said cylinder, connections for sliding said carriage and sheet axially of the cylinder during a scanning operation, a device for operating said sheet holding means to release a scanned sheet from the cylinder, and means for automatically removing a released sheet from the carriage.

28. A facsimile telegraph machine having a scanning mechanism, a device for feeding sheets to said mechanism for successive scanning, a stamp associated with said mechanism for impressing certain indicia on each sheet, and connections automatically controlled by said sheets for successively operating said stamp in timed

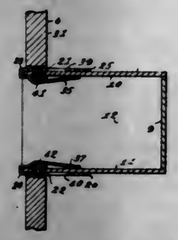
relation to said scanning mechanism, said connections including a detecting element responsive to the presence of a sheet for causing the operation of said stamp.

2,567,308
PRINTING MEANS FOR SELECTIVE PRINTING WIRES
William Wockenfuss, Union, N. J., assignor to Control Instrument Company, Inc., New York, N. Y., a corporation of New York
Application January 18, 1949, Serial No. 71,534
2 Claims. (Cl. 101—103)



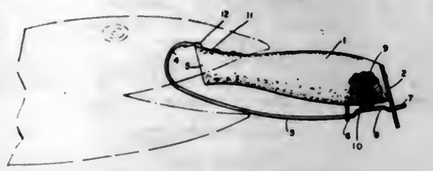
1. A printing device comprising a casing including a wall and an open end opposed thereto and adapted to receive a printing fluid, a guide member mounted in the open end of said casing, and a plurality of printing members extending completely through and movably supported in said guide member, each printing element including a section formed of absorbent material and having its outer end extending beyond said guide member to provide an impression-forming surface and its inner end immersed in said fluid, said printing member further including a rod having its inner end extending through said wall and into the immersed end of the first named section.

2,567,309
ELECTRIC SWITCH BOX SUPPORT
Roy E. Adair and James C. Baze, Ada, Okla.
Application February 18, 1949, Serial No. 77,142
3 Claims. (Cl. 248—27)



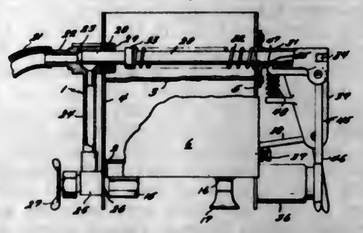
3. The combination with a box including a pair of spaced sides and each having one end free, of a means for supporting said box in an opening in a wall comprising a plate member including a pair of spaced legs receiving and embracing therebetween the free end of each of said sides, a pin extending through and mounted in each of said sides adjacent the free end thereof and in one of the spaced legs of each of said plate members for sliding movement to adjustably connect said side and leg together, and opposed anchoring lugs projecting from said one of the spaced legs of each of said plate members and bearing against the adjacent portions of the bounding wall of said wall opening for retaining the box in position in the wall opening.

2,567,310
ARTIFICIAL BAIT
Carl R. Anderson, Chicago, Ill.
Application October 19, 1946, Serial No. 704,436
2 Claims. (Cl. 43—35)



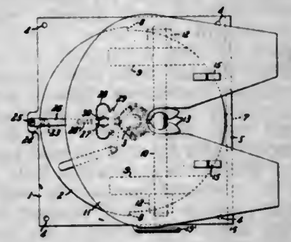
1. An artificial bait construction comprising a body having a fish-like tail portion, an inclined wobble plate mounted rigidly across the front end of the body and projecting downwardly beyond the same, a hook having a curved shank bowed outwardly relative to said body and extending along the bottom of said body with its barbed end curved around the tail of said body and engaged on the opposite side thereof, the shank of said hook extending forwardly through the projecting portion of said wobble plate and terminating in an eye on the front side of the same, said plate having an aperture to receive said shank and said eye being larger than said aperture, a crank formed in said shank immediately behind said plate said crank being offset angularly relative to the plane of said hook, said body having a recess formed therein which opens toward said crank, a helical compression spring having one end seated in said recess and bearing directly upon said crank to normally urge said crank rotatively away from said body, and a bearing means fastened to said body behind said crank and looped over said shank, said bearing means being formed to loosely support said shank and retain said crank substantially parallel with said body, and said hook shank being continuously curved from said bearing means to its barbed end whereby the barbed end will be forcibly driven in an outwardly increasing arc upon being disengaged from said tail.

2,567,311
AUTOMATIC CIGARETTE LIGHTER
Legaré Ansel, Walhalla, S. C.
Application April 1, 1949, Serial No. 84,957
12 Claims. (Cl. 312—86)



1. A cigarette dispenser and lighter comprising a hopper for the storage of cigarettes, a sliding bottom panel of the hopper, a back panel of the hopper sloping downwardly towards the front of the hopper and terminating adjacent the bottom panel, the lower edge of the back panel being spaced from the front of the hopper a distance of substantially twice the diameter of cigarettes, a tray on the forward edge of the bottom panel adapted to receive a cigarette from the hopper as the bottom panel slides to the rear and carry the cigarette forward as the panel slides forward, a vacuum line opening at one end of the tray in the forward position, a valve in the vacuum line, a thermostatic lighter at the end of the tray opposite the opening in the vacuum line, said lighter including a heater element, a contact element moved against spring action to energize the heater element and thermostatic latching means to hold the two elements in engagement during the igniting of the cigarette, a lever arranged to engage the lighter and move it into the energized position and to open the valve as the bottom panel is moved towards the rear and a catch holding the valve open released by outward movement of the thermostatic lighter against the catch to close the valve after the igniting of the cigarette.

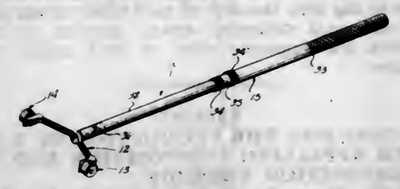
2,567,312
TURNTABLE FOR FIFTH WHEEL TRAILER COUPLINGS
John N. Apgar, Bound Brook, N. J.
Application June 7, 1948, Serial No. 31,453
13 Claims. (Cl. 280—33.05)



1. In a tractor-trailer coupling, a pair of superposed and pivotally connected turntable plates for mounting on a tractor, a forked fifth wheel plate and means carried by the upper turntable plate to support said fifth wheel plate for rocking movement on said turntable, and means for impositively latching said turntable plates to yieldingly oppose turning of the upper turntable plate in either direction from a center position at which the rocking axis of the fifth wheel plate is transverse to the longitudinal axis of the tractor, said latching means releasing automatically upon a predetermined angular movement of said upper turntable plate in either direction from said central position.

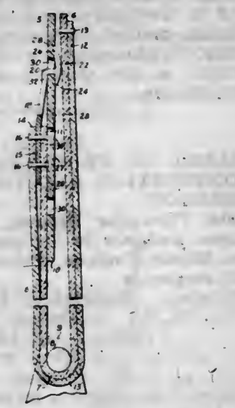
2,567,313
MOBILE DISK PROJECTOR FOR SHUFFLEBOARDS
Willard A. Bailey, Plano, Ill.
Application March 31, 1950, Serial No. 153,122
1 Claim. (Cl. 273—129)

A shuffleboard cue head comprising a pair of rigidly connected diverging arms; lugs integral at one end with and extended forwardly from the divergent ends of the respective arms, the inner walls of the lugs being cut away arcuately at the free ends of the lugs to provide surfaces proportioned to engage a circular game piece at locations spaced circumferentially thereof, said surfaces extending through substantially the full width of the lugs, the outer walls of the lugs being straight and parallel fully from end to end of the lugs; stub shafts secured to the lugs immediately rearward of said surfaces and extended outwardly from the outer walls of the lugs; and rollers substantially equal in diameter



to the length of the lugs and rotatably mounted on the stub shafts in close proximity to said outer walls of the lugs, whereby to provide contact points spaced closely from said arcuate surfaces between said rollers and a game court on which said game piece is supported.

2,567,314
STIRRUP BUCKLE AND STRAP
John H. Baker, Salida, Colo.
Application May 6, 1949, Serial No. 91,830
2 Claims. (Cl. 24—176)



1. In combination, a pair of coextensive and overlapping strap members, one of said strap members having a free end and the other being formed with a plurality of longitudinally spaced openings, said openings being longitudinally elongated, a plate secured to said one strap member near its free end, a longitudinally extending shank projecting from said plate and reaching beyond the free end of said one strap member, said shank being relatively long and being angularly deflected out of the plane of said plate and toward the adjacent side of said other strap member, a relatively short neck on the outer end of said shank extending toward said other strap member at right angles to said plate, said neck projecting removably through a selected one of the openings in said other strap member, and an anchoring element on the inner end of said neck, said anchoring element being longitudinally elongated with respect to the length of said other strap member and being substantially greater in length than the opening, said anchoring element being secured at a point intermediate its ends to the inner end of the neck so as to define end portions of substantial length engaging the side of said other strap member beyond opposite ends of the opening, the portion of said shank adjacent the outer end of said neck being deflected toward the plane of said

plate and engaging the opposite side of said other strap member, whereby a pull on said one strap member in one direction produces tilting of said anchoring element toward the side of said other strap member causing one of said end portions to dig into the side of said other strap member and said deflected shank portion to press against the opposite side of said other strap member.

2,567,315

PROCESS FOR THE PRODUCTION OF A WATER REPELLING COMPOSITION AND THE COMPOSITION THEREOF

Auguste Florentin Bidaud, Serezin-du-Rhone, and Pierre Pascal Peyrot, Feyzin, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a corporation of France

No Drawing. Application April 7, 1947, Serial No. 739,956. In France November 30, 1946

2 Claims. (Cl. 260—37)

1. A process for the production of improved water-repelling compositions in the form of greases and pastes which comprises waterproofing powdered silicon dioxide, prepared by the combustion of a silicon compound, by impregnating the particles of the silicon dioxide with a resinified methylchlorosilane, and thereafter admixing in the cold a water-insoluble, non-volatile liquid methyl polysiloxane derived from a dimethyl dichlorosilane with from 10% to 66% by weight of the mixture of the waterproofed silicon dioxide.

2,567,316

PROCESS OF PRODUCING A SILICEOUS COMPOSITION AND THE COMPOSITION THEREOF

Auguste Florentin Bidaud, Serezin-du-Rhone, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate

No Drawing. Application July 16, 1947, Serial No. 761,433. In France March 10, 1947

4 Claims. (Cl. 106—287)

1. A process for the production of novel siliceous products of pasty consistency which comprises hydrolysing a mixture of methyl substituted halogeno silane such that on the average the molecule contains from 1.7 to 2.3 organic substituted groups per atom of silicon, in the presence of an aerosol of finely divided anhydrous silicon oxide produced by the combustion of a silicon compound, and separating the hydrolysis products, containing the silicon oxide, from the reaction mixture, the proportion of silicon oxide employed constituting 15 to 25% by weight of the hydrolysis products.

3. A waterproof siliceous product consisting of finely divided silicon oxide intimately associated with the hydrolysis products of a methyl-substituted chlorosilane containing 1.7 to 2.3 methyl groups per silicon atom, the said silicon oxide constituting more than 15% but less than 25% by weight of the product, when made by the process of claim 1.

2,567,317

METHOD OF MANUFACTURING LATEX ARTICLES

Jean Bonniel, La Garde, France

No Drawing. Application July 30, 1948, Serial No. 41,732. In France September 26, 1947

7 Claims. (Cl. 260—723)

1. A method for transforming ammoniated latex of any concentration into a moldable material by using a zinc compound selected from the group consisting of zinc oxide, zinc chloride and zinc sulfate, comprising adding to said latex an amount of about 3 to about 10% of an alcoholic rosin solution containing about 10 to about 20% rosin.

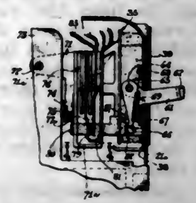
2,567,318

PHONOGRAPH ON-OFF CONTROL

Gustav F. Braun, Elizabeth, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 8, 1947, Serial No. 778,537

1 Claim. (Cl. 274—1)



In a phonographic machine comprising a frame, a cabinet enclosing said frame and having a removable section and a handpiece for said machine: the combination of an on-off control for said machine mounted on said frame, said control being biased into "on" position, a horizontally-movable plunger for operating said control to "off" position, said plunger being carried with said control and being urged outwardly with respect thereto, a support for said handpiece pivoted to said removable cabinet section and projecting therefrom, means biasing said support upwardly into a raised position but with a force less than the weight of said handpiece on the support, and an arm on said support having means thereon which when said removable section is in mounted position is held normally free of said plunger by said biasing means in a position for abutment against the end of said plunger, to move the plunger inwardly and cause said control to be moved to "off" position, as said handpiece is placed on said support.

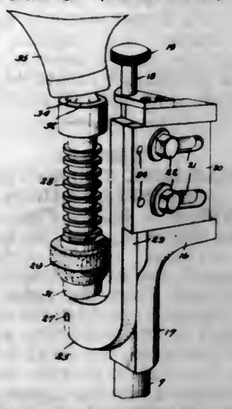
2,567,319

VALVE SEAT GRINDER AND REFACING TOOL

Niel Christensen, Shreveport, La.

Application February 23, 1950, Serial No. 145,766

3 Claims. (Cl. 51—241)



1. A portable engine valve seat grinding device, comprising a supporting rod, means for securing said supporting rod in an engine valve guide, a body portion having a hollow extension fitted over the upper end of said rod, means for adjusting the body portion vertically with respect to the supporting rod, said body portion having a recess disposed transversely in one side thereof, a block movable within the recess, said block having openings elongated longitudinally of the block, bolts threaded in the body portion disposed in said elongated openings, whereby said block is adjustable transversely of the body portion, and a rotatable grinding stone mounted on said block adjustable with the block, and said stone being movable against a valve seat grinding said valve seat.

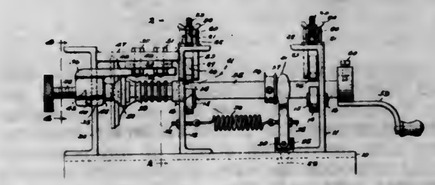
2,567,320

INDUSTRIAL PORTABLE VALVE FACER

Niel Christensen, Shreveport, La.

Application June 26, 1950, Serial No. 170,321

3 Claims. (Cl. 51—103)



1. A portable valve facer comprising a base, spaced upright plates on said base having a slot downwardly extending therein, roller bearing means on each said plate spaced on either side of said slots, an arm pivotally mounted on each said plate and adapted for bridging the slots therein, a roller bearing suspended from each of said arms for coaction with said bearings on said plates and forming valve stem supporting means, a third upright plate spaced from the other of said plates, a valve feed screw adjustably mounted in said third plate, a bracket in said third plate, a grinding stone rotatably supported by said bracket, means for adjusting the distance of said stone from a valve to be faced, connection means to a source of power for actuation of said stone, and a support plate having elongated openings therethrough secured to said third plate, said screw extending therethrough, said support plate being adjustable on said third plate for varying the position of said screw for proper centering with a valve head to be faced.

2,567,321

DRILL STEM TESTER

Leo Courter, Oklahoma City, Okla.

Application September 26, 1946, Serial No. 699,489

26 Claims. (Cl. 166—1)

1. An attachment for testing the productive capacity of deep wells including an axial tubular member engageable with a tubular drilling stem, a concentric member supported by and slidable longitudinally of said axial member, an outer sealing member slidably supported upon said concentric member, means establishing open communication between the interior and exterior of the sealing member, and a valved passage in said axial member establishing communication between the exterior of said concentric member and the interior of said axial member, and actuating means controlling said valved passage, said actuating means including a hydraulic chamber interposed between said axial member and said concentric member for transmitting thrust therebetween, said hydraulic chamber consisting of a piston carried by said axial member and a cylinder carried by said concentric member, a floating packing slidable in said cylinder and



upon said axial member and means establishing open communication between the outer side of said packing and the exterior of said cylinder.

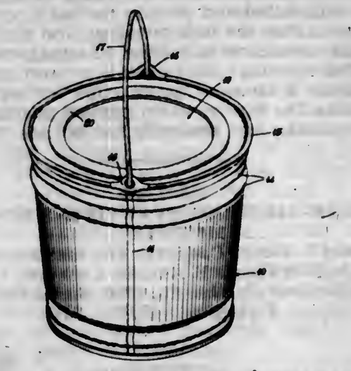
2,567,322

COVER FOR PAILS

Rowland G. Curtis, Dover, Ohio, assignor to The Reeves Steel and Manufacturing Company, Dover, Ohio, a corporation of Ohio

Application August 6, 1949, Serial No. 109,019

5 Claims. (Cl. 220—60)



5. In combination with a pail comprising upwardly flared side walls having an internal annular groove therein spaced below the open upper end of the pail, and having a chime at the lower end of the pail, a flat sheet metal cover for the pail having an outwardly disposed corrugated annular rib at its periphery and terminating in a depending annular flange of less diameter than said rib, and an outwardly and upwardly rolled peripheral bead at the lower end of said flange, said bead being of the same diameter as said groove and adapted to frictionally fit within said groove, and an annular rib upon the top of the cover adapted to fit within the chime of a similar pail.

2,567,323

HEATED SEAT FOR SPORTSMEN

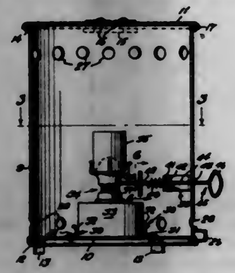
Allan S. Cyphert, Saltsburg, Pa.

Application April 29, 1949, Serial No. 90,498

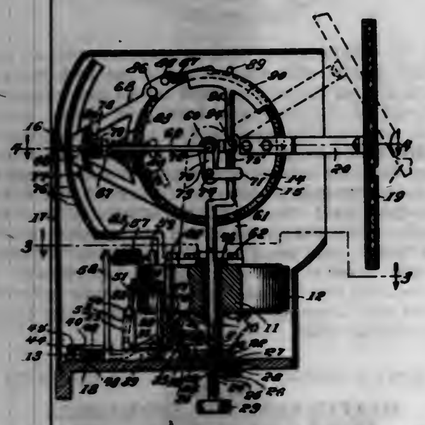
2 Claims. (Cl. 126—96)

1. A heated seat for sportsmen comprising a heater casing adapted to rest on a supporting

surface and having a top forming a seat which is hingedly mounted for swinging movement to an open position to expose the interior of the casing, said casing having a side wall provided with inlet and outlet openings, a wick-type liquid fuel burner of a cross sectional size substantially less than that of the casing demountably disposed within said casing and supported on the casing bottom, a plurality of spring clips secured to the upper, inner side of the casing bottom and yieldably engaging a part of the fuel burner for detachably retaining the burner in an upright position centrally within the casing and in engagement with the casing bottom, and a manually actuated wick adjusting means operable from a position externally of the casing for raising and lowering the burner wick, said burner having a wick actuating stem, a disk fixed to the stem and provided with diametrically spaced openings, said manually actuated wick adjusting means including a bifurcated end portion having tines detachably engaging the disk openings and a spring releasably retaining said tines in engagement with the disk openings, said disk, tines and spring cooperating with said spring clips for detachably retaining the burner in an applied position within the casing and centrally thereof.

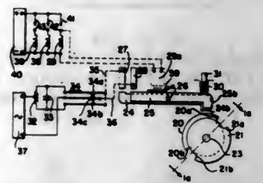


2,567,324
SELF-ALIGNING REARVIEW MIRROR MOUNTING
Chester L. Davis, Coeburn, Va., assignor of one-half to Cassie E. Adkins, Coeburn, Va.
Application October 19, 1950, Serial No. 190,918
5 Claims. (Cl. 88—98)



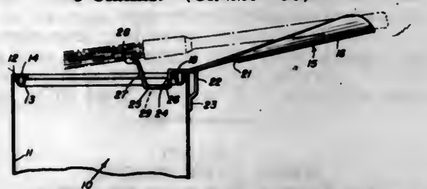
1. A mirror mounting comprising a horizontally disposed drum, a vertically disposed drum, a bracket mounting the vertically disposed drum above and on the said horizontally disposed drum, a mirror mounting bracket carried by the vertically disposed drum, latch pins for retaining the said drums in adjusted positions, brake bands on said drums for frictionally holding the drums, means withdrawing the latch pins for releasing the drums, and means actuating the said brake bands also for releasing the drums.

2,567,325
APPARATUS FOR POSITIONING A ROTARY CONTROLLED ELEMENT
Harold F. Elliott, Palo Alto, Calif.
Application March 30, 1949, Serial No. 84,302
35 Claims. (Cl. 192—142)



1. Apparatus for positioning a rotary controlled element in a predetermined angular position comprising: at least one pair of substantially complementary rotatable sector members having stop provisions; a pair of independently movable stop devices, each disposed individually to register with said stop provisions of one of said sector members only when said controlled element is in a predetermined angular position; a reversible driving system for concurrently driving said sector members and said controlled element; and sensing means responsive to relative movement between said stop devices for controlling the direction of operation of said reversible driving system in accordance with the sense of relative displacement of said stop devices.

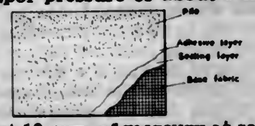
2,567,326
COMBINATION CAN HANDLE, BRUSH SCRAPER, AND BRUSH REST
Dallas E. Entsminger, Hilton Village, Va.
Application October 15, 1947, Serial No. 780,044
5 Claims. (Cl. 220—90)



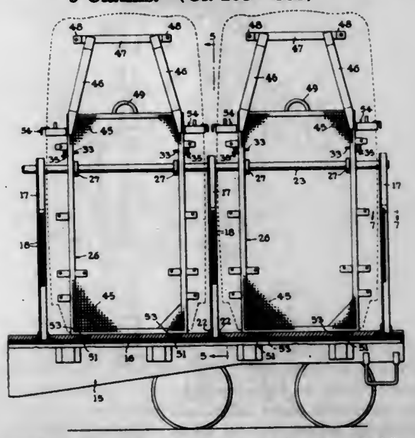
1. A brush holder comprising brush handle rest, a downwardly extending arm secured to one end of the handle rest, a head extending outwardly from the end of the arm remote from the handle rest, a can flange engaging ear at each end of the head and a brush bristle supporting blade extending upwardly from the edge of the head remote from the arm.

2,567,327
PROCESS OF MAKING PILE FABRIC
Henry Ewing, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application February 11, 1948, Serial No. 7,652
In Great Britain February 21, 1947
10 Claims. (Cl. 117—29)

8. Process for the production of a pile fabric by bonding textile staple fibres to a base fabric, which comprises first applying on said base fabric a layer of plasticized polyvinyl chloride, then superimposing on said layer a sticky coating substantially free from volatile solvent and comprising a water-insoluble thermoplastic polyvinyl resinous material and two plasticizers for said polyvinyl resinous material, one plasticizer having a vapor pressure not greater than 0.1 mm. of mercury at 150° C., and the second plasticizer having a vapor pressure of about 5 mm. of mercury to about 10 mm. of mercury at said temperature, the weight ratio of the second plasticizer to the first plasticizer being at least 3:1, feeding the staple fibre onto said sticky coating, and converting said coating into a non-sticky flexible coating by heating the coated fabric to a temperature between 100 and 150° C. for a period of time sufficient to drive off at least 60% of the second plasticizer without substantially reducing the quantity of the first plasticizer.



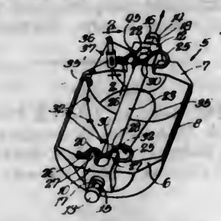
2,567,328
LOAD-CARRYING STRUCTURE FOR VEHICLES
Frank Fahland, Omaha, Nebr.
Application May 4, 1950, Serial No. 160,047
9 Claims. (Cl. 105—368)



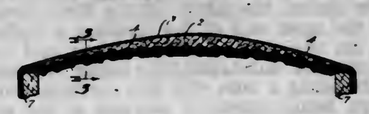
1. The combination of a vehicle platform; means affording a horizontal-axis bearing spaced above said platform; at least one rack journaled on said bearing and having on opposite faces of the rack seats for articles to be transported; means for releasably attaching said articles to said seats; means for fixedly positioning said rack on said bearing in either of two horizontal positions in which respectively opposite faces are presented upward; and means for fixing said rack in a substantially vertical position; the rack being capable, when loaded with said articles, of turning on said bearing to any of said positions.

2,567,329
STRANDING MACHINE SPOOL CRADLE
Larry C. Frazier, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application November 10, 1949, Serial No. 126,648
6 Claims. (Cl. 57—1)

1. A spool cradle for a stranding machine having a substantially semicylindrical hollow body portion and end walls, and shaft means for journalling said cradle substantially coaxially of the axis of said body portion, means carried by said end walls for journalling a spool adapted to have a coil of wire thereon in said body portion substantially coaxially thereof, and wire guide means mounted on the inner periphery of said body portion and lying in a substantially helical path for guiding wire withdrawn from said spool along said path.

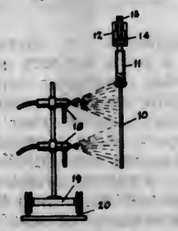


2,567,330
SPRING CONSTRUCTION
George E. Gagnier, Detroit, Mich.
Application October 17, 1945, Serial No. 622,720
2 Claims. (Cl. 5—351)



1. A spring seat cushion comprising a load engaging upholstery layer, a load supporting unit having a pair of spaced frame members and having sinuous spring elements extending from one frame member to the other in spaced parallel relationship with the leg portions of the loops extending in the general direction of length of the frame members, said spring elements being directly connected to the frame members and providing a resilient support for the load to which the upholstery layer is subjected, and upper and lower fabric sheets enclosing the spring elements and having adjacent faces adhesively secured together throughout their surface area between adjacent spring elements and between adjacent loops of the spring elements to maintain said spaced relationship of the spring elements and to distribute the load over the loops.

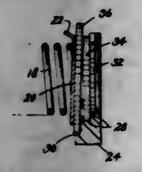
2,567,331
METHOD OF APPLYING ELECTRICALLY CONDUCTING COATINGS TO VITREOUS BASES
Romey A. Gaiser, Toledo, and James W. McAuley, Perrysburg, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 21, 1949, Serial No. 106,050
14 Claims. (Cl. 117—54)



1. The method of producing a transparent electrically conducting film on a vitreous surface

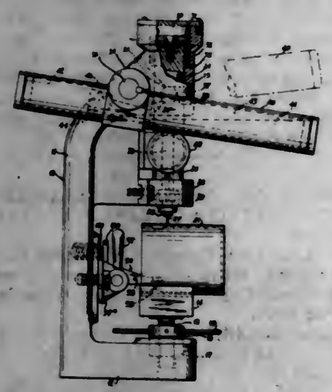
which comprises heating said surface to approximately its point of softening and exposing the heated surface to the action of an organic tin compound in fluid form which will form an electro-conductive tin oxide coating when such compound is brought into contact with a heated vitreous base without the formation of HCl vapors.

2,567,332
DISPENSING RECEPTACLE FOR COINS
Joseph A. Goodhue, Worcester, Mass.
Application February 5, 1948, Serial No. 6,431
6 Claims. (Cl. 133—6)



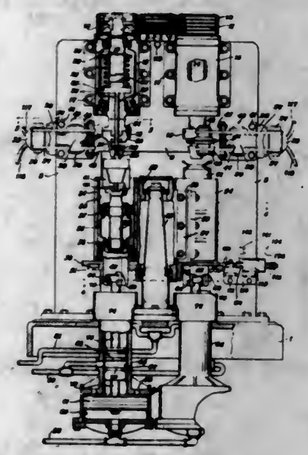
1. In a device of the class described, a housing having a hollow portion therein open at one end thereof, a spring in the housing, a coin follower on the spring, the latter urging the follower toward the open end of the housing, a hollow element on the housing at the open end thereof, said element substantially closing the opening, but providing a coin exit and entrance slot, said element being interiorly stepped at the slot exteriorly of the housing, the coin follower being spring pressed toward the steps, said element being U-shaped and the steps being shaped in conformance to the U-shape thereof.

2,567,333
THICKNESS TESTING MACHINE
Joseph Gegan, Lakewood, Ohio
Application January 29, 1945, Serial No. 575,018
18 Claims. (Cl. 33—169)



18. In a machine of the character described, a frame having a work support adapted to receive thereon a metal specimen having a dielectric surface, a spindle movable relative to said work support, a penetrator carried by said spindle, said work support being movable on said frame for initially engaging said dielectric surface with said penetrator, a pair of switch contacts adapted to be closed substantially upon the occurrence of such initial engagement of said dielectric surface and penetrator, a hollow actuating member pivoted on said frame and having operative connection with said spindle for applying a load thereto, said hollow member having a body of liquid therein which is shiftable in response to swinging of said member in a direction to apply said load, a gauge having a movable indicator, means including an electromagnet for operatively connecting said gauge with said spindle so as to be responsive to movement of said penetrator into said dielectric surface, an energizing circuit for said electromagnet having said switch contacts therein, means for retarding the shifting of said liquid in said member for causing a gradual application of said load, a second electromagnet for stopping the actuation of said gauge, and energizing means for the second electromagnet including a circuit adapted to be completed through said penetrator and specimen.

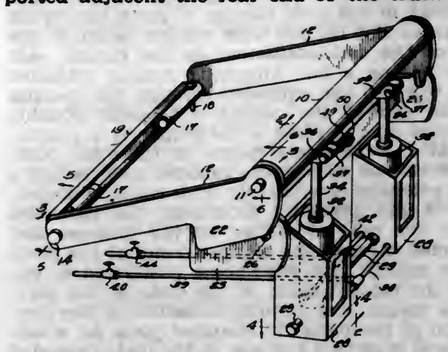
2,567,334
METAL SPINNING APPARATUS
William R. Harrison, Hartville, and Wilford G. Kilpatrick, Hans J. Zimmermann, Nolte V. Sproul, and Louis C. Galleher, Canton, Ohio, assignors, by mesne assignments, to Automatic Steel Products, Inc., Wilmington, Del., a corporation of Delaware
Application June 21, 1946, Serial No. 678,296
9 Claims. (Cl. 113—52)



3. In metal spinning apparatus including a rotatable indexing turret movable to selected indexed positions, a plurality of tailstock members mounted on the turret for movement circumferentially about the turret axis, said tailstock members each being rotatable about its own axis and being movable longitudinally of its axis, and separate means rotationally stationary with respect to the turret and connected with at least one of said tailstock members only when the turret is in an indexed position for moving such tailstock longitudinally of its axis.

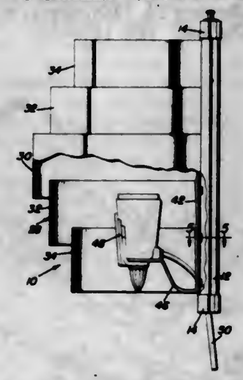
2,567,335
LOAD HANDLING ROLLER-JACK FOR TRUCKS
Loree W. Hebert, Sulphur, La.
Application July 14, 1948, Serial No. 38,594
12 Claims. (Cl. 214—84)

1. For facilitating the handling of truck loadings, in combination, a truck bed, a roller supported adjacent the rear end of the truck bed,



and hydraulically operated means for elevating said roller to lift a load resting thereon.

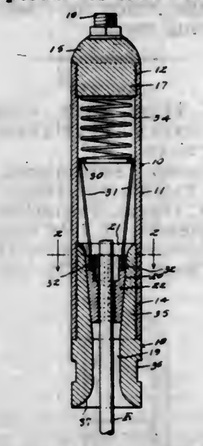
2,567,336
LAMP STRUCTURE WITH SHADE AND BASE INTERLOCKING MEMBER
Frank R. Hendricks, Puyallup, Wash., assignor to Raymond Parker, Tacoma, Wash.
Application July 17, 1950, Serial No. 174,330
3 Claims. (Cl. 240—73)



1. In a lamp structure, the combination of an elongated base member provided with a longitudinally extending row of apertures, a set of bands extending transversely of said base member and constituting a shade, said bands being provided with openings in register with the respective apertures, and a strap disposed in said shade and extending longitudinally of said base member, said strap having a plurality of keeper tongues struck out therefrom, said tongues extending through the respective registering openings and apertures and having angulated free end portions whereby to secure said bands and said strap to said base member.

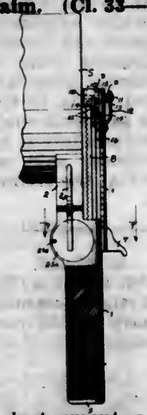
2,567,337
SUCKER ROD FISHING TOOL
Theodore M. Hunt, Tulsa, Okla.
Original application May 24, 1948, Serial No. 28,865. Divided and this application June 3, 1949, Serial No. 96,981
1 Claim. (Cl. 294—102)

An improved sucker rod fishing tool comprising a tubular sleeve of uniform internal and external diameter open at each end and having internal threads adjacent each end, a solid hemispherical cap member closing the upper end of said sleeve, a socket member having an externally threaded reduced diameter upper end engaging within the lower end of said sleeve, the lower end of said socket member being of the same external diameter of said sleeve, a bore extending through said socket member, said bore having an outwardly flared lower portion and an upwardly divergent upper portion, a pair of segmental frustro conical rod gripping members slidable in said upper portion of said bore, rod gripping



teeth formed on the inner surface of said gripping members, an annular ring freely slidable in said body above said socket member and slidably engaging the side walls of said body, depending inwardly converging resilient arms integrally formed with said ring and engaging said gripping members for forcing the latter apart, and coiled spring means positioned between said cap and said ring and bearing directly against said ring for urging said ring and, hence, said gripping members downwardly in said sleeve.

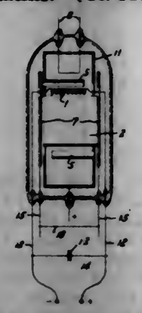
2,567,338
CENTERING TOOL
Wadsworth S. Jock, Newald, Wis.
Application October 16, 1946, Serial No. 703,648
1 Claim. (Cl. 33—191)



In a centering instrument, a housing, a manually reciprocable blade slidable in said housing, a head on said blade, a punch movably mounted transversely in the head, spring means mounted on the blade and attached to the punch for projecting same from the head, a spring actuated

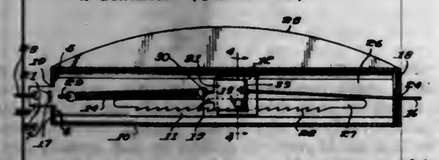
detent on said blade and locking the punch against movement by the spring means, a pull wire having one end connected to the detent and its other end anchored on the blade, a carrier, a gauge pin slidably mounted in said carrier, rack and gear means slidable in the housing and operative under movement of the blade in one direction to pull the wire to actuate the detent to release the punch for movement by the spring means, a means on the housing operative under movement of the blade in the opposite direction to coact with the punch for resetting the same against the spring means.

2,567,339
ELECTRON TUBE FOR GENERATING ULTRA-SHORT ELECTROMAGNETIC OSCILLATIONS
Fritz Lüdi, Zurich, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application September 11, 1946, Serial No. 696,116
In Switzerland September 12, 1945
7 Claims. (Cl. 315—40)



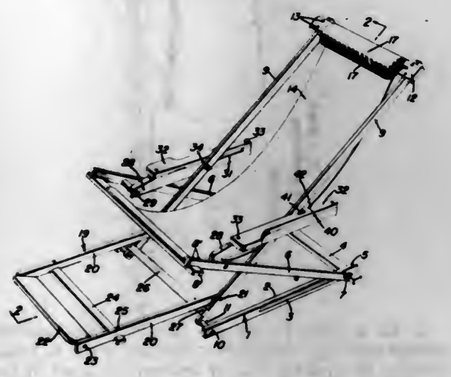
1. An electron tube for generating ultra short electromagnetic oscillations comprising an evacuated envelope, a cathode and an anode within said evacuated envelope, said anode consisting of segments adapted to be biased positively with respect to said cathode and arranged in a cylindrical array defining a cylindrical space within which said cathode is located, means for establishing a magnetic field within said cylindrical space and parallel to the axis thereof, a guide electrode of generally cylindrical form within said cylindrical space and located at a substantially uniform distance from said anode segments, whereby electrons emitted by said cathode follow cycloidal paths in the annular space between the anode segments and said guide electrode, and a tuned oscillation system connected to said guide electrode; said oscillation system being non-resonant at the frequency of the generated oscillations.

2,567,340
FISHING LINE JERK ATTACHMENT
George A. Lytle, Sacramento, Calif.
Application January 6, 1950, Serial No. 137,120
2 Claims. (Cl. 43—15)



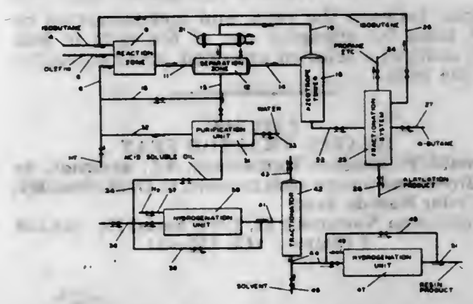
2. In a fishing line snap actuator, the combination which comprises an elongated tubular casing having a fin extended from one side and openings in the ends thereof, a plate having an elongated slot therein with ratchet teeth in one side of the slot positioned in the casing, said plate having a line attaching tongue extended from one end and extended through the opening in one end of the casing, a follower slidably mounted on the plate, a plate having a projection at one end and a flange on the other positioned on one side of the follower and having a pawl extended downwardly from the said projection, a pin pivotally mounting the plate on which the pawl is carried on the follower and extended through the elongated slot of the plate in the casing, said pawl being positioned to engage the ratchet teeth in the slots of the plate in the casing, and a spring attached to the projection of the pivotally mounted plate on which the pawl is carried and also to the plate extended through the casing, the flange of the said plate pivotally mounted on the follower having an opening therein providing means for attaching the leader of a fish hook thereto and said opening positioned above the center of the pivotal mounting of the plate on which the pawl is carried.

2,567,341
FOLDING DECK CHAIR
Walter C. Martin, Hinsdale, Ill.
Application February 24, 1950, Serial No. 146,118
6 Claims. (Cl. 155—56)



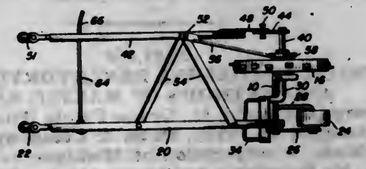
1. In a deck chair, a base frame including a pair of horizontal side frame bars, rigidly connected, a first pair of side leg bars at opposite sides of said frame inclining upwardly and forwardly therefrom, a second pair of relatively longer side leg bars at opposite sides of said frame inclining upwardly and rearwardly therefrom across said first pair of side leg bars, a pair of arm bars extending across the side leg bars at opposite sides of the frame, a flexible seat and back forming sheet suspended from said pairs of side leg bars, said side leg bars being pivotally connected to said side frame bars and to said arm bars for rocking movement of said side leg bars and arm bars relatively to form a rocking chair, and a leg supporting frame extending forwardly from said second pair of side leg bars for vertical rocking adjustment by rocking movement of said second pair of side leg bars, the pivotal connections between said second pair of side leg bars and arm bars being slidable rearwardly along said arm bars for swinging of said second pair of leg forming bars rearwardly to adjust the chair into different reclining positions, and spring means in said arm bars for opposing rearward sliding of said slidable connections and resiliently suspending an occupant of said seat.

2,567,342
RESINOUS PRODUCTS FROM HF ACID-SOLUBLE OILS
Lloyd Clayton Morris, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 23, 1946, Serial No. 698,638
8 Claims. (Cl. 260—96)



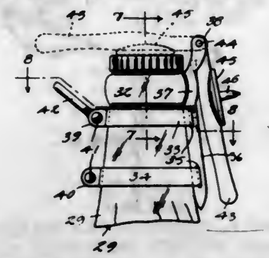
1. A process for producing a solid hydrocarbon resin which comprises passing an acid-soluble oil fraction obtained from the catalyst phase of a process for the alkylation of an alkylatable hydrocarbon in the presence of a catalyst comprising hydrofluoric acid to a hydrogenation zone, hydrogenating the acid-soluble oil fraction in the presence of a hydrogenation catalyst under hydrogenation conditions of temperature and pressure of about 200 to about 750° F. and about 1,000 to about 2,500 pounds per square inch gage, distilling the effluent of said hydrogenation under conditions of temperature and pressure such that at least 55 per cent of the effluent is distilled overhead, and recovering a normally solid hydrocarbon resin as a bottom product of said distillation.

2,567,343
ROW CULTIVATOR
Ira Myer, Ephrata, Pa.
Application November 4, 1949, Serial No. 125,408
2 Claims. (Cl. 97—59)



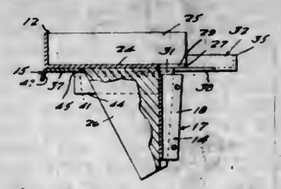
1. A row crop cultivator comprising a transverse frame member, a guide wheel freely rotatively mounted on said frame member, a fixed handle rigidly secured to one end of said frame member and extending upwardly and rearwardly of the cultivator, a stabilizing wheel adjustably secured to said one end of the frame member, a bar transversely slidably mounted in said frame member, a ground tool mounted on said bar adjacent to said stabilizing wheel, said frame and fixed handle having brace structure mounted thereon, a handle pivotally mounted on the brace structure and pivotally connected to said slidably mounted bar, said bar having a portion extending through the axle portion of said guide wheel for said pivotal connection with the pivoted handle.

2,567,344
FIRE EXTINGUISHER AND PERFORATING DEVICE
Lynn L. Nealley, Santa Rosa, Fla.
Application June 7, 1950, Serial No. 166,646
5 Claims. (Cl. 169—31)



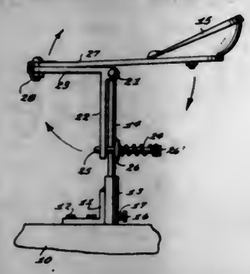
1. A fire extinguisher and fire extinguisher opener comprising a container containing a carbonated liquid and having an open end, a crown type metal cap sealing said open end, a cap perforating unit including a pointed spike, a spike supporting member from which the spike projects, and guide means connected to the spike supporting member and centering the spike relatively to the cap whereby the spike will form a discharge opening in said cap and substantially centrally thereof when the spike is forcibly projected through the cap, a harness unit detachably fastened to and mounted on a portion of the container, a lever swingably connected to a part of said harness unit and combining therewith to form said guide means, and a disk fixed to said lever from which said spike projects, said disk constituting the spike supporting member and being disposed so that the spike will penetrate the central portion of the cap when the lever is swung in one direction and will be disposed with the spike outwardly of and to one side of the cap when the lever is swung in the opposite direction.

2,567,345
COMBINATION GLASS AND CIGARETTE HOLDER AND ASH TRAY
Nicholas Paljuk, Gloversville, N. Y.
Application April 22, 1949, Serial No. 88,956
3 Claims. (Cl. 211—86)



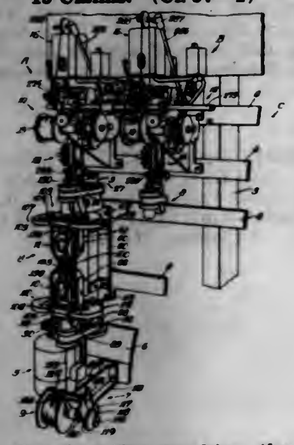
1. An article holder comprising a bracket adapted to be secured to a vertically disposed supporting surface, a brace plate positioned transversely of said bracket intermediate its side edges and having vertical flanges adapted to be secured to said bracket, a transversely disposed flat plate superimposed upon said brace plate and fixedly secured to the upper edge of said brace plate, a horizontally disposed flange projecting from each face of said brace plate adjacent to and spaced from the upper edge thereof, and a horizontally disposed article supporting member having a slot and arranged transversely of said brace plate and having its intermediate portion positioned and mounted upon said horizontal flanges for movement into and out of embracing engagement with said brace plate.

2,567,346
FLOATING VEHICLE SEAT
Edwin F. Petermeier, Melrose, Minn.
Application April 14, 1950, Serial No. 155,944
5 Claims. (Cl. 155—9)



1. Means for resiliently mounting a driver's seat on a mobile machine comprising a bracket mountable on the machine and providing a socket, a post mounted at its lower end in said socket to project upwardly from said bracket, an elongated flat spring extending across the top of said post and to opposite sides of the latter, means at the end of said spring for connecting a seat thereto, and means resiliently connecting the other end of said flat spring to said post.

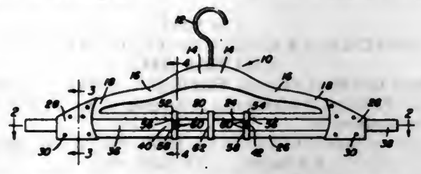
2,567,347
STRANDING MACHINE
Robert C. Pierce, Niles, Mich., assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application July 30, 1949, Serial No. 107,675
15 Claims. (Cl. 57—1)



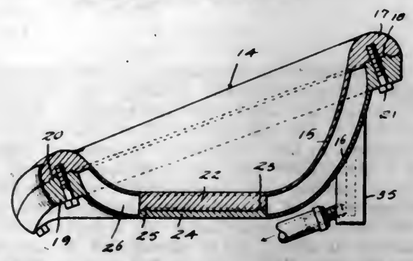
1. In a wire stranding machine, the combination of a pair of rotor members mounted in spaced apart relation for rotation about a common axis, a pair of spool cradle means one journalled at one end in each of said rotor members, drive means for said rotors for driving the same in synchronism, and means for preventing rotation of said spool cradle means with said rotor members.

2,567,348
CLOTHES HANGER
Raymond F. Price, Tucson, Ariz.
Application February 27, 1948, Serial No. 11,400
5 Claims. (Cl. 223—89)

1. A clothes hanger comprising a support engaging member including a substantially horizontally disposed rail, a further rail spaced relative to the first mentioned rail, means connecting and spacing the rails relative to each other, a pair of extendable support arms slidably positioned between the rails, and means carried by the arms for engaging one of the rails to lock the arms in a selected extended position relative to the rails.



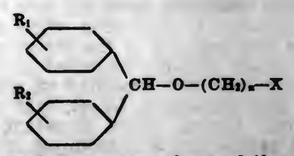
2,567,349
HEATED TRACTOR SEAT
Ronald P. Reason, Keithsburg, Ill., assignor, by direct and mesne assignments, to D. M. Smalley, Cedar Rapids, Iowa
Application November 17, 1947, Serial No. 786,359
2 Claims. (Cl. 155—1)



1. A tractor seat comprising upwardly dished spaced apart upper and lower walls, thickened marginal portions formed on each of said walls, means engaging said marginal portions for securing said upper and lower walls together, said upper and lower walls being formed with centrally disposed inwardly extending blocks having engageable grooves and ribs for positioning said upper wall relative to said lower wall, valved inlet means carried by said lower wall, and outlet means carried by said lower wall whereby the space between said upper and lower walls is adapted to contain a heating fluid.

2,567,350
OMEGA-HALOALKYL BENZHYDRYL ETHER AND METHODS OF MAKING SAME
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 5, 1946, Serial No. 688,420
10 Claims. (Cl. 260—611)

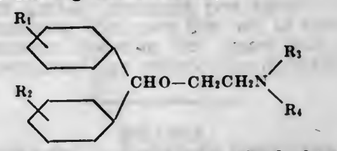
1. An ω-haloalkyl benzhydryl ether of the formula,



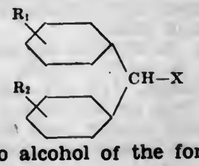
where R_1 and R_2 are members of the class consisting of hydrogen, lower alkyl and lower alkoxyl, n is one of the integers two and three and X is a member of the class consisting of chlorine and bromine.

2,567,351
PROCESS FOR THE MANUFACTURE OF BENZHYDRYL ETHERS
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 5, 1946, Serial No. 688,421
10 Claims. (Cl. 260—247.7)

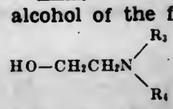
1. Process for obtaining a basically substituted benzhydryl ether compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



which consists in reacting a benzhydryl halide of the formula,



with an amino alcohol of the formula,



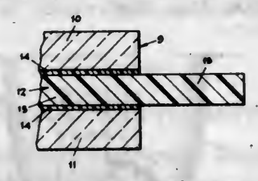
at a temperature of over 100° C., where R_1 and R_2 are members of the class consisting of hydrogen, alkyl radicals of 1 to 2 carbon atoms inclusive and alkoxy radicals of 1 to 2 carbon atoms inclusive, R_3 and R_4 are members of the class consisting of alkyl radicals of 1 to 3 carbon atoms inclusive and further members wherein R_3 and R_4 taken together with —N< form piperidine and morpholine and X is a member of the class consisting of chlorine, bromine and iodine.

2,567,352
WRENCH ATTACHING AND RETAINING CLIP
Walter J. Rozmus, Utica, N. Y.
Application March 24, 1950, Serial No. 151,607
3 Claims. (Cl. 81—125)



3. A wrench attaching and retaining clip comprising a washer having flat top and bottom surfaces and having an opening which is adapted to encircle the head of a bolt, said opening being of a diameter greater than the diameter of the usual bolt head accommodating opening in the head of a wrench with which said washer is to be associated, the outside diameter of said washer being likewise greater than the outside diameter of said wrench head, an inner peripheral edge portion of said washer being formed with a knife-like portion to gouge into said bolt head, and a resilient tang secured to the outer peripheral edge of said ring, said tang being disposed diametrically opposite to said knife-like portion, being bent inwardly from the outer peripheral edge toward the inner peripheral edge, the free end of said tang being provided with a detent which is adapted to be releasably latched on the head of said wrench.

2,567,353
LAMINATED SAFETY GLASS
Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 13, 1947, Serial No. 754,355
2 Claims. (Cl. 154—2.77)



1. A laminated unit, comprising two sheets of glass and an interposed sheet of thermoplastic material bonded thereto to provide a unitary structure, said interposed sheet comprising a .095 inch thick layer of polyvinyl butyral resin plasticized with approximately 21 parts plasticizer per 100 parts resin by weight and two facing layers of .015 inch thick polyvinyl butyral resin plasticized with 37½ parts of plasticizer per 100 parts resin by weight, said .095 inch thick layer being of sufficient area to have portions thereof extending outwardly from between the transparent panels to provide a flexible attaching flange for the unit.

2,567,354
DEVICE FOR MARKING OUT MEASUREMENTS ON MATERIAL FOR GARMENTS, ETC.
Elisabeth Schakel, Amsterdam, Netherlands
Application January 4, 1946, Serial No. 638,972
In Germany May 5, 1939
1 Claim. (Cl. 33—42)

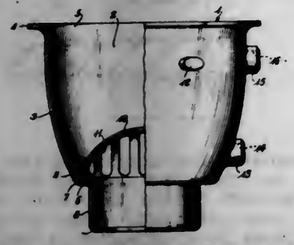


A measuring device comprising a measuring stick having at one end thereof a recess and an aperture of oblong cross-section, said section being taken parallel to the sides of the stick, said aperture extending through the measuring stick from the end of the recess to the opposite side of the stick, and an indicating member slidably mounted on said stick, in combination with a marking instrument and a holder for said instrument, said holder comprising a helical spring having one end coil parallel to the side of the measuring stick opposite to that on which the recess is located, the other end of the spring having the wire from its last coil turned back inside the spring to form a loop, said loop extending into said aperture and being adapted to extend into said recess when the spring is compressed whereby the marking instrument can be passed through said loop in said recess and held in said recess by the tension exerted through the spring and loop.

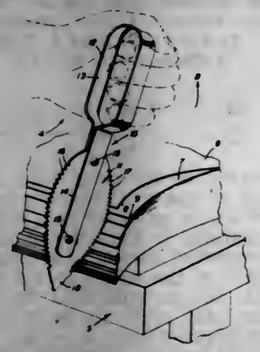
2,567,355
FLOOR DRAIN
John H. Schmid, Erie, Pa., assignor to J. A. Zurn Manufacturing Company, Erie, Pa.
Application October 4, 1949, Serial No. 119,420
1 Claim. (Cl. 182—31)

A floor drain comprising an annular wall of substantially uniform thickness having an outwardly flared flange at its upper end, said wall

extending downwardly from said flange to define a well portion, a fitting defining a passageway through said wall into said well portion adapted for connection to a conduit to admit a flushing medium to said well portion, said wall then extending inwardly and upwardly, to define a narrow annular strainer seat at the bottom of said well portion, then downwardly to define a discharge portion, the junctures between said flange, well portion, seat, and discharge portion being defined by smoothly curved continuous surfaces whereby the entire inner surface of said drain is devoid of corners, and a dome-shaped strainer having a downwardly extending annular edge portion on said strainer seat, said strainer being entirely within said well portion.



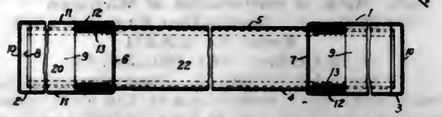
2,567,356
SHEET METAL LIFTING TOOL
Walter J. Stachura, Dearborn, Mich.
Application September 30, 1948, Serial No. 51,998
3 Claims. (Cl. 294—1)



1. A hand tool for engaging an edge of the top sheet of a stack of sheets of metal to lift and render same easy to handle comprising a relatively broad substantially ovate flat rigid blade having its curvate marginal edges serrated to provide saw-like edge engaging and lifting teeth, the outer end of said blade having a spear-shaped prying and fulcruming point, and a handle rigidly connected to said blade.

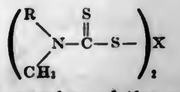
2,567,357
HOLLOW METAL DOOR CONSTRUCTION
Edward A. Turner, North Canton, Ohio, assignor to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application January 14, 1948, Serial No. 2,156
5 Claims. (Cl. 189—46)

1. In door construction and the like, laterally spaced channel frame side members having outwardly extending leg walls, rectangular plates connected at their side marginal portions to said leg walls, stile structures associated with the frame side members and having grooves receiving the leg walls and the connected marginal plate portions of the frame side members, the ends of said frame side members being cut off to form pockets within the ends of the stiles, and channel frame end members having their legs connected to the end marginal portions of said plates, said frame end members extending laterally through said pockets and connected to said stiles.



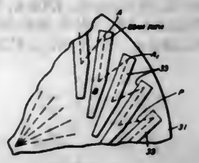
2,567,358
COCCIDIOSIS CONTROL COMPOSITION
Emanuel Waletzky, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 5, 1947, Serial No. 772,474
6 Claims. (Cl. 167—53.1)

1. A poultry feed for the control of coccidiosis comprising edible poultry food and from about 0.005 to 0.02% by weight of a compound having the formula



in which R is a member of the group consisting of methyl and ethyl radicals and X is a member of the group consisting of nickel and copper.

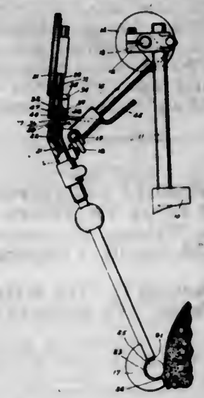
2,567,359
ELECTRON DISCHARGE APPARATUS
Alva Eugene Anderson, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 6, 1947, Serial No. 772,538
12 Claims. (Cl. 315—21)



1. Electron discharge apparatus comprising a plurality of elongated targets arranged in a circle and extending at oblique angles to respective radii of said circle, means for projecting an electron beam toward said targets, and means for sweeping said beam over said targets in succession and in the direction, at each target, of the length thereof.

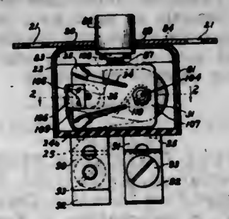
2,567,360
MEASURING DEVICE
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application September 11, 1947, Serial No. 773,388
7 Claims. (Cl. 33—172)

2. In a sizing device of the type which uses fluid under pressure to actuate electrical contacts a caliper member having a work engaging portion at the lower end thereof, a work engaging feeler slidably mounted in said caliper member, the upper end of said member being recessed to receive the stem of a dial indicator, a valve including a housing having a hollow stem portion for insertion into the recess in said caliper member, said housing also having a recess for receiving the stem of said dial indicator, spaced inlet and exhaust ports in said recess, a valve member in said valve housing for controlling the flow of fluid therethrough and having a head in said recess and a stem passing through said hollow portion into contact with said feeler member,



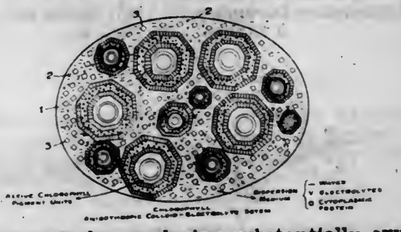
a supply of fluid under pressure connected to said valve, said fluid being operable in response to a change in flow due to a change in size of a work piece to change the pressure in said fluid supply, means for effecting axial adjustment of said indicator and said valve housing as a unit relative to said valve member and said caliper to cause a change in setting of said device, said dial indicator showing the extent of said adjustment, said adjustment serving also to reset said dial indicator so that it will read zero when a work piece is ground to the new size.

2,567,361
MANUALLY OPERABLE THERMOSTATIC SWITCH ASSEMBLY
Frank Robert Bean, Rochester, N. Y., assignor to Fasco Industries, Inc., a corporation of New York
Original application October 19, 1942, Serial No. 462,504, now Patent No. 2,520,873, dated August 29, 1950. Divided and this application November 7, 1949, Serial No. 125,990
2 Claims. (Cl. 200—113)



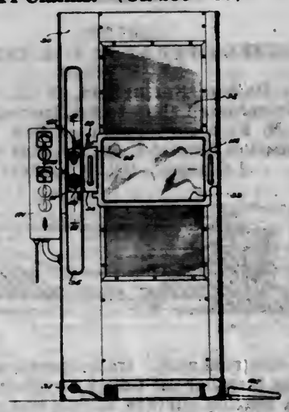
1. In a manually operable thermostatic switch assembly, the combination comprising a support, a contact mounted on said support, a bimetallic switch blade having a portion mounted upon said support, having a movable portion carrying a second contact, and normally closing said contacts when said bimetallic switch blade is below a predetermined temperature, an intermediate member normally movable to a position to separate said contacts and releasably held in an ineffective position by said switch blade when the same is below said predetermined temperature, and a manually operable member normally spaced from and independent of said intermediate member when the same is in its ineffective position, located to abut and limit the movement of said intermediate member to its position to separate said contacts, and movable to return said intermediate member to its ineffective position.

2,567,362
METHOD OF EXTRACTING PIGMENTS FROM PLANTS
Sophia S. Berkman and Boris S. Berkman, Chicago, Ill.
Application May 3, 1945, Serial No. 591,662
8 Claims. (Cl. 260—236.5)



1. A process for producing substantially oxy- and photo-stable active pigment units from raw material of plant origin which comprises (*a*) comminuting fresh raw plant material to substantially colloidal size and adding water to form a hydrosol therefrom of substantially undecomposed colloidal dispersoids containing pigment, protein and lipin, (*b*) removing some extraneous matter therefrom leaving a hydrosol containing substantially only such colloidal dispersoids, (*c*) separating said colloidal dispersoids constituting active pigment units from the dispersion medium containing remaining extraneous material, and (*d*) drying said dispersed colloids under conditions to avoid decomposition, to substantially complete dryness.

2,567,363
VERTICAL FLUOROSCOPE APPARATUS
Hanson Blatz, Rochester, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application November 22, 1947, Serial No. 787,597
14 Claims. (Cl. 250—58)



1. A vertical fluoroscopic apparatus comprising a stationary casing having a substantially

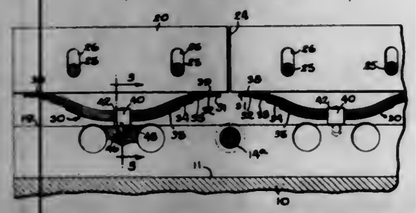
vertical front wall formed along one side thereof with a substantially vertical slot, supporting means mounted for substantially vertical movement in said casing in rear of said wall, an X-ray tube on said supporting means, an arm mounted for longitudinal sliding movement on said supporting means for longitudinal movement through said slot substantially normally to said wall, and a vertically disposed fluoroscopic screen mounted on the forward end of said arm for movement toward and from said wall in substantially parallel relation therewith.

2,567,364

CUTOFF CYLINDER SPRING CONSTRUCTION

Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois

Application December 13, 1947, Serial No. 791,586
1 Claim. (Cl. 164—66)



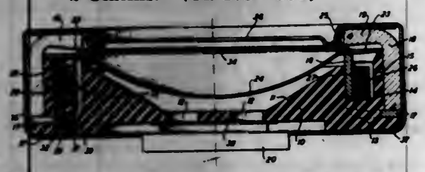
A printing press cut-off cylinder having a knife bar defining a longitudinal outwardly facing channel, a cutting blade centered in said channel, a series of cheekwoods lying in said channel on each side of said blade with means for limiting the outward movement of said cheekwoods, a bowed leaf spring arranged in said channel under each of said cheekwoods, each of said leaf springs having a plurality of laminations in rubbing contact with one another, each of said leaf springs being symmetrically arranged under the associated cheekwood and having at its ends bearing surfaces for pressing engagement with the end portions of the underside of the associated cheekwood for rubbing thereagainst when the cheekwood is depressed, and means at the center of each of said springs for maintaining the spring in a fixed position longitudinally of said channel while permitting limited rocking movement of the spring bodily in the channel in response to cocking of the cheekwood.

2,567,365

POLARIZED OPERATOR FOR TELEPHONE RECEIVERS

John F. Dalton, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 4, 1948, Serial No. 42,469
2 Claims. (Cl. 175—339)



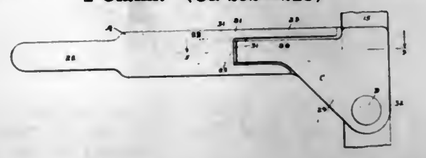
1. An electroacoustic transducer comprising an insulating member including a cylindrical portion having a seating surface at one end and an outwardly extending flange adjacent the other end, a pole-piece embedded in said insulating member and including a flange overlying said first flange and having also a cylindrical part extending from said flange toward the plane of said surface, said cylindrical part being coaxial with and laterally spaced from said cylindrical portion and terminating in a pole face, a magnet having a cylindrical portion fitted about said first cylindrical portion and seated upon said pole-piece flange and having also an annular portion opposite said pole face, an annular armature seated upon said seating surface and extending therefrom into proximity to said pole face, said insulating member having a seating shoulder between said cylindrical portion of said member and said cylindrical part of said pole-piece, a signal coil seated on said shoulder, and fastening means engaging said pole-piece flange and fixing said coil against said shoulder.

2,567,366

OPERATING HANDLE LEVER FOR ROTARY BAR DOOR FASTENERS

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application January 19, 1948, Serial No. 3,018
1 Claim. (Cl. 292—218)



In an operating handle lever for a rotary bar, the combination with an elongated handle member having a longitudinal, laterally offset extension at its inner end, and a pocket in said member at the inner end thereof adjacent said extension, said pocket having a lateral side wall spaced laterally from said extension, said side wall having a flat transverse end face; of a detachable end section for said member, said end section having a transverse shoulder at its inner end and a laterally inwardly offset lug projecting beyond said shoulder, said lug being engaged in said pocket and in back of said side wall thereof, and said shoulder abutting the flat transverse end face of said lateral side wall, the end of said end section which carries the lug being in abutment with the inner side of said extension and having an outer end portion parallel to said extension in lateral spaced relation thereto; and a pin extending through said end section, extension and said bar, said pin connecting said handle member to said bar for swinging movement in a plane parallel to the length of said bar, said pin being headed at opposite ends, said heads being shouldered against said end section and extension to hold the same against spreading.

2,567,367

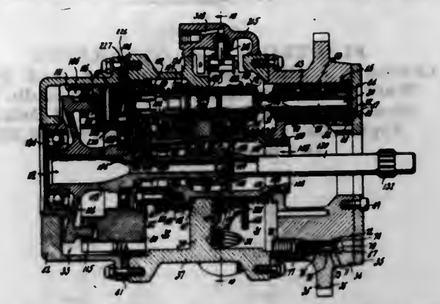
FUEL INJECTION PUMP

Desire J. Deschamps, Rutherford, N. J., assignor to Deschamps Fuel Injection Corporation, New York, N. Y., a corporation of New York

Application March 5, 1947, Serial No. 732,491
11 Claims. (Cl. 103—37)

1. In a fuel injection pump, passage means for delivering fuel under pressure to an engine; a pumping unit including a cylinder and a plunger coacting therewith, said cylinder having diametrically opposed ports in communication with said passage means and a compression space beyond said plunger; said plunger having an annular

fuel chamber in its outer surface and a pair of diametrically opposite longitudinal grooves communicating therewith and arranged to register simultaneously with a pair of said cylinder fuel receiving ports; passage means interconnecting said compression space and said fuel chamber; means effective to reciprocate said plunger and



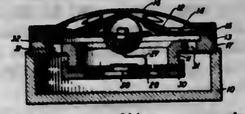
to rotate the same relatively to said cylinder, both in a predetermined relation to the engine crank shaft speed and to the relative angular position of the engine cranks, to inject fuel under pressure into said passage means; and adjustable means effective to regulate the amount of fuel delivered during each stroke of said plunger.

2,567,368

TELEPHONE TRANSMITTER

Helmuth Eckardt, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 9, 1949, Serial No. 97,972
11 Claims. (Cl. 179—124)



1. A telephone transmitter comprising a housing, means mounting said housing for bodily vibration, means within said housing dividing the interior thereof into two chambers connected by a restricted passageway, said dividing means including an electrode and a flexible member mounting said electrode from said housing, said electrode extending into one of said chambers and the wall of said housing opposite said electrode being electrically conductive and insulated from said electrode, and comminuted resistance varying material in said one chamber, said restricted passageway being of such cross section as to permit the passage of air and to preclude the passage of said comminuted resistance varying material.

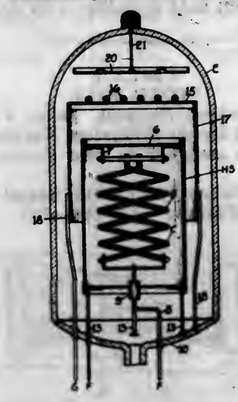
2,567,369

GAS FILLING FOR GRID CONTROL GAS TUBES

Donald V. Edwards, Montclair, and Earl K. Smith, West Orange, N. J., assignors to Electrons, Incorporated, Newark, N. J., a corporation of Delaware

Application August 2, 1947, Serial No. 765,764
5 Claims. (Cl. 313—226)

3. A gas tube of the type described comprising in combination, a thermionic emissive cathode, a heat shield surrounding said cathode and having a discharge opening therein, a control grid and anode disposed in a predetermined space relation to said heat shield in accordance with the dimensions of said discharge opening and the space relations of said cathode and heat shield, and an envelope inclosing said tube elements and filled



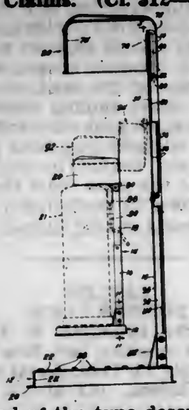
with a mixture of xenon and argon in approximately equal proportions at a pressure comparable with that for which the tube elements are proportioned for xenon gas alone.

2,567,370

HOUSING AND STAND FOR BOTTLED GAS

Oscar Fauser, Jr., Rock Island, Ill., assignor to Stampings, Incorporated, Davenport, Iowa, a corporation of Iowa

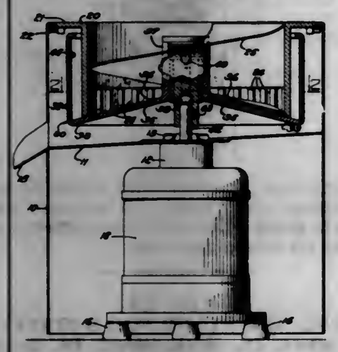
Application December 23, 1946, Serial No. 717,897
10 Claims. (Cl. 312—100)



1. In a stand of the type described, a base, an upright standard secured to said base, said standard being polygonal in cross-section, a shell-like housing having its open side facing downwardly, a sleeve secured to the inner surface of said housing on one of the vertical surfaces thereof, said sleeve being similar in cross-section to said standard and telescoping over the upper end thereof, the lower end of said sleeve being substantially flush with the lower edge of the housing, said sleeve having laterally spaced depending ears extending below the lower edge of the housing, said ears having openings therein and said standard having slots therein for insertion of a connecting pin therethrough, said housing being vertically movable, the distance between the upper ends of said slots and the upper end of the standard being no greater than the dimension of said ears above the openings

therein, said standard having an upstanding projection on its upper end on the side thereof remote from said one vertical surface of said housing, said sleeve being adapted to engage said projection when said housing is in its upper position.

2,567,371
CIDER MILL
Lyonal D. Forkey, Norwell, John T. Peterson, Melrose, and Henry I. Morton, Needham, Mass.; said Morton assignor to said Forkey and said Peterson
Application February 17, 1948, Serial No. 8,965
2 Claims. (Cl. 146—76)



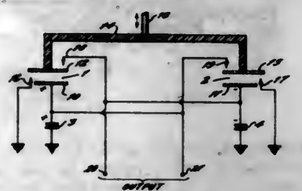
1. In a juice extractor having a frame, an electric motor mounted therein having a vertical shaft, a rotatable basket mounted on said shaft, a fruit retainer supported on said frame and having a wall extending downwardly into said basket, an inclined ramp in said retainer for holding the fruit while being ground, spaced slots provided on the lower edge of the wall of said retainer, a floor in said basket sloping downwardly from its center to its sides and carrying an abrading surface thereon for grinding fruit placed in said retainer, and said basket having porous side walls for filtering the juice from the ground pulp of the fruit thrown by centrifugal force against the porous side walls of said basket.

2,567,372
TOGGLE LOCK
Alfred W. Gelpcke, Brooklyn, N. Y., assignor to The Rawlplug Company, Inc., New York, N. Y.
Application July 28, 1949, Serial No. 107,270
5 Claims. (Cl. 85—3)



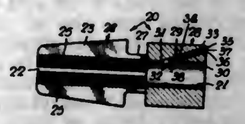
1. A toggle lock for a holding bolt used in holding a device onto a hollow structure comprising, a toggle head pivotally carrying a member having a hole that is screw threaded to receive an installation screw threaded fastener, a spirally wound spring having an internal diameter large enough to freely pass the holding fastener and having one end permanently anchored to the toggle head, the anchorage being such as to cause the head to move at once to holding position immediately it is passed through a hole in said structure, a guide member having a stop positioned to engage the front surface of the structure to which the toggle lock is applied, the outer end of said spring being anchored to said guide member which is adapted to be displaced from the toggle head whereby the head and the screw threaded member carried thereby can be readily turned by the hand of an installer into axial alignment with the installation screw threaded fastener.

2,567,373
ELECTROSTATIC GENERATOR
Lawrence J. Giacoletto, Eatontown, and Irving Wolff, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 10, 1949, Serial No. 98,304
10 Claims. (Cl. 171—97)



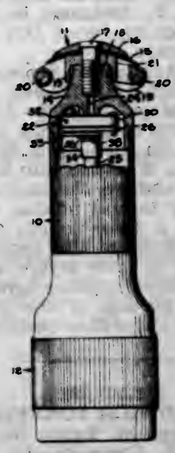
1. An electrostatic generator comprising a pair of condensers connected in series, a first variable condenser, a second variable condenser, means for synchronously moving the plates of said variable condensers toward and away from one another to vary the capacities of said variable condensers between maximum and minimum values, the maximum capacity of each of said variable condensers being more than twice as great as the minimum capacity thereof, and switching means to connect each of said variable condensers in parallel with one of said pair of condensers when said variable condensers are in the maximum capacity condition and to connect both of said variable condensers in parallel with said pair of condensers in series when said variable condensers are in the minimum capacity conditions.

2,567,374
SPRING LOADED JAW SPLICE
Peter Greco, New York, N. Y.
Application July 8, 1946, Serial No. 682,093
7 Claims. (Cl. 24—126)



1. A connector for securing a rod-like end thereto comprising a housing having a bore for inserting the rod-like end therein, said housing having a slot positioned obliquely with respect to the longitudinal axis of the bore and extending from the outside surface of the housing to the inner surface of said bore; and a wire spring having at least two legs positioned in said slot, one leg thereof extending transversely across said bore and the other leg thereof being caught in said slot to prevent removal therefrom, said legs of said spring being spring-biased toward each other when positioned in the slot, whereby the leg extending across said bore will be wedged between said rod-like end and said housing preventing removal therefrom when the rod-like end is inserted into said bore past said leg, the external opening of said slot being of a size to permit the wire spring to be inserted through the slot.

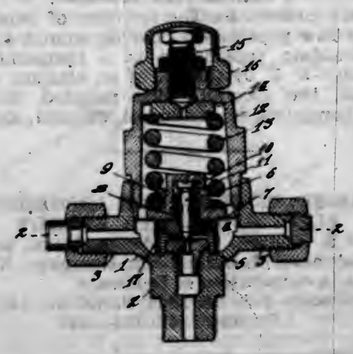
2,567,375
RAZOR
Russell P. Harshberger, Altadena, Calif.
Application April 27, 1948, Serial No. 23,452
5 Claims. (Cl. 30—44)



1. A power operated razor comprising, in combination, a closed tubular casing, a cutter head fixed on one end of said casing and having a support for an elongated cutting blade, a guard for said blade yieldably connected to said support for relative reciprocatory motion longitudinally of said blade, a driven shaft extending axially of said casing and journalled therein, a driving mechanism in said casing for rotating said shaft, a primary weight secured eccentrically to said shaft adjacent said head and revoluble thereby in an orbital path about the axis of rotation, a centrifugal governor weight operatively mounted on said primary weight for revolution therewith, a secondary weight mounted eccentrically on said shaft adjacent said primary weight for axial shifting movement and for rotary adjustment selectively into different angular positions relative to said primary weight, all said weights being fully enclosed within said casing and inaccessible from the exterior of said casing, axially engageable detent means for normally constraining said secondary weight to revolve in any one of said positions positively with said primary weight, and resilient means acting on said secondary weight to urge said detent means into engagement, said secondary weight being axially movable away from said primary weight in opposition to said resilient means to disengage said detent means in response to an axial jar imparted to the other end of said casing and of greater force than that of said resilient means, said primary weight being revoluble relative to said secondary weight during disengagement of said detent means, whereby momentary disengagement of said detent means is effective to adjust said secondary weight from any one of said positions into the next position.

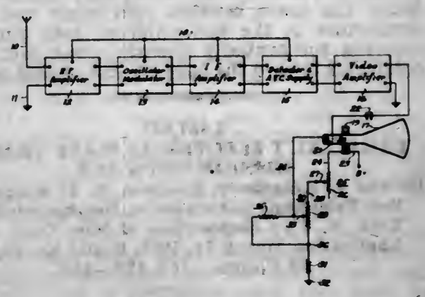
2,567,376
LIQUID STRAINER
William Norman Hedeman and Clarence L. Stone, Cincinnati, Ohio, assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
Application December 19, 1947, Serial No. 792,644
1 Claim. (Cl. 210—166)

In a terminal valve of the nature disclosed, a valve casing having a chamber with inlet and discharge passages, a diaphragm marginally clamped within said casing and flexed by pressure in said chamber, a valve carried by said diaphragm for opening and closing said discharge passage in relative alternate flexing movements of the diaphragm governed by the rise and relief of pressure within said chamber and a close coiled spring strainer within said chamber encircling



the valve and the valve controlled port of discharge passage and disposed between and axially in end bearing contact respectively with said diaphragm and a wall of said chamber said coiled spring strainer being under compression so that bearing contact is maintained between the ends of said strainer and said diaphragm and said wall of said chamber during flexing of said diaphragm.

2,567,377
AUTOMATIC FOCUS CONTROL MEANS FOR CATHODE-RAY TUBES
Ralph O. Holbrook, Takoma Park, Md., assignor to Stromberg-Carlson Company, a corporation of New York
Application December 6, 1949, Serial No. 131,362
4 Claims. (Cl. 315—31)



1. In a control apparatus for a magnetic-focus cathode ray tube having independently adjustable potentiometer means for respectively controlling the brightness and the focus of said tube, said potentiometer means being connected in series circuit relation to form a focus control circuit comprising a constant portion of said brightness controlling potentiometer means and an adjustable portion of said focus potentiometer means and a brightness control circuit comprising the combination of impedance means connected in parallel circuit relation with an adjustable portion of said brightness controlling potentiometer means for maintaining said tube in focus over a wide range of brightness adjustment.

2,567,378
PREPARATION OF PEPSINOGEN AND PEPSIN
Eugene F. Kennedy and Myron D. Grossnickle, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 15, 1947, Serial No. 728,951
8 Claims. (Cl. 195—66)

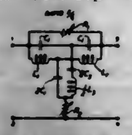
1. In a process for the recovery of pepsinogen from a raw pepsinogen-bearing source, the step of extracting pepsinogen at a temperature of —10° to —5° C. by the use of an alkaline alcohol solution, the alcohol being selected from the group consisting of methanol, ethanol, and propanol.

2,567,379
TERMINAL DEVICE FOR ABSORBING ELECTROMAGNETIC ENERGY
Orwald E. Kienow, South Acton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 20, 1944, Serial No. 545,839
3 Claims. (Cl. 178—44)



1. A terminal device for a guided wave system comprising: a transmission line section including coaxially disposed inner and outer conductors; a plug closing one end of said outer conductor; means passing through said plug and engaging the adjacent end of said inner conductor, for supporting said end of said inner conductor in spaced relationship to said outer conductor; means, adjacent the other end of said outer conductor and engaging said inner conductor along the length thereof, for similarly supporting the other end of said inner conductor; and a laminarly-wrapped covering of a material which is highly absorbent of electromagnetic energy, about said inner conductor; said covering filling the space between said inner and outer conductors at the end adjacent said plug and tapering substantially linearly along said inner conductor toward the opposite end of said section.

2,567,380
PARALLEL T ELECTRICAL WAVE TRANSMISSION NETWORK
Burton A. Kingsbury, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1949, Serial No. 84,691
22 Claims. (Cl. 178—44)

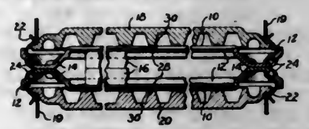


1. A wave transmission network comprising two T's connected in parallel, one of said T's comprising two equal series capacitances and an interposed shunt branch including an inductance, the other of said T's comprising two equal series inductances and an interposed shunt branch including a capacitance, and the shunt branch of said one T in series with the parallel combination of the series arms of said one T having the same series-resonant frequency as the shunt branch of said other T in series with the parallel combination of the series arms of said other T.

2,567,381
PROCESS FOR MANUFACTURING SOAP
Hans George Kirschenbauer, Allendale, N. J., and Joseph Henry Percy, deceased, late of Woodmere, N. Y., by Constance L. Percy, executrix, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application September 9, 1947, Serial No. 773,069
13 Claims. (Cl. 260—419)

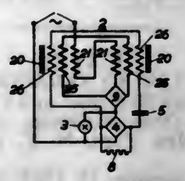
1. In the making of soap from fatty glycerides by a process which includes a fitting operation in which the soap is settled into layers including neat soap, nigre and lye, the improvement which comprises adding to and mixing with the soap, prior to settling, a water soluble material yielding phosphate ions in the resulting mixture, settling the soap to form layers, and separating the neat soap from the other layers which contain the major portion of the phosphate material including impurities removed from said neat soap.

2,567,382
SANDWICH TOASTER
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application October 12, 1948, Serial No. 54,017
8 Claims. (Cl. 99—376)



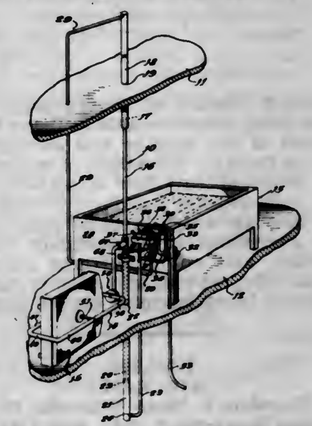
1. In combination with a waffle iron having a pair of opposed grids capable of having their opposed faces parallel when spaced apart, a pair of similarly shaped sandwich grids each adapted to overlie a waffle iron grid, each sandwich grid including a central portion, a border around said central portion, said border having a plurality of hollow embossments therein adapted to engage corresponding hollow embossments in opposed sandwich grids, so as to space apart the central portions of said opposed grids, and the embossed portions of said border being a minor portion of the length of said border, whereby heat losses are reduced.

2,567,383
MEANS FOR GENERATING LOW-FREQUENCY ELECTRICAL OSCILLATIONS
Ulrik Krabbe, Odense, Denmark, and Sven-Eric Hedström, Ludvika, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget Vasteras, Sweden, a corporation of Sweden
Application November 26, 1946, Serial No. 712,420
In Sweden March 28, 1946
14 Claims. (Cl. 321—69)



1. Means for generating low frequency oscillations, comprising a direct current saturable reactor, a source of alternating current, a load fed by said source in series with said reactor, means for saturating the reactor with direct current ampere turns including means variable with changes in the alternating current traversing the reactor to vary the number of such saturating ampere turns in direct proportion with variations in such alternating current so as to maintain them substantially equal to the ampere turns of such alternating current, and means for feeding additional saturating ampere turns to said reactor, said last means including a resonance circuit containing elements capable of independent oscillation, and means to supply current to such circuit.

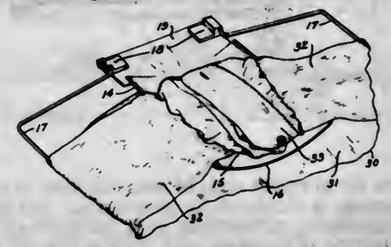
2,567,384
AUTOMOTIVE VEHICLE RADIATOR AND GAS TANK HANDLING APPARATUS
Fredrick F. Lietz, Appleton, Wis.
Application September 23, 1948, Serial No. 50,813
5 Claims. (Cl. 29—200)



1. An apparatus for lifting and adjustably supporting a heavy article for inspection and repair, said apparatus comprising a pair of vertically spaced elongated upper and lower cylinders, a fluid actuated piston having an upper and a lower end portion which portions are slidably received in said upper and lower cylinders respectively, a rod connecting said piston portions, said piston being rotatably as well as slidably mounted in said cylinders, an arm member carried by said rod, said arm being rotatable relative to said rod, a frame for supporting the article for inspection and repair, said frame being rotatably mounted on said arm member, a clamp carried by said frame for clamping said article in adjusted position on said frame, a fluid pressure supply line connected to said upper and lower cylinders, and valve means disposed between said fluid pressure line and said cylinders and operable for selectively admitting fluid under pressure to said upper and lower cylinders to reciprocate said piston.

2,567,385
METHOD OF FOLDING AND PACKAGING SHIRTS
Stephen Lighter, Milwaukee, Wis.
Application November 12, 1947, Serial No. 785,232
2 Claims. (Cl. 93—163)

1. The method of wrapping a shirt, which comprises, positioning the flattened and distended shirt with its buttoned bosom portion lowermost and with the flattened sleeves outstretched and the cuffs distended, bending the bosom and the superimposed back portions laterally to predetermined definite curvature and maintaining said bosom and back portions thus curved to provide a concavity extending longitudinally of the back while initially folding the sleeves inwardly to dispose the flattened cuffs lengthwise and centrally within the concavity, folding the opposite side portions of the shirt and the initially folded adjacent sleeve portions inwardly into the con-



cavity to produce an elongated folded assemblage of definite width and subsequently folding the lower portions of the shirt transversely and superimposing the same over the inwardly folded sleeves and side portions within the concavity, slipping a continuous band wrapper over the transverse fold and along the folded shirt toward the collar, and finally releasing the pre-curved bosom and back portions to allow the completely folded shirt to spread laterally within the band.

2,567,386
BRACKET FOR SUPPORTING CABLES OR PIPES
Otto H. Lind, Cincinnati, Ohio
Application November 30, 1946, Serial No. 713,199
5 Claims. (Cl. 248—71)

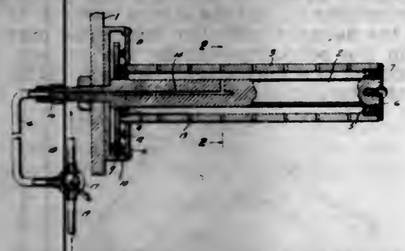


1. A hooked bracket for a conduit, including, in combination, a wall penetrating member having a non-circular tapered shank on one end, a driving head on the other end, and a hook arm extending sidewardly from the driving head end of the shank, said arm having a concave curved surface facing the tapered end of the shank; and a wide easily bent resilient guard plate having a hole in one end through its thickness conforming to the cross section of the shank, which plate embraces the shank of the penetrating member, by means of said hole, near the arm thereof, and the other end of the plate being bent back to resiliently engage the end of the hook arm for holding said guard seated against said arm.

2,567,387
VACUUM MANDREL
Edwin A. Link, Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application October 21, 1947, Serial No. 781,073
1 Claim. (Cl. 242—68)

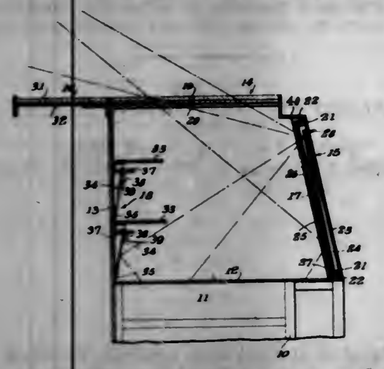
A vacuum mandrel construction comprising a support, a stationary rigid shaft projecting outwardly from and carried by said support and having a passageway from its inner end and opening through said shaft at a point in front of said support, a mandrel revolubly carried by

said shaft and having a hollow interior communicating with said passageway and having a plurality of openings extending from its outer peripheral surface to its hollow interior, sealing



means for opposite ends of said mandrel, a source of vacuum, a source of compressed air, and means for selectively connecting said passageway with said source of vacuum and said source of compressed air.

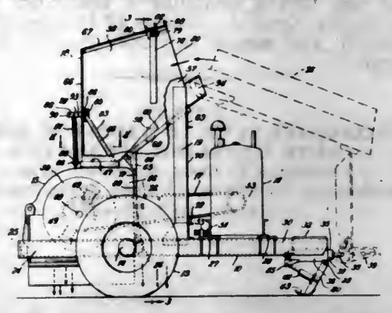
2,567,388
DISPLAY COUNTER
Alfred A. Long, Los Angeles, Calif.
Application August 12, 1946, Serial No. 689,890
2 Claims. (Cl. 312—114)



1. A display case comprising a transparent top, a counter forming a lateral extension of said top, adjustable reflecting members arranged to face toward the interior of the case and away from said counter for receiving reflections of some of the items in the case, and an adjustable reflecting element opposed to the mentioned reflecting elements for receiving the reflections of the latter elements and also of other items in the case and transmitting said reflections through the transparent top to be viewed by a person sitting before said counter.

2,567,389
PORTABLE BREAKER UNIT WITH BAR-SCREEN SEPARATOR IN THE MATERIAL FEED STRUCTURE
Raymore D. MacDonald, La Grange, Ill., assignor to Athey Products Corporation, Chicago, Ill., a corporation of Illinois
Application January 6, 1949, Serial No. 69,492
8 Claims. (Cl. 241—81)

8. A portable crusher unit adapted to receive an aggregate of coarse and fine material fed thereto at relatively high velocity and comprising, in combination, a hopper having an opening at the top of the front thereof through which the aggregate is fed thereto, means suspended for swinging movement interiorly of the opening and laterally aligned with the opening, said means normally extending to a position in the hopper for impact with the material entering the opening, an impact crusher below the hopper and having communication with the hopper through a passage at the rear of the bottom portion of the hopper, a plurality of slat members hingedly supported in side-by-side relationship for swinging movements to and from a position



for effecting closure of the passage, said slat members being biased to said position for effecting closure of the passage and movable against the biasing force by the weight of material thereagainst for permitting flow of material into the crusher, said crusher having an outlet opening therein through which crushed material is discharged therefrom, a prime-mover for driving the crusher, and an underframe supported by means including wheels, said crusher, hopper and prime-mover being mounted on the underframe.

2,567,390
AIR RAM
Theodore E. Mead, Wilmette, Ill.
Application December 8, 1945, Serial No. 633,828
9 Claims. (Cl. 121—13)

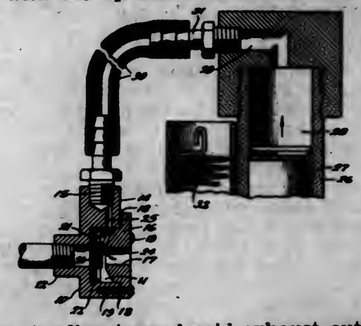


1. Control mechanism for a moving member, comprising a casing, a lever pivotally carried thereby, a trigger pivotally mounted on said lever, said trigger having an inclined upper face adapted to engage an inclined face carried by said moving member, said casing being provided with a surface substantially parallel with the axis of said moving member, said trigger having also a bearing surface substantially parallel with the axis of said moving member and adapted to engage said parallel surface of said casing, and spring means normally urging said lever toward said parallel surfaces.

2,567,391
EXHAUST VALVE STRUCTURE
Theodore E. Mead, Wilmette, Ill.
Application June 27, 1946, Serial No. 679,656
5 Claims. (Cl. 251—118)

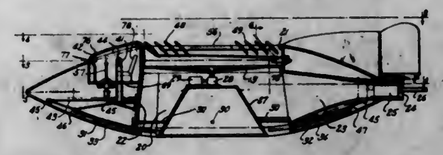
1. An exhaust valve structure, comprising a casing providing a valve chamber with a fluid inlet in the front end, an exhaust outlet on the

opposite end, and a port extending laterally through a side of the casing adjacent the rear thereof, and a resilient valve frictionally slidable in said chamber and comprising a cup-shaped body with the lip flange thereof having its free



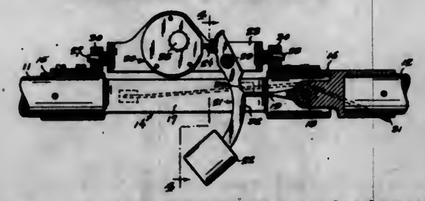
edge extending toward said exhaust outlet, said lip flange contacting the interior wall of said valve chamber throughout its periphery, said valve having also a central portion adapted to engage and seal said exhaust outlet and to space said lip flange from said lateral port.

2,567,392
FLUID SUSTAINED AIRCRAFT
Harold Naught, Rushville, Ill.
Application June 28, 1948, Serial No. 35,556
3 Claims. (Cl. 244—23)



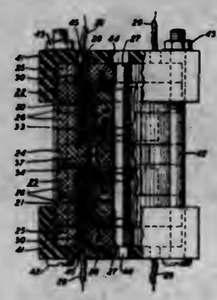
1. In an airship, the combination which comprises a horizontally disposed circular body having arcuate upper and lower walls tapering from a section having flat upper and lower surfaces at the center to an outer edge V-shape in cross section, a centrally positioned vertically disposed cylindrical wall having a gradually enlarging lower end extended through the said center section having the flat upper and lower surfaces of the body providing a substantially open vertically disposed well extended through the body, a hollow frustro-conical shaped centrally disposed base positioned in the lower part of the said well with the periphery of the lower end thereof spaced from the lower end of the wall of the well providing an annular air passage in the lower flat surface of the body, a horizontally disposed propeller journaled on the upper end of the said frustro-conical shaped base and spaced downwardly from the upper end of the well, a plurality of units of shutters positioned in the upper end of the well and journaled in the upper part of the body, means actuating the shutters for controlling the passage of air through sections of the upper end of the well independently, plates slidably mounted in the lower part of the body and positioned to pass into the lower part of the well for closing the said annular passage in the lower part of the body and thereby controlling the passage of air through the lower end of the well, means for rotating the propeller, a tunnel rectangular shaped in cross section extended from said well to a point at the rear edge of the said body providing a rear outlet for air in the well, ailerons extended from the sides of the body and adjustably mounted thereon, a vertically disposed stabilizer positioned on the upper surface of the body, and a rudder pivotally mounted on the said stabilizer.

2,567,393
COMBINED FISH PEW AND COUNTER
Matti Niemi, Anchorage, Territory of Alaska
Application April 26, 1947, Serial No. 744,227
3 Claims. (Cl. 235—91)



1. In an instrument providing a load-receiving head, the combination of a jointed handle therefor comprised of front and rear hinged sections arranged to be gripped one said section by one hand and the other said section by the other hand of the user, said sections being arranged to turn from a normal generally co-axial relationship through a limited degree of relative angular movement by the act of lifting the loaded instrument, a counting mechanism supported by the handle, normally inactive and oscillating means carried by one of said handle sections and acting at one end limit of its travel to cause the said counting mechanism to register a one-number rising count, and dog means carried by the other of said handle sections and caused to hold said oscillating means inactive when the handle sections are co-axial and to release said oscillating means when the handle sections are given relative movement by a loading of the handle.

2,567,394
INDUCTANCE COIL
Charles W. Nuttman, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1950, Serial No. 178,401
7 Claims. (Cl. 171—242)



2. In an inductance coil, a hollow enclosed casing, said casing including a member extending into said casing and dividing said hollow casing into two sections, a center core in each of said sections, a winding around each of said cores, a middle center core extending through said member and defining a first air-gap therewith, said middle core extending into each of said sections, said casing and said cores being of a ferromagnetic material, and means providing second air-gaps between said center cores and between the outer of said center cores and said

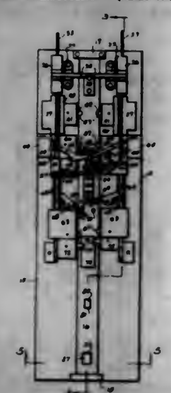
casing whereby the percentage coupling between said two windings is determined by the relationship between the lengths of said first and second air-gaps.

2,567,395
PERPETUAL CALENDAR
Thomas F. Peterson, Jr., Shaker Heights, Ohio
Application December 6, 1948, Serial No. 63,710
3 Claims. (Cl. 40—111)



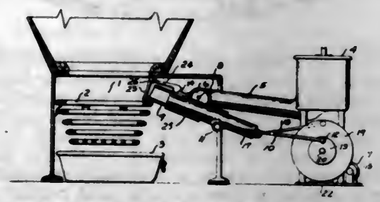
1. A calendar comprising a cylindrical date table, a month group list of cylindrical form mounted on said table in coaxial movable relationship thereto; a yearly index on said table having reference points at the edge of its surface adjacent to the month group list; a datum point on said list for use in reference to the reference points of the yearly index, and a cylindrical sleeve masking inapplicable portions of said table and list having means for revealing a month group and a block of dates representative of one month of said group, and week day designations carried on said sleeve for alignment with the block of dates revealed thereby.

2,567,396
FISHHOOK-FORMING DEVICE
Walter S. Peterson, Sr., Denver, Colo.
Application April 6, 1946, Serial No. 660,182
10 Claims. (Cl. 29—9)



1. A fishhook-forming device comprising a table longitudinally inclined to the horizontal for the gravity-induced sliding of wire sections therealong, a straight, rigid, actuating member grooved seated in and for reciprocation longitudinally of the table upper face, means for the cyclic power reciprocation of said member, an abutment and a complementary shiftable shoe adjacent the table upper edge definitive of a straight feedway on the table surface paralleling the member reciprocatory path, means operable to shift said shoe toward said abutment with straightening effect on a wire length therebetween at one limit of member reciprocation and to retract said shoe away from said abutment for opening of the feedway at the other limit of member reciprocation, a forming die and a complementary shiftable forming element continuing said feedway below said abutment and shoe cooperable in reaction to member reciprocation to laterally offset a section of wire in said feedway and to sever such wire at the upper end of the offset, a channeled block overlying and continuing said feedway below said forming die and element, a plunger stop reciprocable in said block in reaction to member reciprocation to obstruct said feedway at times, to open said feedway at the limit of member reciprocation characterized by shoe and abutment and forming die and element separation, and to close with wire-pointing effect against an anvil in the feedway floor at the other limit of member reciprocation, wire-barbing means shiftable in said block in reaction to member reciprocation when said plunger stop is closed against its anvil, a second channeled block overlying and continuing said feedway in spaced relation below said first block, and means associated with said second block and reactive to member reciprocation operable to position and hold a feedway-accommodated wire section, to close the previously-formed lateral offset as an eye on one end of the section, and to roll the section other end into a hook bight.

2,567,397
SOLID FUEL FEEDING DEVICE
William F. Pfau, Cincinnati, Ohio
Application September 8, 1945, Serial No. 615,189
5 Claims. (Cl. 198—82)



1. A solid fuel feed device for feeding fuel from a source of supply directly into the combustion chamber of a furnace comprising a sleeve provided with a fuel receiving recess therein and having one end disposed to discharge fuel into the combustion chamber, a conveyor for feeding fuel from the supply source into the fuel recess of the sleeve, a pusher within the sleeve and said pusher and sleeve being reciprocable one to another for discharging the fuel from said sleeve into the combustion chamber, and means for reciprocating the sleeve and pusher relatively to each other for collecting the fuel from the conveyor and discharging it into the combustion chamber of the furnace.

2,567,398
END CONNECTION FOR WRIST WATCH STRAPS AND BRACELETS
William Joseph Pfeifer, Point Pleasant, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey
Application May 27, 1948, Serial No. 29,581
6 Claims. (Cl. 24—265)

1. An end connection for a wrist watch strap or the like, comprising a housing having a hollow body, a forwardly extending element forming a recess, said element having a terminal lip, a hinge plate movably positioned in the hollow body and adapted to be connected to a bracelet end extending into the hollow body, and a cover plate

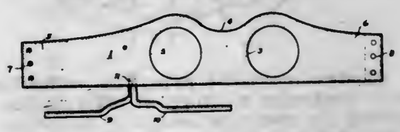


having its rear end hinged to the hinge plate and its forward end provided with a snap edge adapted to releasably snap past the housing element terminal lip, the sides of the hollow body having guide slots for receiving the rear end of the cover plate.

2,567,399
PURIFYING SULFONIC ACIDS
Wayne A. Proell, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application October 22, 1946, Serial No. 704,994
12 Claims. (Cl. 260—513)

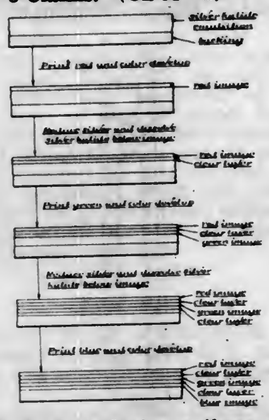
9. A process for purifying a crude alkanesulfonic acid containing impurities including nitrogen oxides and disulfoxides, said alkanesulfonic acid being derived from a nitrogen oxide-catalyzed oxidation of an aliphatic sulfur compound selected from the group consisting of alkyl mercaptans and compounds having the formula $R_1S_nR_2$ wherein R_1 and R_2 are alkyl radicals and n is an integer having a value between 1 and 6, inclusive, which process comprises contacting said sulfonic acid with between about 1 and about 15 percent by weight of nitric acid having a concentration between about 60 and about 100 percent by weight, purging the contacting mixture with an inert gas at a temperature between about 180° F. and about 280° F. for a period of time sufficient to remove at least a substantial proportion of volatile impurities, thereafter contacting the resultant sulfonic acid with hydrogen chloride, whereby the sulfonic acid is bleached, and removing hydrogen chloride from the sulfonic acid.

2,567,400
CHILD'S SAFETY BELT
Mary A. Rahe, Mount Pleasant, Iowa
Application May 21, 1949, Serial No. 94,693
1 Claim. (Cl. 155—189)



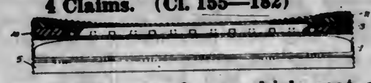
A safety belt for restraining a child in a high-chair comprising an elongated fabric band tapering to a reduced width at each end thereof, a pair of centrally spaced arm-receiving apertures in said band, snap-acting complementary fastening means at each end of said band, and means affixed to the lower edge of said band and adjacent to one of said apertures for securing said band to said highchair, said last mentioned means including a pair of fabric tapes secured to said band by stitching.

2,567,401
PROCESS OF PRODUCING COLORED PHOTOGRAPHS
Paul Raibourn, Southport, Conn.
Application April 18, 1947, Serial No. 742,460
8 Claims. (Cl. 95—2)



1. A method of producing a three-color positive film from three-color separation negatives red, green and blue, comprising the steps of printing the red record image in a single silver halide emulsion panchromatic film to a controlled depth, developing the image thus formed to cyan, reducing the silver in that image to silver halide, dissolving it and the silver halide in the emulsion below the image for a short distance to form a thin clear layer, printing the green record image in the emulsion through the cyan image, developing this second image to magenta, reducing the silver in that image to silver halide, dissolving it and the silver halide in the emulsion below the image for a short distance to form a thin clear layer, printing the blue record image in the emulsion below the magenta image through the cyan and magenta images, developing that image to yellow, reducing the silver of that image to silver halide and dissolving it.

2,567,402
SEAT COVER AND CUSHION
Clarence H. Rauschenberg, Washington, D. C.
Application August 16, 1948, Serial No. 44,504
4 Claims. (Cl. 155—182)

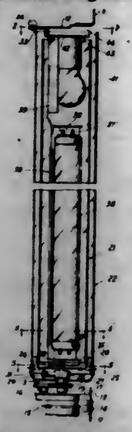


1. A detachable cover for a vehicle seat comprising, a fabric cover for said seat, said cover having a pocket therein substantially coextensive with the upper surface of the seat, an auxiliary seat and a cushion adapted for insertion in the pocket of said cover, said auxiliary cushion having end portions of greater thickness than the intermediate portion.

2,567,403
ILLUMINATIVE DEVICE FOR PROJECTING CONTINUOUSLY CHANGING COLOR DESIGNS
David C. Rockola, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 20, 1947, Serial No. 729,794
3 Claims. (Cl. 240—10.1)

1. In a device of the class described, a supporting structure, upper and lower vertically spaced

brackets mounted on said supporting structure, a stationary, vertically disposed spindle mounted on said lower bracket, a light source, an intermediate bracket for supporting said light source depending from said upper bracket and having a portion formed as a reflector for said light source and retained in vertical alignment by said station-



ary spindle, a pair of hollow, semi-transparent color carrying members surrounding said light source and said intermediate bracket and mounted on said stationary spindle for rotation relative to each other, and a motor and reduction gear assembly mounted on said lower bracket for rotating said members.

2,567,404

STABILIZING FATTY MATERIAL

John Rom, Ramsey, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application August 27, 1947, Serial No. 770,959
11 Claims. (Cl. 260—398.5)

1. The process of stabilizing fatty material which comprises treating a fatty material from the class consisting of high molecular weight fatty acids, fatty acid monoesters and fatty oils containing minor amounts of polyolefinic compounds at an elevated temperature under substantially anhydrous conditions with sufficient acid anhydride having an alpha-beta-enal group to react with said polyolefinic compounds until said polyolefinic compounds have reacted with said anhydride, and discontinuing said treatment before said anhydride reacts with a substantial amount of mono-olefinic constituents of said fatty material.

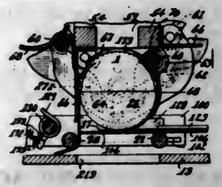
2,567,405

WRAPPING MACHINE FOR SANDWICHES AND THE LIKE

Oscar Sandberg, Defiance, Ohio, assignor to Lynch Corporation, a corporation of Indiana

Application March 13, 1946, Serial No. 654,079
7 Claims. (Cl. 93—7)

1. In a wrapping machine for frangible articles a feed conveyor for articles to be wrapped, a ram for elevating an article from said feed conveyor, a table above said ram and having an opening through which said article and said ram may rise, said table being adapted to receive a wrapper above said opening therein, a rotary folding head above said opening of said table having a plurality of pockets to receive the articles and a wrapper, and to effect a first end flap fold on the wrapper, each of said pockets having an openable side, means to open said side as the article and wrapper enter said pocket and for closing said side thereafter to retain said article and wrapper in said pocket, a bottom flap folder movable to a position for engaging a bottom flap of the wrapper in said pocket and folding it around the article, means for rotating said folder head part of a revolution, a heating plate over which the second bottom flap of the wrapper is dragged for folding it over the first bottom flap and applying heat to it to seal the second bottom flap to the first bottom flap as said folder head is rotated, means for opening said side of said



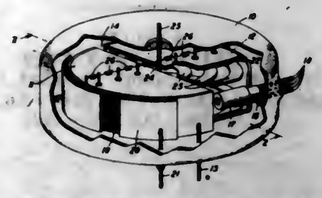
folder head pocket at the new position of the pocket, a single ejecting element for moving the article and wrapper out of all the pockets of the folder head, a second heating plate hingedly mounted and adapted to drag on said bottom flaps of said wrapper as the article and wrapper are moved out of said folder head, means for effecting a second end flap fold on the package as it is moved out of the folder head, said means being moved toward the folder head as the partly wrapped package is moved from the head, means for effecting third and fourth end flap folds on the package, and means for heating the third and fourth end flap folds, said last means comprising stationary heating plates between which said means for moving the partly wrapped package moves the package.

2,567,406

ELECTRIC DISCHARGE DEVICE FOR HIGH-FREQUENCY OSCILLATIONS

Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 23, 1944, Serial No. 527,757
9 Claims. (Cl. 315—4)



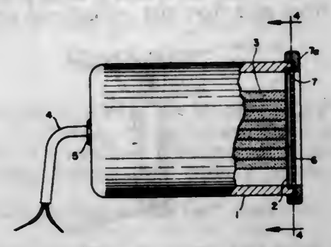
1. Electric discharge apparatus comprising a pair of electrodes mounted in juxtaposition and bounding an operating region, a utilization circuit coupled to said electrodes, means for establishing in said region an electrostatic field having circular symmetry about the axis of said region and having a radial gradient such that the potential of said field varies proportionately to the square of radius from said axis, and means opposite said region for injecting a stream of electrically charged particles into said region adjacent the periphery thereof, substantially tangential thereto and with a velocity in electron volts substantially equal to the field voltage adjacent said periphery.

2,567,407

ELECTROACOUSTIC TRANSDUCER

Frank H. Slaymaker, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

Application April 23, 1948, Serial No. 22,755
1 Claim. (Cl. 177—352)



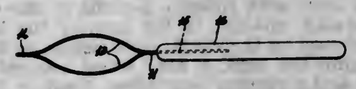
In combination with an electroacoustic transducer for ultrasonic energy of a given wavelength, said transducer having a vibrating element, means for substantially canceling reflections from said element and thereby improving the impedance match between said vibrating element and the adjacent medium, said means comprising a perforated partially reflective element substantially parallel to and equal in area to said vibrating element and of such rigidity that substantially all of the transmission of said energy is through said perforations and substantially no energy is transmitted through the material of said reflective element, said reflective element being disposed with a spacing from said vibrating element of the order of an odd number of half wavelengths of said given wavelength in the medium through which such energy is conveyed such that the portion of said energy reflected by said vibrating element is substantially 180° out of phase with that portion of said energy reflected by said reflective element, said perforations being distributed over the entire area of the reflective element and having a combined area total of the order of one-third of the imperforate area of said reflective element such that the amplitudes of said reflected portions of energy are substantially equal.

2,567,408

NEEDLE THREADER

Gustav Evert Söderberg, Stockholm, Sweden

Application July 31, 1947, Serial No. 764,966
In Sweden May 23, 1945
1 Claim. (Cl. 223—99)



A needle threader comprising in combination a handle portion and a flexible strip-like threader portion, said threader portion having a longitudinal slot in the middle of its plane face, said slot extending substantially in the whole length of said threader portion from a point near the free outer end thereof, the parts of said threader portion spaced by the slot being still strip-like and bent out in opposite directions so as to form a substantial and resilient swelling of the thickness of said strip-like threader portion.

2,567,409

HIGH MOLECULAR WEIGHT FATTY ACIDS

Walter Russell Trent, North Arlington, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Application August 27, 1947, Serial No. 770,949
12 Claims. (Cl. 260—398.5)

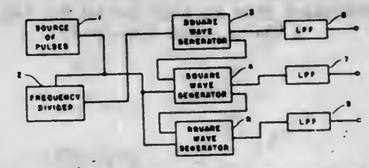
1. A method of stabilizing fatty acids which comprises treating fatty acids containing minor amounts of polyolefinic compounds at elevated temperature with an acid anhydride having an alpha-beta-enal group in sufficient amount to react with said polyolefinic compounds and in the presence of a catalyst for said reaction, and terminating the treatment when said polyolefinic compounds have reacted with said anhydride and before a substantial amount of monoolefinic acids have reacted therewith.

2,567,410

MULTIPHASE GENERATOR

Robert B. Trousdale, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York

Application January 11, 1949, Serial No. 70,253
8 Claims. (Cl. 250—36)



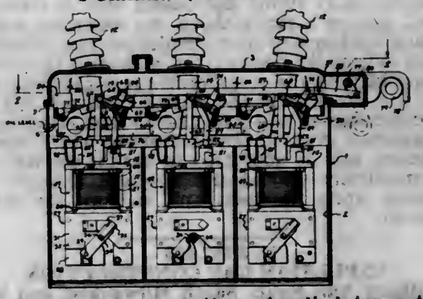
1. A multiphase generator comprising a plurality of square wave generators, a source of pulses, means for applying said pulses to all but one of said generators, means utilizing said pulses for developing a second series of pulses of the frequency of the desired alternating current output, means utilizing the last-mentioned pulses for keying said one generator, and means utilizing said applied pulses and the output of one of the other generators for successively keying the other generators at predetermined times.

2,567,411

POLYPHASE CIRCUIT INTERRUPTER

Anthony Van Ryan, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware

Application January 5, 1946, Serial No. 639,358
4 Claims. (Cl. 200—89)



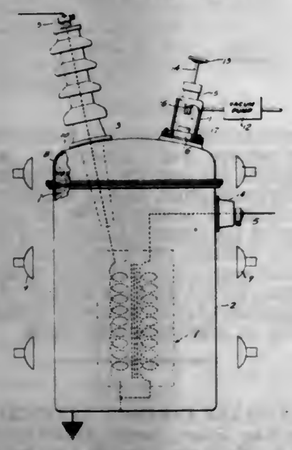
1. A polyphase repeating circuit interrupter comprising a plurality of units, each unit having switch means and switch opening electromagnetic means responsive to overload independently of every other unit, said units being arranged for connection in the several phases of a polyphase

systems, each unit having at least a relatively quick opening operation on overload and said switch means being biased closed, each unit having normally ineffective time delay means cooperating with said electromagnetic means to delay the opening of said switch means, means independent of said time delay means and coacting with said time delay means to render said time delay means effective to delay the opening of the corresponding switch means on continued overload after at least one quick operation of said unit, cumulative means for each unit, a normally inactive trip member for each unit moved by said cumulative means to lock the corresponding unit in open position, means interconnecting the trip members for simultaneously moving all of said trip members to lock-out position upon movement of any member to such position, and resetting means for simultaneously resetting all of said units, said means interconnecting the trip members being separate and distinct from said resetting means.

2,567,412
TRANSFORMER AND METHOD OF IMPREGNATION

Anthony Van Ryan, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware

Application May 17, 1947, Serial No. 748,856
1 Claim. (Cl. 226—20.2)



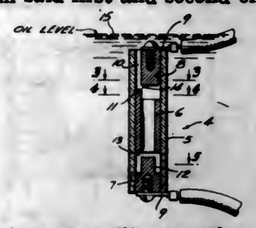
The method of impregnating a transformer housed within an hermetically sealed casing comprising providing an aperture through the casing, substantially filling the casing with a dielectric and leaving a space above the dielectric, evacuating said casing and simultaneously internally and externally heating the dielectric by electrically loading the transformer and applying heat to the outside of the casing, maintaining the temperature of the dielectric at least equal to the maximum working temperature to which the dielectric will be subjected in actual service, and hermetically sealing the aperture through the casing while the heat and vacuum are maintained.

2,567,413
EXPULSION GAP CONSTRUCTION

Anthony Van Ryan, South Milwaukee, and William R. Harry, Milwaukee, Wis., assignors to McGraw Electric Company, a corporation of Delaware

Application December 5, 1947, Serial No. 789,888
2 Claims. (Cl. 313—232)

1. In a device of the class described, a container for oil, an expulsion gap mounted within the container below the oil level, said expulsion gap comprising an elongated insulating tube having a first and a second end, said second end being permanently closed, a first end electrode closing the major part of said first end of said tube and having a cut-away portion providing a passageway, a second end electrode adjacent the second end of said tube, and a central electrode spaced from said first and second end electrodes

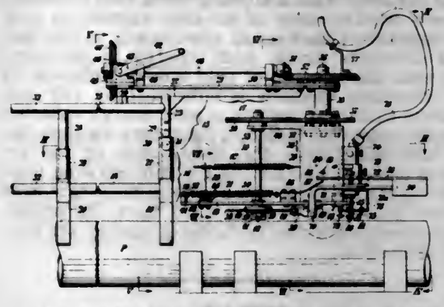


to form main and auxiliary spark gaps with said first and second electrodes, respectively, and having a tongue in close proximity to said first end electrode adjacent the cut-away portion to locate the main spark gap across said passageway, whereby when the expulsion gap functions gas pressure will be generated in the portion of said tube adjacent said auxiliary spark gap and oil will be projected through the main spark gap to deionize said main spark gap.

2,567,414
IMPLEMENT GUIDING APPARATUS

Frank H. Walden, Philadelphia, Pa.

Application January 15, 1946, Serial No. 641,266
5 Claims. (Cl. 33—21)



1. In apparatus for guiding an implement or tool to mark or cut holes into a surface; a support; a member rotatable on the support about an axis perpendicular to the surface to be marked or cut; a slide guided by the member for movement radially of said axis and carrying the implement or tool; means for moving the slide including a shaft with rotative bearing in the member in parallel relation to the axis of the latter, a rotary cam on the shaft, a projection on the slide engaging the cam, a gear wheel secured to the shaft and a mating gear wheel fixed on the support concentrically with the axis of said member.

2,567,415
GRID ASSEMBLY AND METHOD OF FABRICATION

Edward J. Walsh, Tenafly, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 30, 1948, Serial No. 52,020
6 Claims. (Cl. 313—350)

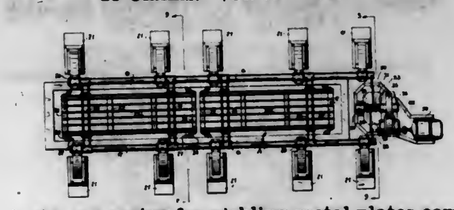
1. An electrode comprising a conductive support, a plurality of fine wire laterals mounted on said support in conductive relationship therewith, and a glaze bonding said laterals to said support.



2,567,416
APPARATUS FOR PICKLING PLATES

Charles G. Watson, Youngstown, Ohio, assignor to The Youngstown Welding & Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application September 25, 1947, Serial No. 776,078
13 Claims. (Cl. 51—163)

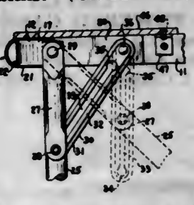


1. An apparatus for pickling metal plates comprising an elongated tank adapted to contain a pickling solution, a framework for supporting the plates to be pickled in upstanding relationship, the said framework including a bottom portion and a plurality of upwardly extending portions attached to said bottom portion in parallel spaced relationship, cradle means movably supported in said tank and having members thereof removably supporting said framework in said tank so that the plates supported by the framework are immersed in the pickling solution, and means for rocking said cradle means to thereby rock the said framework transversely of said tank, thus causing the plates to tilt relative to said framework so that adjoining sides of adjacent plates are moved relative to each other.

2,567,417
LOCKING BRACE FOR FOLDING TABLE LEGS

John B. Adler, Lincoln Park, Mich., assignor to Shwayder Brothers, Ecorse, Mich., a corporation of Colorado

Application January 3, 1949, Serial No. 68,931
2 Claims. (Cl. 311—99)

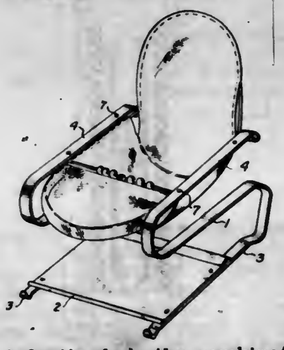


1. In a table construction, a leg pivotally joined thereto, a hollow elongated housing pivotally joined at one end to said frame in nonparallel relation thereto, a centrally slotted leg engaging link for said leg nested and secured within said housing, there being a locking recess at one end of the slot in said link, a locking pin projecting from said leg into said housing and through said slot for sliding engagement relatively thereto, an annular shoulder adjacent the outer end of said pin normally positioned within said housing and slidably engageable with the inner surface of said link, said shoulder being retainingly engageable within said recess when said leg is pivoted to fully open position, a second annular shoulder of increased diameter upon the outer end of said pin and nested within said housing, with the outer surface of said latter shoulder slidably engaging the inner surface of said housing during opening of said leg, and with the inner portion of said latter shoulder retainingly engaging the inner surface of said link when said leg is in fully open position.

2,567,418
INFANT'S CHAIR

Paul L. Barker, Detroit, Mich., assignor to National Production Company, Detroit, Mich., a corporation of Michigan

Application November 15, 1946, Serial No. 709,903
4 Claims. (Cl. 155—17)

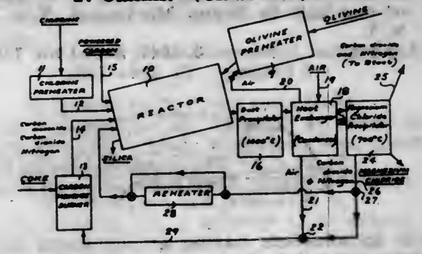


1. In an infant's chair the combination of a closed wire frame comprising a horizontal U portion and a vertical U portion joined together at the ends of the legs and having their bight portions remotely positioned, said frame having at least one separable joint in the bight portion of one of said U portions which can be separated to facilitate assembly of a hemmed seat frame cover thereon, means extending transversely of and releasably connecting the legs of said last mentioned U portion for releasably retaining said separable joint in locked condition, a hemmed seat cover threaded over said frame, a support frame, and means connecting said wire frame with said support frame.

2,567,419
RECOVERY OF MAGNESIUM FROM SILICEOUS MAGNESIUM MINERALS

Kermit B. Bengtson, Seattle, Wash.

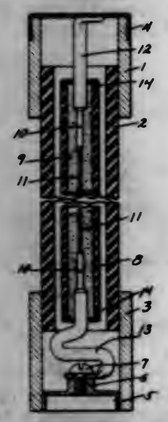
Application June 5, 1948, Serial No. 31,243
17 Claims. (Cl. 23—67)



1. The process of obtaining magnesium chloride from siliceous magnesium minerals which

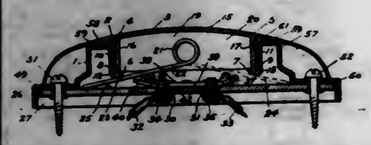
comprises reacting a siliceous magnesium mineral with a volatile chlorinating agent comprising chlorine and carbon monoxide and at a temperature at which substantially all the magnesium chloride formed passes into the vapor phase but at a temperature below the fusion temperature of the siliceous magnesium mineral residue, thereby selectively converting the magnesium content of the mineral to volatilized magnesium chloride and leaving substantially unaffected the non-volatile siliceous content thereof, and separating the magnesium chloride vapor from the siliceous residue.

2,567,420
ELECTRIC FUSE
Augustus Jesse Bowie, San Francisco, Calif.
Application February 4, 1947, Serial No. 726,377
3 Claims. (Cl. 200—131)



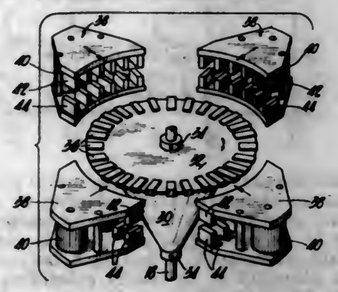
1. In an electric fuse, a main insulating tube having electrical contacts on its opposite ends, a tubular refill fuse member fitting inside the main tube and having its interior filled with an insulating powder, the said tubular refill fuse member being adapted to expand radially upon the fuse blowing, and the said tubular fuse member being normally positioned in sufficiently close relation to the main tube to permit the tubular fuse member to contact the main tube without bursting upon the fuse blowing, a fuse element positioned within the insulating powder, closures at the ends of the tubular fuse member adapted to be opened when the fuse blows, and means electrically connecting the end contacts of the main tube with the fuse element.

2,567,421
PUSH-BUTTON SWITCH
Sigurd Brantingson, Maplewood, N. J., assignor of one-half to Bruno Martinuzzi, New York, N. Y.
Application January 30, 1947, Serial No. 725,293
3 Claims. (Cl. 200—159)



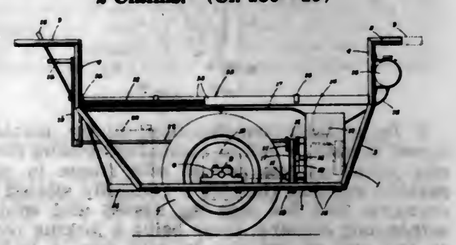
1. In a switch having an elongated housing and a base plate having a pair of contacts connected by said switch and terminals electrically connected to said contacts and an elongated operator conforming loosely to and movable in an opening in said housing, a spring contact having its extreme ends extending beyond the ends of said elongated operator and said operator having bearings extending beyond the portion of said operator in said opening to engage and press said spring contact simultaneously against each of said pair of contacts, said bearings being spaced apart a greater distance than the length of said opening and said extreme ends of said spring contact being spaced apart a greater length than the distance between said bearings and seated beyond the ends of the opening in said housing.

2,567,422
SHEET COUNTER
James B. Camp, Fairfield, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
Application January 8, 1948, Serial No. 1,230
6 Claims. (Cl. 235—98)



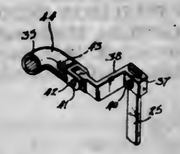
6. Apparatus for counting moving sheets comprising a shaft, a rotor mounted on said shaft, a plurality of equally spaced poles mounted on said rotor, a plurality of stator pole segments grouped around the periphery of said rotor, said stator pole segments being unequally spaced from each other, a photoelectric tube in the path of travel of said sheets, a coil for each of said stator pole segments, a thyratron tube connected in series with the coil of each of said stator pole segments, said thyratron tubes energizing said stator pole segments when fired, means actuated by said photoelectric tube for successively firing said thyratron tubes each time a sheet cuts off the light to said photoelectric tube, and a counter actuated by said shaft each time a stator pole segment is energized.

2,567,423
POWERED CARRIER
Andrew C. Cleghorn, Willows, Calif.
Application July 16, 1949, Serial No. 105,170
2 Claims. (Cl. 180—19)



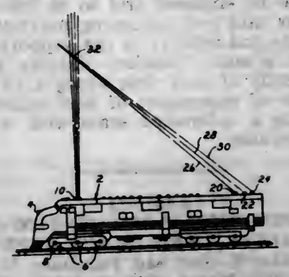
1. A powered carrier comprising an elongated drop-center frame of skeleton form, the frame including transversely spaced longitudinal bottom beams having upwardly and outwardly inclined end legs and upstanding posts at the upper ends of said legs; a single wheel journaled between the bottom beams substantially centrally of the drop-center of the frame, an engine mounted on the drop-center of the frame lengthwise thereof beyond the wheel, releasable driving connections between the engine and wheel, a load supporting platform above the wheel and engine mounted on the frame in substantially the horizontal plane of the lower end portions of the posts, and handles projecting lengthwise and outwardly from at least one pair of said posts at the upper ends thereof; the frame including an open rectangular border frame removably supporting the platform, said border frame being of inwardly and upwardly facing angle form in section to provide a seat for the platform.

2,567,424
OFFSET GOOSENECK MOUNTING FOR AWNINGS
Errol P. D'Azzo, New York, N. Y.
Application May 10, 1950, Serial No. 161,119
7 Claims. (Cl. 160—78)



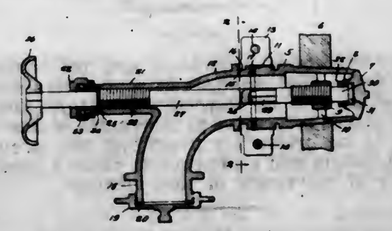
1. Connecting means for an awning having a front cross bar and collapsible side arms including free upper ends, comprising a connecting member having in one end thereof a slot to receive the upper end of the associated side arm, a bolt to fix said arm in said slot, a yoke pivoted to the other end of said member, a threaded stud projecting from the butt of said yoke, and a pipe elbow having said stud threaded into one of its ends and the adjacent end of the front cross bar secured in the other of its ends.

2,567,425
SPEED SIGNAL SYSTEM
John R. Dillon, Raleigh, N. C.
Application June 28, 1949, Serial No. 101,847
4 Claims. (Cl. 177—311.5)



1. An electric light signal for vehicles comprising, in combination, a vehicle, a searchlight mounted on one portion of the vehicle and arranged to project a fixed beam of white light substantially vertically therefrom, a plurality of spotlights mounted on other portions of said vehicles spaced laterally from said searchlight and from one another, said spotlights respectively having red, orange, and green light filters thereon and being angularly disposed with respect to said white beam and with respect to one another so as to project colored light beams in intercepting relationship with said white beam at a spot fixed in height and position with respect to the locomotive substantially above said locomotive, electric circuit means for energizing said searchlight and said spotlights, control means connected with a traction part of said vehicle for producing control impulses proportional in frequency to the speed of said vehicle, and means operated by said control impulses for modulating the spotlight having the orange light filter at a frequency proportional to said speed.

2,567,426
WINE BUNG SCREW VALVE
Abele Ferrari, Healdsburg, Calif.
Application December 6, 1946, Serial No. 714,548
1 Claim. (Cl. 251—156)

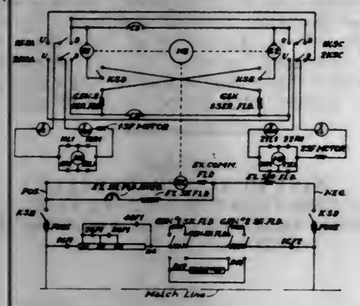


A valve assembly including a hollow body portion adapted for stationary mounting in a tank wall opening, an internally threaded sleeve mounted within the body portion and spaced from the wall thereof to provide a clearance for liquid passing through the body portion and around the sleeve, a solid valve rod threaded in the sleeve and having one end formed noncircularly, a valve disc on the other end of the rod and adapted to seat against one end of the body portion to close the same, a spout, a screw collar swivelled on the spout and threaded on the other end of the body portion, said spout having internal threads identical to the threads of the sleeve, and a valve stem threadedly engaged in the spout and having a noncircular socket at one end slidably and non-rotatably receiving the noncircular end of the valve rod when the screw collar is threaded upon the body portion to connect the body portion and spout, the socket and noncircular valve rod end respectively being of lengths to cause maintenance of the connection for joint rotation therebetween in any position of threaded engagement of the screw collar with the spout, the like threads on the coupled valve rod and stem being disposed at opposite sides of the slidable and non-rotatable connection therebetween and constituting means holding the valve rod and stem against relative longitudinal movement in either direction during threaded advancement and retraction of said valve rod and stem.

2,567,427
SKIP HOIST MOTOR CONTROL
Gordon Fox, Chicago, Ill., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application March 18, 1949, Serial No. 82,239
13 Claims. (Cl. 318—140)

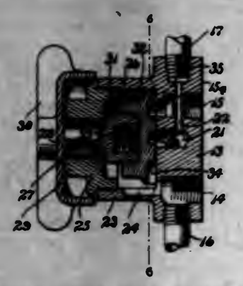
11. In combination, a member to be driven, a first motor, a first generator suitable for supplying said motor, a second motor, a second generator suitable for supplying said second

motor, said motors being mechanically connected to said member, said generators having armatures and series field windings, switch means for connecting said two motors to said generator armatures connected in parallel and for cross-connecting said generator series field windings, or for connecting said two motors separately to



their respective generators and for connecting the series field windings of said generators each in series with its respective armature, and control means responsive to movement of said member to be driven for modifying the circuits of said motors and generators to cause a prescribed cycle of movement of said member.

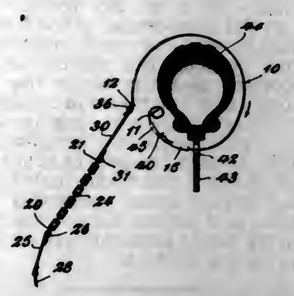
2,567,428
AIR VALVE FOR PRESSURE GAUGES
Leo O. Greeley, Cadillac, Mich., assignor to General Sales Company of Cadillac, Cadillac, Mich., a limited partnership of Michigan
Application March 5, 1945, Serial No. 581,148
2 Claims. (Cl. 251—87)



1. A valve comprising a body having a chamber and a valve seat therein, means for admitting fluid under pressure to said chamber, two spaced outlet ports and a gauge port in said valve seat, a valve movably mounted in engagement with said valve seat, a supply passage in said valve in communication with said chamber and movable into or out of communication with either of said outlet ports and to a closed position between them, and a gauge passage in said valve shaped and positioned to communicate between said gauge port and only the outlet port with which the supply passage is in communication.

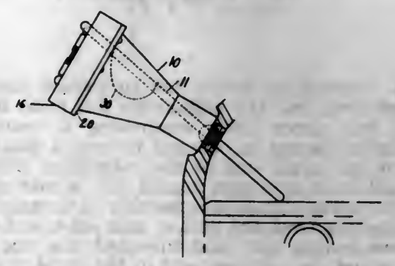
2,567,429
DEVICE FOR APPLYING TIRE CHAINS
Edgar B. Green, Washington, D. C.
Application September 22, 1947, Serial No. 775,451
1 Claim. (Cl. 81—15.8)

A device for applying individual chains to a casing of a vehicle wheel comprising a strip of resilient metal curved to form substantially a single convolution, one end of the strip having an enlargement to limit movement of the strip through a passage in a disk wheel of a vehicle, the other end of the strip having a flat offset



portion provided with a triangularly shaped passage to receive a headed stud fixed to a strap on one end of an individual tire chain and a tubular operating handle slidable on the strip.

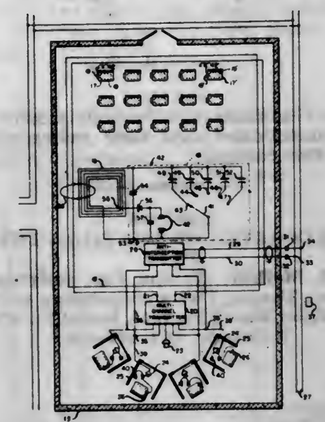
2,567,430
PISTON POSITION INDICATOR
Francis F. Griffiths, Wethersfield, Conn.
Application February 3, 1945, Serial No. 576,085
8 Claims. (Cl. 116—124)



1. In a device of the character described, a supporting structure having means for connecting the same to an engine cylinder, an operating rod carried by said supporting structure for movement relative thereto and extending therebeyond for engagement by a piston within said cylinder, an indicator slide mounted for adjustable movement on said supporting structure and adapted to be engaged and to be moved into a position by said rod indicating maximum movement of the rod relative to the supporting structure, and a scale member slidably adjustable independently of said slide along a line parallel to the line of movement of said indicator slide and having a calibrated scale with which said slide cooperates.

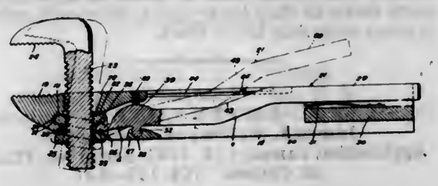
2,567,431
COMMUNICATIONS SYSTEM OF RESTRICTED-RANGE TYPE
William S. Halstead, Purchase, N. Y.
Application May 5, 1947, Serial No. 745,926
10 Claims. (Cl. 250—9)

1. In a system for transmission of electrical signal energy to individuals within a selected seating area, the combination of a signal emitting means disposed adjacent a seating area, said signal emitting means being positioned to produce maximum signal intensity within said seating area, having a plurality of chairs therein, a carrier wave transmitter electrically connected to said signal emitting means, means for modulating said carrier wave transmitter by audio-frequency signal energy corresponding to sounds addressed to occupants of said seating area, at least one carrier wave receiver disposed within said seating area, said receiver having an antenna structure removably disposed on at least one chair in said seating area, means for positioning said antenna structure to effect maximum signal pickup from said signal emitting means,



a tuning head associated with said antenna structure and being a part thereof, said tuning head having a tuning means, a carrier rectifier, tuning and volume controls, means for removably mounting said tuning head on said chair with said tuning and volume controls in a position accessible to the occupant of said chair, and a transducer connected to said tuning head for use by the occupant of said chair to permit individual reception of said audio frequency signal energy.

2,567,432
NUT-FULCRUMED PIVOTED JAW WRENCH
Dozier F. Hasty, Atlanta, Ga.
Application February 12, 1946, Serial No. 647,140
1 Claim. (Cl. 81—80)



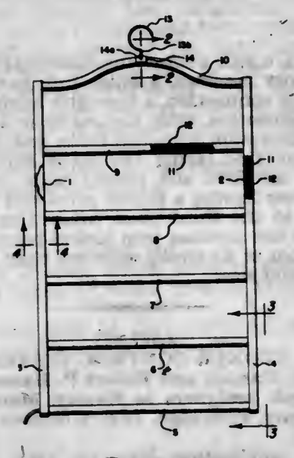
In a wrench, cooperating fixed and movable jaw members, the fixed jaw member comprising a jaw at its forward end and a handle rearwardly of said jaw, said handle being longitudinally slotted, the movable jaw member comprising a jaw confronting the jaw of the fixed member, and a screw unitary therewith perpendicular to said movable jaw extending through a forward slot in said fixed jaw member with tilting play in a fore and aft direction, the lower part of said forward slot being expanded into a nut receiving recess having a transverse groove in its wall forward of said screw, a nut in said recess engaging said screw for operating the latter to adjust the width of the opening between the jaws, said nut having an upper peripheral flange extending into said groove, by the lower wall of which

groove the forward part of said nut is normally supported, said nut being tiltable with said screw, having a point in its upper periphery bearing against the upper wall of said groove as a fulcrum, and a handle for said movable jaw member consisting of a lever fulcrumed intermediate its ends in the longitudinally slotted portion of the handle of said fixed jaw member by means of a transverse cylindrical fulcrum rib on its under side seated in a correspondingly shaped seat in said handle, having its forward end engageable with said peripheral flange at a point rearward of said screw for tilting said nut together with said movable jaw member about said fulcrum to gain clamping pressure upon an object embraced by said jaws, said lever having on its upper side a transversely cylindrical face coaxial with said fulcrum rib and retaining means carried by said handle bearing slidably against said cylindrical face for retaining said lever.

2,567,433
WATER-IN-OIL TYPE EMULSIONS
Gustaf Bristol Heijmer, Stockholm, Sweden
No Drawing. Application February 28, 1948, Serial No. 12,149. In Sweden December 6, 1945
6 Claims. (Cl. 260—21)

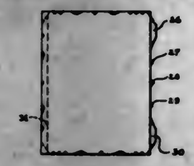
1. A stable emulsion of the water-in-oil type suitable for use as a lacquer and varnish binding agent, said emulsion comprising water as the dispersed phase, a drying oil as the dispersion medium and a water-soluble thermosetting resin as the emulsifying agent, said resin being selected from the group consisting of urea-formaldehyde and melamine-formaldehyde resins.

2,567,434
ELECTRICALLY HEATED CLOTHES DRIER
Alice P. Hoskings, San Diego, Calif.
Application June 25, 1949, Serial No. 101,424
10 Claims. (Cl. 219—19)



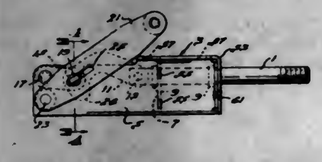
1. In a clothes dryer, a pair of straight substantially U-shaped in cross-section internally insulated vertical members, and a plurality of horizontal tubular members interconnecting said U-shaped in cross-section vertical members, and communicating with the interior thereof said horizontally tubular members spaced from each other a greater distance than the diameter thereof.

2,567,435
CARBON SHEETS, ETC., WITH MARGIN GUIDES
Herman J. Kraus, Pittsburgh, Pa.
Application November 30, 1950, Serial No. 198,268
1 Claim. (Cl. 282—28)



A carbon paper or backing sheet of generally rectangular form having guide tabs on only one vertical edge, one tab being at the horizontal midline of the sheet and the other tabs being in relatively balanced positions above and below the midline tab, the spaces between the tabs being of sufficient width to accommodate the fingers of a user when alining the carbon paper with other sheets, and there being notches in the upper edge of the carbon paper, one of which notches is positioned midway between the vertical edges of the carbon sheet, exclusively of the tabs, there being other notches in said upper edge in relatively balanced positions at opposite sides of the middle notch.

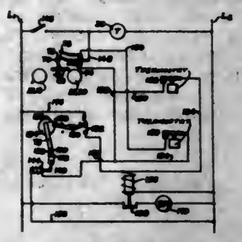
2,567,436
TOGGLE CLAMP
Friedrich W. Lampe, Detroit, Mich., assignor to Lapeer Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 29, 1949, Serial No. 84,227
5 Claims. (Cl. 74—106)



1. In a toggle clamp, the combination of a reciprocatory member, a guide link having a fixed first pivot connection, a bow-link having a second pivot connection with the member and a third pivot connection with the guide link and having a concave side facing the plane defined by the axes of the first and second pivot connections, and a lever having a fourth pivot and operatively secured to the third pivot connection for reciprocating the member into locked positions at opposite ends of its stroke with less than 180° movement of the lever.

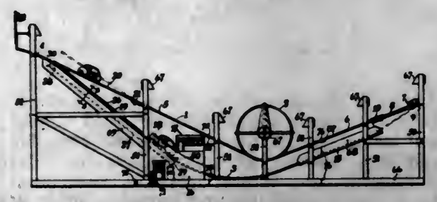
2,567,437
STOKER CONTROL SYSTEM
Harry G. Manson and Robert P. Hansen, Princeton, Ind., assignors to Hansen Manufacturing Company, Princeton, Ind., a corporation of Indiana
Original application May 10, 1948, Serial No. 26,053. Divided and this application March 25, 1949, Serial No. 83,418
9 Claims. (Cl. 236—46)

2. In a stoker control; a stoker motor control relay, a thermostatic switch for controlling said relay during the normal firing operations, a reduced-fire control comprising a switch which closes at intervals to control said relay, a second thermostatic switch for controlling said reduced-fire control, a time switch operable to make said first thermostatic switch and reduced-fire control alternatively effective for controlling said



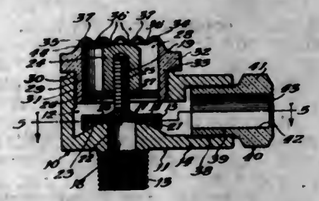
relay, and a single synchronous electric motor connected to drive said time switch and said reduced-fire control.

2,567,438
ROLLER COASTER OF THE LOOP-THE-LOOP TYPE
Charles L. McBride, Tampa, Fla., assignor to Joy Toys, Inc., Tampa, Fla., a corporation of Florida
Application March 15, 1946, Serial No. 654,711
3 Claims. (Cl. 104—55)



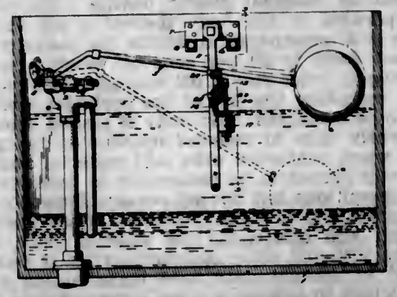
1. An amusement apparatus comprising a plurality of substantially superimposed tracks adapted to support a moving car and having their ends at one end, adjacent to each other, and a section of the end of the upper track being pivotal downwardly to coincide with the end of the lower track, said pivotal section being resiliently biased upwardly and latched in alignment with said upper track, a buffer on said pivoted section to receive the impact of a car, and means actuated by said buffer upon impact of a car to release said latch and to cause said section to pivot down to said lower track to permit said car to move onto said lower track.

2,567,439
SAFETY VALVE
James J. McKeague, Chicago, Ill.
Application January 18, 1947, Serial No. 722,773
22 Claims. (Cl. 137—53)



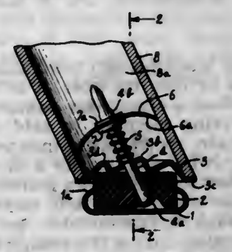
1. A safety valve comprising a valve housing having an inlet and an outlet for gas or vapor under pressure, a rupturable wall extending across the said outlet, a valve seat disposed about the said inlet, valve means movably mounted in the said valve housing and including a movable valve member adapted to seat upon the said valve seat so as to close the said inlet, and the said safety valve comprising a diaphragm cap member mounted upon the said valve housing and including an elastic flexible diaphragm extending thereacross and normally bearing upon the said valve means to urge the said movable valve member into sealing engagement with the said valve seat so as to close the said inlet opening, the said diaphragm cap member including a substantially annular clamping flange formed as an integral part thereof and surrounding and of substantially greater thickness than the said elastic flexible diaphragm.

2,567,440
VALVE CONTROL MEANS
Frank A. Miller, Yakima, Wash.
Application September 5, 1946, Serial No. 694,974
5 Claims. (Cl. 137—104)



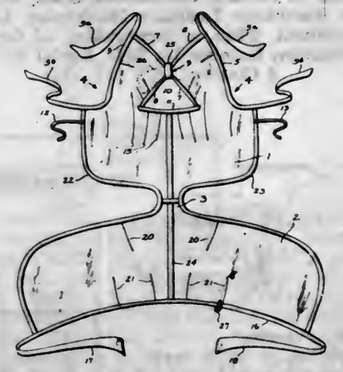
4. Means for controlling movements of a vertically movable operating lever comprising a guide, means for mounting the guide vertically in position to direct vertical movements of an operating lever, a member carried by and projecting laterally from said guide, a weighted rod pivotally carried by and depending from said member, a trip lever pivoted to said member and extending transversely of the guide and having an inner arm extending across the guide in position for engagement by the operating lever to interrupt downward and upward movement of the operating lever, and an outer arm adapted for engagement with the weighted rod to swing the said rod upwardly out of its normal position during upward movement of the operating lever.

2,567,441
FURNITURE LEG GLIDER
Robert E. Miller, Bronxville, N. Y.
Application September 22, 1950, Serial No. 186,131
16 Claims. (Cl. 16—42)



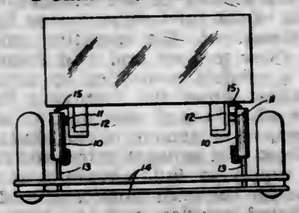
1. A mount for insertion in a hole in the bottom of a furniture leg, which comprises a floor-engaging element, a cushion secured to said element and positioned thereon to lie between the bottom of the leg and said element, a washer overlying the cushion and supported thereon, the washer having a peripheral portion engageable with the bottom of the leg around said hole and also having an opening in its central portion and a seat surrounding the opening, an assembly pin projecting upward from the cushion and through said washer opening, a compression spring coiled around the pin and engaged at its lower end on the seat, a polygonal flexible retainer on the pin having corners protruding laterally from the pin and engageable with the side walls of the leg hole to retain the mount on the leg, and a keeper on the pin for holding the retainer down against the spring, whereby the spring is compressed between the retainer and said seat.

2,567,442
BATHING GARMENT
Alex Mitchell, Portland, Oreg.
Application November 8, 1946, Serial No. 708,710
7 Claims. (Cl. 2—67)



1. A one-piece garment of the character described comprising a front waist portion, the marginal edges thereof defining front arm and neck indentations, strap members secured intermediate their ends to the lateral edges of said waist portion and having free extensions thereof projecting from the upper and lower ends of said waist portion for securing the latter about the neck and waist, respectively, of the wearer, a lower front portion extending from said waist portion, a lower back portion joined to said lower front portion by a narrow crotch section, and fastening members extending from the edges of said lower back portion for securing said garment about the waist of the wearer.

2,567,443
WHEEL GUARD WITH SIGNAL MEANS
Thomas James O'Meara, Ottawa, Ontario, Canada
Application April 18, 1949, Serial No. 88,108
1 Claim. (Cl. 177—311)



A vehicle wheel guard comprising a pair of cylinders pivotally suspended from the frame of the vehicle for swinging movement in a direction longitudinally of the vehicle frame, pistons mounted to reciprocate in said cylinders having

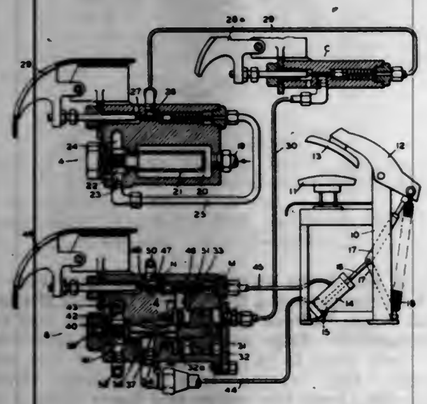
piston rods extending from the bottom of the cylinders, bumper bars attached to said piston rods extending transversely of the vehicle, a fluid pressure line connected to the upper end of said cylinders, a spring closed valve in said fluid line to control the flow of fluid to and from said cylinders, solenoid actuated means for unseating said valve to admit fluid into said cylinders to move the pistons downward to lower the bumper bars, a spring below said pistons for moving said pistons upward to raise the bumper bars when the fluid pressure is released, and signal means actuated by the swinging movement of said cylinders when the bumper bars strike an obstacle.

2,567,444

CONTROL MECHANISM FOR THE FLUID PRESSURE OPERATING MOTOR OF PRESSING MACHINES

Edmund N. Neckel, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application October 16, 1948, Serial No. 54,988
6 Claims. (Cl. 121—38)



1. Control mechanism for the fluid pressure operating motor of a pressing machine, comprising inlet and exhaust valves having unison movement, means biasing said inlet valve to closed position and said exhaust valve to open position, means providing a chamber having an exhaust port, said exhaust valve being movably mounted in said chamber and closing said exhaust port when in closed position, an abutment in said chamber movable therein toward and from said exhaust valve, operator operated means for supplying fluid pressure to one face of said movable abutment to cause said abutment to move toward said exhaust valve and to thereby effect the closing of the exhaust valve and the opening of the inlet valve, means for supplying fluid pressure to the operating motor when said inlet valve is open and said exhaust valve is closed, a conduit controlled by actuation of said operating motor for supplying fluid pressure to the other face of said movable abutment, with consequent movement of the abutment in a direction from said exhaust valve, and for simultaneously supplying fluid pressure to said exhaust valve for the maintenance of said exhaust valve in closed position and the inlet valve in open position, and operator operated means for effecting the movement of the exhaust valve to open position and the inlet valve to closed position.

2,567,445

METHOD OF MEASURING THE pH OF AQUEOUS LIQUIDS, MOIST FOODSTUFFS, AND THE LIKE

Elizabeth W. Parker, Washington, D. C.

Application August 21, 1946, Serial No. 692,113
2 Claims. (Cl. 23—230)



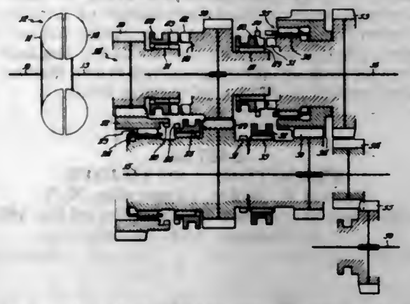
1. The process of measuring the pH of aqueous liquids, moist foodstuffs and the like, which comprises holding in direct contact with a moist material whose pH is to be measured a thin body of transparent, semi-permeable, hydrophilic, water-insoluble colloidal plastic having uniformly incorporated in the body thereof a pH indicator dye in a concentration within the range of from about 0.005 to 20 per cent by weight; said dye changing color due to pH change over a range of pH including the pH of the material whose pH is to be measured; said body of plastic being sufficiently thin to respond quickly to changes of pH when contacted with said material and sufficiently porous to be permeable to hydrogen and hydroxyl ions but having pores sufficiently small substantially to hinder diffusion of the dye molecules; and comparing the color of said plastic body with pH color standards after it has been held in contact with said material for a time sufficient to assume a color corresponding to the pH of said material.

2,567,446

AUTOMATIC TRANSMISSION

John B. Polomski, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application October 30, 1944, Serial No. 561,044
22 Claims. (Cl. 74—368)



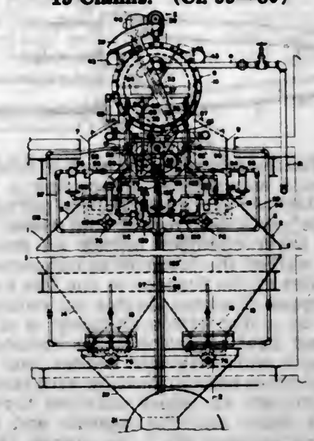
1. In power transmission mechanism, the combination of a driving member, a driven member, means including a clutch for completing a drive from said driving member to said driven member at a certain speed ratio, means including a one-way clutch for completing a drive from said driving member to said driven member at a slower speed ratio when said first named clutch is disengaged, said driven member being driven in the same direction during the completion of either of said drives, and means rendered effective, when said first named clutch is engaged, for preventing an engagement of said one-way clutch whereby to prevent a jamming lock up of both of said clutches when torque other than that derived from the driving member is applied to said driven member in the opposite direction.

2,567,447

FEED DEVICE

Charles H. Ramsden, Oakland, and Alva B. Court, San Francisco, Calif., assignors to Rice Growers Association of California, Sacramento, Calif., a corporation of California

Application May 10, 1947, Serial No. 747,240
15 Claims. (Cl. 99—80)



1. In combination with a pressure steamer having an inlet at one end and a discharge outlet at the other end and means for supplying steam thereto for creating a predetermined steam pressure within said steamer, means for causing continuous movement of material into said steamer through said inlet and through said steamer and said outlet, means for sealing said steamer against substantial loss of pressure during said movement of said material, said means including a pair of enclosed chambers adjacent said outlet, enclosed passageways respectively connecting said chambers with said outlet, and means for alternately diverting material from said steamer into one or the other of said passageways for discharge into one or the other of said chambers.

10. The method of steaming rice paddy at a predetermined pressure in a continuous feed system that comprises the steps of: moving a body of rice paddy and water in one general direction in an enclosed path of travel and filling said path to a predetermined point therein with said body whereby said path to said point will be sealed against passage of steam therepast in a direction counter to said movement, continuing movement of said paddy through an enlarged space in said path, maintaining a predetermined steam pressure above that of the atmosphere in said enlarged space and displacing said water by steam from said space at said point, discharging said paddy continuously from said enlarged space while retaining said steam pressure in the latter.

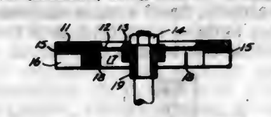
2,567,448

FLEXIBLE ROTOR

Frederick Rickerich, Jr., Morsemere, and Nelson J. Edge, Jersey City, N. J., assignors to Colloid Corporation of America, Jersey City, N. J., a corporation of Delaware

Application June 22, 1946, Serial No. 678,642
6 Claims. (Cl. 241—296)

1. In a rotary grinding apparatus of the type comprising a hub, a rim and a flexible web connecting said hub and said rim, the center of gravity of said rim being located on the opposite side of said web from the grinding face of said rim, the improvement consisting in said rim being divided by cuts extending forwardly from the rear surface thereof, said cuts further extending



substantially from the inner to the outer circumference of said rim at said rear surface, said cuts being inclined to radii of said rim, and alternate cuts being oppositely inclined.

2,567,449

TELEPHONE PAD ATTACHMENT

Harry Sherman, Brooklyn, N. Y.

Application May 20, 1948, Serial No. 28,210
1 Claim. (Cl. 40—10.5)



In a telephone pad attachment having a bracket for encircling the base of a telephone and a plate upon one side of which a pad is mounted and upon the other side of which a telephone number index book is mounted, the bracket at the front of the base having outwardly directed horizontal arm portions, said arm portions continuing at their outer ends into upwardly directed end portions, means pivotally mounting one edge of the plate between said end portions to be pivoted rearwardly to a position overlying the base to expose the pad or pivoted to a position extended forward from the base to expose the index book, means supporting the plate in its position overlying the base, and means supporting the plate in its position extended forward from the base, said first supporting means comprising plates projected rearwardly from said arm portions and upon which the plate rests.

2,567,450

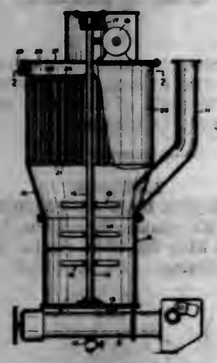
FINES SEPARATION

Marion Wallace Smith, Bay Village, and Frederick W. Weigel, Fairview Village, Ohio, assignors to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio

Application February 13, 1948, Serial No. 8,086
3 Claims. (Cl. 210—51)

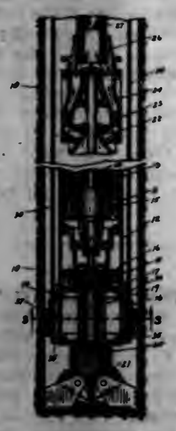
2. Apparatus for separating fine solid particles from a fluid in which they are suspended comprising a vertically disposed separating chamber of elongated character provided with means subdividing it into a relatively large number of elongated channels each of cross sectional area which is small in comparison with that of the chamber as a whole, said elongated channels being all parallel to each other and to the length of said chamber, and occupying the complete cross sectional area of the chamber, a supply reservoir coaxially disposed with respect to said chamber and beyond one end thereof, said channels extending from a supply end of said chamber in communication with said reservoir to a discharge space at the other end of said chamber remote from said supply end, means for supply-

ing solid-carrying fluid to said supply reservoir, means for withdrawing clarified fluid from said discharge space, whereby to cause flow in parallel along all channels, fixed means disposed adjacent the discharge ends of said channels for retarding fluid flow along the length of each of said chan-



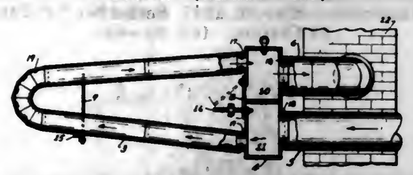
nels at a rate of movement less than that of the motion of separation by variation in density of the solid particles from the fluid, whereby solid particles in the channels travel oppositely to the direction of fluid flow for collection in the supply reservoir, and means for removing the collected solids from the supply reservoir.

2,567,451
DRILLING APPARATUS
William H. Smith, Sullivan, Ind.
Application September 14, 1948, Serial No. 49,159
6 Claims. (Cl. 255—4.8)



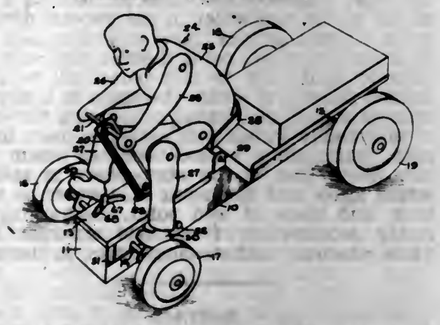
1. A drilling apparatus of the rotary type adapted to be positioned at the end of a well casing, including a motor driven pumping and cutting unit of generally cylindrical form and of less diameter than said casing to provide a space thereabout and within said casing for the passage of cuttings, said unit comprising an electric motor having an axially disposed shaft driven thereby, an expanding cutter secured to the lower end of said shaft, a turbine pump rotatable with said shaft having its intake communicating with said space, and a discharge connection communicating with said pump to extend through said casing for delivering cuttings from said space above ground during the drilling operation.

2,567,452
SUPER-HEATER FOR FURNACES AND THE LIKE
Robert S. Strahan, Watertown, Mass.
Application February 18, 1948, Serial No. 9,285
1 Claim. (Cl. 257—164)



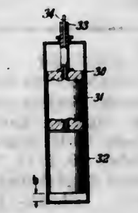
A superheater for application to a furnace or the like, said superheater comprising a header divided interiorly by a horizontal partition to provide the same with upper and lower chambers, said lower chamber having an inlet provided in a wall of the latter to be connected with the gas outlet of the furnace or the like by a flue and said upper chamber having an outlet to be connected by a flue with a chimney; a plurality of U-shaped heat-radiating tubes connected at their opposite ends with said header, one end of each of said tubes communicating with said lower chamber through an outlet provided through a wall of the latter and the opposite end of said tube communicating with the upper chamber through an inlet provided through a wall of the latter; a second outlet provided through a wall of said lower chamber; a second outlet provided through a wall of said upper chamber; a single valve pivotally mounted upon the exterior of said header in position to close said two second outlets, and means normally and yieldingly holding said valve in position against said header where it closes both of said second outlets so as to adapt the latter to be opened automatically by abnormally high pressure within the header.

2,567,453
PUMPMOBILE TOY
Carl Alfred Swenson and Philip R. Swenson, Loves Park, Ill.
Application June 3, 1950, Serial No. 165,956
8 Claims. (Cl. 46—107)



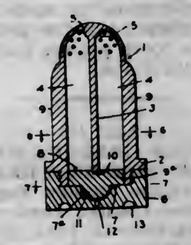
1. A toy vehicle having, in combination, a frame, a power driven motor on the frame for propelling the vehicle, a wheeled support for said frame including a horizontal front axle mounted on the frame to oscillate about an upright swivel axis, an upright handle pivoted on said frame intermediate the ends of the latter to swing back and forth longitudinally of the frame, a figure having its body pivoted on said frame and having swingable arms pivotally connected to said handle, said figure having jointed legs with feet pivotally connected to said axle at points spaced along the latter, a member reciprocable longitudinally of said frame, means pivotally connecting said member to said handle and operable to swing the latter forwardly and backwardly and rock said figure through the medium of said arms during reciprocation of the member, means pivotally connecting said member to said axle at a point spaced from said axis to oscillate the axle and thereby flex said legs during reciprocation of the member, and mechanism on said frame operable during forward movement of said vehicle to reciprocate said member.

2,567,454
PROCESS OF AND APPARATUS FOR HEAT PUMPING
Krijn Wijbren Taconis, Leiden, Netherlands
Application March 2, 1950, Serial No. 147,205
In Sweden October 6, 1947
15 Claims. (Cl. 62—136)



1. A process for producing refrigeration which comprises providing a confined body of gas under pressure and at an initial high temperature; cooling at least a portion of the gas to a relatively low temperature at constant total volume to reduce the pressure, thereby inducing refrigeration in said portion and in the remainder; heating said portion while cooling said remainder, both at constant pressure to an intermediate temperature; heating said gas from the intermediate temperature to said initial high temperature; and abstracting for use a substantial amount of the refrigeration induced in said portion.

2,567,455
COMBINATION PEPPER-AND-SALT SHAKER WITH TWO-PIECE BOTTOM CLOSURE
Michael E. Varga, Baltimore, Md., assignor of forty-five per cent to Edward F. Hyatt, Shelbyville, Tenn.
Application August 9, 1949, Serial No. 109,378
1 Claim. (Cl. 222—142.4)



In a device of the class described, the combination of a container open at its bottom and provided with a vertical partition, said partition producing two compartments in said container, a base threaded onto the open end of said container, said container provided with an annular flange against the inner face of said base, said base provided with a large pocket and with a dished socket in said pocket, said base provided with a vent opening communicating with said dished socket, a disc stopper in said container and base, said disc stopper comprising a body having a transverse groove in its upper face, said transverse groove receiving the outer end of said partition, said stopper also provided with a depending stem at right angles to said transverse groove, and said stem normally seated in the dished socket of said base.

2,567,456
METAL CLEANING COMPOSITION AND PROCESS
Hugh Graham Webster, Detroit, Mich., assignor to J. H. Shoemaker, Detroit, Mich.
No Drawing. Application April 7, 1947, Serial No. 739,961
4 Claims. (Cl. 134—3)

1. Descaling and degreasing composition for grease and scale coated alkali resistant metals for use in molten bath form comprising a mixture of about nineteen parts by weight of alkali metal hydroxide, about nineteen parts by weight of alkali metal nitrate and about one part by weight of alkali metal chloride.

3. A two step non-electrolytic process for cleaning the surfaces of alkali resistant metals, having substantial amounts of oxidizable organic materials thereon, such as oils, greases etc., as well as oxidized portions of the metal, such as scale etc., to be removed, wherein each step is in the nature of a chemical reaction, and wherein the second step leaves no added finish to the surface, and wherein the first step comprises immersing the metal in a bath comprising a molten mixture of approximately 19 parts by weight of alkali metal nitrate, approximately 19 parts by weight of alkali metal hydroxide and approximately 1 part by weight of alkali metal chloride, for a period of time sufficient to remove any organic surface impurities and convert inorganic surface impurities to an oxidized coating, more readily soluble than were the original inorganic impurities, the operating temperature of the first bath being above the melting point of the molten mixture, and wherein the second step comprises immersing the metal in a bath of a dilute acid selected from the class consisting of hydrochloric and sulphuric acids, whereby when the metal is immersed therein for a proper period of time, the bath will react chemically with the oxidized coating to remove it, so as to leave the surface free of the original impurities and of the oxidized coating as well, the second step, however, being such as not to expose at the surface other impurities, not previously existent, or not previously exposed, thus leaving the surface free of all impurities and consisting solely of the metal, the immersion in the second bath being sufficiently brief so as not to permit the acid to attack the metal, but merely to remove the oxidized coating formed by the first step.

2,567,457
CAN OPENER
Winfred W. Weller, Likely, Calif.
Application September 22, 1950, Serial No. 186,243
6 Claims. (Cl. 30—6.1)

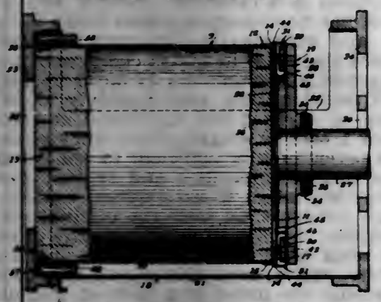
1. A device of the character described comprising a bracket having integrally formed upper and lower wall-engaging arms and a vertically extending base plate adapted to be held in spaced relation to a wall by said arms, each of said arms having an integrally formed foot, a handle pivotally connected at its inner end to the upper end

of the base plate, a blade carried on the underside of said handle adjacent its inner end, a vent punch carried on the underside of said handle in spaced relation and outwardly from said blade, a



can-supporting platform at the lower end of said base plate, and means for allowing said handle to assume a substantially vertically dependent position.

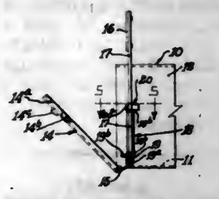
2,567,458
MOUNTING MEANS FOR BULK ICE-CREAM CONTAINERS
Merle J. West, Los Angeles, Calif., assignor to Irving King, Los Angeles, Calif.
Application May 7, 1949, Serial No. 91,958
5 Claims. (Cl. 222—326)



1. The combination with a tubular container of bulk material and having one closed end and a metal ring around said closed end, of a chuck unit engaging said ring to mount the container thereon, said chuck unit being projectable in a direction to discharge the material of said container from the opposite end thereof, a wall in the path of projection movement of the container and material and having an opening through which said material is projected, and a U-sectioned annulus carried by the wall to roll back the open edge of the container during projection movement thereof.

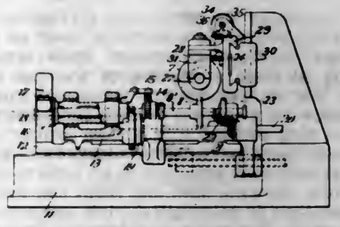
2,567,459
OPERATOR FOR FLAG SIGNAL
Moses J. Yoder, Hutchinson, Kans.
Application May 16, 1949, Serial No. 93,449
2 Claims. (Cl. 232—35)

2. An operating unit for a flag signal comprising a rotatable rod carrying said flag, a stationary bracket for said rod secured to a stationary support comprising spaced vertically aligned perforated ears, said flag-carrying rod extending through both of said ears and being rotatable therein, a spring adapted to actuate said rod, and an angularly bent L-shaped retainer fixed to said rod, said flag and rod being rotatable as a unit against the resistance of said spring to position said flag in a selected position and present one leg of said retainer into position for retainment by a manually movable element, the other leg of said retainer adapted to function as a stop to



position said flag transversely to said selected position when said element is manually moved and said first-mentioned leg is released therefrom to permit said spring to rotate said rod to thereby cause said other leg to engage a stationary support and thereby retain said flag in said transverse position.

2,567,460
MACHINE FOR GRINDING GEAR WHEELS
Albert Aeppli, Zurich, Switzerland, assignor to Maag-Zahnrader und -Maschinen Aktiengesellschaft, Zurich, Switzerland
Application September 10, 1948, Serial No. 48,554
In Switzerland September 17, 1947
5 Claims. (Cl. 51—123)

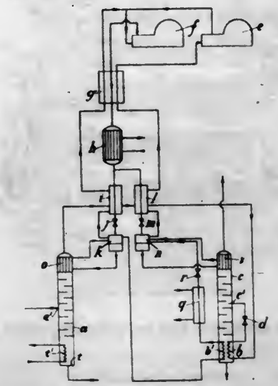


1. In a gear grinding machine for producing the tooth-profile on the work by means of relative rolling motion between the work and the grinding tool, two grinding wheels, a work carrier, work carrier drive elements, means for generating a normal involute motion relative to the grinding wheels and applying said motion to said work carrier drive elements, deflector means operatively connected to the grinding wheels for intermittently displacing the grinding wheels in the direction of the straight rolling off line, and cam discs acting on the deflector means and performing one revolution for each double passage of the rolling distance of the generating means so as to produce tooth profiles partially deviating from the involute shape.

2,567,461
SEPARATION OF GASEOUS MIXTURES AT LOW TEMPERATURES
Alfred August Aicher, London, England, assignor to Petrocarbon Limited, London, England
Application February 12, 1948, Serial No. 7,747
In Great Britain February 19, 1947
7 Claims. (Cl. 62—175.5)

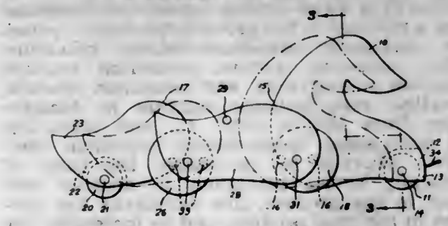
1. In the fractionation at low temperatures of a mixture of gases in a plurality of fractionating columns connected in series and operating at successively lower pressures and provided with reflux condensers and reboilers; the process of supplying cold and heat to said condensers and reboilers which comprises passing a

compressed and cooled refrigerant liquid in a closed circuit through a reflux condenser of one fractionating column whereby the refrigerant liquid is evaporated and cold supplied to the condenser, passing at least part of the resulting refrigerant vapor through the reboiler of a succeeding fractionating column whereby the re-



frigerant vapor is condensed and heat is supplied to the reboiler, expanding the thus reliquefied refrigerant to a lower pressure and passing it through the reflux condenser of said succeeding fractionating column, whereby the reliquefied refrigerant is evaporated and cold is supplied to the reflux condenser of said succeeding column.

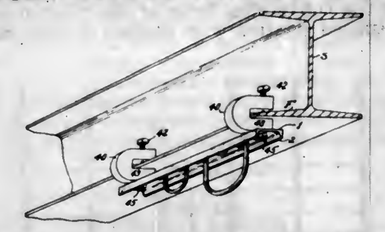
2,567,462
WHEELED TOY
Marjorie E. Ashworth, Upper Montclair, and Patsy S. Ciccone, West Orange, N. J.
Application April 29, 1948, Serial No. 24,065
2 Claims. (Cl. 46—103)



1. In a toy, a front body member, a rear body member, side members linking the front and rear members, wheels concealed behind the side members, and eccentric journals by which each wheel carries a body member and a link member eccentrically.

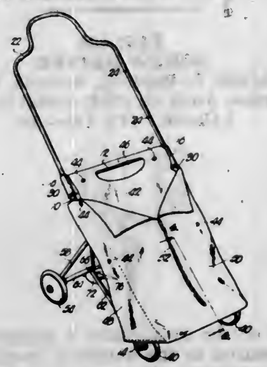
2,567,463
CONDUIT HANGER
Earl B. Atkinson, Bay Village, Ohio
Application July 15, 1948, Serial No. 38,846
3 Claims. (Cl. 248—68)

1. The combination with a plurality of conduits of different sizes, of supporting means therefore comprising a channel member having a web and parallel side flanges, and having aligned elongated openings of uniform size in the web, a plurality of U-bolts of various sizes each adapted to embrace a corresponding size of conduit, means for securing the channel member to a structural support and spaced outwardly therefrom, nuts for the U-bolts, said spacing permitting placing the nuts and tightening them in position on the U-bolts and said elongated openings being of such length and separated such distances that the smallest U-



bolt may embrace any two adjacent openings, and the largest U-bolt may enter the outer portions of alternate openings.

2,567,464
FOLDING CARRIAGE
William Payne Bancroft, Omaha, Nebr.
Application December 18, 1948, Serial No. 66,057
10 Claims. (Cl. 280—41)

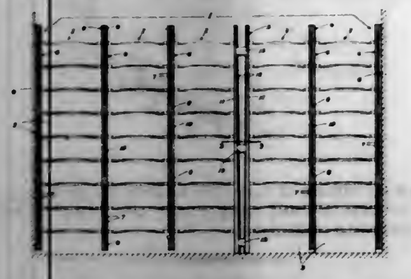


1. In a stroller or the like, an inverted U-shaped main frame inclined forwardly downward and having at its lower end a wheel supporting axle, a seat between the sides of the frame and supported on said sides at a point spaced upwardly from the axle, legs hinged to the sides of the frame at a point above said seat, said legs extending rearwardly downward from the hinge and carrying wheels at their lower ends, a toggle link comprising a pair of bars hinged together with one end of the toggle connected to the lower part of a rear leg and the other end of the toggle connected to the lower part of the main frame, and spring means always urging the toggle hinge upwardly.

2,567,465
BOX-STACK SPACER FOR FREIGHT CARS
Roswell P. Barbour, Lodi, Calif.
Application April 9, 1945, Serial No. 587,345
2 Claims. (Cl. 105—369)

1. In combination with stacks of containers disposed in a carrier, a spacer for such stacks, such spacer comprising two elongated rails disposed vertically and facing each other between opposed ends of the stacks of containers, such rails being of a height to rest upon the floor of the carrier and to extend to substantially the top of the stacks, the outer faces of the rails being in substantial parallelism with the ends of the stacks, the inner faces of the rails converging

downwardly toward each other for their full length from top to bottom thereof, and a plurality of wedges of different widths interposed between the converging faces of the rails in vertically spaced relation with respect to each other;



the rails and wedges being provided with coacting tongue and groove surfaces effective to maintain the wedges in properly guided vertical relation between the rails.

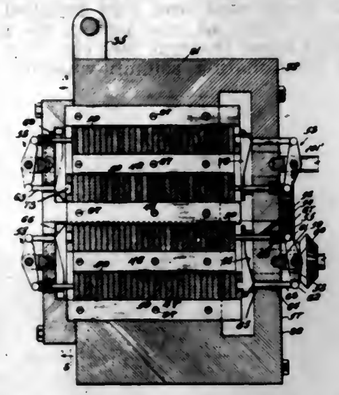
2,567,466
SCREW DRIVER
Robert L. Bartlett, Atlanta, Ga.
Application April 22, 1946, Serial No. 664,045
1 Claim. (Cl. 145—50)



A screw driver comprising a gripping member, a blade secured to the gripping member, a driving bit transversely disposed with respect to the blade at the free end of the blade, said driving bit being generally of tapered form, an enlargement extending laterally from each bit face and spaced a material distance from the bit end, each enlargement having a planar bottom face extending at right angles to the axis of the screw driver and the upper face of each enlargement being inclined upwardly and inwardly from said planar face with its upper end merging into the face of the bit, the said enlargements being adapted to fit in a similarly shaped groove in the screw head with the bit end extending into a channel below the groove so that turning of the screw driver will anchor the screw, the said planar faces of the enlargements being adapted to rest on the top of the screw above the groove whereby the bit end will project a sufficient distance into the channel to complete driving of the screw.

2,567,467
DRAWING FRAME
Ralph C. Berker, Hoxsie, R. I.
Application April 22, 1947, Serial No. 743,023
11 Claims. (Cl. 19—129)

7. A gill-drawing apparatus comprising oppositely spaced bearing members, a plurality of fallers extending between said members and in contact with each other and with the end portions thereof slidably mounted in said bearing members for movement lengthwise thereof and means including a pin slidably mounted for reciprocal linear movement for engaging and applying a pushing action to the end faller in a path of travel thereof to be transmitted through



one faller to another for advancing said fallers in said path of travel.

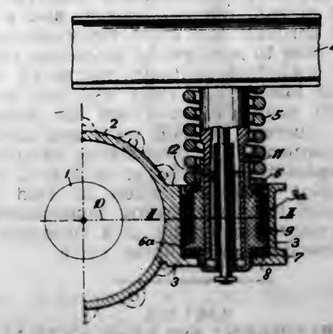
2,567,468
PROCESSES FOR MAKING ACTIVATED CARBON
Ernst Berl, deceased, late of Pittsburgh, Pa., by Walter George Berl, executor, Pittsburgh, Pa.
No Drawing. Original application September 23, 1942, Serial No. 459,438. Divided and this application April 27, 1948, Serial No. 23,615
14 Claims. (Cl. 252—444)

1. The steps in the process of making activated carbon, comprising heating a mixture of a potassium salt of a water-soluble tar acid from the production of oil products and of a carbonaceous material to 300–600° C., afterwards intimately mixing the thus formed product with a controlled amount of a water-soluble potassium compound being a member of the group consisting of potassium carbonate, potassium sulfate, potassium sulfite, potassium sulfide, potassium cyanide, potassium sulfocyanide, and potassium cyanate, activating said intimate mixture at temperatures from 800 to 1200° C., and extracting said last-named water-soluble potassium compound; whereby by increasing the ratio of chemically bound potassium to organic substance in the product, fine capillaries are produced in the final product, and by increasing the ratio of chemically bound oxygen to organic substance in the product formed by the first heating step the apparent density of the final product is lowered.

2,567,469
AXLE-BOX SPRING MOUNTING FOR RAIL VEHICLES
Gaston Borgeaud and Jakob Waldvogel, Winterthur, Switzerland
Application July 24, 1947, Serial No. 763,322
In Switzerland February 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 8, 1963
4 Claims. (Cl. 267—33)

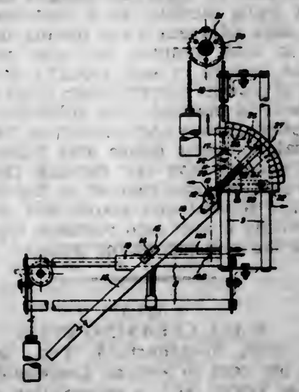
1. An axle-box spring mounting on the underframe of rail vehicles, comprising an axle-box in which the axle is journaled, said axle-box having on each side a horizontal arm integral therewith, the free-end portion of each said arm being provided with a vertical bore, a hollow vertical stud fixed to said frame on each side of the axle box and projecting into the respective

bore, helical springs interposed between said frame and the respective arms for transmitting the pressure from said frame onto said arms and axle box, metallic bushes each inserted into the respective said two bores and closed at their lower ends to form a lubricating-oil bath, the



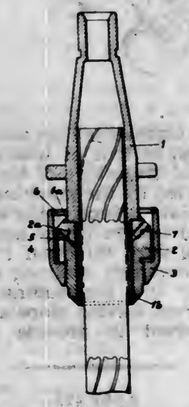
said bushes slidably engaging the said studs, and rubber bushes each surrounding the respective metallic bushes and located in the bores of said arms, said studs as well as the rubber bushes extending above and below the level of the axle-center.

2,567,470
RELAYING AND INDICATING MEANS USABLE WITH RACE TOTALIZATORS
Edward Thomas Both, Cremorne, near Sydney, and Frederick Spencer Grace, Meadowbank, near Sydney, New South Wales, Australia, assignors to Automatic Totalisators Limited, Meadowbank, near Sydney, New South Wales, Australia, a company of New South Wales, Australia
Application September 16, 1948, Serial No. 49,634
In Australia September 24, 1947
2 Claims. (Cl. 235—61)



1. A relaying and indicating means for use in race totalisators comprising, a transmitter potentiometer coil and a receiver potentiometer coil connected in parallel across the direct current line thereby to constitute a Wheatstone bridge resistor network, a movable contact arm associated with said transmitter coil, means for moving said contact arm in correspondence with value variations, a second movable contact arm associated with said receiver coil, a moving coil relay connected between said contact arms therewith to constitute a bridge conductor for said network, an indicator shaft whereon said second contact arm is fixed, a display element on said shaft, a pair of oppositely toothed ratchet wheels fixed on said shaft, a movable switch arm operable by said moving coil relay, a pair of stationary contacts alternatively contactable by said switch arm, a pair of solenoids respectively connected to said stationary contacts, and a pair of spring-loaded pawls respectively associated with said ratchet wheels and respectively operable by said solenoids.

2,567,471
COLLET CHUCK
Sven Albin Coligert and Olle Gotthard Nordqvist, Karlskoga, Sweden
Application January 12, 1948, Serial No. 1,868
In Sweden January 13, 1947
8 Claims. (Cl. 279—41)

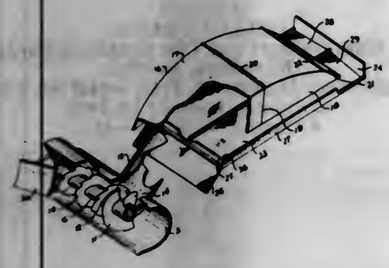


1. Chuck for tightly securing drills, cutters and other tools comprising a hollow chuck-body having a thin-walled cylindrical part for receiving the tool, a relatively thick-walled outer sleeve concentrical with said part, said outer sleeve being at its ends fixed to the cylindrical part by means of welded seams to provide a fluid-tight closure, said part and said sleeve forming between themselves an annular space for a pressure medium, a number of axial recesses in the outer sleeve, communicating through channels with said annular space and also containing pressure medium, pistons fitting accurately in said recesses, and a ring, which is threadedly engaged with the outer sleeve to depress said pistons for causing the pressure medium to expand the thin-walled cylindrical part into firm engagement with the tool, when said ring is screwed home in relation to said sleeve.

2,567,472
MEANS FOR CONDITIONING GRANULAR AND LIKE MATERIALS
Roy Carleton Crandall, Tillsonburg, Ontario, Canada
Application January 31, 1947, Serial No. 725,633
In Canada January 7, 1947
4 Claims. (Cl. 209—262)

1. In a conditioning machine for granular and like materials including at one end thereof an upwardly directed chute having an inlet at its lower end and an outlet at its upper end, and means adjacent said inlet for projecting through

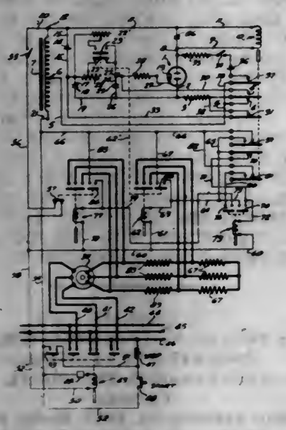
the chute by centrifugal force an aerated stream of said material, a deflector plate carried by the machine, and having one end overlying and in spaced relation to the chute outlet and its other end extending towards the other end of the machine, the lower surface of said plate being concave and disposed in intersecting relation with the normal trajectory of said stream as it emerges from the chute outlet to deflect the stream downwardly, said plate consisting of a forward section and a rearward section hingedly joined together along a transverse line, said sections being upwardly swingable out of intersecting relation with the normal trajectory of the stream, and a flat screen carried by the machine directly below said deflector plate to receive the stream deflected therefrom, said screen being longitudinally inclined in an upward direction from said chute outlet and transversely inclined in a downward direction from the longitudinal axis of the screen, said screen having stops at the sides and lower end thereof to provide scrap-receiving pockets.



2,567,473
TIME INTERVAL CIRCUIT

Albert J. Dawe, Milwaukee, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application December 13, 1946, Serial No. 716,038
8 Claims. (Cl. 175—373)

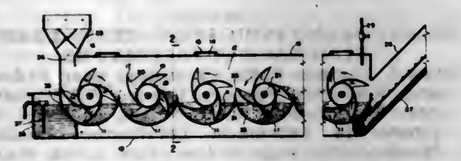


1. In an interval timing circuit a current source adapted to be controllably activated; a grid-glow tube having main electrodes and a grid; a charging circuit for said grid including a resistor and a grid charging capacitor; said capacitor being connected on one side to one of the main electrodes of said tube and to one side of said current source and connected on its other side through said resistor to the other side of said current source to said current source and to said grid for charging the same to a striking potential at a pre-determined interval after activation of said current source; and a relay connected through said main electrodes of said grid-glow tube to a source of actuating current, said relay including contacts interposed in the connections joining said relay with said actuating current source to interrupt the supply of actuating current for said relay and including contacts connected in discharging relationship to said capacitor to discharge said grid charging capacitor upon excitation of said relay, whereby said relay on closing immediately reopens to restore the circuit to a condition permitting repetition of a timing cycle.

2,567,474
COUNTERCURRENT SOLVENT EXTRACTOR

George R. Fitts, York, Pa., and Frederick G. Low, Newark, Del., assignors, by direct and mesne assignments, to Read Standard Corporation, a corporation of Delaware

Application July 2, 1947, Serial No. 758,520
5 Claims. (Cl. 23—270)



1. In a countercurrent solvent extraction apparatus, a series of troughs arranged side by side and forming the bottom of an extraction chamber, each pair of adjacent troughs having their adjacent walls meeting in a common top edge portion, said adjacent walls having passageways formed in said common top edge portion and above the bottom of said troughs providing for the flow of solvent therethrough from one trough to the next to maintain the solvent at the level of said passageways and conveying means rotating in said troughs above and below the level of said passageways for moving the material through said troughs counter to the direction of flow of the solvent and above said passageways for depositing it over said common top edge portions into the next succeeding trough.

2,567,475
WALL CLEANING PLUG

Jesse E. Hall, Weatherford, Tex., assignor of ninety per cent to Nevada Leasehold Corporation, Las Vegas, Nev., a corporation of Nevada, and ten per cent to Parker Industrial Products, Inc., Weatherford, Tex., a corporation of Texas

Application May 16, 1946, Serial No. 670,212
17 Claims. (Cl. 166—18)

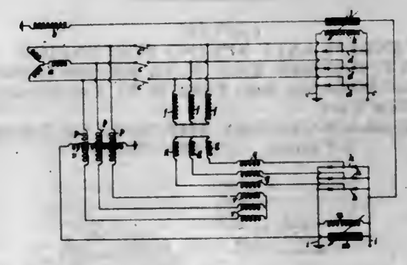
1. A casing cleaner of the character described, comprising a traveling plug having a hollow bore, a plurality of scraping lugs on the exterior of the plug adapted to engage the interior of the casing to be cleaned, said lugs arranged in circumferential rows, the lugs in each row being spaced circumferentially from one another and the lugs in adjacent rows being staggered relative one another, and radial ducts through the plug connecting the bore thereof with the space outside of the plug, each duct disposed forwardly of one of the lugs.



2,567,476
ELECTRIC CURRENT DISTRIBUTING SYSTEM

Ralph Frederic Gilbert Hamilton, London, England, assignor to Rotax Limited, London, England

Application March 9, 1949, Serial No. 80,486
In Great Britain March 13, 1948
2 Claims. (Cl. 322—28)



1. An electric current supply system, comprising in combination a variable speed alternating current generator having field and generating windings, a pair of electric circuits for direct current at different voltages, rectifying means through which direct current can be supplied to the higher voltage circuit from the generator, a step-down transformer having its input side connected to the higher voltage circuit at the generator side of the rectifying means, additional rectifying means through which direct current can be supplied to the lower voltage circuit from the output side of the step-down transformer, a booster transformer having its output side connected between the output side of the step-down transformer and the last mentioned rectifying means, a saturable choke connected between the generator and the input side of the booster transformer and provided with a control winding, a voltage regulator for the control winding of the saturable choke, and a second voltage regulator for the field winding of the generator, the first mentioned voltage regulator having a controlling winding connected across the lower voltage winding, and a variable resistance connected between the lower voltage circuit and the control winding of the saturable choke, and the second voltage regulator having a controlling winding connected across the higher voltage circuit, and a variable resistance connected between the field winding of the generator and the lower voltage circuit.

2,567,477
GASKET STRUCTURE FOR REFRIGERATOR CAR DOORS AND THE LIKE

August W. L. Hartbauer, deceased, late of Chicago, Ill., by Elizabeth C. Hartbauer, representative, Elizabeth, N. J.; Elizabeth C. Hartbauer administratrix of said August W. L. Hartbauer, deceased

Continuation of application Serial No. 422,653, filed December 12, 1941. This application filed September 5, 1945, Serial No. 614,530
2 Claims. (Cl. 20—21)

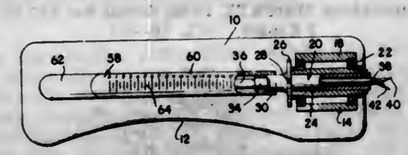


1. A closure for refrigerator car doors comprising in combination with a frame having an opening and a hingedly mounted door arranged to be swung to and from closed positions relative to said opening, a header gasket for sealing one end of the door and extending across the frame opening and secured to the frame, said header gasket including an end portion disposed at a corner of the frame and extending slightly along the adjacent frame side and being relieved substantially at the corner of the frame to present a sealing surface facing angularly inwardly of the frame opening, a gasket for sealing the other end of the door, and side gaskets for sealing the door side edges, one of said side gaskets being secured to the door and having an end sealing surface shaped substantially complementally to the sealing surface of the said header gasket and projecting toward the same sufficiently to be progressively wiped into tighter sealing engagement with the relieved sealing surface of said header gasket as the door is moved to closed position.

2,567,478
HOSIERY INSPECTION DEVICE

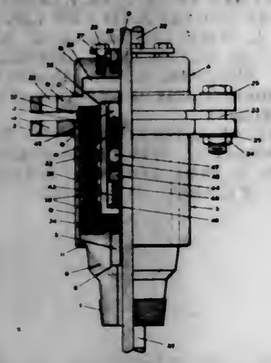
Marietta Hartline, Rossville, Ga.

Application October 4, 1949, Serial No. 119,515
3 Claims. (Cl. 223—75)



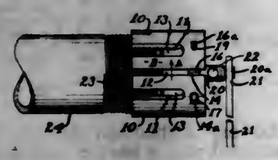
1. In a hosiery inspection device of the type having a pedestal and a carrier mounted thereon to rotate about a horizontal axis, means for supporting a hosiery item on said carrier comprising a hosiery form having a contour corresponding substantially to a leg and foot, said form being mounted on said carrier for rotation therewith about the longitudinal axis of the leg portion of said form, and a longitudinal row of graduation marks carried by the leg portion of the form for cooperation with the foot portion of the form in determining the length of hosiery mounted on the form during the inspection of said hosiery.

2,567,479
POLISH ROD STUFFING BOX
Glen G. Hebard, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 8, 1947, Serial No. 772,789
5 Claims. (Cl. 286—16)



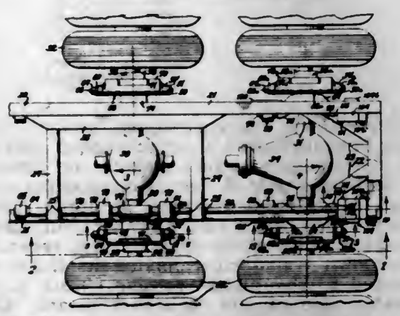
5. A polish rod packing assembly comprising in combination a housing adapted at one end to be secured to a well pipe, said housing having a bore, the bore adjacent the opposite end from said well pipe being enlarged to form a shoulder and a chamber adjacent said shoulder, a first resilient ring in said chamber adjacent said shoulder, a stuffing box concentrically disposed in said chamber and contacting said first ring, a plurality of additional rings surrounding said box in said chamber and contacting said box and the wall of said chamber, at least one of said additional rings being circular in cross section whereby space is provided in said bore for deformation of said rings, packing in said stuffing box disposed to engage in packing contact against said polish rod, a single cover for both said chamber and said stuffing box, said cover being disposed to cover and compress the outermost of said rings, and means loosely securing said cover to said housing and biasing the cover to compress the outermost of said rings, but allowing tilting and radial movement of said box in said housing.

2,567,480
THREAD CLEANING AND TRUING DEVICE
Arthur P. Heidenbrand, Oklahoma City, Okla.
Application March 27, 1946, Serial No. 657,563
1 Claim. (Cl. 10—1)



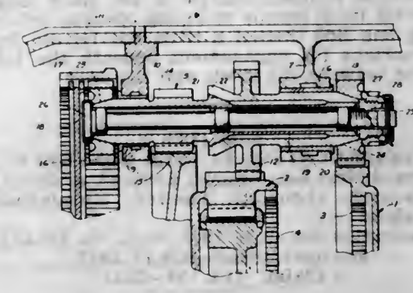
In a thread cleaning and truing device of the kind described; said device having a tubular portion, said tubular portion having a plurality of slots therethrough that extend from one end of the tubular element to points spaced away from the other end of the tubular element, said tubular element having one slot therethrough that extends through the entire length of the tubular element, said slots defining leg portions of the major portion of the tubular element, said leg portions having threads thereon, and means for rotatably driving said tubular element from a point diametrically opposed to the slot extending the entire length of the tubular element and from a second point in advance of the slot extending through the entire length of the tubular element relative to the direction of rotation of the tubular element to permit and assist in the springable adjustment of the diameter of the tubular element during the process of cleaning and truing threads of the tubular goods, said means for rotatably driving the tubular element being a multi-legged spider element, one of the legs of the spider being stationarily engaged with the tubular element at the said point diametrically opposed to the said slot extending the entire length of the tubular element, a second leg of the spider element having its end portion movably seated in an elongated slot that is circumferentially disposed in the unthreaded portion of the tubular element and adjacent the slot extending the full length of the tubular element, the last said leg end being engageable with the tubular element wall at either end of the said elongated slot, a third spider leg, the end portion of the third spider leg being movably seated in a second elongated slot that is in circumferential alignment with the first said elongated slot, the third said spider leg end being unengageable with the wall of the tubular element at either end of its respective elongated slot by the limitation of the movement of the second spider leg end in its respective elongated slot whereby the tubular element may be rotarily driven by the spider and still left free for expansive movements as afore mentioned, and shaft means on said spider for turning the spider and associated parts.

2,567,481
TANDEM AXLE SPRING SUSPENSION
Albert F. Hickman, Eden, N. Y., assignor to Hickman Industries, Inc., Eden, N. Y., a corporation of New York
Application November 2, 1949, Serial No. 124,961
8 Claims. (Cl. 280—104.5)



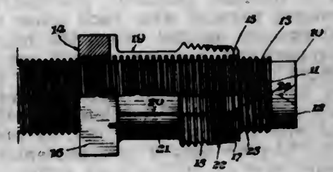
1. A tandem axle vehicle spring suspension adapted to be interposed between a vehicle frame having a longitudinal side bar at one side and a pair of tandem axles each having wheels journalled thereon, comprising a pair of coaxial bearings secured directly to the inner side of said longitudinal side bar on opposite sides of the front tandem axle, a tube journalled in said bearings to extend lengthwise of said longitudinal side bar along the inner side and above the lower edge thereof, means operatively connecting said tube intermediate said bearings with the corresponding end of said front tandem axle, a torsion rod in said tube, means securing the front end of said torsion rod to the front end of said tube, said torsion rod extending rearwardly to a position beyond the rear tandem axle, a gear box secured to said longitudinal side bar in rear of said rear tandem axle, a pair of intermeshing gears journalled in said gear box one above the other to rotate about parallel axes and with the upper gear arranged generally coaxial with said pair of bearings, means securing the rear end of said torsion rod to said upper gear, and means operatively connecting said lower gear with the corresponding end of said rear tandem axle.

2,567,482
LAY SHAFT CONSTRUCTION
Samuel K. Hoffman, Whittier, Calif., and Harold Caminez, deceased, late of Williamsport, Pa., by Hazel Caminez, executrix, Phoenix, Ariz., assignors to Avco Manufacturing Corporation, a corporation of Delaware
Original application February 18, 1944, Serial No. 522,910. Divided and this application November 2, 1949, Serial No. 125,058
9 Claims. (Cl. 74—432)



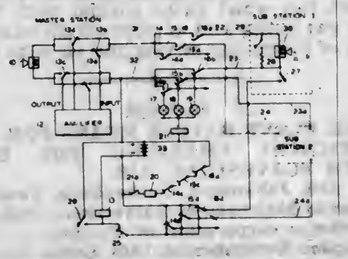
1. In variable speed transmission gearing, a lay-shaft unit comprising an inner shaft section, a sleeve section, said sections being provided respectively with a conical member and a mating socket, gears on the sections, respectively, the inner shaft section being provided at one of its ends with a second conical member, a gear having a conical socket fitting on said second conical member, and means for clamping the shaft sections and the last named gear together longitudinally into driving relation.

2,567,483
SCREW-THREAD AND NUT ASSEMBLY
William Hotine, Great Neck, N. Y.
Application December 3, 1947, Serial No. 789,359
4 Claims. (Cl. 74—424.8)



1. In a screw and nut assembly, in combination, a male member, an undercut thread thereon, a female member engageable with said male member comprising a sleeve having a nut machined at one end thereof, a threaded taper machined at the other end thereof and provided with a thinned portion intermediate the two ends, an undercut thread in said female member and means carried by the threaded taper of the female member to radially load it.

2,567,484
INTERCOMMUNICATION TELEPHONE SYSTEM
Edgar Ivens, Stanmore, England, assignor to Modern Telephone Corporation, New York, N. Y., a corporation of New York
Application October 19, 1949, Serial No. 122,200
In Great Britain September 16, 1949
15 Claims. (Cl. 179—1)



1. In a telephone intercommunicating system, a plurality of stations, an amplifier having an input and an output, a line leading from one station to another, each line having at least two conductors, a station selector switch and a relay at one station, a key at each station, contacts controlled by said relay for connecting said one station alternately with the amplifier input and output, contacts controlled by said relay for alternately connecting the amplifier output and input with one conductor leading to the other station, a circuit for said relay controlled by the key at said one station, and a second circuit for said relay controlled by the key at the other station via the other conductor.

2,567,485
GAS-BURNER HEAD WITH HIGH-PRESSURE AIR JETS
Rudolf Jenny, Zurich, Switzerland, assignor to Meyerhofer G. m. b. H., Zurich, Switzerland
Application April 9, 1948, Serial No. 20,132
1 Claim. (Cl. 158—116)



A gas burner comprising means for forming an upwardly converging gas outlet having an outwardly and upwardly flaring discharge end, means forming an air chamber annularly surrounding the gas outlet, and a plurality of bores extending through the said discharge end from the air chamber to the gas outlet, the axes of said bores being inclined with respect to the vertical axis of the gas outlet, and means supplying air to said chamber at a pressure exceeding the gas pressure in said gas outlet means, the improvement defined by arranging the said bores at equal spacings in at least two circular rows of which the centers are situated in the axis of the gas outlet, the bores of one row being staggered relatively to those of the other row and having a different axial inclination, the axes of each two adjacent bores of one row intersecting in points which define a first circle of which the center is situated on the gas outlet axis, and the axes of each two adjacent bores

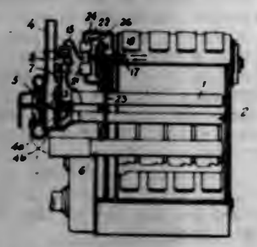
of the other row intersecting in points which define a second circle of which the center also is situated in the gas outlet axis, the said two circles lying in two planes which are at right angles to the gas outlet axis; the axes of the bores in one row being directed, relative to the circumferences of the circles, in opposite directions, the whole being for the purpose of setting up in the air stream entering the gas stream at least two whirl paths coaxial with the axis of the gas outlet and of opposed directions with a view of intimately mixing the air with the gas.

2,567,486

POWER PLANT HAVING MEANS FOR AUTOMATICALLY CHARGING THE ENGINE WITH SCAVENGING AIR

Johan Erik Johansson, Gothenburg, Sweden, assignor to Aktiebolaget Götaverken, Gothenburg, Sweden, a corporation of Sweden

Application November 28, 1945, Serial No. 631,378
In Sweden December 13, 1944
5 Claims. (Cl. 60—13)



1. A power plant comprising in combination, an internal combustion engine, a gas turbine having a high pressure stage and a low pressure stage, a first conduit for supplying exhaust products from said engine to the low pressure stage of said turbine, a second conduit for supplying to said high pressure stage exhaust products at a pressure higher than the pressure of said first-named exhaust products, an air compressor mechanically connected to said turbine, an air conduit for supplying compressed air from said compressor to said engine, a valve for putting said first conduit into communication with the atmosphere, a control device for said valve, means responsive to an increase of the pressure of said compressed air for actuating said control device to close said valve, and means responsive to an increase of the pressure of said exhaust gases for actuating said control device to open said valve.

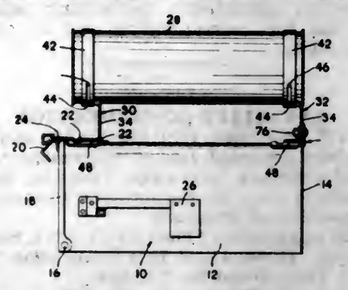
2,567,487

NEWSPAPER RECEPTACLE ATTACHMENT FOR RURAL MAILBOXES

Robert L. Kelly, Baltimore, Md.

Application August 26, 1949, Serial No. 112,516
1 Claim. (Cl. 232—33)

In a rural mail box of the type having a downwardly swinging door, a latch tongue, spaced rivets extending through the mail box and the latch tongue for holding the latch tongue in overhanging relation to the door, and upwardly projecting heads on the rivets; means for supporting a receptacle above the mail box comprising an upright, means carried by the upper end of said upright for supporting a receptacle thereon, a saddle member at the lower end of the upright for seating on the mail box, said upright having a latch tongue accommodating opening extending therethrough at its junction with the saddle member, said saddle member having a latch tongue receiving opening extending therethrough in spaced relation to the upright and forming a bridge member, said bridge member being upwardly offset for straddling the latch tongue and seating between the rivet heads and



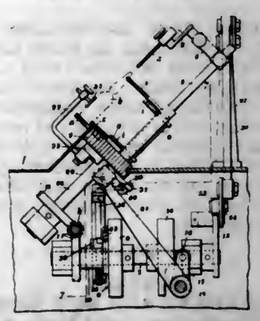
in engagement therewith to restrain shifting of the saddle member relative to the latch tongue and said latch tongue receiving opening defining along one side thereof a cross bar remote from the upright for engagement beneath the latch tongue between the rivets and the door.

2,567,488

RECIPROCATING PUSHER CONVEYER

George Arthur Lee, Enfield, England, assignor to Autopack (London) Limited, Birmingham, England

Application March 31, 1945, Serial No. 585,874
In Great Britain July 15, 1943
1 Claim. (Cl. 198—224)



A machine for charging small receptacles with liquid or solid substances, having in combination a horizontal support on which the receptacles can rest in inclined positions, stationary track bars arranged parallel with each other to form spaced abutments against which the receptacles on the support can lean, and which are formed with spaced depressions for locating the receptacles, interconnected propelling bars which are arranged in parallel relationship with each other and with the track bars, and by which the receptacles can be moved intermittently along the support, the propelling bars being situated adjacent to the track bars, and being formed with spaced depressions for accommodating the receptacles during their movement by the propelling bars along the support, actuating mechanism having a pair of spaced connections with one of the propelling bars for imparting to the latter a compound reciprocatory motion consisting of a forward lateral movement for carrying the receptacles away from the depressions in the track bars, a longitudinal movement for moving the receptacles along the support, a retractive lateral movement for allowing the receptacles

to occupy the next depressions in the track bars, and an idle return longitudinal movement, a stationary ledge on to which the charged receptacles are movable in succession from the support by the propelling bars, a transfer lever for transferring the receptacles from the ledge to a receiving position, and an actuating lever connected to the transfer lever, the actuating lever being operable by one of the propelling bars.

2,567,489

HAND BANDAGE

Douglas T. Lewis, Los Angeles, Calif.

Application February 21, 1949, Serial No. 77,625
8 Claims. (Cl. 2—20)



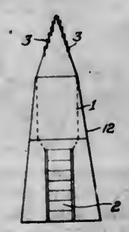
3. A hand protector comprising a flexible body having finger stalls formed at one end thereof, said body having laterally and oppositely extending portions which are tapered substantially throughout their entire length and provided with means at their outer ends for being secured to each other upon being oppositely wound about the metacarpus and carpus of the wearer.

2,567,490

TAIL-MOUNTED JET PROPULSION UNIT FOR AIRCRAFT

Birger Ljungström, Stockholm, Sweden

Application May 14, 1947, Serial No. 747,890
In Sweden May 9, 1946
1 Claim. (Cl. 244—74)



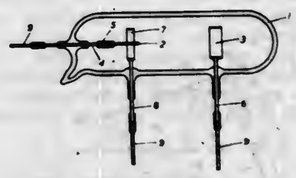
A jet propulsion unit for aircraft comprising in combination, an aircraft body having a tail portion, driving machinery mounted in said tail portion, said tail portion having inlet openings formed in opposite side surfaces thereof, means for conveying air from the inlet openings to the driving machinery, grid laminae rotatably mounted about vertical axes in said openings for controlling the rate of flow of air to the driving machinery, the said portion having other openings in its upper and lower surfaces, means for conveying gases discharged from the driving machinery to said other openings, and grid laminae rotatably mounted about horizontal axes in said last-mentioned openings for controlling the expelling of gases through the respective openings.

2,567,491

LUMINOUS DISCHARGE TUBE

John Wesley Mitchell, Petts Wood, England

Application September 6, 1945, Serial No. 614,720
In Great Britain December 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 29, 1963
12 Claims. (Cl. 313—184)



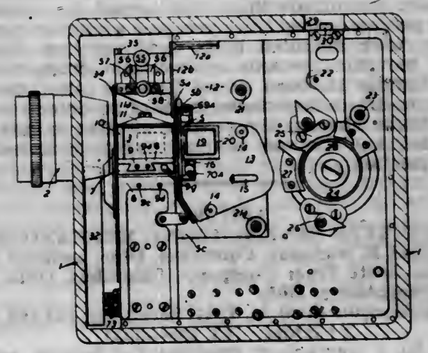
1. A cold cathode flash tube comprising a sealed tubular envelope containing a gaseous filling at a pressure within the range of 0.5 atmosphere to 3 atmospheres, said gaseous filling being composed solely of non-reactive gases, two rod-shaped electrodes mounted within envelope, a triggering electrode surrounding one of said rod-shaped electrodes, the surface layers of said electrodes being etched and crystalline and impregnated with electron-emissive material, the interior of the tube and the electrodes being entirely free of excess electron-emissive material.

2,567,492

PLURAL FILM COLOR CAMERA, INCLUDING HINGED FILM GATE

Gilbert Murray, London, England, assignor to Dufay-Chromex Limited, London, England, a British company

Application May 24, 1948, Serial No. 28,837
In Great Britain April 16, 1947
10 Claims. (Cl. 88—16.4)



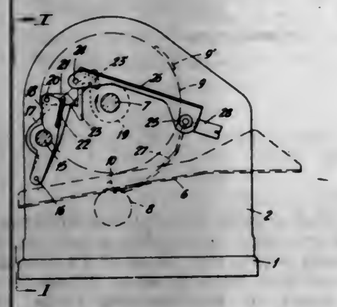
1. A cinematographic colour camera of the kind having a light dividing system by means of which two substantially perpendicular beams of light are produced to form images in two film gates mounted substantially at right angles to each other in which at least one film gate is hingeably mounted, about one end thereof, upon, and is adapted to swing about, the axis of a driving shaft mounted within the camera, said film gate being provided with latching and locking means for releasably locking it accurately located with respect to the light dividing system.

2,567,493

ARTICLE CONTROLLED RELEASE MECHANISM FOR POSTAL FRANKING MACHINES

Knut Oscar Odén, Stockholm, Sweden, assignor to Aktiebolaget Hadar Schmidt, Stockholm, Sweden

Application July 8, 1946, Serial No. 681,971
In Sweden October 6, 1943
8 Claims. (Cl. 101—235)



1. A machine for printing franking values directly upon letters inserted in the same, comprising, in combination a printing drum, a handle for actuating the machine to move letters through the machine for printing postage values upon said letters, a revolution stop for said handle, for locking said handle when in a locking position, and allowing movement of said handle when in a position of release, a movable sensing member for sensing the presence of a letter introduced into the machine, a lever connection between said sensing member and said revolution stop, to move said stop from locking position to unlocked position when a letter is introduced into the machine, a clutch arranged in said connection for disengaging said connection and having means for delaying disengagement of said lever connection until after said sensing member has performed a movement of greater magnitude than that caused by a letter of a predetermined thickness, and a counter pressure roller mounted below said printing drum and movable upwards against said drum after the handle has been moved from its initial position, to lift an introduced letter of predetermined thickness whereby the sensing member is moved further and the stop is freed to return to locking position.

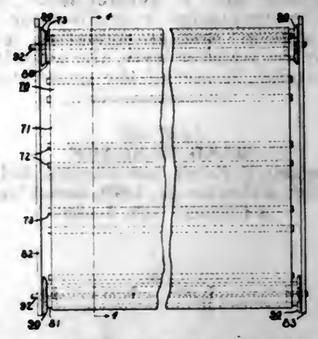
2,567,494

CONVEYER BELT ALIGNING MECHANISM

Winford E. Nicholoy, Columbus, Ohio, assignor to The Scott Viner Company, Columbus, Ohio, a corporation of Ohio

Application April 24, 1947, Serial No. 743,495
2 Claims. (Cl. 198—202)

2. In a harvesting machine for hulling and separating peas, beans and the like from the pods, vines and chaff, the combination of a substantially flat, inclined, endless conveyor apron of fabric having wooden slats mounted transversely thereon, the ends of said slats projecting from each side of said apron, non-circular rollers at each end of said apron for imparting a flopping action thereto, means for rotating one of said end rollers to provide for moving said apron at a predetermined rate in an inclined plane, and an apron guide comprising a flanged plate having a bevelled edge attached to the ends of each roller and rotatable therewith and mounted to receive the ends of said slats when said apron moves substantially out of its normal path of travel, said bevelled edge after engaging the end of a slat traveling therewith around the roller and imparting a firm pushing action thereto in the direction opposite to which the apron is tending



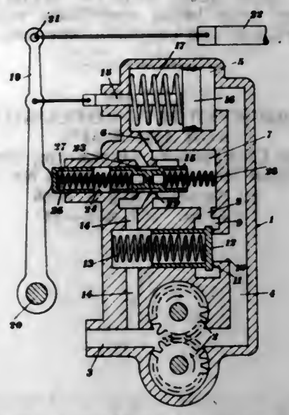
to run to provide for changing the direction of the path of travel to align said apron in a path of travel in which there is no rubbing contact with said apron guides.

2,567,495

HYDRAULIC GOVERNOR

Wilfrid Edward Walter Nicolls, Pinner, England, assignor to C. A. V. Limited, London, England

Application April 20, 1948, Serial No. 22,049
In Great Britain May 7, 1947
2 Claims. (Cl. 264—19)



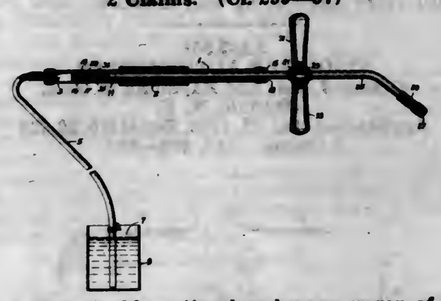
1. A hydraulic governor comprising in combination a liquid circulating pump, a delivery passage communicating with the discharge side of said pump, means forming with a part of said delivery passage a circulatory path leading from the discharge side of said pump to the inlet side thereof, a spring loaded pressure valve arranged in said path at a position between said delivery passage and the inlet side of said pump so that said valve opens in response to the pressure of liquid delivered by said pump, a spring loaded stabilising valve arranged in said path at a position between said pressure valve and the inlet side of said pump, a chamber arranged out of said path and communicating at opposite ends respectively with said delivery passage and the part of said path between said pressure valve and said stabilising valve, a spring loaded pressure responsive member arranged in said chamber with its opposite sides exposed respectively to the liquid pressures in opposite ends of said chamber, a regulating member operable by said pressure responsive member for causing actuation of said stabilising valve and a dash pot device for controlling the rate of movement of the stabilising valve.

2,567,496

PORTABLE HAND SPRAY PUMP

Glenn C. Pittenger, Kirkwood, Mo., assignor to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri

Application October 30, 1947, Serial No. 783,139
2 Claims. (Cl. 299—97)



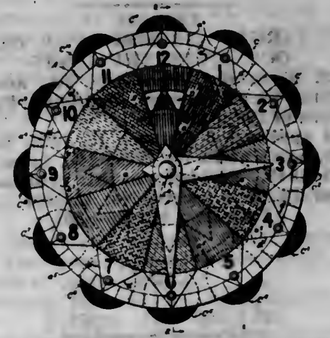
1. In a double-acting hand spray pump of the trombone type which includes a cylinder and a relatively reciprocal hollow piston rod extending from the one end of the cylinder and having a nozzle rigidly attached thereto; the provision of an elongate hollow handle member affixed to the piston rod where the piston rod extends from the cylinder, the elongate handle member being affixed in cruciform relation with the piston rod, and a passage connecting the inside of the piston rod with the inside of the handle member at their points of intersection.

2,567,497

EDUCATIONAL GAME DEVICE

Madeline Sorensen, Inglewood, Calif.

Application June 5, 1947, Serial No. 752,630
8 Claims. (Cl. 35—31)



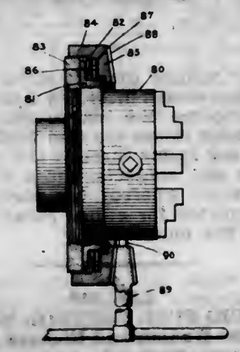
1. An educational game device comprising a disk formed with a display opening and having a playing surface divided into differently colored portions grouped about a common center and extending toward its periphery and provided adjacent its periphery with an annular series of spaced numerals from 1 to 12, inclusive, disposed in line with said colored portions, a selector element rotatably mounted on the underside of the disk and provided with a corresponding series of colored and numbered portions and rotatable to bring any of its colored and numbered portions into indicating position at the display opening for comparison with the colored portions and computation with the numerals on the disk, and a series of smaller products carrying members equal in number to the numerals on the disk and rotatably mounted thereon adjacent to said numerals, each of said products carrying members having similarly arranged and colored portions to correspond with the colored portions of the disk and each bearing a set of twelve numerals varying in value from the numerals on the other products carrying members including a starting numeral corresponding with that of the adjacent numeral on the disk and other numerals representing products of said starting numeral when multiplied by a numeral on the selector element displayed at the display opening.

2,567,498

CENTERING DEVICE

Theodore O. Strauss, New York, N. Y.

Application October 29, 1945, Serial No. 625,208
12 Claims. (Cl. 279—6)



1. A chuck holder comprising a back plate adapted for mounting on a supporting shaft for rotation, a chuck mounting plate in face to face relation with said back plate, threaded means spaced outwardly of the plate centers for holding the plates together, said plates having flat mutually contacting surfaces constituted by the surfaces of opposed hard inserts set in said plates, said holding means being tightenable to clamp said surfaces tightly together whereby to maintain said mounting plate against radial displacement relative to the back plate or being loosenable to permit such displacement on any radius, and spring means arranged around the plate centers and acting to hold said surfaces in frictional contact when said tension means is loosened so that said mounting plate can be forced radially relative to said back plate to center a chuck carried by said mounting plate, said frictional contact sufficing to maintain the chuck against accidental displacement.

2,567,499

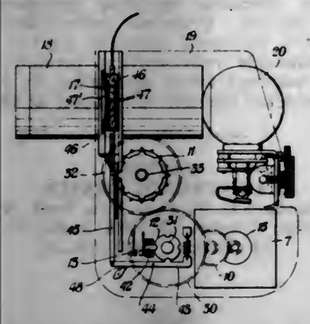
FRAME CHANGING STRUCTURE IN PROJECTORS USING FILM STRIP

William Griffith James Vaughn, Haslemere, England

Application February 28, 1948, Serial No. 11,953
In Great Britain, March 3, 1947
5 Claims. (Cl. 88—28)

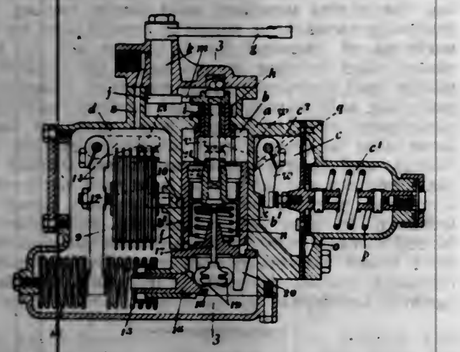
1. In combination with a film-strip projector comprising a film gate and projection means, frame changing apparatus comprising a reversible electric motor, a cam shaft connected to the motor through a transmission including an automatic clutch, which disengages directly the motor is deenergized, and reduction gearing, a sprocket

shaft carrying a film-feeding sprocket located near the gate and means whereby the said shaft can be turned by hand, a driving means loose on the sprocket shaft, a driving means in engagement with the said driving means and fast on the cam shaft, a manually operable clutch for connecting the former drive means to the shaft, an energizing circuit for the motor, contacts closeable for completing the said circuit, contacts



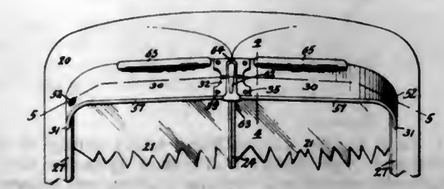
closeable for holding the said circuit closed, contact-actuating means including a cam on the cam shaft for closing the second-named contacts while the motor drives the film-feeding sprockets to advance one frame through the gate and then opening the said contacts, and a remote-control reversing switch whereby the energizing circuit can be completed for either forward or reverse running of the motor.

2,567,500
LIQUID FUEL CONTROL MEANS
Ernest Ansley Watson and Richard Joseph Ifield, Birmingham, England, assignors to Joseph Lucas Limited, Birmingham, England
Application November 21, 1945, Serial No. 629,926
In Great Britain September 4, 1944
3 Claims. (Cl. 137—144)



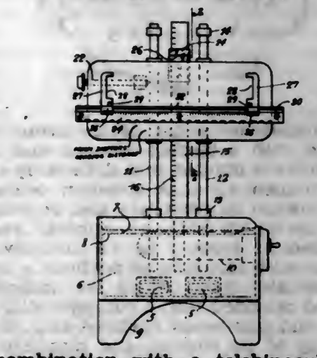
1. Control means comprising in combination, a cylindrical chamber, a pressure liquid inlet passage communicating with said chamber, a pressure liquid outlet passage also communicating with said chamber, a rotatable and axially slidable piston valve arranged in said chamber and shaped to control communication between the inlet and outlet passages, a spring for imparting axial sliding movement to said piston valve in one direction, said piston valve being slidable in the opposite direction by liquid under pressure admitted to said chamber through said inlet passage, a pressure relief valve associated with said chamber for controlling the axial sliding movement of said piston valve, a barometric device for actuating said pressure relief valve, means for independently imparting rotary movement to said piston valve, a second chamber, a spring loaded member dividing said second chamber into two compartments and responsive to fluid pressure, passages through which liquid from said inlet passage has access to one of said compartments and liquid from said outlet passage has access to the other of said compartments so that the opposite sides of said member are exposible to different fluid pressures, and a third valve operable by said member.

2,567,501
VISOR FOR AUTOMOBILES
George J. Zeis and Raymond M. Zeis, Buffalo, N. Y.
Application May 27, 1948, Serial No. 29,624
4 Claims. (Cl. 296—95)



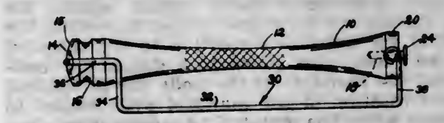
1. A visor for an automobile having a window, and a molding adjacent to said window; comprising a shield plate adapted to overhang said window, and means for mounting said plate on said molding including two clamping bars provided at one of their corresponding ends with longitudinal slots and at their opposite end with opposing jaws, a front fastening bolt passing through said slots and connecting said bars with said plate, a rear fastening bolt connecting said bars and adapted to hold said jaws in engagement with opposite sides of said molding and a reinforcing washer through which said front bolt passes and which is arranged in a recess on the inner side of said plate opposite one of said clamping bars.

2,567,502
VISION TARGET ASSEMBLY FOR TELEBINOCULAR INSTRUMENTS
Harry S. Alexander, Meadville, Pa., assignor to Keystone View Company, Meadville, Pa., a corporation of Pennsylvania
Original application October 16, 1946, Serial No. 54,965, now Patent No. 2,491,242, dated December 13, 1949. Divided and this application November 16, 1949, Serial No. 127,685
1 Claim. (Cl. 88—20)



In combination with a telebinocular instrument of the character described having a pair of viewing lenses and two parallel rods with a scale member therebetween extending rearwardly from said lenses along the line of view, a detachable unit for supporting binocular vision test cards upon said instrument comprising a base slidably supported upon the said rods, means on the base for securing said unit in adjusted positions on said rods, two upstanding bracket members on said base forming a magazine between them for holding a pack of binocular vision test cards, each of said members having a single vertical groove in front of said magazine for supporting a single card from said pack of cards, means in said unit for removably supporting a pair of duplicate views in front of said magazine comprising transverse members on said base forming a single bottom groove, two upright view holders secured to said upstanding bracket members and having downwardly directed flanges cooperating with said single bottom groove to support the said pair of views, one of said groove members bearing a transverse scale and a transparent plate secured on said base and having a line mark thereon for register with the said instrument scale member between the said rods.

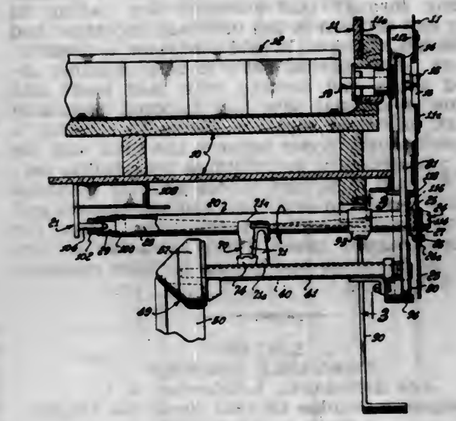
2,567,503
HAIR CURLER
Elodie M. Arsenault, Brunswick, Maine
Application June 9, 1949, Serial No. 97,969
2 Claims. (Cl. 132—41)



1. A hair curling device comprising a curling rod having a slot at one end, a collar rotatably attached thereto at the other end, a spacer embodying two elongate legs intermediate the ends and spaced laterally outward of said rod, and two arms offset from the ends of said legs and attached to said collar, said spacer embodying two offset connector portions and a U-shaped attaching portion the two sides of which are offset from and connected to said connector portions and extend beyond them embodying a bridge portion between said two sides adapted to extend into said curling rod slot when said spacer is in position of use.

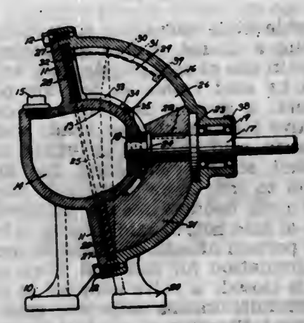
2,567,504
DRIVING MECHANISM FOR ACCESSORIES IN TRANSPORT VEHICLES
Paul K. Beemer, Pasadena, Calif., assignor to Preco Incorporated, Los Angeles, Calif., a corporation of California
Application May 16, 1950, Serial No. 162,198
1 Claim. (Cl. 105—112)

Driving mechanism of the character described for driving a car-body-mounted accessory from the wheel and axle element supporting the car body; said driving mechanism including a mounted shaft rotatably mounted on the car body, spring means connected to the body and to the rotatable mounting shaft and urging its rotation in one direction, a driving shaft in spaced relation and normally substantially parallel to the mounting shaft, a shaft carrier on which the driving shaft is rotatably journalled, means for supporting the shaft carrier on the mounting shaft at substantially a single point intermediate the ends of the driving shaft and for applying the spring-impressed torque of the mounting shaft to the shaft carrier at that single point, said supporting means comprising an arm rigidly attached to the mounting shaft and having radial extent therefrom, socket means by which the shaft carrier is mounted at said single point on the free end of said arm, another arm rigidly attached to the shaft carrier at a point immediately adjacent said socket means and extending its free end to a point immediately adjacent the rigidly attached end of the first mentioned arm, and socket means connecting the free end of the second mentioned arm to the



mounting shaft, whereby said single intermediate point of the shaft carrier is swung about the rotation of the mounting shaft and the shaft carrier has swinging movement about said intermediate point restricted to a plane substantially normal to the radial extend of said arms; and two power transmitting means one between one end of the driving shaft and the wheel and axle element and the other between the other end of the driving shaft and the accessory, both power transmitting means being rendered effective by movements of the shaft in said plane.

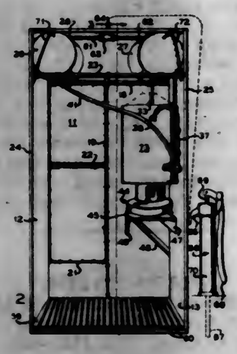
2,567,505
FLUID MOTOR
Quinter C. Bridenbaugh, Glenwood Springs, Colo.
Application April 26, 1948, Serial No. 23,321
2 Claims. (Cl. 121—69)



1. A fluid pressure motor comprising a fixed circular disc disposed vertically at an incline, a hollow boss disposed centrally through said disc

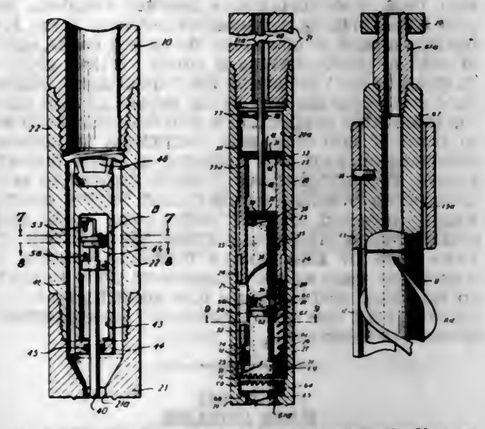
and having a hemispherical portion projecting forwardly from the disc and rearwardly of the disc being formed with a filling opening normally closed by a removable closure, said hollow boss forming a lubricant container adapted to be filled with oil through the filling opening, a bearing mounted through the center of the hemispherical portion of said boss, a hemispherical housing secured about its margin to the margin of said disc and defining a hemispherical chamber, said housing being provided with a bearing disposed opposite the bearing of the boss in alignment therewith, a horizontal shaft rotatably mounted through the bearings with a portion passing through said chamber and having its inner end exposed in the lubricant container and lubricated by the oil in said container, a concavo-convex hemispherical rotor in said chamber secured about and turning with said shaft and having an annular edge face disposed diagonally of said disc and together therewith forming a crescent-shaped space between the rotor and the disc, a sealing ring surrounding the bearing carried by said boss, and blades slidably mounted in slots formed in said rotor radially thereof and moving longitudinally in the slots across the crescent-shaped space during rotation of the shaft on the rotor and having portions engaging said sealing ring.

2,567,506
PORTABLE SHOWER
Leo R. Bowman, Lumberton, N. C.
Application October 30, 1946, Serial No. 706,629
3 Claims. (Cl. 4—147)



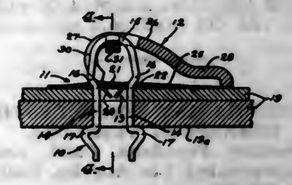
1. Portable bath apparatus comprising a cabinet having a frame, frame supported panels, and a door in one of said panels; two water tanks supported by said frame in the top portion of said cabinet; a shower head in said cabinet; a mixing valve for said shower head; water heating means in said cabinet including a heating coil; conduit means connecting the upper end of said coil to the lower portion of one of said tanks; by-pass conduit means connecting the lower end of said coil to said mixing valve and to the upper portion of said one tank to provide the thermal circulation for said coil when said mixing valve is closed; a valve adapted to close said by-pass conduit; means adjacent said coil for applying heat thereto; a conduit leading from the other of said tanks to said mixing valve; a pump connected to a source of water supply for forcing water into said tanks; and conduit means connecting said pump with both of said tanks.

2,567,507
MEANS FOR ORIENTING WELL TOOLS IN WELL BORES
Guy Eastman Brown, Houston, Tex., assignor of one-half to H. John Eastman, Denver, Colo.
Application November 16, 1949, Serial No. 127,729
13 Claims. (Cl. 255—1.6)



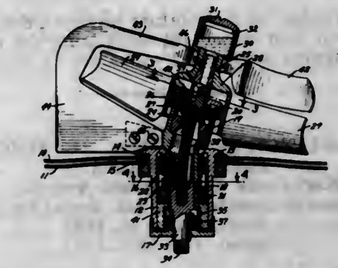
1. A well tool orienting apparatus including, a tubular body adapted to be connected with a drill pipe, a mandrel rotatably mounted within the body and connected with the well tool to be oriented, pressure-actuated means within the body having an operative connection with the mandrel for imparting rotation to the mandrel and well tool, and connecting means for connecting the mandrel to the body for preventing further rotation of the mandrel with respect to the body when the mandrel has undergone a rotation which locates the well tool connected thereto in a predetermined azimuthal position.

2,567,508
FASTENER
Lawrence E. Carson, Alhambra, Calif.
Continuation of application Serial No. 566,413, December 4, 1944. This application December 19, 1947, Serial No. 792,787
5 Claims. (Cl. 85—5)



2. A fastener comprising in combination an anchor member substantially of elongate U-shape whose legs are adapted to be inserted endwise in an opening which extends inwardly from an outer face of a plate or the like, said anchor member having anchoring formations at the inner insertible ends of its legs, an anchor moving cam directly rotatably mounted on the leg-connecting portion of the U-shaped anchor and adapted to rotate in a plane which is parallel to the plane of the U-formation, said cam having a cam face which is eccentric to the axis of rotation of the cam, and a substantially flat spring base lying inwardly of the cam, surrounding the anchor legs and adapted to lie against the outer face of the plate or the like, the spring base being provided with a leg spreading wedging member lying between the anchor legs, and the legs having cooperative wedging formations, whereby the legs are spread when they are moved outwardly with relation to the base, said cam being adapted by rotation to press inwardly on the spring base to compress the base inwardly in effective thickness and to move the anchor outwardly with reference to the base.

2,567,509
IMPELLER FOR DISHWASHING MACHINES
Harold G. Davis, Denver, Colo.
Application May 2, 1949, Serial No. 90,978
2 Claims. (Cl. 259—102)



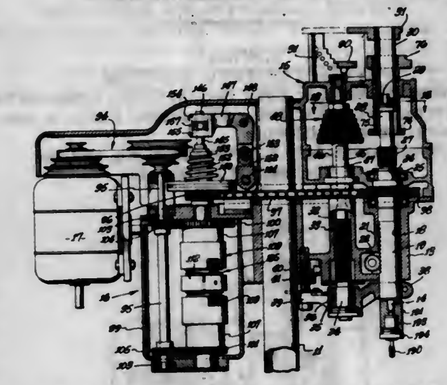
1. In a dishwashing machine of the type having a tank, means for agitating water in said tank comprising: a rotatable shaft housing extending vertically through the bottom of said tank; a bearing cup formed on the top of said housing and inclined to one side at an acute angle to the axis of said housing; an impeller mounted to rotate about said cup co-axially therewith; means for rotating said impeller; and an arcuate, inclined scoop mounted on said shaft housing and positioned over said impeller at one side of the axis thereof, the incline of said scoop being positioned to direct water rearwardly from the direction of rotation of said impeller.

2,567,510
UNIVERSAL BINDING POST
John F. Drescher, Santa Monica, Calif.
Application January 12, 1946, Serial No. 640,824
3 Claims. (Cl. 173—259)



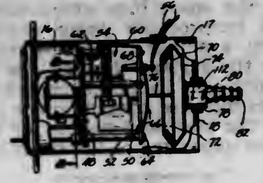
1. A universal binding post assembly adapted to the retention of electric terminals of different types comprising a stationary post providing a permanent wire connection, means within the post adapted to the reception of a telephone type plug, a removable body having a threaded connection to an end portion of the post for the clamping of electric terminals of an apertured type, said body including a transverse aperture adapted to the reception of elongated electric terminals, a spring pressed cap having limited axial movement relative to the body comprising a skirt surrounding the body and transverse plug receiving apertures therein, cooperable detention means between the skirt and the body, said apertures having positions of substantial alignment with the transverse aperture when said cap is moved against spring pressure, said cap having an open axial bore adapted to engagement with terminal connections of the banana plug and alligator clamp types, and a spring acting between the body and the cap normally urging said cap endwise relative to the body.

2,567,511
TAPPING MACHINE
Earl B. Elder, Arcadia, Calif.
Application April 16, 1945, Serial No. 588,488
7 Claims. (Cl. 10—136)



7. In a tapping machine of the character described, the combination of: a spindle mounted for axial and rotary movement; a spindle drive member engaging said spindle and having sliding engagement therewith to enable axial movement of said spindle relatively to said drive member; means to drive said drive member from a source of power; a lead screw supported in spaced relation to said spindle; nut means engaging said lead screw; a spindle moving connection between said lead screw and said spindle; and means to drive said lead screw at different speeds relatively to the speed of said spindle as taps of different sizes are used comprising a drive gear driven by said spindle drive member and speed change gearing connecting said drive gear and said lead screw.

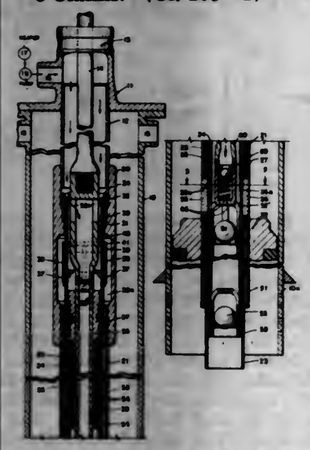
2,567,512
FLIGHT HOUR INDICATOR
George M. Freeman, Waukesha, Wis.
Application May 3, 1946, Serial No. 666,975
6 Claims. (Cl. 161—15)



1. A meter for indicating flight time of an aircraft comprising, in combination, a visible dial having means for cumulatively indicating on the face thereof the number of flight hours and minutes of an aircraft, a clock mechanism including an oscillatable balance wheel for driving said indicating means, a flexible blade-like mem-

ber having one end shaped for releasable engagement with the balance wheel to prevent oscillation thereof, a diaphragm enclosed within a housing, means operatively connecting said diaphragm and said member and operable upon movement of the diaphragm in one direction to move the member to a position releasing the balance wheel for oscillation, means for rendering said diaphragm responsive to differential air pressures created by the movement of an aircraft in flight, means mounting said diaphragm for bodily movement toward and away from the member for varying the air speed at which the member will release the balance wheel for operation, and means for indicating the minimum air pressure at which said diaphragm and member are set for releasing the balance wheel.

2,567,513
WELL PUMPING SYSTEM
Marcus W. Haines, Long Beach, Calif., assignor to Vernon Tool Co. Ltd., Alhambra, Calif., a corporation of California
Application July 2, 1945, Serial No. 602,786
3 Claims. (Cl. 103—1)



1. Apparatus for pumping viscous liquids from wells comprising the combination of an outer pipe extending from the surface down into the well, an inner tube extending from the surface downwardly within the outer pipe and in spaced relation thereto, a pump barrel carried by the lower end of the inner tube, an extension tube surrounding the pump barrel and annularly spaced therefrom and forming a downward passage in continuation of the inner tube and discharging into the well at its lower end, a seal between said extension tube and the outer pipe to seal off the space into which said tube discharges, a reciprocable pump plunger in the pump barrel, a plunger operating rod extending down from the surface through the inner tube, means forming a discharge passage from the pump barrel into the annular space in the outer pipe above the seal, and means for introducing fluid into the upper end of the inner tube.

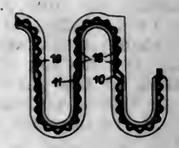
2,567,514
BED BATH
Charles Arthur Hoffman, Oakland, Calif.
Application November 9, 1948, Serial No. 59,178
3 Claims. (Cl. 4—177)

1. A bed bath comprising a collapsible frame consisting of a pair of complementary frame half-sections removably fastened together; each of said frame half-sections consisting of an end portion and a pair of half-side portions, a water-retaining flexible container removably suspended



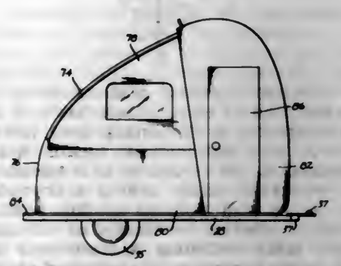
on said frame; said container having a drain outlet therein, and means for enhancing the rigidity of said frame when said container is filled with water.

2,567,515
RADIATOR IN CENTRAL HEATING INSTALLATIONS
Karl Janik, Linz, Donau, Austria
Application September 29, 1948, Serial No. 51,753
In Austria June 26, 1947
1 Claim. (Cl. 257—139)



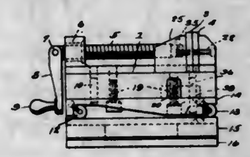
Radiator for central heating installations, consisting of two sheets fixedly connected at their edges and in their longitudinal direction bent so as to form a serpentine line, said sheets being spaced at their upper and lower edges so as to form one inlet and one outlet channel, while in the intermediate area the sheet located at the outside of the arc of the serpentine line is corrugated, the inside of the arc of said sheet being smooth, both sheets being adjacent each other, and forming a great number of small channels, designed to transversely connect the inlet channel and the outlet channel.

2,567,516
MOBILE COLLAPSIBLE LIVING UNIT
Meredith R. Jones, Port Orchard, Wash.
Application August 1, 1947, Serial No. 765,325
2 Claims. (Cl. 296—23)



1. A trailer for an automotive vehicle comprising a supporting frame and a foldable cabin mounted on said frame, said cabin comprising a generally rectangular compartment having a floor, fixed side walls and a rearward end wall, movable side wall panels hingedly connected to the upper edges of said side walls for swinging upward into vertically projected position, a roof panel hingedly connected at one edge to the upper edge of said rearward end wall for swinging into upraised position to form a cover for said rectangular compartment, and an open shell adapted to cover and surround said rectangular compartment in the lowered position of said shell, means hingedly connecting the lower forward edge of said lowered shell to the lower forward edge of said compartment for swinging of said shell into upraised position in which it defines an end compartment opening into the first said compartment, with the forward wall of said shell defining a floor extension of said generally rectangular compartment, the rearward wall of said shell defining a substantial continuation of said roof panel in raised position, and the side walls of said shell defining substantial continuations of said rectangular compartment's fixed side walls and associated movable side wall panels in raised position, respectively, the forward wall of said shell and the lower edges of the side walls of said shell defining an obtuse angle substantially greater than 90 degrees, a tongue extension projecting forwardly from the frame and adapted to support the shell in raised position with the forward wall thereof resting on said tongue extension, and a door and doorway mounted in a side wall of the shell and extending generally lengthwise between the forward and rearward walls thereof, the bottom edge of said door lying substantially parallel to the plane of the forward wall of the shell.

2,567,517
VISE AND ANGLE SINE PLATE
William C. Keebler, Washington, D. C.
Application March 1, 1946, Serial No. 651,138
11 Claims. (Cl. 90—60)

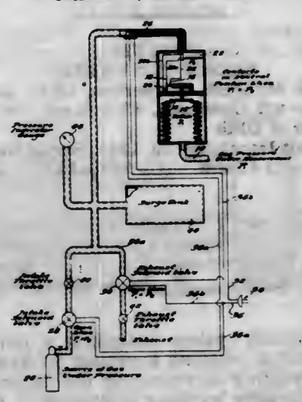


1. A sine plate including a rectangular base, an intermediate rectangular plate, an upper rectangular sine plate, said base and intermediate and upper plates having the same rectangular dimensions, hinge connecting means between the intermediate plate and base along the edges at one side of said members, and hinge connecting means between said intermediate plate and the upper sine plate along edges at a side at right angles to the side of the hinge connection between the intermediate plate and base whereby the sine plate may be pivoted to any desired angle or simultaneously to two angles at right angles with respect to each other, both of said hinge connecting means being positioned wholly within the confines of the areas of the base and intermediate and upper plates so that when the plates are in closed position with respect to each other the peripheral edges of these hinge members will constitute a rectangular block providing vertical walls on each of the four sides thereof.

2,567,518
PREPARATION OF BERYLLIUM NITRIDE
Alexander S. Langsdorf, Jr., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application June 10, 1948, Serial No. 32,259
5 Claims. (Cl. 23—191)

1. A process for the preparation of beryllium nitride comprising heating beryllium metal in contact with a mixture consisting of nitrogen and hydrogen wherein the concentration of hydrogen is between 2 and 6 percent by volume hydrogen.

2,567,519
PRESSURE MONITORING DEVICE
Ralph Livingston, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 27, 1948, Serial No. 11,612
1 Claim. (Cl. 73—410)



In pressure monitoring apparatus for gases of high reactivity, in combination: a first chamber; a second chamber adjacent the first chamber and having a coupling aperture adapted to be connected to a source of pressure under measurement; a pressure-distensible member separating said chambers; an electrical contact on the exterior of the second chamber insulated from and coupled to the distensible member and movable therewith; fixed electrical contacts on the exterior of the second chamber and insulated therefrom and selectively contacted by said movable contact in response to movement of the distensible member; two normally closed electrically operated valves; a source of fluid connected to the first chamber by the first of said valves, the second valve being connected between said first chamber and an exhaust; and two electrical circuits each including one of said electrically operated valves and one of said fixed contacts, whereby the fluid pressure in the first chamber is maintained equal to the fluid pressure in the second chamber and the second chamber is insulated from the electrical circuits.

2,567,520
TENSION REGULATION COIL SPRING
William K. McInerney and James M. McInerney, Grand Rapids, Mich.
Application October 11, 1948, Serial No. 53,933
4 Claims. (Cl. 155—179)

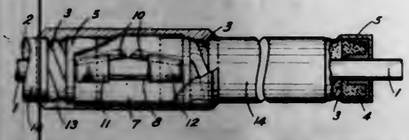
1. In a structure as described, a vertical generally cylindrical pocket closed at the top and bot-

tom, a coiled cushion compression spring located lengthwise of and within the pocket, means for supporting the pocket at its lower end, a second coiled compression cushion spring located within the pocket helically wound with the coils of the first cushion spring and extending the length



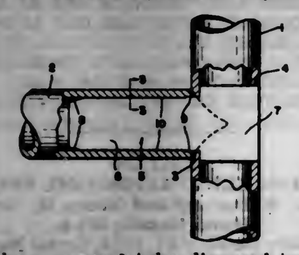
thereof, said second coiled cushion spring at its lower end portion passing through the bottom of the pocket and having a terminal portion in conjunction with the pocket supporting means, and means for securing said lower terminal portion to said supporting means.

2,567,521
CONDUIT SYSTEM
William S. McLeish, Barberton, Ohio, assignor to The Ric-wil Company, Cleveland, Ohio, a corporation of Ohio
Application December 30, 1944, Serial No. 570,672
1 Claim. (Cl. 285—193)



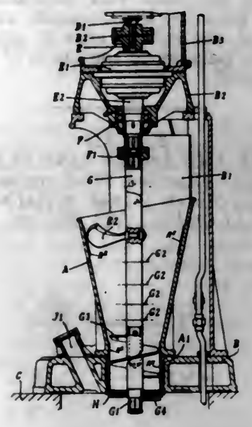
In a conduit system including a plurality of tubular casing sections arranged in axial alignment, a coupling surrounding the adjacent ends of two successive sections consisting of a flexible band wound spirally into tubular form about said ends, the edges of the band overlapping, clamping means on opposite sides of the overlap fixed to the band adjacent one end thereof and clamping said end about the end of the one of the successive sections, clamping means fixed to the band on opposite sides of the overlap adjacent the other end thereof and clamping said end upon the end of the other successive section independently of the first mentioned clamping means.

2,567,522
TUBE SECURING KEY
Clarence Moen, Spokane, Wash., assignor to Moen Ladder Company, Inc., Spokane, Wash.
Application March 25, 1950, Serial No. 151,860
8 Claims. (Cl. 287—54)



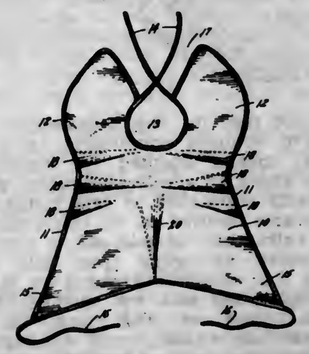
1. A tube, a second tube disposed transversely of the first tube with an end abutting a side portion of the first tube, the first tube being formed with a longitudinally extending inner slot disposed diametrically of the second tube and with a second longitudinally extending slot in its outer position opposite its first slot, and a key having a flat head extending through the first tube and the second slot thereof, and a flat body extending from the head and through the first slot and into the second tube longitudinally thereof, said key having portions of its head projecting from opposite side edges of the key and abutting the inner surface of the first tube adjoining opposite ends of the inner slot, and the body of the key being formed with shoulders located at its junction with the head and gripping the inner surface of the second tube.

2,567,523
APPARATUS FOR FEEDING CLAY OR LIKE PLASTIC MATERIAL TO MECHANISM IN WHICH IT IS TO BE MOLDED INTO POTTERY OR LIKE ARTICLES
Sydney Jack Moore, London, England, assignor to Sulzer Bros. (London) Limited, London, England, a company of Great Britain, and Josiah Wedgwood & Sons Limited, Stoke-on-Trent, Staffordshire, England, a company of Great Britain
Application June 3, 1949, Serial No. 96,871
In Great Britain June 16, 1948
11 Claims. (Cl. 25—22)



1. Apparatus for feeding clay to mechanism in which it is to be moulded into pottery articles comprising a substantially vertical preliminary tubular chamber having a rotary power-driven shaft coaxially arranged therein carrying kneading and feeding devices formed to knead clay introduced through an inlet opening near the upper end of the chamber and to force it to and through an exit at the other end of the chamber coaxial with the shaft, a final tubular chamber positioned below said preliminary chamber and having its axis disposed at a substantial inclination to both the horizontal and the vertical and containing a rotary power-driven shaft coaxial therewith and provided with kneading and feeding devices for kneading clay and feeding it from an inlet opening in the upper end of the final tubular chamber to an exit opening coaxial with the shaft and positioned in the lower end of said final tubular feed chamber, and a vacuum chamber from which air is constantly withdrawn constituting a communicating passage between the exit from the preliminary tubular chamber and the inlet opening of the final tubular chamber, the major portions of said vacuum chamber being unobstructed to permit the clay issuing from the exit opening of said preliminary chamber to fall freely through said vacuum chamber into the inlet of said final tubular chamber.

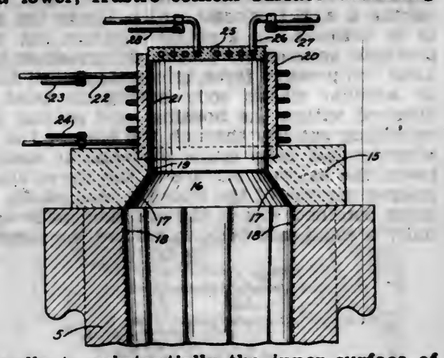
2,567,524
MAKE-UP HOOD OR CAPE
Gladys N. Merganti, Denver, Colo.
Application January 3, 1949, Serial No. 68,989
1 Claim. (Cl. 2—49)



A make up hood or cape garment comprising; two arcuate collar portions positioned at each side of a circular neck opening, the outer edges of said collar portions being substantially concentric with said circular neck opening and extending inwardly below said neck opening so as to form a relatively narrow medial portion in the garment below said neck opening, said collar portions being spaced-apart at the top of the garment to provide a neck passageway; a binding tape surrounding said neck opening; neck-tying tapes extending from the extremities of said binding tape; an apron portion below said medial portion, the sides of said apron portion flaring outwardly from the sides of said narrow medial portion so as to broaden the lower portion of said garment, the bottom edge of said apron portion being inclined upwardly from the lower extremities of said sides to converge at an apex at the middle to provide a flat V-shaped notch in the bottom of the garment separating two relatively sharp lower corners; darts in the material of said garment at each side of the narrowed medial portion thereof; a tapered pleat in the material of said garment extending from the apex of said flat V-shaped notch into said medial portion; and tying tapes projecting from each of said relatively sharp lower corners.

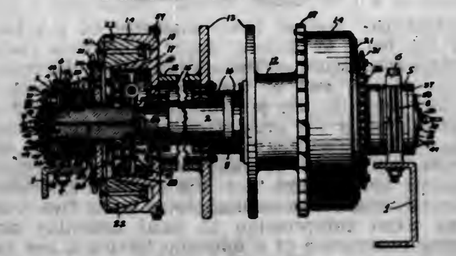
2,567,525
APPARATUS FOR CASTING METALS
Morgan J. R. Morris, Massillon, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application November 2, 1945, Serial No. 626,255
3 Claims. (Cl. 22—147)

1. Metal casting apparatus comprising a refractory reservoir for molten metal at the upper end of an ingot mold, said reservoir having a bottom surface to rest on the top of an ingot mold and having a passage therethru for molten metal defined by an upper cylindrical surface and a lower, frustro-conical surface extending



outwardly to substantially the inner surface of the mold.

2,567,526
CABLE WINCH
Loren W. Nitkey, Dudley, Idaho
Application July 9, 1948, Serial No. 37,850
4 Claims. (Cl. 254—187)

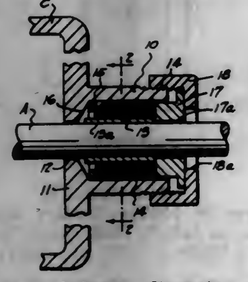


1. In a cable winch, a stationary shaft, housings into which ends of said shaft fit, means for mounting said housings upon a support, a drum rotatable about said shaft and having heads at its ends, one head constituting a clutch member and being formed with a chamber constituting a brake chamber, an adjustable clutch member adapted to have rotary motion imparted to it and being shiftable along the shaft into and out of an operative position for clutching engagement with the clutch member of the drum, a fluid operated brake in said brake chamber, means for delivering fluid under pressure to the brake structure including a passage formed in the shaft and a tube extending from said passage outwardly from the shaft to the brake, spring means yieldably holding the adjustable clutch in an inoperative position, fluid operated means carried by one housing for moving the adjustable clutch to its operative position, a ratchet wheel carried by said drum, a pawl for engaging said ratchet wheel and preventing retrograde rotation of the drum, and fluid operated means for moving the pawl into and out of operative engagement with the ratchet wheel.

2,567,527
PACKING ASSEMBLY
Asbury S. Parks, Houston, Tex.
Application July 6, 1948, Serial No. 37,184
8 Claims. (Cl. 286—26)

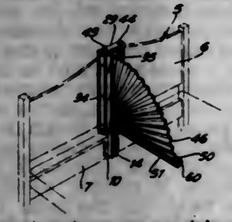
1. A packing assembly for packing off around an element including, a housing having said element extending axially therethrough, a sealing sleeve surrounding said element constructed of a material which is plastically deformable but

incapable of returning to its original shape subsequent to sustained deformation, said sleeve having a wall thickness which allows the sleeve to be deformed in a radial direction but which prevents appreciable plastic deformation by an axial compressive force before structural failure, an annular elastic body having an axial bore disposed within the housing, said sealing sleeve extending entirely through the bore of the body whereby said body spans the annular space between the exterior surface of the sleeve and the interior surface of the housing, said elastic body being confined within the annular space to initially preload said body to deform the same and



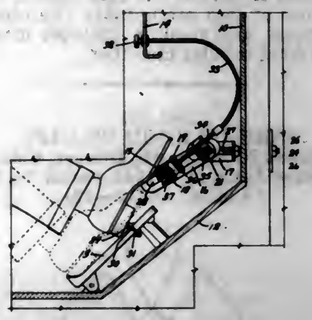
reduce the normal inner diameter of the bore of the body to thereby apply a uniform radial external pressure on the sealing sleeve, the thickness of the wall of the sleeve bearing such a relationship to the pressure which is applied to the sleeve by the preloading of the elastic body that said preloading pressure is sufficient to deform the sleeve radially inwardly into tight sealing engagement with the element extending therethrough, said sealing sleeve being free from any axial compression in final assembly and being constructed of a material having a low coefficient of friction with the element when in tight sealing engagement therewith.

2,567,528
ADJUSTABLE BED LAMP WITH EXTENSIBLE SHIELD
George J. Rosenthal, Los Angeles, Calif.
Application May 10, 1947, Serial No. 747,280
9 Claims. (Cl. 240—4)



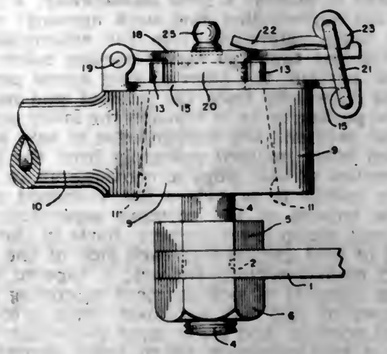
1. A lamp structure comprising a vertically elongated frame plate having a plurality of channel members on one side and extending parallel along said plate adjacent two vertical edges thereof, vertically elongated light sources positioned in each of said channels to illuminate a certain horizontal area, said channels being open on two sides thereof, a light transmitting means adapted to be positioned in said openings in said channels, and a vertically elongated foldable opaque means positioned adjacent and parallel with said channels between said light sources and adapted to be withdrawn and replaced at will to prevent light from one of said sources from illuminating a certain horizontal portion of said area.

2,567,529
ACCELERATOR PEDAL REST
Charles H. Schetzer, Goodland, Kans.
Application March 31, 1950, Serial No. 153,129
3 Claims. (Cl. 74—564)



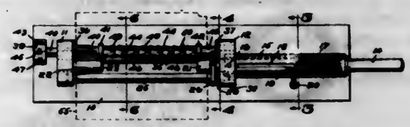
1. A foot rest for the accelerator pedals of automotive vehicles comprising: a supporting structure; means adapted for mounting said structure above an accelerator pedal; a foot rest rod movably supported by said structure; a U-shaped frame secured at its two extremities to the two extremities of said rod; a rotatable adjusting screw extending from said U-shaped frame; a nut member threaded on said screw; means supporting said nut member from said supporting structure; and means for rotating said screw and causing said U-shaped frame to move said foot rest rod toward and away from said accelerator pedal.

2,567,530
TRAILER HITCH
Earl A. Schule, Deer River, Minn., assignor of one-half to Eugene S. Morris, Houston, Tex.
Application October 29, 1949, Serial No. 124,320
5 Claims. (Cl. 280—33.17)



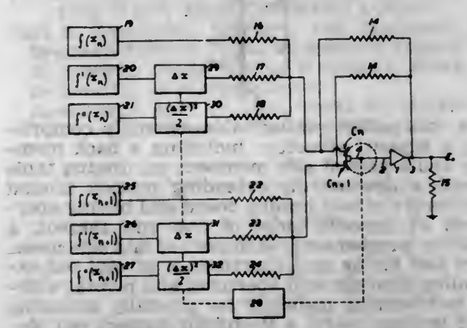
1. A trailer hitch for installation on a vehicle to receive the hitch connection from the tongue of a trailer comprising: a ball, means on said ball to secure same to a vehicle, a socket member pivotally carried on said ball, said socket member having an external contour to receive the hitch connection from a trailer tongue, said socket member having an upper end, a hub on said upper end, opposed lugs extending laterally from said hub, and a locking device detachably mounted on said hub, said locking device being adapted to overlap said hitch connection and engage said lugs to secure said hitch connection in place on said socket member.

2,567,531
COIN WRAPPER AND COUNTER
Frank E. South, Weymouth, Mass.
Application April 17, 1948, Serial No. 21,646
2 Claims. (Cl. 133—8)



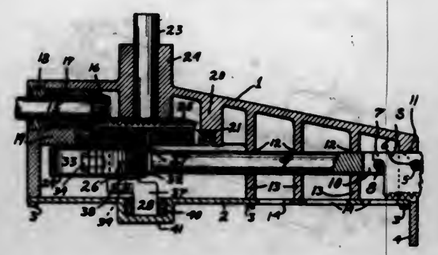
1. A portable coin-counting and -wrapping device of the kind described, comprising a base, a pair of supports upstanding therefrom and carrying opposingly positioned members to engage the opposite ends of a roll of coins to be counted, one of said members being fixed and the opposing member being sliding and rotatable, a fixed idler rod mounted between said supports, a pair of quadrants each pivotally attached to its adjacent support, a second rod and a coin-counter bar extending between said quadrants, and means actuated by said movable member to swing said quadrants with said attached idler rod and coin-counter into and out of coin-counting position.

2,567,532
ELECTRICAL ANALOGUE DEVICE
Geoffrey Huson Stephenson, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a British company
Application September 30, 1948, Serial No. 51,970
In Great Britain October 7, 1947
7 Claims. (Cl. 235—61)



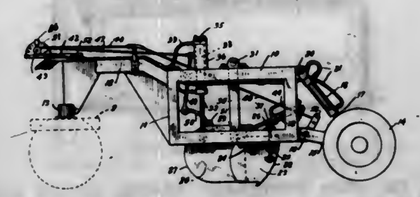
2. An arrangement for selecting different electrical signals, comprising a thermionic valve amplifier having an input circuit and an output circuit, a plurality of input points, one for each signal, means for feeding to each input point a current representative of the respective signal, make-before-break means for individually switching said input points to the input circuit of said amplifier, whereby on switching from one input point to the next the latter point is switched to said input circuit before the previous point is switched therefrom, and a separate negative feedback path from the output circuit of said amplifier to each input point, whereby said feedback paths cause said amplifier to operate with a low input impedance compared with the impedance presented to said amplifier by said feeding means, and whereby negative feedback is provided by two feedback paths to reduce correspondingly the gain of the amplifier when two input points are simultaneously switched to said input circuit.

2,567,533
POWER DRIVE FOR RECIPROCATING SAWS
Roy R. Thomas, Spokane, Wash., assignor to Lyle Gordan McLean, Spokane, Wash.
Application March 6, 1948, Serial No. 13,449
1 Claim. (Cl. 74—52)



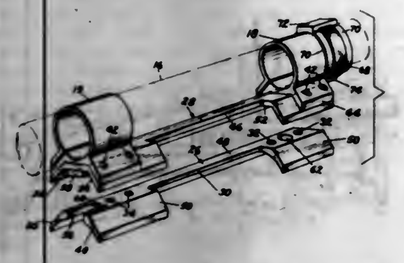
In a power drive for reciprocating saws, the combination with a housing having an inner seat and an internal gear bolted therein, a power shaft journaled in the housing and a bevel pinion thereon, a gear shaft and a bevel gear thereon, and a detachable bottom plate for the housing having a bearing cup axially lined with the gear shaft, of an eccentric shaft carried by the bevel gear and a planetary pinion on the eccentric shaft coacting with the internal gear, a crank shaft journaled in the bearing cup and bolted to the free end of the eccentric shaft, a head on the eccentric shaft, a pitman reciprocable in the housing, and an annular strap on the pitman coacting with said head.

2,567,534
LAND LEVELER
Clyde Whittier, Center, Colo., assignor of fifty per cent to Harold E. Schall, Monte Vista, Colo.
Application January 19, 1946, Serial No. 642,331
4 Claims. (Cl. 37—129)



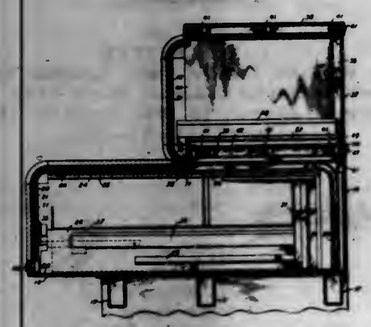
1. A land leveler comprising: a supporting frame; wheels supporting the rear of said frame; a scraper blade extending transversely across the bottom of said frame to be brought into contact with the ground, said blade curving rearwardly and upwardly on a relatively steep incline to roll earth forwardly as said frame is moved forwardly; a trough plate suspended from said frame, the rear edge of said plate being substantially parallel to and in front of said blade, thence extending horizontally forward to provide a substantially flat bottom to receive the earth rolled forwardly by said blade, thence extending upwardly to form a closed front; a hanger hingedly suspended from said frame at each extremity of said trough plate and swingingly supporting the latter from the former so that said trough plate may be swung forward and back; and means for swinging said hangers forward and back to cause said plate to approach and recede from said blade.

2,567,535
TELESCOPIC SIGHT MOUNT
Edward E. Willis and Morley S. Hewins, Hazel Park, Mich.
Application August 28, 1947, Serial No. 771,056
8 Claims. (Cl. 33—50)



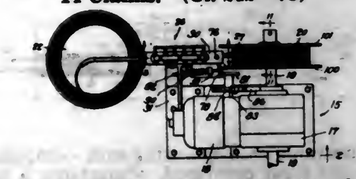
6. In a telescope mount, a supporting plate having an upright telescope holding clamping band, means for releasably locking the plate upon a rifle, and a ring-shaped control member encircling the clamping band and rotatable thereabout for actuating the locking means.

2,567,536
FLEXIBLE CURTAIN FOR SECTIONAL DESKS
Carl F. Wolters, New Canaan, Conn., and George E. Watkins, Kenmore, N. Y., assignors to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application January 7, 1948, Serial No. 930
7 Claims. (Cl. 312—271)



4. In office equipment having spaced apart parallel sides, a back connecting said sides, a shelf mounted in horizontal relation extending between said sides and back, said sides, back and shelf defining a tray cabinet, and having a flexible curtain mounted in guideways for movement along the upper and front margins of said sides for closing said cabinet, the combination of mechanism for equalizing the movement of the opposite margins of said curtain to and from its respective open and closed positions comprising inwardly disposed horizontal racks carried by the curtain guideways on the opposite sides in said tray cabinet, a transversely disposed shaft arranged to span said cabinet, means including bearings, dependently mounting said shaft for rotation carried by said curtain intermediate its length, a pair of gears, one said gear being mounted on each end of said shaft for rotation therewith, and intermeshing with said racks, and washers carried on each end of said shaft to prevent lateral disengagement of said gears and rack.

2,567,537
WIRE WINDING MACHINE AND METHOD OF FORMING COILS OF WIRE
Ernest Robert Workman, Chicago, Ill.
Application July 5, 1945, Serial No. 603,375
14 Claims. (Cl. 242—78)



1. In a machine of the character described comprising means for withdrawing wire from a supply coil, a rewind reel for winding the withdrawn wire in a rewound coil, and means for rotating the withdrawn wire a predetermined amount about its longitudinal axis in its travel from said supply coil to said rewound coil whereby the wire in said rewound coil has a predetermined torsion strain therein.

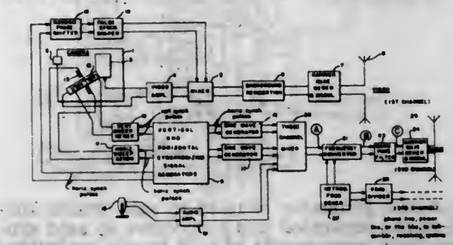
2,567,538
COLLAPSIBLE IRONING TABLE
Walter L. Anderson, Wichita, Kans.
Application April 12, 1947, Serial No. 741,032
1 Claim. (Cl. 38—127)



A collapsible ironing table assembly comprising a support structure including a back member and a pair of side members, an ironing table board, a downwardly extending portion around the border of said ironing board and having apertures at opposite sides of one end thereof, a bearing member secured to each of said side members and facing said apertures, a pivotal rod extending through said apertures and pivotal within said bearing members for pivotally mounting said ironing board, a U-shaped support rod pivotally mounted at its bight on the bottom surface of said ironing board, a pair of guide members having locking apertures and disposed vertically on said back member and projecting outwardly therefrom having flanged portions parallel to and spaced from said back member and spaced from each other thereby defining a guide passageway, and projections on the free end of said U-shaped support rod slidable in said guide passageway and movable into locking apertures of said guide members for locking the table in the operative position.

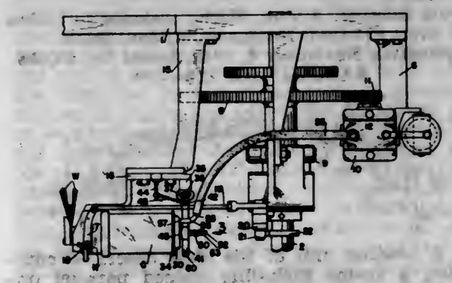
2,567,539
SUBSCRIBER TELEVISION SYSTEM
Nathan W. Aram, Park Ridge, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application June 25, 1948, Serial No. 35,296
12 Claims. (Cl. 178—5.1)

1. A subscription type of television transmitter comprising: a picture-converting device; a scanning system for controlling said device to develop during recurrent trace intervals a video-frequency signal representing a subject scanned by said device and including a synchronizing-signal generator for developing a synchronizing signal; means for modulating said video-frequency signal on a first carrier wave for radiation to a point remote from said transmitter; a sound-converting device for producing an audio-frequency signal; a mixer device coupled to said synchronizing-signal generator and to said sound-convert-



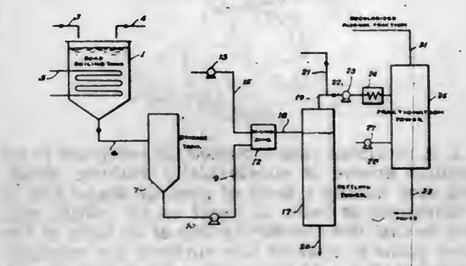
ing device for combining said synchronizing signal and said audio-frequency signal to produce a combined signal; a coding circuit coupled to said mixer device for coding said combined signal in response to an applied coding signal; means for modulating said coded signal on a second carrier wave for radiation to said remote point; and means for supplying a coding signal to said coding circuit and for supplying a key signal representing said coding signal to a line circuit extending to said remote point.

2,567,540
PNEUMATIC THREAD COLLECTOR SYSTEM FOR WEFT REPLENISHING LOOMS
Carl P. Bergstrom, Millbury, and Benjamin W. Brouwer, Auburn, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1950, Serial No. 156,204
13 Claims. (Cl. 139—256)



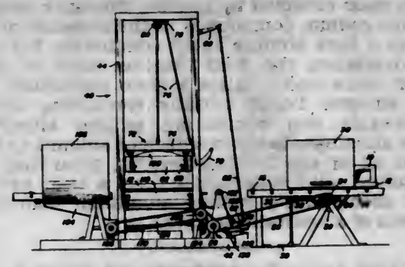
1. In a pneumatic thread control system for a weft replenishing loom having a source of subatmospheric pressures and a hollow collector for waste threads, a cover normally closing the collector, means mounting the cover for rotation thereon and about an axis around which the cover swings when moving away from the closed position thereof, and a resilient tubular member secured at one end thereof to said source and having the other end thereof fixed with respect to the cover, said cover when turning about said axis in a direction away from the closed position thereof tending to create torsional strains in said tubular member but turning relatively to said means in a direction to reduce said torsional strain.

2,567,541
MANUFACTURE OF HIGHER ALCOHOLS
Howard C. Black, Chicago, Ill., and William M. Leaders, Houston, Tex., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1946, Serial No. 686,332
7 Claims. (Cl. 260—643)



1. A process for the treatment of waxes containing saturated and unsaturated esterified alcohols, which comprises, saponifying the wax to obtain soap and the alcohols, subjecting the saponification products while fluid in the presence of a liquefied normally gaseous hydrocarbon to an elevated temperature and superatmospheric pressure whereby two fractions are formed, the lower of said fractions containing soap and the other containing the alcohols, subjecting the latter fraction to increased pressure and temperature in the presence of additional liquefied normally gaseous hydrocarbon whereby two phases are obtained, the upper of which is relatively rich in saturated alcohols, and separating the phases.

2,567,542
BATTERY BREAKING MACHINE
William O. Blake, Seattle, Wash.
Application September 29, 1949, Serial No. 118,656
7 Claims. (Cl. 136—176)



1. A machine for recovering the lead and casings from salvage batteries comprising an open frame rack to receive a plurality of batteries, rotary hammers operatively mounted below said frame rack to remove the sealing material from the tops of the batteries carried by said rack, fluid jet means located adjacent said rack and in advance of said hammers to wash the electrolyte from the batteries while supported on the rack, a separator including a carriage disposed adjacent to said rack to raise the batteries, trip means operatively connected with said carriage to drop the batteries in inverted position, bars supporting said rack, said rack comprising means to arrest the casings of the dropped batteries, whereby the cores of the batteries are separated from the casings by gravity, a conveyor for the cores, and a washer for empty casings.

2,567,543
RETAINING RING
Jules J. Brell, Baldwin, N. Y.
Application March 25, 1948, Serial No. 17,049
4 Claims. (Cl. 85—8.5)



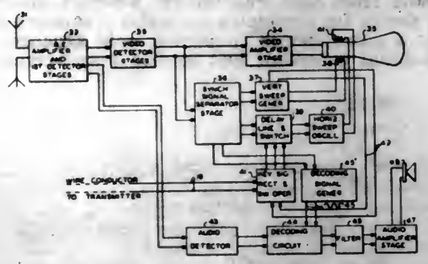
1. A retaining ring intended for reception in an annular groove of substantially uniform width, said ring having a body of circular shape and of a thickness at least as great as its width, said ring having the greater portion of its body in the same plane so that its side surfaces are substantially parallel, said ring having overlapping ends, one of said ends being in the same plane as the body of the ring, the second end being offset and out of the plane of the body of the ring and extending alongside of the first end, the second end having a lateral lug portion, the first end and the lateral lug portion of the second end constituting projections for engagement by a tool to enable the body of the ring to be expanded.

2,567,544
PROCESS FOR THE MANUFACTURE OF SODIUM ALUMINUM FLUORIDE
Erling Brodal and Henning Guldhav, Hoyanger, Norway, assignors to Aktieselskapet Norsk Aluminium Company, Lokkevelen, Norway
No Drawing. Application January 31, 1946, Serial No. 644,656. In Norway January 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 26, 1965
2 Claims. (Cl. 23—88)

1. A process for the manufacture of sodium aluminum fluoride starting from a solid reaction mass obtained by heating fluorspar with alkaline sodium compounds in the presence of silica as a lime binding agent comprising the steps of lixiviating the solid reaction mass of fluorspar, silica and alkaline sodium compound with an aqueous liquid initially containing sodium hydroxide and containing sodium aluminate, said aluminate being in sufficient amount to react with all of the fluorine present, separating undissolved solid materials to form a clear solution and precipitating sodium aluminum fluoride by means of a neutralizing agent.

2,567,545
SUBSCRIPTION-TYPE TELEVISION RECEIVER
Jesse E. Brown, Glencoe, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 30, 1948, Serial No. 52,079
4 Claims. (Cl. 178—5.1)

1. A subscription type of television receiver for utilizing an image modulated signal including synchronizing-signal components and for further utilizing a coded audio modulated signal received concurrently with said image signal and coded in accordance with a continuous-wave coding signal synchronized with said synchronizing-signal components, said receiver comprising: an image-reproducing device and an associated scanning system; apparatus for supplying the image information of said image modulated signal to said reproducing device; a synchronizing-signal separator coupled to said apparatus for deriving said synchronizing-signal components of said image-modulated signal for application to said scanning system; a sound-reproducing device; means, including a decoding circuit, for supplying the audio information of said audio modulated signal to said sound-reproducing device; and a decod-



ing-signal generator coupled to said synchronizing-signal separator and responsive to said synchronizing components of said image-modulated signal for developing and supplying to said decoding circuit a continuous-wave decoding signal synchronized as to frequency and phase with said continuous-wave coding signal.

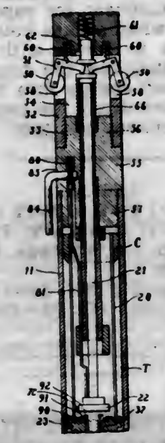
2,567,546
3-PHENYLPHTHALIDYL-3-ACETIC ACID
Alfred Burger, Charlottesville, Va., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application August 8, 1950, Serial No. 178,343
1 Claim. (Cl. 260—344.6)
3-phenylphthalidyl-3-acetic acid.

2,567,547
HEATING ELEMENT SUPPORT UNIT FOR OVENS AND THE LIKE AND THE METHOD AND APPARATUS FOR USE IN THE MAKING OR ASSEMBLING THE SAME
Harold Bussing, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application November 8, 1948, Serial No. 58,858
5 Claims. (Cl. 219—19)



2. A heating unit of the class described comprising a frame including spaced parallel opposed side members, a plurality of springable rod-like cross members disposed in spaced parallel relation and weldingly secured to the opposed side members, said cross members having longitudinally spaced downwardly offset upwardly facing loops therein constituting insulator holders, the arms of the loops converging inwardly providing restricted throats for the holders, the adjacent arms of the loops being connected by reaches of substantial length, the cross members being springable to upwardly bowed positions thereby expanding the throats of the holders to insulator receiving position, the springability of the cross members acting to restrict the throats to insulator retaining position when the bowing stresses on the cross members are released.

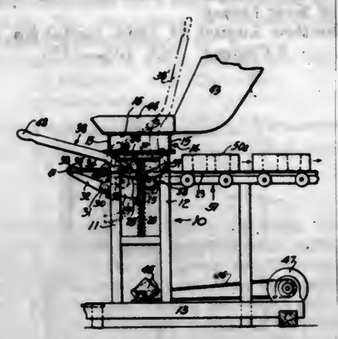
2,567,548
WELL TUBING CALIPERING AND RECORDING DEVICE
Preston E. Chaney and William E. Barnes, Beaumont, Tex., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 7, 1946, Serial No. 689,036
3 Claims. (Cl. 33—178)



3. In an internal tube wall calipering and recording device adapted to be passaged through an extended length of tubing the combination comprising an elongated housing, a cylindrical recorder member, a holder carrying said member and mounted in said housing for simultaneous rotative and longitudinal movement therein, driving means for said holder, a clutch between said driving means and said holder, a stylus member positioned in scribing relation with said recorder member, a plurality of calipering members spaced circumferentially of said housing and adapted for lateral movement in response to surface irregularities of the tube wall being calipered, said calipering members each having an inwardly extending part and an outwardly projective part retractable from the tube wall, a mechanical actuator mounted for reciprocal movement within the housing and engaged at one end by said inwardly extending parts and at the other end by said stylus member, means for resiliently urging the outwardly projective parts of said calipering members toward contact with the tube wall and the inwardly extending parts toward abutment with said actuator, means for limiting the longitudinal movement of said recorder member toward said calipering members, and means carried by said holder for pushing said actuator in a direction toward the calipering members as the recorder member approaches said limit of longitudinal movement and thereby urging said outwardly projective parts toward retracted position.

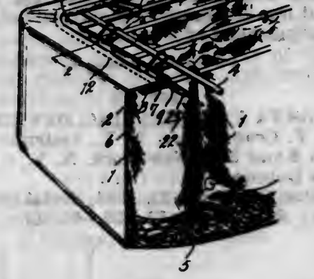
2,567,549
MACHINE FOR MOLDING CONCRETE BLOCKS
Joseph O. Christensen, Las Vegas, Nev.
Application October 31, 1945, Serial No. 625,844
12 Claims. (Cl. 25—41)

1. A plastic-block forming machine comprising a mold; pallet means movable up or down below the mold; and elevator means disposed to raise the pallet into position to at least partially form the bottom of the mold; said elevator means including a toggle-joint construction in which the stressed position of the toggle arms is transverse to the line of travel of the pallet means and at the same time is located between the lower point



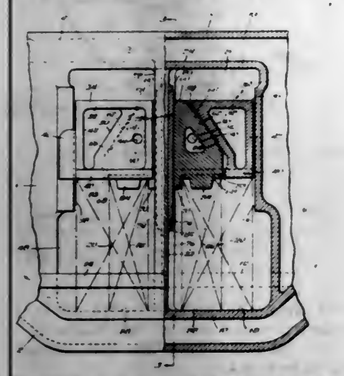
of travel and the raised point of travel of said pallet means; and means operative to form or to break, as the case may be, the stressed position of the toggle arms.

2,567,550
UPHOLSTERY COVERING ATTACHING MEANS
William A. Clark and Vito Asaro, Detroit, Mich., assignors to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application September 1, 1948, Serial No. 47,234
9 Claims. (Cl. 155—184)



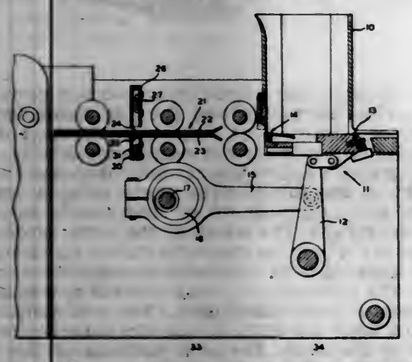
1. A device for attaching upholstery coverings to spring assemblies and the like, comprising a strip of fabric folded longitudinally upon itself, a relatively stiff strand comprising a wire core and paper twisted therearound disposed in the bight of the folded strip, there being a row of stitches through the folded strip closely adjacent to the strand, the edges of the strip projecting beyond the stitches and constituting an attaching flap adapted to be stitched to an upholstery covering, and a plurality of longitudinally spaced hooks formed of wire folded upon itself and conformed into a hook, the bight of the wire constituting the bill of the hook, the arm portions of the wire constituting shank members, the shank members being inserted through the strip at the inner side of the strand and retainingly clinched upon the strand, said strand constituting means to facilitate uniform distribution of stresses from the hooks to the fabric strip.

2,567,551
SNUBBED TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 31, 1948, Serial No. 46,950
3 Claims. (Cl. 105—197)



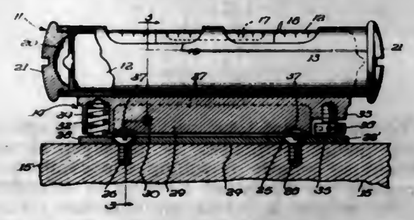
2. In a railway car truck, a side frame comprising tension and compression members and spaced columns defining a bolster opening, a friction panel within said opening integrally united with said members medially between said columns and lying in a vertical plane bisecting said frame transversely, friction surfaces on opposite sides of said panel extending parallel to said plane immediately adjacent thereto, a friction shoe engaging each surface, a bolster spring-supported from the tension member and comprising spaced parallel legs extending into said opening at opposite sides of said panel and in wedge engagement with respective shoes, spring means compressed between each shoe and said tension member, and guide means on said columns adapted for abutment with said legs for limiting movement of said bolster longitudinally of the frame.

2,567,552
DATA CARD SENSING DEVICE
William F. Cronin, Rye, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application December 23, 1950, Serial No. 202,455
8 Claims. (Cl. 235—61.11)



8. A sensing mechanism for sensing the data in punched cards comprising, a sensing chamber for supporting a data card in a sensing position, a piezoelectric transmitting transducer enclosed in a shielded compartment and positioned on one side of the sensing chamber for supplying sound energy when energized by a source of electric power, a piezoelectric receiving transducer also enclosed in a shielded compartment positioned on the other side of the sensing chamber and in alignment with the transmitting transducer for receiving sound energy through a data hole in the card and transforming said energy into electrical power, a translating circuit connected to the receiving transducer for supplying a signal to a load circuit when a data hole is sensed, and switching means in series with the receiving transducer for disabling the transformation of any received sound energy into electrical power except at the time when the data card is in a predetermined sensing position.

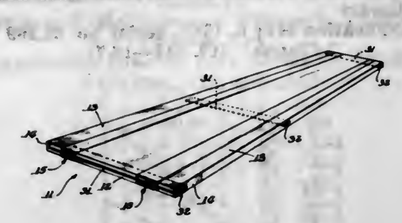
2,567,553
MOUNTING FOR SPIRIT LEVELS
Clarence P. Davey, Oak Park, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application June 11, 1947, Serial No. 753,989
2 Claims. (Cl. 33—214)



2. A spirit level comprising an elongated bubble member, a channel member forming a support bracket having a pair of spaced parallel side flanges and a connecting web forming the bottom of the channel member, said web having an end forming a bearing lug projecting beyond the ends of said flanges, at one end of the bracket, means forming a rib on and extending longitudinally of said elongated bubble member, said rib being sized to fit snugly between said spaced flanges and to extend beyond the ends of said flanges to form a seat at one end of said rib opposite said bearing lug, a pivot pin mounted on and pivotally interconnecting said flanges and rib for supporting said bubble member for tilting movement on said bracket, spring means bearing at opposite ends on said bracket and bubble member to normally urge the bubble member in one direction on said pivot pin with respect to said bracket, and an adjusting screw threaded in said rib at said seat, said screw having a head in position bearing upon said bearing lug and being turnable to adjust the relative angularity of the bubble member on said pin with respect to said bracket against the force of said spring.

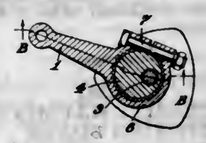
2,567,554
STRAIGHTEDGE CONSTRUCTION
Clarence P. Davey, Oak Park, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application June 11, 1947, Serial No. 753,990
8 Claims. (Cl. 33—107)

1. A ruler construction comprising a body member having oppositely facing substantially parallel surfaces and a support edge at and along a side of said member, said surfaces of said member being undercut at and inwardly of said support edge to form a tongue of lesser thickness than the spacement between said surfaces, an edge strip having opposite edges respectively forming a ruling and a mounting edge, and being of substantially uniform thickness not greater than the thickness of said tongue, and a relatively flat enlongated clip for securing said edge strip on said tongue, said clip providing a pair of spaced side walls and a medial partition web



normal to and extending between said side walls to form a pair of oppositely opening channels respectively adapted to receive and resiliently grip said tongue and the mounting edge of said strip, whereby to support the clip and edge strip on said body member entirely between the spaced planes of the surfaces of said body member.

2,567,555
OPERATING LEVER, PARTICULARLY FOR USE WITH THE THROTTLE VALVES FOR INTERNAL-COMBUSTION ENGINES
Christopher Ainsworth Davis, Barrow on Soar, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application January 23, 1947, Serial No. 723,856
In Great Britain December 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 4, 1965
7 Claims. (Cl. 74—559)



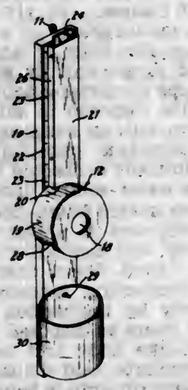
7. An operating lever mounting comprising a lever, a rotatable member to be operated by said lever having a tapered externally serrated portion, a hub having an eccentric opening with a plurality of internal serrations adapted to intermesh with the serrations on the tapered portion of said rotatable member in any of a plurality of angularly adjusted positions of the hub about the axis of rotation of said member, fastening means on the narrower end of the tapered portion of said rotatable member abutted directly against said hub for causing the serrations to mesh together to provide a driving fit of the hub on said rotatable member, a split ring on said lever in which said hub is rotatably adjustable, concurrently with the adjustment of the hub about the tapered portion of said rotatable member, to alter the effective length of said lever, the adjacent contacting surfaces of said hub and lever being substantially concentric and approximately cylindrical from side to side of said ring and the hub, said ring and hub having complementary serrations on their inner and outer concentric contacting portions, and means for contracting the split ring to cause the last mentioned serrations to mesh together to bind the hub to rotate with said ring and lever.

2,567,556
METHOD AND APPARATUS FOR REGULATING THE OPERATION OF AN OPEN-FIRE TUNNEL KILN
Philip d'Hue Dressler and Carl Crandall Hopkins, Pittsburgh, Pa., assignors to Swindell-Dressler Corporation, Pittsburgh, Pa.
Application June 2, 1949, Serial No. 98,722
16 Claims. (Cl. 25—142)



1. In heating and oxidizing ceramic wares in an open-fire continuous tunnel kiln comprising initial heating, oxidizing, final heating and cooling zones or kiln chamber sections through which the wares successively pass as they are moved through the kiln chamber from its entrance end to its exit end, the method which consists in heating the wares from about atmospheric temperature to a substantially higher oxidizing temperature and then further heating the wares to a temperature higher than said oxidizing temperature by the combustion of fuel, effected mainly in said final heating zone, and by moving gaseous products of combustion thereby formed out of the final heating zone into and through the oxidizing zone and thence into the initial heating zone and through a major portion, at least, of the last mentioned zone, and continuously maintaining an oxidizing atmosphere and temperature in said oxidizing zone and opposing the tendency of said gaseous products of combustion to increase the temperature in the last mentioned zone by injecting downwardly directed jets of gaseous material at a temperature substantially below said constant temperature into an upper portion of the kiln chamber adjacent the adjacent ends of said oxidizing and final heating zones and by passing a gaseous material normally at a temperature substantially above said oxidizing temperature, into the lower portion of said oxidizing zone at points distributed along the length of the kiln, said gaseous material including sufficient oxygen to effect oxidation of the wares.

2,567,557
RIFLE TARGET
Peter Fedrowich, Detroit, Mich.
Application October 6, 1949, Serial No. 119,964
5 Claims. (Cl. 273—102)



1. A target assembly of the kind described, said assembly including a vertical board, a hori-

zontally-disposed hollow drum mounted thereon, the axis of the drum being at right angle to the plane of the board, said drum having an open front, a slot at the top, and an outlet at the bottom, said slot and said outlet being alined vertically, a vertical chute mounted on top of the drum over the slot in said top, a narrow strip of a frangible material slidingly disposed within the chute, and a pin within the drum below the center thereof for support of said strip from below.

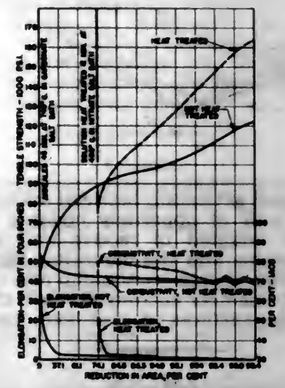
2,567,558
ASBESTOS SHEET MATERIAL AND METHOD OF MANUFACTURE
Harold W. Greider and Marion F. Smith, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application December 29, 1944, Serial No. 570,477
15 Claims. (Cl. 117—126)

14. In the manufacture of a flexible bibulous coherent sheet-like body of felted fibers consisting in major proportion by weight of asbestos fibers, the steps comprising contacting the asbestos fibers while disposed in said sheet-like body of felted fibers with an aqueous solution of a water-soluble inorganic compound containing a sulphate anion, said asbestos fibers being initially contacted with said aqueous solution of a water-soluble inorganic compound containing a sulphate anion after the fibers in said felted-fiber sheet-like body have been disposed in felted relation in said sheet-like body, and thereafter drying the sheet-like body of felted fibers, thereby bonding together the contacting asbestos fibers in said sheet-like body by interaction in situ between said asbestos fibers as disposed in felted relation in said sheet-like body and said compound, said solution of said water-soluble inorganic compound containing a sulphate anion being applied at such concentration that said sheet-like body after drying is flexible and bibulous.

2,567,559
ASBESTOS SHEET MATERIAL AND METHOD OF MANUFACTURE
Harold W. Greider and Marion F. Smith, Wyoming, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application December 29, 1944, Serial No. 570,478
20 Claims. (Cl. 117—126)

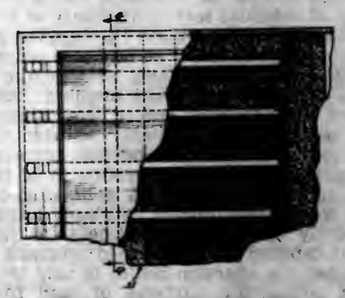
19. In the manufacture of a flexible, bibulous coherent sheet-like body of felted fibers consisting in major proportion by weight of asbestos fibers, the steps comprising contacting the asbestos fibers while disposed in said sheet-like body of felted fibers with an aqueous solution of a water-soluble inorganic phosphate, said asbestos fibers being initially contacted with said aqueous solution of a water-soluble inorganic phosphate after the fibers in said felted-fiber sheet-like body have been disposed in felted relation in said sheet-like body, and thereafter drying the sheet-like body of felted fibers, thereby bonding together the contacting asbestos fibers in said sheet-like body by interaction in situ between said asbestos fibers as disposed in felted relation in said sheet-like body and said water-soluble inorganic phosphate, said solution of said water-soluble inorganic phosphate being applied at such concentration that said sheet-like body after drying is flexible and bibulous.

2,567,560
HEAT-TREATMENT OF COPPER-SILVER BINARY ALLOYS
Allen W. Hodge, Columbus, Ohio, assignor, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
Application May 6, 1948, Serial No. 25,509
2 Claims. (Cl. 148—12.7)



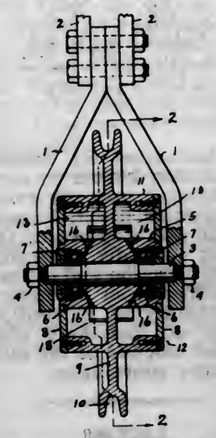
1. A method of processing binary alloys of copper and silver which contain at least 3% and not more than 8% silver, which comprises solution heat treating and quenching the alloy, whereby substantially all of the alloy is in the copper-rich single phase, cold working the resulting alloy until a cross-sectional reduction in area of at least 75% and not more than 95% is obtained, aging the cold-worked alloy at temperatures ranging from 350° C. to 500° C. for a period of at least five minutes and less than thirty minutes, and cold working the aged alloy until an additional reduction in cross-sectional area of approximately 97% is produced.

2,567,561
UNIFORM INTENSITY ILLUMINATION FOR VIEWING BOXES
Walter W. Hoffmann, Bellwood, Ill., assignor to General Electric Company, a corporation of New York
Application June 24, 1947, Serial No. 756,723
6 Claims. (Cl. 240—1)



4. Illumination apparatus comprising a translucent panel, a tubular lamp forming a line light source spaced behind and parallel to said panel, and a reflector disposed behind said lamp in position to reflect light received therefrom upon said panel to illuminate the same, said reflector having progressively increasing reflectivity from the portions thereof disposed behind the mid portion of the lamp toward the opposite ends of the reflector disposed behind the ends of the lamp.

2,567,562
SHEAVE
William K. Holleron and William L. Buckley, Victoria, Tex.
Application June 16, 1947, Serial No. 754,886
6 Claims. (Cl. 308—117)



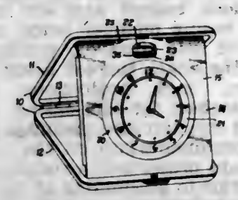
1. A sheave comprising, an axle, a hub mounted to rotate on the axle and spaced therefrom to form a lubricant receiving enclosure about the axle, and said hub having a duct leading to the said enclosure, a line supporting element on the hub and having an enclosed lubricant containing chamber with which said duct communicates, an external baffle on the hub located adjacent and rearwardly of said duct, said baffle being forwardly curved.

2,567,563
SHADE-ROLLER WRENCH
Lloyd F. Hribar, Duluth, Minn.
Application January 16, 1948, Serial No. 2,701
3 Claims. (Cl. 81—3)



1. A shade roller wrench comprising a body member having a handle portion and a head portion, a non-circular socket disposed substantially centrally of the head portion, said socket being adapted to fit about the end of the shade roller shaft and being non-rotatable relative to the shaft, a guide connected with the head portion and having wall means adapted to fit about the end of the shade roller and to engage the periphery of said end at three or more positions spaced apart on an arc of more than 180°, said guide having its axis substantially coinciding with the axis of said socket, and said wall means being adapted to rotate about the end of the shade roller, a dog extending at an angle from the plane of said head portion and being rigidly connected with the head portion radially closer to the socket than is the wall means, said dog being adapted to be rotated past the pawls of the shade roller by shifting the pawls about their pivotal mountings when the spring of the shade roller is being wound up by the wrench and being adapted to engage said pawls and be stopped thereby from rotation when the wrench is rotated in the opposite direction.

2,567,564
TRAVELING CASE FOR POCKET WATCHES
Dudley S. Ingraham, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application February 13, 1948, Serial No. 8,237
5 Claims. (Cl. 58—88)



1. In a travel case for carrying a pocket watch having a bail, the combination including: a front cover; a back cover hinged to said front cover; a watch-mounting panel comprising an apertured front plate hinged to one of said covers and an apertured rear plate and fastening-elements for fixedly securing said rear plate to said front plate with the aperture thereof coincident with the aperture of said rear plate; means on the said rear plate to detachably secure said watch thereto with the face of said watch projecting through the coincidental apertures of said panel to the front side thereof; and a flange on said rear plate constructed and arranged to cooperate with the rear face of said front plate to form a pocket for receiving the bail of said watch, said flange comprising a pair of laterally-spaced leg-portions extending rearwardly from the rear face of said rear plate and constituting an apertured bottom wall of said pocket, and a lip-portion connecting said laterally-spaced leg-portions and bent upwardly substantially perpendicular thereto to form the rear wall of said pocket, said bail being arranged to project up through the apertured bottom wall of said pocket and to be oriented therein by engagement of the inner edges of said respective leg-portions of said flange with the respective outer sides of said bail, said bail being held in said pocket by coaction of the rear wall of said pocket with the rear face of said bail.

2,567,565
HANDLE
Isaac S. Keeler and Gerald V. Jakeway, Grand Rapids, Mich., assignors to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application December 8, 1945, Serial No. 633,643
7 Claims. (Cl. 292—347)



3. A hardware article comprising a longitudinally curved metal handle bar formed as an

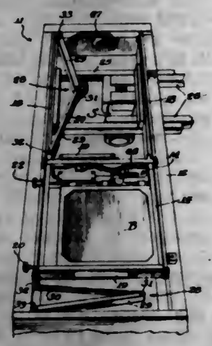
integral metal member solid in cross section and having a spindle socket at its inner end and having inwardly facing grooves in its inner side adjacent to but spaced from the edges thereof providing inwardly projecting border flanges and also having a series of longitudinally spaced lug-like projections disposed centrally on its front, and a hollow preformed casing member generally U-shaped in cross section and of thermoplastic moldable material conformed to supportingly embrace the front and sides of the handle bar and having openings therein through which the said projections extend and are exposed, the sides of the casing member being extended inwardly around said inwardly projecting border flanges and the edges thereof being turned into said grooves, said projections constituting anchoring members for said casing, said projections exposed through said openings constituting features of ornamentation on the outer side of the casing, said projections extending from said handle bar prior to assembling of the handle bar and casing member to each other to facilitate such assembling.

2,567,566

X-RAY APPARATUS

Arthur J. Kizaur, Wauwatosa, Wis., assignor to General Electric Company, a corporation of New York

Application July 15, 1949, Serial No. 104,903
6 Claims. (Cl. 250—58)



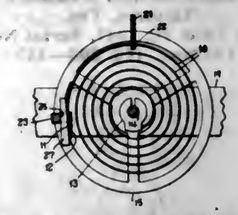
1. In an X-ray apparatus comprising a support table structure including a frame and a panel forming a top on which to support an object for X-ray exposure, an under panel carriage for X-ray sensitive material movable on said frame, longitudinally of and beneath said panel, between the opposite ends of said table structure, in position to cooperate with an X-ray source supported above the panel, and means for supporting X-ray sensitive material in position, above the panel, to cooperate with an X-ray source disposed beneath the panel, wherein the table structure is formed with an elongated opening beneath the panel affording access to said under panel carriage, in any longitudinally adjusted position thereof in the table structure, the combination, with said frame and carriage, of X-ray opaque screen means comprising relatively hinged plates at least one of which is pivotally connected with the carriage and another of which is supported by the frame, said plates being movable, in response to movement of said carriage toward one end of said frame, into position to screen the said opening, between said carriage and the opposite end of the frame.

2,567,567

HAIRSPRING FOR TIMEPIECES

Walter Kohlhagen, Elgin, Ill., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut

Application April 5, 1948, Serial No. 18,880
3 Claims. (Cl. 58—115)



1. A spiral hairspring for timepieces having its outer convolution kinked to provide a relatively short integral inwardly-extending stop-reach and a terminal-reach integral with the inner end of the said stop-reach; the said stop-reach extending inwardly generally in a substantially-radial direction and the said terminal-reach being inclined from the inner end of said stop-reach outwardly to a point substantially coinciding with an imaginary circumferential line touching the junction of the said stop-reach and the said outer convolution.

2,567,568

BAFFLE TYPE MUFFLER WITH PLURAL EXPANSION CHAMBERS

Peter A. Lievense and Harry T. Phillips, Jackson, Mich.

Application August 25, 1949, Serial No. 112,323
9 Claims. (Cl. 181—57)



9. A muffler for internal combustion engines comprising a series of body elements having connected tubular inlet portions and outwardly tapering expansion chamber portions, succeeding elements of the series being arranged with their inlet portions concentrically within the large ends of the expansion chamber portions of preceding elements, each preceding element having an end wall across the large end of its expansion chamber portion through which the inlet portion of the next succeeding element is disposed and secured, there being an annular space between the inlet portions and the surrounding expansion chamber portions, the forward end of each succeeding inlet portion being closed, the side walls of said inlet portions being provided with a plurality of inlet openings.

2,567,569

PERFLUORINATION OF HYDROCARBONS WITH LEAD TETRAFLUORIDE

Earl T. McBee, West Lafayette, Ind., and Richard Marion Robb, Wilmington, Del., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Application December 19, 1944, Serial No. 568,939
3 Claims. (Cl. 260—653)

1. The process which includes reacting a compound selected from the group consisting of alkanes and alkenes with lead tetrafluoride at a temperature in the range between about fifty degrees centigrade and that temperature at which substantial decomposition of the organic reactant occurs, for a period of time sufficient to convert at least a portion of the starting organic compound to a perfluoroparaffin.

2,567,570

MAGNETIC PICKUP FOR STRINGED MUSICAL INSTRUMENTS

Theodore M. McCarty, Kalamazoo, Mich., assignor to Gibson, Incorporated, Kalamazoo, Mich., a corporation of Michigan

Application November 2, 1948, Serial No. 57,987
13 Claims. (Cl. 84—1.01)



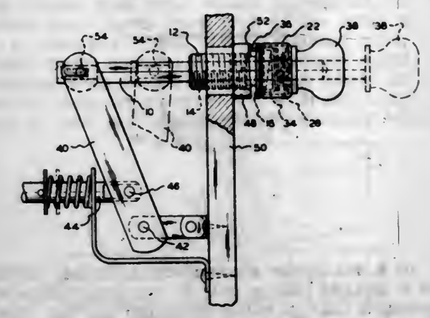
1. In combination with a guitar, a combined finger rest and magnetic pickup comprising, a rest panel having a longitudinal edge positioned adjacent to the strings of the guitar, an extension projecting from an intermediate portion of said edge between said strings and the top of said guitar, magnetic pickup mechanism secured to the under side of said extension and having individual magnets projecting upwardly therethrough underneath the strings of the guitar, said mechanism including a lower casing of soft iron forming a return path for the fields of said magnets, volume and tone control switches mounted on said panel and electrically connected to said mechanism, a jack mounted on the under side of said panel, a supporting foot on the under side of said panel adjacent to the upper end thereof, an attaching boss secured to the under side of said panel toward the lower end thereof and a U-shaped clamp having an offset in its upper leg received in said boss, said clamp clampingly supporting said panel on the rim of said guitar.

2,567,571

SCREW ADVANCED RAPID TRAVERSE FORCE APPLYING UNIT

Henry H. Merriman, Jackson, Mich.

Application October 15, 1947, Serial No. 780,073
6 Claims. (Cl. 74—503)



1. A combination screw advanced and rapid traverse force applying unit comprising a threaded bushing adapted to be received in a threaded aperture and axially moved in opposite directions therein upon rotation, a housing located at one end of said bushing and attached thereto, aligned longitudinally extending apertures in said bushing and housing to receive a bar, clutch means located in said housing, an operative connection between said clutch means and said bushing, a bar extending through said aligned openings and engageable by said clutch means to resist relative axial movements between said bar and said bushing, means by which said clutch is actuated to release said bar for longitudinal movement relative to said bushing, and means constituting a rotational drive connection between said bar and bushing whereby said bushing may be rotated by said bar.

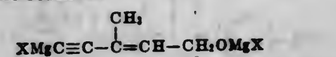
2,567,572

SYNTHESIS OF VITAMIN A

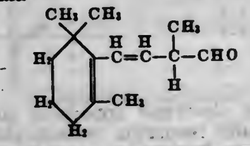
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 28, 1947, Serial No. 788,683
6 Claims. (Cl. 260—617)

1. Process which comprises reacting a compound of the formula

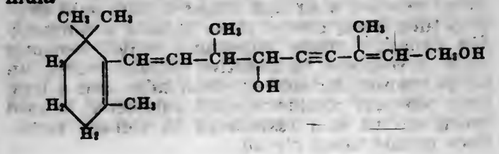


wherein X stands for halogen with a compound of the formula

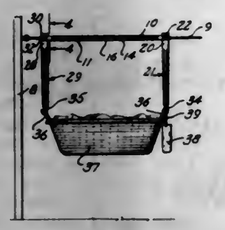


obtainable by application of the Darzens synthesis to β-ionone.

5. As a new product the compound of the formula

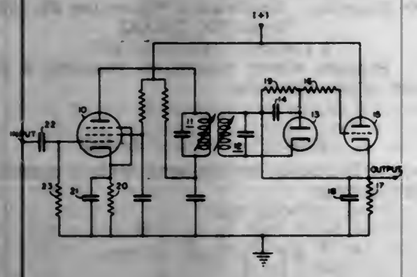


2,567,573
CLOTHES BASKET HANGER
William H. Morris, Madison, Ala.
Application August 20, 1948, Serial No. 45,415
2 Claims. (Cl. 105—150)



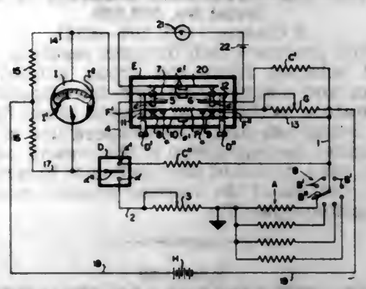
1. In a device for suspending a clothes basket from a clothes line, a pair of vertically-disposed suspension rods, a roller mounted on the upper end of each of said suspension rods for engagement with said clothes line, means on each of said suspension rods for engagement with said clothes basket for supporting the latter, and means operatively connecting said rods together, said last-named means comprising a first arm provided with a plurality of apertures secured to one of said suspension rods, a second arm provided with a plurality of apertures secured to the other of said suspension rods, said arms being arranged in side-by-side relation and mounted for longitudinal movement relative to each other, and a securing element adapted to be inserted through a pair of registering apertures in said arms.

2,567,574
INTEGRATING CIRCUIT
Jasper J. Okrent, Great Neck, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 29, 1946, Serial No. 673,201
3 Claims. (Cl. 250—27)



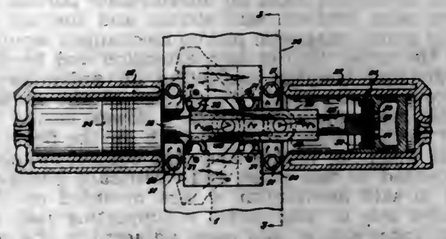
1. A tuned electrical apparatus for integrating periodically recurring voltage pulses having a self-damping frequency responsive circuit and comprising, a tuned circuit tuned to the repetition frequency of the voltage pulses, a pentode electron tube connected in alternating current shunt relation with said tuned circuit, said electron tube being biased so as to have a normally low dynamic anode impedance which becomes high in response to negative voltage pulses, an input channel for said electron tube, and a long time constant rectifier circuit connected to said tuned circuit and responsive to voltage variations in said tuned circuit.

2,567,575
RESISTANCE MEASURING APPARATUS
Kenneth W. Olson, Minneapolis, Minn., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 19, 1945, Serial No. 594,617
7 Claims. (Cl. 175—183)



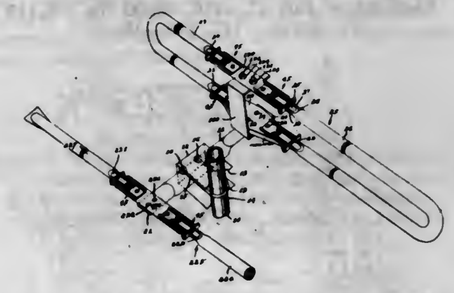
1. Apparatus for separately measuring a plurality of test resistances comprising in combination first and second ratio resistances each of normally fixed resistance and having one end connected to one end of the other and each forming one of the two ratio arms of a bridge circuit, two comparison resistances having different normally fixed resistance values and each having one end connected to one end of the other, a selector switch operable to separately connect one end of each of said test resistances to the connected ends of said comparison resistances, switch means optionally operable to connect said first ratio resistance either to the second end of a test resistance or to the second end of one of said comparison resistances to form a third arm of said bridge circuit, and a second switch means optionally operable to connect the second end of one or the other of said comparison resistances to the second ratio resistance and thereby form the fourth arm of said bridge circuit, a source of bridge energizing current connected between the connected ends of said ratio resistances and the connected ends of said third and fourth bridge arms, and a current meter connected between the ends of said ratio resistances respectively connected to said third and fourth bridge arms.

2,567,576
MEANS FOR GUIDING AND PREVENTING LATERAL DISPLACEMENT OF CAM FOLLOWERS
Vincent E. Palumbo, Cleveland Heights, Ohio
Application March 29, 1949, Serial No. 84,201
8 Claims. (Cl. 74—56)



1. For use with a cam member embodying an endless circumferential rib characterized by reversely inclined reaches, adjacent ones of said reaches being connected through turns of the rib, a structure adapted to be supported for reciprocation along a course adjacent to such a cam member and substantially parallel to the rotating axis thereof, followers carried by said structure and spaced apart so as to adapt them for engagement with the opposite sides of said rib, and a pocket into which the follower recedes that is on the outside of the turn of the rib when said structure is at the corresponding end of its stroke, the pocket confining the follower against lateral movement.

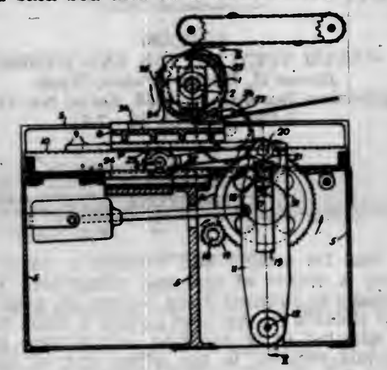
2,567,577
TELEVISION ANTENNA
Sidney Pariser, New York, N. Y.
Application March 18, 1949, Serial No. 82,233
14 Claims. (Cl. 250—33)



1. In a television antenna having a mast, a cross arm secured thereto; a support member carried by said cross-arm; a connector carried by said support member; said connector comprising a substantially flat section and a pair of spaced wall sections extending substantially longitudinally of said flat section and tapering toward each other from a first end of the connector to the second end of the connector; a longitudinal antenna member having an end with a longitudinally extending flat section and a pair of spaced parallel longitudinally extending rib sections; said end of said antenna member being insertable by longitudinal movement into said first end of said connector; the wall members of the connector being spaced apart by more than the spacing between the rib sections at the first end and by less than the spacing between the rib sections at the second end; the end of the antenna being wedged in the connector by said longitudinal movement; said flat section of said antenna having an open ended slot at its free end; said connector having a bolt head; said open ended slot being movable under said bolt head; and means for tightening said bolt head upon the material defining said slot and a lead-in connection element for said connector.

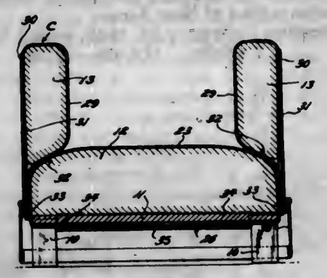
2,567,578
QUICK RETURN MECHANISM FOR BED AND CYLINDER PRESSES
Arthur Willard Ranger, Brighton, England
Application December 5, 1947, Serial No. 789,803
In Great Britain December 5, 1946
1 Claim. (Cl. 101—232)

A printing machine comprising, in combination, a frame, a flat forme bed mounted for reciprocation on said frame, power drive means on said frame, quick return drive mechanism driven by said power drive means for reciprocating said bed through a relatively slow variable speed impression stroke and a relatively fast variable speed return stroke, an impression cylinder rotatably mounted on said frame above the path of said bed for cooperation with said bed during an impression period intermediate the ends of the impression stroke of the bed, and cylinder drive means on said frame and operated from said power drive means to drive said cylinder one revolution for each cycle of bed movement, said cylinder drive means including a first oval gear wheel journalled on said frame and driven from said power drive means at a constant speed, and a second oval gear wheel fixed with said cylinder and constantly meshing with said first oval gear wheel to drive said cylinder in synchronism with the reciprocation of said bed and at a continuously variable



speed with a variable relatively slow speed between said impression periods and at a variable relatively fast speed in registry with the bed through each impression period during which it is driven at the same speed and at the same rate of acceleration and deceleration as that of said bed during the start and throughout to the end of each impression period, whereby said cylinder is driven at one revolution for each cycle of bed movement and at a continuously variable rate through each revolution thereof and without abrupt changes of cylinder speed.

2,567,579
REMOVABLE COVER FOR UPHOLSTERED ARTICLES OF FURNITURE
Julia Ryan Russell, Columbus, Ohio
Application September 14, 1949, Serial No. 115,739
8 Claims. (Cl. 155—182)



1. A removable upholstery cover for articles of furniture, comprising a flexible sheeting embodying united back, side arm and seat-covering envelopes formed to receive and correspond with the configuration of the corresponding parts of an associated article of furniture, said back and arm envelopes each including inner and outer panels, said seat envelope embodying a top panel shaped to extend over the top of the seat of an associated article of furniture, the top panel of

the seat envelope and the inner panels of the side arm and back envelopes being permanently united by stitching along their adjacent lower marginal edges, the top panel of the seat-covering envelope having additionally secured to its lower marginal edges at its front and sides a plurality of flexible fastening bands extending in overlapping order beneath the seat of an associated article of furniture, and means for separably fastening the ends of said bands in a manner maintaining the entire cover in an applied position on the associated article of furniture.

2,567,580

WATCH STEM SETTER AND WINDER

James H. Ruther, Pasco, Wash.

Application January 16, 1950, Serial No. 138,800
1 Claim. (Cl. 81—7.5)



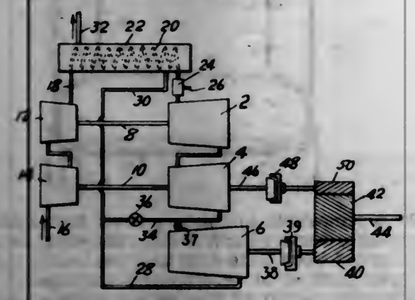
A tool for setting and winding a watch stem having a socket at one end comprising a substantially cylindrical body having an axial bore, a rod slidable in the bore having a knob on one end adapted to be received in the stem socket, a handle secured to the other end of the rod having a reduced portion slidable in the body, and resilient means normally urging said knob inwardly of said body, said body including a head portion having an enlarged bore therethrough communicative with said first bore, said knob being normally disposed within said enlarged bore, said head portion being adapted to engage the stem and lockingly retain the knob in the stem socket when the former is projected into the latter, said body including a further enlarged bore communicative with said first-named bore for receiving said reduced portion and a shoulder in said body, said resilient means including a coil spring wound about said rod and interposed between said shoulder and said reduced portion.

2,567,581

TURBINE DRIVE

Ludwig L. Salter, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey

Application February 28, 1946, Serial No. 650,824
1 Claim. (Cl. 60—39.16)



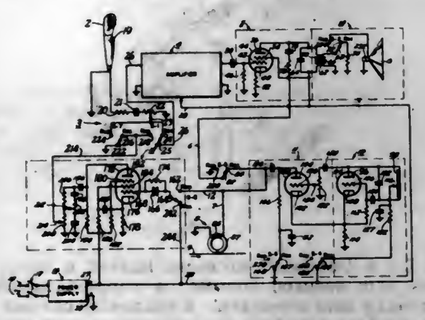
In combination, a pair of turbines arranged in series, a compressor driven by the one of said turbines which is first in series, means for burning fuel in air compressed by said compressor and for directing the combustion gases to said turbines to drive the same, a shaft, connections through which said turbines may drive said shaft respectively in opposite directions, releasable clutches in said connections, one of said clutches being between one of the turbines and the shaft, and the other of said clutches being between the other of the turbines and the shaft, and means for bypassing at least the major portion of the driving gases from the second of said turbines.

2,567,582

MAGNETIC RECORDING AND REPRODUCING SYSTEM

Morton F. Spears, Fairfield, Conn., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York

Application July 27, 1950, Serial No. 176,119
13 Claims. (Cl. 179—100.2)



1. In a magnetic recording and reproducing system in which a common magnetic circuit of a recording-reproducing head is utilized both for recording and for reproducing, and in which a high-frequency bias signal is applied to the magnetic circuit during recording and gradually attenuated in magnitude at the end of the recording period to demagnetize the magnetic circuit, apparatus for preventing re-magnetization of the magnetic circuit by the reproducing circuits including a reproducing amplifier having input and output stages, circuit means coupling said input stage to said magnetic circuit, means rendering said input stage inoperative during the recording operation, and time delay means responsive to the changing of said system from recording to reproducing condition arranged to initiate operativeness of said input stage only after a predetermined time interval.

2,567,583

FRESH FLOWER HOLDER

George Stromer, New Buffalo, Mich.

Application May 10, 1949, Serial No. 92,459
1 Claim. (Cl. 132—46)



A holder for a fresh flower comprising a cup provided with an inturned rolled edge, a moisture-holding sponge lining arranged in said cup, a plurality of headed pins slidably projecting through said cup and through said rolled edge and adapted to pierce the base of the flower, said pins being arranged in the same plane, and a pin secured to the rear of said cup.

2,567,584

COLLOIDAL IODINE PREPARATION AND METHOD OF MAKING THE SAME

Charles C. H. Thomas, Pittsburgh, Pa.

No Drawing. Application March 14, 1949, Serial No. 81,396
8 Claims. (Cl. 167—70)

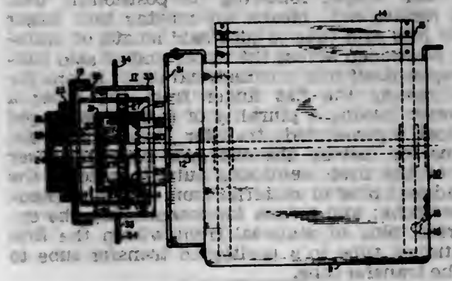
1. A composition of matter in which the ingredients do not settle or separate upon standing, comprising a colloidal gel of hydrophilic mineral and water and having a suspension of elemental colloidal iodine and water homogeneously dispersed therethrough.

2,567,585

VERNIER TUNING DIAL

Otto E. Wagenknecht, Chicago, and Gilbert E. Gustafson, River Forest, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois

Application June 30, 1949, Serial No. 102,352
3 Claims. (Cl. 74—10.8)



1. An indicating and actuating assembly for actuating a rotatable tuning shaft of a tuning mechanism of a television receiver or the like comprising: a pinion gear rotatably mounted in coaxial relation with said tuning shaft; a second shaft extending transversely to the longitudinal axis of said tuning shaft and mechanically coupled thereto for imparting rotational motion to said tuning shaft; a drum having channel-indicating indicia inscribed thereon mounted coaxially with said tuning shaft and supported by the extremities of said second shaft; a stationary crown gear supported coaxially with said tuning shaft; a planetary gear rotatably mounted on said second shaft in meshing engagement with said crown gear and mechanically coupled to said pinion gear to be rotated thereby; and an actuating knob for rotating said pinion gear to cause rotational motion of said second shaft and said drum about the longitudinal axis of said tuning shaft.

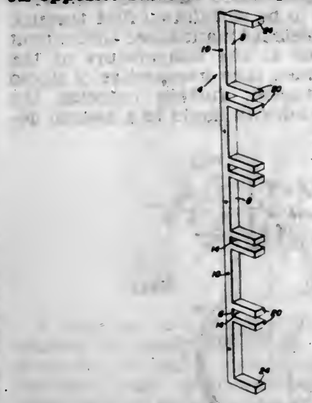
2,567,586

TEMPLATE FOR SETTING TIMBERS FOR UNIFORM NAILING

Raymond E. Werder, Latrobe, Pa.

Application August 24, 1950, Serial No. 181,171
2 Claims. (Cl. 33—174)

1. A layout template for assembling and nailing timbers together comprising an elongated angle iron, one flange of said angle iron being provided at longitudinally spaced points with timber openings each of which is adapted to accommodate and seat an end portion of a coacting piece of timber and being further provided, on opposite sides of each opening with a pair of



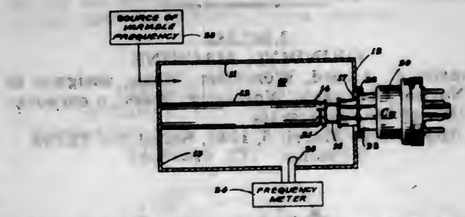
outstanding spaced parallel timber positioning and racking lugs.

2,567,587

METHOD AND APPARATUS FOR MEASURING CAPACITANCE

Zigmond W. Wilchinsky, Washington, D. C., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application December 10, 1945, Serial No. 634,105
4 Claims. (Cl. 175—183)



2. Apparatus for quickly determining whether the inter-electrode capacitance of a vacuum tube falls within desired limits comprising a resonant circuit having a vacuum tube socket connection, a source of variable frequency energy coupled to said resonant circuit, a modulating means coupled to said source for causing the latter to sweep a band of frequencies, the limits of said band corresponding to the resonant frequencies of the circuit loaded with a vacuum tube having the maximum allowable tolerance in either direction from the optimum inter-electrode capacitance, means coupled to the resonant circuit for detecting the energy output therefrom and an energy-indicating instrument coupled to said detecting means, whereby an indication on said instrument indicates that the inter-electrode capacitance of the vacuum tube tested falls within the desired limits.

2,567,588

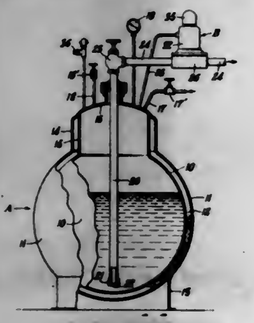
METHOD OF AND APPARATUS FOR WITHDRAWING FLUID FROM CONTAINERS.

George H. Zenner and Peter M. Riede, Kenmore, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application August 22, 1946, Serial No. 692,336
11 Claims. (Cl. 62—1)

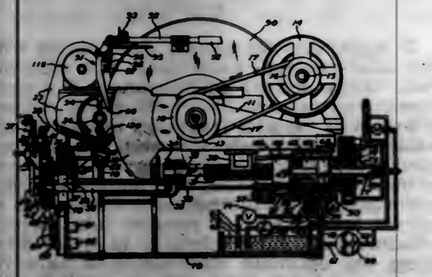
1. A method of delivering a low temperature liquefied gas from a confined zone wherein it is

held in liquid and gas phases under pressure and at low temperature, which method comprises passing the liquid to be withdrawn first through a metering orifice element maintained throughout its complete extent at the temperature of the liquid in said confined zone irrespective of liquid level variations therein; further reducing the pressure of the withdrawn liquid to a desired de-



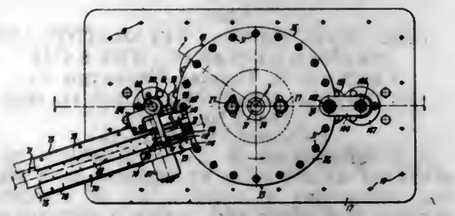
livery pressure value, and during the entire withdrawal period maintaining the pressure on the downstream side of said orifice at an intermediate pressure which is lower by a constant differential than the pressure in said container, said intermediate pressure being higher than said delivery pressure for maintaining a constant weight rate flow of liquefied gas during the entire withdrawal period.

2,567,589
GRINDING MACHINE
Charles C. Alvord, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application March 5, 1949, Serial No. 79,740
5 Claims. (Cl. 51—262)



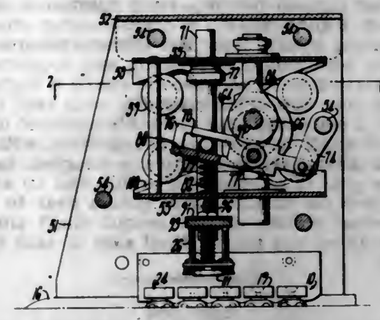
1. In a grinding machine of the type having a longitudinally movable table, a work supporting means thereon, a transversely movable wheel slide, a rotatable grinding wheel thereon, means including a pump for supplying grinding fluid to the place of contact of the grinding wheel and the work piece for promoting grinding action, the combination of a work washing apparatus therefor including a nozzle located adjacent to the workpiece for removing residual liquid film from the work piece after a grinding operation, means including an independent motor driven pump for supplying fluid under sufficient pressure to said nozzle for cleaning a ground work piece before removing from the machine, and electrical means including a switch actuated automatically in timed relation with movement of the wheel slide to an inoperative position to start said latter pump.

2,567,590
MACHINE FOR STUFFING OLIVES
George W. Ashlock, Jr., Oakland, Calif.
Application June 14, 1949, Serial No. 99,041
3 Claims. (Cl. 146—1)



1. In a machine of the character described; an open ended vertical tube of generally circular section and having a funnel of generally rectangular shape in horizontal section provided at the upper end thereof, said funnel having a major and a minor axis; a flat finger positioned above said tube and aligned centrally of the tube and extending in a plane parallel to the minor axis of the funnel; means for feeding continuously a strip of material to position the length thereof over the upper end of the funnel; means for cutting said length following its positioning over said funnel end; means for moving said finger down into said tube to tuck said length of material, positioned across the upper end of said funnel upon itself into a cylindrical plug; means for withdrawing the flat finger from the tube; a conveyor having a plurality of serially arranged vertical open-ended transfer tubes thereon; means for moving the conveyor past the lower end of the first mentioned tube to receive the cylindrical plug of material from said first mentioned tube; and means for transferring the cylindrical plug of material from within the first mentioned tube to a positioned transfer tube to fill the transfer tube.

2,567,591
MACHINE FOR PITTING CHERRIES
George W. Ashlock, Jr., Oakland, Calif.
Application August 12, 1949, Serial No. 110,008
4 Claims. (Cl. 146—19)

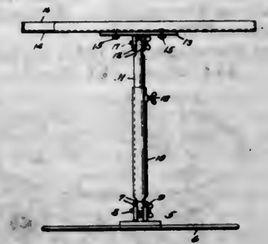


1. In a pitting machine, a fruit carrier movable continuously past a pitting station, a pitting knife, means supporting said knife over said carrier, carrier engaging means including a stripper plate slidable on the knife, means supporting said carrier engaging means from the knife support means for movement toward and away from said knife support means, a fruit engaging means slidable on said knife and slidably supported in the stripper plate, and means for moving the knife supporting means first to engage the carrier engaging means with the carrier and then move the stripper plate to bring the fruit engaging means thereon into contact with fruit on the carrier and then slide said fruit engaging means with respect to the stripper plate and the knife and, finally, to pass the knife through the fruit engaging means to pit the fruit.

2,567,592
PROCESS OF MOLDING ZIRCONIA
Archibald H. Ballard, Niagara Falls, Ontario, Canada, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application December 19, 1950, Serial No. 201,707
1 Claim. (Cl. 25—156)

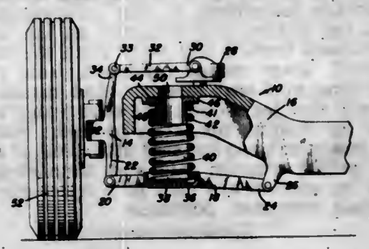
The process of molding a homogeneous, dense, integral article of zirconia and lime which comprises providing a refractory mold including a hollow mold body and at least one mold plunger, providing a quantity of powder of zirconia ZrO_2 of fine crystalline structure which has been obtained by calcination at a temperature not higher than 1200° C. and which has not been recrystallized, providing a powder of lime CaO in the amount of from 1% to 6% of the ZrO_2 in the powder of zirconia and which powder of lime CaO is also of fine crystalline structure which has been obtained by calcination at a temperature not higher than 1000° C. and which has not been recrystallized, the major portion of both powders being of particle size not greater than 12 microns and 98% of both powders being of particles none of which is larger than 50 microns particle size, thoroughly mixing said powders, placing a quantity of the mixture in a mold and said mold in a furnace with pressure apparatus, and heating while pressing to a temperature and pressure which rise to between 1500° C. and 2200° C. and to at least 500 lbs. per square inch.

2,567,593
DISPLAY STAND AND TRAY
Dallas H. Bemis, Edmond, Okla.
Application February 11, 1949, Serial No. 75,907
1 Claim. (Cl. 211—133)



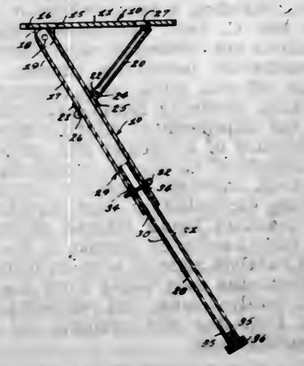
A portable fruit and vegetable stand for use with a vegetable display bin, comprising a base, a telescoping adjustable post rising from the base, a pan pivotally connected to the upper end of the post, an upstanding marginal flange formed on the pan, said pan adapted to support vegetables on a level above the vegetables in the bin with which the portable stand is used, and leg members secured to the base embodying lengths of wire material extending laterally from the base on which vegetables in the bin are placed holding the stand in a vertical position.

2,567,594
VEHICLE SPRING ADJUSTER
Claus F. Bruhn, Danvers, Minn.
Application December 1, 1947, Serial No. 789,033
2 Claims. (Cl. 267—20)



1. For use in a knee action construction including a suspension cross member, a base member pivotally connected to said cross member, said base member having an annular seat, an annular ring rigidly secured to said cross member, and a coil spring having its lower end positioned in said seat, the upper end of said spring bearing against said cross member and being concentric with said ring; a spring adjuster comprising a tubular open ended body received in the upper end of said spring, and a flange carried by said body at one end and embraced by said ring for spacing the upper end of said spring relative to the cross member, the upper end of said spring bearing against said flange for compressing the spring between the cross member and the seat, said cross member having an opening in registry with the opening in said body to receive a shock absorber.

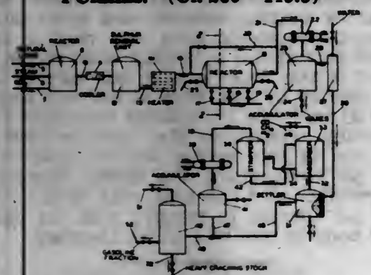
2,567,595
FOLDING POCKET SEAT
William K. Bryant, Honesdale, Pa.
Application June 21, 1949, Serial No. 100,469
3 Claims. (Cl. 155—135)



1. A portable folding seat comprising a seat member having one end formed to embracingly engage an upstanding cylindrical support, a first leg section arranged beneath said seat member longitudinally thereof and having one end positioned contiguous to said one end of said seat member and mounted thereon for swinging movement from a retracted position abutting and confronting the under surface of said seat member to various extended positions inclined downwardly with respect to the latter, a second leg section arranged longitudinally of said first leg section and mounted on the latter for extensile and retractile movement with respect to the other end of said first leg section into and out of en-

gagement with a ground surface contiguous to and spaced from said upstanding support, means carried by said first leg section and selectively engaging said second leg section for holding the latter in various positions of the extensile and retractile movement, a ring circumposed about first leg section and mounted on the latter for movement toward and away from the other end thereof, brace means carried by said ring and engaging said seat member, and means carried by said first leg section and engageable with said ring for holding the latter in select positions of the movement toward said other end of said first leg section wherein said seat member and said first leg section are held in a select one of said various extended positions.

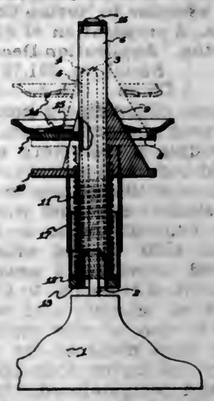
2,567,596
SYNTHESIS OF HYDROCARBONS
Alfred Clark, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 25, 1946, Serial No. 656,965
4 Claims. (Cl. 260—449.6)



1. In a process for the synthesis of normally liquid hydrocarbons which comprises passing a mixture of hydrogen and carbon monoxide through a reaction zone in the presence of a suitable synthesis catalyst under reaction conditions, including a temperature in the range of 150 to 400° C., such that gaseous and liquid hydrocarbons are formed in said reaction zone under conditions prevailing therein, removing a gaseous effluent from said reaction zone, and separating normally liquid hydrocarbons therefrom, the improvement which comprises passing said mixture of hydrogen and carbon monoxide in a direction having a substantial horizontal component through a narrow continuous catalyst zone elongated in said direction, continuously draining liquid formed during said synthesis downwardly by gravity to the bottom side of said catalyst zone as soon as formed, immediately removing said liquid from the bottom side of said catalyst zone, and removing said gaseous effluent from the end opposite the inlet end of said reaction zone.

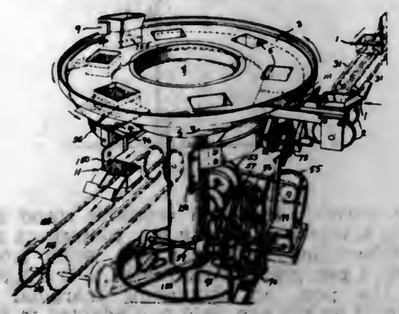
2,567,597
WHEEL BALANCER
Loren C. Currier, Tulsa, Okla.
Application March 13, 1947, Serial No. 734,251
2 Claims. (Cl. 73—66)

1. A wheel balancing machine comprising a base, a vertically disposed pointed rod carried by said base, a vertically disposed chambered body member having the lower end of its chamber open, said pointed rod having a balance point engagement in the upper end of the body member chamber on the axis of the chambered body member, said pointed rod being smaller in diameter than the diameter of the chamber of the chambered body member, an integral horizontal wheel supporting flange carried by the body member and surrounding the chambered body member and adapted to support thereon a wheel to be centered through an opening in the wheel, a horizontally disposed wedge carrying flange surrounding the chambered member below the first mentioned flange and movable upwardly towards and downwardly away from the first mentioned flange for centering the wheel thereon, said wedge carrying flange having upwardly extending wedges radially disposed in relation to the



axis of the chambered body member and extending through radial slots in the first mentioned flange around the chambered body member, a tubular member surrounding the chambered body member in spaced relation thereto and threaded on the lower end of the body member and extending upwardly over the lower end of the chambered body member and an expansion spring within said tubular member and interposed between the lower end thereof and the under side of the wedge carrying flange and normally urging the wedges upwardly through the slots in the body carried flange.

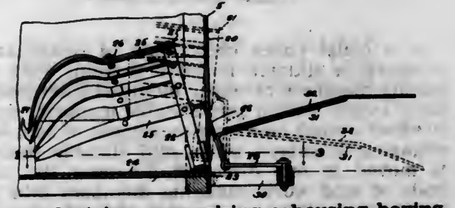
2,567,598
METHOD AND APPARATUS FOR PACKAGING
Fred M. Deutsch, Neenah, and Morris Warzinik and Anton M. Meier, Menasha, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application November 24, 1945, Serial No. 630,628
35 Claims. (Cl. 93—6)



1. The method of packaging which comprises the steps of providing a stack of collapsed cartons folded in substantially flat condition having a tray portion and a hinged cover portion, feeding a series of successive individual cartons from said stack, successively setting up the individual cartons by folding the cover portion of a carton away from the tray portion, opening and setting up the tray portion, filling said tray portion with goods to be packaged therein, and then automatically telescoping said cover portion over said tray portion in closed relation thereto.

28. The method of forming, filling, and closing a carton while the carton is in continuous uninterrupted flow, said carton having a rectangular body formed by a bottom and side and end walls hinged thereto and to each other, and a cover hinged to one edge of a side wall of the carton body and having a continuous flange hinged on the free edges of the cover, said carton being collapsed with the side and end walls of the carton body folded flat over the bottom thereof and with the flange folded flat under the cover and the cover folded over the body of the carton and disposed in substantially the plane of the bottom, which comprises advancing the collapsed carton bottom down in a continuous uninterrupted flow along a predetermined path with the hinge of the cover parallel to the direction of travel of the carton, swinging the cover of the advancing carton to open position, then opening and blocking the body of the carton, depositing a measured quantity of product into the open body of the carton, then advancing the carton with the hinge of the cover normal to the direction of travel of the carton, erecting and spreading apart the flange of the cover, and folding the cover downwardly upon the body of the carton to close the carton while the flange is held spread apart during the initial folding operation of the cover to dispose the flange of the cover in overlapping relation around the side walls and one end wall of the carton body.

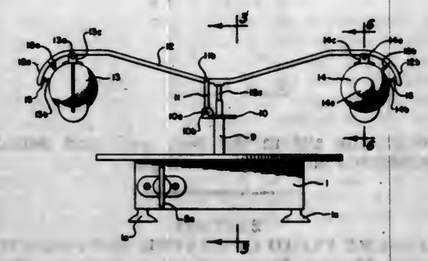
2,567,599
RAT TRAP
Frank M. Goodwin, Buffalo, N. Y.
Application October 1, 1947, Serial No. 777,191
2 Claims. (Cl. 43—66)



2. A rodent trap comprising a housing having an entrance opening at one end thereof, a closure embodying a plurality of spaced fingers extending into the housing, the ends of said fingers within the housing being pointed, certain of said fingers being longer than the remaining fingers and extending outwardly beyond the forward end of the housing, said certain fingers being bent upon themselves to provide bearings and a treadle support, and arms for pivotally mounting said bearings, the weight of the closure being greater than the weight of the treadle, said closure normally closing the entrance opening, and said closure being movable upwardly to open the entrance opening under the weight of a rodent passing onto the treadle.

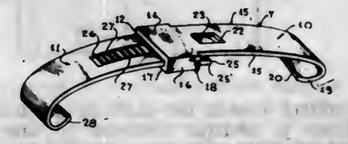
2,567,600
ILLUMINATED WHIRLING TOY
Arvin A. Gussa, San Diego, Calif.
Application August 13, 1948, Serial No. 43,990
4 Claims. (Cl. 46—47)

1. In a toy of the class described, a blimp-supporting arm rotatable about its middle portion transversely of its axis, illuminated blimps suspended from said arm and pivoted thereto, switch means in connection with said illuminated blimps and said arm actuated with the pivotal movement of said blimps relative to said arm, a battery in each of said illuminated blimps, and a lamp electrically associated with said battery



and said switch means, arranged to be illuminated when said blimps rotate about the axis of said arm, and are acted upon by centrifugal force, said arm having a centrally disposed shank, a bearing therefor, a resiliently mounted pawl engageable with said arm outwardly of its pivotal axis, gear means in connection with said pawl for rotating the same.

2,567,601
NAIL CORRECTOR
Cassius D. Heinold and Haskell J. Corn, Anderson, Ind.
Application July 5, 1950, Serial No. 172,148
2 Claims. (Cl. 128—81)

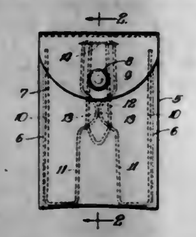


1. In an ingrown nail corrector, a pair of sections having longitudinally inward ends in overlapping relation, carrier and guide means on the inward end of one of the sections in which the inward end of the other section is slidably confined, hooks on the other ends of said sections arranged to hook around the opposite side edges of a nail to be corrected, ratchet teeth on said other section, and a ratchet dog on said one section, said ratchet dog being selectively engageable with said ratchet teeth by moving said other section longitudinally inwardly relative to said one section to an adjusted position providing for effective engagement of said hooks with the nail edges, the engagement of said dog with a selected ratchet tooth serving to positively lock said sections against longitudinally outward displacement thereof relative to each other from an adjusted position.

2,567,602
PURSE
Grover B. Higgins, Chicago, Ill.
Application November 18, 1948, Serial No. 60,749
3 Claims. (Cl. 224—26)

1. An article of the class described, comprising a flexible envelope having a rear wall, a front wall, and side edges and having a slit in its rear wall, and an inherently flexible structure disposed in said envelope and engaging the side edges

thereof to function as a spreader to flatten the same, a portion of said structure extending



through the slit in the rear wall and defining an attaching clip for the envelope.

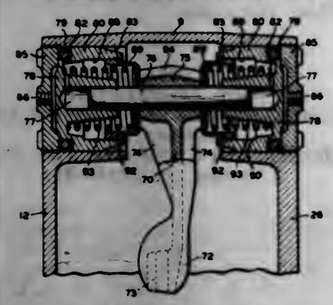
2,567,603

PRESSURE FLUID OPERATED SERVOMOTOR

Francis Marion Hogue, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Original application September 28, 1946, Serial No. 700,068, now Patent No. 2,529,393, dated November 7, 1950. Divided and this application September 14, 1949, Serial No. 115,746

7 Claims. (Cl. 121—38)



1. Control means for shifting a clutch member from a neutral position to one of two selected operating positions comprising, a shifter fork for the clutch member, a shift rail upon which said fork is mounted intermediate the ends thereof, piston means having axial bosses slidably receiving the ends of said rail, spring means carried by each piston means and engaging opposite end faces of said fork for normally positioning said fork in a neutral position, axially aligned cylinders having closed ends and open facing ends for receiving said piston means, said piston means normally lying adjacent the closed ends of said cylinders, and means for admitting fluid under pressure to one of said cylinders to move one of said piston means toward the other, thereby collapsing said spring means for each piston means and shifting said fork out of neutral position.

2,567,604

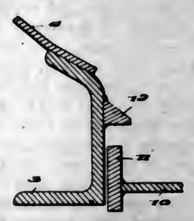
MINE CAR SEALING DEVICE

Robert E. Jones, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware

Application October 11, 1948, Serial No. 53,796

5 Claims. (Cl. 105—424)

1. In a vehicle having a lading body with side wall structures separated and having a bottom opening therebetween for the discharge of lading therethrough, a drop bottom door for closing said opening and having opposite edges thereof in sealing relation with the opposite side sill structures with cracks therebetween, the combination of an eave strip extending lengthwise of each side sill structure and attached thereto and projecting laterally therefrom in overlapping relation with the adjacent crack, each eave strip including a



solid bar having a downwardly inclined upper face for shedding lading and having an upright outer face bearing laterally against the side sill structure with said upright outer face projecting at least partially below the inclined upper face.

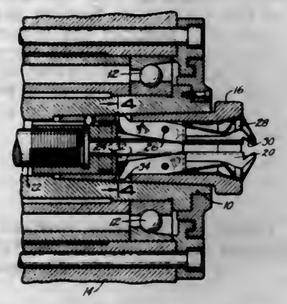
2,567,605

COLLET CHUCK

George W. Kean, Hartford, Conn.

Application August 4, 1949, Serial No. 108,530

3 Claims. (Cl. 279—37)



3. A collet chuck comprising in combination, a sleeve, a slidable member therein, work engaging members pivotally mounted intermediate their length within said slidable member, means to effect a work clamping movement of said work engaging members when said slidable member is moved in one direction, to draw the outer ends of said work engaging members into said recess, projections on the rear ends of said work engaging members, and said sleeve having openings into which said projections on work engaging members extend when said slidable member is moved in a direction to effect a closing movement of said work engaging members, movement of said slidable member in the opposite direction serving to withdraw said projections from said openings to positively move said work engaging members to their open position.

2,567,606

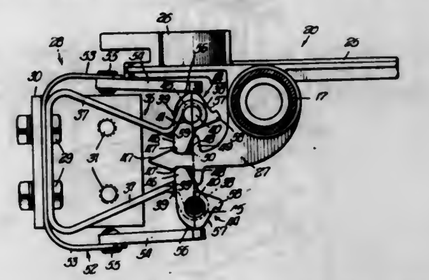
SWITCH CONTACT CONSTRUCTION

John J. Kojis, Chicago, Ill., assignor to S & C Electric Company, Chicago, Ill., a corporation of Delaware

Application April 29, 1950, Serial No. 159,025

9 Claims. (Cl. 200—170)

1. In a switch, in combination, a pair of generally pear shaped contact fingers, a generally U-shaped inner spring clip loosely rockably supporting at its outer ends the larger ends of said contact fingers, a generally U-shaped outer spring clip nesting with said inner spring clip and bearing against the larger ends of said contact fingers, said contact fingers being rockable from one side of the plane through their axes of rotation away from said spring clips toward the other side thereof, a contact tongue arranged to enter the space between said smaller ends of said contact fingers when they are on said one side of said plane and to be engaged thereby for completing a circuit therethrough, and abutment means on said contact tongue reacting against said smaller ends of said contact fingers on continued movement of said contact tongue toward the switch



closed position for rocking said contact fingers and causing the ends of said outer spring clip to be spread apart without simultaneously spreading apart the ends of said inner spring clip until the slack between them and said contact fingers is taken up whereupon continued movement of said contact tongue toward the switch closed position causes said ends of said inner spring clip to be spread apart and said ends of said outer spring clip to be spread further apart thereby causing relatively high contact pressure to be exerted between said outer contact clip and said contact fingers and between said contact fingers and said contact tongue.

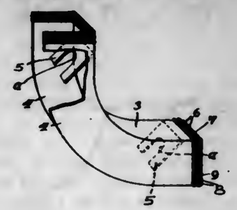
2,567,607

TOILET PIPE COVER OR SHIELD

Elmer F. Larson, Temple City, Calif.

Application June 5, 1947, Serial No. 752,690

1 Claim. (Cl. 4—12)



A shield for a pipe line, comprising a plurality of sections substantially U-shape in cross section from one end to the other and adapted to straddle the pipe line, adjacent extremities of successive sections having overlapping relation, the intermediate and side walls of the said overlapping portions of the sections being provided thereacross with grooves and beads coacting to hold the sections in assembled relation, and spaced transverse plates in one of the sections, each plate having a free edge directed toward the open side of the section, and such free edge having a recess formed therein providing a saddle to seat on the pipe line.

2,567,608

METHOD OF MANUFACTURING PEN POINTS

Thomas W. Lepkowski, New York, N. Y.

Application May 10, 1949, Serial No. 92,322

5 Claims. (Cl. 113—32)



1. The method of constructing a fountain pen nib for affording adjustable width of line writing, comprising temporarily maintaining a pen point blank of flexible material flexed on a relatively short radius transversely of its longitudinal axis, and while in the flexed state welding to the writing end thereof a small-diameter writing ball; then cutting a narrow slit through the ball and inwardly of the nib portion of the pen for providing the nib divisions and separated ball portions at the point; and releasing the slitted blank to a resulting set curvature.

2,567,609

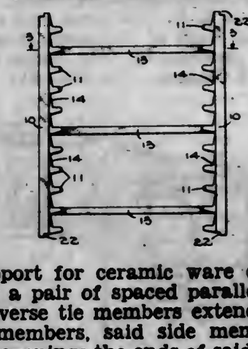
SUPPORT FOR CERAMIC WARE DURING FIRING

James William Alexander Lovatt, Hanley, Stoke-on-Trent, England

Application August 9, 1950, Serial No. 178,394

In Great Britain August 18, 1949

2 Claims. (Cl. 25—153)



1. A support for ceramic ware during firing comprising a pair of spaced parallel side members, transverse tie members extending between said side members, said side members having transverse openings the ends of said tie members engaging frictionally in said openings, each tie member comprising a central wedge-shaped strip having side edges which converge to one end of the strip and two outer strips whose inner edges converge whereby when said central strip is pushed between said outer strips they are moved outwardly to engage frictionally with said side members, and inwardly extending ribs formed on the inner face of said side members for supporting said ware.

2,567,610

SEALING STRIP

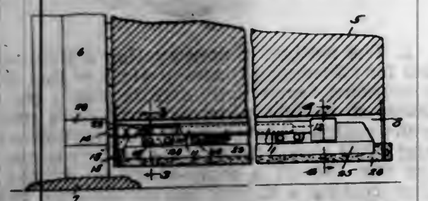
James W. Marsden, San Francisco, Calif.

Application April 22, 1946, Serial No. 664,011

1 Claim. (Cl. 20—68)

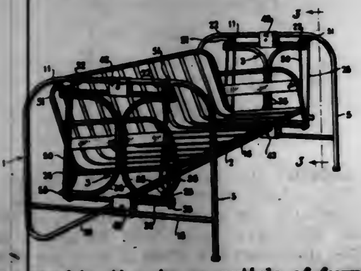
The combination with the sill of a swinging closure having a recess formed along the lower edge thereof, of a sealing strip comprising a stationary rear supporting plate having a forwardly and downwardly extended flange forming one edge thereof the free edge of the forwardly and downwardly extended flange being spaced an appreciable distance from the lower edge of the recess providing a housing, secured within the recess in which the sealing strip is mounted,

a vertically movable sealing strip also mounted within the housing, rectangular links pivotally connected with the supporting plate and vertically movable sealing strip, an actuating bar movable longitudinally of the supporting plate, means for pivotally connecting said actuating bar with one of the respective corners of each



rectangular link, whereby movement of the actuating bar longitudinally of the supporting plate in one direction moves the sealing strip downwardly into contact with the sill, means for guiding the sealing strip in its vertical movements, and the lower edge of said flange providing a stop against which the sealing strip moves restricting upward movement of the sealing strip.

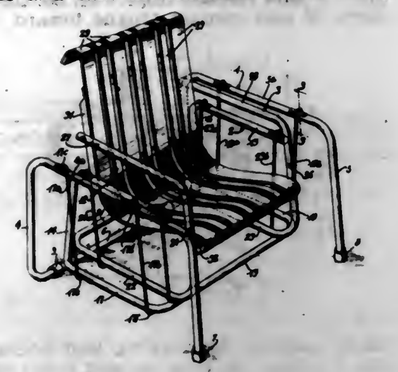
2,567,611
PORCH GLIDER
Burnard McGehee, McComb, Miss., assignor of one-third to L. S. McClaren and one-third to N. B. Gillis, both of McComb, Miss.
Application January 17, 1947, Serial No. 722,509
6 Claims. (Cl. 155—61)



5. In combination in an article of furniture, a main frame including an inverted substantially U-shaped end supporting portion, a floating member, a seat structure, links having their upper ends pivotally connected to said end supporting portion and their lower ends pivotally connected to said floating member, whereby said floating member is adapted to swing within the plane of said U-shaped end supporting portion, additional links pivotally connected at their upper ends to the upper end of said floating member and at their lower ends to said seat structure, guide means carried by said end supporting portion comprising spaced parallel plate members fixed to said end supporting portion, and roller means carried by said floating member adapted to engage said spaced parallel plate members.

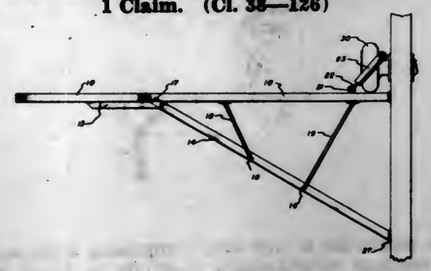
2,567,612
PORCH GLIDER
Bernard McGehee, McComb, Miss., assignor of one-third to L. S. McClaren and one-third to N. B. Gillis, both of McComb, Miss.
Application June 28, 1949, Serial No. 101,865
1 Claim. (Cl. 155—61)

In combination in an article of furniture, a main frame comprising a pair of laterally spaced inverted substantially U-shaped elements each having a horizontal supporting portion, said main frame also including a transverse member rigidly connecting said end elements, a seat frame comprising a second pair of laterally spaced substantially U-shaped end elements rigidly connected together by a second transverse member, an intermediate frame comprising a third pair of laterally spaced U-shaped end elements rigidly connected by a third transverse member, all of said frames being disposed in nested relation and said seat frame and said intermediate frame being



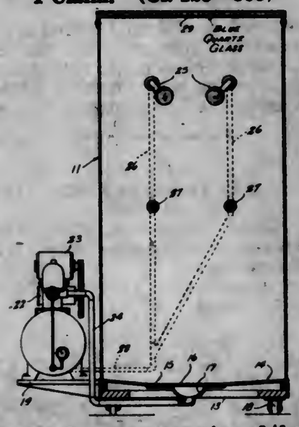
disposed so that the respective sides of the U-shaped end elements thereof are disposed horizontally and the open ends of said end elements of said seat frame and said intermediate frame are directed toward opposite directions, a pair of links pivotally connecting said horizontal supporting portions of said main frame to the lower sides of the U-shaped end elements of said intermediate frame, and a second pair of links connecting the upper sides of said U-shaped end elements of said intermediate frame with the lower sides of said U-shaped end elements of said seat frame, the links of each pair being parallel.

2,567,613
PORTABLE IRONING BOARD
Charles G. McNulty, Conneaut, Ohio
Application June 30, 1950, Serial No. 171,381
1 Claim. (Cl. 38—126)



A portable ironing board assembly comprising a flat elongated board symmetrically tapered transversely at one end and having a rounded notch in its other end, a pair of spaced apart and substantially parallel guide rails secured to one side of said board intermediate the length thereof, said board having a transversely extending groove therein at the notch adjacent ends of said guide rails, a flat brace slidably received between said guide rails and engageable at one end in said groove, said brace having transversely extending grooves therein at spaced apart locations therealong, substantially rectangular bails pivotally secured to said board at spaced apart locations therealong and extending around said brace, one of said bails being longer than the other and both of said bails having intermediate portions engaged in the grooves in said brace to support said brace in a position in which it is inclined relative to said board with one end engaged in the groove in said board and its other end spaced from the notched end of said board, and a flexible door-knob engaging member secured at its ends to said board at respectively opposite sides of said notch.

2,567,614
THERAPEUTIC SHOWER BATH APPARATUS
Charles Frederic Merriam, Princeton, Fla.
Application August 16, 1949, Serial No. 110,537
1 Claim. (Cl. 128—366)



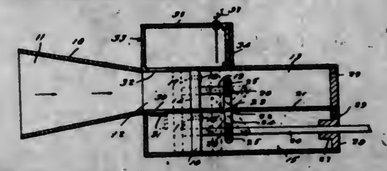
A sea water therapy apparatus of the character described comprising a shower stall having a bottom wall, upstanding side walls and a top wall, said top wall being of an ultraviolet ray transmitting material, a spray head mounted in one of the side walls and disposed within the stall at a point slightly below the top wall, a support mounted laterally on the outside of one of the side walls adjacent the bottom wall, a tank adapted to contain sea water mounted on said support, a heater in said tank, a pump on the top of the tank, conduit means connecting said tank and the spray head, said bottom wall being sloped and formed at its lowest point with a drain, conduit means connecting said drain and the pump, said pump having its outlet side discharging into the top of the tank to create a pressure head and force sea water in the tank through the conduit means leading to the spray head and having its inlet side connected to the conduit means coming from the drain in the bottom wall of the stall.

2,567,615
ALKYL PERESTERS
Nicholas A. Milas, Belmont, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 30, 1945, Serial No. 591,231
17 Claims. (Cl. 260—453)

1. The process of producing a tertiary alkyl perester which comprises simultaneously reacting at a temperature not exceeding 20° and in the presence of an excess of a basic compound having a reactive basic OH group, a tertiary alkyl hydroperoxide and a compound of the group consisting of chlorides and anhydrides of saturated aliphatic mono- and di-carboxylic acids and aryl mono- and di-carboxylic acids.

2. A tertiary alkyl perester of an acid of the group consisting of saturated aliphatic mono- and di-carboxylic acids and aryl mono- and di-carboxylic acids.

2,567,616
INSECT DESTROYER
Willie Allen Moore, Grambling, La.
Application October 3, 1947, Serial No. 777,777
1 Claim. (Cl. 43—139)

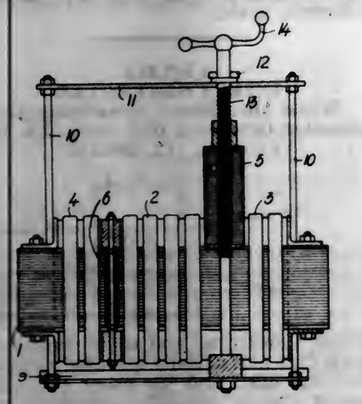


An insect destroyer and room ventilator comprising a first horizontally disposed cylinder having one end open and the other end closed, an outwardly flaring conduit positioned adjacent the open end of said cylinder and secured to the latter for guiding insects to be destroyed therein, there being an opening extending through the closed end of said cylinder, a trap chamber fixedly superimposed upon and in communication with said cylinder adjacent said open end, a transparent window in the end wall of said trap chamber remote from said open end of said cylinder, a vertically disposed grill of electrocuting elements dependingly supported in said trap chamber adjacent to and spaced from said transparent window, a second cylinder having both ends closed positioned below and parallel with respect to said first cylinder and having a port in communication with said first cylinder adjacent said open end of the latter, there being an opening in the closed end of said second cylinder remote from the open end of said first named cylinder, a piston positioned in each of said cylinders, means operatively connecting said pistons together for limited reciprocatory movement simultaneously in opposite directions, a flap valve positioned within said second cylinder and mounted for movement into seating engagement with said port upon reciprocatory movement of the adjacent piston toward said port and for movement out of seating engagement with said port upon reciprocatory movement of the latter named piston away from said port, each of said pistons being provided with a port extending transversely therethrough, and a valve positioned adjacent each of the ports in said pistons and mounted for movement into seating engagement with the port upon reciprocatory movement of the adjacent piston away from the open end of said first cylinder and for movement into seating engagement with said port upon reciprocatory movement of the adjacent piston away from the open end of the first cylinder.

2,567,617
TRANSFORMER WITH REGULABLE OUTPUT CURRENT
Birger Thorleif Pedersen, Smestad, pr. Oslo, Norway
Application January 29, 1946, Serial No. 644,151
In Norway January 30, 1945
1 Claim. (Cl. 171—119)

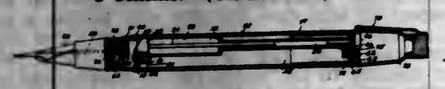
In a monophase transformer with adjustable output current, a common closed iron core, a

common primary winding on said core, at least one secondary winding arranged on said core at either side of said primary winding, at least one magnetic shunt for the said common iron core disposed between the said primary and each



secondary winding, the said magnetic shunt to one side of the said primary winding being of substantially constant reluctance and the said magnetic shunt to the other side of the said primary winding being of adjustable magnetic reluctance.

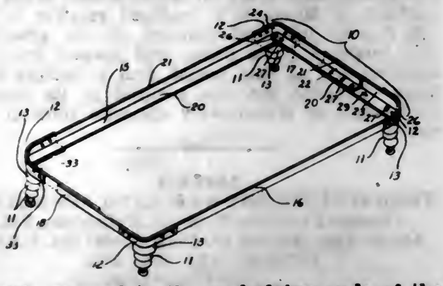
2,567,618
FOUNTAIN PEN
Hally W. Quaintance, Caldwell, Idaho
Application November 8, 1949, Serial No. 126,148
8 Claims. (Cl. 120—47)



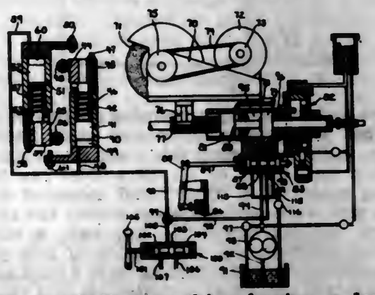
1. In a device of the character described, in combination a barrel, a nub having a passage therethrough, an apertured point communicating with said passage, means forming a pressure chamber in said barrel normally in communication with said passage, a check valve mounted on the inner end of the nub operating between said chamber and said passage, means forming an extension to said chamber, a piston movable in said extension, a piston rod extending exteriorly of said barrel, an ink reservoir in said barrel, a connection between said chamber and said reservoir, a check valve spring biased towards closed position in said last mentioned connection, and an operating lever operating the check valve, operable by said piston to open said check valve.

2,567,619
ADJUSTABLE BED
Edward M. Rosenfeld, Cleveland Heights, Ohio; Sylvia Rosenfeld, administratrix of said Edward M. Rosenfeld, deceased, assignor to Sylvia Rosenfeld
Application February 18, 1946, Serial No. 648,283
2 Claims. (Cl. 5—181)

1. In a laterally adjustable bed structure, an oblong frame comprising two identical U-shaped longitudinal sections including side rails and end rail sections formed of angle iron of L-shaped cross-section, said end rail sections being disposed in overlapping relation with each other and having the overlapping portions of the horizontal flanges thereof provided with a plurality of equidistantly spaced openings, and securing means, such as bolts and the like, selectively engaged in said openings, the said end rail sections being made separate from said side rails and the outer ends of the horizontal flanges thereof being detachably secured to the underlying ends of the like flanges of the side rails, the outer ends of the vertical flanges of said end rail sections being curved into abutting relation with respect to the adjacent ends of the like flanges of the side rails.



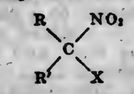
2,567,620
AUTOMATIC STEADY REST FOR GRINDING MACHINES
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application December 21, 1948, Serial No. 66,419
2 Claims. (Cl. 51—238)



1. In a grinding machine having a longitudinally movable table, a rotatable work support, a transversely movable rotatable grinding wheel, means including a piston and cylinder to move said wheel transversely in either direction, a control valve therefor, and a steadyrest including a steadyrest base on said table, a work steadying shoe adjustably mounted on said base, a nut and screw mechanism to adjust said shoe, means including a spring to rotate said screw to move the shoe into operative engagement with a work piece to be ground and to maintain the shoe in supporting engagement therewith as the work is reduced in size due to grinding, a piston and cylinder to rotate said screw in the opposite direction to move said shoe into an inoperative position, fluid connections between said latter cylinder and the feed control valve whereby the steadyrest shoe is actuated automatically in timed relation with the transverse movement of the grinding wheel, a normally inoperative valve to control the admission to and exhaust of fluid from the steadyrest cylinder, and a manually operable valve to render the connections between the feed control valve and the steadyrest cylinder inoperative and to render the normally inoperative valve operative when it is desired independently to control the operation of the steadyrest shoe.

2,567,621
STABILIZED TETRACHLOROETHYLENE COMPOSITION
Maxwell J. Skeeters, Fairport Harbor, and William J. Esselstyn, Painesville, Ohio, assignors to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application May 23, 1950, Serial No. 163,802
8 Claims. (Cl. 260—652.5)

1. A composition of matter consisting essentially of tetrachloroethylene and a stabilizing amount of a compound of the general formula



wherein R is selected from the group of hydrogen, methyl, and ethyl; R′ is selected from the group of hydrogen and methyl, and is hydrogen when R is ethyl; and X is selected from the group of hydrogen and chlorine, and is hydrogen when R and R′ are hydrogen.

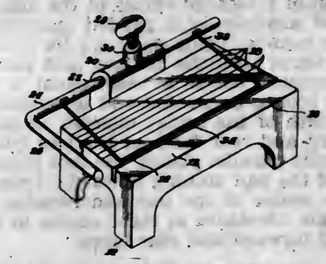
2,567,622
FUME HOOD
Marion D. Taylor, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 19, 1947, Serial No. 774,930
7 Claims. (Cl. 98—115)



1. A fume hood comprising a cabinet having side walls, a rear wall and a roof, a lower bench at the bottom of said cabinet near the floor level, a drain trough for liquid at the bottom of the cabinet, a removable working bench at an intermediate level of the cabinet near table height forming a working chamber thereabove and a heavy fume collecting chamber therebeneath, a drain having its intake within said working chamber and discharging into said drain trough, duct means for withdrawing fumes from the bottom of said collecting chamber and from said working chamber, an adjustable damper above said drain trough for regulating the passage of heavy fumes from said collecting chamber into said vent, and a vent between said working chamber and said collecting chamber.

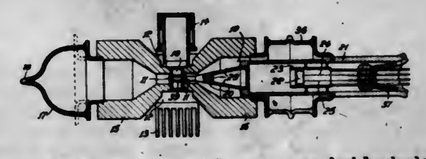
2,567,623
FISHING FLY WING FORMER
Herbert L. Thompson, Elgin, Ill.
Application December 6, 1949, Serial No. 131,421
8 Claims. (Cl. 43—1)

1. A fishing fly wing former comprising a base member having a flat upper surface with a longitudinal slot therein, a post connected thereto, a spindle journalled in said post, a hold-down wire carried by said spindle, said wire being adapted to hold a feather placed on said base, and a



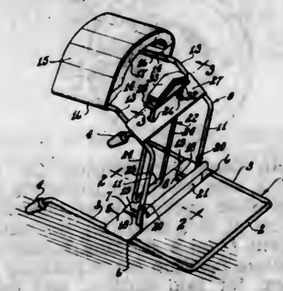
member having spaced teeth adapted to be pressed down into said slot through the barbs of a feather to separate the same into a plurality of sections of the same width.

2,567,624
CATHODE ARRANGEMENT FOR ELECTRON DISCHARGE DEVICES
Amherst Felix Home Thomson, George Paul Wright, and Alexander Rizo Rangabe, Baldock, England
Application September 2, 1947, Serial No. 771,734
In Great Britain September 3, 1946
16 Claims. (Cl. 315—39)



1. A magnetron comprising, an anode block defining a cylindrical cavity, a cathode, and means for heating the cathode comprising a cantilever metallic support fastened to the cathode and accurately positioning the cathode in said cavity, said cantilever support constituting the only support for said cathode, and means adjacent said support for heating the cantilever support to thereby heat the cathode.

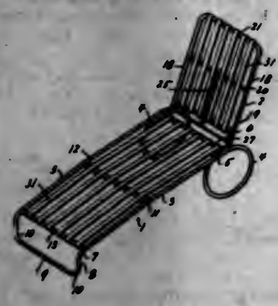
2,567,625
FOOT TREATING DEVICE
Louis Ball Triplett, deceased, late of Pasadena, Calif., by Helen A. Triplett, executrix, Coronado, Calif., assignor to Helen A. Triplett, Santa Barbara, Calif.
Application June 24, 1949, Serial No. 101,102
1 Claim. (Cl. 128—25)



In a foot treating device which comprises, in combination, an elongated padded member for

transversely engaging the bottom of the arch portion of the foot, and a generally arcuate bridge member positioned to engage the upper portion of a foot forwardly of the arch engaging padded member, said padded member and said bridge member being mounted for pivotal movement about eccentric centers, said padded member having a length at least equal to the width of the foot to be treated and to substantially the full width of the bridge member at its base, the forward and rear faces of the pad lying in substantially parallel planes, the foot contacting top face of the pad arching upwardly from each end to the center of the pad and forming a surface of single curvature at right angles to the planes of said forward and rear faces.

2,567,626
RECLINING LOUNGE CHAIR
Rollin Bert Tremulet, Jr., Redwood City, Calif.; Dorothy Tremulet administratrix of said Rollin Bert Tremulet, Jr., deceased
Application January 25, 1949, Serial No. 72,600
5 Claims. (Cl. 155—50)



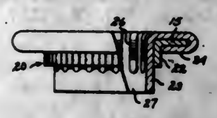
1. In a lounge chair, a seat frame comprising a pair of side frame members having downwardly presented coils at the rear ends thereof to form rear legs for the chair, the frame having a major portion projecting forwardly from the coils with independent means for supporting the front end thereof.

2,567,627
SHUTTER OPERATED FLASH SYNCHRONIZING SWITCH AND ADJUSTABLE MOUNT THEREFOR
Charles D. Van Bibber, Florence, Ala.
Application February 6, 1948, Serial No. 6,579
2 Claims. (Cl. 95—11.5)



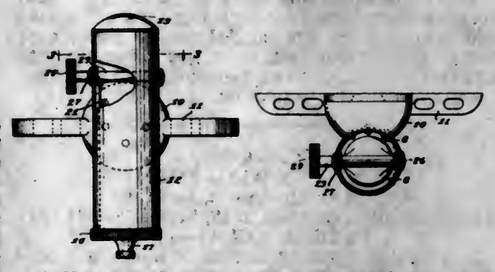
1. A photo flash synchronizer for a camera shutter and a lens assembly including a radially extending shutter cocking lever mounted on the shutter barrel of said assembly for circumferential movement from a starting position through an intermediate position corresponding to a fully open position for said shutter, and into a final position, said synchronizer comprising a split ring adapted to be circumposed about the lens barrel of said assembly and detachably secured thereto, an arm projecting radially outwardly of said ring at a point intermediate the starting and final positions of said lever and having one end pivotally supported on said ring to mount said arm for swinging movement toward and away from the shutter barrel of said assembly, an insulating block positioned contiguous to the other end of said arm and having one end fixedly secured thereto and having the other end terminating at a point spaced radially outwardly of said ring, a normally open circuit closing means including a pair of spaced contact leaves carried intermediate the ends of said block and transversely thereof adapted to be connected to a photoflash bulb to be fired, a projection adapted to be secured to said shutter cocking lever and engageable with said circuit closing means upon movement of said lever through said intermediate position, and means operatively connected to said arm for adjusting the length thereof to thereby facilitate movement of said contact leaves into a position wherein said projection passes through and bridges said leaves upon movement of said lever through said intermediate position.

2,567,628
BUNG OPENING
Charles E. Vanderhelt, Beaumont, Tex.
Application May 17, 1947, Serial No. 748,799
6 Claims. (Cl. 285—49)



1. In a bung seat structure for a container, a container wall of sheet metal of light gauge formed with a depression having a bung hole and contiguous tube extending about said hole, a bung seat formed of concentric pipe portions extending through said bung hole and having interlocked flange portions seated within said depression, an inner pipe portion extending beyond the outer pipe portion and flanged outwardly over said outer pipe portion and about said tube to interlock said bung seat to said container wall, said bung seat portions being of similar light gauge sheet metal with the container wall.
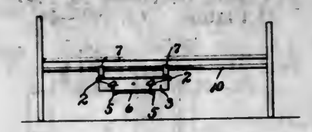
2,567,629
CASING SUPPORTING COLLAPSIBLE TUBE WITH MEANS FOR EXTRUDING THE TUBE'S CONTENTS
Paul E. Veon and John K. Ryan, Beaver Falls, Pa.
Application February 7, 1947, Serial No. 727,192
1 Claim. (Cl. 222—100)



A dispenser for the contents of collapsible tubes comprising an elongated casing having a closed

end and an open end and two longitudinally extending slots disposed in respectively opposite sides of the casing wall and extending to the open end of the casing, a mounting bracket secured to said casing, a screw thread formation on said casing at the open end thereof, a closure plate disposed in the open end of said casing and having a screw threaded aperture therein for receiving the threaded outlet of a collapsible tube, a retaining ring threaded onto said casing at the open end of the latter and marginally engaging said closure plate to retain the closure plate in the open end of the casing, a bifurcated turning shaft extending through said casing slots for receiving the closed end of a collapsible tube, a circumferentially grooved sleeve secured on one end of said shaft and receiving the edges of the casing wall along one of said slots in the groove thereof, a shaft turning knob on the end of said sleeve remote from said shaft, a screw thread formation on the other end of said shaft, and a circumferentially grooved cap threaded onto said other end of the shaft to secure the shaft furcations in clamping relationship on the closed end of a collapsible tube, said cap receiving the edges of the casing wall along the other of said slots in the groove thereof and said sleeve and said cap restraining said turning shaft against movement transversely of said casing.

2,567,630
BED DRAWER AND STEP
Robert F. Whittier, Grand Rapids, and Charles P. Field, Belmont, Mich., assignors to Charles L. Whittier and Lucile G. Whittier, Ada, Mich.
Application June 19, 1950, Serial No. 169,038
2 Claims. (Cl. 5—308)

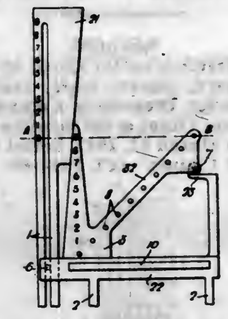


1. In a structure as described, a slidably mounted drawer, means adapted for mounting said slidable drawer on the under side of a bed, a step member located underneath the bottom of the drawer, and guiding means secured to the bottom of the drawer for engaging said step member to slidably mount it, whereby said step member may be retracted underneath the drawer or moved outwardly in front of it, with the drawer either in retracted or outer position.

2,567,631
STABILIZED CORN AND METHOD THEREFOR
Philip Carlton Anderson and Janet Lorraine Cooper Rapp, Crete, Nebr., assignors to Archem Corporation, Crete, Nebr., a corporation of Nebraska
No Drawing. Application April 18, 1950, Serial No. 156,714
6 Claims. (Cl. 99—154)

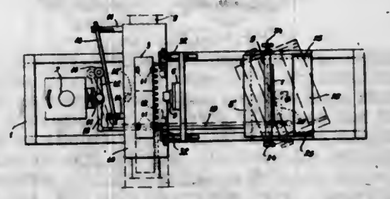
1. A method for preserving corn which is normally subject to deterioration due to mold formation in storage, which comprises treating said corn in a substantially closed system with ammonia and ethylene oxide in the gaseous state, whereby an ethanolamine is formed in situ.

2,567,632
APPARATUS FOR PLOTTING GRAPHS
Lajos Bihaly, London, England
Application June 21, 1947, Serial No. 756,309
In Great Britain June 21, 1946
6 Claims. (Cl. 235—1)



1. In a machine for producing indications on an indicating surface along a straight printing line comprising in combination, a slide member; a plurality of indication creating elements carried by said slide member and spaced apart from each other, said elements being arranged at an acute angle to the direction of said straight printing line; first setting means for effecting motion of said slide member together with said indication creating elements normal to the direction of said straight printing line; second setting means for effecting motion of said slide member together with said indication creating elements in direction of said straight printing line; and means for moving that indication creating member which is located in the region of said straight printing line into contact with said indicating surface for producing the desired indication thereon.

2,567,633
PERISTEREOSCOPIC PRINTER FOR MULTIPLE IMAGE NEGATIVES
Maurice Bonnet, Paris, France, assignor to La Reliephographie, Societe pour l'Exploitation des Procedes de Photographie en Relief Maurice Bonnet, Paris, France, a corporation of France
Application November 5, 1945, Serial No. 626,834
In France October 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 21, 1964
9 Claims. (Cl. 88—24)



1. A printing machine for peri-stereoscopic pictures comprising a stationary printing lamp, a carrier for the positive emulsion and a selecting screen therefor, a shoe rigid with said carrier, a plate to which said shoe is slidingly and adjustably secured, and adapted to rotate round an axis lying substantially in the plane of the positive carrier, a multiple objective camera, the optical axis of which is perpendicular to said axis, inserted between the positive carrier and the lamp, means for inserting a multiple negative obtained through an identical camera in said multiple ob-

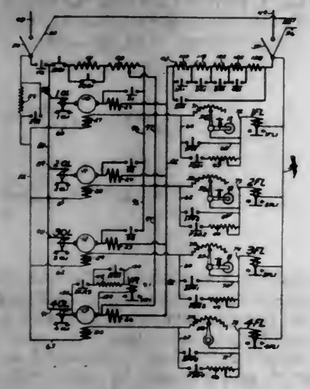
jective camera, means for imparting a rectilinear translation to the camera transversly with reference to the optical axis of the camera, and means whereby the translational progress of the camera produces an angular shifting of the rotary plate with reference to said optical axis.

2,567,634
RUBBER THREAD-CUTTING APPARATUS
Alfred Bernhard, Akron, Ohio, assignor to Andrews-Alderfer Processing Company Incorporated, Akron, Ohio, a corporation of Ohio
Application March 25, 1947, Serial No. 737,060
7 Claims. (Cl. 164—60)



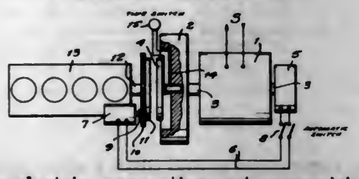
1. A machine for subdividing a sheet of rubber or the like into a multiplicity of threads comprising two sets of rotatable cutting disks arranged in interleaved relation, said disks having plane faces and edge portions at right angles thereto, said disks being arranged with one flat face of each disk of a set in overlapping contact with a flat face of one disk of the other set over a relatively small arc, the axis of one set of disks being offset angularly with respect to the axis of the other set of disks.

2,567,635
WIRE-DRAWING MACHINE MOTOR CONTROL
Oswald M. Bundy, Cleveland, Ohio, assignor to The Clark Controller Company, Cleveland, Ohio, a corporation of Ohio
Application October 16, 1948, Serial No. 54,977
4 Claims. (Cl. 318—7)



1. In a control system for the plurality of shunt-field and series-field excited motors of a multiple-die-block wire-drawing machine of the type having wire-operated dancer-roll mechanisms; a source of potential; a common motor-accelerating resistance; normally open main motor circuits comprising conductors for connecting each of the motor armatures and its series field to be energized from the potential source through the common accelerating resistance; a common armature shunt resistance; normally open motor shunt loop circuit comprising conductors for connecting the armatures of the motors in respective loops through the common armature shunt resistance; normally open shunt field full energizing circuits comprising conductors for connecting the motor shunt fields to be energized from the potential source; shunt field regulating rheostats at least some of which are controlled by dancer-roll mechanisms; normally ineffective shunt field regulating circuits comprising conductors for connecting the shunt fields to be energized from the potential source through the regulating rheostats respectively; a timing contactor; operator's contactor means; control means comprising control circuits and contactors, rendered effective upon operation of the operator's contactor means: to close the normally open main motor circuits; to close the normally open motor shunt loop circuits; to close the normally open shunt field full energizing circuits; and to actuate the timing contactor, to cause it to operate after a time interval; and comprising other control circuits and contactors rendered effective by operation of the timing contactor: to open the shunt field full energizing circuits; to render effective the shunt field regulating circuits; and to cut out a step of the accelerating resistance.

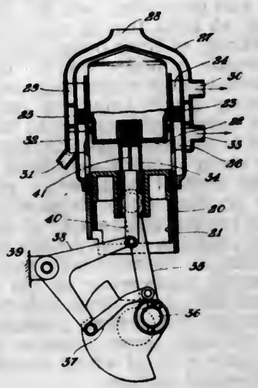
2,567,636
GENERATING SET
André Cuny, Courbevoie, France
Application December 29, 1948, Serial No. 67,911
In France December 30, 1947
14 Claims. (Cl. 290—4)



1. An electric generating set comprising in combination, electric mains connected to a current supply; an electric machine having a first shaft, said electric machine being connected to said electric mains and being adapted to operate as a generator for supplying current into said electric mains upon a failure of the current supply to said electric mains; a flywheel connected to said first shaft and adapted to drive said first shaft when said machine operates as a generator; a stand-by engine having a second shaft; and means for connecting said second shaft and said flywheel when said second shaft and said flywheel rotate at substantially equal speeds.

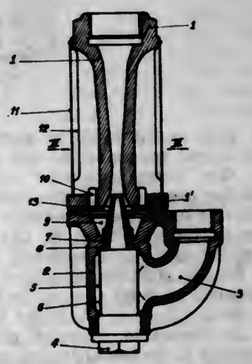
2,567,637
HOT GAS PISTON APPARATUS WITH FLEXIBLE CRANK COUPLING
Heinrich de Brey and Franciscus Lambertus van Weenen, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 21, 1948, Serial No. 3,503
In the Netherlands January 31, 1947
2 Claims. (Cl. 60—24)

2. A hot-gas piston engine comprising a cylinder, a displacer movable in said cylinder, a working piston movable in said cylinder, said working piston comprising bushing means, a crank, a driving rod operatively connecting said working piston to said crank, a hollow shaft rigidly connected to said displacer and slidably mounted in



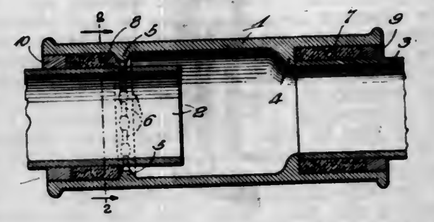
said bushing means, a resilient element connected at one end thereof to said displacer and extending through and beyond said hollow shaft in spaced relationship thereto, and coupling means pivotally connected to said driving rod and to said resilient element at the other end thereof.

2,567,638
HYDROEJECTOR FOR DEEP WELLS
Pierre François, Paris, France, assignor to Société de Robinetterie S. A. J., Paris, France
Application September 19, 1946, Serial No. 697,999
In France August 19, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 19, 1961
6 Claims. (Cl. 103—260)



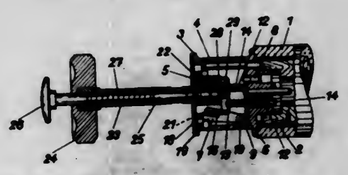
1. In a fluid ejector for use in oil wells and the like, in combination, a generally vertically disposed nozzle, into which a lifting fluid is let in under pressure; a member arranged concentrically around said nozzle and defining therewith a suction cavity; a diffuser pipe being disposed generally above said nozzle and having a bottom opening arranged in circular and spaced relationship to the output opening of said nozzle; a substantially cylindrical strainer member arranged in the upper portion of the ejector and surrounding only the lateral face of said diffuser pipe in spaced relationship thereto, so as to define an inlet chamber for the liquid to be lifted, said inlet chamber being arranged intermediately between said strainer member and said diffuser pipe and surrounding the same; and duct means for connecting said inlet chamber and said suction cavity.

2,567,639
PIPE JOINT AND FITTING
Harry L. Fulton, Pueblo, Colo.
Application April 9, 1948, Serial No. 20,009
3 Claims. (Cl. 285—115)



1. A pipe joint and fitting comprising a tubular body portion having an open end thereof adapted to telescopically and loosely receive the end of a pipe to be joined, and said body portion being provided with an integral internal increasable diameter ring flange presented as a caulking ledge around the pipe, said ring flange having the inner diametral edge thereof provided with an annularly spaced series of recesses.

2,567,640
COUPLING FOR LINE SPACE WHEELS
Konrad Gebhardt, Nuremberg, Germany, assignor to Firma Triumph-Werke Nürnberg A. G., Nuremburg, Bavaria, U. S. Zone, Germany
Application February 24, 1949, Serial No. 78,189
In Germany October 1, 1948
6 Claims. (Cl. 197—123)



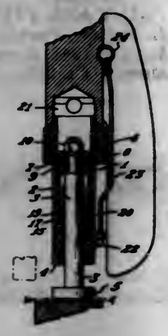
1. In line spacing mechanism for typewriting, calculating and similar machines, in combination with a platen and a line space release shaft, a gear with internal toothing mounted for free rotation on the platen, locking members adapted to engage in said internal toothing for effecting the coupling connection, each locking member having an inclined operating slot, operating means adapted to be moved in said slots under action of the line space release shaft for engaging and disengaging said locking members, and supporting means adapted to take up the pressure acting radially inwardly upon said operating means as a result of the disengaging tendency of the locking members, said locking members, operating means, and supporting means being combined and interrelated in such a way that said inwardly acting radial pressure causes a self-locking friction preventing inadvertent disengagement of the locking members.

2,567,641

HYDRAULIC WORK HOLD-DOWN OR CLAMP

Merrill W. Haselton, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a corporation of Ohio

Application July 28, 1949, Serial No. 107,249
6 Claims. (Cl. 60—54.6)



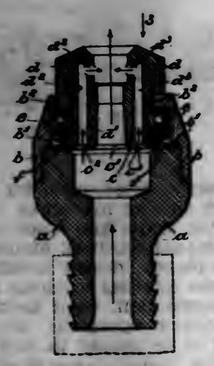
5. In a hydraulic hold-down a hydraulically operated piston mounted in a cylinder and having a piston rod carrying a hold-down foot, a well provided within the cylinder beyond the piston path and on the low pressure side of the piston and an outlet port in said well to permit removal of fluid seeping past the piston, and fluid directing means incorporated in said piston for directing seeping fluid to said well.

2,567,642

NOZZLE FOR THE DISCHARGE OF LIQUIDS

Thomas A. Henshaw, Elland, England, assignor to Nu-Swift, Limited, London, England

Application March 5, 1948, Serial No. 13,137
In Great Britain March 11, 1947
5 Claims. (Cl. 299—141)



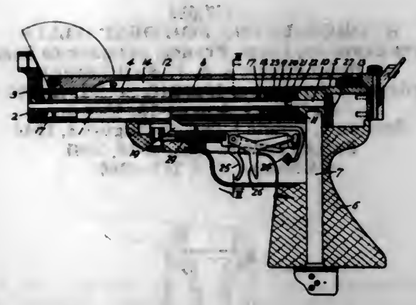
1. A liquid discharge nozzle, comprising in combination, a nipple adapted to be secured to the end of a liquid discharge pipe; a retaining member secured to said nipple, the said retaining member having a central outlet channel; a diaphragm disposed across said central outlet channel; a central opening provided in said diaphragm; a series of angularly spaced openings arranged in said diaphragm around said central opening; a single rotatable drum held on said retaining member for rotation relatively thereto and with one end face in contact with said diaphragm; a central passageway provided in said drum; a series of circumferentially spaced passages provided around said central passageway in said drum and extending parallel to said central passageway, at least two of said passages being turned inwardly at their outer ends and leading at diametrically opposite points into said central passageway; and means associated with said drum forming small angularly directed outlet orifices of a narrowed diameter at the outer ends of the other of said passages whereby in one position of the drum liquid is permitted to pass only through the central passageway of the drum, in another position liquid is permitted to pass through the central passageway of the drum and through the passages of the drum, the outer ends of which lead at diametrically opposite points into the central passageway of the drum, while in a third position of the drum liquid is permitted to pass through the central passageway of the drum and through these passages through the drum, the outer ends of which register with the angularly directed orifices.

2,567,643

AIR GUN LOADING AND FIRING MECHANISM

Lumír Vojtěch Kapsa, Prague, Czechoslovakia

Application July 2, 1946, Serial No. 680,993
In Czechoslovakia August 25, 1945
3 Claims. (Cl. 124—15)



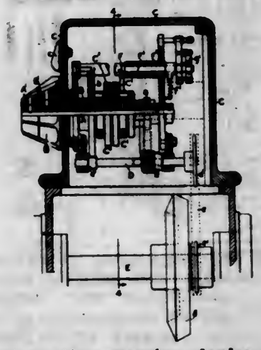
1. An air gun comprising in combination, a gun body, a barrel mounted in the gun body, a closure for the body mounted adjacent but spaced from the rear end of the barrel, a compression cylinder mounted co-axially of the barrel, a spring actuated piston in the said cylinder mounted for sliding movement therein and a projectile feeder slidably mounted in the closure and adapted to feed the projectile into the barrel, said feeder having its front portion protruding in its operative forward position from the closure of the body towards and into the barrel to such an extent as to bring the projectile into a predetermined firing position and to press the same into the barrel, said front portion of the feeder being tapered and substantially point shaped so as to form in the moment of firing together with the rear portion of the barrel an annular channel adjacent the end of the compression cylinder with increasing width towards the interior of the barrel for the admission of compressed air from the compression cylinder simultaneously through the entire cross sectional area of the channel behind the projectile to impart a centrally directed impact to the latter.

2,567,644

MACHINE FOR REVERSELY WINDING WEBS OF FABRICS

Frank Leach and Ivor William Sutcliffe, Whitworth, England, assignors to F. Smith & Co. (Whitworth) Limited, Whitworth, England, a company of Great Britain

Application July 30, 1947, Serial No. 764,838
In Great Britain August 3, 1946
4 Claims. (Cl. 242—55)



1. An automatic reversing device of the character described for a machine for treating long webs of fabric and having two rollers onto and from which the web is successively wound and unwound, said reversing device including two drive mechanisms, each drive mechanism driving one of the two rollers and comprising two rotatable discs arranged side by side; two trains of gearing driving the said discs from the roller operated by the other drive mechanism, the ratios of the said trains of gearing being such that one disc is rotated at a considerably greater speed than the other disc and each disc having a recess on its periphery, the discs being capable of being rotated to bring the recesses into alignment; a stud adapted to enter the two recesses when they are in alignment with each other and with the stud; an arm carrying the stud on the end thereof; a rotatably mounted member to which the arm is affixed; and a pair of switches, one of which is adapted to start the drive mechanism of one roller and the other to start the drive mechanism of the other roller, the switches being operated when the stud enters into the recesses in the discs through the consequent angular movement of the arm imparting a rotary movement to the rotatably mounted member.

2,567,645

PROCESS OF PRODUCING A DETERGENT COMPOSITION

Josef Limburg, Heerde, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 12, 1948, Serial No. 26,719. In the Netherlands May 16, 1947
3 Claims. (Cl. 252—121)

3. A process of producing a detergent which comprises intimately mixing an aqueous solution of a water-soluble salt of an alkyl sulfuric acid ester having 10 to 25 carbon atoms per molecule with a fatty compound of the group consisting of soap-forming higher fatty acids and glycerides thereof in an amount equivalent to a weight ratio of fatty acid to said alkyl sulfate salt of 5:100 to 50:50, adding to the mixture a basic compound, the soap of which with the fatty acid of said fatty compound is water-soluble, in an amount of from the equivalent of about 5% by weight of said soap based upon the total amount of said soap and said alkyl sulfate salt to the substantially stoichiometric equivalent of the fatty acid and maintaining the mixture at saponification temperature to effect saponification.

2,567,646

LOW-TEMPERATURE SEPARATION OF OIL FROM WAX INVOLVING INITIAL CHILLING IN A FILM-TYPE CHILLER

Jack L. Little, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application June 2, 1949, Serial No. 96,824
2 Claims. (Cl. 196—18)

2. The method of separating solidifiable constituents from oil containing both normally solid and normally liquid constituents, which comprises passing a chilled metallic surface in contact with said feed oil in the substantial absence of a solvent liquid, said surface while in contact with feed oil being maintained at a temperature sufficiently low so that a solid layer of feed oil at a dewaxing temperature in the range of about 0° F. and below forms thereon, removing resulting layer-bearing surface from contact with feed oil, discharging said cold layer from the removed surface, commingling cold solvent liquid with the cold discharged layer in amounts sufficient to dissolve normally liquid constituents of the feed oil and separating the resulting solution from remaining normally solid constituents of the oil at substantially said dewaxing temperature to produce dewaxed oil of low pour test.

2,567,647

APPARATUS MATERIALIZING THE PATHS OF ELECTRIFIED PARTICLES MOVING INSIDE A MAGNETIC FIELD

Julien Maurice Loeb, Clamart, France

Application March 12, 1947, Serial No. 734,194
In France November 14, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 14, 1965
5 Claims. (Cl. 175—183)



1. An apparatus for establishing and recording the trajectory of electrified particles in a magnetic field comprising in combination means for producing a magnetic field identical with that wherein it is desired to ascertain the paths of electrified particles; a wire having a negligible weight and stiffness and arranged in the magnetic field and put under tension within the magnetic field; means for connecting said wire with a source of direct current; means for regulating the current passing through said wire; and means for regulating the mechanical tension imposed on said wire whereby the radius of curvature assumed by the wire will indicate the radius of curvature of the trajectory of said electrified particles.

2,567,648

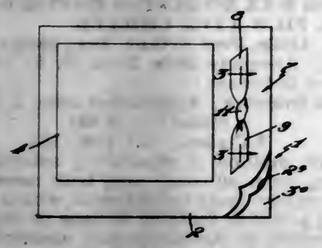
METHOD OF STAPLING BOWS TO GREETING CARDS

Elaine H. Marshall, Wrentham, Mass.

Application June 9, 1948, Serial No. 31,863
3 Claims. (Cl. 41—34)

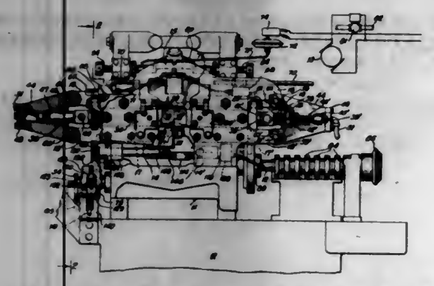
1. That method of decorating a greeting card by the attachment thereto of a pre-tied rib-

bon knot which comprises as steps providing a completed ribbon knot of the desired kind, said knot including a rear portion and an exposed front bight which extends transversely of the length of the ribbon, arranging the pre-tied knot at the front side of the card at the desired location with said rear portion of the knot in contact



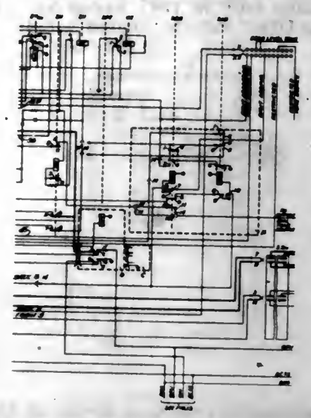
with the card, inserting a staple from the rear side of the card through the substance of the card and so that the legs of the staple penetrate said rear portion of the knot but do not enter said transverse bight, and clenching the legs of the staple without applying pressure to the exposed face of said transverse bight.

2,567,649
HYDRAULIC DIE-CASTING MACHINE
Louis H. Merin, Bronx, N. Y.
Application June 7, 1947, Serial No. 753,190
6 Claims. (Cl. 22—92)



1. In a die casting machine having a frame and guides on said frame slidably supporting a pair of die holders in opposing relation thereon, the combination which includes a pair of fluid pressure cylinders, means for detachably securing the cylinders to the frame of the machine in opposing relation to each other at the outer ends of the guides, each of said cylinders having a piston therein movable in a direction toward the opposing cylinder upon the admission of a fluid under pressure to said cylinders, a detachable coupling holding each of the pistons in engagement with the outer ends of the respective die holders, said couplings including connecting pins extending transversely of the direction in which the die holders move, said connecting pins being removable by a lengthwise movement thereof for detaching the die holders from engagement with the pistons, return springs connected to the die holders and urging the die holders away from each other, said springs being connected to the die holders through the removable connecting pins of the detachable coupling and dies removably secured to the die holders at the opposing ends thereof, said dies and their respective holders being movable into and held in closed position upon admission of fluid under pressure to the cylinders.

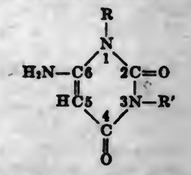
2,567,650
AUTOMATIC TELEPHONE SYSTEM
Frank A. Morris, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application April 23, 1947, Serial No. 743,415
40 Claims. (Cl. 179—18)



1. A telephone system comprising a plurality of subscribers' lines, a plurality of calling lines, said calling lines being divided into two classes, a two-direction step switch having a plurality of bank contact levels, a contact brush set normally positioned opposite one of said levels, lines of one of said classes terminating in said one level, lines of the other class terminating in the remaining levels, means responsive to a calling condition on lines of said other class for causing said brush set to move to a position opposite and then into one of said remaining levels in response to a call on one of the lines of said other class, and means responsive only to a calling condition on lines of said one class for causing said brush set to move directly into said one level in response to a call on one of the lines of said one class, the last-mentioned means comprising a relay and means whereby said relay is energized responsive to a calling condition on a line of said one class to disable said first-mentioned means and to cause said switch to move only into said one level.

2,567,651
1,3-DIALKYL-6-AMINO-1,2,3,4-TETRAHYDRO-2,4-PYRIMIDINEDIONES
Viktor Papesch, Morton Grove, and Elmer F. Schroeder, Chicago, Ill., assignors to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application January 11, 1950, Serial No. 138,074
11 Claims. (Cl. 260—260)

1. New chemical compounds of the structure



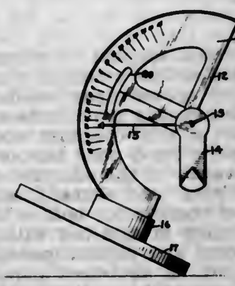
wherein the substituent radicals R and R′ represent a member of the group consisting of alkyl, cycloalkyl and aralkyl radicals and wherein one of these substituent radicals R and R′ contains a minimum of three carbon atoms.

2,567,652
FREIGHT CAR DOOR FITTING
Milton Parker and Henry C. Bowden, Baltimore, Md.
Application May 16, 1947, Serial No. 748,486
1 Claim. (Cl. 20—30)



The combination with a box car having a rectangular door opening and an outer sliding door, of a sectional door comprising a rectangular framework in said opening having an inner channel embedded in the vertical and horizontal walls of the car and side flanges on each side of the channel embracing the adjoining outer faces of the car walls, means for securing said channel to the car walls, a plurality of stacked-up, horizontally placed one-piece boards across the opening having their outer ends received in the opposed vertical channels and held between the flanges of the channel, the lower and upper boards having their outer longitudinal edges received in the opposed horizontal channels and held between the flanges of the channel, said channels having angular entrance grooves to guide the entry of the boards in said channels, the sliding door being closable over said sectional door.

2,567,653
PENDULUM INCLINOMETER
Sidney Ruhland, New York, N. Y.
Application January 29, 1948, Serial No. 5,031
2 Claims. (Cl. 33—215)



1. An advertising novelty comprising an arcuate disc having graduations around its periphery, an arm extending inward to the center from said disc to support a central pivot, a pendulum supported on said pivot carrying a pointer extending to said scale, and a support member adapted to be attached to a base and having a slot in which said disc may be glued, said scale having graduations on both sides thereof and said scale having a window through it extending in a circumferential direction by an amount greater than the circumferential width of said arm.

2,567,654
SCREEN FOR TELEVISION PROJECTION
Gerrit Jan Siezen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 29, 1948, Serial No. 41,361
In the Netherlands August 21, 1947
2 Claims. (Cl. 88—28.93)



1. A projection screen comprising a raster of equidistant straight grooves on one side thereof, each of said grooves having the same concave cross-section and each being spaced at a first predetermined distance with respect to adjacent grooves and a raster of equidistant circularly disposed grooves on the other side thereof forming a Fresnel surface and spaced at a second predetermined distance, whereby areas of said raster of straight grooves optically coinciding with points of said raster of circularly disposed grooves, the ratio a between the relative values of said predetermined distances of said circular grooves and said straight grooves thus formed lying between the values

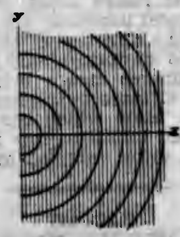
$$a'=\frac{1.45}{1+1.45i} \quad \text{and} \quad a''=\frac{3.25}{1+3.25i}$$

if a is smaller than unity, and between the values

$$a'=\frac{1+3.25i}{3.25} \quad \text{and} \quad a''=\frac{1+1.45i}{1.45}$$

if a exceeds unity, i being a whole number.

2,567,655
SCREEN FOR TELEVISION PROJECTION
Gerrit Jan Siezen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application August 4, 1948, Serial No. 42,377
In the Netherlands August 21, 1947
1 Claim. (Cl. 88—28.93)



A projection screen comprising a thin plate of light transmitting material, said plate having in one surface thereof a first series of circulating disposed grooves equidistantly spaced and forming a Fresnel surface, and in the other surface thereof a second series of straight grooves of concave cross-section equidistantly spaced, said first series of grooves being so spaced as to cause the formation of a circularly disposed raster of lines each spaced at a predetermined distance from adjacent lines, said second series of grooves being so spaced as to cause the formation of a parallel raster of lines each spaced a predeter-

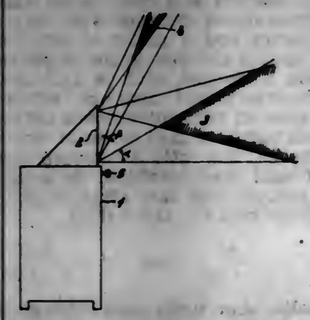
mined distance from adjacent lines, said equidistant spacing of said first series of grooves being of a relative value with respect to the equidistant spacing of said second series of grooves that the relative spacing of the raster of lines caused by one of said series of grooves is at least five times as great as the relative spacing of the raster of lines caused by the other of said series of grooves.

2,567,656

TRANSLUCENT PROJECTION SCREEN FOR VIEWING FROM TWO DIFFERENT DIRECTIONS

Gerrit Jan Siesen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application August 4, 1948, Serial No. 42,378
In the Netherlands August 14, 1947
5 Claims. (Cl. 88—28.93)



1. A viewing screen for a cathode-ray tube projection television apparatus wherein the control members of the apparatus are positioned adjacent the screen on a cabinet housing the apparatus, said screen being constituted by a light permeable surface for transmitting light rays originating from the cathode-ray tube within the cabinet to an operator manipulating the control members on the cabinet as well as to spectators remote from the cabinet, said screen surface comprising a first series of separate lens-shaped means and a second series of lens-shaped means arranged alternately with respect to the first series, said first series of lens-shaped means being dimensioned and commonly directed to transmit a first image beam containing more than half the total luminous flux transmitted by said screen in the direction of the position to be occupied by said spectators, said second series of separate lens-shaped means being dimensioned and commonly directed to transmit a second and separate image beam which contains less than half of said total luminous flux in the direction of the position to be occupied by said operator.

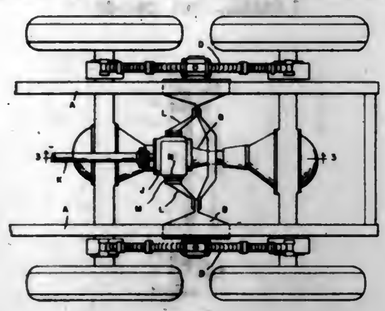
2,567,657

TWO AXLE DRIVING MECHANISM FOR MOTOR VEHICLES AND MOUNTING THEREFOR

Lee F. Stone, Detroit, Mich., assignor to The Grice Two Axle Drive Company, Detroit, Mich., a corporation of Michigan

Application March 24, 1947, Serial No. 736,660
4 Claims. (Cl. 180—22)

1. The combination with a vehicle frame of a pair of driving axles connected to each other and to said frame to be independently vertically movable in relation to the latter, a common driving connection to said axles mounted to float therewith and with respect to said frame and including a transmission gearing, and means rigidly connected to and rigid with said frame for confining the movement of said transmission gearing



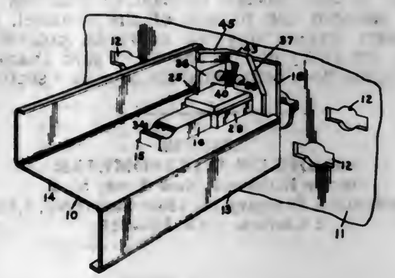
to a vertical longitudinal plane and absorbing torque reactions of said driving connection without interfering with the floating movement thereof.

2,567,658

CARGO-BRACING STRUCTURE

Gerald D. Stough, Detroit, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Application October 18, 1948, Serial No. 55,198
26 Claims. (Cl. 105—369)



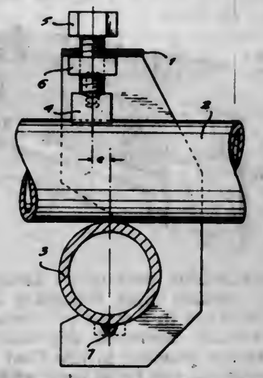
1. A cargo brace adapted to extend between and be anchored within a pair of aligned openings provided in spaced apart walls, including an elongated bar, means at opposite ends of said bar engageable in said openings comprising a support element, a fixed pivot support mounted on said bar inwardly of the adjacent end of said bar and underlying said element, said element being supported thereby for both sliding movement longitudinally of said bar with respect to said pivot support and pivotal movement about said pivot support, an abutment above said support element located intermediate said pivot support and the adjacent end of said bar to limit upward swinging of said support element, said support element being movable between a supporting position and a retracted position relative to an opening in one of said walls, said element having a hook shaped portion adapted when said element is in supporting position to project through and extend laterally beyond an edge of an opening in one of said walls, and a latch carried by said bar and engageable with said element for retaining said bar and element in supporting position.

2,567,659

COUPLER FOR JOINING OF TWO TUBES OR STRUCTURAL ELEMENTS OF CIRCULAR OR OTHER CROSS SECTION

Oldřich Valenta, Prague, Czechoslovakia

Application February 21, 1948, Serial No. 10,004
In Czechoslovakia May 2, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 2, 1966
1 Claim. (Cl. 287—54)



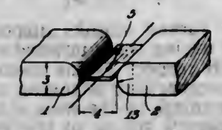
A clamp for clamping together two structural members disposed substantially at right angles to each other, comprising, in combination, a support member having a pair of legs connected at one of the ends thereof by a substantially flat portion of said support member extending at right angles to said legs, said legs being spaced further apart from each other at portions thereof spaced from said flat portion than at the portions thereof immediately adjacent to said flat portion so as to accommodate one of the clamped members therebetween, and said legs having recesses formed therein and extending inwardly from the same respective edges of said legs, said recesses being located in a portion of said legs which is distant from said flat portion thereof so as to form hook members for supporting the other of the clamped members, and said portions of said legs located immediately adjacent to said flat portion being formed with elongated, oppositely located slots passing therethrough and extending in a direction substantially perpendicular to said flat portion of said support member, and said flat portion of said support member being formed with a recess extending therethrough; a clamping bolt extending through said recess in said flat portion in a direction perpendicular to said flat portion and having a head located on the side of said flat portion which is distant from said legs of said support member; a stop nut mounted on said bolt and located on the side of said flat portion which is distant from said head of said bolt; an elongated insert member arranged parallel to said flat portion and perpendicularly to said bolt, said insert member being located at the end of said bolt distant from said head thereof and having a surface formed with a recess therein so as to matingly engage with said last-mentioned end of said bolt, said insert having another surface opposite to said last-mentioned surface and formed with a recess which is adapted to matingly engage with said one of the clamped members; a pair of projections formed on two opposite additional surfaces of said insert and extending through said elongated slots in said portions of said support member which are immediately adjacent to said flat portion, whereby said bolt is stressed only along its axis due to the clamping thereof and whereby any lateral stresses on said bolt are effectively prevented; and an additional insert located in a recess formed in said hook members for frictionally engaging the other of said clamped members.

2,567,660

CORELESS MOVING COIL SYSTEM, MORE PARTICULARLY FOR MEASURING INSTRUMENTS

Arend Thomas van Urk, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application July 20, 1946, Serial No. 685,165
In the Netherlands December 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 1, 1963
6 Claims. (Cl. 171—95)



1. A coreless moving coil system for nonlinear measuring instruments comprising a pair of spaced apart convexly curved pole members of opposite polarity having a common axis and defining an air-gap therebetween having a given dimension in a given direction, said pole members having a thickness dimension approximately two-thirds that of said given dimension in said air-gap, a coil member, rotatable in the air-gap about an axis intersecting the axis of the pole members, said pole members being curved cylindrically over the entire width thereof in planes normal to said axis of rotation to provide a field of substantially non-uniform distribution in the air-gap, said coil member comprising a plurality of conductor elements having a given cross-sectional dimension which is substantially less than the thickness of said pole members whereby for any given angular displacement of the coil member the conductor elements are located in a field of substantially uniform distribution.

2,567,661

ZIRCONIUM AND HAFNIUM RECOVERY AND PURIFICATION PROCESS

John A. Ayres, Schenectady, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application August 31, 1948, Serial No. 47,131
9 Claims. (Cl. 23—24)

1. A process for the purification of an aqueous colloidal solution of a hydrous oxide of a metal of the group consisting of zirconium, and hafnium, and mixtures thereof, which comprises contacting said colloidal solution of said hydrous oxide present in greater than a tracer concentration and containing a relatively smaller concentration of a soluble metal nitrate with a synthetic organic cation exchange resin, and separating an aqueous solution containing a major amount of said hydrous metal oxide and a reduced amount of said metal nitrate.

2,567,662

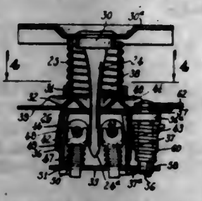
HOOD LATCH

Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application July 20, 1946, Serial No. 685,027
9 Claims. (Cl. 292—305)

3. In a hood latch, a rigid depending post-like latching member adapted to be carried by the lid,

a box adapted to be carried by the lower part of the hood having an upper slot into which said post-like member can enter, said box having lateral walls with inclined guiding surfaces thereon adjacent the upper part of the box, and gripping devices guided by said guiding surfaces comprising gripping rollers engageable with the latching member from opposite sides of the latter, and



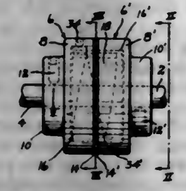
spring-pressed forked shanks disposed beneath the rollers and urging them upwardly in converging planes with respect to the median plane of the latching member and engaging reduced neck portions intermediate of the ends of the rollers in a manner to permit tilting of the rollers in the planes in which the respective rollers are guided, one of the lateral walls of the box being displaceable to release the latch.

2,567,663

FLEXIBLE COUPLING FOR SHAFTS

Joseph Deubel, Garfield, N. J.

Application June 2, 1947, Serial No. 751,759
5 Claims. (Cl. 64—12)



1. The combination of a driving member rotating about its axis, such member having a face at its forward end, a driven member rotating about an axis substantially coincident with that of the driving member, the driven member having an end face confronting and spaced from the forward end of the driving member, a driving and connecting element between the two members, such element being in the form of a thin band of dead metal wound helically in such direction as to be wound up by the driving member, the elements of the turns of said driving element being flat and lying parallel to the axes of the driving and driven members, the turns of the helical driving element having an axial width which is much greater than the radial thickness of such turns, means for connecting each end of the driving element to its respective member to prevent substantial rotation therebetween, the driving and driven members and the driving element being so constructed and arranged that the driving element overlaps both the driving and driven members throughout at least one continuous turn of substantially but no more than 360 degrees.

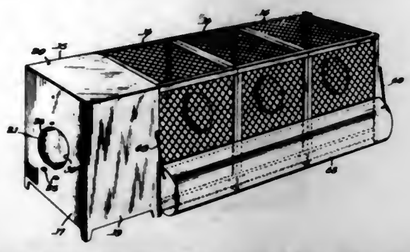
2,567,664

CHICKEN CULLING DEVICE

Willis G. Ewell, Chicago, Ill.

Application April 22, 1948, Serial No. 22,689
8 Claims. (Cl. 119—50)

1. A chicken culling device comprising in combination, a sorting nest having front and back walls, an entrance opening in said front wall and an exit opening in said back wall, a shaft rotatably mounted in said front and back walls above said openings, a counter-balanced front door having a hub rigidly mounted on the front end of said shaft, a counter-balanced back door having a hub rotatably mounted on the rear end of said shaft, said doors each having an opening therein that coincides with an opening in a wall of the sorting nest when the doors stand in a



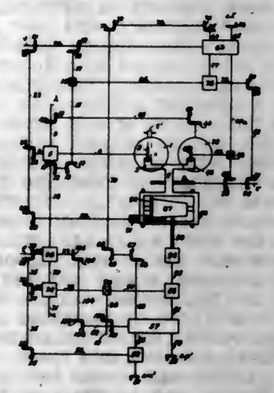
state of equilibrium, said doors each having an imperforate portion that obstructs an opening when the doors are in a state of unstable equilibrium, a pivotally mounted depressible floor, a link in operative relation to the floor and operatively connected to the front door whereby downward movement of the floor and link rotates the front door to its closed position, and when downward pressure on the floor is relieved the front door gravitates to its open position, and latch means to normally hold the back door closed.

2,567,665

FIRE CONTROL APPARATUS

Sven Gunnar Gerdin, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden, a corporation of Sweden

Application February 26, 1947, Serial No. 731,109
In Sweden December 31, 1943
6 Claims. (Cl. 235—61.5)



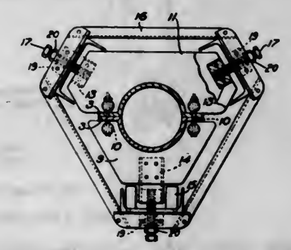
1. In an automatic target tracking apparatus for targets moving through space, the combination of a first group of means comprising a shaft system including an azimuth shaft 31 for registering the present azimuth angle (α), a shaft 28 for registering the present elevation angle (ϕ), and a shaft 9 for registering the present range value ($\log_e=\lambda$), the values registered by said shafts, respectively, representing in polar coordinates the position of an observed point (M) in space, a variable speed mechanism 1, 2 for rotating the said shafts, continuously variable resolvers 5, 26, 30 interconnecting the said shafts with said speed mechanism so as to rotate continuously and automatically the said shafts corresponding to the movement of the observed point (M), speed control means 3, 7, 8 coacting with said speed mechanism for adjusting the latter for an output speed (ϵ') equal to the velocity (v) of the observed point (M) divided by the present range value (e), said control means being controlled by the shaft 9 for registering the present range value (e), a shaft 28 for registering the present angle (ν) between the line of sight (IM) for said observed point (M) and the tangent of a path along which the said observed point (M) moves, gear means connecting said last mentioned shaft with the aforementioned system of shafts for rotating the said shaft 28 by the system of shafts, a second shaft 99 for registering the present angle (κ) between the plane of sight (MIT) for said observed point (M) and a horizontal line (MR) perpendicular to said line of sight (IM), gear means connecting said latter shaft with the aforementioned system of shafts for rotating the said shaft 99 by the system of shafts; and a second group of means 51, 56, 76 comprising one element 51 for altering the rate of change (α') of the azimuth angle (α), one element 56 for altering the rate of change (ϕ') of the elevation (ϕ), and one element 76 for altering the rate of change (λ') of the logarithm (λ) of the present range value (e), gear means and continuously variable resolvers 52, 57, 63, 78 connecting said second group of means with respective shafts of the first group of means to provide for a change in the values of the rate of changes (α', ϕ', λ'), thereby permitting a variation of the course and speed of said observed point (M) so that the same corresponds to the course and speed of a target to be observed and tracked.

2,567,666

MACHINE FOR SPINNING CONCRETE POLES, COLUMNS, PIPES, AND OTHER CONCRETE UNITS

Harry Gould, Westfield, England

Application August 6, 1947, Serial No. 766,604
In Great Britain April 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1962
4 Claims. (Cl. 25—30)



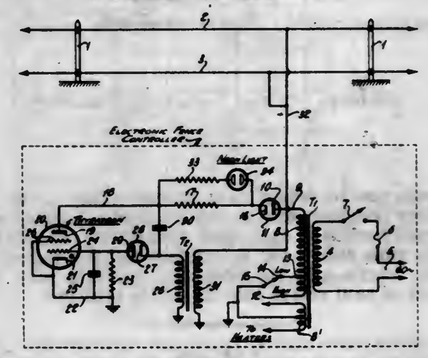
1. A machine for manufacturing centrifugally molded hollow concrete bodies, as pipes, columns and the like, comprising spaced coaxial track wheels, longitudinal members extending between said spaced track wheels, a tubular mold, carrier means adapted to be clamped around said mold, trolley wheels carried by said carrier means, said trolley wheels being adapted to run along one of said longitudinal members for initially positioning said carrier means and mold between said longitudinal members, means clamping said carrier means to said longitudinal members, spaced coaxial driving wheels, and means whereby said track wheels are adapted to be supported resting in driving engagement with said driving wheels.

2,567,667

ELECTRONIC FENCE CONTROLLER

George D. Hanchett, Jr., Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 11, 1946, Serial No. 661,322
6 Claims. (Cl. 256—10)



1. In a fence wire charging system, a source of low frequency voltage, a transformer having its primary coupled to the source, a second transformer, a rectifier and a charging condenser in a closed series circuit with the primary winding of the second transformer, means for limiting the rate of charging of said charging condenser and for limiting current flow through said primary winding of the second transformer when said charging condenser is short-circuited, a thyratron, a device of unidirectional conductivity connecting the thyratron control grid to the negative terminal of the condenser, a second condenser connecting the control grid and cathode of the thyratron, said second condenser being in a closed series circuit with the said device and second transformer primary winding, said charging condenser being in a closed series circuit with the said device between the anode and control grid of the thyratron, and means conductively connecting the fence wire to the second transformer secondary.

2,567,668

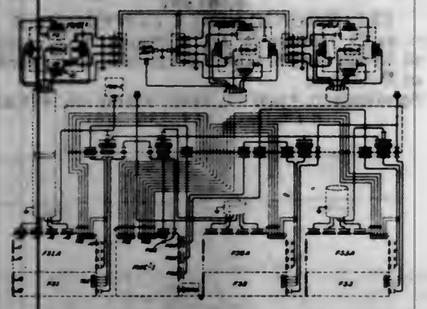
APPARATUS FOR THE MEASUREMENT OF RADIOACTIVITY

John Hecomovich, San Mateo, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application October 21, 1946, Serial No. 704,636
6 Claims. (Cl. 250—83.6)

1. Assay apparatus comprising a cage having a gate in one side thereof, a gate lock, a first relay operatively associated with said lock and having an operated and a safety position, said gate being locked when said first relay is in its safety position and unlocked when said first relay is in its operated position, a lead house arranged in said cage, said lead house having an opening in the wall thereof through which a sample may be transported and a lead cover for said opening, an auxiliary lead compartment with said lead house, a source of penetrating radiation, a movable element for moving said source between an operative position in said lead house and a safety position in said compartment, a second

relay operatively associated with said movable element and having an operated and a safety position, said source being operatively disposed in said house when said second relay is in its operated position and being disposed in said



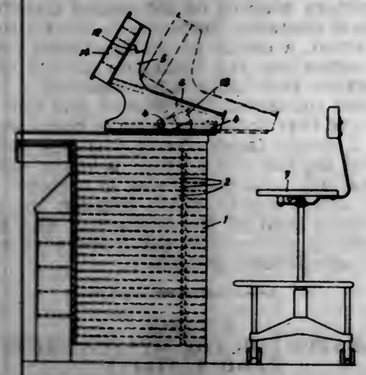
compartment when said second relay is in its safety position, and a control device located externally of said cage and operatively associated with said relays for selectively moving either of said relays into its operated position and the other of said relays into its safety position.

2,567,669

CASE STAND

Emil Hunziker, Berne, Switzerland, assignor to Lüscher, Leber & Cie A.-G., Berne, Switzerland, a joint-stock company of Switzerland

Application January 16, 1946, Serial No. 641,428
In Switzerland January 22, 1945
2 Claims. (Cl. 276—44)



1. A printer's cabinet comprising a case-stand including a plurality of type drawers arranged above one another, each drawer being of minimum height sufficient to serve as a receptacle for type, a desk means disposed on top of said case-stand and including a galley rest, and a ledge means mounted on said desk means above the rear of said galley rest for receiving set type lines.

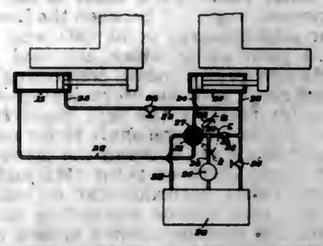
2,567,670

FEED REEL

Lorenz Iverson, Pittsburgh, and Franz J. Waldschutz, Mount Lebanon, Pa., assignors to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 14, 1947, Serial No. 754,682
3 Claims. (Cl. 242—78)

1. A feed reel comprising a pair of oppositely disposed reel heads adapted to engage the opposite sides of a coil of strip, a pair of mounts on which the respective reel heads are supported for rotation about extensions of the same axis, a base supporting the mounts for movement toward and from each other parallel to said axis, a first fluid cylinder having a double-acting piston therein connected to one mount and a second fluid cylinder having a double-acting piston therein connected to the other mount, said pistons being of equal area and movable in the cyl-



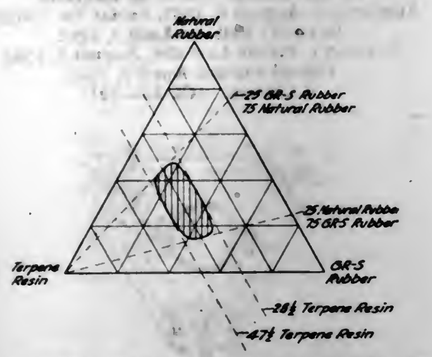
inders parallel to said axis, a conduit connecting one end of one fluid cylinder with the corresponding end of the other fluid cylinder so that displacement of liquid caused by movement of one piston causes an equal movement of the other piston in the same direction, and means connected to the other end of each cylinder to supply fluid under pressure alternately to one of said other ends while permitting fluid to exhaust from the other of said other ends, whereby operation of said means moves the reel heads parallel to their axis of rotation in constant predetermined spaced relation.

2,567,671

PRESSURE-SENSITIVE ADHESIVE TAPE

Edwin O. Joesting, St. Paul, Minn., assignor to Minnesota Mining and Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application October 10, 1949, Serial No. 120,491
2 Claims. (Cl. 117—122)



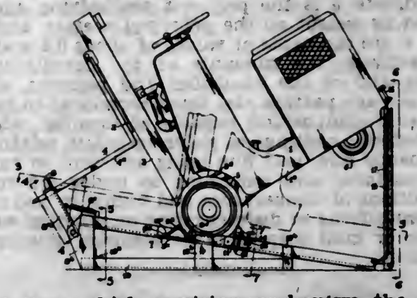
1. Normally tacky and pressure-sensitive adhesive tape comprising a flexible backing and a firmly adherently bonded coating thereon of an adhesive consisting essentially of a blend of about 25–75 parts of natural rubber, correspondingly about 75–25 parts of butadiene-styrene synthetic rubber, and, based on 100 parts of the combined rubbers, about 40–90 parts of a thermoplastic terpene resin of zero acid number and having a melting point of at least about 80° C., the proportions of the above three components being substantially within the range indicated by the shaded area of the drawing.

2,567,672

SERVICING MECHANISM FOR VEHICLES

Nathan M. Lawless, Muskegon Heights, Mich., assignor to The Baker-Raulang Company, Cleveland, Ohio, a corporation of Ohio

Application April 21, 1948, Serial No. 22,345
6 Claims. (Cl. 214—1)



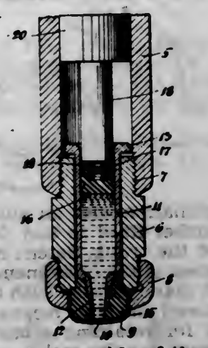
4. In a vehicle servicing mechanism, the combination of a runway for the wheels of a vehicle having a device capable of being raised or lowered, a member on said runway adapted to be engaged by said device, and separate abutment means adjustably mounted on said runway and arranged in front and rearward of one of the wheels of the vehicle for anchoring the latter against movement on said runway, the rearward abutment means consisting of a support adjustably fixed to one side of the adjacent track, a shaft rotatable on said support and provided at its upper end with a laterally extending arm swingable into overhanging relation to said track, and a collar rotatably mounted on said arm and provided with a radially extending wall adapted to be swung into engagement with said track.

2,567,673

HYPODERMIC INJECTION ASSEMBLY

Errol R. Lawshe, Nutley, N. J., assignor to Becton Dickinson and Company, Rutherford, N. J., a corporation of New Jersey

Application April 30, 1948, Serial No. 24,230
3 Claims. (Cl. 128—173)



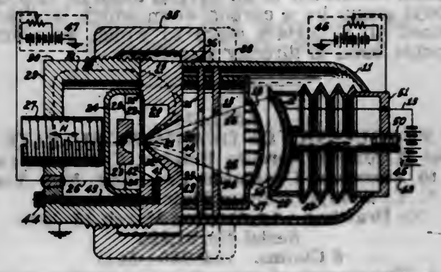
1. A hypodermic assembly of the type in which medicament is ejected under sufficient velocity and in a fine stream such that it penetrates the epidermis without the aid of a tissue-piercing needle, said assembly including in combination a body formed with a cylinder bore, an extension coupled to said body and formed with a barrel-accommodating bore, a barrel removably disposed in said latter bore, a piston reciprocable within said barrel, a force transmitting rod movable within the cylinder bore of said body and bearing against said piston to project the latter within said barrel, a flange forming a part of said barrel and overlying that adjacent end of said extension which is coupled to said body and a cushioning support adjacent the opposite end of said extension and providing a seat to retain said barrel within said extension.

2,567,674

VELOCITY MODULATED ELECTRON DISCHARGE DEVICE

Ernest Gustaf Linder, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 8, 1949, Serial No. 126,080
15 Claims. (Cl. 315—5)



1. An electron discharge device comprising: a cavity resonator having closely-spaced, opposed entrance and exit apertures forming a capacitive interaction gap through which electrons may be projected along an axis; an envelope portion surrounding a drift space which extends along said axis on the exit side of said gap; an electron gun including a cathode having an emissive surface of relatively large area with respect to the size of either of said apertures for supplying a large diffuse electron current in a first region between the cathode and the entrance side of said gap, means located in said first region for focusing the electrons to produce a great concentration thereof about said axis at a point near to said gap, the focusing means including means for accelerating the electrons from said cathode toward said gap whereby said concentration of electrons will pass thru said entrance aperture into a second region including the gap and said drift space; means acting in said second region for opposing the mutual repulsion of the electrons of said concentration to prevent spreading thereof to a cross-sectional size substantially greater than said exit aperture; means for restricting the effectiveness of said last-mentioned means to a limited zone including at least said drift space and at most said drift space, said interaction gap, and a part of said first region near to said entrance aperture; and means positioned in said envelope portion for reflecting said concentration of electrons back along said drift space and back through said gap after it has been initially projected therethrough.

2,567,675

PLASTIC COMPOSITIONS FROM COPOLYMERS OF UNSATURATED ESTERS OF ETHEREAL OXYGEN-CONTAINING ACIDS

Kenneth E. Marple, Oakland, and Edward C. Shokal, Walnut Creek, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 28, 1949, Serial No. 118,476
13 Claims. (Cl. 260—78.5)

1. A copolymer of 30 to 45 parts by weight of an ester of an unsubstituted non-aromatic poly-

carboxylic acid of 4 to 14 carbon atoms per molecule having at least two carboxyl groups linked directly together through an ethereal oxygen atom and not otherwise connected together wherein the hydrogen atom of a carboxyl group has been replaced by a non-aromatic hydrocarbon radical of 2 to 8 carbon atoms connected to an oxygen atom of said carboxyl group by a carbon atom which is directly joined to a carbon atom to which an olefinic double bond is directly attached and 55 to 70 parts by weight of a polyester of an unsubstituted aromatic polycarboxylic acid wherein the hydrogen atom of a carboxyl group has been replaced by a non-aromatic hydrocarbon radical of 2 to 8 carbon atoms connected to an oxygen atom of said carboxyl group by a carbon atom which is directly joined to a carbon atom to which an olefinic double bond is directly attached.

2,567,676

PRODUCTION OF GUANIDINE SULFATE

Nat H. Marsh, Nereton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 15, 1949, Serial No. 81,625
6 Claims. (Cl. 260—564)

1. The process of preparing a guanidine sulfate comprising reacting urea with a member of the group consisting of diammonium imidodisulfonate and triammonium imidodisulfonate at a temperature within the range of substantially 190°–300° C.

2,567,677

PREPARATION OF GUANIDINE SULFATE

Nat H. Marsh, Nereton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 12, 1949, Serial No. 126,909
4 Claims. (Cl. 260—564)

1. The method of making guanidine sulfate comprising reacting urea and triammonium nitridotrisulfate at a temperature within the range 190°–255° C. and recovering the thus-formed guanidine sulfate.

2,567,678

AQUEOUS POLYVINYL ACETATE EMULSION PAINTS AND METHOD OF PREPARING SAME

George O. Morrison, Milltown, N. J., assignor to Shawmigan Products Corp., New York, N. Y., a corporation of New York

No Drawing. Application November 1, 1946, Serial No. 707,347
16 Claims. (Cl. 260—22)

16. A paint composition comprising a suspension of a pigment in an aqueous emulsion containing resinous polyvinyl acetate as the dispersed phase together with a quantity of a keying agent amounting to about 10 to 20% by weight of the solid polyvinyl acetate and selected from the group consisting of oil acid-modified alkyd resins, polyterpene hydrocarbon resins, cumarone-indene resins, and pentaerythritol rosin esters, the emulsion containing a hydrophilic colloidal material as the emulsifier in an amount effective to stabilize the emulsion, and about 3% to about 25%, based on the weight of the emulsion, of a liquid conditioning agent selected from the group consisting of neutral organic solvents and organic swelling agents for the polyvinyl acetate having solubility in water not exceeding 10%, the emulsion being such that the coordinates x and y are at least as small as those satisfied by the equation

$$x(y-b)=k$$

in which the coordinate x is the average polyvinyl acetate particle size in microns, and the coordinate y is the per cent emulsifying agent based by weight on the polyvinyl acetate, and b and k are constants of values of about 0.5 and 9, respectively, the amounts of the conditioning agent and of the emulsifier and pigment, and the average particle size being correlated to render said composition capable of forming, when deposited, a continuous, water-resistant, relatively opaque film, said film being adherent to various surfaces and remaining so under different conditions of temperature and humidity and not re-emulsifying or disintegrating on washing with water or mild soap or other common detergent solutions.

2,567,679

PENICILLIN SALT

Harley W. Rhodehamel, Jr., Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application June 1, 1948, Serial No. 30,501
7 Claims. (Cl. 167—65)

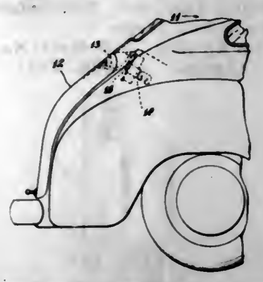
3. A therapeutic composition comprising a liquid, injectable suspending medium and solid 9-aminoacridine salt of penicillin in finely-divided particle size, said penicillin salt being present in an amount greater than will dissolve to saturate the suspending medium.

2,567,680

JACK KIT

Herbert J. A. Runsdorf, Brooklyn, N. Y.

Application July 21, 1948, Serial No. 39,973
4 Claims. (Cl. 224—42.42)



2. The combination with an automobile trunk, of a cross member fixed to and depending from the interior of the trunk, detent means disposed at terminal areas of the cross member for retaining a jack in a plane parallel with the cross member, and tensioned yieldable means carried by the cross member for retaining a base for the jack and a lug wrench for the jack.

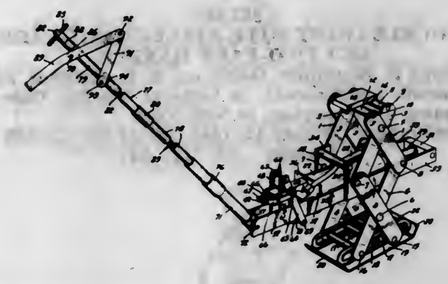
2,567,681

HYDRAULIC JACK

Joseph P. Schwartz, John P. McDonald, Stanley H. McDonald, and Thomas J. McDonald, St. Paul, Minn.

Application February 14, 1947, Serial No. 728,420
6 Claims. (Cl. 60—52)

1. In a lifting jack mechanism, a plunger-equipped lifting cylinder, a source of fluid, a high-pressure pump cylinder, a pressure plunger working in said pump cylinder, passages connecting the interior of the pump cylinder to the fluid source and to the interior of the lifting cylinder, an outwardly-opening check valve in the passage between the pump cylinder and lifting cylinder, an inwardly-opening check valve controlling the passage between the pump cylinder and the fluid source, said check valves being orientated and arranged to be coincidentally engaged and unseated by the high pressure pump plunger upon advancement of the latter beyond the normal inner limit of its travel, guide means in the nature of an operating handle extending from the jack structure and pivoted thereto on an axis



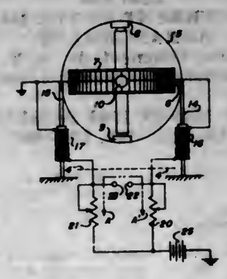
fixed with respect to the high-pressure cylinder, an operating rod extending through and mounted for rotation and axial reciprocation in said guide means, operating connections between the inner end of the operating rod and the plunger, stop means limiting outward movements of the operating rod and pressure plunger, and means for lengthening and shortening said operating rod, said operating rod in its shortened condition limiting the stroke of the pressure plunger to that required to produce a normal pumping stroke without unseating the check valves and in its lengthened condition permitting advancement of the pressure plunger to a position whereat it engages and unseats said check valves.

2,567,682

CARBON PILE GYRO PICK-OFF

George P. Silberstein, Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application July 25, 1946, Serial No. 686,180
5 Claims. (Cl. 323—72)



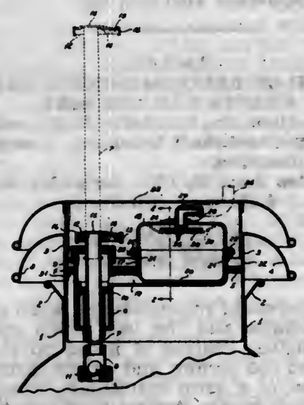
1. A carbon pile gyroscope pick-off comprising a gyroscope having an inner ring, a gyro rotor rotatably mounted therein, an outer ring rigidly connected to said inner ring at the intersections thereof, a pair of carbon piles each mounted at one end thereof on the craft to be controlled, each of said carbon piles secured at the other ends to said outer ring at points 90 degrees each way from said intersections, and an electrical circuit including said carbon piles for measuring pressure on said carbon piles due to precession forces of said rotor and rings.

2,567,683

MILK DISPENSER WITH QUANTITY REGULATOR

William Tamminga, Wallkill, N. Y., assignor to Monitor Process Corporation, Jersey City, N. J., a corporation of New Jersey

Application May 7, 1948, Serial No. 25,593
8 Claims. (Cl. 222—382)



8. A milk can provided at its top with a closure, a walled cylindrical pump chamber on the closure, said chamber being divided substantially midway of its depth into upper and lower cup-shaped compartments by a flexible cup-shaped diaphragm normally seated in the lower compartment and conforming to the interior cylindrical cup shape thereof, said lower compartment having a check valved inlet leading from the bottom of the interior of the can and a check valved outlet leading to the exterior of the can and the upper compartment being provided with a duct communicating suction and pressure alternately to the upper compartment to invert the diaphragm upon communication of suction and to return the diaphragm to its normal position upon communication of pressure, and a metering plate positioned in the upper portion of the upper compartment and adjustable axially thereof to control the extent to which the diaphragm may be inverted and thus control the milk capacity of said chamber.

2,567,684

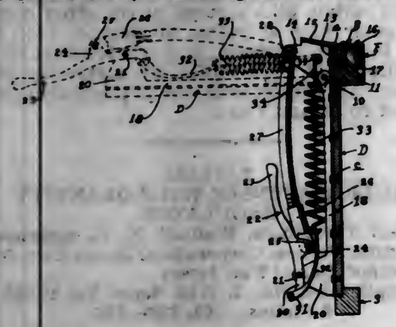
DOOR OPENER

Charles L. Tuckey, Cass City, Mich.

Application May 9, 1949, Serial No. 92,215
5 Claims. (Cl. 268—74)

4. An opener of the character stated for a door hingedly mounted in a door frame, said opener comprising a hand lever, a single pivot directly pivotally coupling said lever adjacent to one end to the door at a location remote from the hinge edge thereof, a connecting rod extending across the face of the door and pivotally secured at one

of its ends to the frame adjacent to the hinge edge of the door, and a lug on the hand lever,



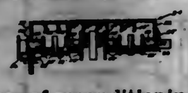
the other end portion of the connecting rod being pivotally connected with said lug.

2,567,685

METHOD OF RECONDITIONING CRANKSHAFTS AND THE LIKE

Charles J. Allen, Jr., Charlotte, N. C., assignor to American Crankshaft Company, a corporation of North Carolina

Application June 13, 1951, Serial No. 231,388
4 Claims. (Cl. 29—6)



1. The process of reconditioning worn automotive crankshafts and the like which comprises fusing a surface coating of metal on the main journals and rod throws, and on the thrust bearing surfaces, of a worn crankshaft, wherein the heat of fusion causes stresses that result in distortion of the crankshaft, rough grinding said rod throws oversize and in proper lineal relation, and thereby substantially relieving the stresses resulting from the application of said fused metal coating, then finish grinding one of said thrust bearing surfaces in relation to said rough ground rod throws to the required lengthwise dimension from the neck of said crankshaft, and then finishing the other thrust bearing surface and said main journals and rod throws in relation to said first finish ground thrust bearing surface.

2,567,686

ELECTRIC LAMP SOCKET

George B. Benander, Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application February 14, 1948, Serial No. 8,470
1 Claim. (Cl. 173—328)



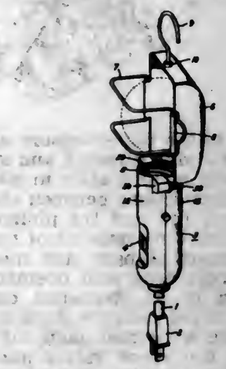
A lamp socket having a casing split longitudinally to divide it into complementary casing portions, each of said portions defining an axially extending semi-annular groove, a supporting member, a ring positioned in said groove, said ring defining an axially extending bore for engaging said supporting member, said ring further having a pair of oppositely disposed radially extending threaded bores, and means for securing said casing portions together and to said ring comprising threaded elements passing one through each of said casing portions to secure it to one of said oppositely disposed radially extending bores, one of said securing elements passing through one of said oppositely disposed radially extending threaded bores to lock said ring to said supporting member.

2,567,687

TROUBLE LIGHT WITH REFLECTOR, GUARD, AND TWO-PART HANDLE

George B. Benander, Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company, a corporation of New York

Application October 12, 1949, Serial No. 120,992
6 Claims. (Cl. 240—54)



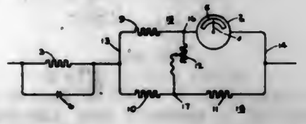
1. An electric trouble lamp comprising a longitudinally split handle housing including therein a lamp socket and switch and an outlet receptacle, and a lamp guard and reflector assembly, said assembly comprising a reflector, a wire lamp guard hinged to said reflector along one edge thereof and adapted to snap into engagement with an opposite edge of said reflector for closed position, and means attaching said reflector to said handle housing to retain the trouble lamp in assembled relation.

2,567,688

DIRECT-CURRENT METER DAMPING ARRANGEMENT

John E. Bigelow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 25, 1949, Serial No. 95,325
2 Claims. (Cl. 171—95)



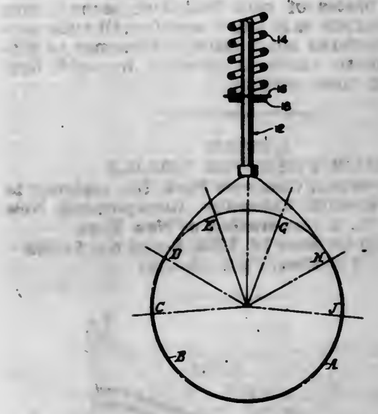
1. In combination, a pair of resistors of fixed resistance value and having a common terminal, an adjustable impedance electrically connected between the other terminals of said pair of resistors, a third resistor of fixed resistance value and a direct current meter of the moving-coil galvanometer type electrically connected in series one with the other and with said adjustable impedance to form with said adjustable impedance a damping circuit for said meter, the ratio of the internal resistance of said meter to the resistance of the one of said pair of resistors directly connected thereto being fixed and equal to the ratio of resistance of said third resistor to the resistance of the other of said pair of resistors to provide a desired value of damping of said meter responsive to adjustment of said adjustable impedance without affecting the calibration of an electrical measuring circuit in which the meter is connected.

2,567,689

CAM FOR OPERATING VALVES OF INTERNAL-COMBUSTION ENGINES

John L. H. Bishop, Birmingham, England, assignor to The Austin Motor Company, Limited, Birmingham, England

Application February 6, 1948, Serial No. 6,787
In Great Britain February 24, 1947
2 Claims. (Cl. 123—90)



1. An operating mechanism comprising a movable member, a coil spring for urging said member in one direction, and a rotary cam having a lifting surface adapted to engage and move said member in the other direction, the contour of said lifting surface being represented by a lift curve consisting of three functions in series, the first function consisting of a negative half period sine wave combined with a straight line ascending curve, whereby said member is accelerated from a predetermined velocity to a positive maximum velocity with the acceleration represented by a positive half period sine wave beginning and ending at zero acceleration, the second function consisting of a second half period sine wave, whereby said member is decelerated from said maximum positive velocity to zero velocity at the upper limit of travel and is then accelerated to a maximum negative velocity with the acceleration represented by a negative half period sine wave beginning and ending at zero acceleration, and the third function consisting of a negative half period sine wave combined with a straight line descending curve whereby said member is decelerated from said maximum negative velocity to said predetermined velocity with the acceleration represented by a positive half period wave beginning and ending at zero acceleration.

2,567,690

CAM FOR OPERATING VALVES OF INTERNAL-COMBUSTION ENGINES

John L. H. Bishop, Northfield, Birmingham, and John H. Weaving, Moseley, Birmingham, England, assignors to The Austin Motor Company Limited, Northfield, Birmingham, England

Application November 2, 1948, Serial No. 57,873
In Great Britain November 8, 1947
3 Claims. (Cl. 123—90)



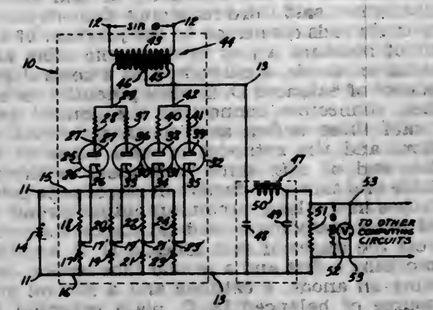
1. An operating mechanism comprising a movable member, an element actuated by said movable member, and a rotary cam having a peripheral surface adapted to engage said member, said surface having a lifting portion and a circular portion of smaller radius than the base circle of said cam whereby clearance is provided between said member and element, a ramp portion connecting said lifting portion and said circular portion, the contour of the major part of said ramp portion being represented by a lift curve consisting of two functions in series, the first function consisting of a negative sine curve combined with an ascending straight line, whereby said member is accelerated from a predetermined velocity to a positive maximum velocity with the acceleration represented by a positive one half period sine curve and is decelerated from said maximum positive velocity to another predetermined constant velocity with the acceleration represented by a negative one half period sine curve, and the second function consisting of a straight line curve tangent to the end of said negative sine curve whereby said member is moved at a minimum constant velocity with zero acceleration prior to contact with said lifting portion.

2,567,691

NONLINEAR ELECTRICAL RECTIFIER

Charles D. Bock and Ralph K. Bonell, New York, N. Y., assignors to Arma Corporation, Brooklyn, N. Y., a corporation of New York

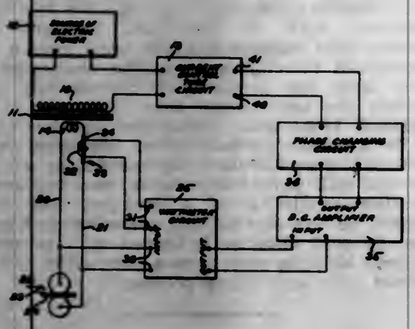
Application November 14, 1949, Serial No. 127,142
12 Claims. (Cl. 321—32)



1. In electrical apparatus for converting an alternating current input signal of a given function to a rectified output signal proportional to a desired function, the combination of an input signal transformer having a tapped secondary winding, a source of constant unidirectional voltage, a plurality of voltage dividers connected

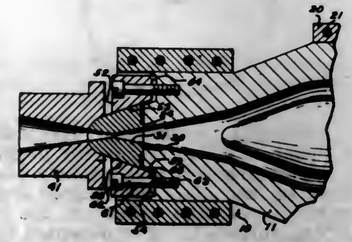
in parallel between one terminal of said source and a conductor connected to the other terminal thereof and each having an intermediate tap, rectifying devices corresponding to said dividers and interposed between the taps of the same and one of the terminals of said secondary winding, a second set of voltage dividers connected in parallel between said one terminal and said conductor and each having an intermediate tap, and a second set of rectifying devices corresponding to said second set of voltage dividers interposed between the taps of the same and the other terminal of said secondary winding, said dividers being adjusted to impress a different biasing voltage on the corresponding successive rectifying devices to provide a rectified output voltage between the transformer secondary winding tap and said conductor which is proportional to said desired function.

2,567,692
APPARATUS FOR CONTROLLING ELECTRICAL POWER
Raymond W. Brown, Oak Forest, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,018
3 Claims. (Cl. 323—102)



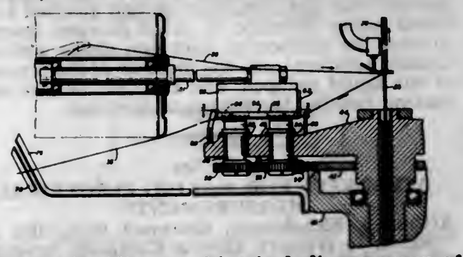
1. Apparatus for regulating the electrical power delivered to a load comprising a pair of series connected resistors shunting said load, a current transformer having its primary winding in the load circuit, a third resistance element connected across the secondary of said current transformer, said third resistance element having one of its ends connected to the junction of said pair of resistors, a pair of electronic tubes each having an anode, a cathode, and a control grid, a source of balanced D. C. plate potential for said tubes, connectors connecting the control grids of said tubes across said series connected resistors and the cathodes of said tubes to the other end of said third resistance, to thereby render said tubes conductive in response to power changes in the load circuit, an output circuit for said tubes including a load resistance connected across the plates of said tubes, a D. C. amplifier comprising a first and a second tube section each having an anode, a cathode and a control grid, a source of balanced D. C. plate potential for said tube sections, a multi-tapped resistance connected across said last named source, means connecting the contol grid of the first of said tube sections to one side of said load resistance, means connecting the other side of said load resistance to the cathodes of said tube sections through a first tapped portion of said multi-tapped resistance, means connecting said other side of said load resistance to the control grid of said second tube section through a second tapped portion of said multi-tapped resistance, a plate resistance connected to each plate of said tube sections, a phase sensitive electronic device connected in series with said load to control the current thereto, said electronic device having an anode, a cathode and a control grid, means for applying a phase shiftable alternating current to said last named grid for controlling said electronic device, the last said means including a network having an inductive branch, means for shifting the phase of said alternating current to said last named grid comprising a center tapped coil inductively coupled to said inductive branch, a third electronic tube section having an anode, a cathode and a grid, a fourth electronic tube section having an anode, a cathode and a grid, the anode of said third tube section being connected to one end of said center tapped coil, the anode of said fourth tube section being connected to the other end of said center tapped coils, the center tap of said coil being connected to the cathodes of said third and fourth tube sections, and the grids of said third and fourth tube sections being coupled to the respective plates of said first and second tube sections whereby said third and fourth tube sections are rendered conductive in response to differential plate currents flowing in said first and second tube section.

2,567,693
HIGH-PRESSURE NOZZLE
Anton J. Brunner, Congress Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 14, 1948, Serial No. 54,518
3 Claims. (Cl. 18—30)



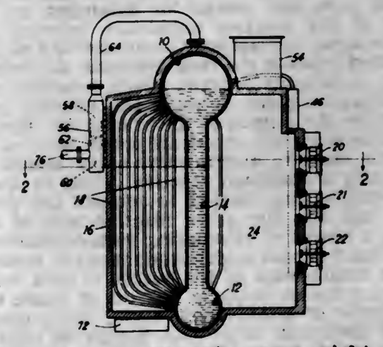
3. A molding apparatus, which comprises an injection cylinder having an exit passage and a socket at the exit of the passage, a frustoconical nozzle having a passage coaxially extending therethrough tapering from the base toward the tip of said nozzle to form a smooth continuation of said tapered passage, a retaining ring designed to fit into the socket in the cylinder and provided with a tapered opening therein for engaging conical outer surface of the nozzle, the retaining ring being provided with an outer annular skirt for engaging the bottom of the socket in a position holding the nozzle against the end of the cylinder, and a plurality of bolts for securing the ring to the exit end of the cylinder to align the nozzle passage with the passage in the cylinder, said retaining ring being provided with bores for the bolts positioned radially inside said annular skirt so that the skirt acts as a fulcrum in forcing the nozzle against the cylinder, said cylinder being provided with tapped bores spaced so as to receive the bolts.

2,567,694
BRAIDING MACHINE
Tillman T. Bunch, Towson, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 25, 1948, Serial No. 10,660
13 Claims. (Cl. 87—44)



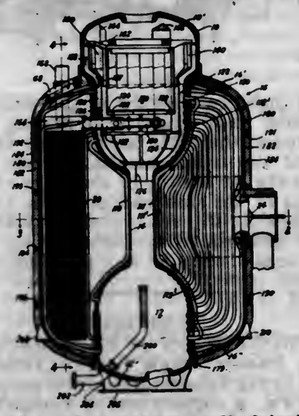
1. In a braiding machine including a group of cops, means for revolving the cops around a predetermined center in a predetermined direction, a second group of cops, means for revolving the second group of cops around said center in a direction opposite to that of the first group of cops and means for directing strands from the first group of cops alternately over and under the strands of the second group of cops, a plurality of escapement supporting and driving devices for the first group of cops, each of which comprises a pair of split rings, means connected to the rings at points on the rings off-center with respect to the rings for rotating the split rings, mutilated bearings supported by the split rings and serving to engage only portions of the split rings, means for moving a strand laterally into the split rings, said rings and said bearings serving to permit the strand to be moved laterally out of the split rings as the rings are rotated, and means supported by the bearings for supporting one of the first-mentioned cops.

2,567,695
WATER TUBE STEAM GENERATOR
Rodney S. Cox, Marion, Ohio, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application May 28, 1947, Serial No. 751,109
16 Claims. (Cl. 122—240)



16. In a vapor generator, an upright central structure including an upper vapor and liquid chamber and a lower liquid chamber connected by downcomer means, horizontally spaced upright vapor generating tubes directly connecting said chambers and disposed circumferentially of the central structure, an upright casing circumferentially enclosing the tubes and the central structure and providing a circumferential gas pass around the central structure, an upright wall extending from a position adjacent the central structure to the casing, means forming a furnace gas outlet limited to a position at one side of said wall, furnace gas introducing means at the other side of said wall, said furnace gas introducing means projecting fuel and air into the inlet of the circumferential gas pass and in a direction transversely related to the upright tubes within the gas pass.

2,567,696
STEAM OR ELASTIC FLUID GENERATOR, WITH POSITIVE PRESSURE FURNACE
George W. Kessler, New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application February 1, 1949, Serial No. 73,974
11 Claims. (Cl. 122—235)



1. In a steam generator, a cylindrical metallic casing including a pressure tight cylindrical metallic shell having upper and lower heads formed with circular openings, a cylindrical steam and water drum extending through the opening in the upper head of the casing and secured thereto in pressure tight condition, a lower cylindrical drum extending through the opening in the lower head of the casing and secured thereto in pressure tight condition, a large diameter downcomer co-axial with the casing and the drums and directly connecting the latter, the annulus between the casing and the drum and downcomer assembly providing space for a furnace and space for heat absorbing surfaces, steam generating tubes forming part of said surfaces, said tubes being directly connected to the upper and lower drums, spaced tubes forming a superheater disposed within said annulus, means connecting the steam space of the upper drum to the superheater, and means including a circumferentially directed wall construction within said annulus and forming a circumferentially extending superheater gas pass adjacent the casing wall and having a radial width of less than that of the annulus, said gas pass leading from the furnace.

2,567,697
TENT
Frank C. Craighead, Jr., and John J. Craighead, Moose, Wyo.
Application November 21, 1947, Serial No. 787,398
3 Claims. (Cl. 135—1)

3. A tent having a fold line along its rear ground edge, a floor portion extending forward-

ly over the ground from the fold line and having at each edge an upwardly extending side wall portion united to the floor portion, a back rising above the fold line, a roof having a ridge extending to a maximum height at the front and rising gradually from the top of the back, slide fasteners for uniting and disconnecting the tops of the side wall portions to the sides of the roof

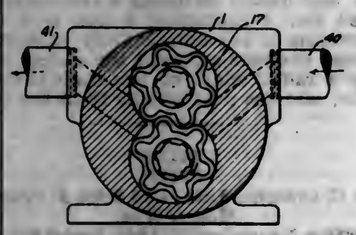


over the distance forward of the side wall portions, front flaps closed and folding along the lines between the high point of the ridge at the front and the fronts of the side wall portions, guy supports for the top of the ridge at the front, the fronts of the side wall portions, and the top of the back at the rear, and tie-downs for the fold line, the front flaps terminating on a level with the tops of the side wall portions.

2,567,698
PRODUCTION OF BACITRACIN
Grant D. Darker, Maple Heights, Ohio, assignor to Ben Venue Laboratories, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 29, 1949, Serial No. 102,159
10 Claims. (Cl. 195—96)

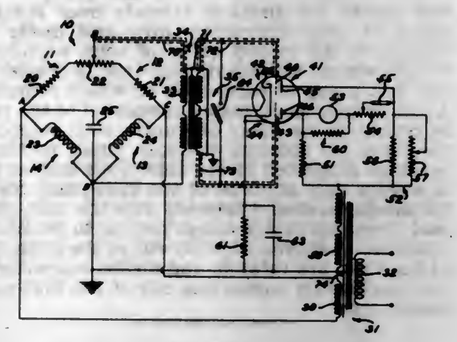
1. That method of producing bacitracin comprising the steps of inoculating with a bacitracin producing strain of *B. subtilis* a culture medium comprising, as essential ingredients, soybean meal and a substance of the group consisting of alkali and alkaline earth salts of fatty acids, and then incubating the inoculated medium.

2,567,699
PUMP
George A. Devlin, Grosse Ile, Mich., assignor to Barnes Manufacturing Co., Mansfield, Ohio, a corporation of Ohio
Application April 16, 1947, Serial No. 741,894
12 Claims. (Cl. 103—126)



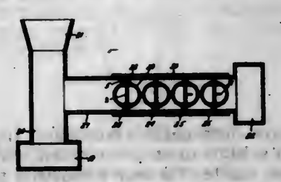
12. A gear member for a gear type pump adapted to be rotatably operated between side plates of a pump comprising a rigid body substantially of gear form and having a coating of rubber-like material substantially uniform in thickness over the entire periphery of the gear teeth contours, said coating having oppositely disposed lips projecting axially from said coating with each lip substantially following the contour of the gear shape adjacent the peripheral portions thereof, said lips being flexible and adapted to be flexed under pressure of liquid pumped thereby to wipe the surfaces of said side plates with increased pressure upon the increase of the pressure of the liquid pumped, and the thickness of said coating limiting the flexing of said lips.

2,567,700
APPARATUS FOR MAKING ELECTRICAL MEASUREMENTS
Arthur J. Ehlschlager, Elmwood Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 11, 1946, Serial No. 696,113
4 Claims. (Cl. 175—183)



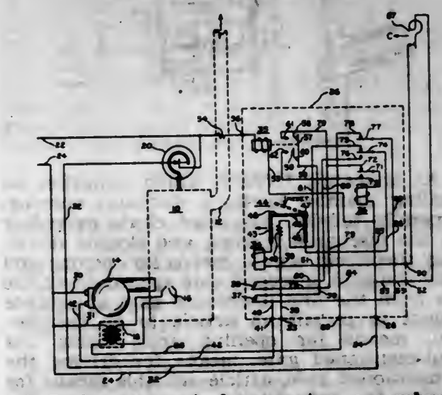
1. An apparatus for measuring the value and direction of the electrical characteristics of a reactive device, said apparatus comprising an alternating current bridge comprising a pair of reactive arms having a conjugate point between them, a separate resistive arm connected to each reactive arm, and means for balancing out the effects of the reactive unbalance between said reactive arms, the last-said means being a resistor connected between the resistive arms, the resistor having a variable contact which together with the conjugate point between the reactive arms constitutes the output of the bridge, the input of the bridge being the conjugate points between the adjacent resistive and reactive arms, means for connecting a standard reactive device in one of said reactive arms, means to connect the device under test into the other reactive arm of said bridge, a source of alternating voltage connected to the input of said bridge, and means to measure voltage components of the output of said bridge that are either in phase or 180° out of phase with said source of alternating voltage comprising a pair of electronic tubes each having at least an anode, a grid and a cathode, means to apply the output voltage of said bridge to said grids in opposite phase relation, a second source of alternating current connected to said anodes, said second source of alternating current being in phase with said first source of alternating current, and an indicator responsive to the current differentials of said tubes to indicate the value and the direction of the electrical characteristics of said device under test.

2,567,701
ULTRA HIGH FREQUENCY COUPLING DEVICE FOR WAVE GUIDES
Milan D. Fiske, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 2, 1944, Serial No. 538,483
5 Claims. (Cl. 178—44)



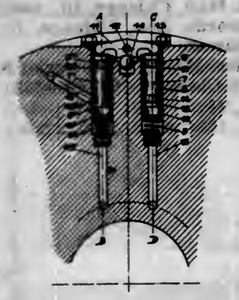
1. In combination, a hollow pipe type wave guide for transmitting electromagnetic waves dielectrically, and means for attenuating waves in said guide having an intensity greater than a predetermined intensity, said means comprising a plurality of transverse wall members connected across said guide at points spaced apart longitudinally by a distance equal to an odd multiple of a quarter wave length at the frequency of said waves, each of said wall members having an aperture therein tuned to the frequency of said waves, and means associated with the end ones of said wall members for sealing the region between said wall members, said region being filled with a gaseous medium, and electrode means associated with at least one of said apertures for establishing an electric discharge in the vicinity of said one aperture.

2,567,702
AUTOMATIC BURNER CONTROL
Paul G. Frerer, Baltimore, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Application April 16, 1948, Serial No. 21,402
4 Claims. (Cl. 175—375)



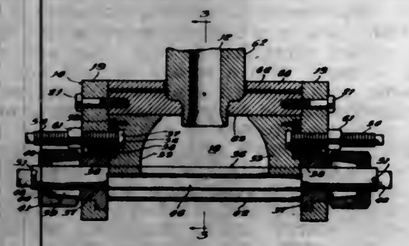
1. In burner control apparatus, a combustion sensing element in the form of a temperature responsive resistor, a combustion relay, means including the winding of said combustion relay for connecting said resistor to a source of electrical energy, said resistor serving to control the current in the winding of said combustion relay, a first normally open switch controlled by said combustion relay and closing at a first combustion temperature, a second normally open switch controlled by said combustion relay and closing at a second combustion temperature higher than said first combustion temperature; a normally closed time delay switch; an electrically responsive actuator for opening said time delay switch at a predetermined time interval after initiation of current flow through said actuator; an electric control relay having its winding connected at one end with a source of electric energy; a first movable contact controlled by said relay and normally engaged with a second contact and engageable with a third contact in response to energization of said control relay; a fourth movable contact controlled by said relay and normally engaged with a fifth contact and engageable with a sixth contact in response to energization of said control relay; means connecting one terminal of each of said switches with said source of electric energy, means connecting the other end of said control relay winding with said first contact, means connecting the other terminal of said first switch with said third contact, means connecting the other terminal of said second switch with said second and sixth contacts, means connecting said fifth contact with said source of electric energy through said actuator, and means connecting the other terminal of said time delay switch with said fourth contact.

2,567,703
CENTRIFUGALLY BALANCED VALVE FOR GIVING CLUTCHES OVERLAPPING ENGAGEMENT
Henri Grandgirard, Puteaux, France, assignor to Société des Brevets Kegresse, S. E. K., Paris, France, a French corporation
Application January 26, 1946, Serial No. 643,807
In France December 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 23, 1963
4 Claims. (Cl. 192—87)



1. In a device for supplying and discharging pressure fluid to and from a group of two clutches having hydraulically engaged discs, wherein the clutches act in succession thereby to ensure overlap in the engagement thereof, the provision of a pair of slide valves arranged with parallel axes, each associated with one of the clutches to control the supply and the discharge of fluid to and from the associated clutch, a pivoted rocker having an arm operatively engaged directly with one end of each valve, and a calibrated return spring operatively connected to the opposite end of each valve and yieldably urging the associated valve in opposition to actuation by said rocker, which is thus responsive to movement of one of the valves from discharge to supply position, to move the other valve from supply to discharge position

2,567,704
EXTRUSION APPARATUS
Louis M. Grimes, Chicago, Ill.
Application August 31, 1948, Serial No. 47,071
11 Claims. (Cl. 18—12)



9. An extrusion head for forming a plastic sheet, comprising a housing, said housing having an elongated extrusion chamber, a cover plate secured to said housing and formed with an elongated outwardly converging slot, a blade adjustably secured to said cover plate, a gate mounted on said cover plate in spaced parallel relation to said blade to define an elongated passageway in registry with said elongated slot, said gate being rotatable about its axis to vary the width of said elongated passageway, plug means mounted in spaced relation within said extrusion chamber to determine the length of said elongated passageway, means to adjust the positions of said plug means within said extrusion chamber to vary the length of said elongated passageway, an electrical heating unit extending axially through said gate, and thermostat means to control the temperature of said gate.

2,567,705
PANEL FOR VISIBLE RECORD EQUIPMENT
Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application May 5, 1948, Serial No. 25,248
6 Claims. (Cl. 40—162)



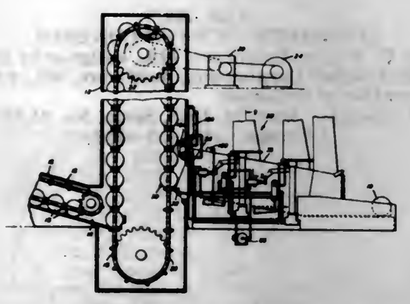
1. A panel for visible record strips which comprises, a relatively flat sheet metal, U-shaped metallic strips mounted in contacting relationship opposite edge portions of the faces of said sheet, a portion of said strips being spaced from the face of said sheet to provide channels for the reception of visible record strips, and a plurality of transverse beads formed upon said metallic strips extending substantially from the base of said channels to the U-bend of said metallic strips.

2,567,706
MOISTURE-DESTRUCTIBLE CONTAINER
John A. Hannum and Joseph N. Epel, Detroit, Mich., assignors to Hefco Laboratories, Detroit, Mich., a partnership consisting of Joseph N. Epel, Morris Frumin, and John A. Hannum
Application January 9, 1946, Serial No. 640,013
1 Claim. (Cl. 229—3.5)



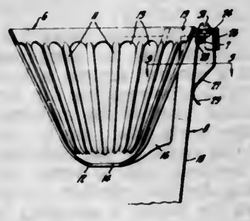
A moisture-destructible container for bulk material with a high moisture content comprising a wall portion made of a heavy blotting paper stock that has a negligible wet strength, a coating of glue sizing on the inner surface thereof to seal said surface against penetration, and a thin frangible layer of unplasticized polystyrene over said glue sizing to render said inner surface moisture impervious, the outer surface of said wall portion being unprotected, freely accessible to external moisture, and given to ready absorption of external moisture with resulting rapid disintegration of the container.

2,567,707
FURNACE DISCHARGING APPARATUS
Carl O. Haase, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 24, 1949, Serial No. 112,052
10 Claims. (Cl. 214—21)



1. An annealing furnace, which comprises an annealing chamber having a discharge opening, a generally tubular, elongated chute extending from the discharge opening and sloping downwardly therefrom, a gate, means for opening and closing the gate, a second gate spaced along the chute from the first-mentioned gate a distance sufficient to permit an article to be therebetween, means for opening and closing the second-mentioned gate, means for driving the first-mentioned gate, article-actuable means for actuating the gate-driving means to open the first-mentioned gate when an article is at the approach side of the first-mentioned gate and for actuating the gate-driving means to close the first-mentioned gate when there is no article at the approach side of the gate, means associated with the second-mentioned gate for preventing operation of the gate-driving means when the second-mentioned gate is not in a closed position and permitting operation of the gate-driving means when the second-mentioned gate is in a closed position, means for driving the second-mentioned gate, article-actuable means for actuating the gate-driving means to open the second-mentioned gate when an article is in the portion of the chute between the gates and to close the second-mentioned gate when there is no article in that portion of the chute, and means associated with the first-mentioned gate for preventing operation of the second-mentioned gate-driving means when the first-mentioned gate is not in a closed position and permitting operation of the second-mentioned gate-driving means when the first-mentioned gate is in a closed position.

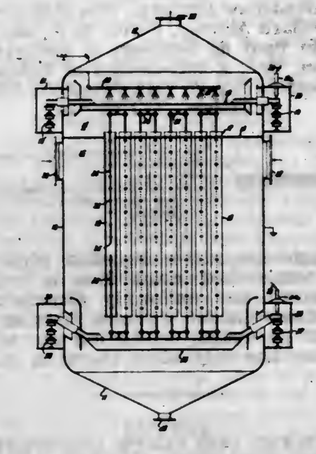
2,567,708
MOP WRINGER
Michael Heber, deceased, late of San Jose, Calif., by Elma Recksiek, executrix, San Jose, Calif., assignor to Helene H. Armstrong, San Francisco, Calif.
Application March 29, 1948, Serial No. 17,602
3 Claims. (Cl. 15—263)



1. A mop wringing receptacle comprising, an open top portion adapted for receipt of a mop and a plurality of depending circumferentially spaced ribs converging away from said top to define a side having a plurality of circumferentially spaced vertically elongated wedge shaped openings, means projecting radially from said top portion to overlie the top rim of a pail, a pair of said ribs spaced on opposite sides of said means each being formed with integral webs extending substantially radially outwardly thereof, said webs extending from said ring shaped top portion downwardly on the back portions of said ribs, said receptacle having a dish shaped bottom and said webs having their lower portions integrally connected to said dish shaped bottom, the outer edge of said webs being arranged for engagement with the side wall of said pail so as to support said receptacle on said pail.

2,567,709
ELECTRICAL PRECIPITATOR WITH DUAL DISCHARGE ELECTRODES
Carl W. J. Hedberg, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application August 18, 1948, Serial No. 44,878
6 Claims. (Cl. 183—7)

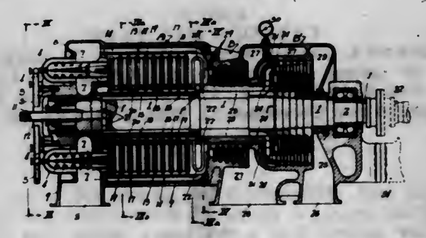
1. An electrical precipitator comprising a vertical cylindrical casing, baffle means in said casing defining an axially extending gas passage, said baffle means cooperating with the walls of said casing to define at least four peripheral zones, diaphragm means extending between said baffle means and the walls of said casing blocking flow of gas through said zones, extended surface collecting electrodes supported in said axial gas passage, an assembly of complementary discharge electrodes disposed in spaced relation to said extended surface electrodes, support means for said discharge electrodes extending within at least two of said peripheral zones, gas inlet means communicating with at least two other of said peripheral zones on one side of said diaphragm means, and gas outlet means on the other side of said diaphragm means.



2,567,710
ACCELERATING COMPOSITION
Rutherford B. Hill, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 24, 1947, Serial No. 775,959
10 Claims. (Cl. 260—306.5)

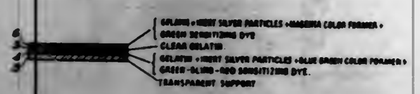
1. A vulcanization accelerator and curative prepared by treating with a 0.1%–1.0% of a base the composite heat fusion product of a 2,2'-dithio bis thiazole accelerator and sulfur.

2,567,711
ROTARY POWER PLANT
Edwin B. Hudson, Middletown, Ohio
Application October 29, 1946, Serial No. 706,378
9 Claims. (Cl. 60—49)



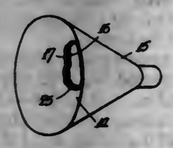
1. A power plant comprising a unitary assembly embodying a rotary shaft supported for rotation at the opposite ends of said assembly, a vapor generator, a gas turbine and a vapor turbine mounted in series in axial alignment on said shaft, a plurality of fuel burners at one end of said vapor generator directing combustion gases in a single direction through said vapor generator and gas turbine in series and towards said vapor turbine, and superheater tubes mounted on said shaft at the opposite end of said vapor generator for supplying superheated vapor to said vapor turbine which vapor also traverses the field of operation of said gas turbine along said shaft.

2,567,712
ELEMENT FOR RECORDING PHOTOGRAPHIC IMAGES
Andrew Bradshaw Jennings, New Brunswick, and Otis Willard Murray, Fords, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 7, 1945, Serial No. 598,126
9 Claims. (Cl. 95—2)



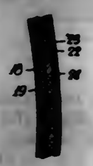
1. A light-insensitive liquefied photographic coating composition comprising a hydrophilic colloid which has uniformly dispersed therethrough finely divided, discrete particles of inert silver and an optical sensitizing dye said inert silver being the only silver atoms in said composition.

2,567,713
LIGHT FILTER FOR BLACK AND WHITE AND COLOR TELEVISION RECEIVERS
Michael L. Kaplan, New Rochelle, N. Y., assignor, by mesne assignments, to Sightmaster Corp., New Rochelle, N. Y., a corporation of New York
Application May 26, 1950, Serial No. 164,539
16 Claims. (Cl. 313—92)



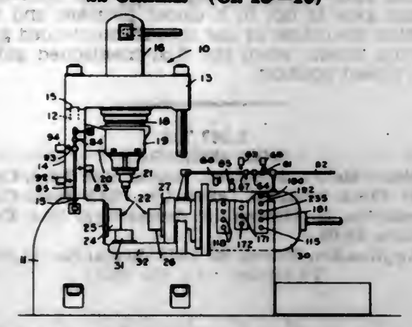
10. A cathode ray tube having a fluorescent screen at the inside of the large end thereof and having on the outside of said large end an alloy film consisting essentially of from 10% to 30% iron and from 70% to 90% of a metal from the group consisting of nickel, mercury, chromium, silver, aluminum and rhodium.

2,567,714
CATHODE-RAY TUBE
Michael L. Kaplan, New Rochelle, N. Y., assignor, by mesne assignments, to Sightmaster Corp., New Rochelle, N. Y., a corporation of New York
Application December 21, 1950, Serial No. 201,953
9 Claims. (Cl. 313—92)



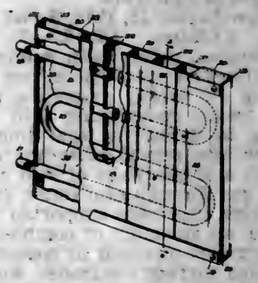
1. A cathode ray tube having a fluorescent screen on the inside of the large end thereof and having a reflecting surface for said screen, said reflecting surface consisting of an alloy containing from 10% to 30% iron and from 70% to 90% of a material from the group consisting of nickel, mercury, chromium, silver, aluminum, rhodium and a mixture of at least two of said metals nickel, mercury, chromium, silver, aluminum and rhodium.

2,567,715
HYDRAULIC PRESS CONTROL
Edwin F. Keusch, Verona, and Lester O. Reichelt, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 19, 1946, Serial No. 648,689
22 Claims. (Cl. 18—16)



13. In an angle molding press for operating a three-part molding die to compress a molding material into a molded article, a horizontal ram carrying a part of the molding die, a vertical ram carrying another part of the molding die, means for moving the horizontal ram to close and hold two parts of the molding die together, means for moving the vertical ram to bring the third part of the molding die into closing relationship with the other two die parts, a plurality of valves for controlling the moving means for the said rams, a horizontal in solenoid for operating a valve to move the horizontal ram to in position to close two of the die parts, a horizontal out solenoid for controlling a valve to move the horizontal ram to out position to open the molding die, a vertical up solenoid for controlling a valve to move the vertical ram up to open the molding die, a vertical down solenoid for controlling a valve to move the vertical ram down to close the die and apply molding pressure to the molding material, and electrical controlled means for operating the said solenoids in a predetermined sequence and at predetermined intervals to move the rams to close the die to apply a given molding pressure, then release the molding pressure to permit breathing for the escapement of gases, reapplying molding pressure, and subsequently retracting the rams to open the molding die to release the molded article.

2,567,716
HEAT EXCHANGE UNIT
Richard W. Kritzer, Chicago, Ill.
Application February 14, 1947, Serial No. 728,579
6 Claims. (Cl. 257—256)



3. A heat exchange unit, comprising a coil for conducting fluid, including substantially parallel

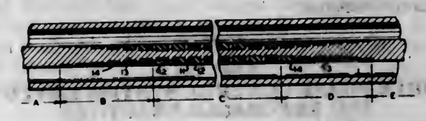
members and connecting bends, two series of plates, each plate including a face-portion and integral marginal flanges for providing fins on the coil, the face-portions of the series of plates forming walls at the opposite sides of the coil, the flanges of each series being extended to the inner faces of the face-portions on the opposite series, the flanges having open-sided apertures, with constricted portions at the outer edges of the flanges, the coil having a cross-sectional contour in tightly gripped relation with the edges, and interlocked with the edges of the constricted portions of the apertures, by which the plates are permanently secured on the coil, with the face-portions forming the walls and the flanges secured to form fins on the coil.

2,567,717
TRANSFORMER
Karl G. Lagerlof, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 11, 1947, Serial No. 791,021
4 Claims. (Cl. 171—119)



1. An assembly of laminations for a transformer core, comprising a plurality of thin sheets of ferromagnetic material in stacked relationship, each sheet having a curved non-planar surface, substantially half of the total number of sheets in the assembly being curved in one direction and the other half of the total number being curved in the opposite direction, each sheet having an aperture therethrough and the apertures in the several sheets being aligned to provide a bore extending through the stack of sheets, and means passing through said bore and engaging said sheets for maintaining the sheets in stacked relationship.

2,567,718
TAPERED CORRUGATED LINE
Roland W. Larson, Marshfield, Wis., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application September 24, 1945, Serial No. 618,369
11 Claims. (Cl. 178—44)

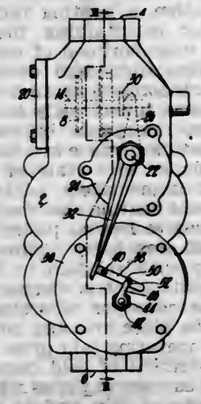


1. An impedance matching section adapted to efficiently convey high frequency electromagnetic wave energy comprising, an inner and an outer conductor, one of said conductors having a plurality of axially spaced annular grooves of progressively increasing depth, the number of said grooves per wave length in the matching section being greater than two, the depth of said grooves being small compared to a wave length and said grooves being filled with dielectric material.

2,567,719
SUSPENSION OF VINYL CHLORIDE POLYMER IN POLYMERIZABLE LIQUID
John A. Loritsch, Scotia, and Patrick M. Di Cerbo, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
No Drawing. Application March 18, 1948, Serial No. 15,746
7 Claims. (Cl. 260—31.8)

1. A liquid preformed homogeneous coating suspension comprising, by weight, (1) from 5 to 30 per cent of a dispersed phase of a finely divided solid material having an average particle size below 100 microns and being selected from the class consisting of polyvinyl chloride and copolymers of vinyl chloride and a vinyl ester of a lower saturated aliphatic monocarboxylic acid in which the viny chloride comprises at least about 95 per cent of the total weight of the polymerizable materials used in making the copolymer, (2) a liquid dispersing medium comprising (a) from 25 to 45 per cent of a liquid polyallyl ester of a polycarboxylic acid and (b) from 15 to 45 per cent of a liquid polymerizable unsaturated alkyd resin obtained by effecting reaction between a polyhydric alcohol and an alpha unsaturated alpha, beta polycarboxylic acid, and (3) from 0.25 to 1.5 parts, by weight, of a liquid plasticizer per part of the finely divided polymer described above in (1).

2,567,720
FIRE CHECK
Joseph Madden, Gary, Ind., assignor to United States Steel Company, a corporation of New Jersey
Application May 21, 1948, Serial No. 28,449
6 Claims. (Cl. 48—192)



1. In a fire check for combustible fuel pipe lines, the combination including a casing having inlet and outlet passages, a self-closing valve within the casing between said passages, a rotatable lever shaft extending through the wall of said casing, a valve lever within the casing having one end connected to said shaft for movement therewith and the other end connected to open said valve, a lever arm connected to the end of said shaft extending outside of said casing, a flame interrupting means within the casing adjacent said outlet, a rotatable shaft extending through said casing adjacent said flame interrupting means, means on the outer end of said last named rotatable shaft connecting it to said lever arm, a heat responsive device in said casing adjacent said outlet, and holding means for said heat responsive device on the inner wall of said casing, said heat responsive device having one

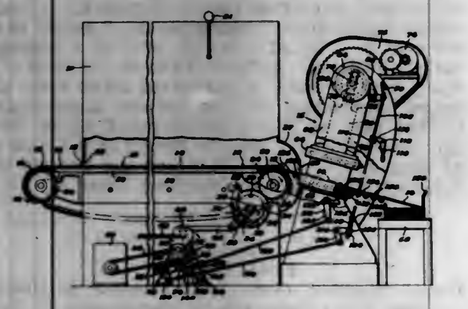
end connected to the inner end of said last named rotatable shaft and the other end connected to said holding means to normally hold the valve in open position.

2,567,721

METHOD OF AND APPARATUS FOR MAKING HIGH-TEMPERATURE-RESISTING BONDED MICA PRODUCTS

William R. Mansfield, Belmont, and Frank C. Hughes, Cambridge, Mass., assignors to Willis A. Boughton, Chester L. Dawes, William R. Mansfield, Frank C. Hughes, and Donald M. Hill, trustees

Application January 7, 1947, Serial No. 720,598
3 Claims. (Cl. 154—2.6)



1. Apparatus of the character described having in combination, a heating furnace provided with means for maintaining the temperature therein in the neighborhood of red heat, a conveyer for moving individual composite bonded mica plates, each comprising an assembly of layers of mica flakes superficially bonded together by an unfluxed inorganic binder successively through the heating furnace in a horizontal plane to bring the binder to a state of flux, a power press disposed immediately adjacent the discharge end of said heating chamber and arranged to receive successive heated plates directly from the furnace, said press being inclined downwardly and rearwardly with relation to the horizontal plane of the plate as it is discharged from the furnace by the conveyer whereby to facilitate movement of the plate into and out of the press, and means for operating said press in timed relation to the movement of said conveyer to effect compression of successive plates while the binder is still in a state of flux and to maintain said pressure for a predetermined interval during which the plate is cooled.

2,567,722

FABRIC FINISHING COMPOSITION

Carl M. Marberg and Marion E. Shields, Kansas City, Mo., assignors to The Perfex Company, a partnership

No Drawing. Application April 29, 1947, Serial No. 744,788
12 Claims. (Cl. 106—170)

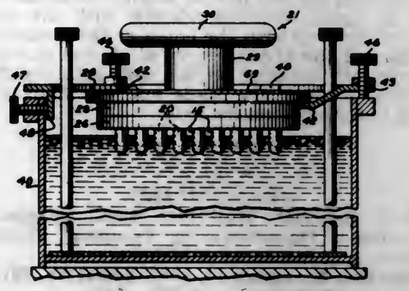
1. A fabric finishing composition water washable from a substantially dry fabric coated therewith and consisting essentially of water, a water soluble alkyl derivative of cellulose dissolved in the water, and from 0.2 to 5.0% by weight of said composition of a wax dispersed in said water.

2,567,723

METHOD OF APPLYING ANNULAR COATINGS TO LIGHT BULBS

Clarence E. McCoy, Clarendon Hills, and Walter J. Scott, Hinsdale, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 9, 1949, Serial No. 103,808
2 Claims. (Cl. 117—43)



1. A method of masking predetermined annular portions of light bulbs which comprises the steps of mounting a plurality of said bulbs in parallel relation to each other for movement together with the closed ends of said bulb extending in the same direction and the lowermost portions of said ends being disposed in a predetermined plane, dipping the bulbs, closed ends first, to a predetermined depth into an aqueous suspension of powdered vitreous enamel and removing the bulbs to form a coating of enamel on the ends and predetermined portions of the sides of said bulbs, air drying the coating of enamel on said bulbs, engaging end portions of the bulbs to a predetermined extent axially thereof with the bristles of a brushing member and causing relative movement between the bulbs and brushing member in a direction transversely to the axis of said bulbs to remove the enamel coating from the ends of said bulbs and also predetermined axial portions thereof, and heating the bulbs to fuse the enamel thereon.

2,567,724

POLYSILTHIANES

Leroy S. Moody, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application November 29, 1950, Serial No. 198,241
6 Claims. (Cl. 260—448.2)

1. A composition of matter comprising a silthiane selected from the class consisting of (1) hexamethyl cyclotrisilthiane and (2) tetraphenyl cyclodisilthiane.

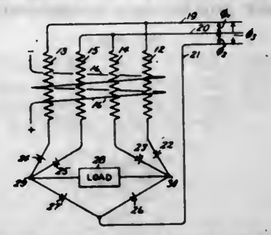
2,567,725

THREE PHASE CONTROL SYSTEM EMPLOYING SATURABLE REACTORS

Raymond E. Morgan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 31, 1950, Serial No. 193,171
2 Claims. (Cl. 321—25)

1. A three phase control system comprising, saturable reactor means having two pair of reactance windings and at least one control winding for controlling the level of magnetic saturation of said reactor means, a direct current consumption circuit, three input conductors for connection to a three phase alternating voltage source, and full-wave double-bridge current rectifying means connected in circuit relation with each conductor and said consumption circuit to enable current to flow through said consumption circuit in only one direction from two of said conductors to a third conductor during each of four alternations of source voltage supplied between said latter two conductors and said



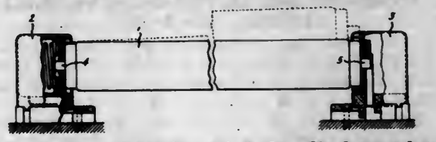
third conductor during one three phase cycle of alternating voltage supplied to said input conductors, and each pair of said reactance windings being connected in circuit relation with each of said two conductors and said consumption circuit to receive a respective one of the currents produced by said four alternations of source voltage.

2,567,726

LAMP HOLDER FOR SINGLE PIN TYPE FLUORESCENT LAMPS

John M. Pistey, Fairfield, Conn., assignor to General Electric Company, a corporation of New York

Application September 8, 1949, Serial No. 114,493
8 Claims. (Cl. 173—328)



6. A lamp holder for a tubular discharge lamp having a contact pin at an end thereof, said holder comprising a hollow metal outer housing open at the bottom and having in one wall thereof an opening for receiving an end of a discharge lamp, an inner housing of insulating material within said casing having an open end communicating with the opening in said outer housing, a plate of insulating material slidably enclosed in said inner housing for closing said opening, and having a surface supporting a contact disk, a base member of insulating material secured to the open bottom of the outer housing, terminal means on said base, means for electrically connecting said terminal means with said contact disk, said means comprising a conductor bar extending upwardly along the inner rear wall of said inner housing and a spring member having one end in contact with said bar and the other end in contact with said contact disk.

2,567,727

CONNECTOR HAVING AN AUTOMATIC LOCKING SLEEVE

Edward C. Quackenbush, Aurora, Ill., assignor to American Phenolic Corporation, Chicago, Ill., a corporation of Illinois

Application April 7, 1949, Serial No. 86,082
5 Claims. (Cl. 173—363)

1. A quick-disconnecting automatic coupling connector consisting of a receptacle and a plug in telescoping relationship; the plug having recessed body portion, neck and cylindrical contact pin integral with each other, with a detent portion consisting of an annular shoulder integral with the contact pin at a point adjacent the neck portion; a slidable locking sleeve surrounding said body along the neck portion and overhanging the detent portion of the pin, a coil spring encircling the neck of the body and urging the sleeve longitudinally toward the pin, and means to limit the movement of the sleeve; the receptacle consisting



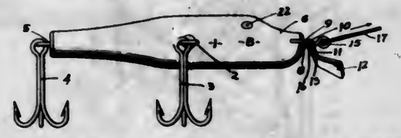
of a recessed body portion and a multiple jaw collet integral therewith, with a generally cylindrical bore to receive the contact pin of the plug; a coacting detent portion comprising an annular shoulder within the jaws of the collet to interlock with the detent portion of the plug; said collet having exterior surfaces engaged by the forward end of the locking sleeve of the plug whereby the sleeve restrains the collet against expansion and holds the plug and receptacle detents locked together.

2,567,728

ARTIFICIAL FISHING LURE

Horace M. Rivero, Tampa, Fla.

Application May 1, 1950, Serial No. 159,284
8 Claims. (Cl. 43—42.47)



1. An artificial fishing lure of the class described, comprising a lure body, means carried by one side of said lure body for causing the lure body to normally assume a position with said side directed downwardly, and means at the nose of said lure body for effecting rotation of the lure body to an upright position normal for a swimming fish responsive to forward motion of said body, said last mentioned means comprising a shovel nose having a water pressure responsive portion disposed at a slight angle transversely inclining downwardly from one side of the shovel nose to the opposite side thereof when the lure body is in an upright position.

2,567,729

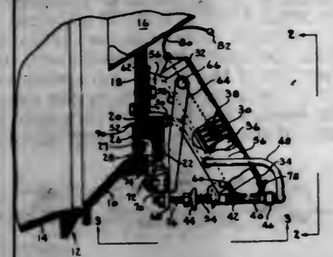
LUBRICATOR

George A. Rockburg and Harry C. Peters, Milwaukee, Wis., assignors to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin

Application December 10, 1948, Serial No. 64,572
5 Claims. (Cl. 259—161)

1. In a mixer, a rotating mixing drum having a mouth through which the mix passes into and out of the drum, an apertured end plate rotatable with the drum, a charging hopper assembly, means for non-rotatably mounting same for discharging mix material into the drum mouth through the aperture of the plate, bearing means mounting the plate for rotation on said hopper assembly, grease supply means including a grease dispensing device mounted on the hopper assembly, means operatively connecting the grease

dispensing device to the bearing means to supply grease thereto when said grease dispensing device is actuated, and means on said plate for periodi-

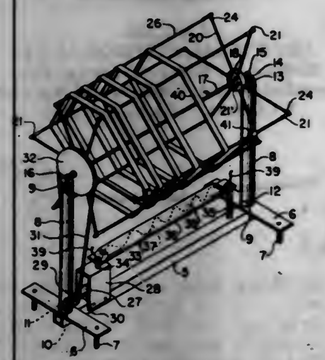


cally actuating the grease dispensing device to deliver grease to the bearing means when the plate rotates relative to the hopper assembly.

2,567,730

APPARATUS FOR DRYING PHOTOGRAPHIC STRIP FILM

Samuel Rose and Benjamin Rose, New York, N. Y.
Application February 8, 1949, Serial No. 75,135
3 Claims. (Cl. 34—153)



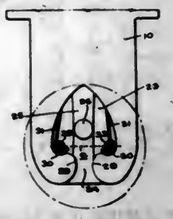
1. In apparatus for drying photographic strip film, a base, a reel on the base for supporting a strip of film in coiled formation consisting of a central shaft, opposed radial spokes supported at both ends of the shaft, a tubular socket member slidably supported on the outer end of each spoke and disposed parallel with the shaft, a bar detachably supported between each pair of opposed socket members and a coiled spring interposed between each socket member and its supporting spoke for yieldingly supporting said socket member and a heating unit on the base below the bars for drying film supported by said bars.

2,567,731

FLUORESCENT LAMP SOCKET

Ruben P. Rosen, Philadelphia, Pa., assignor to Progress Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 20, 1946, Serial No. 710,978
2 Claims. (Cl. 173—328)

1. A socket for tubular electric lamps of the type having spaced contact pins projecting from an end thereof comprising a main body member of insulating material having in one face thereof an opening of cordate shape and an entrance slot extending inwardly from one end of said body member and communicating with the base end of said cordate opening, the marginal edges of the opening defining the opposite basal corners thereof being arcuately shaped to provide opposed notches the mouths of which respectively present inwardly and upwardly toward the center of said cordate opening, the said notch-defining marginal edges of the opening being reversely curved and extended inwardly of the opening at opposite sides of said entrance slot whereby said arcuate notches are respectively outwardly

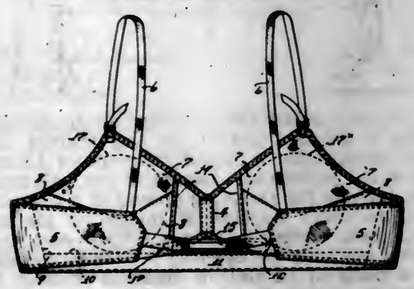


indented relatively to the inner end of said entrance slot, and a pair of spring contact members respectively disposed adjacent opposed side edges of said opening and terminating in arcuately-shaped pin-receiving seats presenting inwardly and upwardly toward the center of said cordate opening, said pin-receiving seats of said contact members being respectively disposed within the opposed notches of the cordate opening in said body member.

2,567,732

BRASSIÈRE

William Rosenthal, Bayville, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application June 16, 1949, Serial No. 99,427
1 Claim. (Cl. 2—42)



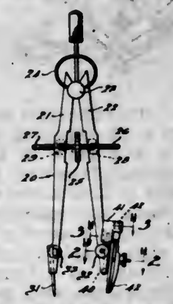
A brassière having two breast receiving portions pre-shaped and capable of breast-like form, each of said portions comprising a forward fabric wall and a rearward fabric wall, each of said walls comprising an upper piece of fabric having an inverted V-shaped upper edge and a V-shaped lower edge and a lower piece of fabric having an upper V-shaped edge secured to said V-shaped lower edge of said upper piece, the upper V-shaped edge of the forward wall being secured therealong to the upper V-shaped edge of the rearward wall, said forward and rearward walls having outer lateral edges seamed together and a backstrap secured thereto, the lower edges of said forward and rearward walls being seamed together, the inner lateral edge of said rearward wall being substantially vertical and free from said forward wall, whereby said forward and rearward walls form therebetween a pocket having a substantially vertical opening at the inner lateral edge of the rearward wall adapted to receive a foldable breast pad which when brought to normally spread-out position will rest upon

the seamed lower edges of the forward and rearward walls and will be laterally bounded and restrained by the inverted V-formation of the pocket at its top so as to be resiliently mounted within the pocket for proper adjustment to the contour of the breast, the said vertical openings of the two breast pockets facing each other.

2,567,733

DRAWING COMPASS ATTACHMENT

George A. Ryan, Royal Oak, Mich.
Application June 11, 1948, Serial No. 32,512
2 Claims. (Cl. 33—149)

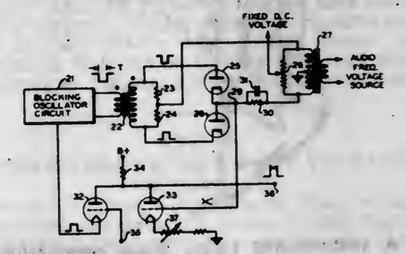


1. A drawing compass attachment comprising an inverted L-shaped head member, a leg on said head adapted to lie substantially vertically and having a recess in the back of said leg adapted to receive the arm of a compass in nesting relation therewith for preventing relative movement therebetween, a foot on said leg extending substantially horizontally outwardly from said leg, a stud extending downwardly from the end of the leg portion of said head adapted to be received in the channel of a compass leg normally carrying pencil lead for fixedly annexing said inverted L head to a compass at a point substantially above the end of the compass arm, and a pen fixedly anchored in the foot portion of said inverted L-shaped head member substantially paralleling said stud and extending downwardly beyond the end of said stud.

2,567,734

SIGNAL GENERATOR

David Sayre, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of the Navy
Application March 5, 1946, Serial No. 652,191
7 Claims. (Cl. 332—9)



5. Apparatus for providing voltage pulses of cyclically varying amplitude and slope comprising, a pulse generator, a source of audio frequency oscillatory voltages, and means for mixing the outputs of said pulse generator and said audio frequency source for causing the output pulses of said pulse generator to assume exponentially varying forms.

2,567,735

ROLLER CAM FOLLOWER

Benjamin B. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 29, 1949, Serial No. 73,636
4 Claims. (Cl. 74—569)

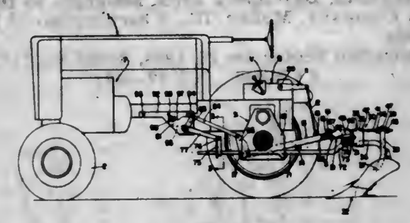


1. A cam follower comprising a movable member ending in a fork, crank arms pivoted on the tines of said fork on a pivot axis normal to the direction of motion of said member, a shaft rigidly mounted on said crank arms and a roller rotatably mounted upon said shaft, the radius of said roller being equal to the distance between the center line of said shaft and said pivot axis.

2,567,736

QUICKLY ATTACHABLE IMPLEMENT

Walter H. Silver, Moline, Ill., and William V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 16, 1945, Serial No. 578,148
8 Claims. (Cl. 97—47)



8. An implement adapted to be connected with a tractor having a vertically swingable, generally U-shaped bail member, said implement being adapted to be connected to the bail member of said tractor and including a pair of fore and aft extending hook portions, each having vertically spaced sections joined at their forward ends and spaced apart at their rear ends, with the lower section connected with said implement so that said tractor may be backed into the implement and the rear portion of said bail member lowered into a position rearwardly of the open ends of said hook portions, into substantial contact with the lower sections thereof, and then driven forwardly to engage the tractor bail in said hook portions.

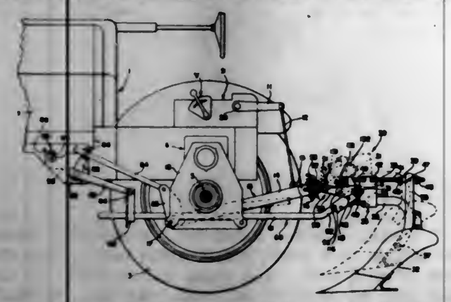
2,567,737

FLEXIBLY CONNECTED TRACTOR-MOUNTED IMPLEMENT

Walter H. Silver, Moline, Ill., and William V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 26, 1946, Serial No. 686,504
8 Claims. (Cl. 97—50)

1. An implement adapted to be mounted on a tractor having a generally vertically swingable

drawbar with a rear transverse section, said implement comprising a generally longitudinally extending beam adapted to extend at its forward end underneath the tractor, a transverse bar, means for fixing the rear end of said beam to the intermediate portion of said transverse bar, and a hitch connection pivotally connected to the transverse bar at opposite sides of the rear end



of said beam for movement relative thereto about a transverse axis, said hitch connection including a pair of laterally spaced forwardly facing socket members adapted to receive laterally spaced portions of the transverse section of the tractor drawbar and means carried by said socket members for holding said hitch connection in operative engagement with the transverse section of said tractor drawbar.

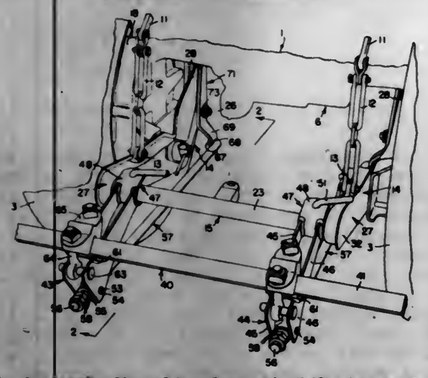
2,567,738

TOOL BAR SUPPORT FOR IMPLEMENTS

Walter H. Silver, Moline, Ill., and William V. Lohrman, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 26, 1949, Serial No. 117,902

6 Claims. (Cl. 97—47)



4. An agricultural implement of the type adapted to be mounted on a tractor having a drawbar bail vertically shiftable at the rear of the tractor and including a rear transverse part, said implement including a transverse tool-receiving bar, a pair of brackets, each having a part-receiving socket facing in a generally fore and aft direction, fixed to said tool bar, means for holding said sockets on the transverse part of said drawbar bail whereby said brackets and said tool-receiving bar may pivot about said part, a pair of link-receiving brackets adapted to be fixed to said side arm portions of the tractor drawbar bail, and a pair of stabilizing links connectible between said tool-bar-receiving brackets and said link-receiving brackets for limiting the pivotal movement of the implement on said drawbar bail.

2,567,739

WOOD PLANE AND DRAWKNIFE

Edwin G. Simon, San Francisco, Calif.

Application April 11, 1947, Serial No. 740,900

5 Claims. (Cl. 30—281)



4. In a tool of the character described, a body having a bottom work-engaging surface, a cutter blade carried by said body in a forwardly and downwardly inclined plane and having a sharpened forward edge at said surface, a pair of arms secured to said body and extending transversely from the opposite sides thereof generally parallel to the forward edge of said blade, and a handle secured to said body and extending rearwardly and upwardly therefrom and terminating in a rearwardly and substantially horizontally extending portion formed for engagement in the palm of the hand of the user for forward displacement of said tool over the work and with the fingers of the hand free to engage said arms for guiding said displacement.

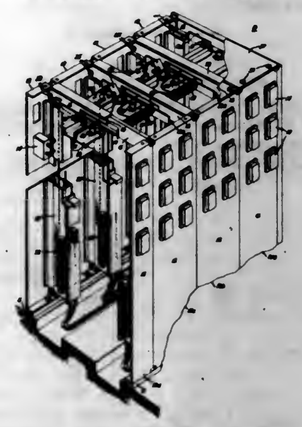
2,567,740

CHANNEL BRACING AND INTERSECTING WIRING TROUGH SYSTEM FOR SWITCHBOARDS

Walter L. Smith, Jr., Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application May 4, 1950, Serial No. 159,925

5 Claims. (Cl. 175—298)



1. A switchboard panel brace comprising an unequal upright leg channel having the wider leg extending endwise beyond the narrower leg at one end for attachment to the switchboard panel so that the narrower leg forms an open-ended and laterally open wiring trough along the bottom of the channel and provided with through wiring cut-outs aligned centrally in the opposite legs of the channel.

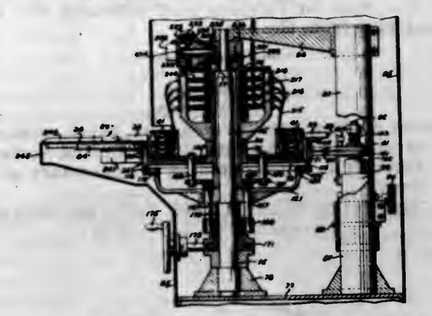
2,567,741

ARTICLE TESTING AND SORTING APPARATUS

Scott V. Smith, Danville, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 20, 1948, Serial No. 45,385

6 Claims. (Cl. 209—81)



1. In an article testing apparatus, a base, a stationary vertical shaft mounted on said base, a turret rotatably supported on said shaft and having a plurality of article holders for receiving articles therein, means for continuously rotating said turret to move the articles carried thereby through a plurality of testing stations, supporting means mounted for rotation with and for vertical movement relative to said turret, fixtures mounted on said supporting means in radial alignment with said article holders, an upper group of electrical contacts on each of said fixtures engageable with terminals on one type of said articles, a lower group of electrical contacts on each of said fixtures in vertical alignment with said upper group of contacts and engageable with terminals of another type of said articles, an annular thrust member mounted for vertical movement on said stationary shaft for rotatably supporting said supporting means, means including a nonrotatable nut mounted coaxially with said shaft for vertical movement relative thereto for supporting said annular thrust member, a threaded sleeve mounted for rotation and against axial movement on said shaft and threadedly engaging said nut, means for rotating said sleeve to effect the vertical adjustment of said fixtures relative to said holders to alternately align the upper and the lower groups of contacts with said holders, a plurality of testing circuits associated with said testing stations, means sequentially connecting said electrical contacts and the articles engaging said contacts to said testing circuits, means for ejecting an article at each testing station, and means under control of said testing circuits for rendering inoperative said means for ejecting said articles.

2,567,742

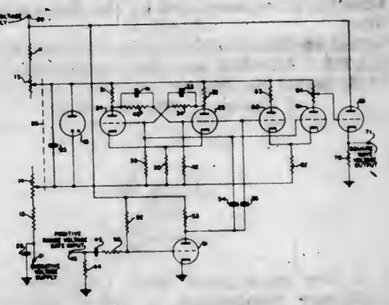
TRIGGERED SQUARE WAVE VOLTAGE GENERATOR

Howard P. Stabler, Williamstown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application September 24, 1946, Serial No. 699,043

7 Claims. (Cl. 250—27)

1. A triggered square wave voltage generator having an output voltage adjustable in maximum and peak to peak values comprising, a first electron tube having at least a cathode, an anode, and control grid, a positive voltage supply, a negative voltage supply, first and second resistors, first and second rheostats, a second electron tube having at least a cathode, and an anode, said second electron tube serving as a voltage regulator and having its cathode connected through said first rheostat and said first resistor to said negative voltage supply and its anode connected through said second rheostat and said second resistor to said positive voltage supply, the contact arms of said first and second rheostats being mechanically coupled so that the voltage from cathode to anode of said second electron tube remains constant despite changes in the absolute voltage of the anode and cathode of said second electron tube due to movement of said contact arms of said first and second rheostats, a third resistor connected between the cathode of said first electron tube and the cathode of said



second electron tube, a potentiometer, the resistance of said potentiometer connected between the anode of said first electron tube and the anode of said second electron tube, a source of positive voltage control pulses, means operated by said positive voltage control pulses to cause said first electron tube to be conducting during alternate positive voltage control pulses and non-conducting during intervening positive voltage control pulses, and means to obtain a voltage output from the contact arm of said potentiometer, said voltage output being a square wave due to the alternate conduction and non-conduction of said first electron tube, the maximum value of said square wave being dependent upon the setting of said first and second rheostats and the peak to peak value being dependent solely upon the setting of said contact arm of said potentiometer.

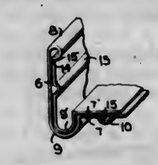
2,567,743

HOLDER FOR SCREEN OR OTHER FABRICS

Roy M. Stafford and Charles J. Doyle, Houston, Tex.; said Stafford assignor to said Doyle

Application May 19, 1948, Serial No. 27,994

4 Claims. (Cl. 160—380)



1. A holder for sheet material such as screen fabric or the like comprising, a frame, including two intersecting legs, one of said legs having a longitudinal outwardly displaced portion and a channel adjacent the point of juncture with said other leg, the other of said legs having its edge flanged, a clamping member to fit in said frame, including two intersecting legs, one of said legs

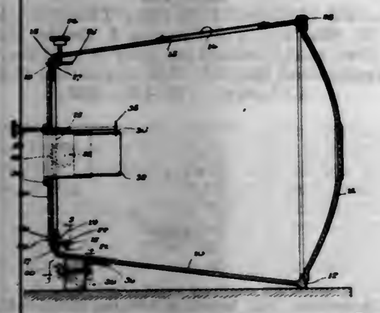
having prongs therein to engage the screen fabric and a channel adjacent the point of juncture with said other leg, said prongs on said leg of the clamping member being arranged to fit in said displaced portion of said leg of the frame, and said channel on said clamping member being arranged to fit in said channel of said frame whereby the screen fabric engaged by said clamping member will be positioned between said clamping member and said frame and the edge of the clamping member underlies said flanged edge.

2,567,744
HIGH-FREQUENCY CURRENT TRANSFORMER
Russell S. Stanton, Louisville, Ky., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Original application November 29, 1945, Serial No. 631,749. Divided and this application May 7, 1948, Serial No. 25,701
4 Claims. (Cl. 175—358)



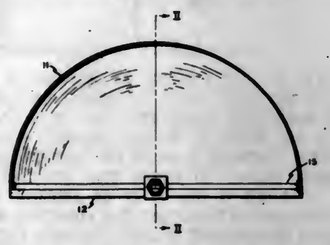
1. A low impedance high frequency current transformer comprising, a non-magnetic, electrically conducting mounting plate formed with tabs thereon, a laminated core formed of stacked annular rings of transformer core material secured to said plate by said tabs, said core being wrapped with insulation about a portion thereof and covered with a sealing material, a single loop of ribbon wire wound around said insulated portion, one end of said loop being electrically connected to said mounting plate, the secondary of said transformer being formed by said wire loop, said plate and core being adapted to receive a lead passing axially therethrough, the primary of said transformer being formed by said lead.

2,567,745
PROJECTION LENS BARREL FOR SCHMIDT LENS SYSTEM
Victor Trad, Deal, N. J.
Application January 17, 1950, Serial No. 138,996
3 Claims. (Cl. 88—57)



1. A projector barrel assembly comprising, a barrel member having an opening at each end thereof, an inwardly turned rim on the front opening thereof, said rim having a plurality of bolt receiving openings therein a spherical mirror carried by the barrel within the rear opening of the said barrel, a correcting lens carried upon the front opening in the barrel, said lens being adapted to receive a light projecting member therein and adjusting means comprising a worm threadably carried by the barrel, a disc centrally mounted upon the end of said worm, and adapted to extend through an opening in the barrel rim adjacent said disc and a slot provided in the rim to receive the periphery of the said disc carried by the said barrel and a telescopic sleeve secured to the lens for focusing and orienting the light projected from the barrel.

2,567,746
ANTENNA
Lester C. Van Atta, Winchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application March 5, 1946, Serial No. 652,190
7 Claims. (Cl. 250—33.65)



1. A radio antenna system comprising a radiating means, a half-paraboloid reflector, a metallic ground plate positioned in a horizontal plane, said half-paraboloid being placed on said ground plate with the axis of the half-paraboloid in said ground plate, said radiating means being mounted upon said ground plate at the focus of said reflector, said antenna system being adapted to direct radiant energy along a divergent path whereby an unsymmetrical radiation pattern is produced.

2,567,747
STABILIZATION OF ENZYME PREPARATIONS
Leo Wallerstein, New York, N. Y., Julius Pfannmuller, North Plainfield, N. J., and Alfons Noe, Staten Island, N. Y., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 18, 1948, Serial No. 15,728
12 Claims. (Cl. 195—63)

1. A stabilized enzymatic composition comprising an amylolytic enzyme and a substance of the group consisting of thioformamide and substitution products thereof in an amount ranging from 0.1% to 1.0% by weight and being effective to stabilize the enzyme.

2,567,748
CONTROL OF WAVE LENGTH IN WAVE GUIDES
Milton G. White, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 2, 1943, Serial No. 504,777
25 Claims. (Cl. 178—44)

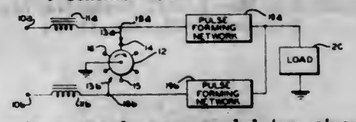
9. Microwave apparatus comprising, a rectangular conducting wave guide having a first major axis extending longitudinally of said guide and a second major axis extending transversely

of said guide along the wider dimension thereof, a plurality of transverse projections extending into said guide from the broad walls thereof, said projections being uniformly spaced along said first major axis, and means for moving one



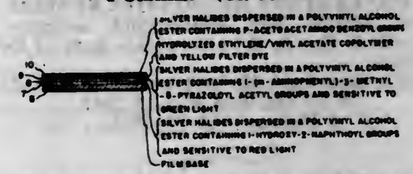
wall of said wave guide relative to a corresponding opposite wall in a direction parallel to one of said major axes, said movement producing variation of the velocity of phase propagation of energy within said guide.

2,567,749
ROTARY GAP MODULATOR
David F. Winter, Cambridge, and Carl A. Carlson, Roxbury, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 29, 1945, Serial No. 631,753
9 Claims. (Cl. 171—97)



9. A rotary spark gap modulator circuit to impulse an ultra-high frequency oscillator comprising a plurality of pulse forming networks, each having energy storing capacity, a source of voltage for charging said networks, connecting leads between said source and each of said networks, the lead to each network including an inductor, a rotary spark gap wheel having a number of contacts equally spaced about its periphery, a plurality of fixed contacts equally spaced electrically within said rotary contact angular spacing, connecting leads between each of said networks to a corresponding fixed contact, an ultra-high frequency oscillator circuit, and means to drive said rotary spark gap wheel in spaced relationship to said fixed contacts to connect by spark discharge each of said networks successively to impulse said oscillator circuit.

2,567,750
LIGHT SENSITIVE ELEMENTS FOR COLOR PHOTOGRAPHY
David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 25, 1945, Serial No. 624,587
4 Claims. (Cl. 95—2)



1. A photographic element comprising a support bearing at least one layer which is essentially composed of a vinyl alcohol polymer which has a plurality of the hydroxyl groups replaced by a radical of the formula

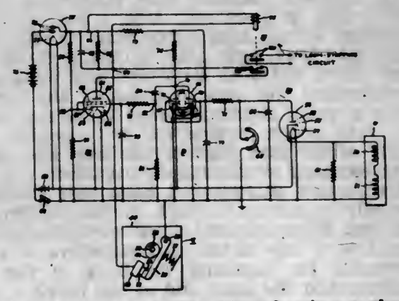
$$-OC-AQ$$
$$\parallel$$
$$O$$

wherein A is a member of the group consisting of a single covalent bond and a bivalent organic radical and Q is a color former nucleus containing as an active group a structure of the formula

$$X-(C=C)_n-C=CH$$

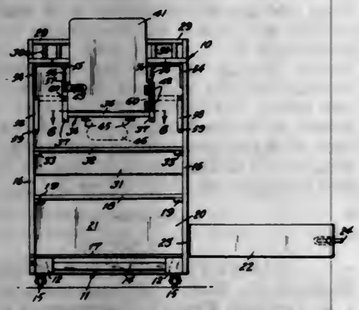
where X is a member of the group consisting of —OH and —NHR, where R is a member taken from the group consisting of H and an aliphatic radical and n is a number taken from the group consisting of 0 and 1 and finely divided silver halide grains which are uniformly dispersed throughout the polymer the color-forming polymer being hydrophilic in character, soluble to the extent of at least 5% by weight in a boiling mixture of water containing not more than 50% by weight of a water-miscible volatile organic solvent and insoluble in water below 30° C.

2,567,751
MAGNETIC SHUTTLE DETECTOR
Richard W. Wolke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 21, 1950, Serial No. 145,337
2 Claims. (Cl. 139—341)



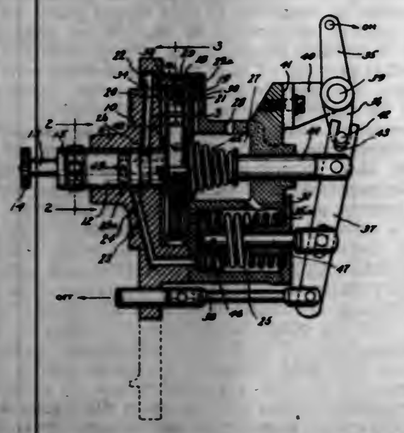
1. For use in a weaving loom having a shuttle and means to move said shuttle from an initial position in a flight toward a final position during each cycle of motion of said loom, said flight normally being at a predetermined velocity, electromagnetic means for providing a signal pulse responsive to passage of said shuttle in the vicinity of a predetermined point in said loom between said initial and final positions, means for providing a secondary pulse of predetermined duration in response to said signal pulse, switching means responsive to motion of said loom, said switching means being closed during a substantial portion of said cycle of motion and open during the remainder of said cycle, opening of said switching means being effected at a predetermined time in said cycle, electromagnetic switching means for effecting stopping of said loom, said stopping being effected in response to deenergization of said electromagnetic switching means, and an electron discharge device having a cathode, an anode and a control electrode, said electron discharge device being rendered conductive in response to impressing of said secondary pulse on said control electrode, said first-mentioned switching means in the closed condition thereof constituting a first means to effect energization of said electromagnetic switching means and said electron discharge device being connected to form a second means to effect said energization when said electron discharge device is conductive, deenergization of said electromagnetic switching means and stopping of said loom being effected in response to opening of said first-mentioned switching device prior to said electron discharge device being rendered conductive in response to said secondary pulse.

2,567,752
COMBINATION ARTICLE OF BABY FURNITURE
Ida E. Adams, Atlantic City, N. J.
Application February 11, 1949, Serial No. 75,844
5 Claims. (Cl. 155—123)



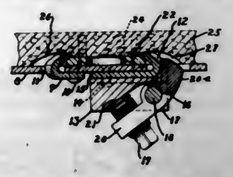
1. A combination article of furniture for infants and young children comprising an upright supporting structure including a tray disposed in an elevated position, said supporting structure having an open rear side, a seat structure supported within said supporting structure beneath said tray, said tray having a notch disposed above the seat structure and adapted to accommodate the upper portion of the body of a baby or small child supported in the seat structure, said notch having an end opening outwardly of the rear edge of the tray and of the open rear side of the supporting structure, said seat structure including a back rest extending upwardly therefrom through the tray notch, said back rest being hinged along one upright edge thereof to a side of the seat structure to swing rearwardly for exposing the back of the seat structure and the open end of the notch.

2,567,753
HYDRAULIC GOVERNOR
Heraclio Alfaro, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application March 5, 1946, Serial No. 652,137
1 Claim. (Cl. 264—19)



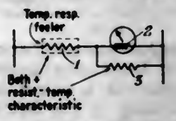
In a hydraulic governor, a bore, a shaft in said bore and adapted to be rotated by the engine with which the governor is employed, a spinner on said shaft, said spinner having radial fluid passage means, a lever for controlling the supply of fuel to the engine, a fluid inlet line connected to said bore, an impact tube tangential to said radial fluid passage means for increasing the pressure of fluid received from said radial fluid passage means whereby pressure of fluid from said radial passage means will actuate said spinner and shaft in a direction along the axis of said shaft and means connected to said control lever and resiliently urging said spinner against the action of fluid from said radial passage means, a compensating lever connected to said lever for controlling the supply of fuel to the engine and a servomotor operatively connected to said compensating lever, a fluid passageway connecting said bore and servomotor, said servomotor being actuated by fluid from said pressure inlet line and adapted to automatically control said compensating lever and thereby adjust the supply of fuel to the engine, and a second control lever for manually presetting the supply of fuel to the engine.

2,567,754
FASTENING MEANS FOR SHOE SKATES
Gustav A. Almorth, Glastonbury, Conn.
Application May 6, 1947, Serial No. 746,233
7 Claims. (Cl. 280—11.32)



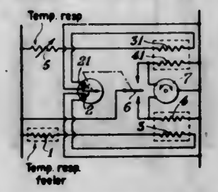
1. In a fastening device for fastening a skate having a supporting plate to a shoe, wherein a keeper disk is set into the bottom of the sole and heel of the shoe and wherein the bottoms of the sole and heel are notched at diametrically opposite sides of the keeper disks to provide clearance for clamping members of the fastening device; said device including a stationary clamping member projecting upwardly through an opening in said plate, a movable clamping member also projecting upwardly through an opening in said plate, both of said clamping members being engageable with marginal edges of the keeper disk at said notched portions, a bracket secured to the underside of said plate and slidably supporting said movable clamping member, a rocker lever pivotally carried by said bracket, and a screw through said lever for forcing the movable clamping member into clamping position.

2,567,755
TEMPERATURE RESPONSIVE SYSTEM
Robert Amsler, Zug, Switzerland, assignor to Landis & Gyr A. G., a corporate body of Switzerland
Application April 28, 1944, Serial No. 533,122
In Switzerland May 17, 1943
6 Claims. (Cl. 73—362)



1. A temperature responsive system comprising a temperature responsive feeler resistor exposed to a temperature to be measured or controlled and a current responsive device having an operating coil, said coil and feeler resistor being connected in series across a substantially constant source of potential, said device having an element movable in response to coil current, one additional temperature responsive resistor connected across said coil, said two resistors having positive temperature-resistance coefficients, said feeler resistor being the only resistor subject to temperature to be measured or controlled with the additional resistor not being subject to the temperature being measured or controlled whereby when said feeler resistor changes its resistance in response to a temperature change, the distribution of currents through the additional resistor and coil are varied in an amplified manner and the movable element has a greater movement for a predetermined feeler temperature change in said system than in a system not having the additional resistor.

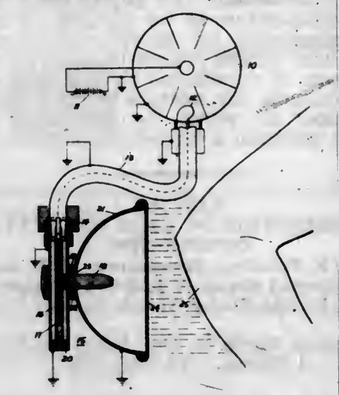
2,567,756
TEMPERATURE RESPONSIVE SYSTEM
Robert Amsler, Zug, Switzerland, assignor to Landis & Gyr, A. G., a body corporate of Switzerland
Original application April 28, 1944, Serial No. 533,122. Divided and this application February 10, 1951, Serial No. 210,362. In Switzerland May 17, 1943
5 Claims. (Cl. 73—362)



1. A temperature responsive system comprising a temperature responsive feeler resistor exposed to a temperature to be measured or controlled, a current responsive device having an operating coil, an additional temperature responsive resistor, means for connecting said two resistors and coil in series across a substantially constant source of potential, said feeler resistor and additional resistor having respectively positive and negative temperature coefficients, said feeler resistor being the only resistor subject to temperature to be measured or controlled with the additional resistor not being subject to the temperature being measured or controlled and said two temperature coefficients having such relative magnitudes that under operating conditions the percentage change of feeler resistance for a given change of feeler temperature is greater than the resulting percentage change of resistance of said additional resistor whereby when said feeler resistor changes its resistance in response to a temperature change, the current through the additional resistor and coil is varied in an amplified manner and the movable element has a greater movement for a predetermined feeler temperature change in said system than in a system not having the additional resistor.

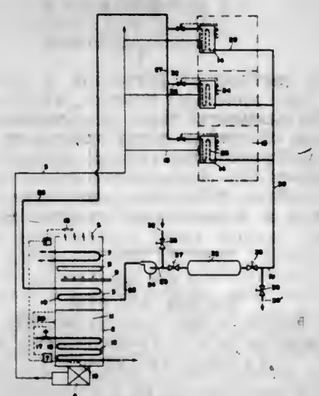
2,567,757
THERAPEUTIC DEVICE
Henry F. Argento, Newtonville, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 26, 1947, Serial No. 730,926
2 Claims. (Cl. 128—404)

1. Therapeutic apparatus comprising a source of electrical oscillations having a frequency within the microwave spectrum, and means connected to said source and resonant to the frequency of said source for radiating said oscillations in a predetermined direction, said means for radiating having a total impedance such as



to produce a no-load standing wave ratio within the range of 1.2 to 1 and 1.6 to 1, said means for radiating further having a band width of frequency response of not less than 10 megacycles per second.

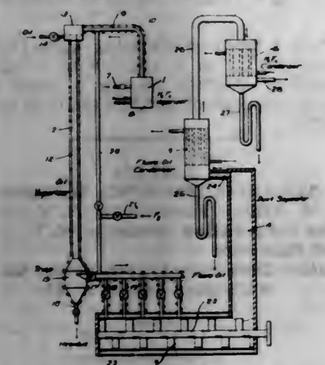
2,567,758
AIR-CONDITIONING METHOD
Carlyle M. Ashley, Fayetteville, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application December 1, 1945, Serial No. 632,151
8 Claims. (Cl. 257—3)



1. In the method of air conditioning a building structure containing a plurality of enclosed areas, the steps which comprise supplying a quantity of air sufficient for ventilation requirements of the enclosed areas, conditioning air to control its moisture content while varying its sensible heat in accordance with the temperature exteriorly of the building to compensate for transmission gains or losses throughout the enclosed areas, supplying the conditioned air at high static pressure to conditioning units disposed in the enclosed areas, discharging the conditioned air at high velocity within each unit to induce a substantial flow of secondary air within the unit from the enclosed area in which it is disposed, supplying a quantity of conditioning medium at a temperature within the range of 45° F. to 70° F. and selected without regard

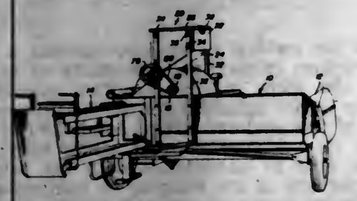
to the exterior temperature to a heat exchanger disposed in each unit, governing the temperature of the induced air in each unit by passing at least a portion thereof over the heat exchanger, individually and automaticaly adjusting the temperature of the induced air in each unit to compensate for the effect of the variable sensible heat factors present in the area, mixing the streams of conditioned air and induced air, and discharging the mixture of conditioned air and induced air within the area to be conditioned to maintain a desired temperature therein.

2,567,759
FLUORINATION OF HIGH MOLECULAR COMPOUNDS
Anthony F. Benning, Woodstown, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 17, 1945, Serial No. 583,276
4 Claims. (Cl. 260—653)



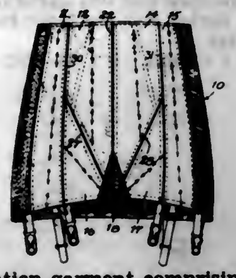
1. The method of preparing a highly fluorinated high molecular product, which comprises passing a mixture of vapor of a high-boiling hydrocarbon oil and a larger volume of vapor of hydrogen fluoride into contact with a fluorinating agent of the group consisting of cobalt trifluoride, silver difluoride, and manganese trifluoride at a temperature between 150° C. and 400° C.

2,567,760
BALER SALTER
Archie L. Boughan, Taylor, Mo.
Application July 27, 1948, Serial No. 40,950
1 Claim. (Cl. 99—235)



In combination with a hay baler including a driven shaft and a pulley thereon, an attachment for delivering salt to the hay during the baling of the latter comprising a hopper having a sloping bottom wall, means adjacent said wall for restricting passage of salt through said hopper, an outlet conduit at the bottom of said hopper, means for adjusting the opening of said outlet conduit, a rotatable shaft below said restricting means and immediately adjacent said outlet conduit, impeller blades carried by said shaft, and means drivingly interconnecting the pulley on the driven shaft and said rotatable shaft, said restricting means including a partition extending through said hopper having a transversely extending slot immediately adjacent said sloping bottom wall, said shaft and impeller blades being disposed vertically beneath the unslotted portion of said partition, said adjusting means including longitudinally extending slots in a side wall of said hopper, a transverse plate overlying the opening of said outlet conduit having depending lugs extending through said slots, and means for retaining said lugs in said slots at different levels.

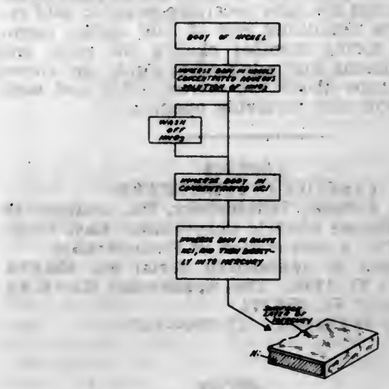
2,567,761
FOUNDATION GARMENT
Minnie W. Brauss, Bloomfield, N. J., assignor to Corsetry, Inc., Derby, Conn., a corporation of Connecticut
Application March 26, 1949, Serial No. 83,657
2 Claims. (Cl. 2—37)



1. A foundation garment comprising an upper front central portion most elastic in the vertical direction, a lower front central bias cut portion secured to the outermost lower edge of said upper front central portion along the direction of a line which extends from the crotch of the wearer to the crest of the hip of the wearer and the direction of elasticity of said bias cut portion being substantially along the direction of a line which extends from the crotch of the wearer to the crest of the hip of the wearer; said first mentioned portion and said bias cut portion having joining edges and said joining edges of said first-mentioned portion and said bias cut portion being concave with respect to each other prior to their being joined together whereby when joined together the panels will be pre-stretched and will accentuate the inward and upward force applied by the garment to the abdomen of the wearer, said upper front central portion comprising two panels joined together along the vertical front center line of the garment, the adjacent edges of said panels prior to their being joined together being concave with respect to one another whereby when joined together the panels will be pre-stretched and will accentuate the inward force exerted on the abdomen of the wearer.

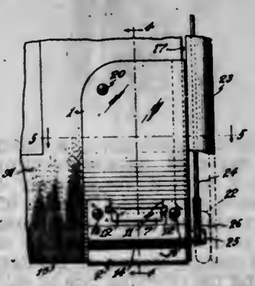
2,567,762
METHOD OF COATING NICKEL WITH MERCURY
Theodore M. Burkholder, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 7, 1947, Serial No. 733,002
7 Claims. (Cl. 117—51)

1. The process for coating a nickel body with a surface layer of mercury which comprises etching the surface of said body with nitric acid, then immersing said body in a bath of an acid selected from the group consisting of acetic,



hydrochloric and sulphuric acids, the acid of said bath resting upon a layer of mercury, and then immersing said body in said mercury immediately from said acid.

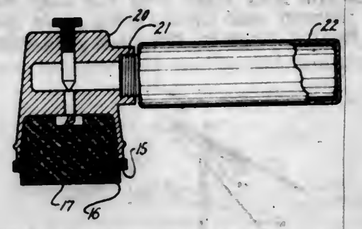
2,567,763
BRACKET FOR MOUNTING ROLLERS ON OVERHEAD DOORS
Henry B. Clark, Elizabeth, N. J.
Application November 2, 1948, Serial No. 57,991
5 Claims. (Cl. 16—97)



1. A bracket for mounting a roller on the lower panel section of an overhead door, said bracket comprising an upper plate and a lower plate, means for securing said plates on the face of such a panel section, the upper plate being formed for connection to an element for attachment of one end of a cable to the panel section, and the lower plate having an integral bearing member for the axle of a roller, said upper plate having a portion overlapping the lower plate for transmitting strains imposed on the lower plate to the upper plate.

2,567,764
APPLICATOR HEAD FOR FOUNTAIN BRUSHES
Arthur B. Davies, Pittsburgh, Pa.
Application April 10, 1947, Serial No. 740,526
2 Claims. (Cl. 15—114)

2. An applicator head for fountain cleaning devices having a receptacle with a threaded inner wall which consists of a threaded ferrule for interacting with the threads of the receptacle, an annulus having bristles extending outwardly therefrom and secured in said ferrule, and a sponge rubber mass filling said annulus and extending outwardly to the end of said bristles



and inwardly beyond said ferrule to completely fill the receptacle.

2,567,765
METHOD OF AND APPARATUS FOR EFFECTING THERMAL DIFFUSION
Peter J. W. Debye, Ithaca, N. Y.
Application April 17, 1946, Serial No. 662,909
8 Claims. (Cl. 210—52.5)

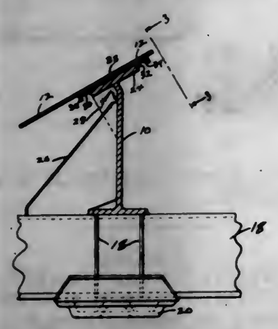


1. The method of concentrating solutions of organic compounds having molecular weights of at least 15,000 to 20,000 which comprises maintaining a vertical column of such solution in liquid state between spaced surfaces, the separation of said surfaces being from ½ to 8 mm., the height of said column being greater than the distance of separation of said surfaces, said column communicating with reservoirs at its top and bottom, and maintaining said surfaces at different temperatures whereby a temperature gradient is established in said column of solution transversely thereof and the solute concentration of the solution in the bottom reservoir is increased and that of the solution in the top reservoir is decreased.

2,567,766
HOPPER OR SIMILAR CAR CONSTRUCTION
William F. Dietrichson, Garden City, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1948, Serial No. 41,532
2 Claims. (Cl. 105—249)

1. In a hopper car having a bolster and a floor sheet extending thereover, a spring metal bearing plate interposed between and rigidly secured intermediate its side portions to the top of said bolster and to said floor sheet, the side portions of said spring metal plate extending beyond the sides of the top of the bolster in overhanging relation thereto and in underlying

bearing relation with said floor sheet whereby to resiliently cushion shearing stresses imposed against the floor sheet over the area where it bears thereon, said overhanging plate side portions having rounded marginal side edge portions providing increased resilient bearing surfaces for the normally unsupported floor sheet in the region adjacent thereto when deflected under shearing stresses thereby relieving concentration of such stresses against said region of the floor sheet.

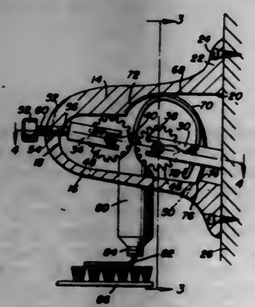


2,567,767

DISPENSER FOR COLLAPSIBLE TUBES

Henry A. Ditmanson, Klamath Falls, Oreg., assignor of fifty per cent to Leo C. Sheppler, Klamath Falls, Oreg.

Application December 19, 1947, Serial No. 792,755
3 Claims. (Cl. 222—102)



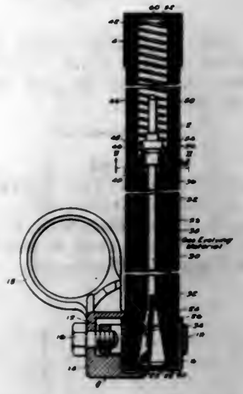
1. A dispenser for collapsible tubes comprising a housing open at one end and having a lower wall, an attaching flange carried by the open end of said housing, a tube receiving opening provided in the lower wall of said housing, a slidable roller support mounted with said housing, a driven shaft journaled for rotation on said support, a toothed driven roller fixed on said driven shaft, a further support slidably mounted with said housing, a drive shaft journaled for rotation on said further support, a toothed drive roller fixed on said drive shaft and opposing said driven roller, means for selectively adjusting said drive roller relative to said driven roller, said slidable roller support including a substantially U-shaped member having spaced leg portions and a web portion joining said leg portions, opposed longitudinal recesses provided in the inner walls of said housing slidably receiving the leg portions of said U-shaped member, an arcuate spring member mounted in said housing and loosely embracing the driven roller, said housing including an upper wall, a transverse recess provided in the inner face of the upper wall above the driving roller and receiving one end of said spring member, and a further transverse recess provided in the inner face of said lower wall adjacent the tube receiving opening and receiving the remaining end of said spring member, said spring member closing the open end of said housing and adapted to guide the closed end of a tube about the driven roller and back through the tube receiving opening.

2,567,768

CIRCUIT INTERRUPTER

Harold H. Fahnoe, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Continuation of application Serial No. 432,576, February 27, 1942. This application March 15, 1946, Serial No. 654,571
16 Claims. (Cl. 200—120)



1. In a circuit interrupter, a tubular casing of insulating material having terminals adjacent opposite ends thereof, respectively, tubular conducting means connected to each of said terminals and extending from each terminal toward the other, said conducting means being located within said casing, means of insulating material in said casing for covering one of said conducting means, and the other of said conducting means being exposed to the interior of said casing, and circuit interrupting means concentric with said conducting means and connected between said other conducting means at a point adjacent the inner end thereof and the terminal associated with said one conducting means.

2,567,769

ALKALINE EARTH OXYSULFIDE PHOSPHOR

Richard Beaumont Head, Hove, England, assignor to Cinema-Television Limited, London, England, a corporation of England

No Drawing. Application February 19, 1948, Serial No. 9,635. In Great Britain February 20, 1947
10 Claims. (Cl. 252—301.4)
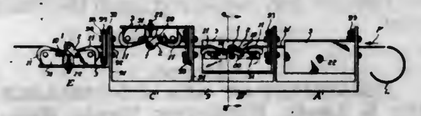
1. A material luminescent to cathode rays comprising an oxysulphide of an alkaline earth metal activated by a rare earth compound selected from the group consisting of cerium compounds, yttrium compounds, thorium compounds and dysprosium compounds in a proportion so as to give a concentration of rare earth in the material of between 0.05% and 0.5% by weight.

2,567,770

WIRE STRAIGHTENER

Richard D. Heller, Tujunga, Calif.

Application September 7, 1946, Serial No. 695,497
30 Claims. (Cl. 140—148)



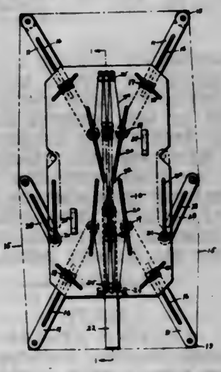
1. The method of straightening coiled wire which comprises advancing the wire strand through a path which is centered upon the strand's axis, guiding the strand at spaced points along its path and in its axis, deflecting the strand, intermediate adjacent guide points, from such axis and back to the same, two of such deflections being opposite to the strand's initial set but in planes generally equiangularly disposed at opposite sides of the coil plane, meanwhile restraining the wire strand against rotation about its axis.

2,567,771

WINDOW OPENING GAUGE

Fraser A. Hurd, Liverpool, N. Y.

Application January 8, 1947, Serial No. 720,705
3 Claims. (Cl. 33—194)



2. A window opening gauge comprising a rectangular plate, the central portion of said plate being formed with a plurality of slots extending substantially lengthwise of the plate, each corner portion of said plate being formed with a slot extending transversely across the corner portion of the plate and in angular relation to said first mentioned slots, an arm positioned to extend substantially diagonally outwardly from each corner portion of the plate, each of said arms being formed with a slot arranged intermediate its ends and extending lengthwise thereof, a clamping member extending through the slot in each of said arms and through the complemental corner slot in said plate, and a clamping member carried by the inner end of each of said arms and being slidably arranged in one of said lengthwise extending slots.

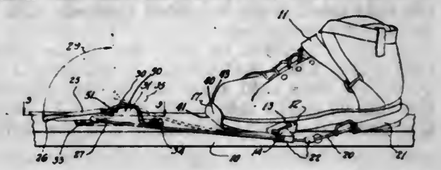
2,567,772

ADJUSTABLE CABLE FASTENER FOR SKI BINDING

Howard Jansen, Chicago, Ill.

Application September 13, 1946, Serial No. 696,753
4 Claims. (Cl. 280—11.35)

1. In a shoe clamping device, an over-center pivotal lever for tensioning shoe engaging means, a channel shaped member having upstanding flanges and a series of notches in said flanges for pivotally mounting said lever in different positions to clamp shoes of different sizes, an elongated resilient guard extending sufficiently closely over said notches and the pivotal mounting of said lever to hold said lever releasably in any selected notch against casual displacement, and means for securing the ends of said guard to said channel member beyond the ends of said series of notches to provide flexibility in the portion of said guard over said notches for shifting said lever from one notch to another.

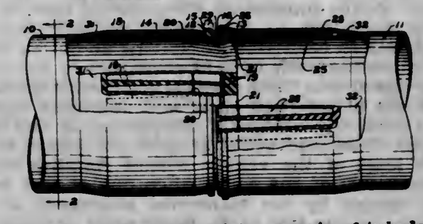


2,567,773

HOSE COUPLING

Carroll P. Krupp, Barberton, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application December 18, 1947, Serial No. 792,531
15 Claims. (Cl. 285—71)



1. A hose coupling comprising a pair of tubular coupling members a member of which pair being a resilient flexible rubber-like material and being distortable by inwardly directed pressure applied locally of its circumference to permit entry into the bore of the other, said coupling members each having a radial shoulder for interlockingly engaging the other, the shoulder of the distortable member being outwardly directed and the shoulder of the other member being inwardly directed, and means in said distortable member comprising relatively stiff elements secured to said rubber-like material and extending into the shoulder thereof in circumferentially spaced relation one to another for stiffening it against axial displacement when engaged with the shoulder of the other member while distortability of the shoulder region of the member is maintained by virtue of the circumferentially spaced relation of said elements.

2,567,774

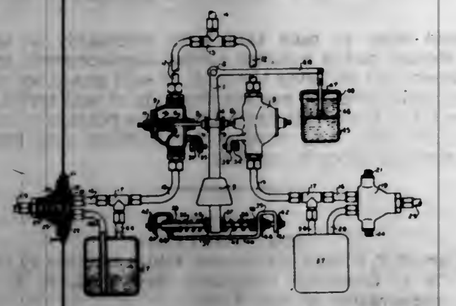
VEHICLE WHEEL LUBRICATING APPARATUS

Camille Clare Sprankling Le Clair, Acton, London, England, assignor to Tecalemit Limited, Brentford, England, a corporation of Great Britain

Application January 30, 1946, Serial No. 644,251
In Great Britain March 20, 1945
11 Claims. (Cl. 184—3)

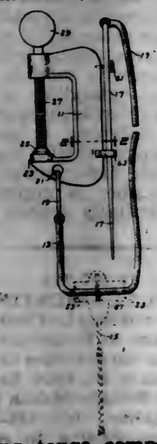
1. Apparatus responsive to centrifugal force acting on a vehicle rounding a curve and for supplying lubricant to the flanged wheels of the vehicle which runs on rails, comprising a mass, means for mounting said mass on the vehicle for movement from an inoperative position transversely of

the vehicle, a source of lubricant, a source of compressed air, said sources being mounted on said vehicle, two valve casings mounted on said vehicle, each of said valve casings having an air inlet and an air outlet, a normally closed valve in each of said casings between said inlet and said outlet, said mass being mounted between said valve casings for movement from its inoperative position into a position to open one or the other of said valves when said vehicle is rounding a curve at which time said mass moves transversely of the vehicle to one side or the other of its inoperative position under the influence of the centrifu-



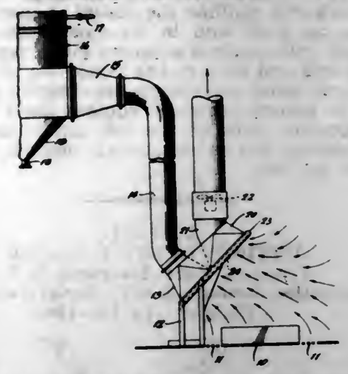
gal force, means connecting the inlet of each of said valve casings to said source of compressed air, means connecting the outlet of each of said valve casings to said source of lubricant, two atomizers, each atomizer having an outlet, means connecting each of said atomizers to the outlet of one of said valve casings, and means connected to the outlet from each said atomizers adapted to direct the mixture of compressed air and lubricant from said atomizer onto the flange of one at least of the vehicle wheels running on the outer rail of the curve when one of said valves is opened by the transverse movement of said mass to one side of its inoperative position.

2,567,775
FISH STRINGER APPARATUS
Minton R. Leree, Mount Morris, Mich.
Application May 11, 1949, Serial No. 92,547
5 Claims. (Cl. 224—7)



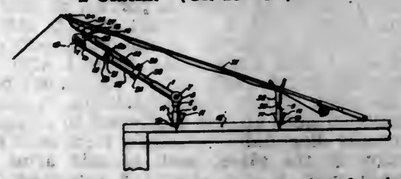
2. Fish holding tongs comprising, a pair of pivotally joined jaws having cooperative ends pointed and conformed for cooperatively piercing and holding a fish when closed, said jaws having oppositely disposed locking ends conformed to receive a flexible cable or member in a threaded relation for holding the tongs closed, one of said locking ends being twisted at right angles to the plane of the jaw and slotted to receive the locking end from the other jaw member, and said latter locking end being apertured and conformed to pass through said slotted end when the tongs are closed.

2,567,776
TREATMENT OF GAS AND THE LIKE
Alvin S. Lundy, Huntington Woods, Mich., assignor to Claude B. Schneible, Detroit, Mich.
Application November 22, 1947, Serial No. 787,584
4 Claims. (Cl. 98—115)



1. In apparatus for treating a column of particle-laden gas rising from a grate structure, a support at one side of said grate, and a pair of pipes carried by said support and having enlarged inlets facing said column of gas, said inlets being arranged in an inclined plane and with one of the inlets extending above and inwardly of the other inlet whereby the upper inlet enters partially into the rising column of gas but terminates short of the center of said column, and means for placing said pipes under suction.

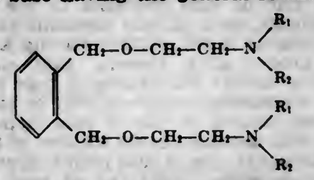
2,567,777
FISHING SIGNAL
Joseph Massino, Berwick, Pa.
Application July 19, 1946, Serial No. 684,926
1 Claim. (Cl. 43—17)



A fishing signal comprising a casing having a battery therein and a light bulb, a contact operatively connected to said light bulb and extending laterally through said casing, a ferrule carried by said casing and adapted to receive a dowel pin for supporting said casing on a pier, a flexible elongated metallic switch arm extending longitudinally of said casing and overlying said contact, means adjustably clamping one end of said switch arm on said ferrule, a Y-crotch carried at the other end of said switch arm and adapted to guidingly receive and support a fishing pole, laterally extending spaced wings carried by said casing adjacent said contact and guidingly receiving said switch arm, and screw means carried by said ferrule for adjusting said switch arm towards and away from said contact.

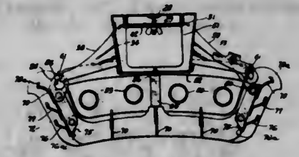
2,567,778
BASIC ETHERS OF XYLENOLS
Albert M. Mattocks, Cleveland, Ohio, assignor to Bristol Laboratories, Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application March 31, 1949, Serial No. 84,729
6 Claims. (Cl. 260—247.7)

1. A compound of the class consisting of the bis form of the free base and its acid addition salts, said free base having the general formula



wherein R_1 and R_2 are selected from the class consisting of alkyl having 1 to 2 carbon atoms inclusive, and where taken together with the nitrogen atom are morpholino and piperidino.

2,567,779
LIGHTING FIXTURE FOR ELONGATED TUBULAR LAMPS
Bernard A. Mitchell, Chicago, Ill.
Application June 17, 1948, Serial No. 33,622
2 Claims. (Cl. 240—51.11)



1. In a lighting fixture for tubular lamps, the combination of a pair of elongated mounting plates adapted for independent mounting in longitudinal alinement, at least one bolt depending from each of said mounting plates, a locking strap swivelly supported on each of said bolts, a pair of inverted channel shaped sections each having a length substantially one-half the length of the tubular lamps, each of said channel shaped sections having at least one elongated opening in the top wall thereof through which a bolt and strap may be passed and said strap rotated substantially 90° to secure said sections to respective mounting plates, said sections being relatively adjustable longitudinally, a coupling member formed complemental to said sections for connecting said sections together to form a continuous member, and a lamp socket secured to each of the free ends of said channel shaped sections, the said lamp sockets being spaced to receive a lamp having a length substantially twice the length of each of said sections.

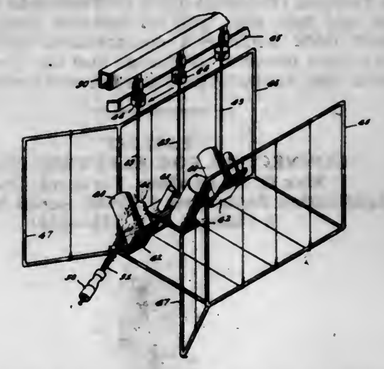
2,567,780
HURRICANE LAMP ADAPTER FOR CANDLESTICKS
William P. Oppelt, Meriden, Conn., assignor to The International Silver Company, Meriden, Conn., a corporation of Connecticut
Application October 14, 1950, Serial No. 190,159
1 Claim. (Cl. 240—13)

An adapter for candlesticks providing a socket to hold a candle and a holder for supporting a hurricane lamp chimney having a cylindrical base portion and a chimney portion with an outwardly flared bulge joined to said base, said adapter comprising a cylindrical socket for the base of the adapter and having threads in the wall thereof for engagement in a threaded candlestick opening and for gripping the base of a candle inserted in said socket, an annular cupped flange outwardly and upwardly flared from the top edge of said socket to provide the base portion of a chimney holder, a cylindrical chimney holder portion extending upwardly from the flange and having a diameter of greater dimension than said socket, said holder portion being disposed concentrically of said socket and having in the lower section thereof adjacent the flange a series of vents to admit air to the base of a chimney in the holder, an imperforate lower



ring section above said vents and an imperforate upper ring section spaced upwardly therefrom, a resilient girdle section joining said rings, said ring sections being in substantially the same plane, with said girdle section having inwardly arched slatted ribs deformed from and connecting said rings, the central mid portions of said ribs being enlarged and forming a cylindrical girdle inwardly of the plane of the rings for providing resilient gripping pressure against the base of a lamp chimney inserted therein, the top peripheral edge of said upper ring section being adapted to provide a seat for the flared portion of said chimney with the lower edge of the base of said chimney resting adjacent said air vents of the adapter.

2,567,781
METHOD FOR COATING ARTICLES
Harold P. Ransburg, Indianapolis, Ind., assignor, by direct and mesne assignments, to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application April 23, 1945, Serial No. 589,719
1 Claim. (Cl. 117—93)



A process of electrostatically coating articles having re-entrant surface portions, comprising passing the articles in a series over a predetermined path through a coating zone, maintaining over the surfaces of articles in the coating zone an electrostatic field having an extended region of relatively high intensity and a second region of relatively low intensity, forming a jet of par-

ticled coating material, directing said jet in fixed relation to the article-path to impinge on the re-entrant surface portion of each article while the article is in the field-region of low intensity, and creating a current of air flowing through the coating zone from the field-region of low intensity to and through the region of high field-intensity, whereby particles of coating material not deposited on said article under the joint effect of their momentum and the low-intensity field will be carried by said air stream into the high-intensity field region for deposit there on the surfaces of other articles of the series.

2,567,782
GRINDING, POLISHING, AND FEATHER-EDGING TOOL
Carm P. Rheos, Staten Island, N. Y.
Application September 19, 1949, Serial No. 116,438
3 Claims. (Cl. 51—197)



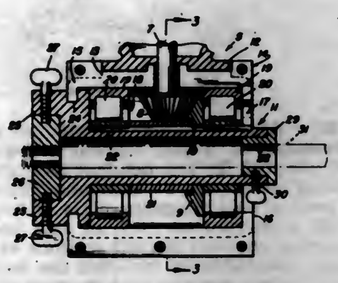
1. A feather-edging, grinding and polishing tool of the character described, having a disc holder and a disc removably mounted on said disc holder, said disc holder having an enlarged annular end portion, a reduced neck behind said end portion which carries the disc—said reduced neck being circular in cross section—to provide a yielding frictional drive between said disc holder and said disc, and an annular flange behind said neck portion, a compression spring being provided between the flange and the disc to press said disc against the enlarged end portion.

2,567,783
CONNECTOR FOR ELECTRIC CORDS
Max C. Richardson, Portland, Oreg.
Application September 21, 1948, Serial No. 50,403
6 Claims. (Cl. 173—340)



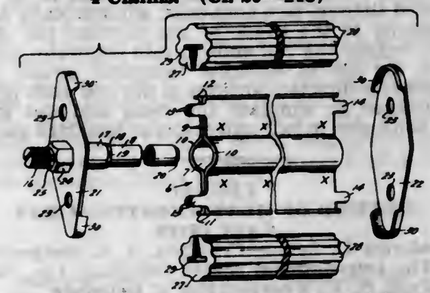
1. In combination with a pair of insulated two conductor electric cords of the type in which the conductors of each cord are parallel and insulated from each other, said cords being positioned with one of said cords laid with one of its flat sides against one of the flat sides of the other of said cords and at an angle thereto, means for holding said cords in their said adjacent and crossed positions, means for electrically connecting one of said conductors of one of said cords to one of said conductors of the other of said cords and for electrically connecting the other of said conductors of said one of said cords to the other of said conductors of the other of said cords, said holding means comprising a pair of insulating elements and means for securing one of said elements to the other of said elements, each of said elements comprising means forming a flat surface having a cord receiving groove sunk therein, said electrically connecting means comprising a pair of double pointed conducting members, one of said members being secured in one of said elements, the other of said members being secured in the other of said elements, one of said points of one of said members emerging from one of said elements within its said groove, the other of said points emerging from said one of said elements through its said flat surface.

2,567,784
PIPE THREADING MACHINE
Allen T. Ridgeway, Yakima, Wash., assignor of one-fourth to Edward H. O'Boyle and one-fourth to John Ballack, both of Walla Walla, Wash., and one-fourth to Harold R. Pinkerton, Seattle, Wash.
Application December 2, 1947, Serial No. 789,166
3 Claims. (Cl. 10—89)



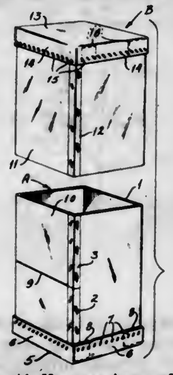
1. A portable pipe threading machine of the type shown and described comprising a cylindrical open ended gear casing having radially inturned flanges at its opposite open ends, spaced bearing assemblies mounted in said gear casing, one bearing assembly contacting an adjacent inturned flange, a rotary cutter head unit including a head portion having a peripheral groove and recessed to accommodate interchangeable pipe threading dies, the remaining inturned flange projecting into the peripheral groove to assemble said cutter head in place, one of said bearing assemblies being in contact with said head, the latter including an adapter barrel for the pipe which is to be threaded, said barrel being mounted for rotation in said bearing assemblies, a beveled ring gear anchored on said adapter and in contact with an adjacent bearing assembly, a spacing sleeve surrounding said adapter barrel and interposed between the ring gear and the bearing assembly which is in contact with said head, a motor including a handle and a housing, said motor housing being secured to said casing and said motor being provided with a power transmission shaft and said shaft projecting into said casing and having a pinion in operating mesh with said ring gear.

2,567,785
PEDAL FOR BICYCLES OR THE LIKE
Nelson M. Rieger, Germantown, Ohio, assignor to The Rieger Manufacturing Company, Miamisburg, Ohio, a corporation of Ohio
Application January 9, 1948, Serial No. 1,402
4 Claims. (Cl. 29—148)



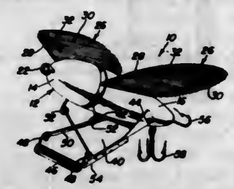
1. A method of producing a pedal which comprises forming in each of two plates a groove extending for the full length thereof and having end portions substantially semi-cylindrical in cross section, rigidly securing said plates one to the other with said grooves in opposed relation to form between said plates a longitudinal opening having cylindrical end portions, pressing a cylindrical bearing sleeve tightly into said opening to a position adjacent one end thereof and wholly within said opening, rotatably mounting a second cylindrical bearing sleeve on one end portion of an elongate supporting member having cylindrical end portions, inserting the other end of said supporting member through that end of said opening which is remote from the first mentioned bearing and into said first mentioned bearing, pressing said second bearing into the last mentioned end portion of said opening and securing said supporting member against substantial axial movement in said bearings.

2,567,786
TELESCOPIC SHIPPING CARTON
Leon J. Rosenberg, Atlanta, Ga., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application October 17, 1947, Serial No. 780,527
2 Claims. (Cl. 229—23)



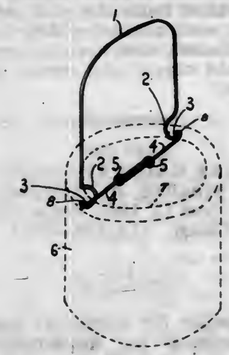
1. A substantially rectangularly shaped tall heavy duty shipping carton consisting only of inner and outer similarly formed snugly telescoping rectangularly shaped one-piece sections, each section having interconnected oppositely disposed walls and right angular corners, the inner section being of greater length than the outer section, one corner of the inner section being vertically slit to substantially intermediate the ends thereof and there being a horizontal slit connecting with the vertical slit and extending entirely across one of the walls to an adjacent corner, thus with the last mentioned corner providing a vertically hinged door which when open exposes an unobstructed opening the width of the last mentioned wall, each section having a similar integral flanged cap on one end thereof with the flange paralleling, contacting, and permanently secured to exterior end portions of the opposed walls, the flanges of the inner section defining an upwardly facing marginal seat surrounding the same adjacent one end thereof, each section having a free and open end edge, the outer section when telescoped on the inner section having its end edge in engagement with the marginal seat on the inner section and with the free end of the inner section disposed in engagement with interior portions of the cap on the outer section, and the difference of the greater length of the inner section relative to the outer section being equal to the width of the flange adjacent the end of the inner section.

2,567,787
FISH LURE
John A. Sahutski, Wilkes-Barre, Pa.
Application February 6, 1950, Serial No. 142,629
4 Claims. (Cl. 43—26.2)



1. In a fish lure, the combination of an elongated body, a pair of upwardly and downwardly swingable wings pivoted to said body and extending to opposite sides thereof, an elongated water scoop extending longitudinally under said body and pivoted at its rear end to the body for upward and downward swinging movement, and means operatively connecting said wings to the forward end of said scoop.

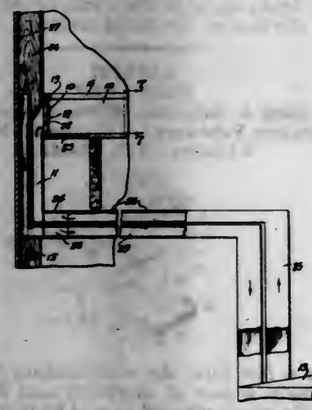
2,567,788
ADJUSTABLE HANDLE FOR ATTACHMENT TO CANS
Peter Livingstone Salmon, Glasgow, Scotland
Application July 28, 1948, Serial No. 41,023
In Great Britain July 30, 1947
2 Claims. (Cl. 224—45)



1. An adjustable handle for attachment to cans consisting of a length of flexible wire bent to a

figure of approximately the shape of the letter D including a continuous curved bail portion, the wire at each corner of the figure being bent substantially in the plane of the figure first inwardly and then outwardly and upwardly to present at each said corner a hook having a bight facing outwardly from the figure, the end portions of the length of wire being bent downwardly and inwardly from the hooks and being laid alongside one another to form the straight part of the figure and being interengaged to maintain said portions in parallelism.

2,567,789
HOLLOW BASEBOARD HEATING AND AIR CONDITIONING
Fred A. Sawyer, Uniontown, Pa.
Application July 6, 1948, Serial No. 37,167
1 Claim. (Cl. 98—33)



In a heat circulating unit, the combination which comprises a hollow base board having front and rear walls connected at the lower ends with a base and having a cover with outlet openings therein, said rear wall having spaced inlet openings therein, longitudinally disposed distributing baffles of varying lengths positioned in the base board and centered on the said inlet openings of the rear wall thereof, the length of said baffles being reduced from a lower baffle upwardly, a supply header positioned below the said base board, connecting ducts extended from the said supply header to the inlet openings in the rear wall of the base board, a return header positioned below the said supply header, return ducts adapted to extend from the said return header to points in a wall against which the said base board is positioned, and branch ducts for connecting the said supply and return headers to a heat exchanger.

2,567,790
MINIATURE RAILWAY CONNECTOR
Stephan Schaffan, Jr., Irvington, N. J.
Application June 15, 1946, Serial No. 676,983
1 Claim. (Cl. 238—265)

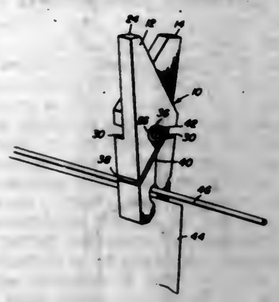


A rail connector for miniature railway track systems comprising an imperforate member formed from a blank of relatively thin and readily flexible material, said member including a bottom wall generally arcuate and upwardly convex in cross-section, and upwardly extending side walls, each side wall including an inwardly directed portion medially of its height, and upwardly directed portions extending from said inwardly directed portions and cooperating therewith to receive and engage rail ends to be inserted therein, said connector automatically conforming to the shape of the inserted rail ends for locking the rail ends in said connector without the use of separate fastening means, the upwardly directed portions of the side walls being embossed to simulate the head and nut ends of bolts used in rail connectors of standard gauge.

2,567,791
METHOD OF HEAT-TREATING GRAY CAST IRON
Frederick G. Sefing, Cranford, N. J., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1949, Serial No. 109,613
2 Claims. (Cl. 148—21.7)

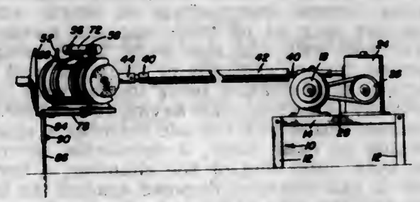
1. The improved process for producing a hard, wear-resistant, corrosion-resistant alloy gray cast iron casting which comprises subjecting an alloy gray cast iron casting containing about 2.5% to about 3% carbon, about 7.5% to about 9% nickel, about 3.5% to about 4% copper, about 2% to about 2.5% chromium, about 1.75% to 2.25% silicon, and the balance essentially iron to a thermal treatment comprising heating said casting to a temperature of about 1600° F. to about 1800° F., rapidly cooling said heated casting to a temperature below about 900° F. to soften said casting to a machinable hardness level of about 180 to about 250 Brinell, and thereafter subjecting said casting to a hardening treatment at a temperature below about minus 70° F. to harden said casting to a hardness of at least about 450 Brinell.

2,567,792
CLOTHESPIN
Anibal M. Untoria G., Habana, Cuba
Application April 26, 1948, Serial No. 23,320
1 Claim. (Cl. 24—137)



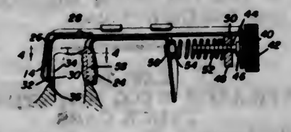
A clothespin comprising first and second gripping members having forward end portions and inner faces, resilient means joining said members and yieldingly urging the forward end portions of said members together and constituting the sole means joining the members, a first jaw on the forward end portion of said first member and having a rear bearing edge, a second jaw on the forward end portion of said second member and having a rear bearing edge, a first abutment surface on said first member, a second abutment surface on said second member, stop faces on said first and second members in spaced opposing relation to said abutment surfaces on said second and first members, respectively, when said jaws are in abutting relation to each other, and said stop faces being in abutting relation to said abutment surfaces to limit the relative movement between the members, said first and second members each having a substantially semi-cylindrical recess formed therein at central portions thereof and in opposing relation to each other, said semi-cylindrical recesses and bearing edges providing a bearing bore, said resilient means including a coiled spring disposed in said bearing bore and having end arms engaging said jaws for urging them together.

2,567,793
DISK SHARPENER
James William Wilson, Harrisonville, Mo.
Application October 14, 1949, Serial No. 121,353
2 Claims. (Cl. 51—170)



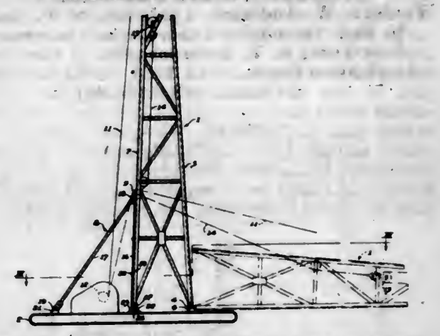
1. A support assembly for a rotary grinder comprising a pair of spaced brackets, each of said brackets comprising a handle encompassing portion and a grinder encompassing portion adapted to be positioned about the grinder coaxially thereof, a handle secured to and between said handle encompassing portions, a base member secured to said brackets and extending therebetween substantially parallel to the axis of the grinder, said base member having a portion extending beyond one of said brackets and having a plurality of spaced apertures therein, a tube, a pin selectively inserted in said apertures and securing said tube to said base member, and a ground contacting member secured to said tube for supporting said assembly above the ground.

2,567,794
DENTAL COMPRESSION CLAMP
Sidney R. Winett, Westfield, N. J.
Application September 28, 1950, Serial No. 187,302
9 Claims. (Cl. 32—63)



1. A dental clamp for taking impressions, and molding restorations to teeth comprising a body adapted for holding in the operator's hand, a clamp for clasping the teeth at one end and a clamp tensioning adjustment means at the other end, said clamp comprising a flange on the end of said body, a flange slidable on said body to clasp the tooth therebetween, said flange on the end of said body having a spring detent at its end for resiliently contacting the tooth.

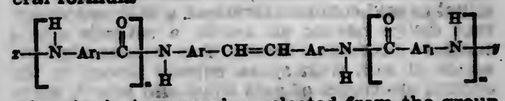
2,567,795
PORTABLE MAST STRUCTURE
Homer J. Woolslayer and Cecil Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1946, Serial No. 702,158
2 Claims. (Cl. 189—15)



1. A mast structure comprising a base, an upright mast mounted thereon having substantially straight front and rear legs extending upwardly from the base, means hinging the lower ends of the front legs to the base to permit the mast to be swung downwardly into prone position along the ground, a gin pole mounted on the base to aid in swinging the mast between prone and upright positions and having front and rear legs, the front legs of the gin pole extending along the lower portions of said rear mast legs in close proximity thereto, the rear legs of the mast being in the form of upright angle bars with their flanges projecting along the rear face and adjoining sides of the mast, the front legs of the gin pole also being in the form of upright angle bars with a pair of their flanges parallel to the rear flanges of the rear mast legs and with the other pair of the front gin pole leg flanges projecting forward between said rear mast legs, and means bolting said adjacent parallel flanges together.

2,567,796
WATER-SOLUBLE AMINOSTILBENE DERIVATIVES AND PROCESS
Franz Ackermann, Binningen, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application November 16, 1948, Serial No. 60,399. In Switzerland December 12, 1947
13 Claims. (Cl. 260—509)

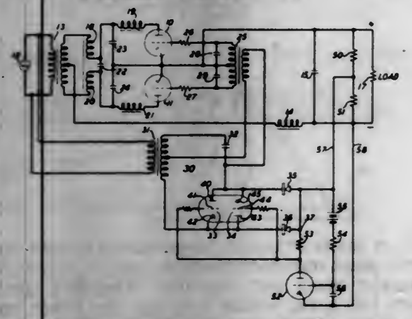
1. A process for the manufacture of a water-soluble derivative of an aminostilbene, which comprises reacting an aminostilbene of the general formula



wherein Ar is a member selected from the group consisting of a divalent phenylene radical containing a sulfonic acid group in the 2-position and a divalent phenylene radical containing a sulfonic acid group in the 2- and another sulfonic acid group in the 6-position, Ar being otherwise free from substituents, Ar_1 is a divalent phenylene radical free from substituents, x and y are members selected from the group consisting of H and alkyl, and n and m are whole numbers amounting to at most 3, with a water-

soluble condensation product from a water-soluble acid salt of sulfurous acid and a member selected from the group consisting of formaldehyde, acetaldehyde, benzaldehyde and furfurol.

2,567,797
CURRENT SUPPLY APPARATUS
Frederic W. Anderson, Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1950, Serial No. 144,964
1 Claim. (Cl. 321—40)



In combination, a full wave rectifier comprising two space current rectifying devices each having an anode, a cathode and a control grid for rectifying current from an alternating-current supply source and for supplying the rectified current to a load circuit, a phase shift bridge network having four impedance arms for shifting the phase of an alternating voltage supplied from said supply source to the input vertices of said bridge, means for supplying said phase shifted wave from the output vertices of said bridge to the grid-cathode circuits of said rectifying devices to control the rectified current supplied from said rectifier to said load, a first of said impedance arms comprising a first condenser, a second of said impedance arms comprising a third space current device having an anode connected to one of said output vertices, a cathode connected to one of said input vertices and a control grid, a fourth space current device having an anode connected to said one input vertex, a cathode connected to said one output vertex and a control grid, a first asymmetrically conducting varistor connected between said one output vertex and a common terminal and presenting its relatively high reverse resistance to current flow therethrough in a direction from said one output vertex to said common terminal, a second asymmetrically conducting varistor connected between said one input vertex and said common terminal and presenting its relatively high reverse resistance to current flow therethrough in a direction from said one input terminal to said common terminal, a fifth space current device having an anode, a cathode and a control electrode, means for connecting the anode of said fifth space current device to the control electrodes of said third and fourth space current devices, a first resistor, means for connecting the terminals of said first resistor to said common terminal and to the anode of said fifth space current device, respectively, means for impressing a portion at least of the load voltage across a current path comprising in series said first resistor and the space current path of said fifth space current device, a second resistor, an auxiliary source of unidirectional voltage, a circuit connecting said control electrode and said cathode of said fifth space current device comprising in series said second resistor, said auxiliary voltage source and in opposition to said auxiliary source a portion at least of said load voltage, a second condenser, and means for connecting the terminals of said second condenser to the control electrode and cathode, respectively, of said fifth space current device.

2,567,798
MOTION CONVERTING MECHANISM
Alfred A. Bamberger, Flushing, N. Y., assignor to Speedo Manufacturing Co., Inc., New York, N. Y.
Application June 8, 1946, Serial No. 675,362
2 Claims. (Cl. 74—44)

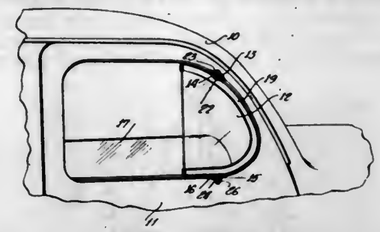


1. Motion converting mechanism comprising a casing formed intermediate its length with a chamber open at its outer end and having an inner end wall, and side walls, there being an opening formed centrally of the inner wall, end portions of the casing being formed with longitudinally extending bores having their inner ends communicating with the said chamber in opposed relation to each other, a removable cover for the open outer end of the chamber, a beveled gear in said chamber disposed against the inner end wall thereof and formed with a center opening registering with the opening in said inner wall, and having its outer end portion enlarged and forming an annular recess, a fastener extending through the opening in said gear and received into the opening in said inner wall, and having a head at its outer end countersunk in said recess, said screw rotatably mounting said gear and having its head flush with the outer surface of the gear, a block detachably secured against the outer surface of said gear and covering said head and constituting a hub for the gear, a drive shaft rotatably mounted through the bore of one end portion of said casing and at its inner end carrying a beveled pinion meshing with the beveled gear, a rod slidable longitudinally through the bore in the other end portion of the casing, a link pivoted to the inner end of said rod and overlapping said hub, and a pin carried by and projecting outwardly from said hub in eccentric relation thereto, the outer end of said link being formed with an opening through which said pin on the hub passes and being thereby pivotally connected with the hub and serving to impart longitudinal reciprocating motion to said rod during the rotation of the beveled gear and the hub block.

2,567,799
VENTILATOR WING MOUNTING FOR TRUCK CABS
Benjamin G. Barnett, Dallas, Tex.
Application June 15, 1949, Serial No. 99,181
1 Claim. (Cl. 296—84)

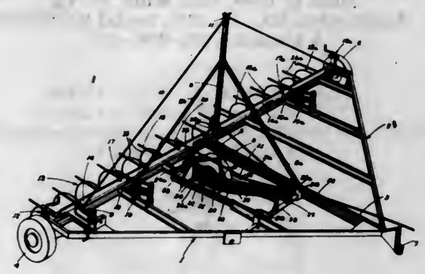
A side ventilator for a truck cab comprising a single wing mounted for oscillative displacement on an axis parallel to the glass panel opening of the door of said cab; top and bottom mounting members, each comprising a pair of parallel brackets, one of which is affixed to the door of said cab and extends outwardly therefrom, the other of said brackets being affixed to said wing,

a cylindrical spacing member interposed between the outer ends of said pair of brackets and having a threaded pin extending from one end thereof through one of said pair of brackets and having



its other end directly peened to the other of said pair of brackets; and means on said pin bearing against the respective bracket of the pair for frictionally holding said wing against displacement from adjusted positions.

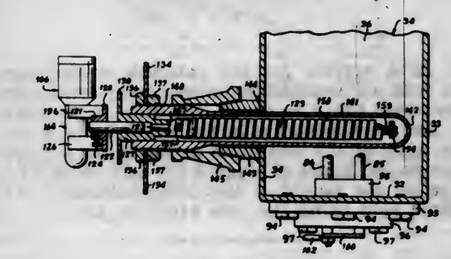
2,567,800
REAR DELIVERY RAKE WITH FRICTIONAL DRAFT DUMPER
Abel B. Branco, Manteca, Calif.
Application May 13, 1946, Serial No. 669,420
18 Claims. (Cl. 56—388)



1. In a hay rake which includes a main frame, transversely spaced wheels supporting the frame, and a rake carrying unit mounted on the frame for vertical swinging movement between a lowered and raised position of the rake; a rake dumping means, such dumping means including a longitudinally movable element connected with the rake unit and operative upon reciprocation thereof to swing the unit between said positions, and operator controlled mechanism actuated from one of the wheels and being operative to reciprocate said element; said mechanism including a normally stationary but rotatable member adjacent said one wheel, a normally released brake assembly interposed between the wheel and rotatable member, means to engage the brake assembly whereby to cause said member to rotate with the wheel, and a crank secured to said rotatable member and associated with said longitudinally movable member to reciprocate the same.

2,567,801
HOT-WATER AIR HEATING UNIT
Eugene W. Caldwell, Maiden, N. C.
Application April 25, 1950, Serial No. 158,032
1 Claim. (Cl. 219—39)

An improved temperature regulator in a space heater, said space heater having upper and lower water containing manifolds, means connecting said manifolds, said space heater also being provided with means for introducing water under pressure into said manifolds and said space heater also having a frame, said improvement comprising at least one heating coil positioned within said lower manifold and having the free end thereof insulatably mounted in one of the walls of said lower manifold, a bracket secured to said frame adjacent said lower manifold, a closed tubular member fixedly mounted in said bracket and extending within said lower manifold, a gauge member adjustably mounted in the end of said tubular member extending from said lower manifold, a shaft rotatably mounted in said gauge member and extending within said tubular member, a coiled thermostatic element positioned within said tubular member and about said shaft and having one of its ends connected to said

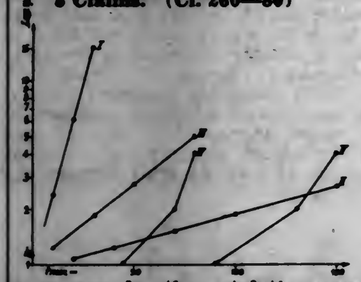


shaft and the other of its ends connected to said gauge member, a switch bracket secured to the outer end of said shaft, at least one clip secured to said switch bracket, a mercury tube positioned in said clip, a source of electrical energy, an electrical circuit connecting said mercury tube with said source of electricity and with said free end of said heating coil, said circuit being broken at said mercury tube, said mercury tube having mercury therein adapted to close said circuit upon said tube being moved to switch closed position, whereby heat in said lower manifold will cause said shaft to rotate a predetermined amount to move said mercury tube to switch open position and upon said lower manifold cooling, said shaft will rotate in the opposite direction to move said mercury tube to switch closed position to actuate said heating coil to heat the water in said lower manifold.

2,567,802
METHOD OF RECLAIMING FIBER-REINFORCED RUBBER
Richard K. Carr, Wadsworth, and Earl B. Busenburg, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 21, 1949, Serial No. 72,058
8 Claims. (Cl. 260—711)

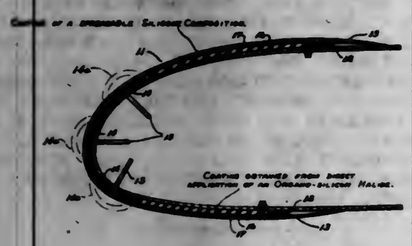
1. The method of reclaiming a fiber-containing sulfur-vulcanized rubber composition which method comprises subjecting said composition in finely-divided form to mineral acid vapors at a temperature of 70° to 250° C. for a period of time not over 5 minutes while maintaining said composition in an essentially dry condition, removing the composition from said vapors, and heating it for two to five hours in a liquid aqueous medium at a temperature of 330° to 400° F. to render the rubber plastic and remove the fiber therefrom.

2,567,803
BULK POLYMERIZATION OF VINYL COMPOUNDS USING A SULFINIC ACID CATALYST
Pierre Castan and Oskar Hagger, Zurich, Switzerland, assignors to Gebr. de Trey Aktiengesellschaft, Zurich, Switzerland
Application February 4, 1948, Serial No. 6,268
In Switzerland February 7, 1947
8 Claims. (Cl. 260—80)



1. In a process for the catalytic preparation of a bulk polymerized liquid monomer containing a terminal $CH_2{:}C{=}$ group, the step of performing the polymerization in the presence of a sulfinic acid of the aromatic series in an amount between the limits of about 0.1% and about 5.0% taken on the weight of the liquid monomer, said sulfinic acid being the sole catalytic agent.

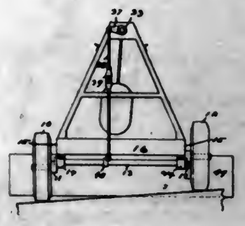
2,567,804
MEANS FOR PREVENTING THE ACCUMULATION OF ICE ON AIRCRAFT SURFACES AND THE LIKE
John M. Davies, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 3, 1945, Serial No. 632,416
8 Claims. (Cl. 244—134)



1. Ice-combatting means resistant to the adhesion of ice under icing conditions comprising a flexible elastic element of rubbery material having on an exposed surface thereof a foundation film derived from an organo-silicon halide, and a layer comprising silicone polymer derived from a liquid polymeric silicone composition superposed on said treated surface adherent thereto and resistant to the adhesion of ice under said icing conditions.

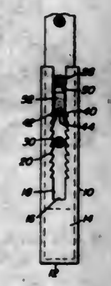
2,567,805
EARTH WORKING IMPLEMENT
Carl F. Doerfler, Bend, Oreg.
Application March 1, 1948, Serial No. 12,241
2 Claims. (Cl. 37—168)

1. An implement of the class described, including an elongated frame having a pulling hitch at one end, an axle at the rearward end of said frame, said axle having oppositely turned eccentric wheel spindles at its ends, a ground engaging wheel on each spindle, a crank arm on said axle whereby a limited rocking motion may



be imparted to said axle, a pendulum arm on said frame, an adjustable connection between said crank arm and said pendulum arm, a scraper blade supported by said frame and means for controlling the elevation of the pulling hitch.

2,567,806
EXTENSION FOOT FOR LADDERS
John C. Doss, Gap Mills, W. Va.
Application May 13, 1949, Serial No. 92,988
5 Claims. (Cl. 228—63)

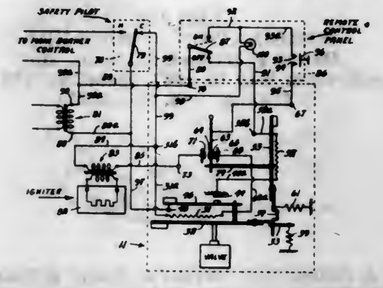


1. An extension foot for ladders comprising a sleeve adapted to slidably receive one rail of a ladder, said sleeve having an elongated slot therein, teeth provided on the edges defining the slot, an anchor plate adapted for placement between a pair of rungs of a ladder, a pair of pawls pivoted to said anchor plate, said pawls being received in said slot, and a spring member biased between said pawls and urging the pawls into locking engagement with said teeth.

2,567,807
BURNER SAFETY CONTROL SYSTEM AND APPARATUS
Walter E. Edelman, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 2, 1947, Serial No. 777,407
9 Claims. (Cl. 158—28)

3. Control apparatus comprising an igniter, a fuel control means having a fuel-flow position and a no-flow position, a first electrical power means for actuating said control means to its

fuel-flow position, holding means normally biased to a position wherein it mechanically retains said power means in said fuel-flow position, a second electrical power means for actuating said holding means to a position wherein it releases the first power means to return to the no-flow position of said control means and wherein it is mechanically retained in said position by said first power means, a normally open switch adapted to be actuated to



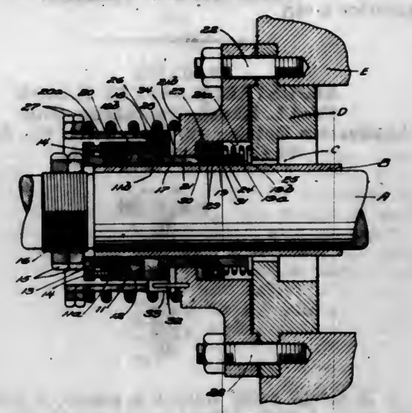
a closed position upon movement of the first power means to said fuel-flow position, said switch being in series with said second power means, and a single pole double throw switch having one contact connected to said ignitor and another contact in series with said first power means and adapted to be actuated by said second power means to open the circuit to said first power means and to simultaneously close the circuit to said igniter.

2,567,808
BABY CARRIAGE SUPPORT
Louis Gottfried, New York, N. Y.
Application September 10, 1947, Serial No. 773,239
3 Claims. (Cl. 280—47)



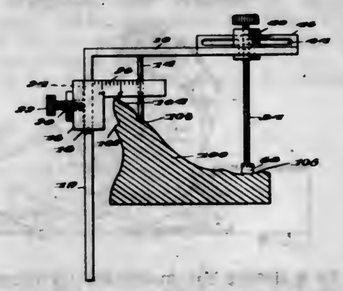
1. In a baby carriage, a running gear, comprising two axles carrying wheels, a chassis comprising two side members extending perpendicularly to and above said axles and having two raised portions at the points of crossing said axles, two substantially horizontal helical springs and one substantially vertical helical spring connecting each of said side members at their raised portions with said axles adjacent their ends, a carriage body supported by said chassis, a resilient flat metal connecting member secured at one of its ends to about the center of each of said axles and at the other of its ends to the raised portion of the corresponding side member, and said flat metal connecting member being disposed in a plane running through the axle to which it is secured and through the axis of the corresponding vertical spring, so that action of the vertical spring is permitted due to the resiliency of said flat metal member while a rigid connection is provided between the axles and the chassis preventing side movement of said axles relative to said chassis.

2,567,809
ADJUSTABLE ROTARY SEAL
Harold F. Greiner, Geneva, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application September 17, 1947, Serial No. 774,535
8 Claims. (Cl. 286—11.14)



7. A sealing device for sealing a space between a substantially stationary machine casing and a rotatable shaft extending into an opening therein, comprising a sealing ring having a radial sealing surface for effecting a running seal with a radial sealing surface associated with the shaft, and a cylindrical sealing surface for effecting a seal relatively to the casing; an adjusting element, carried upon said sealing ring and adapted for axial adjustment relatively thereto; and a coil spring coaxially disposed relatively to said sealing ring and coacting therewith and with the casing for yieldably urging said sealing ring axially to maintain said running seal effect; said adjusting element being adjustable axially along said sealing ring to vary the force of the spring imposed upon the sealing ring.

2,567,810
DENTAL PROSTHESIS AND DEVICE
Robert N. Harper, Danville, Va.
Application September 13, 1948, Serial No. 49,057
4 Claims. (Cl. 32—174)



1. In a dental gauge for determining the position of teeth in the maxillary arch, a base member consisting of a horizontal arm and a vertical arm, a papilla pin depending from the under face of said horizontal arm in parallel relation to said vertical arm, the free end of said pin being adapted to rest on the impression of the incisive papilla of the maxilla, a vertically adjustable pin extending downwardly from the distal end of said horizontal arm for adjustably supporting the distal end of said horizontal arm, means for supporting

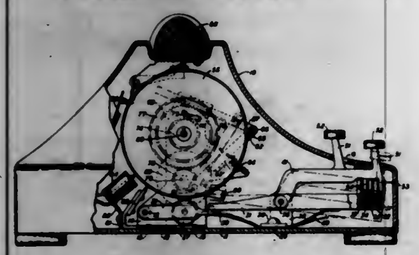
said pin on said arm for sliding movement therealong whereby the same may be located over the post-dam area of the arch, a scale on a face of said vertical arm and an incisal table having a distally extending finger slidably mounted on the vertical arm of said base for measuring the horizontal and vertical position of the incisal edge of anterior teeth.

2,567,811
ADJUSTABLE SAFETY RAZOR
Fred L. Haushalter, Akron, Ohio
Application October 18, 1945, Serial No. 623,071
12 Claims. (Cl. 30—72)



1. A safety razor having a guard, a separable cap, and a handle affixed to the guard, the handle having a central bore extending therethrough, a stem disposed within the bore and having a shoulder near one end thereof adapted to abut against the handle, means on the stem adapted to coact with the cap to hold it detachably with respect to the guard, the stem being adapted to project beyond the other end of the handle, a resilient sleeve embracing the projecting end of the stem and having one end thereof abutting against the handle, means carried by the stem and abutting the opposite end of the sleeve, said last named means being adjustable axially with respect to the sleeve so as to preload it, and means for locking the sleeve in preloaded condition.

2,567,812
CODE TRANSMITTER
Clarence N. Hickman, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 17,136
5 Claims. (Cl. 179—90)



1. In a device for magnetically recording code signals on a rotatable magnetic recording element and for translating the recorded signals into corresponding electrical impulses, the combination in a telephone set, of a plurality of manually operable keys, means responsive to the operation of any of said keys for rotating said recording element through a predetermined arc, means effective during the rotation of said element for magnetically polarizing a segment of the periphery thereof corresponding in length to the arc through which said element is rotated, means also responsive to the operation of any of said keys for selectively reversing the polarization of the peripheral segment of said element in accordance with a predetermined pattern, a magnetic pick-up device disposed in close proximity to the periphery of said recording element, and means for rotating said recording element relative to said pick-up device.

2,567,813
COMBINATION SPOON LURE
Daniel F. Hyland, St. Louis, Mo.
Application May 16, 1947, Serial No. 748,533
4 Claims. (Cl. 43—42.52)



1. A fishing lure having a spoon, a hook having a straight shank, and a weed guard, said spoon and said hook having eyes adapted to be aligned and connected, and said shank extending through a completely surrounding eye in said weed guard and also through a hole in said spoon for maintaining said parts in predetermined relation each to the other.

2,567,814
TETRAETHYL THIURAM DISULFIDE ALCOHOLISM TREATMENT COMPOSITION
Erik Jacobsen and Jens Hald, Copenhagen, Denmark, assignors, by mesne assignments, to Ayerst, McKenna & Harrison Limited, New York, N. Y.
No Drawing. Application March 26, 1948, Serial No. 17,377
3 Claims. (Cl. 167—55)

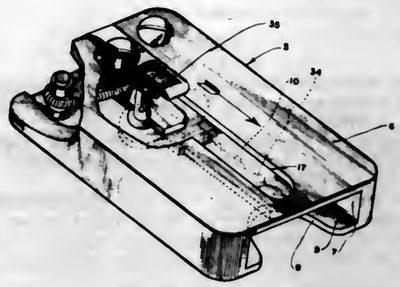
1. A tablet for therapeutic use for treatment of alcoholism containing a solid diluent with an amount of from 5 to 100 centigrams of tetraethyl thiuram disulfide sufficient to constitute a dosage-unit for treatment against alcoholism.

2,567,815
PREPARED PASTRY FLOUR AND PROCESS OF PRODUCING THE SAME
Abraham Kipnis, Forest Hills, N. Y.
No Drawing. Application July 1, 1947, Serial No. 758,465
6 Claims. (Cl. 99—94)

1. A method of producing a prepared flour adapted for use in making French crullers, cream puffs and éclairs which comprises boiling a major proportion of flour in water in the presence of a minor proportion of shortening until the flour is gelatinized, cooling to below cooking temperature, and then adding eggs and milk and dehydrating and comminuting the product to provide a dry, powdery flour wherein the ingredients are in approximately the proportions required for the pastry to be made from said product.

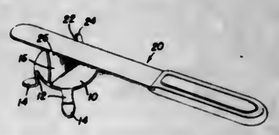
5. A prepared pastry flour for use in making French crullers, éclairs and cream puffs, prepared by the method of claim 4, comprising a fatty flour the particles of which consist essentially of gelatinized shortening-impregnated flour, the proportion of flour exceeding the proportion of shortening, said proportions being in the ratio required for the pastry to be made from the product and the product being in a stable finely-divided form.

2,567,816
EJECTION-TYPE KEY RETAINER
Lowell Kniebes, Coloma, Mich.
Application May 15, 1950, Serial No. 161,944
4 Claims. (Cl. 70—414)



4. A pocket key retainer, comprising a case provided with a slotted opening longitudinally therethrough and an elongated slotted portion on its top surface, ejector means slidably mounted in the said case and provided with guide means operatively associated with the said elongated slotted portion and having a top portion extending beyond the width of the said slotted portion, hollow rivet means removably secured to the said ejector means adapted to support removably a key thereon, bushing means rotatably mounted within the confines of the said slotted opening and located at one end of the said case, and endless spring means interconnecting the said bushing means and the said ejector means to maintain the said ejector means normally in retracted position, the said bushing means and the said ejector means being provided with filleted portions to locate the said spring means in fixed position, the bottom surface of the said case being provided with an arcuate cut-out portion to facilitate removal of the said hollow rivet means for interchangeability of keys to be mounted thereon.

2,567,817
KNIFE REST
Herman M. Lunde, Austin, Minn.
Application December 29, 1947, Serial No. 794,247
1 Claim. (Cl. 65—65)



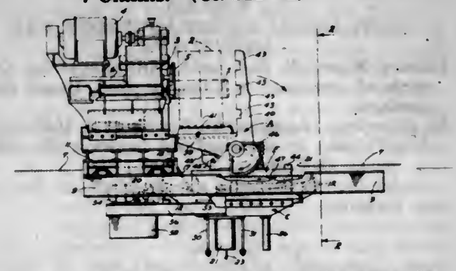
A knife rest for a single knife to hold the blade thereof elevated while the handle is supported on a table top, said knife rest comprising a circular base having legs fixed at the periphery thereof and feet at the ends of said legs, a vertical plate secured to said base and extending at substantially right angles thereto, the upper edge of said plate having a recess for retaining a knife blade, vertically rising legs at each end of said recess, and said recess having a substantially straight and horizontal bottom to form a contact surface for the entire width of the blade at one part of its length.

2,567,818
LIQUID FUEL NOZZLE
Calvin D. MacCracken, New Rochelle, N. Y., assignor to Jet-Heet, Inc., Englewood, N. J., a corporation of New York
Application May 17, 1949, Serial No. 93,661
1 Claim. (Cl. 299—120)



A liquid fuel nozzle of the return-flow type comprising a base member having a cavity provided with an inlet passage and in the center of its bottom with a return passage, the mouth of said cavity being internally threaded, and an assemblage of parts adapted to cooperate with said base member and comprising a hollow perforated bushing receivable within said cavity in spaced-apart relation thereto and having an externally threaded end, a return tube which passes through said bushing and is provided with a cylindrical end which slidingly and closely fits into said return passage in the center of said base member, said bushing and tube being provided with co-operating flanges which substantially close the annular space between said bushing and tube near one end, a fuel distributor having a cavity cooperating with the end of said return tube and provided with an axial passage communicating with said tube, the end face of said fuel distributor being provided with tangential grooves, a nib having an axial orifice and cooperating with the grooved end of said fuel distributor and a nozzle tip having an axial aperture and cooperating with said nib and provided with an internally threaded opening cooperating with the externally threaded end of said bushing and provided with an externally threaded portion cooperating with the internally threaded mouth of said base member, whereby said perforated bushing, return pipe and fuel distributor, nib and nozzle tip may be secured together in assembled relationship and then may be secured in said base member with the end of said return tube closely fitting into the return passage in the center of said base member.

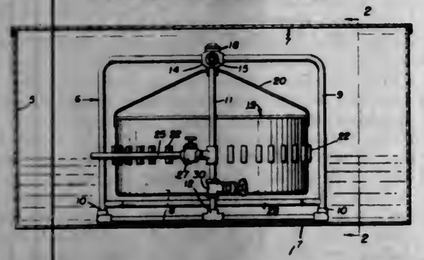
2,567,819
COIL HANDLING APPARATUS
Elwin A. Matteson and William P. Donald, Youngstown, Ohio, assignors to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio
Application August 17, 1946, Serial No. 691,344
7 Claims. (Cl. 214—1)



4. In coil handling apparatus of the type described, a movable carriage, an elevator mounted on said carriage and movable vertically relative thereto, said elevator having spaced bearing brackets, a shaft mounted for rotation in said

brackets and having its axis extending substantially normal to the direction of movement of said carriage, a coil cradle secured to said shaft between said brackets, a gear segment secured to said shaft, a rack slidingly supported on said elevator and engaging said gear segment, elevator operating fluid pressure actuated means mounted on said carriage and movable therewith, and fluid pressure actuated means carried by and movable with said elevator and connected to said rack to impart reciprocating movement thereto whereby said gear segment, shaft, and coil cradle may be rotated through approximately 90° independently of movement of said carriage.

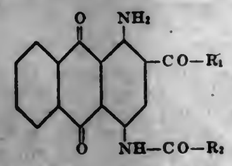
2,567,820
CLEANING MACHINE FOR MACHINE PARTS AND THE LIKE
Ernest A. Messerschmidt, Newark, Ohio
Application January 13, 1947, Serial No. 721,851
1 Claim. (Cl. 134—138)



A cleaning machine of the character described comprising a receptacle for containing a cleaning liquid, and a basket supporting and driving unit removably disposed within said receptacle, said unit comprising a rigid frame having a U-shaped base member resting on the bottom of said receptacle, an inverted vertical U-shaped member connected at its ends to the base member, a tubular upright member connected to the vertical inverted U-shaped member and the base, a circular basket for containing the parts to be cleaned suspended from the intermediate portion of said inverted U-shaped frame member for rotation about its vertical axis, a nozzle carried by and communicating with said upright member, louver-like vanes on the basket, said nozzle being disposed to discharge a jet of fluid against said vanes to rotatably drive said basket, and a fluid pressure supply pipe communicating with the upper end of said upright frame member, said upright frame member providing a passage for fluid from the supply pipe to the nozzle.

2,567,821
ACYLAMINO-ANTHRAQUINONE VAT DYESTUFFS
Eduard Moergeli, Neuewelt, Munchenstein, Switzerland, assignor to Ciba Limited, Basel, Switzerland
No Drawing. Application February 2, 1949, Serial No. 74,264. In Switzerland January 30, 1948
12 Claims. (Cl. 260—377)

1. An anthraquinone vat dyestuff of the general formula

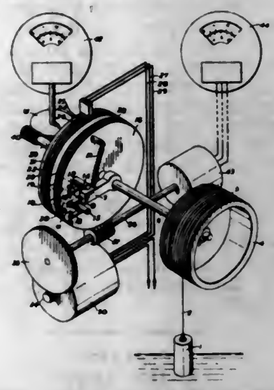


wherein R_1 stands for an aromatic radical containing from 6 to 12 carbon atoms and is free from ionizable salt-forming substituents, and —CO—R_2 stands for the radical of a monocarboxylic acid of the formula HO—CO—R_2 containing at most 13 carbon atoms and belonging to one of the series: aromatic and aliphatic-aromatic.

2,567,822
VAT DYESTUFFS
Eduard Moergeli, Neuewelt, near Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application June 20, 1949, Serial No. 100,297. In Switzerland July 1, 1948
6 Claims. (Cl. 260—316)

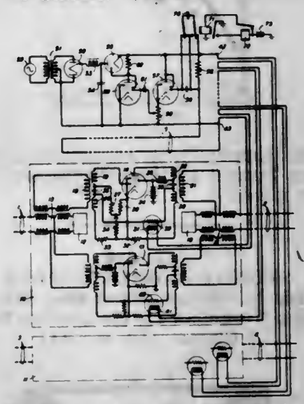
1. A vat dyestuff of the α:α'-dianthrimide carbazole type wherein at least one further α-position of the two anthraquinone nuclei is occupied by an ortho-fluorobenzoylamino group.

2,567,823
LIQUID LEVEL INDICATOR
John Cuthbert Needham, Chiswick, London, England, assignor to Evershed & Vignoles Limited, London, England, a British company
Application November 7, 1949, Serial No. 125,959
In Great Britain November 5, 1947
3 Claims. (Cl. 73—313)



1. An apparatus for indicating and measuring the level of liquids, comprising in combination, a displacer body arranged for submersion in said liquid to an extent such that the resultant force on said displacer body is downward, a spindle mounted for rotation, a radial contact arm rigidly connected to said spindle, a drum mounted on said spindle, a cord connected at one end to and wound around the periphery of said drum and connected at the other end to said displacer body to balance the resultant force in said displacer body by the tension in said cord, a follower member mounted coaxially with said spindle for independent rotation adjacent said radial contact arm, tension spring means connected between said radial contact arm and said follower member for opposing the tension applied to said periphery of said drum by said cord, a contact blade carried by said radial arm, a pair of electrical contacts comprising a first contact and a second contact insulated from and carried by said follower member in circumferential spaced relationship on opposite sides of said contact blade, reversible drive means for producing rotation of said follower member, a control circuit completed by contact between said blade and said first contact for energizing said drive means to rotate said follower member in a direction to separate said blade and said first contact, a second control circuit completed by contact between said blade and said second contact for energizing said drive means to rotate said follower member in a direction to separate said blade and said second contact, and means for indicating the position of said follower member.

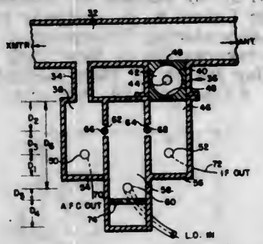
2,567,824
AUTOMATIC GAIN CONTROL
Harry W. Nylund, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1947, Serial No. 735,522
9 Claims. (Cl. 178—44)



1. Means for regulating the transmission level of a communication channel having a repeater connected therein comprising a thermistor associated with the repeater for varying its gain in response to resistance changes of said thermistor, an electric heater associated with said thermistor, a circuit for supplying current to said heater, a voltage regulating electric discharge device having an output circuit connected in said supply circuit for controlling its voltage in accordance with the resistance of said output circuit, a pilot conductor and a resistor in series therewith in a current path connected to said supply circuit, means comprising an amplifier electric discharge device responsive to voltage variations of said supply circuit for varying the resistance of said regulating device to maintain said supply voltage substantially constant when the resistance of said pilot conductor is constant, said amplifier device having an input circuit, and means for causing the resistance of the output circuit of said regulating device to vary in response to resistance variations of said pilot conductor, said means comprising a condenser in series with said pilot conductor connected in the input circuit of said amplifier device, and means for charging said condenser to a voltage substantially equal to the voltage drop across said resistor in a direction to oppose the voltage drop across said pilot conductor.

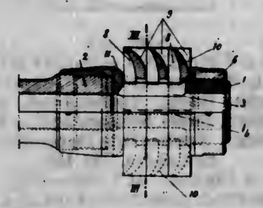
2,567,825
WAVE GUIDE MIXER
Robert V. Pound, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 10, 1945, Serial No. 621,568
13 Claims. (Cl. 250—20)

1. A multiple function mixer system for mixing two radio frequency signals with a common local oscillator frequency signal comprising a first wave guide having a first mixing device mounted therein, means for applying a first radio frequency signal to said first wave guide, a second wave guide having a second mixing device mounted therein, means for applying a second radio frequency signal to said second wave guide, a third wave guide having means for applying a local oscillator frequency signal thereto, a pair of means loosely coupling said third wave guide



to said first and second wave guides respectively, short-circuiting means terminating one end of said third wave guide, and impedance means coupled to the other end of said third wave guide and designed to terminate it in its characteristic impedance whereby said local oscillator frequency signal applying means is substantially impedance matched to said third wave guide over a band of frequencies regardless of the load of said first and second wave guides thereon.

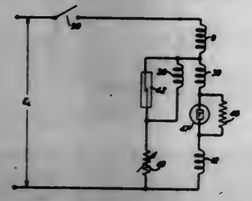
2,567,826
MUZZLE RECOIL CHECK FOR FIREARMS
Jacques Emilien Prache, Fontenay sous Bois, France, assignor to Schneider & Cie, Paris, France, a special partnership of France
Application May 17, 1948, Serial No. 27,537
In France May 31, 1947
1 Claim. (Cl. 89—14)



A muzzle recoil check for firearms comprising a hollow cylindrical body adapted to be fitted on the muzzle of a firearm and having two laterally opposed and longitudinally elongated openings for the escape of gases, and means for controlling and deflecting the escaping gases comprising a pile of aligned deflector plates mounted on said body for longitudinal sliding movement, said plates having flat parallel surfaces for engagement with one another to form a solid pile, means for locking said plates in engagement comprising a shoulder on said body at one end of the pile and a nut on said body at the other end of the pile, said plates having projections extending outwardly from both sides of said body, and curved recesses cut into the opposite flat surfaces of each projection between its upper and lower margins to form substantially horizontal rearwardly curved vanes extending from said openings to the outer edges of said projections, said projections and vanes forming between them two rows of outwardly extending rearwardly curved nozzles one on each side of said body for deflecting the gases escaping through said openings,

the vanes of individual plates having different curved profiles and said plates being interchangeable in the pile for adjustment of the curvature of the nozzles and of the recoil checking effect.

2,567,827
TIME DELAY RELAY
Hugh M. Stoller, deceased, late of Mountain Lakes, N. J., by Marian M. Stoller, executrix, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 12, 1948, Serial No. 14,597
8 Claims. (Cl. 175—335)



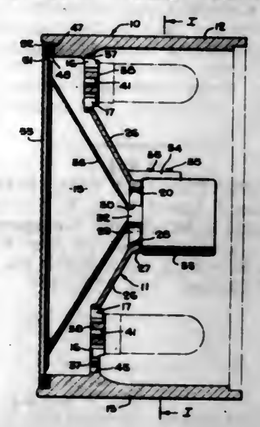
1. In a time delay apparatus, a pivoted armature, first means for producing a first moment on said armature proportional to the current in said first means, second means for producing a second moment on said armature proportional to the current in said second means and opposing said first moment, and means for varying the current in said first and said second means relative to each other comprising a resistor having a negative temperature coefficient of resistance connected electrically intermediate said first and second means and in series therewith, and means for shunting said resistor and said second means comprising magnetically operable switch means controlled by said first means and a resistor connected in series with said magnetically operable means.

2,567,828
PROCESS OF MAKING DISAZO DYESTUFFS
Fritz Straub, Kaiseraugst, and Jakob Brassel and Peter Pieth, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application December 29, 1947, Serial No. 794,458
4 Claims. (Cl. 260—182)

1. Process for the manufacture of a disazo dyestuff which comprises coupling tetrazotized 3:3'-dihydroxy-4:4'-diaminodiphenyl with two molecular proportions of an amino-5-hydroxynaphthalene-7-sulfonic acid capable of coupling in 6-position and wherein the amino group is a primary amino group in a β-position, in a medium rendered alkaline with an alkaline earth metal hydroxide.

2,567,829
COMBINED CABINET AND CHASSIS FOR MOUNTING ELECTRICAL COMPONENTS
Robert Andree Suthann, Los Angeles, Calif.
Application March 6, 1947, Serial No. 732,709
18 Claims. (Cl. 250—16)

1. In a combined cabinet and chassis for a loudspeaker and circuit components, the combination of: a chassis member of frusto-conical form, and substantially plane wall elements extending axially rearwardly from areas contiguous to edges of the chassis member at its larger diameter to form a rear enclosure defined by said wall elements and the chassis member; means forming a plurality of selectable openings in the chassis member to receive and support electrical components; said chassis member including



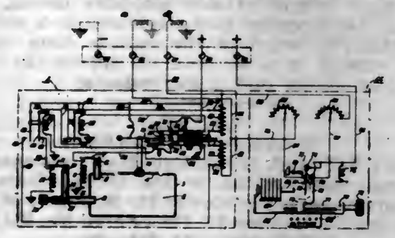
means for supporting a reproducing speaker in the recess formed by the concave surface of the chassis member.

2,567,830
SPONGE RUBBER BEDPAN
Ida M. Timian, Milwaukee, Wis.
Application November 22, 1947, Serial No. 787,495
1 Claim. (Cl. 4—113)



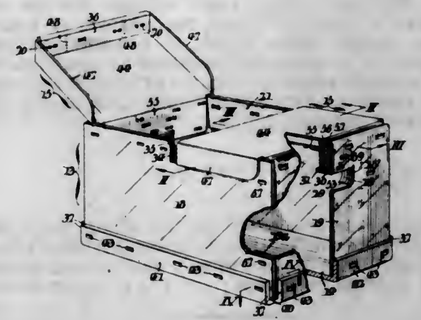
In a new article of manufacture a sanitary bed protecting pad comprising a circular dish-shaped sponge rubber basin, a drain tube extending through the wall of the basin at its bottom, a waterproof sheet adhesively secured to the inner surface of said basin, said sheet having an aperture communicating with the drain tube, said sheet having its margin extending beyond the side wall of the basin, and a waterproof bottom sheet secured to the lower surface of the basin end having its margin extending beyond the basin.

2,567,831
ALTITUDE CONTROL SYSTEM FOR AUTOMATIC PILOTS
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 30, 1947, Serial No. 744,997
11 Claims. (Cl. 74—5.4)



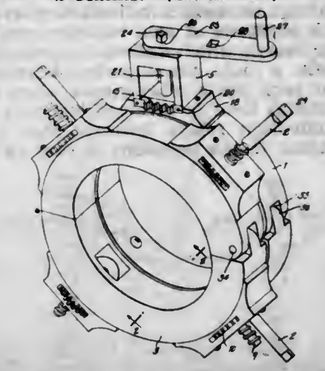
11. In an automatic altitude control system for aircraft having a control gyroscope and means for precessing said gyroscope, pressure-responsive means for causing said precessing means to urge continuous precession of said gyroscope until a predetermined altitude is reached, means responsive to a change of pressure to urge a decrease of the rate of said precession, and means, responsive to a larger change of pressure, for intermittently urging a reversal of said precession, said last urging means serving to limit the time rate of change of altitude of the aircraft to a predetermined maximum value.

2,567,832
PACKING AND STORAGE CONTAINER
Samuel Vadner, Narberth, Pa.
Application January 31, 1949, Serial No. 73,755
2 Claims. (Cl. 229—23)



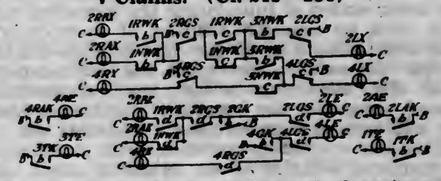
1. A packing and storage container comprising a main or body blank of comparatively thin sheet material provided with a longitudinal crease line and transverse crease lines subdividing said blank into a pair of side walls and a pair of end walls, with one of the latter including an angularly bendable attaching flap; side and end wall-edge flaps outwardly beyond the longitudinal crease line for retroversion into lapping engagement with said side and end walls to reinforce the latter about their upper edges; means for lapping fixture of the end wall attaching flap to the confronting side wall when the blank is bent along the transverse crease lines into tubular form; a rectangular bottom blank of relatively stronger sheet material than that of the body blank having longitudinal and lateral crease lines with corner cut-outs to define side and end attaching flanges; means for removably attaching the bottom blank, to the confronting portion of the tubular formed body blank, for renewal when desirable; a pair of complemental members or blanks each of which embodies a cover portion having side flanges, a free end reinforced flange for retaining the cover portion in closed position, and an opposingly related accordion-pleated continuation, and said continuation when collapsed constituting a reinforced means for attachment to the inner portion of the respective body blank end walls, said body blank being of comparatively thin fiber board wherein each end wall portion includes hand-hole having the upper unsevered region transversely creased and inwardly angled as an abutment flange; and wherein the respective cover blank accordion-pleated continuations include medial notches for seating on the related abutment flange.

2,567,833
PIPE CUTTER
Chester E. Warren and Edwin A. Morris, Lyons, Kans.
Application September 4, 1948, Serial No. 47,898
2 Claims. (Cl. 30—97)



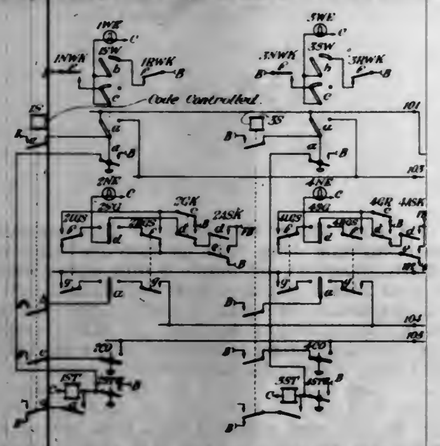
1. A pipe cutter including in combination a pipe clamping ring that is radially split into radially separable segments, a pipe cutter carrying ring that is radially split correspondingly to said clamping ring into radially separable segments corresponding to those of said clamping ring, said rings being positioned beside each other and having axially facing mutually opposed faces, one of the latter having an annular undercut groove and the other having an annular tongue with an enlarged end and with said tongue and groove interfitting to hold said rings together against axial separation while said carrying ring rotates relative said clamping ring, said corresponding segments being radially separable simultaneously when mutually registered with their tongue and groove portions holding them against relative axial separation, a pair of independent hinges, one joining the segments of said clamping ring and the other the segments of said carrying ring, said hinges having their pintles extending axially and spaced equal distances in a radial direction from the central axis of said pipe cutter, whereby said pintles may be aligned to permit simultaneous opening and closing of said clamping ring and said carrier ring when said pintles are aligned and releasable means for fastening the segments of said rings together independently respecting each ring to permit respective rotation of the latter.

2,567,834
CENTRALIZED TRAFFIC CONTROL SYSTEM FOR RAILROADS FOR THE CODE CONTROL OF INTERLOCKED TRACK SWITCHES AND SIGNALS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 11, 1945, Serial No. 598,695
7 Claims. (Cl. 246—134)



1. In a centralized traffic control system for railroads, a track layout including track switches

and signals for governing traffic movements over the different routes in said layout, a miniature track diagram of said layout at a control office, switch levers for controlling said switches, route relays for governing said signals, signal levers for controlling said route relays to effect the clearing of said signals, switch indication relays which reflect the positions of said switches and signal indication relays which reflect the condition of said signals, a route circuit network including a circuit for each route relay closed when the associated signal lever is reversed but only if said switch indication relays indicate that a route corresponding to the positions of said switch le-



vers is set up which has its entrance end at the location of the signal which such route relay governs, a signal lamp at each signal location in said track diagram, an exit lamp at the exit end of each route in said track diagram, a circuit for each exit lamp prepared by said switch indication relays when a route having the corresponding exit end is set up and completed upon the energization of the route relay for the signal at the entrance end of such route over the corresponding circuit in said network, and a circuit for the signal lamp for said signal prepared by said route relay and completed by the corresponding signal indication relay when said signal clears.

2,567,835

REMOVING COPPER-CONTAINING INCRUSTATIONS FROM STEAM GENERATORS

Francis N. Alquist, Joseph L. Wasco, and Carroll R. Irons, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application August 29, 1949, Serial No. 113,032

4 Claims. (Cl. 134—2)

1. The method of removing copper-containing incrustations deposited upon the ferrous metal surface of high pressure steam generating equipment which comprises the steps carried out in the order stated of inundating the incrusted surface with an aqueous solution of hydrochloric acid containing 5 to 25 per cent of HCl and allowing the acid to act upon the incrustations until the dissolving action has substantially ceased, removing the resulting spent acid from the acid treated incrustations, inundating the resulting acid treated incrustations with an aqueous ammoniacal solution of an oxidizing agent and allowing the solution to remain in contact with the incrustation until the solution no longer increases in copper content, removing the spent aqueous ammoniacal solution of the oxidizing agent from the treated ferrous metal surface and rinsing the same, inundating the rinsed surface with a dilute aqueous solution of hydrochloric acid, thereafter removing the solution, and then treating the resulting acid treated surface with a dilute aqueous alkaline solution.

2,567,836

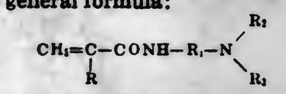
POLYMERS OF QUATERNARIZED ACRYLAMIDO COMPOUNDS AS ANION EXCHANGE RESINS

John A. Anthes, Bridgeville, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 23, 1949, Serial No. 100,968

8 Claims. (Cl. 260—89.7)

1. An anion active resin suitable for the exchange of anions in, and the removal of anions from, liquid media which is a water-insoluble polymer of a compound obtained by quaternarizing with an alkylene dihalide of from 2 to 8 carbon atoms an acrylamido compound having the following general formula:



wherein R is selected from the group consisting of hydrogen and methyl, R_1 is an alkylene radical of from 2 to 8 carbon atoms, and R_2 and R_3 are each an alkyl radical of from 1 to 8 carbon atoms.

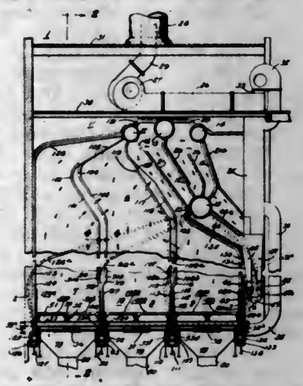
2,567,837

STOKER FURNACE

Joseph S. Bennett, Merion, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 2, 1946, Serial No. 707,425

3 Claims. (Cl. 122—235)



1. In a boiler furnace having front and rear end and side walls defining a combustion chamber, boiler drums extending transversely between said side walls, and boiler tubes in transverse banks connected to said drums and forming with the latter a boiler assembly above said chamber, stoker means forming the bottom wall of said combustion chamber and comprising a plurality of individual sections each extending endwise between said side walls and in side-by-side relation so that the fuel and ash move across the furnace, a fluid cooled screen in the form of an upwardly extending transversely disposed bank of fluid conducting tubes located between each adjoining pair of said stoker sections and connected to said drums, means for feeding fuel to each of said stoker sections through a side wall of the furnace, and means for directing the flow of combustion gases from the said stoker sections laterally through said screens to and over a common path traversing the drums and tubes of the said boiler.

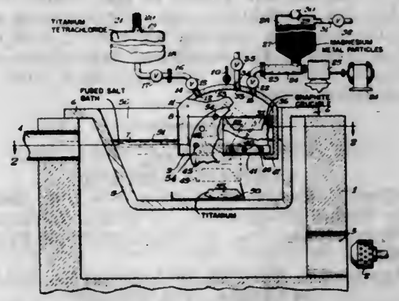
2,567,838

METALLURGICAL APPARATUS

Robert D. Blue, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application November 16, 1949, Serial No. 127,736

3 Claims. (Cl. 266—24)



1. In an apparatus in which to conduct the reducing reaction of metallic magnesium upon titanium tetrachloride vapor at elevated temperature to produce metallic titanium the combination of a vessel adapted to contain titanium tetrachloride vapor at elevated temperature, a first metering means associated with the vessel adapted to introduce solid magnesium into the vessel at a controllable rate, a second metering means associated with the vessel adapted to regulate the rate of introduction of liquid titanium tetrachloride into the vessel, a graphite crucible disposed in the vessel beneath the point of introduction of the magnesium adapted to collect the metallic titanium reduced by the magnesium, and turning means connected with the crucible adapted to invert the crucible.

2,567,839

4 METHOXYPHENYL ESTER OF 4-CHLOROBENZENE SULFONIC ACID

Edgar C. Britton and Harold R. Slagh, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application October 31, 1949, Serial No. 124,733

1 Claim. (Cl. 260—456)

The 4-methoxyphenyl ester of 4-chlorobenzene sulfonic acid.

2,567,840

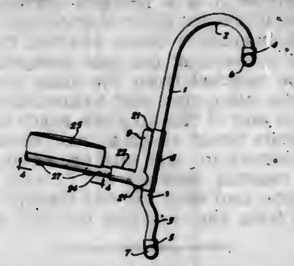
ARMREST FOR AUTOMOBILES AND TRUCKS

Alvin J. Buck, Elkhart, Ind.

Application September 12, 1949, Serial No. 115,299

4 Claims. (Cl. 155—112)

1. An arm rest for passenger automobiles and trucks including a two-piece supporting standard, the upper end of one piece being hooked for engaging over the top edge of a seat back, the lower end of the other piece being offset to extend between the lower end of a seat back and the rear of a seat, T-fittings on the outer ends of said pieces, laterally adjustable bracing bars supported in said T-fittings adapted to extend along the front surface of a seat back, a tubular clamping member for adjustably and telescopically supporting the adjacent inner ends of said pieces of the supporting standard, a tubular clamping barrel formed integrally with and extending parallel to said clamping member, said clamping barrel being formed with inwardly tapering surfaces in its opposite ends, tapered wedging blocks



supported in said clamping barrel in contact with said tapered bearing surfaces and the adjacent ends of the pieces of the supporting standard, means for longitudinally moving said wedging blocks with respect to said clamping barrel for securing the parts of said supporting standard in the desired adjusted position, an arm rest supporting tube supported by said clamping member, and an arm rest adjustably supported on said arm rest supporting tube.

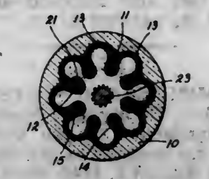
2,567,841

ELECTROLYTIC DEVICE

Joseph B. Brennan, Bratenahl, Ohio, assignor to Everett D. McCurdy, trustee

Application December 29, 1941, Serial No. 424,763, now Patent No. 2,429,987, dated November 4, 1947, which is a division of application Serial No. 218,910, July 13, 1938, now Patent No. 2,267,717, dated December 30, 1941. Divided and this application October 2, 1947, Serial No. 777,499

8 Claims. (Cl. 175—315)



1. An electrolytic device comprising a container having an inner surface of electrolyte-impervious insulating material, a fibrous form disposed within said container and having a spray deposited porous metallic layer thereon constituting one electrode of the device, and another electrode supported within the container, the spray deposited particles securing said fibrous form to the inner surface of said container.

2,567,842

METHOD OF PREPARING GLYCIDYL ESTER

John G. Erickson, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 19, 1948, Serial No. 34,141

15 Claims. (Cl. 260—348.6)

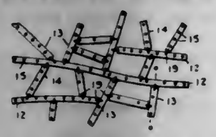
1. The method of preparing a glycidyl ester which comprises effecting dehydrohalogenation

of (1) a compound represented by the general formula

$$R-COOCH_2-CH(OH)-CH_2X$$

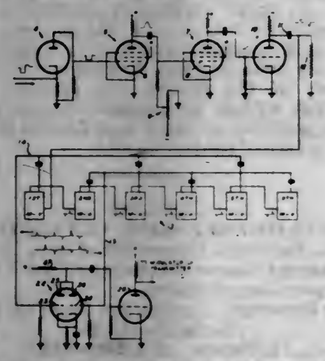
where R represents a monovalent hydrocarbon radical and X represents a halogen selected from the class consisting of chlorine and bromine, the hydrohalide which is split off being represented by HX, where X is a halogen corresponding to that which is present in the compound of (1), said dehydrohalogenation being effected by agitating a mixture containing the said compound of (1), (2) a base selected from the class consisting of alkali-metal alkoxides, and hydroxides of the alkali metals and of the alkaline-earth metals, and (3) a volatile liquid which is inert during the dehydrohalogenation, said mixture being at a temperature ranging between 15° C. and its boiling temperature, and isolating the glycidyl ester that is formed from the resulting reaction mass.

2,567,843
PATTERN FOR MOLDING ORNAMENTAL PLASTIC VENEER
Francis J. Gedminas, Philadelphia, Pa.
Application May 19, 1949, Serial No. 94,208
3 Claims. (Cl. 25—118)



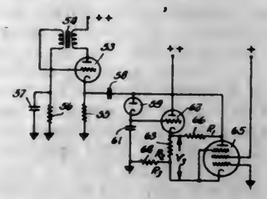
1. A pattern for producing a plastic veneer simulating units having mortar joints comprising generally longitudinal pattern strips provided in their outer faces with longitudinally spaced openings, transverse pattern strips arranged between the generally longitudinal pattern strips and provided in their outer faces with spaced openings, and U-shaped connecting staples including spaced legs journaled in selected openings of the generally longitudinal and transverse pattern strips, the staples having outer ends connecting the legs and disposed adjacent to the outer faces of the pattern strips.

2,567,844
COMMUNICATION SYSTEM
Serge E. Golian, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,658
8 Claims. (Cl. 177—380)



1. In a radio automatic responder station, a plurality of single-stroke multivibrators serially connected, each of said multivibrators being independently adjustable, means for receiving radiant energy pulses of varying pulse-width, means for deriving, from said pulses of varying pulse-width, pulses all of the same polarity, a pulse-width discriminator to eliminate pulses of less than a predetermined width, means for impressing the pulses all of the same polarity onto said pulse-width discriminator, means for deriving further signals from the output of said pulse-width discriminator which are substantially a derivative of said output thereof, means to initially trigger one of said multivibrators with the further derived signals, means to successively trigger each of said multivibrators in the serial connection after the initial triggering, means for differentiating the output of each multivibrator, means for combining said differentiated multivibrator outputs, modulating means, and means for impressing the combined derivatives of the outputs from said multivibrators onto said modulating means.

2,567,845
COUNTER CIRCUIT
Clifford C. Hoagland, Jenkintown, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application April 12, 1945, Serial No. 588,031
14 Claims. (Cl. 250—27)

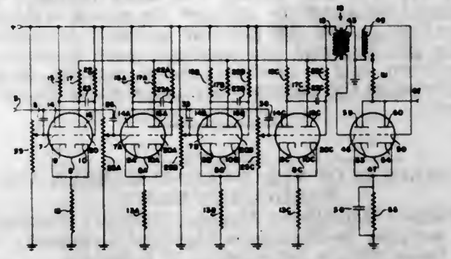


1. The combination comprising a source of periodic peaked voltage, an energy storage circuit including a capacitor and a diode vaccum tube connected in series, means connecting the anode of said diode vacuum tube to said source of voltage, a rapid discharging circuit for said capacitor including a grid-controlled gas filled tube, a cathode follower tube having its input electrode connected to the cathode of said diode vacuum tube, a vacuum tube arranged to be energized from said cathode follower tube for developing a potential substantially equal to the potential appearing across said capacitor, and means for applying the former potential to the anode of said diode vacuum tube.

2,567,846
PULSE CODING CIRCUIT
Andrew B. Jacobsen, Somerville, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,308
9 Claims. (Cl. 177—380)

1. An electrical voltage pulse generating and coding circuit comprising in combination a plurality of multivibrator pulse generators, means for triggering at least a portion of said multivibrators by an externally generated trigger voltage, means for causing another portion of said multivibrators to be triggered by at least one of the externally triggered multivibrators, a transformer having a primary winding and two secondary windings, said primary winding being common to one of the plate circuits of at least a

part of said multivibrators, an output means, and means for connecting the secondary windings of said transformer to said output means



so that the short pulses of voltage induced in said secondary windings due to sharp changes in current in said primary winding are impressed on said output means.

2,567,847
PREPARATION OF SUBSTITUTED MELAMINES
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 20, 1946, Serial No. 698,397
6 Claims. (Cl. 260—249.5)

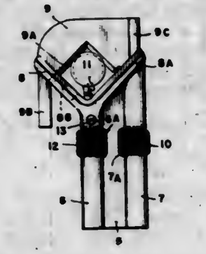
1. The process which comprises heating substantially equimolar amounts of a member of the group consisting of dicyandiamide, 1-alkyl dicyandiamides, and 1-aryl dicyandiamides with a substituted cyanamide carrying a substituent of the group consisting of aliphatic hydrocarbon, aryl hydrocarbon and morpholino radicals in the presence of a basic catalyst, the reaction being conducted in the presence of a water-miscible hydroxylated solvent, and separating from the reaction mixture the corresponding substituted melamine.

2,567,848
ALKYLATION OF PHENOLIC COMPOUNDS WITH OLEFINS
Eduard C. Kooyman, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 30, 1948, Serial No. 41,722. In the Netherlands August 1, 1947
2 Claims. (Cl. 260—624)

1. A process for the production of dialkyl phenols which comprises suspending zinc oxide in phenol, heating the suspension to a reaction temperature between 60° C. and 180° C., gradually adding to the suspension dry hydrochloric acid gas and cracked wax olefins having from 14 to 18 carbon atoms per molecule, the amount of said zinc oxide being between 0.2% and 2% by weight of said phenol and olefin, and the amount of olefin being in molecular excess with respect to the phenol, whereby dialkyl phenol is produced to the substantial exclusion of trialkyl phenol.

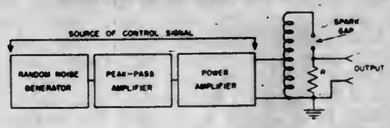
2,567,849
RETHREADING TOOL
Roderick Le Bron and William R. Heck, Omaha, Nebr.
Application March 4, 1946, Serial No. 651,861
2 Claims. (Cl. 10—1)

1. A rethreading tool comprising a body portion having a pair of sockets of different lengths at its side edges, a pair of guide arms extending laterally and upwardly from the top of the shorter socket, one of said guide arms extending to and forming the upper portion of the longer socket and the other guide arm extending laterally beyond said body portion on the side of the shorter socket, the latter guide arm being slotted from its free upper extremity to a point adjacent said shorter socket, said guide arms being apertured adjacent their junction in alignment with said shorter socket and the first-mentioned guide arm being apertured in alignment with said longer



socket, a cutter adjustably mounted in said shorter socket and extending upwardly beyond said guide arms, and a bolt thread engaging member adjustably mounted in and extending above said longer socket and having a depending guide portion extending through said slot in the second-mentioned guide arm, said thread engaging member having angularly disposed bevelled portions adapted to enter the threads of a bolt being chased at spaced points remote from the point of contact of said cutter with such bolt.

2,567,850
PULSE GENERATOR
Joseph C. R. Licklider, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development
Application April 30, 1946, Serial No. 665,999
2 Claims. (Cl. 250—37)

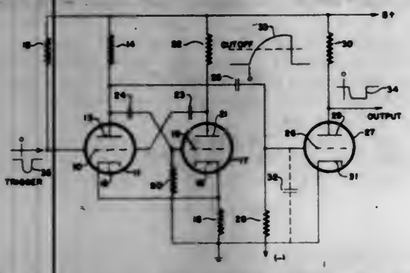


1. Means for producing sharp pulses of radio frequency electrical power comprising a source of random control signals having an output circuit, said output circuit comprising a spark gap and resistor in series connection; and means across said resistor for utilizing pulses produced across said resistor.

2,567,851
PULSE-BLOCKING CIRCUIT
Harry J. Lipkin, Dorchester, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 1, 1945, Serial No. 608,315
5 Claims. (Cl. 250—27)

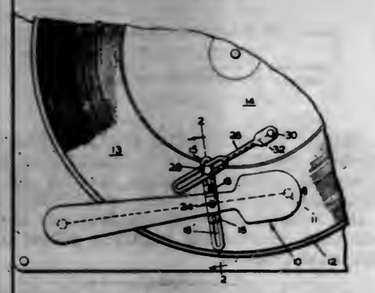
1. A pulse-blocking circuit comprising a quiescently-conducting first vacuum tube having a cathode, anode, and at least one grid, the grid of said first vacuum tube being coupled to a point of positive potential; a second vacuum tube having a cathode, anode, and at least one grid, cathode-coupled to said first vacuum tube, whereby said second vacuum tube is quiescently cut off; a first capacitance means coupling the

plate of said first vacuum tube to the grid of said second vacuum tube; a second capacitance means coupling the plate of said second vacuum tube to the grid of said first vacuum tube; means coupled to said first vacuum tube, for applying a first pulse from a source external to said circuit onto said circuit, whereby said first vacuum tube becomes cut off for a period of time and said second vacuum tube becomes conductive for substantially the same period of time, whereby a positive second pulse is formed at the plate of



said first vacuum tube; a third vacuum tube having a cathode, anode, and at least one grid, coupled to the plate of said first vacuum tube, the grid of said third vacuum tube being connected to a point of negative potential, whereby said third vacuum tube is cut off in the absence of a first pulse; a third capacitance means connected between the input of said third vacuum tube and ground; whereby a third pulse is formed at the output of said third vacuum tube and the formation of said third pulse is delayed a period of time from the formation of said first pulse.

2,567,852
RECORDING AND REPRODUCING TONE ARM ATTACHMENT
Valentin Morales, Los Angeles, Calif.
Application October 22, 1947, Serial No. 781,399
2 Claims. (Cl. 274—24)



1. As an attachment to a record disk recording and tone arm, an auxiliary needle carrying device comprising a relatively long flat bar adapted to be positioned across a tone arm, said flat bar having a slot formed longitudinally therein, clamping means carried by said bar comprising a two part unit in which each of said parts has a bottom portion positioned upon said bar and a top portion spaced from the bar, the said top portions of the unit being in overlapping relation and one thereof having a longitudinal slot therein, a set screw carried by the other one of the said top portions for extension through the last mentioned slot for engagement with the top of the tone arm, one of the two portions of the clamping unit being connected to said flat bar for longitudinal adjustment thereon, an auxiliary arm having a longitudinal slot therein, adjacent to one end, the said slot of the auxiliary arm overlying the slotted portion of the flat bar, means extending through the slot of the auxiliary arm and the adjacent slotted portion of the flat bar for adjustably securing the flat bar and the auxiliary arm in working relation, and a needle carrying pick up means carried by the auxiliary arm adjacent to its other end.

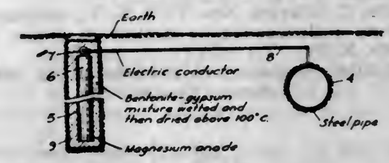
2,567,853
PROCESS OF VULCANIZING RUBBER AND PRODUCT THEREOF
William McGillivray Morgan, Oswestry, England, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 16, 1949, Serial No. 133,485. In Great Britain December 21, 1948
14 Claims. (Cl. 260—782)

1. A process of vulcanizing a rubber which comprises heating the rubber containing sulfur and an organic accelerator in the presence of a small amount of a vulcanization retarder selected from the group consisting of aliphatic hydrogen sulfates containing at least eight but not more than eighteen carbon atoms and zinc, calcium and aluminum salts thereof.

2,567,854
PRODUCTION OF ALKYL AROMATIC SULFONIC ACIDS AND THEIR SALTS
Ivor G. Nixon, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 26, 1948, Serial No. 29,415. In the Netherlands May 30, 1947
5 Claims. (Cl. 260—505)

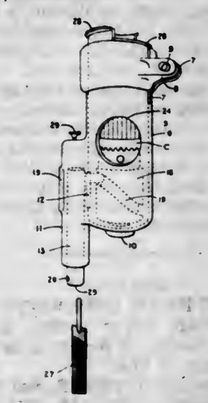
1. A process for manufacturing water-soluble salts of alkyl aromatic sulfonic acids having detergent and wetting properties, which comprises alkylating a monocyclic aromatic hydrocarbon by reaction with a fraction of petroleum cracking products containing 15% to 30% of alkenes in admixture with branched chain and cyclic hydrocarbons, which fraction has a boiling range between the maximum boiling range of said aromatic hydrocarbon and the minimum boiling range of the alkylation products of said aromatic hydrocarbon with said alkenes, said reaction being effected at 0° C. to 10° C. in the presence of 0.8 to 1.2 volumes of sulfuric acid of 85% to 92% concentration per volume of hydrocarbon while maintaining a molar ratio of said aromatic hydrocarbon to said alkenes of 5:1 to 100:1, contacting the hydrocarbon phase of the reacted mixture with an aqueous inorganic base at 150° C. to 160° C., fractionating the thus treated hydrocarbons to separate the unreacted excess of said aromatic hydrocarbon and other hydrocarbons boiling below the minimum boiling temperature of the alkylation products, removing from the alkyl aromatic hydrocarbons obtained non-aromatic hydrocarbons of the same boiling range by extraction with a solvent having a preferential solubility for aromatic hydrocarbons in the presence of paraffins, sulfonating the separated alkyl aromatic hydrocarbons by reaction in two stages with sulfuric acid, having a concentration of 97% to 100% in the first stage and 5% to 30% oleum in the second stage, at a temperature of 20° C. to 50° C., separating unsulfonated hydrocarbons from the product, and neutralising the alkyl aromatic sulfonic acids thus obtained with an aqueous solution of a base at a temperature of 80° C. to 100° C. and a pH of 7 to 7.5.

2,567,855
RAPID-WETTING BENTONITE-CALCIUM SULFATE BACKFILL FOR CATHODIC PROTECTION
Clarence A. Pippin, Melvin O. Robinson, and Wallis R. Bennett, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application July 9, 1947, Serial No. 759,892
11 Claims. (Cl. 204—197)



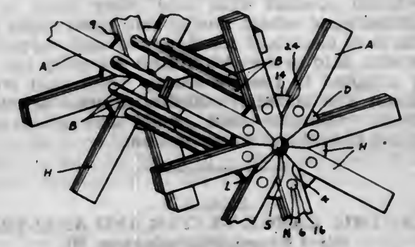
1. The method of forming a rapid-wetting backfill for use in cathodic protection which comprises blending together one part by weight of finely divided bentonite, from 0.25 to 4 parts of finely-divided calcium sulfate, and water, and thereafter drying the blend at a temperature above 100° C. but below 600° C.

2,567,856
ATTACHMENT FOR THE SPINDLE HOUSINGS OF DRILL PRESSES
Joseph G. Polk, Freeport, N. Y.; Helen R. Polk administratrix of said Joseph G. Polk, deceased
Application September 8, 1948, Serial No. 48,165
1 Claim. (Cl. 29—76)



An attachment for use in conjunction with a drill press having a spindle housing, chuck and spindle shaft bearings, said attachment comprising a casing having a housing and an adjunct extension, with a registering slot therebetween, said housing open at the top and closed at the bottom, having an opening in one side thereof, a longitudinal slit at its upper portion with complemental ears and adjusting set screw, a cam of substantially less diameter than the inner diameter of the housing within the housing, said cam having a continuous peripherally and angularly disposed groove and a centrally positioned rod with an upper extending cam stem and protruding nub at the bottom, said rod, cam stem and nub slidably and removably mounted in the cam, said adjunct extension centrally bored to slidably receive a reciprocating rod having a tool receiving socket at the bottom thereof and mounting a tool therein, the upper portion of the last mentioned rod threaded to receive a laterally extending dog and enveloping roller, said roller adapted to slidably engage the cam groove, said open top of the housing with the chuck registering with the opening in the attachment adapted to fit over the spindle housing, the cam stem of the attachment adapted to be received in and engaged directly by the said chuck of the drill press without the removal of the chuck from the drill press, whereby upon tightening of the chuck through the opening in the housing and tightening the housing on the drill press and energizing the drill press, said cam rotates on the chuck and spindle bearings of the drill press free of the walls of the housing to impart movement to the reciprocating rod by the engagement of the dog of the rod with the continuous and angularly disposed groove of the cam.

2,567,857
REEL
John H. Proctor, East Berkshire, Vt.
Application May 5, 1947, Serial No. 745,992
1 Claim. (Cl. 242—118)

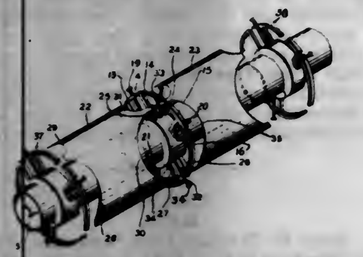


The combination in a reel; of two reel heads each having arms each with an inside arm slot to receive a centrally disposed plywood disk through which and through the arms are a plurality of truncated conical pin head holes arranged in a circle each hole with its large end outside; with a barrel made up of a plurality of bars so assembled as to form a skeleton cylinder, each bar having an axial bar pin shank hole at each end, each such hole registering with one of the pin head holes through a disk and an arm in each head; and wooden pins each including a shank with glue recesses and a truncated conical head of substantially the size of a truncated conical pin hole in a head, such recesses being filled to overflowing with an adhesive which extends between the shank and its bar pin shank hole and up between its truncated conical pin head and its pin head hole in a reel.

2,567,858
SCALLOPED PLURAL DIPOLE ANTENNA
Henry J. Riblet and Mac E. Van Valkenburg, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,026
9 Claims. (Cl. 250—33.53)

1. A component of an antenna adapted to be electrically coupled to an enclosed transmission line, comprising two cylindrical metallic shells, each having a plurality of substantially symmetrical scallops formed of arcuate recesses equally spaced around the axis of the shell along one edge thereof, and each having a like number of substantially similar scallops along the other edge of the shell in axial alignment with the scallops along said one edge, a supporting metallic element in electrical contact with each protruding portion of the scallops of said one edge

of each shell, said metallic elements supporting said shells in axial alignment with said protruding portions of said one edge of one of said shells near to and in axial alignment with said one edge of the other of said shells, said supporting elements of said one shell being in electrical contact with the outer surface of said transmission line, and a plurality of probes each being in



electrical contact with said other shell in the neighborhood where one of said protruding portions is in electrical contact with said supporting element, said probes extending inwardly and being adapted to receive energy from said transmission line through suitably aligned apertures therein, whereby said shells are electrically coupled to said transmission line.

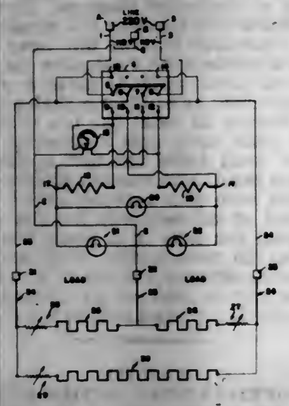
2,567,859

ELECTRIC RANGE TESTER AND ANALYZER

Atlee Ringo, Bloomington, Ill.

Application February 21, 1946, Serial No. 649,256

2 Claims. (Cl. 175—183)



1. In a testing appliance for testing circuit conditions in an electrical range supplied by a three-wire supply line having a neutral conductor between the two outer conductors and provided with at least a pair of electrical load elements respectively connected between the neutral conductor of the load circuit and the two outer conductors of load circuit, including switch means to respectively connect the conductors of the supply line to the corresponding conductors of the load circuit, a pair of electrically actuated visual indicating devices connected between the neutral conductor of the load circuit and points on each of the load conductors adjacent to the switch means, and a pair of resistors respectively connected in the two outer conductors of the load circuit between the switch means and the points of connection of said visual indicating means, whereby actuation of the switch means will give a visual indication of the condition of the load elements and the load conductors beyond said points of connection.

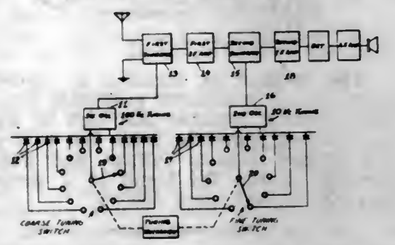
2,567,860

TUNING MECHANISM FOR SUPERHETERODYNE RADIO RECEIVERS OF THE STEP-TUNED TYPE

Lazarus C. Shapiro, New York, N. Y., assignor, by mesne assignments, to Arthur A. Glass, New York, N. Y.

Application November 18, 1946, Serial No. 710,425

4 Claims. (Cl. 250—20)



2. In a step-tuned superheterodyne receiver of the type having a coarse step local oscillator and a fine step local oscillator, the combination comprising coarse step frequency selector means controllingly associated with the coarse step local oscillator, a coarse step indicator coupled with said coarse step selector means, fine step frequency selector means controllingly associated with the fine step local oscillator, a fine step indicator coupled with said fine step selector means and mounted concentrically with respect to said coarse step indicator, mechanical means intermittently coupling said coarse step selector means with said fine step selector means, and a single control element mounted concentrically with said indicators and drivingly connected to said mechanical means, whereby both the coarse step selector means and the fine step selector means may at times be simultaneously operated by said single control element.

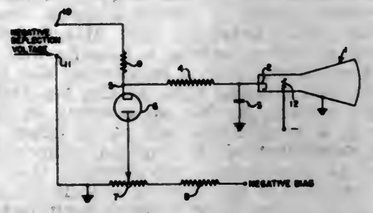
2,567,861

CATHODE-RAY BEAM INTENSITY CONTROL

Robert M. Silliman, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of War

Application January 7, 1946, Serial No. 639,649

3 Claims. (Cl. 315—22)



1. In a cathode ray oscilloscope, a cathode ray tube having a cathode and a grid, a point of reference potential, a capacitor connecting the cathode of said cathode ray tube to said point of reference potential, a source of negative potential, a vacuum tube having a cathode and an anode, a potentiometer having a first terminal connected to said point of reference potential, a second terminal electrically connected to said source of negative potential and the movable contact electrically connected to the anode of said vacuum tube, resistor means electrically connecting the cathode of said cathode ray tube to the cathode of said vacuum tube and means including a resistor for applying a negative sweep signal to the cathode of said vacuum tube whereby the potential on the cathode of the cathode ray tube will be controlled by said sweep voltage.

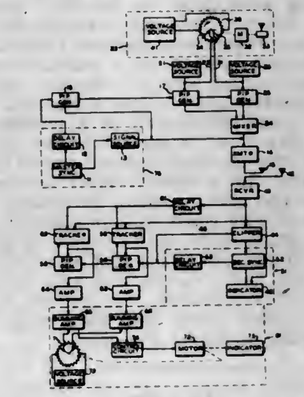
2,567,862

COMMUNICATION SYSTEM

Stanley N. Van Voorhis, Rochester, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application May 17, 1945, Serial No. 594,258

7 Claims. (Cl. 177—351)



6. A communication system comprising a source of a series of reference pulses; a first plurality of sources of variable voltages; means responsive to said plurality of variable voltages for deriving a like plurality of series of pulses from said series of reference pulses, wherein a first of said plurality of series of derived pulses is position modulated relative to said series of reference pulses in accordance with a first of said plurality of variable voltages, a second of said plurality of series of derived pulses is position modulated relative to said first series of derived pulses in accordance with a second of said plurality of variable voltages, and in a like manner each of the other series of said plurality of derived pulses is position modulated relative to the preceding series of derived pulses in accordance with a respective one of said plurality of variable voltages; means for transmitting and means for receiving said series of reference pulses and said plurality of series of derived pulses; and means responsive to said received series of reference pulses and each of said plurality of received series of derived pulses for producing a like plurality of voltages varying respectively in accordance with each of said first plurality of variable voltages.

2,567,863

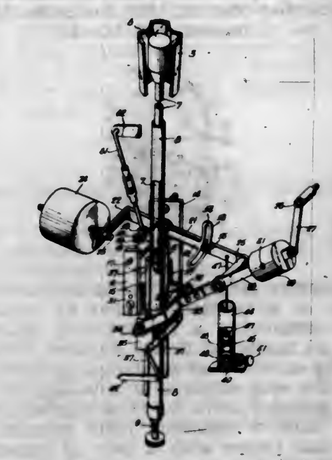
MAGNETIC COUPLING DEVICE

Andrew Varga, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 15, 1948, Serial No. 49,381

13 Claims. (Cl. 172—284)

1. In a magnetic coupling a pair of bar magnets arranged in magnetically coupled parallel relation, and transmission means including an element operatively connected to one of said magnets, said magnets being free for movements in parallel paths and in said parallel relation,



said transmission element consisting of a floating lever with means for supporting the lever so that the point of connection thereof with the magnet is constrained to move in a path paralleling the path of movement of the first magnet.

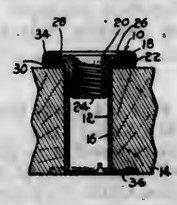
2,567,864

FLANGED NUT ASSEMBLY

Philip D. Becker, Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application April 19, 1949, Serial No. 88,417

1 Claim. (Cl. 151—33)



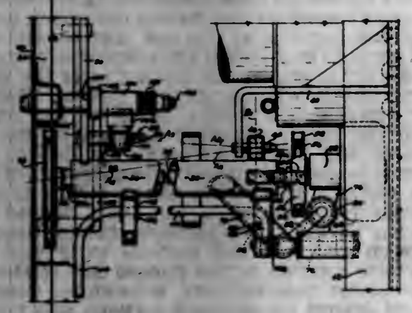
A nut assembly for use with an apertured support, said nut assembly comprising an elongated hollow tubular member adapted to extend through a support aperture and having outwardly turned split end portions at one end thereof, and split end portions at the other end adapted to be turned outwardly to engage the support after the sleeve is inserted through the aperture thereof, a flanged nut comprising a hollow shank of less length than the tubular member disposed in one end thereof and having an outwardly flanged end portion seated against said outwardly turned split end portions, said hollow shank having threads therein for engaging a bolt, said flanged end portion having raised portions thereon disposed between said split end portions to prevent appreciable rotation of the flanged nut relative to the tubular member, and a retaining member seated against the split end portions, said retaining member having an outer edge portion curled over the outer edge of said flanged end portion to retain the flanged nut and tubular member in assembly.

2,567,865
FURNITURE GLIDE
Philip D. Becker, Hingham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application May 13, 1949, Serial No. 93,089
2 Claims. (Cl. 16—42)



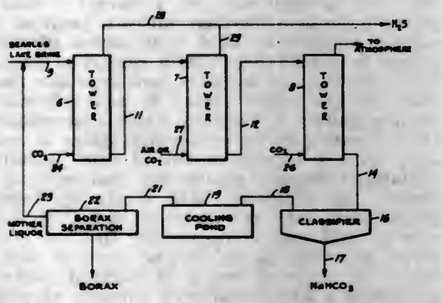
1. A closure member adapted for insertion into the end of a tubular member of square cross section comprising a substantially square base having an upturned flange disposed around the periphery of said base providing surfaces for engaging the end edges of a substantially square tubular member and a substantially square recess in said base, a retaining plate member fitting within said recess with a pair of opposite side edges disposed adjacent to but spaced from diagonally opposite corners of said recess, integral tongues extending from the end edges of said upturned flange at substantially the centers of the sides of said square and overlying said retaining plate for retaining it in said recess, and a tube-engaging member comprising a U-shaped sheet metal spring member having the bight of the U extending upwardly from the base, the plane of the U being disposed on a diagonal of said base, and the arms of the U being shaped and arranged to cause the side edges thereof to engage the inner surface of a square tubular member near diagonally opposite corners with the width of the arms extending across the corner, the free ends of said arms having means engaging said retaining plate on opposite sides along said pair of opposite side edges.

2,567,866
DRIVING MECHANISM FOR CAR ACCESSORIES
Paul K. Beemer, Inglewood, and Henry O. Fuchs, Los Angeles, Calif., assignors to Preco Incorporated, Los Angeles, Calif., a corporation of California
Application May 24, 1948, Serial No. 28,778
19 Claims. (Cl. 105—112)



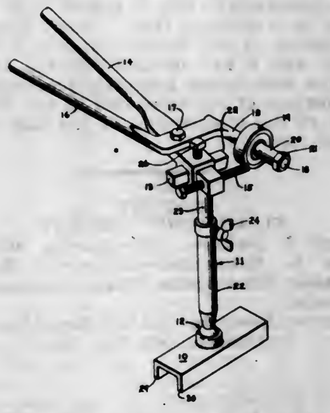
1. Driving mechanism for an accessory carried by the body of a car structure which has a running gear element affording a driving drum, the accessory having an operating shaft; said driving mechanism including a driving shaft; shaft carrying structure on which the driving shaft is carried in a position spaced from the accessory shaft in a direction lateral of the driving shaft, said shaft carrying structure including journals carrying the driving shaft near its respective ends, means for mounting one of the journals on the car body for rotation about an axis longitudinal of the driving shaft and for swinging motion, independently of said rotation, about an axis which is transverse of the longitudinal axis and transverse of the direction of the spacing of the two shafts, whereby the other end of the shaft may swing about said transverse axis in directions toward and from the accessory shaft, and including also means for restricting the other one of the journals to movement in directions toward and from the accessory shaft; means for transmitting power from the running gear drum to the first mentioned end of the driving shaft, said transmission means including a transmission element carried by the first mentioned journal in a position eccentric of the longitudinal axis of rotation and being rendered effective by rotation of the said journal about the longitudinal axis in a predetermined actuating direction; a second power transmission acting between the swinging end of the driving shaft and the accessory shaft and rendered effective by the said swinging movement of that end of the driving shaft in a predetermined actuating direction about said transverse axis; and means tending to rotate the first mentioned journal about the said longitudinal axis in said actuating rotative direction and tending to swing the driving shaft about said transverse axis in said actuating swinging direction.

2,567,867
PROCESS FOR DESULFURIZING OF SEARLES LAKE BRINE
Lynn A. Blackmun, Westend, Calif., assignor to West End Chemical Company, a corporation of California
Application October 4, 1946, Serial No. 701,219
3 Claims. (Cl. 23—40)



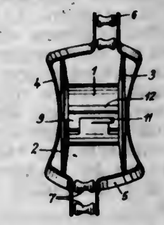
1. A process for treatment of raw Searles Lake brine as derived from the lake and containing at least 0.02% metallic sulfides and having a pH of about 10 consisting in carbonating the raw lake brine to lower the pH thereof to about 9, said carbonation being insufficient to produce a precipitation of sodium bicarbonate in the brine, and then passing a gas selected from the group consisting of carbon dioxide and air through the brine to sweep out hydrogen sulfide substantially completely.

2,567,868
TOOL FOR SHARPENING AGRICULTURAL IMPLEMENTS
Walter A. Bodge, Portis, Kans., assignor to Harmon Machine Company, Inc., Wichita, Kans., a corporation of Kansas
Application March 16, 1950, Serial No. 149,969
9 Claims. (Cl. 76—82)



1. A tool for sharpening a disc of an agricultural implement during rotation of said disc, comprising: a base; an upright standard mounted thereon; a laterally extending handle mounted rigidly on the upper end of the standard; a disc sharpening element mounted adjustably but rigidly on the upper end of the standard; a second handle disposed in cooperative scissors relation with the first mentioned handle and pivotally connected thereto; and a roller or small wheel rotatably mounted on the remote end of said second handle and adapted to contact and urge a disc into positive engagement with the sharpening element when the handles are moved toward each other.

2,567,869
REEL FOR WINDING TELEPHONE CORDS
Erik Björn Böttger, Fredrikstad, Norway
Application August 31, 1949, Serial No. 113,374
In Norway October 29, 1948
2 Claims. (Cl. 242—77)



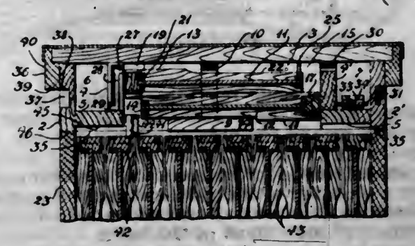
1. A winding reel comprising a cylinder having flanges secured to the ends thereof, and having a pair of spaced apart longitudinally extending parallel edges and a pair of spaced apart circumferentially extending parallel edges defining a peripheral space, a tongue attached to one of said longitudinal edges and circumferentially extending into spaced proximity with the other longitudinal edge, a tab longitudinally extending from a side of said tongue, in the plane of such tongue, into spaced proximity with one of said circumferential edges, a pair of bails each secured at their median portions to the opposite ends of the cylinder at the outer side of the flanges and extending transversely of the axis of the cylinder beyond the periphery of the flanges, the respective adjacent ends of such bails mounting pairs of rollers, each of such pairs of rollers which are of a length shorter than the cylinder length being disposed with their axes parallel to the cylinder axis and being transversely aligned with one of the peripheral spaces which are formed between a side of the tongue and the adjacent circumferential edge of the cylinder.

2,567,870
SWITCH FOR ELECTRICAL MUSICAL INSTRUMENTS
Rudolph T. Bozak and Serge L. Krauss, Elkhart, Ind., assignors to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application September 7, 1946, Serial No. 695,520
3 Claims. (Cl. 200—1)



3. A switch construction comprising an insulating support, a plurality of contact strips carried by the support and extending outward therefrom, insulating means connecting the contacts for simultaneous movement parallel to the length of the support, a rotatable contact rod adjacent each of the strips having a projection thereon to engage the adjacent strip when the strips are moved in one direction, means selectively to rotate the rods to move the projections into or out of the paths of travel of the strips, and means for simultaneously moving the strips in said one direction.

2,567,871
BEE FEEDER
Aylmer V. Briercliffe, Dugald, Manitoba, Canada
Application February 3, 1947, Serial No. 726,121
5 Claims. (Cl. 6—5)

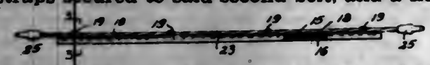


1. A bee-feeder designed to overlie the standard hive-body or super, said feeder comprising a shallow open frame, and means on said frame for supporting at least one bee-feeding comb and comb-frame horizontally therewithin for the purpose specified.

2,567,872
TREE ENGAGING DEVICE FOR TREE SHAKING APPARATUS
Roscoe E. Burke, San Jose, Calif.
Application November 22, 1948, Serial No. 61,396
2 Claims. (Cl. 56—328)

1. A tree engaging device for tree shaking apparatus comprising a canvas belt, a padding of

resilient material bonded to said belt, a second canvas belt secured to said first belt, a plurality of straps secured to said second belt, and a flex-



ible cable held in position on said second belt by said straps for securing the tree engaging device to the tree shaking apparatus.

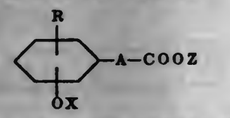
2,567,873

HYDROXYL- AND ALKOXYL-SUBSTITUTED CYCLOALKYLPHENYL ALIPHATIC ACIDS AND THE PRODUCTION THEREOF

Robert R. Burtner, Skokie, Ill., assignor to G. D. Searle & Co., Chicago, Ill., a corporation of Illinois

No Drawing. Application June 29, 1949, Serial No. 102,169
12 Claims. (Cl. 260—520)

1. A compound of the formula



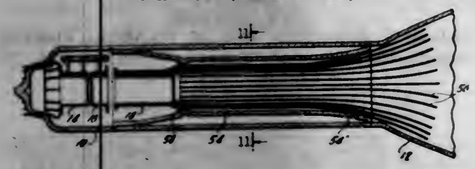
wherein R is a cyclohexyl radical, X is a member of the group consisting of hydrogen and lower alkyl radicals, A is a bivalent aliphatic hydrocarbon radical selected from the group consisting of ethylene and vinylene radicals and Z is a member of the group consisting of hydrogen and one equivalent of a cation.

2,567,874

CATHODE-RAY TUBE

John M. Cage, Montclair, N. J., assignor to Cage Projects, Inc., Union City, N. J., a corporation of New Jersey

Application August 28, 1948, Serial No. 46,585
7 Claims. (Cl. 313—85)



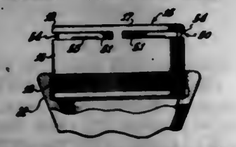
1. In a cathode ray tube a gun structure enclosed within the evacuated tube envelope comprising means for generating an electron beam, means for controlling and focusing the beam and a second anode for accelerating the beam including a plurality of individual elongated conductive elements extending from said anode in the direction of movement of the beam.

2,567,875

MICROPHONE SOUND PASSAGE STRUCTURE

George L. Carrington, Encino, Calif.

Application February 24, 1950, Serial No. 146,075
5 Claims. (Cl. 179—111)



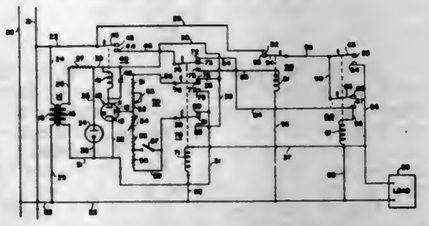
1. In a microphone of the type which includes a vibratory diaphragm and case wall structure forming an enclosing side wall and an end closure wall, the diaphragm being peripherally supported within the case in spaced and generally parallel relation to the end wall and forming therewith a sound chamber, the case wall being formed with sound apertures which permit fluid flow between the said sound chamber and the region surrounding the case; the improvement which is characterized by the fact that the end closure wall is substantially flat, is spaced from the diaphragm by a distance that is small compared to the diameter of the diaphragm, and forms with the side wall a well-defined external case edge, all of the said sound apertures piercing the exterior surface of the case wall in the immediate vicinity of the intersection of the side wall and the end wall.

2,567,876

ELECTRONIC CIRCUIT

Lawrence J. Dahline, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application December 9, 1948, Serial No. 64,348
14 Claims. (Cl. 175—320)



1. In combination: a condition responsive device connected across a source of alternating voltage; electron discharge means connected across the source of alternating voltage; a controlled circuit; means operatively connecting said discharge means to said controlled circuit to control the energization thereof; input circuit means operatively connecting said condition responsive device to said discharge means so that upon the condition affecting the condition responsive device assuming a first predetermined value the discharge means is so energized as to connect said controlled circuit across the source of alternating voltage for energization of said controlled circuit; means effective, upon energization of said discharge means, to cause deenergization of said discharge means while retaining said controlled circuit in the energized condition independently of the deenergization of said discharge means; and means effective, upon said controlled circuit being energized and the condition controlling said condition responsive device assuming a second predetermined value, to cause said discharge means to be so energized as to deenergize both said controlled circuit and said discharge means.

2,567,877

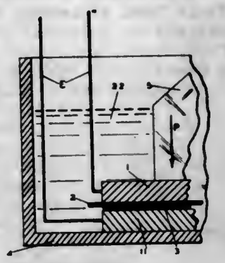
ELECTROCHEMICAL BONDING OF ALUMINUM WITH OTHER MATERIALS

Jack De Ment, Portland, Oreg.

Application July 11, 1947, Serial No. 760,331
3 Claims. (Cl. 204—16)

1. The method of attaching an inert material having a penetrable surface into which anodic aluminum oxide can grow and interlock to an aluminum base which comprises placing the inert material in contact with the said aluminum base,

immersing the inert material in contact with the aluminum base in an aqueous electrolyte, applying pressure on the said material and rigidly supporting the said aluminum base, said pressure being sufficient to prevent the displacement of the inert material from the aluminum base, placing an electrode member in the said elec-



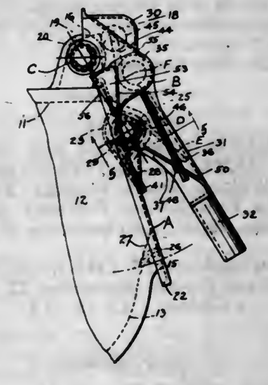
trolyte, making the aluminum base the anode and the said electrode member the cathode of an electric circuit, electrically forming an aluminum oxide growth on said aluminum base, and continuing the electrical formation of the said aluminum oxide growth until the said inert material is attached to the aluminum base by growth of anodic oxide therebetween.

2,567,878

JOURNAL BOX LID

George B. Dorey, Westmount, Quebec, Canada

Substituted for abandoned application Serial No. 227,949, September 1, 1938. This application April 26, 1949, Serial No. 89,781
7 Claims. (Cl. 308—47)



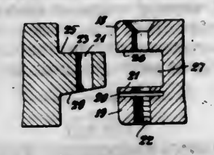
1. In a journal box having an opening, a lid assembly for the opening including a lever pivoted to the box adjacent an edge of the opening and a lid proper having a forked swinging edge for interlocking with the edge of the opening opposite to the pivotal axis of the lever; said lid and lever being pivotally united at a location intermediate the pivotal axis of the lever and the forked end of the lid to present a knee joint structure, said lever being extended beyond the axis of the knee joint pivot to form an operating handle for the operation of the lid through a turning movement of the lever, said lid being arranged to have a fulcruming movement around its forked end in moving in and out of interlocking engagement with the edge of the box.

2,567,879

SPECTACLE FRAME HINGE

Thomas J. Fox, Brooklyn, N. Y.

Application September 23, 1949, Serial No. 117,339
2 Claims. (Cl. 88—53)



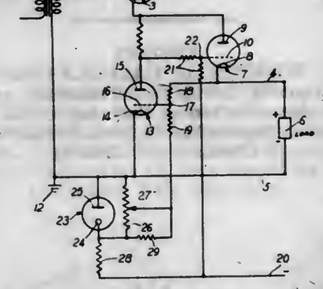
1. In a hinge for spectacle mountings comprising a male member and a female member, said male member having an extending lug, one face of said male extending lug being at right angles, the other face of said male lug being cut to a positive angle other than a right angle, said female member consisting of two outer lugs, one of said outer lugs having near its inner end a slot, said slot being parallel with inner surface of said lug, said slot forming a flexible tongue, said slot being on the end of the female member of said hinge, which receives that part of the male member which is cut to a positive angle, other than a right angle, for the purpose of improving the frictional grip of said male and female members of said hinge.

2,567,880

VOLTAGE REGULATOR

Joseph C. Frommer, Cincinnati, Ohio, assignor to Clippard Instrument Laboratories, Inc., Cincinnati, Ohio, a corporation of Ohio

Application July 5, 1947, Serial No. 759,282
6 Claims. (Cl. 323—38)



1. In a voltage regulator, a D. C. power supply having a positive and a negative terminal, a load circuit including a positive lead and a negative lead connected respectively to the positive side and the negative side of the load, a source of relatively high negative potential with respect to said negative terminal, a preamplifier tube and a power tube having each a cathode, a plate and at least a control grid therebetween, the plate of said power tube being connected to said positive terminal of said power supply and the cathode of this tube to the positive side of the load, whereas the negative side of the load is connected to said negative terminal of said power supply, a voltage divider between the plate of said preamplifier tube and said source of relatively high negative potential having its mid point connected to the control grid of said power tube, a voltage stabilizer having a positive electrode and a negative electrode, a second voltage divider connecting said two electrodes, said positive electrode

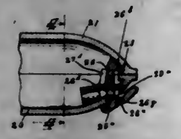
being connected to said negative lead of said load circuit and said negative electrode being at a potential derived from said source of relatively high negative potential, and a third voltage divider between the cathode of said power tube and a point of said second voltage divider connecting said voltage stabilizer electrodes, the mid point of said third voltage divider being connected to the control grid of said preamplifier tube.

2,567,881

CATCH CONSTRUCTION FOR CASES

Clayton Fyfe, Elgin, Ill., assignor to Illinois Watch Case Co., a corporation of Illinois

Application August 15, 1947, Serial No. 768,748
7 Claims. (Cl. 292—128)



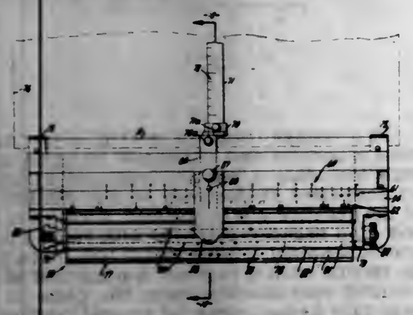
1. A catch construction for holding a closure member latched to a body member, comprising: a catch member insertable through an opening in one of said members and including a finger-engageable portion adapted to be located on the outside of said one member and a catch portion adapted to be located on the inside of said one member, said catch member having said portions thereof rockable about the portion of said one member adjacent said opening; a latch member on the other member and engageable by said catch member; and spring means removably associated with said catch member and urging the catch member toward the latch member for engagement therewith, said spring means including a portion insertable through an opening provided in said catch member and removably retained therein.

2,567,882

GRAPHICAL CALCULATOR

Frank M. Goyan, San Francisco, and Jean Dufrenoy, Berkeley, Calif.

Application September 30, 1948, Serial No. 51,903
5 Claims. (Cl. 235—61)



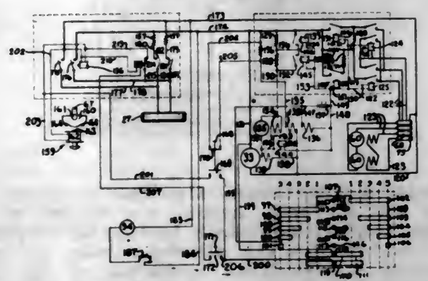
1. A calculating device comprising a frame having a groove formed therein, a sliding scale slidable in said groove, said frame having a parallel scale formed thereon, a vertical scale affixed to said sliding scale and slidable therewith, a pin affixed to said sliding scale and yieldably urged in one direction, and a locating member disposed opposite and adjacent to said pin, said locating member having a plurality of holes formed therein and distributed in accordance with a predetermined pattern, said pin seating in said holes in sequence as said sliding scale is moved so as to locate said vertical scale at a succession of positions corresponding to said pattern.

2,567,883

ELECTRIC MOTOR DRIVEN MATERIAL HANDLING SYSTEM

Donald C. Gray, Rose Township, Ramsey County, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware

Application December 22, 1945, Serial No. 636,791
13 Claims. (Cl. 171—312)



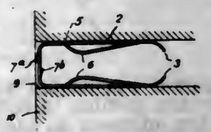
1. In combination, a prime mover, a generator driven thereby, an electric motor, an electromagnet, output leads from said generator for feeding circuits for said motor and electromagnet, a controller adapted to be advanced step by step from a neutral position to different operative positions to cause circuits for transmitting power of increasing value to said motor successively to be closed, a contactor for controlling a circuit to include said electro-magnet, a circuit for said contactor, a manually actuable switch for controlling said contactor circuit, and an interlock operable when the contactor is conditioned to cause said electro-magnet circuit to be closed to preclude actuation of the controller to any of said operative positions in advance of a selected operative position.

2,567,884

SHEET METAL FASTENER FOR SECURING MEMBERS TO SUPPORTS

Clarence Willans Heath, Bleasby, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application September 1, 1949, Serial No. 113,636
In Great Britain September 27, 1948
2 Claims. (Cl. 85—2.4)



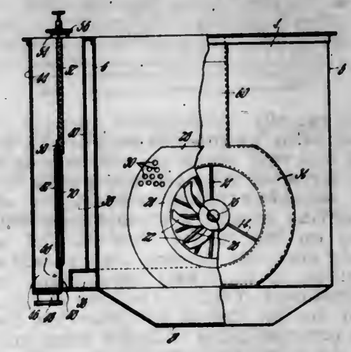
1. A sheet metal fastener adapted to be secured in a recess in a support, said fastener comprising a U-shaped member having a base portion and opposed resilient arm portions extending from opposite sides of said base portion, said base portion having an aperture and thread-engaging portions for receiving a threaded bolt member, the free ends of said arm portions being curved inwardly to facilitate insertion of the member into a recess in a support, each of said arm portions having an elongated aperture extending longitudinally thereof and a resilient tongue formed from the material cut from the arm portion to provide the aperture and extending integrally from the arm portion at the edge of the aperture adjacent the free end of the arm portion, said tongues extending inwardly toward each other to provide intermediate the ends thereof opposed bolt-engaging portions spaced apart a distance less than the diameter of the aperture in the base when the arm portions are disposed in substantially parallel relationship, the free end portions of said tongues being curved outwardly to provide camming surfaces for camming engagement with the end of bolt member and extending through the apertures of said arm portions and having terminal ends adapted to make locking engagement with the walls of the recess in the support in which the fastener is inserted when a threaded bolt member is inserted through the aperture in the base portion and between the arm portions.

2,567,885

CONTINUOUSLY OPERATING PULPER

Dwight E. Jones, Pittsfield, Mass., assignor to E. D. Jones & Sons Company, Pittsfield, Mass., a corporation of Massachusetts

Application August 10, 1949, Serial No. 109,477
2 Claims. (Cl. 92—26)



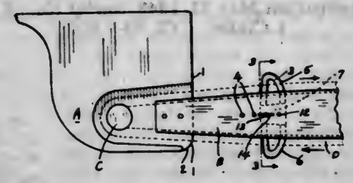
1. A continuously operating pulper comprising in combination, a tank having a bottom wall and side and end walls extending vertically upwardly therefrom, bearings carried by said side walls, and elongated propeller in said tank having a shaft journalled in said bearings for rotation on a horizontal axis, plates on inner sides of said side walls having inwardly extending cutter blades, said side walls provided with a series of spaced apart perforations disposed around the axis of rotation of said propeller and said plates, arms at opposite ends of said propeller cooperating with said blades on rotation of said propeller to act on stock in said tank and force the same through said perforations, walls outside said side walls and one end wall of the tank cooperating with said walls and forming therewith collecting chambers outside the tank and horizontal passages extending therefrom around the sides and end of the tank, said perforations being in communication with said chambers, other walls including an intermediate vertical wall at said one end of the tank cooperating with the tank walls providing a vertically disposed chamber in communication with said passageways and a vertical discharge compartment adjacent thereto and separated therefrom by said vertical wall which has an upper edge terminating below the plane of the upper edges of said other walls and the walls of the tank, and a gate movable up and down in said chamber relative to the said upper edge of said vertical wall, and walls at opposite sides of the tank cooperating with the side walls thereof and with the walls forming the collecting chambers providing conduits extending upwardly from said collecting chambers, upper portions of the side walls adjacent said conduits being disposed downwardly from upper edges of said side walls for the overflow of stock from said tank through said conduits to said collecting chambers.

2,567,886

ADJUSTABLE BUMPER ATTACHMENT FOR CHAIN SAWS

Arthur W. Mall, Flossmoor, and Walter L. Gorden, Chicago, Ill., assignors to Mall Tool Company, Chicago, Ill., a corporation of Illinois

Application September 18, 1944, Serial No. 554,679
1 Claim. (Cl. 143—32)



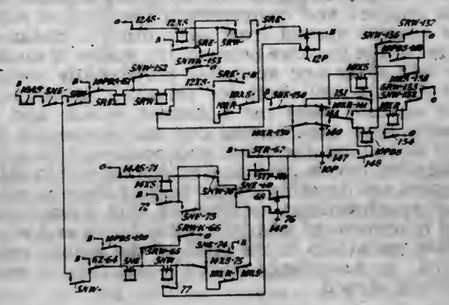
A chain saw machine comprising a power unit, a guide member extending outwardly from the power unit, a cutting chain having driving engagement with the power unit and being trained about the guide member, the guide member being provided with a plurality of perforations spaced in linear relationship from the power unit, a bumper member spaced from the power unit and being adapted to be selectively located over the perforations, and means cooperating with the selected perforations for securing the bumper member in place on the guide member.

2,567,887

ENTRANCE-EXIT ROUTE INTERLOCKING CONTROL APPARATUS

Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

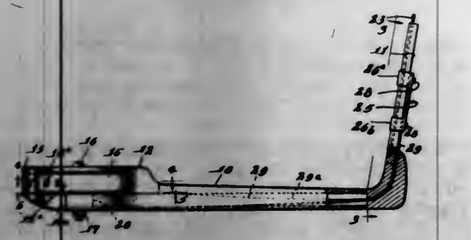
Application September 18, 1946, Serial No. 697,704
18 Claims. (Cl. 246—134)



1. In interlocking control apparatus including a manual control device for each route end of a plurality of interconnected railway track routes, in which energization of a preliminary route selector for each route including a switch selector relay for each switch of the route for the position in which the switch is included in the route is effected by operation of the manual control device for the entrance end of the route, in which energization of an exit stick relay for each route is

effected by operation of the manual control device for the exit end of the route while the preliminary route selector for the same route is energized, the combination comprising, a final route selector for each route each including a second switch selector relay for each switch of the route for the position in which the switch is included in the route, a pick-up circuit for the second switch selector relay for the last switch in each route controlled by a front contact of the exit stick relay for that route in series with a front contact of the first switch selector relay for that switch, and a stick circuit for the second switch selector relay for the last switch in each route controlled by the manual control device for the exit end of the route in its normal position.

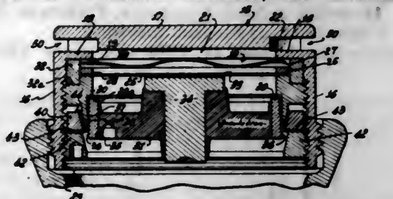
2,567,888
MUSICAL INSTRUMENT
Walter F. Meyers, Maywood, Ill.
Application May 21, 1948, Serial No. 28,504
1 Claim. (Cl. 84—377)



A musical instrument of the character described, comprising: a hollow, elongated support having a portion at one end providing a mouthpiece member and having means at the other end for readily removably holding a sheet of music substantially at a right angle to the axis of said supporting member, the staves on said sheet being horizontal and in position to be viewed by the player when said support is held in playing position; a harmonica rotatably mounted on said support adjacent said mouthpiece member, said harmonica having its mouthpiece formed as a section of a circle and the mouthpiece member of said support admitting air to only a single reed of said harmonica; a drum carried by said harmonica coaxially therewith; an indicating device vertically slidable on said support and comprising a plurality of rubber strands spaced from each other a distance equal to the distance between the staves of music on said sheet and stretched horizontally across the face of said sheet for providing an indication on said sheet for a desired sound; and a flexible steel tape having one end connected to said drum and the other end connected to said indicating device, said tape extending within said support and twisting ninety degrees therein, said tape synchronizing rotation of said harmonica and movement of said indicating device and providing variations in the pitch of the sounds produced in accordance with the position of said resilient strand.

2,567,889
CONDENSER MICROPHONE STRUCTURE
William J. Moreland, Jr., Arcadia, Calif., assignor to George L. Carrington, Encino, Calif., as agent
Application February 24, 1950, Serial No. 146,133
2 Claims. (Cl. 179—111)

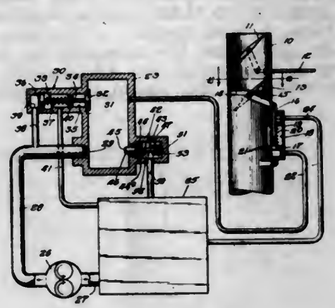
1. Structure for a device such as a microphone including in combination, a case having a side wall of generally cylindric internal formation, an internal and inwardly facing shoulder near one end of the case wall, a mounting ring rigidly mounted within the case and having an inner end surface parallel to and spacedly opposing the case shoulder, a radially unstressed diaphragm peripherally seated directly on the inner end surface of the mounting ring in parallel spaced relation to the case shoulder, resilient means located between the diaphragm and the case shoulder and yieldingly pressing on the diaphragm periphery to hold it seated on the mounting ring, whereby the transverse position of the diaphragm is positively determined solely with respect to the mounting ring, a plate-like element having a flat face and which with the diaphragm forms an electrical translation pair, and means for mounting the plate-like element on the mounting ring with its flat face in closely and adjustably spaced parallel relation to the inner face of the diaphragm, the last said means comprising an externally threaded carrier ring with which the plate-like element is rigidly integrated in insulated relation, an internally



threaded radially compressible annular formation comprising an integral part of the mounting ring and into which the carrier ring is adjustably threaded, mutually engageable opposed annular shoulders formed respectively on the mounting ring parallel to its said inner end surface and on the carrier ring parallel to the face of the plate-like element, the last said shoulders limiting by their said engagement the inward adjustment of the carrier ring to a position in which the flat face of the plate-like element lies in a common plane with the inner end surface of the mounting ring, a compressing ring surrounding the compressible annular formation of the mounting ring and adapted to compress the same by virtue of relative axial movement, and locking means acting between the case side wall and the compressing ring to shift the latter axially with respect to the mounting ring and thereby to compress the annular formation and lock the carrier ring in its adjusted position, the carrier ring and the said locking means being accessible for adjustment and for locking, respectively, through the other end of the case when the said device is fully assembled.

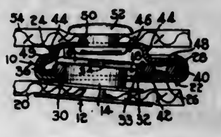
2,567,890
CONTROL DEVICE
Nils O. Myklestad, Urbana, Ill.
Application November 12, 1949, Serial No. 126,806
4 Claims. (Cl. 123—103)

1. A fuel control for an internal combustion engine having a fuel intake passage comprising a valve in said passage for metering the flow of fuel therethrough, an oil pump driven by the engine, an accumulator, a conduit having an orifice and connecting the discharge side of the pump to the accumulator, a sump connected to the intake side of the pump, a passage connecting the accumulator to the sump, a metering pin in the last named passage and biased toward movement closing the same, a relief valve having a valve chamber connected to the sump, an opening connecting said chamber to the accumulator, a valve member normally closing the opening, a bore in the relief valve, a piston slidable in the bore and connected to the valve member, spring means biasing the valve member to a position closing the opening, a passage connecting the bore with the portion of the conduit between the



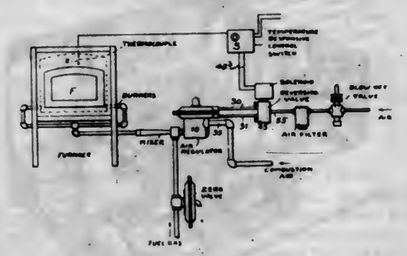
pump and the orifice, a cylinder, a piston in the cylinder, means biasing the piston toward movement in one direction, a passage connecting the accumulator to the cylinder for urging the last named piston toward movement in the other direction, and means connecting the first mentioned valve to the last named piston for movement therewith.

2,567,891
THREE-SIDE LOCK SNAP FASTENER
Howard J. Murphy, Lynnfield, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 30, 1948, Serial No. 68,155
2 Claims. (Cl. 24—218)



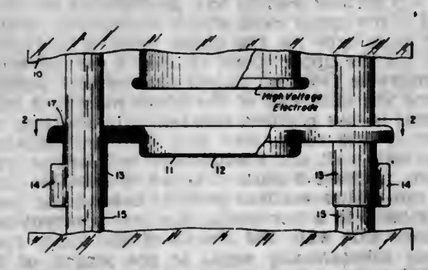
1. A snap fastener socket for use with a stud of the type having a shank and a shoulder formed by an enlarged head portion on the shank, the socket comprising a hollow body having an opening in one side thereof to receive a stud, a stud-retaining tab on one side of the opening extending within said hollow body and having a camming surface extending angularly outward with respect to the shank of an assembled stud, a spring member disposed in the body to engage the stud and including a looped portion disposed behind the stud-retaining tab and a semi-circular stud-engaging portion disposed about the opposite side of the opening with portions thereof projecting into the opening for engagement with an inserted stud, said semi-circular stud-engaging portion being adapted to expand outwardly over the enlarged head portion of an inserted stud and snap into engagement with the stud shank under said shoulder, said stud-engaging portion of the spring forcing an assembled stud against the stud-retaining tab with the camming surface thereof in engagement with an under portion of the shoulder on the stud, the engagement of said camming surface with said shoulder retaining the stud in position but allowing removal thereof by a disengaging force applied to the stud on that side.

2,567,892
FURNACE TEMPERATURE REGULATOR
Philip C. Osterman, Elizabeth, N. J., assignor to American Gas Furnace Company, Elizabeth, N. J., a corporation of New Jersey
Application December 27, 1946, Serial No. 718,844
7 Claims. (Cl. 236—15)



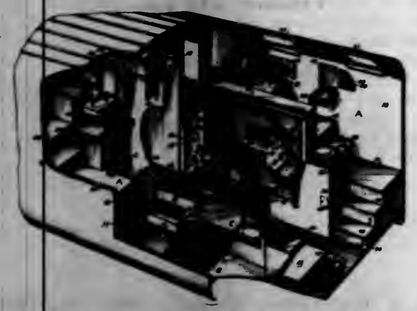
1. A temperature control system for a furnace having combustion air conduit comprising a regulating valve in the combustion air conduit, air operated means for actuating said regulating valve alternately in a valve opening direction and in a valve closing direction, means including a temperature responsive element connected with the furnace and mechanism operatively responsive thereto comprising switch means and an electrically operable solenoid for controlling the action of said air operated means, and means for controlling the rate of actuation of said regulating valve in each of its directions of movement in response to the action of said means including a temperature responsive element.

2,567,893
CATHODE-RAY TUBE ELECTRODE
Eric Pohle and Alfred Y. Bentley, Passaic, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application May 6, 1949, Serial No. 91,714
4 Claims. (Cl. 313—86)



1. An electrode for a cathode ray tube which comprises a metallic disc with a saucer shaped depression therein and an aperture in the center thereof, the edges of said disc being bent back to present longitudinally a rounded end, a mounting tab having a hole therein, and located on the side of said disc with the edges of said tab bent back to extend in the same direction as the edges of said disc, a support rod extending through said hole, a split eyelet secured to said tab said eyelet surrounding said support rod and being clamped thereto, the edges around said hole being depressed to form a seat for said split eyelet and a rounded surface on the other side thereof, the rounded edge portions of said disc and said mounting tab covering and forming a shield over said split eyelet, there being a continuous smooth surface from said disc extending beyond and around said rod.

2,567,894
SLEEPING CAR
Elmer F. Reinke, Milwaukee, and Fred G. Wiegratz, Wauwatosa, Wis.
Application January 25, 1947, Serial No. 724,368
12 Claims. (Cl. 105—315)



1. An upper and lower bedroom-sitting room combination for a vehicle comprising separate upper and lower rooms, each convertible from a bedroom having standing room therein to a sitting room and vice versa, said rooms being arranged one above the other in a space bounded on the sides by a vehicle side wall and an aisle wall, and to which access is had through openings in said aisle wall, the rearmost portions of both rooms being substantially in vertical alignment, a seat with a collapsible back mounted in each of said rooms in the rear portion thereof adjacent the vehicle side with the upper seat being substantially in vertical alignment with the lower seat, a horizontal wall in the upper room at or above seat height and forming a shelf extending between said upper seat and the aisle wall and constituting a ceiling wall for the standing room area of the lower room, a downwardly sloping wall adjacent said vehicle side wall and substantially equal in width to the width of the seats separating the upper and lower rooms adjacent said vehicle side wall and having steps on its top surface leading to a platform at the front end of the upper room which constitutes a standing room area for the upper room, a lengthwise bed for the upper room, at least a part of which is movable from an out-of-use vertical position along the aisle wall of the upper room to a horizontal in-use position substantially abutting the rear of said room, over said shelf and adjacent said aisle wall, and a lengthwise bed for the lower room, at least a part of which is movable from an out-of-use vertical position behind the lower seat back to a horizontal position adjacent said vehicle side wall, the length of the upper room being substantially equal to the length of the bed therein when in in-use position plus the extent of the standing room area therein longitudinally of the car, and the length of the lower room being substantially equal to that of said upper room.

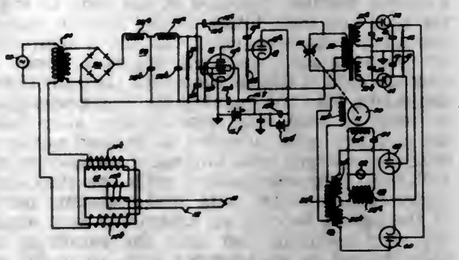
2,567,895
DEVICE FOR EJECTING AN OPAQUE MEDIUM IN THE SOFT PARTS OF THE BODY FOR X-RAYING PURPOSES
Jack Jay Remmer, Newark, N. J.
Application August 19, 1948, Serial No. 45,003
1 Claim. (Cl. 128—234)

A liquid injector adapted to inject an opaque medium in the soft parts of the body for X-raying purposes, said injector comprising a hollow cylindrical container with closed top and base for the opaque medium, a piston reciprocable in the container, said piston comprising a piston head, a piston rod connected with said piston, said container having an opening in the closed base and adapted for the insertion and ejection of the opaque medium, the container further having an opening in the closed top and adapted for the slidable insertion of the piston rod; the injector further comprising a substantially hollow cylindrical handle member, a top member disposed over the top of the handle member, and an open base, a base member removably disposed over the open base, the base member having an opening at the center and adapted for the slidable insertion of the piston rod, a longitudinal



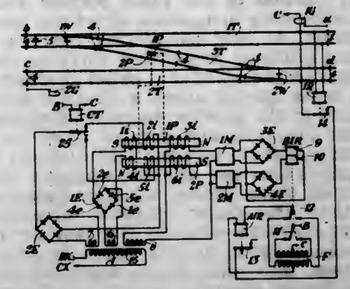
slot in the handle member extending upwardly from the open base, a spiral spring member disposed in the hollow cylindrical handle member, a keeper disposed on the free end of the piston rod after being passed through the opening in the base member and adapted to compress the spiral spring in the handle member when forced thereagainst, an indicator disposed on the keeper, the indicator extending through the longitudinal slot, and indicia on the handle member correlated with the indicator and adapted to indicate the pressure of the cylinder head on the opaque medium in the container by the extent of the compression of the spiral spring.

2,567,896
VOLTAGE MEASURING DEVICE USING FREQUENCY MODULATION
Paul T. Semm, Chicago, Ill., assignor to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1949, Serial No. 76,564
4 Claims. (Cl. 171—95)



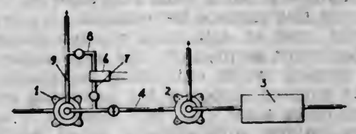
2. A measuring device comprising a saturable reactor having a saturating winding and a saturable winding, means to cause current flow in said saturating winding, an oscillator, means to vary the frequency of said oscillator in accord with the impedance of said saturable winding, and calibrated elements operative in response to said frequency to vary said current in direction to restore a preselected value thereof.

2,567,897
TRAFFIC PROTECTION APPARATUS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 11, 1947, Serial No. 791,122
16 Claims. (Cl. 246—219)



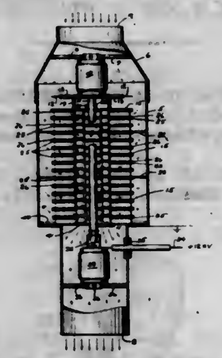
1. In traffic protection apparatus for a stretch of railway track including a railway signal, the combination comprising, two bars of magnetizable material having high permeability and arranged parallel to each other between the rails of said stretch of track, a magnetizing coil for each of said bars energized by direct current and arranged so that a given end of one of said bars is the north pole of a magnet and the adjacent end of the second bar is the south pole of a magnet and the opposite or south pole end of said first bar is adjacent the north pole of the second bar, a second coil for each of said bars energized by alternating current, coding means for periodically varying the alternating current flowing in said second coils, and a code following relay controlled by said periodically varied alternating current flowing through said second coils for controlling said signal to display a proceed indication if said track is unoccupied but controlling said signal to display the stop indication if a train passes over said parallel bars.

2,567,898
METHOD OF STANDARDIZING CREAM
Per Hilding Staaff, Alsten, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application March 9, 1946, Serial No. 653,421
In Sweden March 19, 1945
6 Claims. (Cl. 31—89)



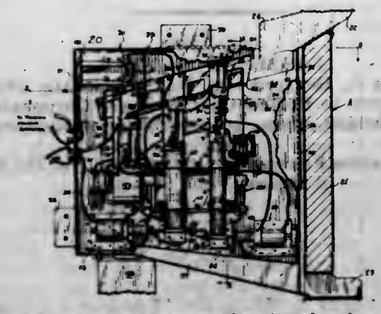
1. The method of continuously producing concentrated cream of high butterfat content approximating that of butter and maintaining said fat content substantially constant as the concentrated cream is produced, which comprises subjecting milk to a continuous treatment including the centrifugal separation from the milk of a cream of a butterfat content substantially lower than that of the final product, then continuously subjecting the separated cream to a centrifugal separation in which there is separated therefrom a cream having substantially the desired butterfat content of the final product, and in the first stage treatment above specified, regulating the butterfat content of the cream passing to the second centrifugal separating stage to maintain substantially constant the butterfat content thereof notwithstanding variations in conditions, such as changes in the butterfat content of the milk or in the milk quantity fed to the locus of first centrifugal separation per unit of time, which would otherwise substantially vary the butterfat content of the low butterfat cream.

2,567,899
ELECTROSTATIC PRECIPITATOR
Ray W. Warburton, Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1949, Serial No. 101,947
17 Claims. (Cl. 183—7)



1. A collector cell for an electrostatic precipitator comprising a plurality of spaced, aligned, parallel, collector electrodes having surfaces of electrically semi-conductive material, said electrodes having central, aligned, gas flow openings therein, a rod or tube like member of electrically conductive material extending centrally through said openings, means attaching one of said electrodes to said member, and means attaching other of said electrodes to said one electrode.

2,567,900
COIN-CHANGER MECHANISM
Clarance B. Winkler, Chicago, Ill.
Application October 11, 1946, Serial No. 702,763
3 Claims. (Cl. 194—10)



3. In a coin-changer mechanism having a coin discharge chute within reach of the operator and a single coin slot arranged to receive several different denominations of coins, those improve-

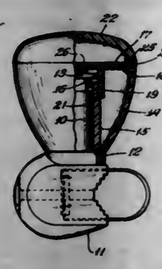
ments which comprise a single coin track in communication with said coin slot and having a first series of coin receiving apertures successively arranged and each sized to receive a different denomination of proper coins, said coin track having a second series of apertures alternately arranged with said first series of apertures and sized to receive improper coins and slugs and the like, guide means associated with said second series of apertures to guide said slugs and the like to the coin discharge chute, a plurality of coin magazines each arranged in open communication with one of said apertures of said first mentioned series and adapted to receive inserted coins falling through their respective aperture, swingable gate means adjacent at least one of said first series of coin receiving apertures, level detecting means responsive to the drop in the level of the coins in the coin magazines, and means actuated by said responsive means to set the gate means in position to bridge the aperture leading to the respective magazines corresponding to the denomination of a coin for which change is to be delivered.

2,567,901

STEERING WHEEL SPINNER

James E. Wood, Evanston, Ill., assignor to Santay Corporation, Chicago, Ill., a corporation of Illinois

Application July 14, 1950, Serial No. 173,724
7 Claims. (Cl. 74—557)



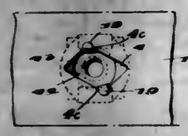
1. A spinner for steering wheels comprising a post adapted to be secured to the rim of a wheel and to project therefrom, a hollow spinner body formed with a central hub to fit rotatably over the post, a fastener on the post to hold the spinner body thereon, a flat disc member fitting in the open end of the body and of smaller diameter than the open end of the body, and a cap having an annular reduced flange fitting between the disc and the open end of the body.

2,567,902

FASTENER MEMBER

William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application February 8, 1947, Serial No. 727,343
3 Claims. (Cl. 85—32)



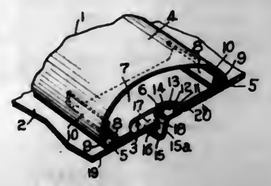
1. A fastener member for attachment to a supporting panel having an aperture of obtuse parallelogram shape with a longer diagonal dimension between one pair of diagonally opposed corners than that between the other pair of diagonally opposed corners, said fastener member comprising a flat support-engaging plate portion with a centrally disposed opening, a male fastener-receiving portion associated with said plate portion having a stud-receiving aperture in substantial alignment with said opening in said plate portion, said plate portion being provided with opposed yieldable hook shaped attaching tongues extending from opposite side edges of said opening to provide connecting portions disposed substantially normal to the plate portion and end portions extending in opposite directions substantially normal to said connecting portions, said connecting portions presenting surfaces for engaging opposed edges of said panel aperture, said surfaces being spaced apart a distance substantially equal to the shorter diagonal dimension of said panel aperture and greater than the perpendicular distance between said opposed edges of said panel aperture and the opposite ends of said tongues being spaced apart a distance not greater than the longer diagonal dimension of said panel aperture, whereby the fastener member may be secured to said panel by inserting the tongues into said panel aperture aligned along the longer diagonal of said panel aperture and turning the fastener member to snap the tongues into engagement with the edges of the panel aperture in alignment with the shorter diagonal of said panel aperture.

2,567,903

EMBOSSMENT MOUNT FASTENER WITH CLIP ATTACHMENT

William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 9, 1948, Serial No. 13,781
2 Claims. (Cl. 24—73)



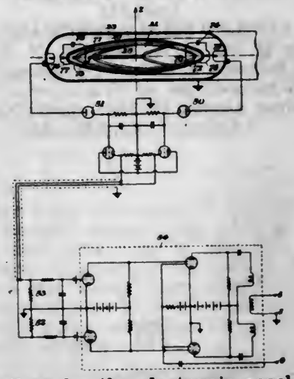
1. A fastener for securing a part to a support having an aperture of substantially equal width and length, said fastener being formed from sheet material and comprising a base portion having a flat surface for engaging a face of a support, fastener means extending from said base portion opposite said flat surface for engaging a part to be supported, and an attaching portion comprising an embossment formed on said base portion providing sloping walls extending angularly from said flat surface disposed for camming engagement on three sides with the edges of a support aperture having substantially equal width and length and an integral resilient tongue cut from the material of said base portion, extending from the base of said embossment at an acute angle to said base portion, and providing an end portion curling over toward said base portion and under to provide a convex surface for receiving and engaging an edge on the fourth side of the aperture in such support and the marginal surface adjacent said edge opposite the face to be engaged by the base portion.

2,567,904

MAGNETIC RESONANCE PARTICLE ACCELERATOR

Nicolas Christofilos (or Philos), Athens, Greece

Application June 6, 1947, Serial No. 752,866
In Greece June 22, 1946
6 Claims. (Cl. 250—27)



1. A method for the electronic acceleration of ions and electrons comprising the steps of producing a time varying magnetic field for guiding the accelerated particles within an annular evacuated inner metallized glass vessel, providing an even number of electrically insulated sectors along the inner metallized surface of annular evacuated glass vessel, connecting said sectors to a high frequency amplifier, providing from said amplifier a high frequency accelerating electrical field to each sector and having a phase displacement of 180° between each of successive gaps in the sectors along the inner surface of the glass container, and varying the frequency of said high frequency accelerating field during the electronic acceleration step, and thereafter maintaining the frequency of the high frequency accelerating field at a fixed and predetermined ratio to the velocity of the accelerated particles.

2,567,905

FUNGI AND BACTERIA RESISTANT POLYVINYL CHLORIDE COMPOSITIONS

Walter E. Field, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 6, 1948, Serial No. 63,857
10 Claims. (Cl. 260—30.2)

1. A composition comprising 100 parts by weight of a polymerized vinyl resin containing at least 80% of combined vinyl chloride, a plasticizer for said resin, 0.1 to 2.5 parts by weight of copper 8-quinolinolate, and 5 to 50 parts by weight of a compound selected from the group consisting of N-alkyl benzenesulfonamides and N-alkyl toluenesulfonamides wherein the alkyl substituent contains at least 1 and not more than 8 carbon atoms.

2,567,906

PREPARATION OF PHENETHYLAMINE COMPOUNDS

Walter H. Hartung, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application January 31, 1947, Serial No. 725,752
5 Claims. (Cl. 260—570.6)

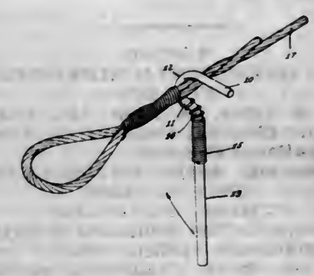
1. The process for the preparation of 1-(p-aminophenyl)-2-amino-1-propanol which comprises mixing a compound selected from the group consisting of p-nitropropiophenone, p-(lower-alkanoylamino)-propiophenone, and p-benzoylamino-propiophenone with ether, then adding, in small portions and with stirring, a lower alkyl nitrite while simultaneously introducing dry hydrogen chloride, continuing the addition of dry hydrogen chloride for an additional 15 to 30 minutes, then allowing the reaction mass to stand overnight, extracting the alpha-oximino ketone from the ethereal solution with repeated portions of a cold alkaline solution, then precipitating the alpha-oximino ketone by slowly stirring the alkaline extract into cold mineral acid, shaking a suspension of the isolated alpha-oximino ketone and palladinized charcoal in absolute ethanolic hydrogen chloride in an atmosphere of hydrogen at on the order of 200 lbs. pressure per square inch for ¾ to 2 hours, then removing the catalyst and, when the p-nitropropiophenone starting material is used, obtaining the 1-(p-aminophenyl)-2-amino-1-propanol hydrochloride from the filtrate by removal of the solvent, and when a lower-alkanoyl and benzoyl starting material is used, removing the solvent following the first hydrogenation step, dissolving the crystals obtained in acidulated aqueous medium and again hydrogenating at on the order of 100 lbs. pressure per square inch for about 30 minutes in the presence of palladinized charcoal, removing the catalyst and, in the case of the alkanoyl derivative, heating the solution to hydrolize the acyl-amino group, and in the case of either derivative removing the solvent to obtain 1-(p-aminophenyl)-2-amino-1-propanol hydrochloride.

2,567,907

SERVING TOOL

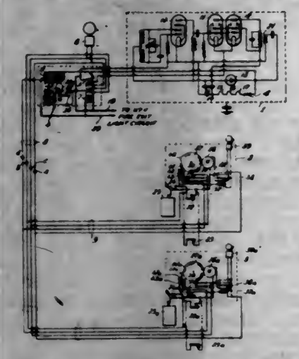
Harry L. Kitselman, Muncie, Ind., assignor to Indiana Steel & Wire Company, Muncie, Ind., a corporation of Indiana

Application February 12, 1945, Serial No. 577,503
4 Claims. (Cl. 242—7)



1. A serving tool, comprising a round rod having a straight body portion and bent at one end to provide a generally U-shaped hook adapted to receive an article to be served and having two generally parallel legs, said body portion lying approximately in a plane normal to the two legs of said hook and at an angle to the common plane of said legs, said body portion joining the adjacent leg of the hook through a smooth bend, whereby a helically wound coil of wrap-forming wire only slightly larger than said rod may be placed over the body portion and slid therealong to a position in which it extends around said bend and on to the adjacent leg of said hook.

2,567,908
RADIO CARRIER ALARM SYSTEM
Sol J. Levy, Bradley Beach, N. J., assignor to Monmouth Laboratories, Inc., Bradley Beach, N. J., a corporation of New Jersey
Application July 31, 1947, Serial No. 765,004
15 Claims. (Cl. 177—356)



1. In a coded alarm system including a signal transmitter, a plurality of motor-driven coding devices adapted to cyclically code the signals transmitted, and a plurality of alarm switches connected to start the motors, the improvement which comprises, a lockout relay for each motor, each relay having an actuating coil and a pair of contacts connected in series with its respective motor for controlling the operation thereof, a lockout circuit connecting the actuating coils of all of said lockout relays in parallel, and switching means actuated by each of said coding devices and so connected to said circuit that upon the starting of a first coding device by closure of an alarm switch connected to a first motor coupled thereto the lockout relay associated with said first motor remains unactuated and the lockout relays connected to the remaining motors are actuated to disconnect the motors respectively associated therewith, and to so remain until completion of the coding cycle of the coding device first actuated.

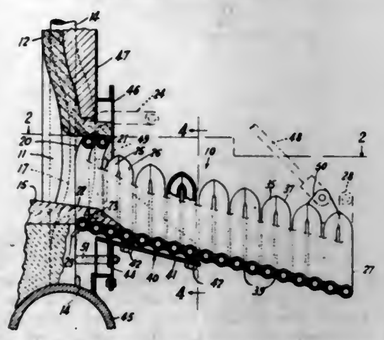
2,567,909
ALKALI METAL PENTACHLOROPHENATE PELLETS
Fredrick A. Linde, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application June 13, 1949, Serial No. 98,888
7 Claims. (Cl. 260—623)

1. A process for the production of alkali metal pentachlorophenate pellets, which comprises adding water to an alkali metal pentachlorophenate in the amount of from about 5% to about 25% by weight based on total composition, then mixing to form alkali metal pentachlorophenate pellets and then drying said pellets.

2,567,910
FUNGI AND BACTERIA RESISTANT POLYVINYL CHLORIDE COMPOSITIONS
Rogers W. Malone, Jr., St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 3, 1948, Serial No. 63,445
4 Claims. (Cl. 260—45.2)

1. A composition comprising 100 parts by weight of a polymerized vinyl resin containing at least 80% of combined vinyl chloride, a plasticizer for said resin, 1 to 25 parts by weight of the condensation product of toluenesulfonamide and formaldehyde, and 0.1 to 10 parts by weight of copper 8-quinolinolate.

2,567,911
LIQUID COOLED SMELT DISCHARGE SPOUT
Benjamin H. Miller, Newmarket, N. H., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application August 15, 1947, Serial No. 768,763
7 Claims. (Cl. 263—44)



1. A smelt spout comprising a tubular coil arranged for the flow of cooling water therethrough, a plurality of spaced U-shaped tubular elements arranged in closely spaced parallel planes to form the sides and bottom of a trough portion of said spout, weld metal deposits filling the intertube space between the bottom portions and part of the side portions of said tubular elements, a water flow connection between said coil and one upstanding side of an adjacent tubular element, and water flow connections between adjacent upstanding portions of said tubular elements on alternate sides of said spout to provide a continuous water flow passageway through said coil and tubular elements.

2,567,912
HETEROCYCLIC QUATERNARY AMMONIUM COMPOUNDS
James M. Sprague, Drexel Hill, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application July 17, 1950, Serial No. 174,360
7 Claims. (Cl. 260—286)

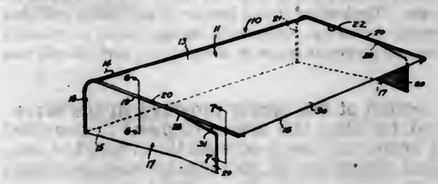
1. A compound of the general formula:

$$\left[\begin{array}{c} CH_3 \\ | \\ R-CH_2-N-C_{11}H_8 \\ | \\ CH_3 \end{array}\right]^+ X^-$$

in which R is chosen from the group consisting of the 2-benzimidazolyl,2-(1-methylbenzimidazolyl), and 6-phenanthridyl radicals and X is an anion.

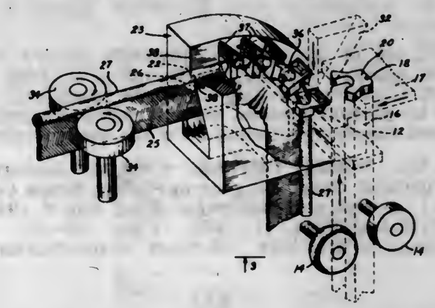
2,567,913
INTERCHANGEABLE REPLACEMENT SEAT COVER
Winfield L. Webster, Grosse Pointe, Mich.
Application January 12, 1950, Serial No. 138,199
9 Claims. (Cl. 155—182)

1. An interchangeable vehicle cushion cover comprising an elongated main cover member having a normally exposed elongated minor portion extending transversely thereto from a longitudinal edge thereof, and elongated side members connected to the opposite lateral edges of said main member, one of the short edges of each side member being connected to a short edge of said minor portion and one of the long edges of each



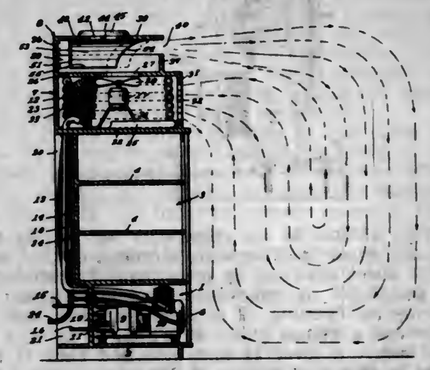
side member being connected to a lateral edge of said main member along a part only of said lateral edge, said long edge of said side member having a separated edge portion which is disconnected from said lateral edge of said main member commencing at a location remote from said minor portion and continuing throughout the remainder of its extent.

2,567,914
METHOD OF MAKING SLIDE FASTENERS
George Wintriss, Summit, N. J.
Application November 15, 1947, Serial No. 786,241
3 Claims. (Cl. 29—148)



1. In the manufacture of slide fastener stringers having spaced fastener elements clamped to a bead along one edge of a tape, the method that comprises advancing the bead and the last-attached fastener element longitudinally for a predetermined distance after each fastener element is attached to the bead, and during such advance bending the bead out of line with its direction of extent at the station where the fastener element was attached to the bead, the bend being sufficiently sharp to clear a space of substantial extent above the attaching station that would be obstructed by the last-attached fastener element were it not for said bending of the bead, advancing an embryo fastener element transversely of the bead and into a position at the attaching station with jaws of said fastener element straddling the bead of the tape, and while the fastener element is in this position with its jaws straddling the tape forming a recess in one face of the element and a corresponding projection in the opposite face by bringing a tool down into said space above the attaching station and into contact with the embryo fastener element to complete the forming of the fastener element, closing the jaws of the element on the bead of the tape while the element remains in the position at which the recess and projection were formed, and again advancing the bead and the last-attached fastener element longitudinally and during such advance bending the bead to again provide said space above the attaching station.

2,567,915
AIR-CONDITIONER SYSTEM
Rulo Wayne Smith, Auburn, Ind., assignor to Customaire Engineering Company, Auburn, Ind., a copartnership
Application March 1, 1949, Serial No. 79,080
7 Claims. (Cl. 62—129)

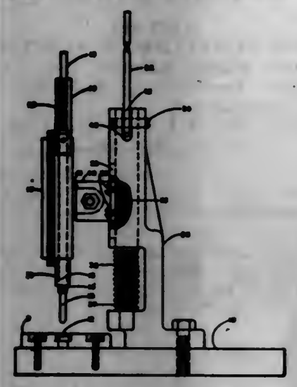


1. Apparatus for conditioning air comprising a lower compartment provided with an inlet and an upper compartment provided with outlets, said compartments being communicatively connected by a restricted passage, an evaporator adapted to be connected to operating apparatus disposed in the lower compartment, a deflector arranged in the upper compartment and provided with a plurality of deflecting surfaces disposed over the passage, and a means in the lower compartment for drawing air into the inlet for cooling treatment by the evaporator and then forcing it through the passage against the deflecting surfaces and out through the outlets, said deflecting surfaces being constructed and arranged to direct the air substantially horizontally in a fan-like pattern.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

656,466. STRENGTH TESTING DEVICE FOR SHEET MATERIAL. Alexander M. Labounsky, Port Washington, N. Y., assignor to the United States Government. Filed Mar. 22, 1946. Published Sept. 11, 1951. Class 73—81. 2 sheets of drawings. 6 pages of specification.



This relates to an apparatus for testing the tensile, shear, and bending strength of thin metallic sheet material by measuring its resistance to puncture. A removable specimen support 11 having an opening 12 is mounted on a base 10 adjacent a piston guide 33 which is upright on the base. A lever 22 and attached cam 42 are used to force the piston 35 downward within the piston guide against the action of a spring 36. A gauge body 17 is rigidly secured to the piston, and it contains a position-indicating gauge. A reciprocable plunger 15 is carried by the gauge body and is axially aligned with the aperture in the specimen support. A spring 20 bodily movable with the gauge body urges the plunger toward the aperture relative to the plunger guideway. The position of the plunger relative to the plunger guideway is measured by the indicating gauge. The plunger carries at its lower end a replaceable punch 13 which is axially aligned with the aperture. Depending upon the size of the punch relative to the size of aperture 12, tensile, shear, or bending strength of a specimen may be determined.

688,650. DRIVING TOOL FOR SCREWS AND THE LIKE FASTENING DEVICES. Cecil M. Cambern, Portland, Oreg., assignor to Phillips Screw Co., a corporation of Delaware. Filed Aug. 6, 1946. Published Sept. 11, 1951 Class 145—50. 2 sheets of drawings. 11 pages of specification.

The present screw driver is devised particularly for use with screws having a recess in the head thereof of generally cruciform cross section uniform throughout its entire depth. The driver consists of a length of rod which is of cruciform cross-sectional configuration having substantially the same cross-sectional dimensions as the cross section of the recess provided in the screw. The rod forming the driver element is provided with a relatively heavy core section while the longitudinal vanes are of increasing cross-sectional



thickness in the direction inwardly toward the core section. The end of the rod is squared to form a bit for engaging the screw recess and as the bit portion becomes worn, it may be reconditioned simply by grinding away the worn portion.

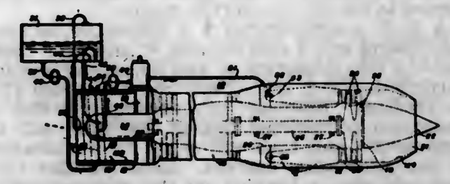
688,651. SCREW DRIVER. Cecil M. Cambern, Portland, Oreg., assignor to Phillips Screw Co., a corporation of Delaware. Filed Aug. 6, 1946. Published Sept. 11, 1951. Class 145—50. 2 sheets of drawings. 13 pages of specification.



This screw driver is devised particularly for use with recessed head screws. The driver consists of a length of rod of uniform cruciform cross-sectional shape throughout its entire length. A screw recess-engaging bit portion is formed on the end of the length of rod by grinding away the end portions of the rod vanes at an angle corresponding to the angle of taper of the wings of the screw recess.

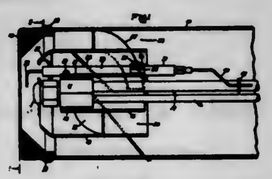
This driver may be reconditioned when the bit portion becomes worn by grinding away the worn portion at the end with substantially the same angle of taper as originally provided.

45,044. TURBINE POWER PLANT. Mario F. Pierpoline, Swarthmore, Pa., and Robert W. Ashe, Patuxent River, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Aug. 19, 1948. Published Sept. 11, 1951. Class 158—36B. 1 sheet of drawings. 12 pages of specification.



This disclosure relates to a fuel feeding system for an aircraft jet engine and more particularly to an arrangement whereby excessive losses of fuel due to vaporization incident to rapid increase in altitude are avoided. The system comprises an aircraft jet engine 10, a fuel tank 31 and an air-cooled vapor condenser 33 which is subjected to the cool intake air supplied the engine. The tank is vented via conduit 32, through vapor condenser 33 and the condensed fuel returned to the tank through conduit 39.

98,999. AIR DISTRIBUTING UNIT FOR OIL BURNER HEADS. Paul I. Kooiker, East Orange, N. J., assignor to General Electric Company, a corporation of New York. Filed June 14, 1949. Published Sept. 11, 1951. Class 158—76. 1 sheet of drawings. 11 pages of specification.



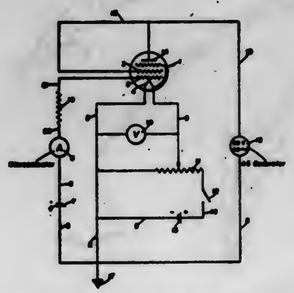
This disclosure relates to an oil burner of the "gun" type and more particularly to supplemental low pressure air feeding means therefor, to cool the nozzle, heat the air, and obtain effective combustion at varying fuel rates.

It includes an oil nozzle 11, such as disclosed in U. S. Letters Patent 2,249,482 issued to Aldo Macchi on July 15, 1941, an inner air tube 12, outer air tube 13, casing 14, deflector 15, oil supply pipe 16, air supply pipe 17, mixing body 18, nozzle tip 19, tightening screw 20, inner air passages 21, vanes 22, trapezoidal gaps 23 therebetween, air passage 24, air directing vanes 25 defining trapezoidal gaps 26, frusto-conical nose 27, outer air passage 28, screws 29 and 30 for attachment of deflector 15, igniting electrodes 31 with ignition tips 38, openings 32 and 33 for accommodating the electrodes, clamp 34 consisting of straps 35 and 36 and securing screw 37, insulation 39, conductors 40, and clamp 41.

Air under low pressure is supplied to the primary air casing 14 and is directed in three distinct paths to the fuel spray. An outer portion of this air passes through passage 28 and is swirled tangentially in a clockwise direction, as viewed in Figure 2, by air vanes 25. As this air strikes the respective vanes, it is directed toward the outer periphery of the passage and is characterized by a pressure condition of increasing magnitude from the core of the stream outwardly. The vanes 25 are positioned back on the outer air tube 13 so that the four streams produced by the vanes may diffuse before reaching the fuel spray. Another portion of the combustion air passes through the secondary air passage 24 and is swirled tangentially in a clockwise direction similar to that portion passing through the passage 28. Likewise, the vanes 22 are positioned sufficiently far back on the inner air cylinder 12 to allow for diffusion of the four streams of air. Thus, the outer and secondary streams reach the fuel spray having a relatively large tangential velocity in a clockwise direction, as viewed in Figure 2, to thoroughly intermingle with the atomized fuel spray which is moving tangentially in the opposite direction. By swirling the outer and secondary air streams through their respective tube paths in the same direction, greatly increased efficiency for a given amount of energy in the air is obtained. I have also found that a small area near the nozzle tends to have relatively low pressure, due to the flow of the secondary and outer air streams. In order to counteract this low pressure tendency, and thereby prevent the burner flame from moving in towards the nozzle, the inner air passages 21 are provided which direct an inner portion of the combustion air to the fuel spray at a relatively high velocity in a forward direction in the immediate proximity of the burner nozzle. This minimizes the tendency of the flame to move toward the nozzle and create a smoky or sooty condition.

The nozzle 11, inner air tube 12 and outer air tube 13 all will be heated during operation of the burner mechanism; this heat is removed effectively by the air passing through the passages 21, 24 and 28; the inner air stream passes at high velocity in direct contact with the burner nozzle 11 to readily absorb heat therefrom, while the secondary and outer air streams swirl about the air vanes 22 and 25, respectively, which act as cooling fins and give up to their respective air streams heat transferred to the vanes by radiation from the flame and heated parts of the furnace and by conduction from the nozzle 11. Accordingly, the air becomes preheated before reaching the fuel spray, thereby improving the combustion characteristics of the burner. Cooling of the nozzle minimizes any tendency toward carbonization of the liquid fuel within the nozzle and consequent danger of clogging the nozzle.

111,922. PROCESS AND APPARATUS FOR TESTING ELECTRONIC TUBES. Thaddeus Podbielniak, Buffalo, N. Y. Filed Aug. 23, 1949. Published Sept. 11, 1951. Class 315—370. 1 sheet of drawings. 5 pages of specification.



This disclosure relates to a process and apparatus for testing thermionic tubes, specifically for

determining whether or not the degree of vacuum therein is sufficient for certain intended applications of said tubes.

When tubes are to be used in circuits having relatively high input impedance, leakage of current for any reason assumes great importance, because the leakage current may be a considerable percentage of the total anode current. Current leakage may occur for many reasons, including conduction over the insulating surfaces of the tube, such as the glass envelope or the press, due to dirt, moisture, metallic deposits, and other foreign materials, or gaseous conduction through the evacuated space of the tube.

The device, which is applicable to any thermionic tube having three or more electrodes, provides a quick and simple procedure for checking the quality of such tube as to its gas content as well as surface leakage, and to distinguish between the two. Briefly, the tube is connected as shown. In the filament or heater circuit a source 13 supplies the heating power while the voltmeter 14 and voltage divider 11 permit adjusting the heater voltage to standard value. A D. C. source 7 may be provided to give a desired negative bias to the grid 2, if desired. A resistor 19 may also be provided to protect the microammeter against accidental overloading.

Alternating current at a voltage that is relatively low, with respect to the rated anode voltage of the tube under test, is supplied by an A. C. source 18, such as a step-down transformer connected to the 110 volt service mains.

A D. C. microammeter 6 is connected between the control grid 2 and cathode 4; any A. C. leakage will fail to operate it, and hence any leakage current due to a true ohmic resistance will give no reading. However, any conductivity due to ionization of residual gas in the tube will be asymmetric and thus will result in rectification of the alternating current. Such rectified current will give a reading on the microammeter. From the magnitude of the reading it then is possible to determine whether the tube is "gassy," that is, contains more gas than is permissible in a satisfactory high-vacuum tube.

DESIGNS

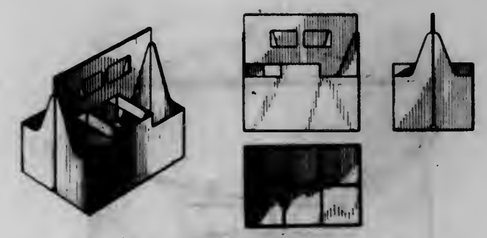
SEPTEMBER 11, 1951

164,465
LADY'S STOCKING
Charles Appel, Jackson Heights, N. Y., assignor to Amwell Full Fashioned Hosiery Co., Inc., Lambertville, N. J., a corporation of New Jersey
Application March 14, 1951, Serial No. 14,495
Term of patent 7 years
(Cl. D47—7)



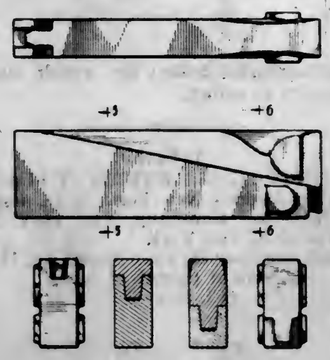
The ornamental design for a lady's stocking, as shown.

164,466
BOTTLE CARRIER
Edwin L. Arneson, Morris, Ill.
Application December 9, 1948, Serial No. 150,056
Term of patent 14 years
(Cl. D58—13)



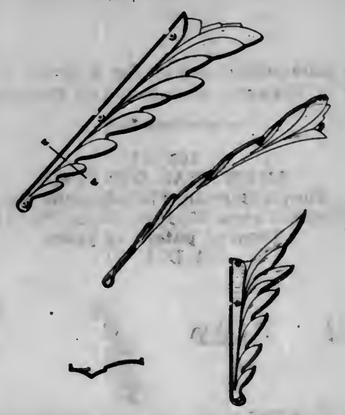
The ornamental design for a bottle carrier, substantially as shown.

164,467
ADJUSTABLE SLIDE WEDGE BLOCKING TOOL
Richard S. Arnold, Denver, Colo.
Application March 4, 1950, Serial No. 8,324
Term of patent 7 years
(Cl. D54—2)



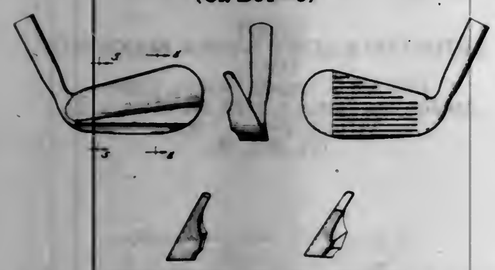
The ornamental design for an adjustable slide wedge blocking tool, substantially as shown and described.

164,468
COMBINATION WIND AND RAIN SHIELD ATTACHMENT FOR AUTOMOTIVE VEHICLES
Joseph E. Baker, Newark, Ohio
Application May 29, 1950, Serial No. 10,255
Term of patent 3½ years
(Cl. D14—6)



The ornamental design for a combination wind and rain shield attachment for automotive vehicles, substantially as shown.

164,469
GOLF CLUB HEAD
Medard A. Behrendt, Elmwood Park, Ill., assignor to Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill., a corporation of Delaware
Application October 13, 1949, Serial No. 5,476
Term of patent 14 years
(Cl. D34—5)



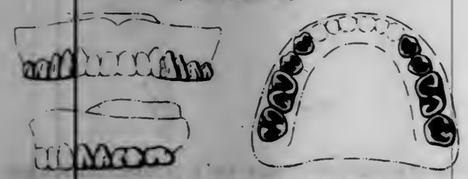
The ornamental design for a golf club head, substantially as shown.

164,470
SPOON OR SIMILAR ARTICLE OF FLATWARE
Norman Bel Geddes, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application May 25, 1951, Serial No. 15,319
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or similar article of flatware, as shown and described.

164,471
ARTIFICIAL DENTURE
Morris Beresin, Philadelphia, Pa.
Application June 25, 1948, Serial No. 147,204
Term of patent 14 years
(Cl. D24—1)



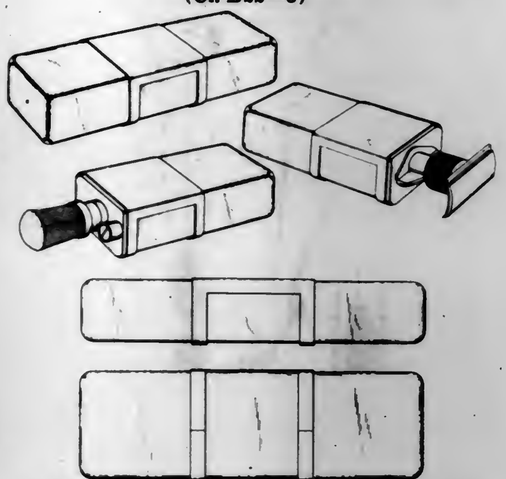
The ornamental design for an artificial denture, substantially as shown and described.

164,472
WATCH BRACELET
Rudolph Bohnenberger, New York, N. Y.
Application January 20, 1951, Serial No. 13,899
Term of patent 14 years
(Cl. D45—4)



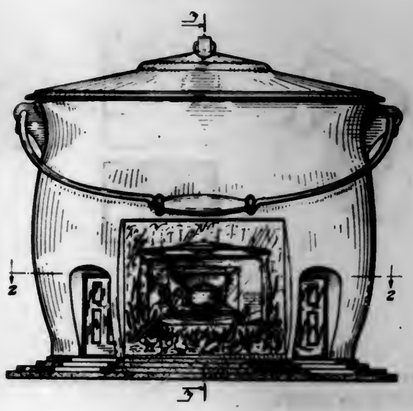
The ornamental design for a watch bracelet, as shown.

164,473
COMBINED SHAVING BRUSH AND RAZOR UNIT
Frank Broes, Sr., Palm Springs, Calif.
Application January 6, 1951, Serial No. 13,699
Term of patent 14 years
(Cl. D22—3)

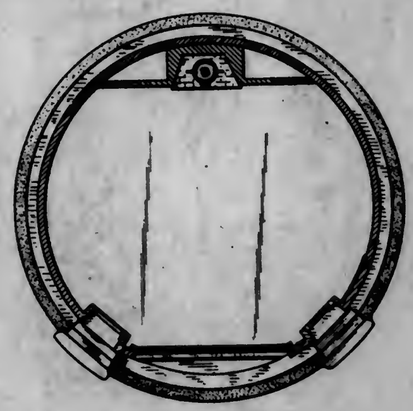


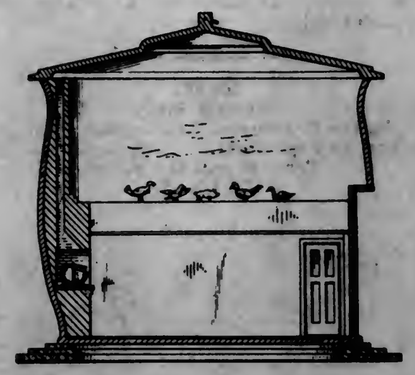
The ornamental design for a combined shaving brush and razor unit, as shown and described.

164,474
STORE BUILDING
William Alan Bryans, Denver, Colo.
Application May 6, 1950, Serial No. 9,753
Term of patent 14 years
(Cl. D13—1)



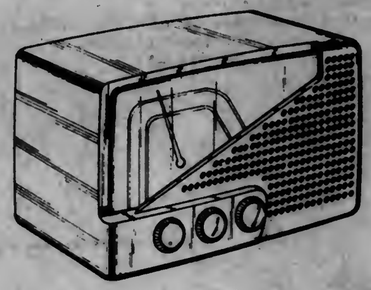
164,474—Continued





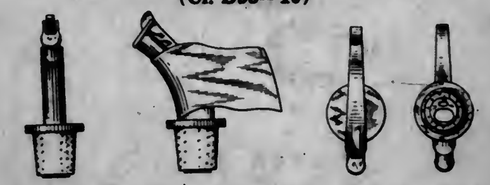
The ornamental design for a store building, as shown.

164,475
RADIO CABINET
Robert Davol Budlong, Skokie, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application February 20, 1948, Serial No. 144,630
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a radio cabinet, as shown and described.

164,476
LIQUOR POURER
George Clare, Maplewood, N. J., assignor to Claremould Plastics Corporation, Newark, N. J., a corporation
Application March 8, 1949, Serial No. 1,277
Term of patent 7 years
(Cl. D58—10)



The ornamental design for a liquor pourer, substantially as shown.

164,477
DECANTER BOTTLE
John Collins and Harold A. Bowman, New York, N. Y., assignors to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware
Application May 31, 1950, Serial No. 10,272
Term of patent 14 years
(Cl. D58—6.5)



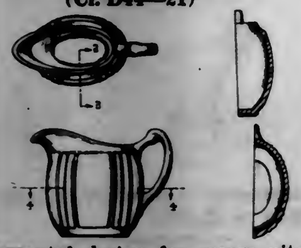
The ornamental design for a decanter bottle, as shown.

164,478
SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn.
Application June 22, 1951, Serial No. 15,636
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

164,479
CREAM PITCHER
R. Guy Cowan, Fayetteville, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 11,134
Term of patent 14 years
(Cl. D44—21)



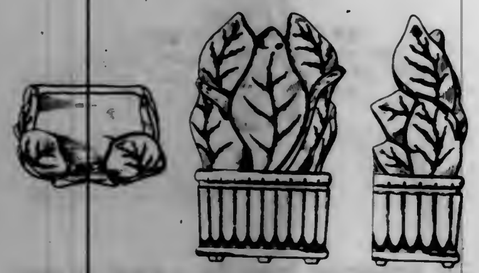
The ornamental design for cream pitcher, as shown.

164,480
FISH BOWL
Frank Dostalek, Erie, Pa.
Application October 5, 1950, Serial No. 12,454
Term of patent 14 years
(Cl. D91—2)



The ornamental design for a fish bowl, as shown and described.

164,481
CONTAINER FOR WICK-HOLDING BOTTLE
Ellis F. Ellis, Akron, Ohio, assignor to Coventry Ware, Inc., Barberton, Ohio, a corporation of Ohio
Application April 6, 1951, Serial No. 14,741
Term of patent 7 years
(Cl. D16—2)

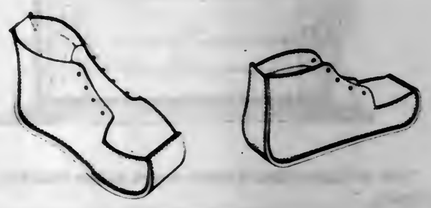


164,481—Continued



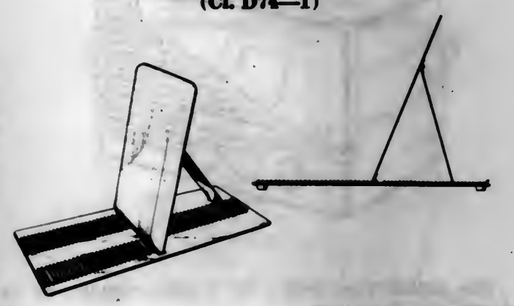
The ornamental design for a container for a wick-holding bottle, as shown.

164,482
CHILD'S SHOE
Joseph H. Everston, Los Angeles, Calif.
Application September 17, 1949, Serial No. 5,054
Term of patent 7 years
(Cl. D7—7)

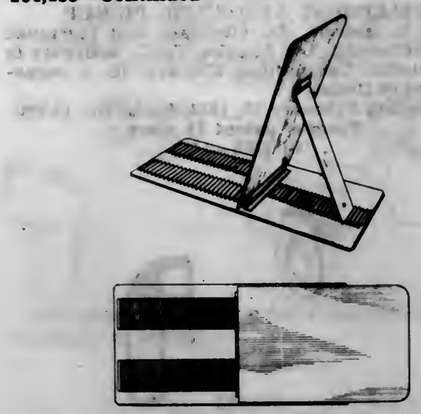


The ornamental design for a child's shoe, as shown and described.

164,483
COPYHOLDER
Marian A. Flannery, North St. Paul, Minn., assignor to Bankers Box Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1950, Serial No. 12,356
Term of patent 14 years
(Cl. D74—1)

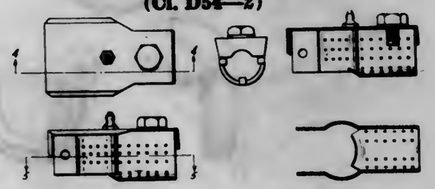


164,483—Continued



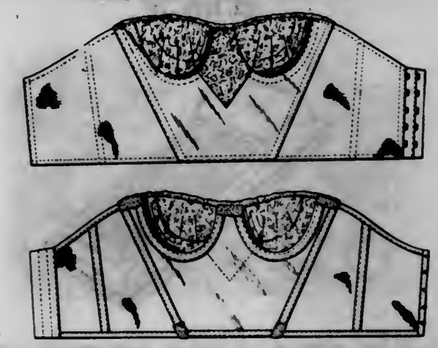
The ornamental design for a copyholder, substantially as shown.

164,484
BATTERY CABLE CLAMP COVER
Louis G. Franklin, Sioux City, Iowa
Application December 12, 1949, Serial No. 6,575
Term of patent 14 years
(Cl. D54—2)



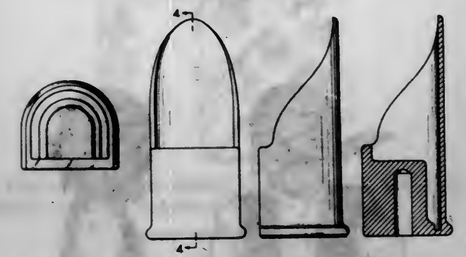
The ornamental design for a battery cable clamp cover, as shown.

164,485
BRASSIÈRE
Veronica Fredericks, New York, N. Y., assignor to Madame Adrienne, Inc., New York, N. Y., a corporation of New York
Application February 21, 1951, Serial No. 14,289
Term of patent 3½ years
(Cl. D20—4)



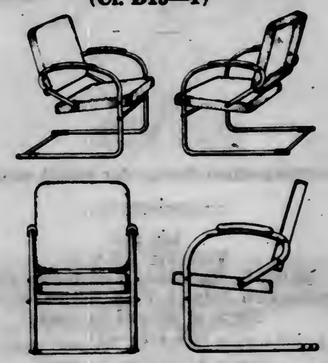
The ornamental design for a brassière, as shown.

164,486
ATTACHMENT FOR A WASHING MACHINE LEG
Elmer Fuerst, Cincinnati, Ohio
Application April 25, 1950, Serial No. 9,457
Term of patent 14 years
(Cl. D49—1)



The ornamental design for an attachment for a washing machine leg, substantially as shown.

164,487
CHAIR
Aaron S. Goldberg, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 4, 1947, Serial No. 142,292
Term of patent 14 years
(Cl. D15—1)



The ornamental design for a chair, as shown.

164,488
STORE SERVICE TRUCK
Sylvan N. Goldman, Oklahoma City, Okla.
Application May 16, 1950, Serial No. 9,980
Term of patent 14 years
(Cl. D14—3)



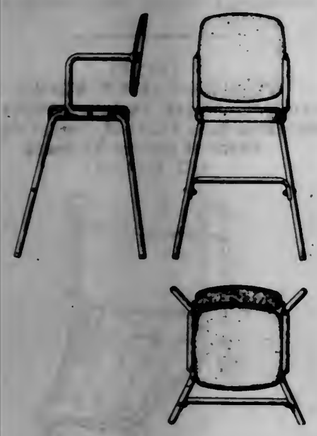
The ornamental design for a store service truck, as shown.

164,489
DOLL
Annies Baxley Hahn, Savannah, Ga.
Application October 26, 1949, Serial No. 5,721
Term of patent 14 years
(Cl. D34—4)



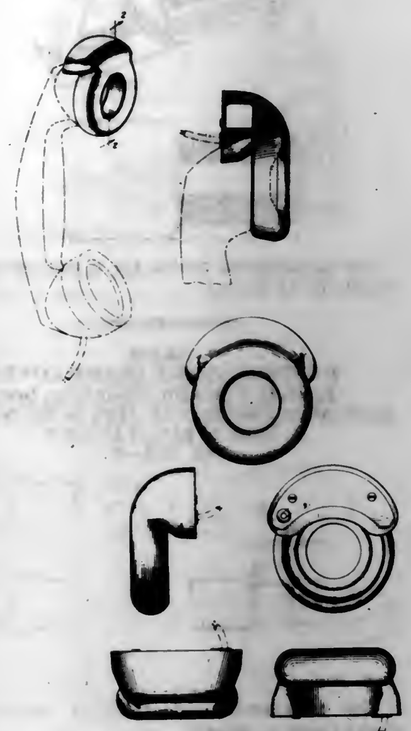
The ornamental design for a doll, as shown.

164,490
YOUTH CHAIR
Bertis F. Hamilton, Columbus, Ind.
Application July 24, 1950, Serial No. 11,371
Term of patent 14 years
(Cl. D15—1)



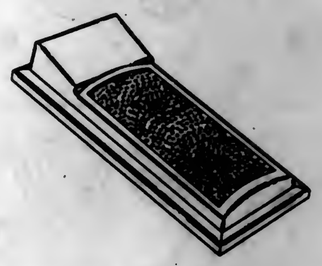
The ornamental design for a youth chair, as shown.

164,491
TELEPHONE RECORDING PICKUP
Ernest E. Hansen, Jr., Glendale, and Lawrence M. Heineman, Los Angeles, Calif., assignors to Permoflux Corporation, Chicago, Ill., a corporation of Illinois
Application February 21, 1951, Serial No. 14,290
Term of patent 14 years
(Cl. D26—14)



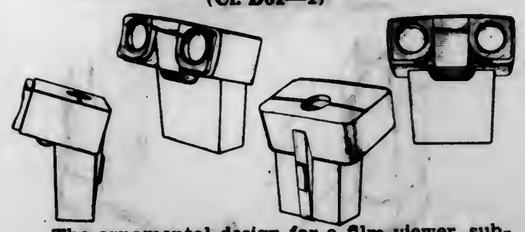
The ornamental design for a telephone recording pickup, substantially as shown and described.

164,492
COMBINED GRAVE COVER AND MARKER
George Elgin Harvey, Vancouver, British Columbia, Canada
Application April 10, 1950, Serial No. 9,108
Term of patent 3½ years
(Cl. D79—2)



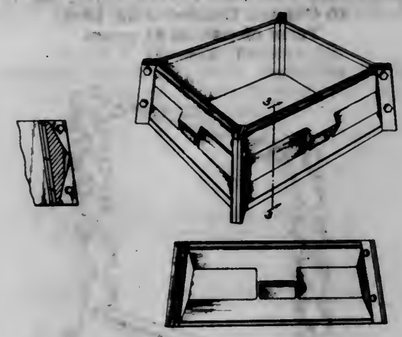
The ornamental design for a combined grave cover and marker, as shown.

164,493
FILM VIEWER
Andrew L. Henkel, Hales Corners, Wis.
Application July 28, 1950, Serial No. 11,453
Term of patent 14 years
(Cl. D61—1)



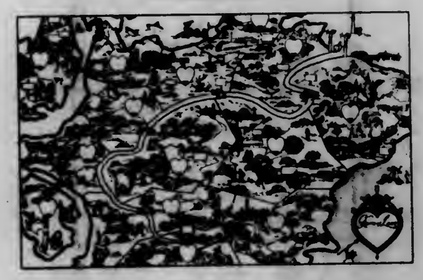
The ornamental design for a film viewer, substantially as shown.

164,494
MOLD JACKET
James F. Hines, Lakewood, Ohio, assignor, by mesne assignments, to Hines Flask Company, Cleveland, Ohio, a corporation of Ohio
Application April 10, 1951, Serial No. 14,784
Term of patent 14 years
(Cl. D54—8)



The ornamental design for a mold jacket, as shown.

164,495
GAME BOARD
Valdemar A. Hinzenberg, New York, N. Y.
Application May 4, 1950, Serial No. 9,708
Term of patent 3½ years
(Cl. D34—5)



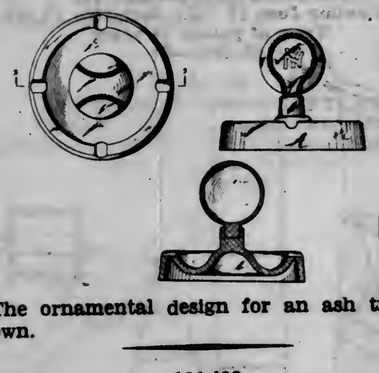
The ornamental design for a game board, as shown and described.

164,496
DISPLAY STAND OR SIMILAR ARTICLE
Frances Hobhouse, New York, N. Y.
Application May 18, 1951, Serial No. 15,236
Term of patent 3½ years
(Cl. D80—9)



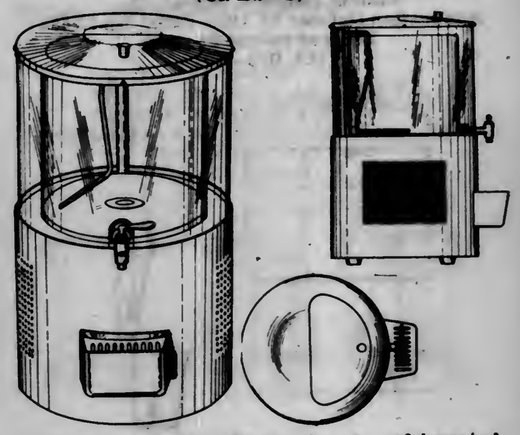
The ornamental design for a display stand or similar article, substantially as shown.

164,497
ASH TRAY
John G. Hoehn, Pennsboro, W. Va.
Application February 24, 1950, Serial No. 8,108
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

164,498
REFRIGERATED BEVERAGE DISPENSER
Robert R. Hull, Pasadena, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application August 22, 1949, Serial No. 4,649
Term of patent 14 years
(Cl. D2—3)



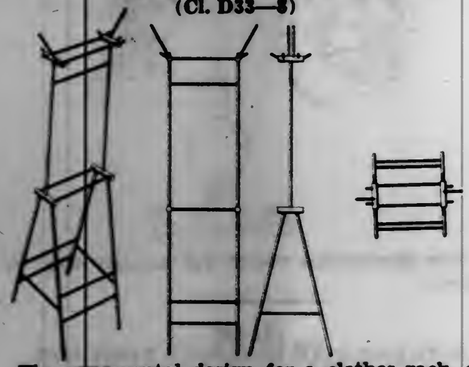
The ornamental design for a refrigerated beverage dispenser, as shown.

164,499
TOILET SEAT ADAPTOR OR SIMILAR ARTICLE
Walter A. Inman, Waukegan, Ill., assignor to Waukegan Baby Seat Co., Waukegan, Ill., a corporation of Illinois
Application October 19, 1950, Serial No. 12,631
Term of patent 14 years
(Cl. D4—5)



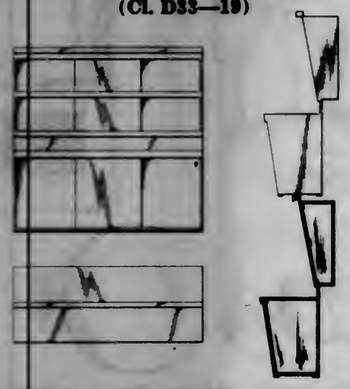
The ornamental design for a toilet seat adaptor, or similar article as shown.

164,500
CLOTHES RACK
Burton H. Ives, Chicago, Ill.
Application June 14, 1951, Serial No. 15,535
Term of patent 14 years
(Cl. D33—8)



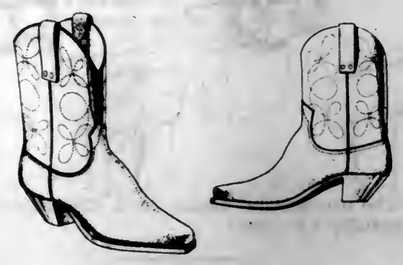
The ornamental design for a clothes rack, as shown.

164,501
STORAGE CABINET OR SIMILAR ARTICLE
William Jameson, Miami, Fla.
Application October 13, 1950, Serial No. 12,552
Term of patent 14 years
(Cl. D33—19)



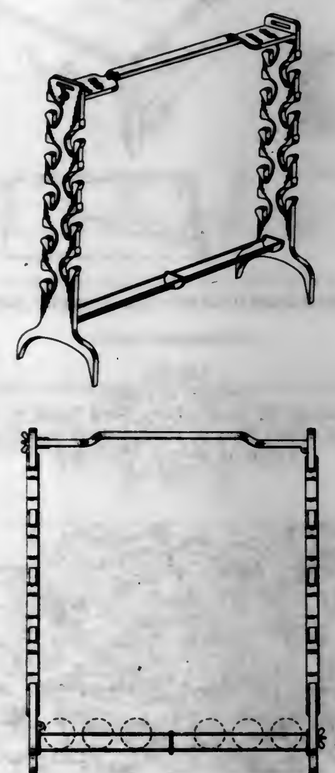
The ornamental design for a storage cabinet or similar article, as shown.

164,502
COWBOY BOOT
John S. Justin, Jr., Fort Worth, Tex.
Application April 10, 1950, Serial No. 9,093
Term of patent 14 years
(Cl. D7—7)



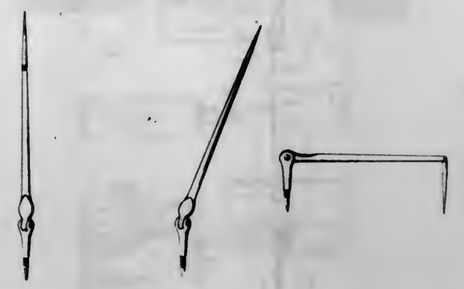
The ornamental design for a cowboy boot, substantially as shown and described.

164,503
COMBINED GOLF CLUB AND GOLF BALL CARRIER
Allan Wesley Kerr, Westmount, Quebec, Canada
Application February 7, 1949, Serial No. 727
In Canada December 11, 1948
Term of patent 14 years
(Cl. D34—5)



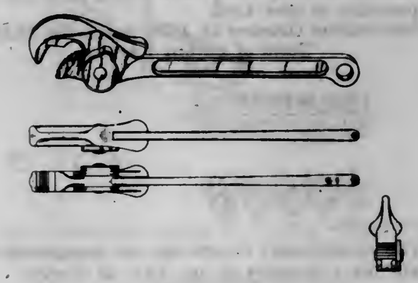
The ornamental design for a combined golf club and golf ball carrier, as shown and described.

164,504
ADJUSTABLE APPLICATOR FOR FINGERNAIL POLISH AND THE LIKE
Julius Klugmann, New York, N. Y.
Application May 17, 1949, Serial No. 2,712
Term of patent 14 years
(Cl. D86—10)



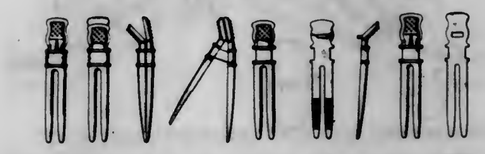
The ornamental design for an adjustable applicator for fingernail polish and the like, substantially as shown.

164,505
SELF-ADJUSTING WRENCH OR SIMILAR ARTICLE
John V. Larson, Chicago, Ill.
Application July 13, 1949, Serial No. 3,878
Term of patent 14 years
(Cl. D54—16)



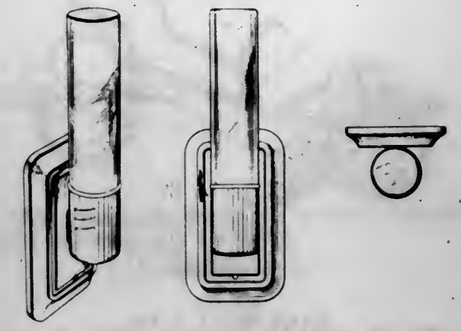
The ornamental design for a self-adjusting wrench or similar article, substantially as shown.

164,506
CURL CLIP
Isolina I. Leon, Massapequa, N. Y.
Application July 19, 1950, Serial No. 11,265
Term of patent 14 years
(Cl. D86—10)



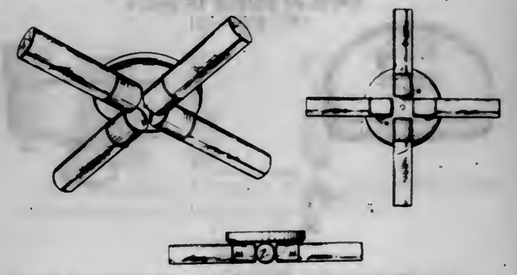
The ornamental design for a curl clip, substantially as shown and described.

164,507
LIGHT FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application November 10, 1947, Serial No. 142,423
Term of patent 14 years
(Cl. D48—4)



The ornamental design for a light fixture, substantially as shown.

164,508
MULTIPLE LIGHTING FIXTURE
Clyde D. McCann, Des Moines, Iowa
Application November 10, 1947, Serial No. 142,426
Term of patent 14 years
(Cl. D48—23)



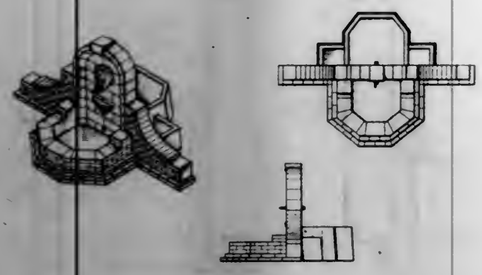
The ornamental design for a multiple lighting fixture, substantially as shown.

164,509
GIRDLE OR SIMILAR ARTICLE
Aaron A. Meyers, New York, N. Y.
Application April 21, 1951, Serial No. 14,909
Term of patent 14 years
(Cl. D20—2)



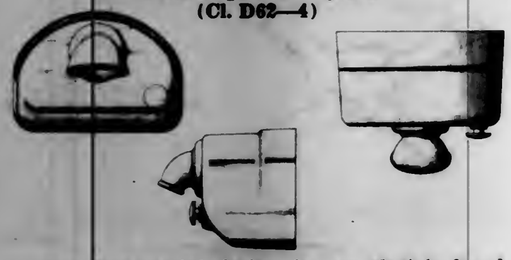
The ornamental design for a girdle or similar article, as shown.

164,510
PORTABLE FOUNTAIN
Anthony C. Mifsud, West Hempstead, N. Y.
Application July 7, 1950, Serial No. 10,993
Term of patent 7 years
(Cl. D91—4)



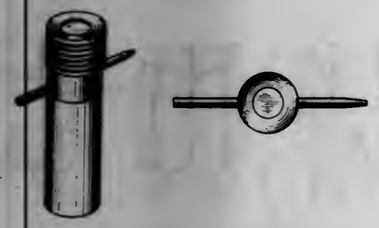
The ornamental design for a portable fountain, as shown.

164,511
ELECTRIC HAND DRIER OR SIMILAR ARTICLE
Conrad J. Oliver, Waukegan, and Joseph Kupski, North Chicago, Ill., assignors to The Chicago Hardware Foundry Co., North Chicago, Ill., a corporation of Illinois
Application June 15, 1951, Serial No. 15,564
Term of patent 14 years
(Cl. D62—4)



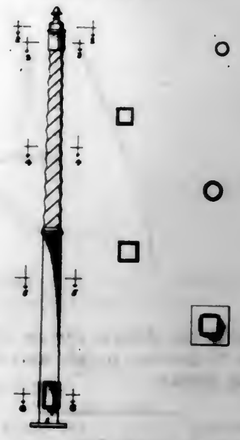
The ornamental design for an electric hand drier or similar article, substantially as shown.

164,512
WRENCH FOR SCREW-BACK WATCHCASES
Paul A. Petit, Minneapolis, Minn.
Application February 24, 1951, Serial No. 14,316
Term of patent 7 years
(Cl. D54—16)



The ornamental design for a wrench for screw-back watchcases, as shown.

164,513
LAMP POST
Clyd R. Phillips, Coshocton, Ohio
Application May 18, 1950, Serial No. 10,026
Term of patent 14 years
(Cl. D48—31)



The ornamental design for a lamp post, as shown.

164,514
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application October 14, 1950, Serial No. 12,576
Term of patent 7 years
(Cl. D45—4)



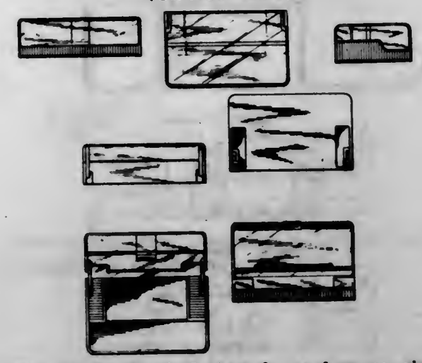
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

164,515
CHILD'S SNOWSUIT OR SIMILAR ARTICLE
Milton Rosenbloom, Newark, N. J.
Application February 9, 1949, Serial No. 768
Term of patent 7 years
(Cl. D3—17)



The ornamental design for a child's snowsuit or similar article, substantially as shown and described.

164,516
BOX OR SIMILAR ARTICLE
Henry Ruskin, New York, N. Y.
Application February 6, 1950, Serial No. 7,768
Term of patent 14 years
(Cl. D58—12.6)



The ornamental design for a box or similar article, substantially as shown.

164,517
SHOE
Jacob Sandler, Boston, Mass.
Application June 5, 1951, Serial No. 15,424
Term of patent 7 years
(Cl. D7—7)



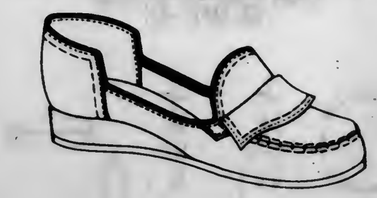
The ornamental design for a shoe, substantially as shown and described.

164,518
SHOE
Jacob Sandler, Boston, Mass.
Application June 5, 1951, Serial No. 15,425
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, substantially as shown.

164,519
SHOE
Jacob Sandler, Boston, Mass.
Application June 5, 1951, Serial No. 15,426
Term of patent 7 years
(Cl. D7—7)



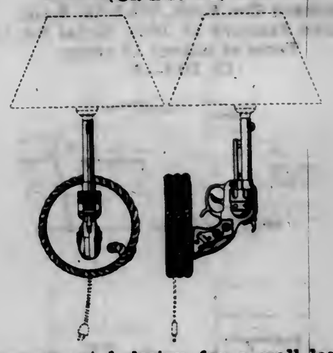
The ornamental design for a shoe, substantially as shown and described.

164,520
WALL LAMP BASE
Lee Secrist, Euclid, Ohio, assignor to Phil-Mar Corporation, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1950, Serial No. 10,792
Term of patent 3½ years
(Cl. D48—4)



The ornamental design for a wall-lamp base, substantially as shown and described.

164,521
WALL LAMP
Robert D. Smith, Glen Ellyn, Ill.
Application July 6, 1950, Serial No. 10,972
Term of patent 14 years
(Cl. D48—4)



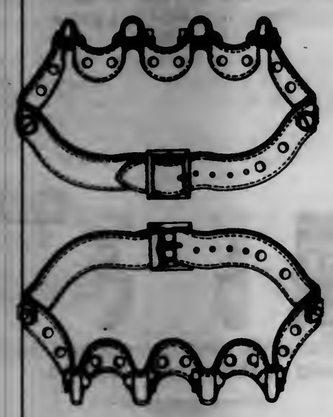
The ornamental design for a wall lamp, substantially as shown and described.

164,522
COIN HOLDER OR THE LIKE
Wilfred E. Stageberg, Minneapolis, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application May 4, 1950, Serial No. 9,711
Term of patent 14 years
(Cl. D87—3)



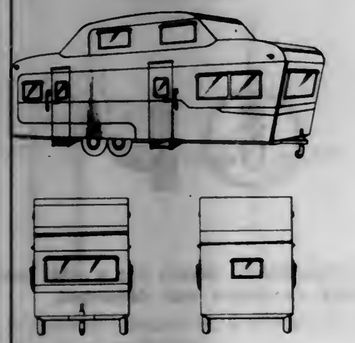
The ornamental design for a coin holder or the like, as shown.

164,523
BELT
Harry Stelzer, New York, N. Y.
Application June 5, 1951, Serial No. 15,422
Term of patent 7 years
(Cl. D3—10)



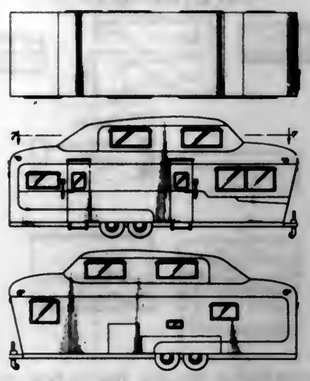
The ornamental design for a belt, substantially as shown.

164,524
DUPLEX HOUSE TRAILER
Richard Ten Eyck, Wichita, Kans.
Application January 18, 1951, Serial No. 13,850
Term of patent 14 years
(Cl. D14—3)

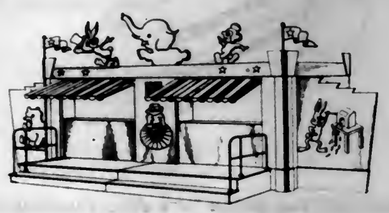


The ornamental design for a duplex house trailer, as shown.

164,524—Continued

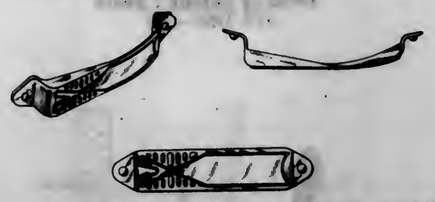


164,525
MOBILE REFRESHMENT STAND
Albert E. Umholtz, Oklahoma City, Okla.
Application June 26, 1950, Serial No. 10,764
Term of patent 7 years
(Cl. D13—1)



The ornamental design for a mobile refreshment stand, as shown and described.

164,526
HAIRPIN SPREADER
Theodore L. Unruh, Los Angeles, Calif.
Application April 20, 1951, Serial No. 14,906
Term of patent 14 years
(Cl. D86—3)



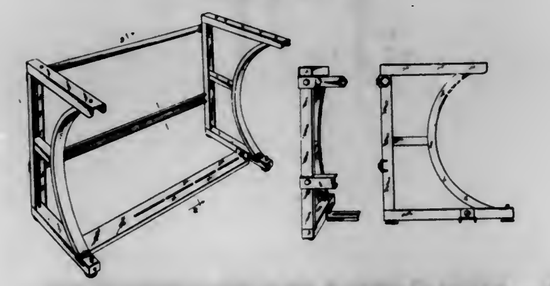
The ornamental design for a hairpin spreader, substantially as shown.

164,527
CHAIR
Jane E. Voelker and Edward Morgan Voelker, New Salem, Mass., and John W. Sabbagh, Jackson Heights, N. Y., assignors to Inventors Enterprises, Inc., New York, N. Y., a corporation of New York
Application September 16, 1949, Serial No. 5,041
Term of patent 14 years
(Cl. D15—1)



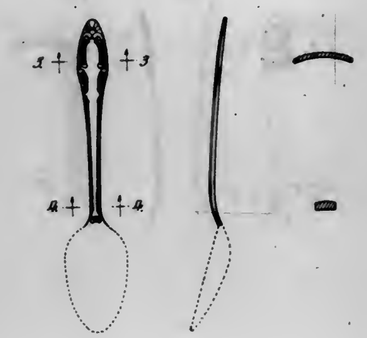
The ornamental design for a chair, as shown and described.

164,528
SUPPORTING BASE FOR A WORKTABLE OR THE LIKE
Max T. Voigt, Reading, Pa., assignor to American Safety Table Co., Inc., Mohnton, Pa., a corporation of Pennsylvania
Application February 6, 1948, Serial No. 144,325
Term of patent 14 years
(Cl. D33—14)



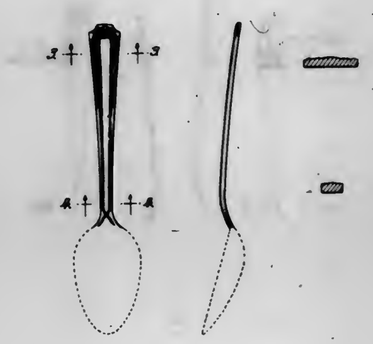
The ornamental design for a supporting base for a worktable or the like, as shown.

164,529
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,203
Term of patent 7 years
(Cl. D54—12)



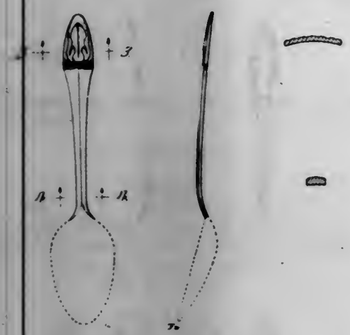
The ornamental design for a spoon or similar article, as shown and described.

164,530
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,204
Term of patent 7 years
(Cl. D54—12)



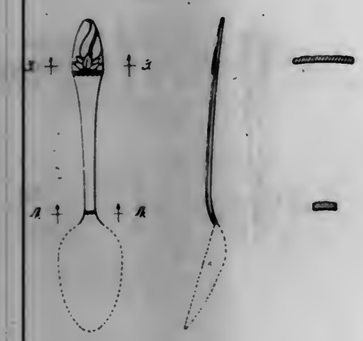
The ornamental design for a spoon or similar article, as shown and described.

164,531
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,207
Term of patent 7 years
(Cl. D54—12)



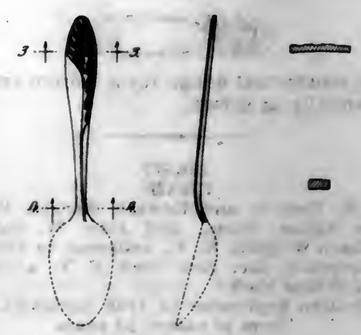
The ornamental design for a spoon or similar article, as shown and described.

164,532
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,208
Term of patent 7 years
(Cl. D54—12)



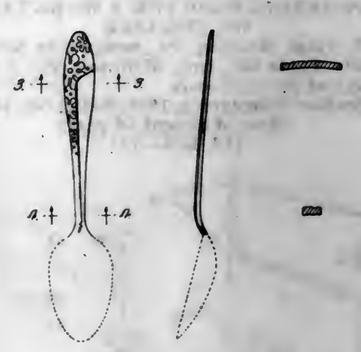
The ornamental design for a spoon or similar article, as shown and described.

164,533
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,209
Term of patent 7 years
(Cl. D54—12)



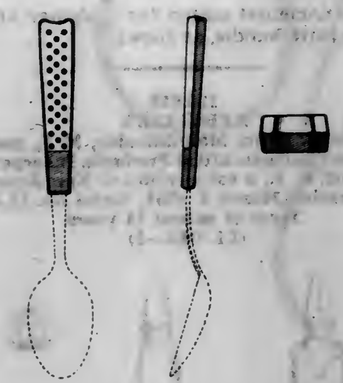
The ornamental design for a spoon or similar article, as shown and described.

164,534
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,210
Term of patent 7 years
(Cl. D54—12)



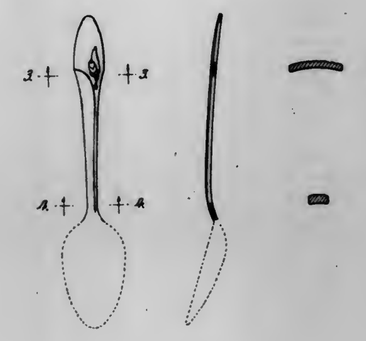
The ornamental design for a spoon or similar article, as shown and described.

164,535
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,211
Term of patent 7 years
(Cl. D54—12)



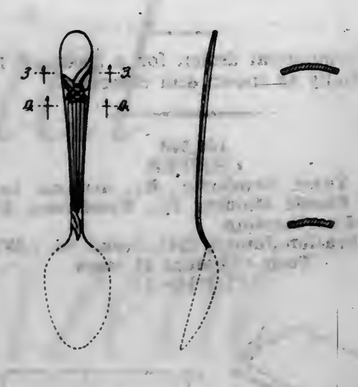
The ornamental design for a spoon or similar article, as shown and described.

164,536
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,213
Term of patent 7 years
(Cl. D54—12)



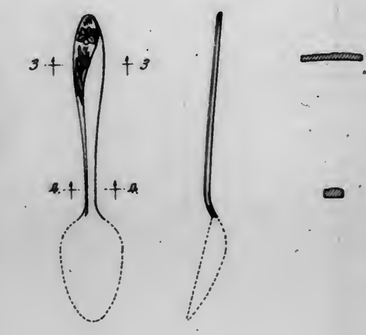
The ornamental design for a spoon or similar article, as shown and described.

164,537
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,214
Term of patent 7 years
(Cl. D54—12)



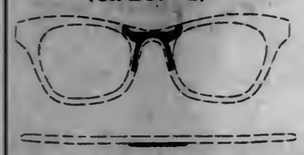
The ornamental design for a spoon or similar article, as shown and described.

164,538
SPOON OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,215
Term of patent 7 years
(Cl. D54—12)



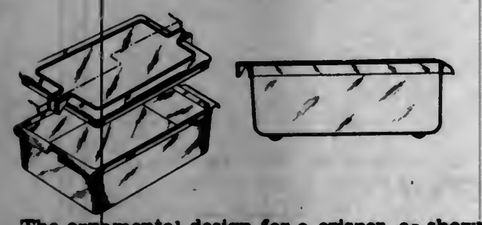
The ornamental design for a spoon or similar article, as shown and described.

164,539
SPECTACLE FRONT
Harry Weissman, New Hyde Park, N. Y.
Application May 3, 1951, Serial No. 15,044
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a spectacle front, substantially as shown and described.

164,540
CRISPER
Cyril J. Yates, Henderson, Ky., assignor to Tri-State Plastic Molding Co., Henderson, Ky., a limited partnership
Application June 2, 1949, Serial No. 2,997
Term of patent 14 years
(Cl. D44—1)



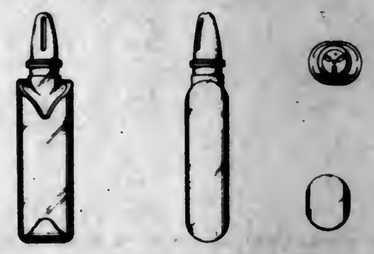
The ornamental design for a crisper, as shown and described.

164,541
SHOWER AND TUB DIVERTER VALVE HANDLE
Stephen A. Young, Delphi, Ind.
Application June 23, 1949, Serial No. 2,470
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a shower and tub diverter valve handle, as shown.

164,542
NEBULIZER
Lawrence H. Zahn, Mountainside, N. J., assignor to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
Application March 8, 1951, Serial No. 14,414
Term of patent 14 years
(Cl. D63—1)



The ornamental design for a nebulizer, as shown and described.

September 18, 1951 Volume 650 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

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CHARLES SAWYER, *Secretary*

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JOHN A. MARZALL, *Commissioner*

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S Tönsberg Bryggeri, Tonsberg, Norway. Quick frozen fruits, berries, currants, etc. Serial No. 578,184, Sept. 18. Class 46.

Abbott Laboratories, North Chicago, Ill. Vitamin A and D preparation. Serial No. 585,983, Sept. 18. Class 18.

Accordio-Tape System: *See*—
McCormick, John G.

Accurate Parts Manufacturing Company, Cleveland, Ohio. Automotive clutches and parts thereof, etc. Serial No. 571,387, Sept. 18. Class 23.

Adamo Co.: *See*—
Adamo, Joseph M.

Adamo, Joseph M., doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif. Non-skid rug compounds. Serial No. 606,065, Sept. 18. Class 6.

Alabama Mills, Inc., Birmingham, Ala. Fabrics. Serial No. 547,094, Sept. 18. Class 42.

Aladdin Industries, Incorporated, Chicago, Ill. Lunch boxes, lunch kits and picnic kits, etc. Serial No. 554,070, Sept. 18. Class 2.

Allianca Exportadora, Limitada, Lisbon, Portugal. Canned foods. Serial No. 597,568, Sept. 18. Class 46.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural machinery and implements, etc. Serial No. 604,949, Sept. 18. Class 23.

Altmann, Bernhard, New York, N. Y. Piece goods, elastic webbing, blankets, etc. Serial No. 599,302, Sept. 18. Class 42.

American Air Filter Company, Inc., Louisville, Ky. Air porous, sheet-like filter media. Serial No. 588,614, Sept. 18. Class 31.

American Air Filter Company, Inc., Louisville, Ky. Air porous, sheet-like filter media. Serial No. 588,925, Sept. 18. Class 31.

American Lava Corporation, Chattanooga, Tenn. Burner tips for gas. Serial No. 598,823, Sept. 18. Class 34.

American Pharmaceutical Company: *See*—
Aspirin Company of America.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Nails. Serial No. 600,752, Sept. 18. Class 13.

Anchor Optical Company: *See*—
Edmund, Norman W.

Anchor Packing Company, The, Philadelphia, Pa. Brake lining. Serial No. 608,587, Sept. 18. Class 35.

Anthony Mills: *See*—
Flour Mills of America, Inc.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Toilet water, perfume, rouge, etc. Serial No. 600,754. Sept. 18. Class 51.

Armitage, L. F., Company, Albert Lea, Minn. Work clothes. Serial No. 587,700, Sept. 18. Class 39.

Art-Mor Togs Inc., New York, N. Y. Ladies' and misses' playsuits, overalls, ski suits, etc. Serial No. 544,839, Sept. 18. Class 39.

Aspirin Company of America, assignor to American Pharmaceutical Company, New York, N. Y. Medicinal preparation. Serial No. 567,748, Sept. 18. Class 18.

B & B Importers, Dunellen, N. J. Cheese. Serial No. 608,403, Sept. 18. Class 46.

B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada. Fresh apples. Serial No. 604,063, Sept. 18. Class 46.

Bachmann Bros., Inc., Philadelphia, Pa. Sunglasses and goggles. Serial No. 609,276, Sept. 18. Class 26.

Bacino-Pizza Food Products Co., Inc., Calumet City, Ill. Pizza pie. Serial No. 601,418, Sept. 18. Class 46.

Bank of America National Trust and Savings Association, San Francisco, Calif. Savings account services. Serial No. 602,821, Sept. 18. Class 102.

Barker, Moore & Mein Company, Philadelphia, Pa. Compound for the prevention and control of cecal coccidiosis in chickens. Serial No. 597,868, Sept. 18. Class 18.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. Serial No. 607,112, Sept. 18. Class 42.

Batcheller's, Inc., Sioux Falls, S. Dak. Cattle feeds, hog feeds, and poultry feeds. Serial No. 608,341, Sept. 18. Class 46.

Bauer Alphabets Inc., New York, N. Y. Printing type. Serial No. 615,046, Sept. 18. Class 14.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets. Serial No. 590,878, Sept. 18. Class 42.

Bendix Aviation Corporation, Detroit, Mich. Indicating and/or recording instruments, controlling instruments, etc. Serial No. 593,159, Sept. 18. Class 26.

Berger, Samuel, doing business as Montauk Shirt Company, New York, N. Y. Men's dress shirts, sportswear, etc. Serial No. 583,323, Sept. 18. Class 39.

Bernheisel, Ben H., Milford, Ohio. Horseradish. Serial No. 607,890, Sept. 18. Class 46.

Blessing Co.: *See*—
Hillstrom, Sylvia.

Blue Star Foods, Inc., Rockford, Ill. Potato chips, potato wafers, shelled nuts, etc. Serial No. 603,041, Sept. 18. Class 46.

Blum, Milton C., Inc., New York, N. Y. Cotton piece goods. Serial No. 610,887, Sept. 18. Class 42.

Boner, Frank L., doing business as Lady Joan Laboratories, Reading, Pa. Sachet perfume. Serial No. 564,428, Sept. 28. Class 51.

Bow Solder Products Co., Inc., Brooklyn, N. Y. Solder. Serial No. 614,612, Sept. 18. Class 14.

Brewster Shirt Corp., New York, N. Y. Men's sport and dress shirts. Serial No. 606,261, Sept. 18. Class 39.

Bridge Hardware Co., Inc., New York, N. Y. Spring hydraulic closing pumps, automatic door openers and door closers, etc. Serial No. 591,451, Sept. 18. Class 23.

Broderick & Bascom Rope Company, St. Louis, Mo. Wire rope. Serial No. 584,316, Sept. 18. Class 7.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling alley combination cleaner and polish. Serial No. 565,230, Sept. 18. Class 4.

Burke, W. J., & Co., San Francisco, Calif. Form clamp. Serial No. 611,557, Sept. 18. Class 13.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. Serial No. 604,563, Sept. 18. Class 42.

Burns, Jabez, & Sons, Inc., New York, N. Y. Coffee roasters and driers. Serial No. 590,644, Sept. 18. Class 34.

Cafecofe Co.: *See*—
Saitz, Lyle A.

Cafécofe Corporation, assignee: *See*—
Saitz, Lyle A.

Calgon, Incorporated, Pittsburgh, Pa. Water softening and water conditioning chemicals. Serial No. 604,902, Sept. 18. Class 6.

California Prune and Apricot Growers Association, San Jose, Calif. Dried fruit. Serial No. 606,366, Sept. 18. Class 46.

Canterbury Press: *See*—
Parnell, Wallace R.

Capitol Milling Company, Los Angeles, Calif. Wheat flour. Serial No. 586,911, Sept. 18. Class 46.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asphalt compositions. Serial No. 556,476, Sept. 18. Class 1.

Cargill, Incorporated, Minneapolis, Minn. Parasiticides. Serial No. 607,792, Sept. 18. Class 6.

Casco Products Corporation, Bridgeport, Conn. Filled insecticide dispenser. Serial No. 582,271, Sept. 18. Class 6.

Casimir Funk Laboratories, Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 682,283, Sept. 18. Class 18.

Cerruti, Incorporated, New York, N. Y. Men's neckties and scarves. Serial No. 607,002, Sept. 18. Class 39.

Chapman Chemical Company, Memphis, Tenn. Insecticidal wood preservative. Serial No. 607,538, Sept. 18. Class 6.

Chase Turbine Mfg. Co., Orange, Mass. Sawdust blowers. Serial No. 562,320, Sept. 18. Class 23.

Chemical Service of Baltimore, Baltimore, Md. Floor wax. Serial No. 605,466, Sept. 18. Class 16.

Chopak-Solow Corp., New York, N. Y. Piece goods. Serial No. 599,226, Sept. 18. Class 42.

Ciba Limited, Basel, Switzerland. Antiseptic preparation. Serial No. 572,018, Sept. 18. Class 18.

Ciba Limited, Basel, Switzerland. Chemical products. Serial No. 607,939, Sept. 18. Class 6.

Citrus Products Company, Chicago, Ill. Non-alcoholic, maltless soft drinks, etc. Serial No. 588,479, Sept. 18. Class 45.

Clay-Adams Company, Inc., New York, N. Y. Microscope slides, microscope cover glasses. Serial No. 598,981, Sept. 18. Class 26.

Clearwater Finishing Company, Clearwater, S. C., and Olf Fort, N. C. Dyeing and finishing textile fabrics. Serial No. 592,981, Sept. 18. Class 106.

Columbia Malting Company, The, Chicago, Ill. Malt. Serial No. 605,351, Sept. 18. Class 46.

Comics Novelty Candy Corp., New York, N. Y. Packages containing candy and a toy. Serial No. 608,105, Sept. 18. Class 46.

Commercial Solvents Corporation, New York, N. Y. Chemical toxicants. Serial No. 588,553, Sept. 18. Class 6.

Communications Workers of America, Washington, D. C. Promoting, protecting, and advancing the general welfare and mutual interest of its members, etc. Serial No. 543,684, Sept. 18. Class 100.

Conover-Cable Piano Co., Chicago, Ill. Pianos. Serial No. 502,271, Sept. 18. Class 36.

Consolidated Refining Co., New York, N. Y. Fluxing preparation. Serial No. 608,106, Sept. 18. Class 6.

Copco Steel and Engineering Company, Detroit, Mich. Residential and industrial steel building products. Serial No. 554,650, Sept. 18. Class 12.

Cordes, Jules V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the treatment of psoriasis. Serial No. 582,165, Sept. 18. Class 18.

Cordes, Jules V., doing business as Shield Laboratories, Detroit, Mich. Preparation for the treatment of psoriasis. Serial No. 582,167, Sept. 18. Class 18.

Coronet Sportswear, Inc., Sunbury, Pa. Children's clothing. Serial No. 596,901, Sept. 18. Class 39.

Corrulux Corp., Houston, Tex. Reinforced plastic sheets. Serial No. 580,772, Sept. 18. Class 12.

Country Stores Brands, Inc., Chicago, Ill. Ready mixed oil paint. Serial No. 555,056, Sept. 18. Class 16.

Cronite Co., Inc., The, New York, N. Y. Wiping attachment for printing press. Serial No. 588,747, Sept. 18. Class 23.

Grundall, A. H., Proprietary Limited, Melbourne, Victoria, Australia. Inhalants. Serial No. 600,007, Sept. 18. Class 18.

Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Prepared fish. Serial No. 585,438, Sept. 18. Class 46.

Decca Record Company Limited, The, London, England. Mechanically grooved phonograph records. Serial No. 553,085, Sept. 18. Class 36.

Dick, A. B., Company, Chicago, Ill. Mimeograph inks, mimeograph protective covers, etc. Serial No. 582,214, Sept. 18. Class 11.

Dodson, Norris A., Incorporated, Dover, Del., and Washington, D. C. Enbalming chemicals. Serial No. 604,886, Sept. 18. Class 6.

Dollinger Corporation, Rochester, N. Y. Fireplace screen. Serial No. 601,778, Sept. 18. Class 34.

Driver, Wilbur B., Company, Newark, N. J. Rod, wire and flat strip formed of nickel, cobalt and iron alloys. Serial No. 614,760, Sept. 18. Class 14.

Dun & Bradstreet, Inc., New York, N. Y. Mercantile credit information service. Serial No. 602,895, Sept. 18. Class 101.

Eastman Machine Company, Buffalo, N. Y. Cloth cutting machines and parts thereof. Serial No. 551,173, Sept. 18. Class 23.

Edmund, Norman W., doing business as Anchor Optical Company, Audubon, N. J. Binoculars and magnifiers. Serial No. 607,582, Sept. 18. Class 26.

Elder, Paul B., Co., Bryan, Ohio. Liquid balm. Serial No. 591,361, Sept. 18. Class 18.

Ely & Walker Dry Goods Company, St. Louis, Mo. Handkerchiefs. Serial No. 592,987, Sept. 18. Class 39.

Emporium World Millinery Co., Chicago, Ill. Ladies' hats. Serial No. 606,516, Sept. 18. Class 39.

Enterprise Paint Manufacturing Company, Chicago, Ill. Interior and exterior ready-mixed paints, paint enamels, etc. Serial No. 548,153, Sept. 18. Class 16.

Epicure Fine Foods Co.: *See*—
Vogl, Arnold.

Estey Piano Corp., Bluffton, Ind. Pianos. Serial No. 594,959, Sept. 18. Class 36.

Etchison Hat Company, Inc., Richmond, Va. Men's felt hats. Serial No. 606,284, Sept. 18. Class 39.

Eutectic Welding Alloys Corporation, New York, N. Y. Welding flux material. Serial No. 594,203, Sept. 18. Class 6.

Fiat Metal Manufacturing Company, Franklin Park, Ill. Shower cabinets. Serial No. 611,512, Sept. 18. Class 13.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial and synthetic chemical compositions, natural and synthetic essential oils, etc. Serial No. 594,262, Sept. 18. Class 6.

Firmenich, Incorporated: *See*—
Firmenich & Co.

Flour Mills of America, Inc., Kansas City, Mo., doing business as Anthony Mills, Alva, Okla. Wheat flour. Serial No. 564,326, Sept. 18. Class 46.

Food Fair Stores, Inc., Philadelphia, Pa. Fresh potatoes. Serial No. 565,328, Sept. 18. Class 46.

Foregger Company, Inc., The, Roslyn Heights, N. Y. Inhalers. Serial No. 589,153, Sept. 18. Class 44.

4 Star Record Company, Inc., Pasadena, Calif. Mechanically grooved phonograph records. Serial No. 587,721, Sept. 18. Class 36.

Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. Serial No. 602,684, Sept. 18. Class 42.

Fujii Junichi Shoten, Limited, Honolulu, Territory of Hawaii. Canned prepared top-shell. Serial No. 600,428, Sept. 18. Class 46.

Gagnier Fibre Products Company, Detroit, Mich. Clip type metal fasteners. Serial No. 603,677, Sept. 18. Class 13.

Garden City Plating & Manufacturing Co., Chicago, Ill. Lighting fixtures. Serial No. 600,043, Sept. 18. Class 34.

Geigy Company, Inc., New York, N. Y. Preparations for killing weeds, etc., insecticides, fungicides, etc. Serial No. 606,464, Sept. 18. Class 6.

General Cable Corporation, New York, N. Y. Copper. Serial No. 591,029, Sept. 18. Class 14.

General Livestuff Corporation, New York, N. Y. Coloring materials. Serial No. 606,245, Sept. 18. Class 6.

General Paint Corporation of Canada Limited, Vancouver, British Columbia, Canada. Enamels. Serial No. 602,611, Sept. 18. Class 16.

Getz Bros. & Co., San Francisco, Calif. Canned fish. Serial No. 607,249, Sept. 18. Class 46.

Gielow, J. J., & Sons, Inc., Detroit, Mich. Cucumber pickles. Serial No. 523,380, Sept. 18. Class 46.

Glenwood Range Company, Taunton, Mass. Electric refrigerators. Serial No. 610,963, Sept. 18. Class 31.

Grey Iron Casting Company, Mount Joy, Pa. Sets of toy miniature replicas. Serial No. 579,816, Sept. 18. Class 22.

Gulf Minerals Corporation, Baton Rouge, La. Lead ingots and lead pigs. Serial No. 610,556, Sept. 18. Class 14.

Haering, D. W., & Co., Inc., San Antonio, Tex. Chemical product. Serial No. 607,627, Sept. 18. Class 6.

Hagan Corporation, Pittsburgh, Pa. Corrosion preventives and antifoaming agents. Serial No. 607,706, Sept. 18. Class 6.

Hammond Instrument Company, Chicago, Ill. Electrical musical instruments. Serial No. 590,155, Sept. 18. Class 36.

Handy, H. L., Company: *See*—
Swift & Company.

Hargo Sales Corp., New York, N. Y. Collapsible cigarette holder. Serial No. 589,444, Sept. 18. Class 8.

Hart, Schaffner & Marx, Chicago, Ill. Men's, women's, and boys' sportcoats, topcoats, leisure jackets, golf jackets, etc. Serial No. 607,813, Sept. 18. Class 39.

Henry, Clarence E., Pasco, Wash. Medicine, namely, an antacid preparation. Serial No. 606,610, Sept. 18. Class 18.

Hickey-Freeman Co., Rochester, N. Y. Men's suits and coats. Serial No. 604,261, Sept. 18. Class 39.

Hillstrom, Sylvia, doing business as Blessing Co., Wilton, Conn. Condiments. Serial No. 605,032, Sept. 18. Class 46.

Hinton, Albert C., Pittsburgh, Pa. Liniment. Serial No. 583,206, Sept. 18. Class 18.

Hoffman, George F., New York, N. Y. Hand tool. Serial No. 593,177, Sept. 18. Class 23.

Holloway M. J., & Co., Chicago, Ill. Candy. Serial No. 591,481, Sept. 18. Class 46.

Hollywood Brands, Inc., Centralia, Ill. Candy. Serial No. 586,857, Sept. 18. Class 46.

Horn & Hardart Baking Co., Philadelphia, Pa. Restaurant service. Serial No. 569,852, Sept. 18. Class 100.

Hubinger Company, The, Keokuk, Iowa. Laundry starch. Serial No. 606,219, Sept. 18. Class 6.

Huffman Manufacturing Company, The, Dayton, Ohio. Electrically operated lawn mower. Serial No. 597,080, Sept. 18. Class 23.

Hydraulic Press Manufacturing Company, The, Mount Gilead, Ohio. Valves. Serial No. 600,437, Sept. 18. Class 13.

Icy-Ike Co.: *See*—
Williamson, Donald H

Ideal Novelty & Toy Co., New York, N. Y., now by change of name Ideal Toy Corporation. Dolls. Serial No. 598,187, Sept. 18. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Imperial Outfitters to Large Men, Inc., New York, N. Y. Men's outer shirts. Serial No. 603,117, Sept. 18. Class 39.

Inland Air Lines, Inc., Los Angeles, Calif. Transportation of passengers, freight, and mail by airplane. Serial No. 593,872, Sept. 18. Class 105.

International Nickel Company, Inc., The, New York, N. Y. Nickel welding electrodes. Serial No. 616,231, Sept. 18. Class 14.

International Standard Electric Corporation, New York, N. Y. Household refrigerators, refrigeration condensing units, electrical water coolers. Serial No. 569,702, Sept. 18. Class 31.

Isaly Dairy Company, The, Youngstown, Ohio. Fresh fluid pasteurized milk, sweet cream, skim milk, etc. Serial No 563,933, Sept. 18. Class 46.

J O Manufacturing Co., South Gate, Calif. Mechanics' hand tools. Serial No. 538,286, Sept. 18. Class 23.

Jackson-Mitchell Pharmaceuticals, Inc.: *See*—
Special Milk Products, Inc.

Jefferson Island Salt Company, Louisville, Ky. Stock feeding salt. Serial No. 598,081, Sept. 18. Class 46.

Johnson Plastic Corporation, Middlefield, Ohio. Flexible plastic pipe and tubing, etc. Serial No. 603,063, Sept. 18. Class 35.

Kansas City Fire and Marine Insurance Company, Kansas City, Mo. Fire, marine, casualty, liability, theft and property damage insurance services. Serial No. 601,677, Sept. 18. Class 102.

Kenwood Laboratories, Inc., Brooklyn, N. Y. Tablet preparation used as a sedative. Serial No. 594,647, Sept. 18. Class 18.

Kinney and Company, Columbus, Ind. Preparation containing acid and sugar. Serial No. 604,372, Sept. 18. Class 18.

Kirsch Company, Sturgis, Mich. Curtain rods and drapery hardware. Serial No. 583,153, Sept. 18. Class 13.

Kloster Steel Corporation, Chicago, Ill. Die and tool steel. Serial No. 604,583, Sept. 18. Class 14.

Knapp-Monarch Company, St. Louis, Mo. Insecticides. Serial No. 595,502, Sept. 18. Class 6.

Kranich & Bach, New York, N. Y. Pianos. Serial No. 576,587, Sept. 18. Class 36.

Lady Joan Laboratories: *See*—
Boner, Frank L.

Lake County Cannery, Inc., Upper Lake, Calif. Canned vegetables. Serial No. 608,072, Sept. 18. Class 46.

Lake Shore Engineering Company, Iron Mountain, Mich. Cargo winches. Serial No. 569,526, Sept. 18. Class 23.

Landau, Louis, Inc., New York, N. Y. Window curtains. Serial No. 538,934, Sept. 18. Class 42.

Lang, Sandy, Chicago, Ill. Tethered ball toys. Serial No. 589,515, Sept. 18. Class 22.

Leeman, Stephen, Products Company, West Nyack and Teaberryport, West Nyack, N. Y. Fruit cake and flavor sugars. Serial No. 608,074, Sept. 18. Class 46.

Lehon Company, The, Chicago, Ill. Construction materials. Serial No. 520,725, Sept. 18. Class 12.

Lehon Company, The, Chicago, Ill. Crowbars, pinch bars, wrecking bars, etc. Serial No. 520,734, Sept. 18. Class 23.

Liberty Shrinkers Corp., New York, N. Y. Sponging, shrinking, fire-retarding, and decating, woolen materials. Serial No. 587,337, Sept. 18. Class 106.

Lilee Products, Inc., Chicago, Ill. Racks. Serial No. 612,079, Sept. 18. Class 13.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. Serial No. 538,305, Sept. 18. Class 46.

Llondale Shirt Company, New York, N. Y. Men's and boys' dress and sport shirts. Serial No. 606,616, Sept. 18. Class 39.

London Aluminium Company Limited, The, Witton, Birmingham, England. Aluminium saucepans, aluminium kettles, basins, etc. Serial No. 594,225, Sept. 18. Class 13.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour, bran, corn meal, etc. Serial No. 532,734, Sept. 18. Class 46.

Madeline Furs, Ltd., New York, N. Y. Ladies' fur coats, fur jackets, fur capes, etc. Serial No. 601,055, Sept. 18. Class 39.

Majax Co., The, Waco, Tex. Mechanical apparatus. Serial No. 572,908, Sept. 18. Class 23.

Majthenyi's Food Corp., Roosevelt, N. Y. Meat and vegetable aspics. Serial No. 596,856, Sept. 18. Class 46.

Maltbie Chemical Company, The: *See*—
Maltbie Laboratories, Inc.

Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company. Preparation for the treatment of chronic and acute coughs. Serial No. 566,350, Sept. 18. Class 18.

Manahan Moth Paper Company, New York and Brooklyn, N. Y. Collapsible storage chests, wardrobe box bags, storage bags, etc. Serial No. 563,747, Sept. 18. Class 2.

Mandee Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 591,428, Sept. 18. Class 42.

Marshall Field & Company, Chicago, Ill. Candy. Serial No. 589,100, Sept. 18. Class 46.

Masterpiece Foods, Inc., Santa Maria, Calif. Canned vegetables, tomato sauce, tomato purée, lima beans, etc. Serial No. 607,436, Sept. 18. Class 46.

Mathieson Chemical Corporation, Baltimore, Md. Insecticides. Serial No. 607,961, Sept. 18. Class 6.

Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints; ready mixed paint primers and sealers; etc. Serial No. 540,297, Sept. 18. Class 16.

Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints; ready mixed primers and sealers; etc. Serial No. 540,300, Sept. 18. Class 16.

Maxwell, John W., trading and doing business as Wood Bond Co., Wilmington, N. Y. Chemical composition. Serial No. 590,605, Sept. 18. Class 6.

Mayer, Oscar, & Co., Inc., Chicago, Ill. Vegetable shortening. Serial No. 599,891, Sept. 18. Class 46.

McCormick, John G., doing business as Accordio-Tape System, Minneapolis, Minn. Instructing in the playing of the accordion. Serial No. 597,346, Sept. 18. Class 107.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Men's, women's and children's hats and hat bodies. Serial No. 507,331, Sept. 18. Class 39.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,652, Sept. 18. Class 39.

Metzger Pharmacal Co., Inc., Roslyn Heights, N. Y. Medicinal preparation. Serial No. 596,040, Sept. 18. Class 18.

Mid-State Chemical Supply Co., Lindsay, Calif. Wetting agents. Serial No. 607,714, Sept. 18. Class 6.

Milbern Laboratories, Inc., Brooklyn, N. Y. Hair conditioning creme. Serial No. 585,596, Sept. 18. Class 51.

Mill & Mine Supply, Inc., assignor to Titan Chain Saws, Inc., Seattle, Wash. Gasoline powered chain saws. Serial No. 579,202, Sept. 18. Class 23.

Miller Protecto Products Co., Kalamazoo, Mich. Liquid air deodorant. Serial No. 607,635, Sept. 18. Class 6.

Min-Sun Trading Co.: *See*—
Min Sun Trading Co.

Min Sun Trading Co., Chicago, Ill., assignee of Min-Sun Trading Co. Canned bean sprouts, canned chop suey vegetables, canned chow mein noodles, etc. Serial No. 487,561, Sept. 18. Class 46.

Minnesota Mining and Manufacturing Company, St. Paul, Minn. Additive for bituminous cements. Serial No. 575,279, Sept. 18. Class 12.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Surface coated fiber composition board and blocks. Serial No. 591,946, Sept. 18. Class 12.

Monarch Manufacturing Company, Milwaukee, Wis. Outerwear for men, women and children. Serial No. 607,339, Sept. 18. Class 39.

Monark Silver King, Inc., Chicago, Ill. Lawnmowers. Serial No. 604,918, Sept. 18. Class 23.

Monsanto Chemical Company, St. Louis, Mo. Preservatives for wood, lumber and other cellulosic materials. Serial No. 571,654, Sept. 18. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Chemical preservatives. Serial No. 604,654, Sept. 18. Class 6.

Montauk Shirt Company: *See*—
Berger, Samuel.

Mother's Food Products, Inc., Newark, N. J. Sweet and sour fish. Serial No. 572,371, Sept. 18. Class 46.

N. V. J. Elias, Inc., New York, N. Y. Textile fabrics. Serial No. 601,140, Sept. 18. Class 42.

National Aluminate Corporation, Chicago, Ill. Ion exchange resins. Serial No. 607,900, Sept. 18. Class 6.

National Bakers Supply Corporation, Somerville, Mass. Candy marshmallows. Serial No. 608,828, Sept. 18. Class 46.

National Silver Company, New York, N. Y. Mug. Serial No. 611,851, Sept. 18. Class 13.

Neckwear Incorporated, Chicago, Ill. Neckties. Serial No. 605,911, Sept. 18. Class 39.

Nudelman, Charles W., Inc., New York, N. Y. Ladies' wearing apparel. Serial No. 610,090, Sept. 18. Class 39.

Nutrition Products Corporation, South Pasadena, Calif. Vitamin ard mineral tablets, etc. Serial No. 602,211, Sept. 18. Class 18.

Nylo-Save Laboratory: *See*—
Simsek, Rudolph.

Ollux Corporation, Fort Wayne, Ind. Water softening apparatus. Serial No. 571,912, Sept. 18. Class 31.

Oliver Corporation, The, Chicago, Ill. Tractors. Serial No. 570,316, Sept. 18. Class 23.

Omega Machine Company, Providence, R. I. Dust collectors. Serial No. 581,203, Sept. 18. Class 31.

Pan American Refining Corporation, New York, N. Y. Plasticizers, drying or semi-drying oils, and synthetic resins. Serial No. 607,345, Sept. 18. Class 6.

Panozzo, Louis, Rockford, Ill. Salad dressing. Serial No. 606,171, Sept. 18. Class 46.

Parlam Corporation, New York, N. Y. Anti-malarial drugs. Serial No. 596,437, Sept. 18. Class 18.

Parnell, Wallace R., doing business as Canterbury Press, Hollywood, Calif. Crossword puzzle publication. Serial No. 605,675, Sept. 18. Class 38.

Peer Food Products Company, Chicago, Ill. Meat products; and processed fruit. Serial No. 504,450, Sept. 18. Class 46.

Pennsylvania Optical Co.: *See*—
Pennsylvania Optical Company.

Pennsylvania Optical Company, also known as Pennsylvania Optical Co., Reading, Pa. Welding goggles and welding helmet lenses. Serial No. 611,145, Sept. 18. Class 26.

Permo, Incorporated, Chicago, Ill. Phonograph styli. Serial No. 600,227, Sept. 18. Class 36.

Pfeffer Milling Company, Lebanon, Ill. Self-rising wheat flour. Serial No. 584,508, Sept. 18. Class 46.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. Serial No. 593,287, Sept. 18. Class 18.

Pierce, F. O., Company, Long Island City, N. Y. Smooth semi-gloss flat paint and enamel finish. Serial No. 594,577, Sept. 18. Class 16.

Pioneer Life Insurance Company, Philadelphia, Pa. Underwriting life, health and accident insurance. Serial No. 602,469, Sept. 18. Class 102.

Piper Aircraft Corporation, Lock Haven, Pa. Airplanes and structural parts thereof. Serial No. 587,501, Sept. 18. Class 19.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Fungicides and insecticides. Serial No. 594,659, Sept. 18. Class 6.

Plasti-Liner Co., Inc., Buffalo, N. Y. Preparation for holding dentures in place while in use. Serial No. 592,406, Sept. 18. Class 51.

Potdevin Machine Company, Brooklyn, N. Y. Machines for making paper bags and tubes, paper printing and paper coating machines. Serial No. 580,261, Sept. 18. Class 23.

Powell Duffryn Limited, London, England. Chemical substances. Serial No. 582,421, Sept. 18. Class 6.

Powers Regulator Company, The, Chicago, Ill. Hand and power operated dampers, heating equipment dampers, and humidifiers. Serial No. 591,799, Sept. 18. Class 34.

Pressure Products Corporation, Chicago, Ill. Small portable gas burners. Serial No. 612,505, Sept. 18. Class 34.

Presto-Bolt Mfg. Co., Sun Valley, Calif. Bolts. Serial No. 581,889, Sept. 18. Class 13.

Prima Products, Inc., New York, N. Y. Water repellent film coating. Serial No. 608,124, Sept. 18. Class 16.

Pur-O-Pane Bottled Gas Company, Sparta, Ill. Propane gas. Serial No. 602,775, Sept. 18. Class 6.

RKO-Pathe Inc., New York, N. Y. Series of motion picture films. Serial No. 611,721, Sept. 18. Class 26.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa. Dress and sport shirts, shorts and pajamas, etc. Serial No. 604,326, Sept. 18. Class 39.

Raytheon Manufacturing Company, Newton, Mass. Apparatus for measuring distance. Serial No. 599,190, Sept. 18. Class 26.

Red Arrow Laboratories: *See*—
Southwestern Drug Corporation.

Reece, Herbert A., Cleveland Heights, Ohio. Iron and steel castings. Serial No. 615,573, Sept. 18. Class 14.

Regal Service and Sales Company, Inc., Baltimore, Md. Service and repair of oil burners. Serial No. 537,506, Sept. 18. Class 103.

Relax-O Co., Chicago, Ill. Hair conditioning cream. Serial No. 578,855, Sept. 18. Class 51.

Remco, Incorporated, Zelienople, Pa. Molded desiccant material. Serial No. 610,761, Sept. 18. Class 31.

Rhythm Lingerie, Inc., New York, N. Y. Ladies' and misses' camisoles, petticoats, slips, etc. Serial No. 609,740, Sept. 18. Class 39.

Ricciardi Co., Inc., The, New York, N. Y. Ice cream. Serial No. 585,395, Sept. 18. Class 46.

Richmond-Chase Company, San Jose, Calif. Canned fruits; canned vegetables; etc. Serial No. 556,656, Sept. 18. Class 46.

Rich's, Inc., Atlanta, Ga. Children's clothing. Serial No. 598,679, Sept. 18. Class 39.

Royal Robes Inc., New York, N. Y. Men's locker room aprons. Serial No. 595,416, Sept. 18. Class 39.

S. & D. Rivet Co.: *See*—
Steele & Busks Limited.

Saltz, Lyle A., doing business as The Cafecofe Co., assignor to Cafécofe Corporation, Philadelphia, Pa. Mixture of ground coffee kernels, ground cacao kernels and salt. Serial No. 607,604, Sept. 18. Class 46.

Schenley Laboratories, Inc., New York, N. Y. Penicillin and dihydrostreptomycin product. Serial No. 607,198, Sept. 18. Class 18.

Schwarz Laboratories, Inc., New York, N. Y. Adenosine triphosphoric acid. Serial No. 583,054, Sept. 18. Class 18.

Schwitzer-Cummins Company, Indianapolis, Ind. Water pump seals. Serial No. 608,679, Sept. 18. Class 35.

Service Manufacturing Co., Inc., New York, N. Y. Cowboy boots. Serial No. 602,168, Sept. 18. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Steriod compound having therapeutic properties. Serial No. 606,571, Sept. 18. Class 18.

Sheraton Mills, Inc., New York, N. Y. Piece goods. Serial Nos. 605,920–1, Sept. 18. Class 42.

Sherwin-Williams Company, The, Cleveland, Ohio. Lacquers. Serial No. 606,496, Sept. 18. Class 16.

Shield Laboratories: *See*—
Corden, Jules V.

Shirtcraft Company, Inc., The, New York, N. Y. Outer shirts. Serial No. 589,342, Sept. 18. Class 39.

Shotwell Mfg. Co., The, Chicago, Ill. Chocolates. Serial No. 567,662, Sept. 18. Class 46.

Sil-oo-Ette Systems of Ohio, Inc., Columbus, Ohio, and New York, N. Y. Posture correction and slenderizing service. Serial No. 598,549, Sept. 18. Class 100.

Sims, James H., Simsville, Ala. Clover seed. Serial No. 606,337, Sept. 18. Class 1.

Smisek, Rudolph, doing business as Nylo-Save Laboratory, Willoughby, Ohio. Rinse for nylon hosiery. Serial No. 593,517, Sept. 18. Class 6

Smith, Kline & French Laboratories, Philadelphia, Pa. Antibiotic—sulfonamide preparation. Serial No. 605,236, Sept. 18. Class 18.

Soc. P. A. Besana, Milan, Italy. Cakes, candy, biscuits, etc. Serial No. 559,600, Sept. 18. Class 46.

Societe Anonyme André Citroën, Paris, France. Traction engines, internal-combustion engines and structural parts thereof. Serial No. 569,307, Sept. 18. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Compound of petroleum oils. Serial No. 607,690, Sept. 18. Class 6.

Southwestern Drug Corporation, doing business as Red Arrow Laboratories, Waco, Tex. Antiseptic mouth wash. Serial No. 559,255, Sept. 18. Class 18.

Soya Food Products, Inc., Cincinnati, Ohio. Canned bean sprouts and fast frozen vegetable chop suey. Serial No. 548,544, Sept. 18. Class 46.

Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc. Antacid tablet. Serial No. 592,523, Sept. 18. Class 18.

Specialized Instruments Corporation, Belmont, Calif. Centrifuge equipment. Serial No. 598,331, Sept. 18. Class 21.

Standard Milling Company, assignee: *See*—
Loudonville Milling Company, The.

Standard Milling Company, Chicago, Ill. Powdered egg product. Serial No. 606,058, Sept. 18. Class 46.

Starline Inc., Harvard, Ill. Barn door hardware. Serial No. 574,595, published Sept. 18. Class 13.

Stauffer Chemical Company, San Francisco, Calif. Pest control material. Serial No. 607,648, Sept. 18. Class 6.

Steele & Busks Limited, trading as S. & D. Rivet Co., Leicester, England. Bifurcated and tubular rivets and upholstery nails. Serial No. 606,634, Sept. 18. Class 13.

Stevens, Chas. A., & Co., Chicago, Ill. Knit dresses, sport dresses, skirts, etc. Serial No. 579,224, Sept. 18. Class 39.

Sunnen Products Company, St. Louis, Mo. Honing tools and parts thereof. Serial No. 596,245, Sept. 18. Class 23.

Sun Rubber Company, The, Barberton, Ohio. Layettes for dolls. Serial No. 602,228, Sept. 18. Class 22.

Sunset Packing Co., Inc., Pembroke, and West Pembroke, Maine. Canned fish. Serial No. 574,065, Sept. 18. Class 46.

Swift & Company, Chicago, Ill. Salami. Serial No. 546,249, Sept. 18. Class 46.

Swift & Company, doing business as H. L. Handy Company, Chicago, Ill. Meat products. Serial No. 606,182, Sept. 18. Class 46.

Synthetic Plastics Company, Newark, N. J. Mechanically grooved phonograph records. Serial No. 577,823, Sept. 18. Class 36.

T & N Valve Company, Shandon, Calif. Float valves. Serial No. 610,390, Sept. 18. Class 13.

Taco Heaters, Incorporated, Providence, R. I. Valves. Serial No. 611,048, Sept. 18. Class 13.

Technical Rubber Co., Johnstown, Ohio. Pneumatic tire vulcanizing units. Serial No. 595,292, Sept. 18. Class 35.

Technicon Chromatography Corporation, assignor to The Technicon Company, New York, N. Y. Apparatus for collecting fractions or samples of materials. Serial No. 578,740, Sept. 18. Class 26.

Technicon Company, The: *See*—
Technicon Chromatography Corporation.

Technicon Company, The, New York, N. Y. Apparatus and implements used in the preparation of or in connection with microscope slides, etc. Serial No. 610,195, Sept. 18. Class 26.

Texas Textile Mills, Dallas, Tex. Fabrics. Serial No. 600,707, Sept. 18. Class 42.

Theobald Industries, The, Kearny, N. J. General house bleach. Serial No. 607,651, Sept. 18. Class 6.

Tide-Overs Company, Providence, R. I. Coverings for the shoes and ankles. Serial No. 581,387, Sept. 18. Class 39.

Titan Chain Saws, Inc., assignee: *See*—
Mill & Mine Supply, Inc.

Tonak, továrny na klobouky národní podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. Serial No. 588,607, Sept. 18. Class 39.

Tonak, továrny na klobouky národní podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. Serial No. 589,128, Sept. 18. Class 39.

Tonak, továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia. Hats and hat bodies. Serial No. 600,313, Sept. 18. Class 39.

Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Confections. Serial No. 608,131, Sept. 18. Class 46.

Traford Fabrics, Inc., New York, N. Y. Fabrics. Serial No. 602,231, Sept. 18. Class 42.

Trimble Hat Company, The, Minneapolis, Minn. Men's hats. Serial No. 595,105, Sept. 18. Class 39.

Tru-Gan Manufacturing Co., Inc., Cleveland, Ohio. Vests. Serial No. 600,864, Sept. 18. Class 39.

Truval Manufacturers, Inc., New York, N. Y. Sport shirts. Serial No. 604,404, Sept. 18. Class 39.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

United States Plywood Corporation, New York, N. Y. Pipe tubing, and fittings. Serial No. 588,056, Sept. 18. Class 13.

United States Steel Corporation, New York, N. Y. Wire for use as strings in musical instruments. Serial No. 594,156, Sept. 18. Class 36.

V & M Beverage Company, Wellsburg, W. Va. Maltless soft drinks and carbonated waters, etc. Serial No. 587,512, Sept. 18. Class 45.

Van Brode Milling Co., Inc., Clinton, Mass. Insecticides. Serial No. 607,730, Sept. 18. Class 6.

Van de Kamps Holland Dutch Bakers, Inc., Los Angeles, Calif. Bread, rolls, coffee cakes, etc. Serial No. 527,028, Sept. 18. Class 46.

Verkade's Fabrieken, N. V., Zaandam, Netherlands. Paraffin, tapers, and candles. Serial No. 592,853, Sept. 18. Class 15.

Vitaminerals, Inc., Glendale, Calif. Medicinal and pharmaceutical preparations. Serial No. 596,887, Sept. 18. Class 18.

Vogl, Arnold, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine. Canned fish. Serial No. 582,713, Sept. 18. Class 46.

W. L. W. Grinding and Manufacturing Company, Inc., Chicago, Ill. Scissors. Serial No. 593,759, Sept. 18. Class 23.

Waite Carpet Co., Oshkosh, Wis. Rugs and carpets. Serial No. 603,623, Sept. 18. Class 42.

Wampole, Henry K., & Company, Incorporated, Philadelphia, Pa. Medicinal iodine preparation. Serial No. 593,033, Sept. 18. Class 18.

Warren-Douglas Chemical Co. Inc., Omaha, Nebr. 2,4-D ester weed killer, 2,4-D amine weed killer, grain fumigant, etc. Serial No. 590,770, Sept. 18. Class 6.

Washburn & Granger, Inc., New York, N. Y. Cabinet type steam and hot water washers and sterilizers. Serial No. 592,239, Sept. 18. Class 23.

Weiner, Martin, Corp., New York, N. Y. Textile fabrics, in the piece. Serial No. 606,185, Sept. 18. Class 42.

Weinrich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. Serial No. 585,002, Sept. 18. Class 28.

West Bend Aluminum Co., West Bend, Wis. Cooking utensils. Serial No. 600,204, Sept. 18. Class 13.

West Disinfecting Company, Long Island City, N. Y. Chemical compositions. Serial No. 607,911, Sept. 18. Class 6.

West Disinfecting Company, Long Island City, N. Y. Chemical compositions. Serial Nos. 607,913–15, Sept. 18. Class 6.

Western Tablet & Stationery Corporation, Dayton, Ohio. Partially printed time books. Serial No. 526,095, Sept. 18. Class 37.

Williamson, Donald H., doing business as Icy-Ike Co., Galesburg, Ill. Ice cream and cake. Serial No. 567,013, Sept. 18. Class 46.

Wilson Jones Company, Chicago, Ill. Portable envelope opening machines. Serial No. 598,229, Sept. 18. Class 23.

Winton Lumber Company, Minneapolis, Minn. Lumber. Serial No. 544,237, Sept. 18. Class 12.

Wolcott Company, The, Hartford, Conn. Metal trays. Serial No. 595,604, Sept. 18. Class 13.

Wood Bond Co.: *See*—
Maxwell, John W.

Wurlitzer, Rudolph, Company, The, Chicago, Ill. Pianos, trumpets, saxophones, etc. Serial No. 595,434, Sept. 18. Class 36.

Wyeth Incorporated, Philadelphia, Pa. Educational moving pictures. Serial No. 607,467, Sept. 18. Class 26.

Young Brothers Company, Cleveland, Ohio. Industrial ovens and dryers. Serial No. 598,770, Sept. 18. Class 34.

Young Radiator Company, Racine, Wis. Heat exchange devices. Serial No. 579,066, Sept. 18. Class 34.

Young Radiator Company, Racine, Wis. Heat transfer units. Serial Nos. 598,407–8, Sept. 18. Class 34.

LIST OF REGISTRANTS OF TRADE-MARKS

Ar. Winarick, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, beauty creams, etc. 275,460, Sept. 23, 1930. Amended. O. G. Sept. 18. Class 6.

A/S Arendal Smeltverk, Eydehavn, near Arendal, Norway. Silicium carbide, an electric-furnace product used for abrasive and polishing purposes. 283,417, renewed May 26, 1951. O. G. Sept. 18. Class 4.

Aabel, Per, doing business as The Vaco Company, New York, N. Y. Knives, forks, and spoons. 548,455, Sept. 18; Serial No. 609,583, published June 5, 1951. Class 23.

Ace Art Company, Reading, Mass. Corner mounts for photographs. 548,075, Sept. 18; Serial No. 532,064, published June 19, 1951. Class 37.

Acme Backing Corporation, Brooklyn, N. Y. Packaging materials. 548,245, Sept. 18; Serial No. 592,179, published June 19, 1951. Class 37.

Acme Quilting Company, Inc., Brooklyn, N. Y. Textile quilting, quilts, and quilted mattress protectors. 548,264, Sept. 18; Serial No. 594,876, published June 19, 1951. Class 42.

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 548,260, Sept. 18; Serial No. 594,182, published May 29, 1951. Class 23.

Aetna-Standard Engineering Company, The, Youngstown, Ohio. Metal working machinery, etc. 548,103, Sept. 18; Serial No. 552,626, published May 22, 1951. Class 23.

Ahlberg Bearing Company, Chicago, Ill. Ball bearings. 548,414, Sept. 18; Serial No. 604,062, published May 29, 1951. Class 23.

Alamac Knitting Mills, Inc., New York, N. Y. Knitted fabrics. 548,314, Sept. 18; Serial No. 599,737, published June 19, 1951. Class 42.

Aldens, Inc., Chicago, Ill. Fishing reels, rods, poles, etc. 548,449, Sept. 18; Serial No. 608,486, published June 19, 1951. Class 22.

American Art Clay Company, Indianapolis, Ind. Permanently-plastic modeling clay. 548,372, Sept. 18; Serial No. 602,356, published June 12, 1951. Class 1.

American Bakeries Company, Atlanta, Ga. Crackers. 548,078, Sept. 18; Serial No. 534,500, published June 26, 1951. Class 46.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels, pretzel sticks, and potato chips. 548,307, Sept. 18; Serial No. 599,408, published June 19, 1951. Class 46.

American Gas Machine Company, Albert Lea, Minn. Gas burning water heaters, oil burning furnaces, gas burning space heaters, etc. 548,300, Sept. 18; Serial No. 599,070, published June 19, 1951. Class 34.

American Pulley Company, The, Philadelphia, Pa. Pressed-steel hand-operated trucks. 548,092, Sept. 18; Serial No. 547,411, published June 19, 1951. Class 19.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Wire used as strings for musical instruments. 548,139, Sept. 18; Serial No. 568,826, published June 26, 1951. Class 36.

American Stores Company, Philadelphia, Pa. Packaged breakfast cereals. 548,229, Sept. 18; Serial No. 590,057, published May 22, 1951. Class 46.

American Stores Company, Philadelphia, Pa. Evaporated milk. 548,274, Sept. 18; Serial No. 596,252, published May 22, 1951. Class 46.

Ames Company, Inc., Elkhart, Ind. Cholagogues and choleretics for the treatment of all diseases. 436,238, Jan. 27, 1948. Republished Sept. 18. Class 18.

Analco Products, Irvington, N. J. Metal giftware. 548,399, Sept. 18; Serial No. 603,276, published June 26, 1951. Class 13.

Anstice, Josiah, & Co. Inc., Rochester, N. Y., to Toledo Scale Company, Toledo, Ohio. Vegetable peelers, slicers, French-fry cutters, etc. 280,810, renewed Mar. 3, 1951. O. G. Sept. 18. Class 23.

Aquist, Artur, Stockholm, Sweden. Safety razor blades. 548,222, Sept. 18; Serial No. 589,192, published May 22, 1951. Class 23.

Arbrefen Laboratories, Inc., Wilmington, Del. Antidegenerative, anti-neoplasmic, therapeutic, etc. tonic. 548,349, Sept. 18; Serial No. 601,249, published June 12, 1951. Class 18.

Archer Mills, Inc., Columbus, Ga. Ladies' hosiery. 548,302, Sept. 18; Serial No. 599,217, published June 19, 1951. Class 39.

Arms, Leland J., San Francisco, Calif. Mechanically grooved phonograph records. 548,476, Sept. 18; Serial No. 575,390. Class 36.

Arnold Tackle Corporation, The, Paw Paw, Mich. Artificial bait. 548,405, Sept. 18; Serial No. 603,709, published July 3, 1951. Class 22.

Arnold Tackle Corporation, The, Paw Paw, Mich. Artificial bait. 548,406, Sept. 18; Serial No. 603,711, published July 3, 1951. Class 22.

Arrowhead Beverage Co.: *See*—
Arrowhead Springs Beverage Co.

Arrowhead Springs Beverage Co., by Arrowhead Beverage Co., Los Angeles, Calif. Carbonated, nonalcoholic, noncereal, maltless, beverages. 260,526, Aug. 27, 1929. Republished Sept. 18. Class 45.

Ashkar, Albert J., Los Angeles, Calif., assignee of Ashkar & Shabouh. Fresh vegetables. 548,484, Sept. 18; Serial No. 598,564, Class 46.

Ashkar & Shabouh: *See*—
Ashkar, Albert J.

Associated Grocers Company of St. Louis, Missouri, St. Louis, Mo. Wheat flour, coffee, olives, etc. 548,360, Sept. 18; Serial No. 601,657, published May 29, 1951. Class 46.

Associated Merchandising Corporation, The, New York, N. Y. Sheet blankets, towels, mattress pads, etc. 548,322, Sept. 18; Serial No. 600,099, published June 19, 1951. Class 42.

Atlanta Products Corp., New York, N. Y. Canned ham. 548,340, Sept. 18; Serial No. 601,012, published June 5, 1951. Class 46.

Atkins Pickle Company, Atkins, Ark. Pickled tomatoes. 548,333, Sept. 18; Serial No. 600,410, published May 15, 1951. Class 46.

Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif. Frozen food products. 548,242, Sept. 18; Serial No. 591,975, published June 19, 1951. Class 46.

Baby Tots Studio, Berwyn, Ill. Finished photographs. 548,118–19, Sept. 18; Serial Nos. 558,820–1, published June 12, 1951. Class 38.

Baitch & Castaldi, Inc., New York, N. Y. Ladies', misses', and juniors' coats and suits. 548,303, Sept. 18; Serial No. 599,221, published June 12, 1951. Class 39.

Balaban & Katz Corporation, Chicago, Ill. Entertainment service. 548,469, Sept. 18; Serial No. 592,466, published June 19, 1951. Class 107.

Baldwin Rubber Company, Pontiac, Mich. Rubber products adapted for automobiles. 548,093, Sept. 18; Serial No. 547,419, published June 19, 1951. Class 19.

Bannister, Constance, New York, N. Y. Illustrated features and photographic comic strips. 444,564, Sept. 18; Serial No. 489,932, published June 19, 1951. Class 38.

Barden Corporation, The, Danbury, Conn. Ball bearings. 548,207, Sept. 18; Serial No. 586,514, published May 22, 1951. Class 23.

Barker, Moore & Mein Company, Philadelphia, Pa. Periodical publication. 287,080, renewed Sept. 15, 1951. O. G. Sept. 18. Class 38.

Barton, Inc., Brooklyn, N. Y. Candies. 548,148, Sept. 18; Serial No. 573,609, published May 8, 1951. Class 46.

Bass, G. H., & Co., Wilton, Maine. Infants' moccasins. 548,081, Sept. 18; Serial No. 537,404, published June 12, 1951. Class 39.

Batter Rich Corporation, Woodside, N. Y. Prepared mix for pancakes, waffles, cakes, etc. 548,347, Sept. 18; Serial No. 601,189, published June 19, 1951. Class 46.

Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle frames and mountings. 548,424, Sept. 18; Serial No. 604,316, published May 22, 1951. Class 26.

Bay City Freezer, Inc., Bay City, Mich. Frozen vegetables. 548,291, Sept. 18; Serial No. 597,660, published Apr. 17, 1951. Class 46.

Bay State Thread Works, Springfield, Mass. Cotton thread. 548,421, Sept. 18; Serial No. 604,185, published June 26, 1951. Class 43.

Beardsley's, J. W., Sons, Newark, N. J. Salt codfish, codfish cakes, dried beef, etc. 548,475, Sept. 18; Serial No. 560,158. Class 46.

Beautykote Corporation, Newark, N. J. Ready-mixed paints, varnishes and paint enamels. 315,725, Aug. 7, 1934. Republished Sept. 18. Class 16.

Becker, Henry, & Son, Inc., Roseland, N. J. Milk. 289,162–3, renewed Nov. 17, 1951. O. G. Sept. 18. Class 46.

Bemis Bro. Bag Company, Minneapolis, Minn. Paper bags and cartons. 288,379, renewed Nov. 3, 1951. O. G. Sept. 18. Class 2.

Bendix Aviation Corporation, Teterboro, N. J. Fluid filters. 544,565, Sept. 18; Serial No. 503,419, published Dec. 16, 1947. Class 23.

Benmont Papers Inc., Bennington, Vt. Wrapping paper. 548,309, Sept. 18; Serial No. 599,490, published June 5, 1951. Class 37.

Berecochea, Juan A., New York, N. Y. Magnetic belts used for therapeutic or corrective purposes. 548,398, Sept. 18. Serial No. 603,106, published June 12, 1951. Class 44.

Best & Co., Inc., New York, N. Y. Women's, misses', and children's dresses, coats, suits, etc. 548,192, Sept. 18; Serial No. 583,316, published June 26, 1951. Class 39.

Bilnor Corp., Maspeth, N. Y. Inflatable boats. 548,331, Sept. 18; Serial No. 600,368, published June 5, 1951. Class 19.

Black Board Buddy Company, Inc., Portland, Oreg. Chalk holder. 548,336, Sept. 18; Serial No. 600,761, published May 29, 1951. Class 37.

Black Flag Company, The, Baltimore, Md., to Boyle-Midway Inc., New York, N. Y. Insecticides. 286,271, renewed Aug. 25, 1951. O. G. Sept. 18. Class 6.

Black River Shoe Co., The, Poplar Bluff, Mo. Infants' and children's shoes, sandals, and boots. 548,138, Sept. 18; Serial No. 567,621, published June 26, 1951. Class 39.

Bloxsom, Allan, Houston, Tex. Base metal or plastic guards. 548,101, Sept. 18; Serial No. 551,220, published June 26, 1951. Class 13.

Blue Bell, Inc., Greensboro, N. C. Ladies' and girls' dungarees. 548,417, Sept. 18; Serial No. 604,142, published June 12, 1951. Class 39.

Blue Bell, Inc., Greensboro, N. C. Ladies', girls', and kiddies' (girls') dungarees. 548,418, Sept. 18; Serial No. 604,143, published June 12, 1951. Class 39.

Blum Store, The, Philadelphia, Pa. Women's and misses', juniors', and children's suits, coats, dresses, etc. 548,168, Sept. 18; Serial No. 578,366, published June 5, 1951. Class 39.

Blum's, San Francisco, Calif. Candy. 548,308, Sept. 18; Serial No. 599,415, published May 8, 1951. Class 46.

Borg-Warner Corporation: *See*—
Ingersoll Steel and Disc Co.

Borgsmiller, Henry, & Sons, Murphysboro, Ill. Canned vegetables, canned fruits, etc. 548,082, Sept. 18; Serial No. 539,125, published May 29, 1951. Class 46.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woolen and worsted piece goods. 327,651, Sept. 3, 1935. Republished Sept. 18. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 347,117, June 15, 1937. Republished Sept. 18. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Hand knitting yarns. 404,135, Nov. 2, 1943. Republished Sept. 18. Class 43.

Boyar Burton A.: *See*—
Dishmaster Corporation.

Bradley, Milton, Company, Springfield, Mass. Crayons. 548,191, Sept. 18; Serial No. 583,309, published May 15, 1951. Class 37.

Bray, Geo. & Co., Limited, Leeds, England. Gas burners. 548,239, Sept. 18; Serial No. 591,277, published June 19, 1951. Class 34.

Breck, John H., Inc., Springfield, Mass. Preparations for the treatment of the hair and scalp. 285,031, renewed July 14, 1951. O. G. Sept. 18. Class 51.

Brewster Manufacturing Co., Brooklyn, N. Y. Automobile seat covers. 548,221, Sept. 18; Serial No. 588,933, published June 5, 1951. Class 19.

Brighton Copper Works, Inc., Cincinnati, Ohio. Varnish kettles and parts thereof, vacuum pans, etc. 548,063, Sept. 18; Serial No. 519,114, published June 12, 1951. Class 34.

Brill, H. C., Company, Inc., Newark, N. J. Spaghetti sauce, Spanish rice and macaroni dinner. 548,301, Sept. 18; Serial No. 599,080, published May 29, 1951. Class 46.

Buckeye Aluminum Company, The, Wooster, Ohio. Aluminum cooking utensils and kitchen utensils and aluminum waterless cookware. 548,077, Sept. 18; Serial No. 533,531, published July 3, 1951. Class 13.

Bulletin Company, Philadelphia, Pa. Information service. 548,458, Sept. 18; Serial No. 543,253, published Jun. 26, 1951. Class 107.

Burboy: *See*—
Dishmaster Corporation.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 548,230, Sept. 18; Serial No. 590,069, published June 19, 1951. Class 42.

Burnex Products Co.: *See*—
Silber, Samuel.

Burrus Mills, Incorporated: *See*—
Tex-O-Kan Flour Mills Co.

Byers, A. M., Company, Pittsburgh, Pa. Metal blooms, slabs, billets, etc. 548,169, Sept. 18; Serial No. 578,435, published July 3, 1951. Class 14.

C. I. T. Financial Corporation, New York, N. Y. Financial factoring. 548,462, Sept. 18; Serial No. 561,077, published Jan. 16, 1951. Class 102.

C. J. W. Corp., North Hollywood, Calif. Releasable locking buckles. 548,479; Serial No. 584,663. Class 13.

Calliday of California, Los Angeles, Calif. Ladies' suits and coats. 548,170, Sept. 18; Serial No. 578,566, published June 12, 1951. Class 39.

Campbell, Charles, Avon, S. Dak. Preparations for the treatment of dandruff, scalp irritations and ring worm. 548,478, Sept. 18; Serial No. 582,268. Class 18.

Candy Kitchens, Inc., Chicago, Ill. Candy. 286,397, renewed Aug. 25, 1951. O. G. Sept. 18. Class 46.

Candy Kitchens, Inc., Chicago, Ill. Candy. 286,931, renewed Sept. 8, 1951. O. G. Sept. 18. Class 46.

Cape Cod Shop, Damariscotta, Maine. Metal tankards and trays of base metal. 548,102, Sept. 18; Serial No. 552,033, published June 26, 1951. Class 34.

Cardinet Candy Company, Inc., Oakland, Calif. Confection mixture. 548,117, Sept. 18; Serial No. 558,628, published May 1, 1951. Class 46.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos ducts. 548,112, Sept. 18; Serial No. 556,284, published June 26, 1951. Class 34.

Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Paper. 548,114, Sept. 18; Serial No. 556,773, published June 12, 1951. Class 37.

Carlisle Shoe Company, Carlisle, Pa. Ladies' and girls' shoes. 548,410, Sept. 18; Serial No. 603,834, published June 12, 1951. Class 39.

Carwood Manufacturing Company, Winder, Ga. Men's and boys' work pants, work shirts, overalls, etc. 548,086, Sept. 18; Serial No. 540,980, published June 26, 1951. Class 39.

Chan, George, doing business as Chan The Candy Man, Chicago, Ill. Candy. 548,266, Sept. 18; Serial No. 595,245, published June 19, 1951. Class 46.

Chan The Candy Man: *See*—
Chan, George.

Chicago World Publishing Company, Inc., The, Chicago Ill. Weekly newspaper. 548,390, Sept. 18; Serial No 602,889, published June 19, 1951. Class 38.

Chippewa Paper Products Co., Inc., Chicago, Ill. Corrugated paper. 548,205, Sept. 18; Serial No. 586,138, published June 5, 1951. Class 37.

Clark Equipment Company, Buchanan, Mich. Industrial trucks and tractors. 548,064, Sept. 18; Serial No. 523,769, published May 29, 1951. Class 23.

Cleveland Crane & Engineering Company, The, Wickliffe, Ohio. Metal cutting and forming machinery. 548,069, Sept. 18; Serial No. 529,962, published May 29, 1951. Class 23.

Cock'n Bull Products, Los Angeles, Calif. Copper mugs. 548,072, Sept. 18; Serial No. 531,019, published July 3, 1951. Class 13.

Cohn & Rosenberger, Inc., to Coro, Inc., New York, N. Y. Pearls, necklaces, bracelets, etc. 285,209, renewed July 21, 1951. O. G. Sept. 18. Class 28.

Colt Ranch, Inc., Firebaugh, Calif. Fresh melons. 548,062, Sept. 18; Serial No. 511,933, published May 22, 1951. Class 46.

Coleman Company, Inc., The, Wichita, Kans. Hot air furnace, fan, and ducts for circulating air. 548,177, Sept. 18; Serial No. 580,646, published June 26, 1951. Class 34.

Colonial Tanning Company, Inc., Boston, Mass. Leathers. 548,381–2, Sept. 18; Serial Nos. 602,749–50, published June 12, 1951. Class 1.

Columbia Auto Seat Cover Co., Inc., Los Angeles, Calif. Automobile seat covers. 548,212, Sept. 18; Serial No. 587,466, published June 5, 1951. Class 19.

Columbia Broadcasting System, Inc., New York, N. Y. Radio program broadcasting services. 548,459, Sept. 18; Serial No. 545,080, published June 19, 1951. Class 104.

Connell Bros. Company, Limited, San Francisco, Calif. Canned fruits and vegetables. 548,297, Sept. 18; Serial No. 598,834, published June 5, 1951. Class 46.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 283,568–9, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating grease. 283,570, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 283,571, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating grease. 283,572–3, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 283,574, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating grease. 283,689, renewed June 2, 1951. O. G. Sept. 18. Class 15.

Continental Oil Company, Ponca City, Okla. Lubricating oil. 285,217, renewed July 21, 1951. O. G. Sept. 18. Class 15.

Corel Corporation, assignor to Sterling Pulp & Paper Company, Eau Claire, Wis. Paper napkins, paper towels, wax paper, and toilet paper. 548,079, Sept. 18; Serial No. 534,879, published May 22, 1951. Class 37.

Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.

Creative Engineering: *See*—
Traylor, John B.

Criterion Decalcomania Co., Inc., New York, N. Y. Decalcomanias. 548,311, Sept. 18; Serial No. 599,616, published June 26, 1951. Class 38.

Crocker, H. S., Co., Inc., San Bruno, Calif. Printed and lithographed labels. 548,403, Sept. 18; Serial No. 603,402, published June 19, 1951. Class 38.

Crown Zellerbach Corporation: *See*—
Silkiln Paper Corporation.

Crown Zellerbach Corporation, San Francisco, Calif. Facial tissue, paper towels, paper napkins, etc. 548,369, Sept. 18; Serial No. 602,143, published May 29, 1951. Class 37.

Crown Zellerbach Corporation, San Francisco, Calif. Facial tissue, paper towels, paper napkins, etc. 548,376, Sept. 18; Serial No. 602,441, published June 5, 1951. Class 37.

Crump, B. T., Company, Inc., Richmond, Va. Automobile seat covers. 548,415–16, Sept. 18; Serial Nos. 604,077–8, published June 19, 1951. Class 19.

D & K Company, Inc., Ithaca, N. Y. Sanitary disposable slipper. 548,362, Sept. 18; Serial No. 601,886, published June 26, 1951. Class 39.

Dairy Maid Confectionery Company, Philadelphia, Pa. Candy. 548,201, Sept. 18; Serial No. 585,219, published June 12, 1951. Class 46.

Daly Bros. Shoe Co., Inc., Boston, Mass. Men's and boys' shoes. 548,140, Sept. 18; Serial No. 569,337, published June 26, 1951. Class 39.

Daniels, C. R., Inc., Baltimore, Md. Waterproof and flameproof canvas. 548,115, Sept. 18; Serial No. 557,436, published June 19, 1951. Class 42.

Decker Manufacturing Company, Keokuk, Iowa. Hog rings. 548,447, Sept. 18; Serial No. 607,378, published July 3, 1951. Class 13.

Deepsouth Packing Co.: *See*—
Skremetta, Ray.

Dennison Manufacturing Company, Framingham, Mass. Disposable paper diaper liners. 548,106, Sept. 18; Serial No. 553,476, published June 12, 1951. Class 37.

De-Raef Corporation, Kansas City, Mo. Modified milk powders, modifying agents for milk powders and milk products, etc. 548,299, Sept. 18; Serial No. 598,987, published June 5, 1951. Class 46.

Despatch Oven Company, Minneapolis, Minn. Baking ovens and drying ovens. 548,136, Sept. 18; Serial No. 567,453, published June 19, 1951. Class 34.

Detro: *See*—
Roualet, Andre J. E., Jr.

Dishmaster Corporation, Pontiac, Mich., assignee of B. A. Boyar, doing business under the name and style of Burboy Fountain type dish mops. 548,100, Sept. 18; Serial No. 550,117, published Feb. 21, 1950. Class 29.

Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Surface-active conditioning agents for use in foods. 548,220, Sept. 18; Serial No. 588,919, published June 12, 1951. Class 46.

Dixie Wax Paper Company, Dallas, Tex., and Memphis, Tenn. Sheets of wrapping paper. 548,278–9, Sept. 18; Serial Nos. 596,717–18, published June 12, 1951. Class 37.

Dolge, C. B., Company, The: *See*—
Embalmers Supply Co., The.

Dominion Corset Company, Limited, Quebec, Quebec, Canada. Elastic fabric. 548,241, Sept. 18; Serial No. 591,827, published June 19, 1951. Class 42.

Doran, James A., Inc., Providence, R. I. Spark plugs. 548,474, Sept. 18; Serial No. 556,474. Class 21.

Dow Chemical Company, The, to The Dow Chemical Company, Midland, Mich. Cleaning compositions and compounds. 285,606, renewed July 28, 1951. O. G. Sept. 18. Class 52.

Downing Trading Corporation, New York, N. Y. Fabric. 548,323, Sept. 18; Serial No. 600,124, published June 19, 1951. Class 42.

Drake, Hannah S., Great Barrington, Mass. Ladies' aprons. 548,256, Sept. 18; Serial No. 593,790, published June 26, 1951. Class 39.

Dresner, S., & Son, Inc., Chicago, Ill. Luggage. 285,890, renewed Aug. 11, 1951. O. G. Sept. 18. Class 3.

Driscoll, Leonard B., Winnipeg, Manitoba, Canada. Sets of lesson sheets. 548,143, Sept. 18; Serial No. 572,230, published June 19, 1951. Class 38.

Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. 548,379, Sept. 18; Serial No. 602,679, published June 12, 1951. Class 1.

Eastman Kodak Company, assignee: *See*—
Distillation Products, Inc.

Eastman Kodak Company, to Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 284,356, renewed June 23, 1951. O. G. Sept. 18. Class 26.

Edgar Brothers Company, Metuchen, N. J. Clays. 548,217–18, Sept. 18; Serial Nos. 587,857–8, published June 12, 1951. Class 1.

Edison, Thomas A., Incorporated, West Orange, N. J. Phonographic apparatus. 287,732, renewed Oct. 6, 1951. O. G. Sept. 18. Class 36.

Edmont Manufacturing Company, Coshocton, Ohio. Aprons. 548,442, Sept. 18; Serial No. 605,651, published June 12, 1951. Class 39.

Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 548,301, Sept. 18; Serial No. 602,896, published June 12, 1951. Class 1.

Ekco Products Company, Chicago, Ill. Kitchen and household tools and utensils. 548,296, Sept. 18; Serial No. 598,717, published May 29, 1951. Class 23.

Embalmers Supply Co., The, to The C. B. Dolge Company, Westport, Conn. Liquid disinfectants. 36,799, re-renewed July 23, 1951. O. G. Sept. 18. Class 6.

Engraved Stationery Manufacturers Association, Incorporated, Washington, D. C. Letter heads, correspondence envelopes, blank checks, etc. 548,211, Sept. 18; Serial No. 587,323, published June 12, 1951. Class 37.

Erasmic Company Limited, London, England. Soap. 548,203, Sept. 18; Serial No. 585,578, published May 29, 1951. Class 52.

Fair, The, Chicago, Ill. Candies. 548,326, Sept. 18; Serial No. 600,259, published May 8, 1951. Class 46.

Fear, Fred, & Co., Brooklyn, N. Y. Flavored frostings. 548,286, Sept. 18; Serial No. 597,144, published June 19, 1951. Class 46.

Federal Cartridge Corporation, Minneapolis, Minn. Shotgun shells and cartridges. 548,328, Sept. 18; Serial No. 600,329, published June 26, 1951. Class 9.

Federal Mill, Inc., Lockport, N. Y., to International Milling Company, Minneapolis, Minn. Wheat flour. 287,209, renewed Sept. 15, 1951. O. G. Sept. 18. Class 46.

Fellows Gear Shaper Company, The, Springfield, Vt. Gear cutting machines, gear lapping machines, gear burnishing machines, etc. 548,059, Sept. 18; Serial No. 490,181, published May 22, 1951. Class 23.

Fields, Walter P., Nashville, Tenn. Medicinal foot cream. 548,251, Sept. 18; Serial No. 593,270, published June 12, 1951. Class 18.

Fine Art Pillow & Specialties Corp., New York, N. Y. Pillow cases and table covers, shower curtains, etc. 548,240, Sept. 18; Serial No. 591,774, published June 19, 1951. Class 42.

Finger Lakes Honey Producers Co-Operative, Incorporated, Groton, N. Y. Honey spread, and liquid honey. 548,269, Sept. 18; Serial No. 595,950, published June 19, 1951. Class 46.

Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Metal pipe fittings. 548,444, Sept. 18; Serial No. 606,008, published July 3, 1951. Class 13.

Florida Bulb Company, Miami, Fla. Flower bulbs. 548,395, Sept. 18; Serial No. 603,005, published June 12, 1951. Class 1.

Florida Fishing Tackle Mfg. Co., Inc., St. Petersburg, Fla. Artificial fish lures. 548,396, Sept. 18; Serial No. 603,006, published June 19, 1951. Class 22.

Follows & Bate Limited, Manchester and Gorton, Manchester, England. Lawn mowers and parts thereof. 548,195, Sept. 18; Serial No. 584,326, published June 26, 1951. Class 23.

Foote Mineral Company, Philadelphia, Pa. Natural mineral petalite. 548,384, Sept. 18; Serial No. 602,832, published June 12, 1951. Class 1.

Foote Mineral Company, Philadelphia, Pa. Natural titaniferous iron ore. 548,385, Sept. 18; Serial No. 602,836, published June 12, 1951. Class 1.

Foote Mineral Company, Philadelphia, Pa. Natural mineral zircon. 548,386, Sept. 18; Serial No. 602,839, published June 12, 1951. Class 1.

Free Sewing Machine Co., Rockford, Ill. Catalogs and circulars. 548,126, Sept. 18; Serial No. 561,665, published June 19, 1951. Class 38.

Friedman, Rudolph E., doing business as Marina Sea Products Co., San Francisco, Calif. Canned fish. 548,210, Sept. 18; Serial No. 587,079, published June 26, 1951. Class 46.

Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. 548,261, Sept. 18; Serial No. 594,316, published June 19, 1951. Class 42.

Fuld Brothers, Inc., trading as George Stuart Co., Baltimore, Md. Detergent compositions. 548,281, Sept. 18; Serial No. 596,787, published May 29, 1951. Class 52.

Gale, Bea, doing business as Shenandoah Sales, Winchester, Va. Sun glasses. 548,184, Sept. 18; Serial No. 581,590, published May 22, 1951. Class 26.

Gamble-Skogmo, Inc., Minneapolis, Minn. Golf balls. 548,432, Sept. 18; Serial No. 604,964, published June 19, 1951. Class 22.

Gaylor, Peter J., Newark, N. J. Weekly periodical. 548,434, Sept. 18; Serial No. 605,094, published June 26, 1951. Class 38.

Gaylord Container Corporation, St. Louis, Mo. Wrapping paper and paperboard. 548,130, Sept. 18; Serial No. 564,566, published June 12, 1951. Class 37.

General Cellulose Company, Inc., The, Westfield, N. J. Facial type of household tissue. 548,373, Sept. 18; Serial No. 602,392, published June 5, 1951. Class 37.

General Finance Corporation, Chicago, Ill. Finance and loan services. 548,470, Sept. 18; Serial No. 595,775, published Jan. 16, 1951. Class 102.

General Features Corporation, New York, N. Y. Newspaper column. 548,393, Sept. 18; Serial No. 602,941, published June 19, 1951. Class 38.

General Insulating & Mfg. Co., Alexandria, Ind., to National Gypsum Company, Buffalo, N. Y. Heat and cold insulation material. 285,766, renewed Aug. 4, 1951. O. G. Sept. 18. Class 12.

General Paper Co., Inc., Coatesville, Pa., assignor to West Disinfecting Company, New York, N. Y. Paper towels. 548,335, Sept. 18; Serial No. 600,720, published June 12, 1951. Class 37.

General Time Corporation: *See*—
Western Clock Company.
Western Clock Manufacturing Company, The.

Gering Products, Inc., Kenilworth, N. J. Plastic sheeting or films. 548,316, Sept. 18; Serial No. 599,825, published May 15, 1951. Class 37.

Glade Candy Co., Salt Lake City, Utah. Candy. 548,173, Sept. 18; Serial No. 579,411, published June 19, 1951. Class 46.

Goheen Corporation, The, Wilmington, Del., and New York, N. Y., by Vita-Var Corporation, Newark, N. J. Ready-mixed paints. 148,053, Nov. 8, 1921. Republished Sept. 18. Class 16.

Goheen Manufacturing Company, The, Warren, Ohio, by Vita-Var Corporation, Newark, N. J. Rust-resisting paint, heat-resisting paint, etc. 129,460, Feb. 24, 1920. Republished Sept. 18. Class 16.

Goldhaft, Arthur D., Vineland, by Vineland Poultry Laboratories, Landis Township, N. J. Poultry biologic products. 312,809, Nov. 12, 1940. Republished Sept. 18. Class 18.

Gordon-Allen Ltd., to Salem Commodities, Incorporated, Oakland, Calif. Granulated laundry soap. 284,755, renewed July 7, 1951. O. G. Sept. 18. Class 52.

Goulds Pumps, Incorporated, Seneca Falls, N. Y. Power and hand pumps. 548,151, Sept. 18; Serial No. 575,403, published May 29, 1951. Class 23.

Graham, James M., Springfield, Mo. Barbeque sauce. 548,146, Sept. 18; Serial No. 573,541, published June 5, 1951. Class 46.

Grand Specialties Company, Chicago, Ill. Hand trucks. 548,320, Sept. 18; Serial No. 600,012, published June 12, 1951. Class 19.

Green Company, Inc., The, also doing business as Green Jewelry Co., Kansas City, Mo. Writing paper and envelopes. 548,129, Sept. 18; Serial No. 563,063, published June 5, 1951. Class 37.

Green Giant Company: *See*—
Minnesota Valley Canning Company.

Green Jewelry Co.: *See*—
Green Company, Inc., The.

Greer Hydraulics, Inc., Brooklyn, N. Y. Hydraulic accumulators. 548,289, Sept. 18; Serial No. 597,523, published June 19, 1951. Class 23.

Griggs, Cooper & Company, St. Paul, Minn. Canned vegetables, canned fruits, canned seafoods, etc. 548,248, Sept. 18; Serial No. 592,810, published May 22, 1951. Class 46.

Grosset & Dunlap, Inc., New York, N. Y. Printed books. 548,426, Sept. 18; Serial No. 604,631, published June 19, 1951. Class 38.

Gulf States Steel Company, Birmingham, Ala., to Republic Steel Corporation, Cleveland, Ohio. Black sheets, annealed sheets, galvanized sheets, etc. 288,396, renewed Oct. 27, 1951. O. G. Sept. 18. Class 14.

Gunther & Co., Little Falls, N. J. Powder suitable for making food beverage. 548,329, Sept. 18; Serial No. 600,333, published May 15, 1951. Class 46.

Haas, Baruch & Co., Los Angeles, Calif. Canned sardines. 288,614, renewed Nov. 3, 1951. O. G. Sept. 18. Class 46.

Hadley, Charles R., Company, Los Angeles, Calif. Looseleaf accounting forms, looseleaf binders, looseleaf index, etc. 548,153, Sept. 18; Serial No. 575,761, published May 22, 1951. Class 37.

Hale-Halsell Company, McAlester, Okla. Canned fruit, canned vegetables, canned soup, etc. 548,270, Sept. 18; Serial No. 596,026, published May 29, 1951. Class 46.

Hampshire Paper Company Incorporated, Holyoke, Mass. Printing and writing paper. 548,160, Sept. 18; Serial No. 576,953, published June 5, 1951. Class 37.

Handy Sales Manufacturing Company, Inc., Cleveland, Ohio. Dusting, washing, and polishing mittens. 548,473, Sept. 18; Serial No. 551,099. Class 29.

Hano Paper Company, Inc., New York, N. Y. Paper products. 548,150, Sept. 18; Serial No. 575,213, published June 12, 1951. Class 37.

Harding, Milo, Company, Los Angeles, Calif. Stencil sheets. 548,128, Sept. 18; Serial No. 562,658, published May 29, 1951. Class 37.

Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Pencils. 548,342, Sept. 18; Serial No. 601,105, published June 5, 1951. Class 37.

Harris, Chas. & Thos., & Co., Limited, to C. & T. Harris (Calne) Limited, Calne, England. Bacon, hams, lard. 82,324, re-renewed June 20, 1951. O. G. Sept. 18. Class 46.

Harris, C. & T. (Calne) Limited: *See*—
Harris, Chas. & Thos., & Co., Limited.

Harris, Earl A., Orange, N. J. Small hand-washing lavatories. 548,422, Sept. 18; Serial No. 604,301, published July 3, 1951. Class 13.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Medicinal preparation. 548,223, Sept. 18; Serial No. 589,259, published June 12, 1951. Class 18.

Hausen, Holfman & Weinberg, New York, N. Y. Children's, girls', ladies', and misses' dresses, coats, suits, etc. 548,374, Sept. 18; Serial No. 602,396, published June 12, 1951. Class 39.

Health Products Corporation, to White Laboratories, Inc., Newark, N. J. Cod liver oil concentrate. 289,072, renewed Nov. 17, 1951. O. G. Sept. 18. Class 18.

Hecht's Bakery, Inc., Bristol, Tenn. Bread, cakes, fried coconut pies, etc. 548,234, Sept. 18; Serial No. 590,812, published June 19, 1951. Class 46.

Hego Fabrics, Inc., New York, N. Y. Fabrics in the piece. 548,198, Sept. 18; Serial No. 585,066, published June 19, 1951. Class 42.

Heller, B., & Company, Chicago, Ill. Chemical composition. 548,147, Sept. 18; Serial No. 573,551, published June 12, 1951. Class 6.

Help, Inc., Chicago, Ill. General household cleaning preparation. 439,859, July 27, 1948. Republished Sept. 18. Class 52.

Henry Valve Company, Chicago, Ill. Fluid treating and control devices. 548,080, Sept. 18; Serial No. 537,193, published July 3, 1951. Class 13.

Hershkowitz, J., Inc., New York, N. Y. Tailors' chalk. 548,363, Sept. 18; Serial No. 601,909, published May 22, 1951. Class 37.

Hershkowitz, J., Inc., New York, N. Y. Tailors' chalk. 548,364, Sept. 18; Serial No. 601,912, published May 22, 1951. Class 37.

Hess Company, The, Chicago, Ill. Industrial grain driers. 548,178, Sept. 18; Serial No. 580,726, published June 19, 1951. Class 34.

Heuer, Ed., & Co. Jules Jürgensen Watch Co., Bienne, Switzerland, to Jules Jurgensen Corporation, New York, N. Y. Horological instruments. 285,956, renewed Aug. 11, 1951. O. G. Sept. 18. Class 27.

Hewitt-Robins Incorporated, Buffalo, N. Y. Vibratory shake-out machinery, etc. 548,441, Sept. 18; Serial No. 605,516, published May 29, 1951. Class 23.

Highland Park Manufacturing Company, Charlotte, N. C. Cotton piece goods. 548,425, Sept. 18; Serial No. 604,578, published June 12, 1951. Class 42.

Highland Products, Inc., Highland, Ill. Flaked material made from cellophane sheets. 548,325, Sept. 18; Serial No. 600,244, published June 12, 1951. Class 6.

Hirsch, Nathan, New York, N. Y. Men's and boys' knitted sweaters, caps, scarfs, etc. 548,109, Sept. 18; Serial No. 554,667, published June 26, 1951. Class 39.

Hoffman, M. Milton, doing business under the firm style and trade name of Hoffman Seed & Grain Co., Muncy, Pa. Field and garden seeds. 548,446, Sept. 18; Serial No. 606,296, published June 12, 1951. Class 1.

Hoffman Seed & Grain Co.: *See*—
Hoffman, M. Milton.

Hogan Milling Company, The, Junction City, Kans., to Shellabarger's, Inc., Salina, Kans. Wheat flour, poultry and dairy feeds. 284,127, renewed June 16, 1951. O. G. Sept. 18. Class 46.

Hollister, Franklin C., Co.: *See*—
Schneider, John D.

Home Finance Group, Inc., Charlotte, N. C. Financing and refinancing automobile sales. 548,466, Sept. 18; Serial No. 576,058, published June 19, 1951. Class 102.

Home of Onesiphorus, Chicago, Ill. Magazine. 548,431, Sept. 18; Serial No. 604,943, published June 19, 1951. Class 38.

Honeggers' & Co., Inc., Forrest and Fairbury, Ill., and Mansfield, Ohio. Food product. 548,152, Sept. 18; Serial No. 575,643, published May 29, 1951. Class 46.

Houghton, E. F., & Co., Philadelphia, Pa. Compounds used in softening textile fabrics. 288,412, renewed Oct. 27, 1951. O. G. Sept. 18. Class 6.

Houlis, Louis D., doing business as Master Baker Ovens, Dallas, Tex. Baking ovens, machinery and equipment. 548,176, Sept. 18; Serial No. 580,482, published June 19, 1951. Class 34.

Household Guild, Inc., assignee: *See*—
Kewaskum Utensil Co.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Clay. 548,354, Sept. 18; Serial No. 601,546, published June 12, 1951. Class 1.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Portable hand-manipulable sprayers. 548,341, Sept. 18; Serial No. 601,044, published June 19, 1951. Class 23.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Manually operated compression sprayers. 548,356–7, Sept. 18; Serial Nos. 601,619–20, published June 19, 1951. Class 23.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand operated compression sprayers. 548,355, Sept. 18; Serial No. 601,618, published June 19, 1951. Class 23.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Gasoline engine power sprayer. 548,358, Sept. 18; Serial No. 601,621, published June 19, 1951. Class 23.

Hudson, H. D., Manufacturing Company, Chicago, Ill. Hand operated compression sprayers. 548,359, Sept. 18; Serial No. 601,622, published June 19, 1951. Class 23.

Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile all-wool rugs and carpets. 548,249, Sept. 18; Serial No. 592,814, published June 19, 1951. Class 42.

Huntington Laboratories, Inc., Huntington, Ind. Cleaning compound. 288,851, renewed Nov. 10, 1951. O. G. Sept. 18. Class 52.

Ikard & Newsom, Inc., La Cruces, N. Mex. Oil fired mobile burners. 548,202, Sept. 18; Serial No. 585,236, published June 12, 1951. Class 34.

Illinois Tool Works, Chicago, Ill. Thread cutting screws, locking screws, assembled screws and washers, etc. 548,085, Sept. 18; Serial No. 540,281, published July 3, 1951. Class 13.

Ingersoll Steel and Disc Co., Galesburg, to Borg-Warner Corporation, Chicago, Ill. Harrow discs, clutch discs, friction discs, etc. 282,645, renewed Apr. 28, 1951. O. G. Sept. 18. Class 23.

Inland Fire Brick Company, The, Cleveland, Ohio. Cement. 213,188, May 25, 1926. Republished Sept. 18. Class 12.

Inland Milling Company, by Inland Mills, Inc., Des Moines, Iowa. Wheat flour. 271,744, June 17, 1930. Republished Sept. 18. Class 46.

Inland Milling Company, by Inland Mills, Inc., Des Moines, Iowa. Wheat flour. 272,186, July 1, 1930. Republished Sept. 18. Class 46.

Inland Mills, Inc.: *See*—
Inland Milling Company.

Instruments, Inc., Tulsa, Okla. Liquid level indicator. 548,440, Sept. 18; Serial No. 605,484, published May 22, 1951. Class 26.

Integrated Supply Corp., New York, N. Y. Sprinklers. 548,208, Sept. 18; Serial No. 586,598, published July 3, 1951. Class 13.

International Harvester Company, Chicago, Ill. Motor trucks. 548,224, Sept. 18; Serial No. 589,511, published June 5, 1951. Class 19.

International Milling Company: *See*—
Federal Mill, Inc.
Western Flour Mill Company.

International Milling Company, Minneapolis, Minn. Wheat flour. 548,290, Sept. 18; Serial No. 597,561, published June 5, 1951. Class 46.

International Minerals & Chemical Corporation, Chicago, Ill. Periodical publication. 548,423, Sept. 18; Serial No. 604,369, published June 19, 1951. Class 38.

International Paper Company, New York, N. Y. Wrapping and container lining paper. 548,163, Sept. 18; Serial No. 577,792, published June 19, 1951. Class 37.

Ironwood Trailer Coaches, Inc., Ironwood, Mich. House trailers. 548,330, Sept. 18; Serial No. 600,340, published June 12, 1951. Class 19.

Jantzen Knitting Mills Inc., Portland, Oreg. Knitted wool fabric. 548,236, Sept. 18; Serial No. 590,937, published June 19, 1951. Class 42.

Jefferson Island Salt Company, Louisville, Ky. Table salt. 548,480, Sept. 18; Serial No. 586,087. Class 46.

Jenner, Ray R., Wichita, Kans. Small, collapsible, motor driven vehicles. 548,099, Sept. 18; Serial No. 549,547, published June 12, 1951. Class 19.

Jones, Eugenie J., Webster Groves, Mo. Stationery. 548,253, Sept. 18; Serial No. 593,489, published June 12, 1951. Class 37.

Joyce, Inc., Pasadena, Calif. Women's shoes. 548,387, Sept. 18; Serial No. 602,843, published June 12, 1951. Class 39.

Joyce, Inc., Pasadena, Calif. Women's shoes. 548,388, Sept. 18; Serial No. 602,844, published June 19, 1951. Class 39.

Joyce, Inc., Pasadena, Calif. Women's shoes. 548,412, Sept. 18; Serial No. 603,957, published June 12, 1951. Class 39.

Jules Jurgensen Corporation: *See*—
Heuer, Ed., & Co. Jules Jürgensen Watch Co.

Kagran Corporation, assignee: *See*—
Smith, Robert E.

Kaiser-Fraser Corporation, Willow Run, Mich. Automobile engines. 548,070, Sept. 18; Serial No. 530,317, published May 22, 1951. Class 23.

Kamkap, Inc., New York, N. Y. Indoor and outdoor charcoal grills. 548,450, Sept. 18; Serial No. 608,761, published June 26, 1951. Class 34.

Kaufmann Products Co., San Jose, Calif. Iodinated casein preparation. 548,254, Sept. 18; Serial No. 593,491, published June 12, 1951. Class 18.

Kenya Corporation, New York, N. Y. Rayon fabrics. 548,445, Sept. 18; Serial No. 606,144, published June 19, 1951. Class 42.

Keoshaian, Martin, Long Island City, N. Y. Mechanically grooved phonograph records. 548,188, Sept. 18; Serial No. 582,565, published June 26, 1951. Class 36.

Ketcham & McDougall, Inc., East Orange, N. J. Mechanical pencils, mechanical pencils with chain reels, and chain reel erasers. 548,158, Sept. 18; Serial No. 576,813, published May 15, 1951. Class 37.

Kewaskum Utensil Co., Kewaskum, Wis., assignor to Household Guild, Inc., New York, N. Y. Cooking utensils. 548,094, Sept. 18; Serial No. 548,265, published July 3, 1951. Class 13.

King Publications, San Francisco, Calif. Magazine. 548,361, Sept. 18; Serial No. 601,814, published June 12, 1951. Class 38.

Kistler, W. H., Stationery Company, The, Denver, Colo. Bond paper. 548,272, Sept. 18; Serial No. 596,227, published June 12, 1951. Class 37.

Klein, Mathias, & Sons, Chicago, Ill. Pliers. 548,282, Sept. 18; Serial No. 596,849, published June 26, 1951. Class 23.

Kleinsway, Inc., Chicago, Ill. Cleaning of furs and fur garments. 548,463–4, Sept. 18; Serial Nos. 566,757–8, published June 19, 1951. Class 103.

Koh-I-Noor, Pencil Factory L. & C. Hardtmuth, National Corporation, Ceske Budejovice, Czechoslovakia. Office supplies. 548,283, Sept. 18; Serial No. 596,850, published June 12, 1951. Class 37.

Korth-Jefferson, Inc., Jefferson, Wis. Hosiery. 548,204, Sept. 18; Serial No. 585,649, published June 12, 1951. Class 39.

Kroger Co., The, Cincinnati, Ohio. Cookies. 548,197, Sept. 18; Serial No. 584,675, published May 29, 1951. Class 46.

Lake Rice Mill, Inc., Lake Arthur, La. Packages of rice. 548,186, Sept. 18; Serial No. 582,487, published June 5, 1951. Class 46.

La Rosa, V., & Sons, Inc., Brooklyn, N. Y. Short cuts of macaroni. 548,310, Sept. 18; Serial No. 599,572, published May 15, 1951. Class 46.

Lathrop-Paulson Company, The, Chicago, Ill. Can washing machines, chain conveyors, can cover looseners, and rinsers. 548,076, Sept. 18; Serial No. 533,179, published June 5, 1951. Class 23.

Lavanburg, Fred L., New York, N. Y., to Reichhold Chemicals, Inc., Detroit, Mich. Paris green. 82,446, re-renewed June 27, 1951. O. G. Sept. 18. Class 6.

Lawrence, J. E., Co., Portland, Oreg. Salmon eggs used for bait. 548,407, Sept. 18; Serial No. 603,743, published July 3, 1951. Class 22.

Lawrence Products Company, Inc., Attalla, Ala. Cotton rugs. 548,259, Sept. 18; Serial No. 593,927, published June 19, 1951. Class 42.

Laxivators, Inc., Largo, Fla. Manually operated mechanical rocker exercising device. 548,413, Sept. 18; Serial No. 603,938, published July 3, 1951. Class 22.

Lees-Bradner Company, The, Cleveland, Ohio. Machine tools. 548,215, Sept. 18; Serial No. 587,809, published June 26, 1951. Class 23.

Les Ateliers de Constructions Mecaniques C. & A. Holweg, Strasbourg, Bas-Rhin, France. Machines for winding paper, etc. 548,235, Sept. 18; Serial No. 590,901, published May 22, 1951. Class 23.

Lesnow Brothers, New Haven, Conn., to Lesnow Shirt Co., Inc., Easthampton, Mass. Men's and boys' suits, overcoats, trousers, etc. 276,794, renewed Oct. 28, 1950. O. G. Sept. 18. Class 39.

Lesnow Shirt Co., Inc.: *See*—
Lesnow Brothers.

Lietz, A., Co., The, San Francisco, Calif. Vellum paper. 548,337, Sept. 18; Serial No. 600,838, published June 5, 1951. Class 37.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 548,339, Sept. 18; Serial No. 600,897, published May 29, 1951. Class 18.

Lin-Erin Limited, Lurgan, Ireland. Handkerchiefs; linen piece goods, etc. 274,629, renewed Sept. 2, 1950. O. G. Sept. 18. Class 42.

Lincoln Paper Company, Chicago, Ill. Duplicating papers. 548,154, Sept. 18; Serial No. 575,823, published June 12, 1951. Class 37.

Lincoln Stores, Incorporated, Quincy, Mass. Women's hosiery. 548,389, Sept. 18; Serial No. 602,847, published June 19, 1951. Class 39.

Lion Specialty Co., Chicago, Ill. Candies. 548,073, Sept. 18; Serial No. 531,340, published May 22, 1951. Class 46.

Lo Hi Food School, The, Muskegon, Mich. Soybean butter, canned soybean milk, soybean meal, etc. 548,083, Sept. 18; Serial No. 539,987, published May 29, 1951. Class 46.

Lucky Plastic Co., Inc., Los Angeles, Calif. Men's, women's, and children's overshoes. 548,392, Sept. 18; Serial No. 602,924, published June 12, 1951. Class 39.

Lynx Corporation, New York, N. Y. Woven woolen or worsted fabrics. 548,443, Sept. 18; Serial No. 605,803, published June 19, 1951 Class 42.

Magicon Enterprises, Oakland, Calif. Electro-magnetic remote-control latches. 548,285, Sept. 18; Serial No. 597,086, published June 26, 1951. Class 25.

Mahler's, Inc., East Providence, R. I. Hair removal equipment. 548,332, Sept. 18; Serial No. 600,387, published June 12, 1951. Class 44.

Maillard Corp., The New York, N. Y. Packaged chocolates and candies. 548,161, Sept. 18; Serial No. 577,133, published June 19, 1951. Class 46.

Malleable Iron Range Company, Beaver Dam, Wis. Electric ranges, electric ovens, electric hot plates, etc. 285,700, renewed Aug. 4, 1951. O. G. Sept. 18. Class 21.

Mallory Hat Company, The, Danbury, Conn., to John B. Stetson Company, Philadelphia, Pa. Men's, women's, and children's hats, etc. 283,116, renewed May 19, 1951. O. G. Sept. 18. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Men's pajamas. 548,288, Sept. 18; Serial No. 597,406, published June 19, 1951. Class 39.

Maramor Company, The, Columbus, Ohio. Candy. 548,193, Sept. 18; Serial No. 584,069, published May 29, 1951. Class 46.

Marina Sea Products Co.: *See*—
Friedman, Rudolph E.

Maro Hosiery Co., Inc., New York, N. Y. Hosiery. 548,125, Sept. 18; Serial No. 561,408, published June 12, 1951. Class 39.

Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candies. 548,487, Sept. 18; Serial No. 605,105. Class 46.

Massengill S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 548,276, Sept. 18; Serial No. 596,392, published May 29, 1951. Class 18.

Master Baker Ovens: *See*—
Houlis, Louis D.

May Department Stores Company, The, New York, N. Y., and St. Louis, Mo. Men's and boys' shoes. 548,132, Sept. 18; Serial No. 565,442, published June 26, 1951. Class 39.

Mayer, Oscar, & Co., Inc.: *See*—
Modern Food Process Company.
Vogt, F. G., & Sons, Inc.
Vogt, F. G., & Sons, Incorporated.

Mayer, Vernon R., Shreveport, La. Cottonseed and seed corn. 548,231, Sept. 18; Serial No. 590,169, published June 12, 1951. Class 1.

McCampbell & Company, New York, N. Y. Duck and canvas fabrics. 548,265, Sept. 18; Serial No. 594,910, published June 19, 1951. Class 42.

McCauley, Reed V., doing business under the firm name and style of McCauley's Bakery, Fresno, Calif. Doughnuts. 548,344, Sept. 18; Serial No. 601,154, published May 22, 1951. Class 46.

McCauley's Bakery: *See*—
McCauley, Reed V.

McLellan Stores Company, New York, N. Y. Boys' and girls' hosiery. 548,366, Sept. 18; Serial No. 602,101, published June 19, 1951. Class 39.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Medicinal preparation. 548,180, Sept. 18; Serial No. 580,939, published June 12, 1951. Class 18.

Medalion Publishing Corp., New York, N. Y. Magazine. 548,435, Sept. 18; Serial No. 605,170, published June 19, 1951. Class 38.

Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Consulting services to foundries. 548,468, Sept. 18; Serial No. 586,007, published June 19, 1951. Class 101.

Melba Sweets Co., Cliffside Park, N. J. Candy. 548,174, Sept. 18; Serial No. 579,442, published May 8, 1951. Class 46.

Menasha Wooden Ware Corporation, Menasha, Wis. Corrugated fiberboard. 548,123, Sept. 18; Serial No. 560,721, published May 22, 1951. Class 37.

Merrill Candy Company, Merrill, Wis. Candy bars and box chocolates. 548,156, Sept. 18; Serial No. 576,006, published May 29, 1951. Class 46.

Metzger, F. F., and Son, Union City, Pa. Swings. 548,453, Sept. 18; Serial No. 596,674. Class 22.

Mid-States Gummed Paper Co., Chicago, Ill. Label stock, partially-printed labels, and gummed adhesive blank labels. 548,087, Sept. 18; Serial No. 542,717, published June 19, 1951. Class 37.

Mid-States Gummed Paper Co., Chicago, Ill. Delayed tack heat-sealed label paper. 548,232, Sept. 18; Serial No. 590,612, published June 19, 1951. Class 37.

Mid-States Gummed Paper Co., Chicago, Ill. Heat-sealed label paper. 548,233, Sept. 18; Serial No. 590,613, published June 19, 1951. Class 37.

Middleby, Joseph, Jr., Inc., Boston, Mass. Gelatinous substance. 548,121, Sept. 18; Serial No. 559,937, published June 19, 1951. Class 46.

Middlesex Wholesale Grocery Company, Highland Park, N. J. Canned dog food. 548,400, Sept. 18; Serial No. 603,374, published June 5, 1951. Class 46.

Midwest Leather Clothing Co., St. Louis, Mo. Leather jackets. 548,133, Sept. 18; Serial No. 566,090, published Jan. 3, 1950. Class 39.

Millikan, Robert F., Ashland, Ky. Fishing light. 548,482, Sept. 18; Serial No. 596,111. Class 21.

Millville Manufacturing Company, The, Philadelphia, Pa. Fabrics. 548,305, Sept. 18; Serial No. 599,335, published May 29, 1951. Class 42.

Milo Tanning Corporation, Paris, Maine. Leather. 548,380. Sept. 18; Serial No. 602,705, published June 12, 1951. Class 1.

Minnesota Valley Canning Company, to Green Giant Company, Le Sueur, Minn. Canned corn. 289,114, renewed Nov. 17, 1951. O. G. Sept. 18. Class 46.

Mitchel Beck Company, Inc., New York, N. Y. Canned crabmeat and tuna fish. 548,327, Sept. 18; Serial No. 600,302, published June 5, 1951. Class 46.

Modern Food Process Company, by Oscar Mayer & Co., Inc., Philadelphia, Pa. Ham. 307,669, Oct. 31, 1933. Republished Sept. 18. Class 46.

Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y. Vellum, bond, text, etc. papers. 548,243, Sept. 18; Serial No. 592,065, published June 12, 1951. Class 37.

Monarch Chenilles, Inc., Dalton, Ga. Textile rugs and bath mat sets. 548,127, Sept. 18; Serial No. 562,078, published June 19, 1951. Class 42.

Moore Enameling & Manufacturing Company, The, West Lafayette, Ohio. Porcelain enameled base metal ware. 548,237, Sept. 18; Serial No. 591,042, published June 26, 1951. Class 13.

Moses, Ralph C., New York, N. Y. Art needlework kit or package. 548,171, Sept. 18; Serial No. 579,045, published June 5, 1951. Class 40.

Mosier, Murlin L., doing business as Mosier Sales and Service Company, Sioux City, Iowa. High pressure oil burners and gas water heaters. 548,135, Sept. 18; Serial No. 566,713, published June 26, 1951. Class 34.

Mosier Sales and Service Company: *See*—
Mosier, Murlin L.

Multiscope, Inc., Coffeyville, Kans. Moving stairways. 444,566, Sept. 18; Serial No. 512,601, published Apr. 17, 1951. Class 23.

Murray Corporation of America, The, Detroit, Mich. Stoves. 548,257, Sept. 18; Serial No. 593,811, published June 19, 1951. Class 34.

Nation-Wide Publishing Corp., Chicago, Ill. Comic magazines. 548,437, Sept. 18; Serial No. 605,323, published June 26, 1951. Class 38.

Nation-Wide Publishing Corp., Chicago, Ill. Comic magazines. 548,438, Sept. 18; Serial No. 605,325, published June 26, 1951. Class 38.

National Aluminate Corporation, Chicago, Ill. Consulting services. 548,467, Sept. 18; Serial No. 579,204, published June 19, 1951. Class 100.

National Comics Publications, Inc., New York, N. Y. Periodical publication. 548,419, Sept. 18; Serial No. 604,158, published June 26, 1951. Class 38.

National Corporation of America, The, Oakland, Calif. Prepared and cooked ground beef steaks and sandwiches. 548,187, Sept. 18; Serial No. 582,492, published May 29, 1951. Class 46.

National Gypsum Company: *See*—
General Insulating & Mfg. Co.

National Hosiery Mills, Inc., Indianapolis, Ind. Women's hosiery. 548,084, Sept. 18; Serial No. 539,976, published June 19, 1951. Class 39.

Nebraska Farm Products, Inc., Cozad, Nebr. Alfalfa meal. 548,334, Sept. 18; Serial No. 600,442, published May 15, 1951. Class 46.

Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. 548,293, Sept. 18; Serial No. 598,267, published June 12, 1951. Class 37.

Neville, Ames Harris, Co.: *See*—
Plummer, W. A., Mfg. Co.

Neville, Ames Harris, Co., San Francisco, Calif. Jute bags. 100,994, Nov. 3, 1914. Republished Sept. 18. Class 2.

New York Herald Tribune Inc., New York, N. Y. Comic strip. 548,436, Sept. 18; Serial No. 605,224, published June 19, 1951. Class 38.

Newton Automatic Lettering Pen Company, The: *See*—
Newton, Francis H.

Newton, Francis H., doing business as The Newton Automatic Lettering Pen Company, Grand Rapids, Mich. Lettering pens. 548,091, Sept. 18; Serial No. 546,595, published June 5, 1951. Class 37.

Niles-Bement-Pond Company, West Hartford, Conn. Thread cutting dies. 548,404. Sept. 18; Serial No. 603,541, published June 26, 1951. Class 23.

Northern Paper Mills, Green Bay, Wis. Paper products. 548,096, Sept. 18; Serial No. 548,670, published June 5, 1951. Class 37.

Northrop Aircraft, Inc., Hawthorne, Calif. Airplanes. 548,275, Sept. 18; Serial No. 596,377, published June 5, 1951. Class 19.

No-Vac Products Company, Inc., Washington, D. C. Infant nursing bottles, nipples and caps therefor. 548,456, Sept. 18; Serial No. 611,614, published June 12, 1951. Class 44.

Nugget Polish Co., Ltd., The, to The Nugget Polish Company of New York, Limited, London, England. Leather-polish, metal-polish, furniture-polish, etc. 82,629, renewed July 11, 1951. O. G. Sept. 18. Class 4.

Nugget Polish Company of New York, Limited, The: *See*—
Nugget Polish Co., Ltd., The.

Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. 548,321, Sept. 18; Serial No. 600,070, published June 19, 1951. Class 42.

Öberg, C. O., & Co:s Aktiebolag, Eskilstuna, Sweden. Files and rasps. 281,585, renewed Mar. 24, 1951. O. G. Sept. 18. Class 23.

O'Brien, Jerry H.: *See*—
Weather Master Company, Incorporated, The.

Oregon Pulp and Paper Company, Portland, Oreg. Writing paper. 548,175, Sept. 18; Serial No. 579,754, published June 12, 1951. Class 37.

Organon Inc., Orange, N. J. Medicinal hormone preparation. 548,397, Sept. 18; Serial No. 603,022, published May 29, 1951. Class 18.

Ph., Wunderle, Philadelphia, Pa. Candy. 548,214, Sept. 18; Serial No. 587,666, published Sept. 19, 1950. Class 46.

Pacific American Distributing Company, San Francisco, Calif. Automotive parts. 548,159, Sept. 18; Serial No. 576,822, published June 12, 1951. Class 19.

Pacific Northwest Broadcasters, Spokane, Wash. Advertising the goods and services of others. 548,471, Sept. 18; Serial No. 601,167, published June 19, 1951. Class 101.

Palmer, Roy P., doing business under the name Poster-Message Service, Minneapolis, Minn. Paper blanks for advertising posters. 548,060, Sept. 18; Serial No. 503,115, published May 29, 1951. Class 37.

Pan Waff Inc., St. Paul, Minn. Prepared griddle cake and waffle batter. 548,350, Sept. 18; Serial No. 601,369, published May 15, 1951. Class 46.

Paragon Oil Burner Corporation, Brooklyn and New York, N. Y. Oil burners and boilers. 548,131, Sept. 18; Serial No. 565,296, published June 26, 1951. Class 34.

Parfumerie de Raymond, New York, N. Y. Perfume, toilet water, eau de cologne, etc. 383,884, Dec. 24, 1940. Republished Sept. 18. Class 51.

Parfums Weil Paris (Societe Anonyme): *See*—
Société des Parfums Weil (Societe Anonyme).

Parke, Davis & Company, Detroit, Mich. Procaine penicillin-G and buffered crystalline penicillin-G. 548,149, Sept. 18; Serial No. 574,638, published June 12, 1951. Class 18.

Parks & Brock, Saticoy and Lompoc, Calif. Fresh vegetables. 548,488, Sept. 18; Serial No. 605,604. Class 46.

Patterson, C. J., Company, Kansas City, Mo. Meters for recording the rheological properties of materials. 548,120, Sept. 18; Serial No. 559,175, published May 22, 1951. Class 26.

Payne, E. F., Rod Company, Inc., Highland Mills, N. Y. Split bamboo fishing rods. 548,451, Sept. 18; Serial No. 609,000, published July 3, 1951. Class 22.

Peck, George, (Leicester) Limited, Aylestone, Leicester, England. Knitted socks and stockings, cardigans, etc. 548,098, Sept. 18; Serial No. 548,958, published June 19, 1951. Class 39.

Peirson, Arthur L., Inc., New York, N. Y. Canned meat. 548,294, Sept. 18; Serial No. 598,384. published May 8, 1951. Class 46.

Peninsular Paper Company, Ypsilanti, Mich. Cover paper. 548,183, Sept. 18; Serial No. 581,349, published May 15, 1951. Class 37.

Penn-Champ Oil Corporation, Butler, Pa. Pressure actuated canister. 548,181, Sept. 18; Serial No. 581,013, published June 19, 1951. Class 23.

Pettinos, George F., Incorporated, Philadelphia, Pa. Sands. 285,892, renewed Aug. 11, 1951. O. G. Sept. 18. Class 1.

Phenix Packing Co.: *See*—
Vita Food Products Incorporated.

Phillips Packing Co. Inc., Cambridge, Md. Canned vegetables. 548,367, Sept. 18; Serial No. 602,108, published May 22, 1951. Class 46.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 548,250, Sept. 18; Serial No. 593,082, published Nov. 28, 1950. Class 46.

Pismo-Oceano Vegetable Exchange, Oceano, Calif. Fresh vegetables. 548,351, Sept. 18; Serial No. 601,565, published May 15, 1951. Class 46.

Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Saw blades. 548,228, Sept. 18; Serial No. 589,868, published June 19, 1951. Class 23.

Pittsburgh Valve and Fittings Corporation, Barberton, Ohio. Plug valves. 548,107, Sept. 18; Serial No. 553,737, published July 3, 1951. Class 13.

Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Shelled salted peanuts. 548,368, Sept. 18; Serial No. 602,110, published May 29, 1951. Class 46.

Plummer, W. A., Mfg. Co., by Ames Harris Neville Co., San Francisco, Calif. Water containing vessels. 97,503, June 9, 1914. Republished Sept. 18. Class 2.

Polk Sanitary Milk Company, The, Indianapolis, Ind. Dairy products. 283,594, renewed June 2, 1951. O. G. Sept. 18. Class 46.

Pollak, Henry, Inc., New York, N. Y. Synthetic yarn. 548,408, Sept. 18; Serial No. 603,811, published June 26, 1951. Class 43.

Poster-Message Service: *See*—
Palmer, Roy P.

Powell & Campbell, Inc., New York, N. Y. Boots, shoes, slippers, sandals, etc. 548,074, Sept. 18; Serial No. 531,366, published Apr. 20, 1948. Class 39.

Pressed Steel Car Company, Inc., Chicago, Ill. Box cars and refrigeration cars. 548,411, Sept. 18; Serial No. 603,940, published June 19, 1951. Class 19.

Prime Products, Inc., Tampa, Fla. Fruit and vegetable extracts and juices. 548,144, Sept. 18; Serial No. 573,140, published May 29, 1951. Class 46.

Prince Macaroni Manufacturing Company, Lowell, Mass. Macaroni. 548,225–6, Sept. 18; Serial Nos. 589,528–9, published June 5, 1951. Class 46.

Products Manufacturing Co. Inc., Baltimore, Md. Coin operated vending machine. 548,141, Sept. 18; Serial No. 569,534, published June 12, 1951. Class 23.

Professional Printing Company, Inc., Brooklyn, N. Y. Partially printed blank forms. 548,199, Sept. 18; Serial No. 585,077, published June 5, 1951. Class 37.

Public Relations Society of Texas, San Angelo, Tex. Message blanks in the form of postal cards. 548,304, Sept. 18; Serial No. 599,257, published June 5, 1951. Class 37.

Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway cars and railway car parts. 548,375, Sept. 18; Serial No. 602,421, published June 12, 1951. Class 19.

Puppetoys, Inc., New York, N. Y. Dolls and flexible toy animal figures. 548,452–4, Sept. 18; Serial Nos. 609,314–16, published June 19, 1951. Class 22.

Puritan Mills, Atlanta, Ga. Self rising flour, scratch feed, and laying-mash, etc. 548,089, Sept. 18; Serial No. 545,165, published May 22, 1951. Class 46.

Quaker City Rubber Company, by Quaker Rubber Corporation, Philadelphia, Pa. Rubber sheet packing. 337,462, Aug. 11, 1936. Republished Sept. 18. Class 35.

Quaker Rubber Corporation: *See*—
Quaker City Rubber Company.

Quality Dairy Company, St. Louis, Mo. Packaged ice cream. 548,246, Sept. 18; Serial No. 592,387, published June 5, 1951. Class 46.

Quality Frozen Co.: *See*—
Ayres and Roberts.

Quix-On, Inc., Chicago, Ill. Buttons. 548,166, Sept. 18; Serial No. 578,100, published June 19, 1951. Class 40.

Radio Corporation of America, New York, N. Y. Nucleonic radiation detection apparatus. 548,428, Sept. 18; Serial No. 604,745, published May 22, 1951. Class 26.

Rath Packing Company, The, Waterloo, Iowa. Quick frozen poultry products. 548,348, Sept. 18; Serial No. 601,231, published May 15, 1951. Class 46.

Reckler, Laurence L., Sparks, Nev. Artificial fish lures. 548,324, Sept. 18; Serial No. 600,191, published June 19, 1951. Class 22.

Reichhold Chemicals, Inc.: *See*—
Lavanburg, Fred L.

Republic Steel Corporation: *See*—
Gulf States Steel Company.

Republic Steel Corporation, Cleveland, Ohio. Welded steel tubular articles. 548,200, Sept. 18; Serial No. 585,079, published July 3, 1951. Class 13.

Resolute Paper Products Corp., New York, N. Y., assignor to Windsor Locks Paper Corp., Windsor Locks, Conn. Toilet paper. 548,189, Sept. 18; Serial No. 582,648, published June 19, 1951.

Robbins, Luella B., Saginaw, Mich. Specially treated cleaning and polishing napkins. 548,182, Sept. 18; Serial No. 581,082, published June 12, 1951. Class 4.

Roberts, Henry W., Company, Salisbury and Clara, Md. Canned tomatoes. 548,298, Sept. 18; Serial No. 598,960, published May 29, 1951. Class 46.

Roberts & Morgan, Roanoke, Va. Canned tomatoes. 548,477, Sept. 18; Serial No. 580,517. Class 46.

Robertson & Woodcock Limited, London, England. Candies. 548,284, Sept. 18; Serial No. 597,043, published May 22, 1951. Class 46

Robin Pet Shop, Hackensack, N. J. Dog food. 548,111, Sept. 18; Serial No. 555,305, published May 22, 1951. Class 46.

Rocky Mountain Produce Co., The, Denver, Colo. Fresh vegetables. 548,088, Sept. 18; Serial No. 542,881, published June 26, 1951. Class 46.

Rosa, Anthony G., Lyndhurst, N. J. Fountain pens and pencils. 548,383, Sept. 18; Serial No. 602,177, published June 12, 1951. Class 37.

Rose, Billy, Candy Co., of N. Y.: *See*—
Rose, Billy.

Rose, Billy, doing business under the name of Billy Rose Candy Co., of N. Y., New York, N. Y. Orange juice. 548,271, Sept. 18; Serial No. 596,121, published June 5, 1951. Class 46.

Rose, L., & Co., Limited, St. Albans, England. Lime marmalade. 548,165, Sept. 18; Serial No. 578,049, published May 15, 1951. Class 46.

Roualet, Andre J. E., Jr., doing business under the assumed name of Detro, Fraser, Mich. Dehumidifiers. 548,209, Sept. 18; Serial No. 587,000, published June 19, 1951. Class 34.

Rougier Freres, Montreal, Quebec, Canada. Analgesic pain sedative. 548,162, Sept. 18; Serial No. 577,455, published June 12, 1951. Class 18.

Rud. Fürrer Söhne A.-G., Zurich, Switzerland. Filing envelopes and metal riders and rails. 548,134, Sept. 18; Serial No. 566,658, published June 12, 1951. Class 37.

Rudisill Foundry Company, Anniston, Ala. Centrifugally cast metal pipe, centrifugally cast soil pipe and soil pipe fittings, etc. 548,216, Sept. 18; Serial No. 587,822, published June 26, 1951. Class 13.

Rust Craft Publishers: *See*—
United Printers and Publishers (Incorporated).

Salem Commodities, Incorporated: *See*—
Gordon-Allen Ltd.

Sandhaus-Ralston-Knight, Inc., Kansas City, Mo. Pencils, letter openers, and desk calendars. 548,215, Sept. 18; Serial No. 599,785, published June 19, 1951. Class 37.

Sandos Chemical Works, Inc., New York, N. Y. Dyestuffs, lakes and chemical products. 289,135–8, renewed Nov. 17, 1951. O. G. Sept. 18. Class 6.

Sanjo Utility Manufacturing Co., The, New York, N. Y. Supports for coat hangers for use in automobiles. 548,194, Sept. 18; Serial No. 584,254, published June 19, 1951. Class 19.

Sapphire Hosiery Corporation, New York, N. Y. Women's hosiery. 548,343, Sept. 18; Serial No. 601,121, published June 19, 1951. Class 39.

Saunders, Muriel, San Francisco, Calif. Monthly publication. 548,263, Sept. 18; Serial No. 594,729, published June 12, 1951. Class 38.

Schering Corporation, Bloomfield, N. J. Steroid corticosterone derivative substance. 548,401–2, Sept. 18; Serial Nos. 603,383–4, published May 29, 1951. Class 18.

Schneider, John D., doing business as Franklin C. Hollister Co., Chicago, Ill. Partially printed birth certificate forms. 548,113, Sept. 18; Serial No. 556,290, published June 19, 1951. Class 37.

Schrafft, W. F., & Sons, to W. F. Schrafft & Sons Corporation, Boston, Mass. Confectionery and chocolate. 36,574, re-renewed June 11, 1951. O. G. Sept. 18. Class 46.

Schrafft, W. F., & Sons Corporation: *See*—
Schrafft, W. F., & Sons.

Scott Paper Company, Chester, Pa. Toilet paper. 548,352, Sept. 18; Serial No. 601,513, published June 5, 1951. Class 37.

Scott Paper Company, Chester, Pa. Toilet paper. 548,353, Sept. 18; Serial No. 601,514, published June 26, 1951. Class 37.

Scranton Electric Construction Co., to Scranton Electric Construction Co., Scranton, Pa. Electric rotary drills. 81,827, re-renewed May 9, 1951. O. G. Sept. 18. Class 23.

Scully Signal Company, Cambridge, Mass. Vent pipes, anti-siphoning theft guards. 548,213, Sept. 18; Serial No. 587,564, published June 12, 1951. Class 19.

Selected Risks Indemnity Company, Branchville, N. J. Underwriting of insurance. 548,465, Sept. 18; Serial No. 569,480, published June 19, 1951. Class 102.

Selfix Products Co., Chicago, Ill. Hooks. 548,448, Sept. 18; Serial No. 607,966, published July 3, 1951. Class 13.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Faucet seats, filler balls, piston packing, etc. 288,175, renewed Oct. 20, 1951. O. G. Sept. 18. Class 35.

Shanhouse, W., Sons, Incorporated, Rockford, Ill. Men's and women's waterproof sports garments. 548,227, Sept. 18; Serial No. 589,807, published June 19, 1951. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal preparation. 548,378, Sept. 18; Serial No. 602,647, published May 29, 1951. Class 18.

Shellabarger's Inc.: *See*—
Hogan Milling Company, The.

Shenandoah Sales: *See*—
Gale, Bea.

Shoe Corporation of America, Columbus, Ohio. Shoes. 548,142, Sept. 18; Serial No. 569,572, published May 22, 1951. Class 39.

Shoe Corporation of America, Columbus, Ohio. Children's shoes and house slippers. 548,252, Sept. 18; Serial No. 593,295, published May 22, 1951. Class 39.

Silber, Samuel, doing business as Burnex Products Co., Newark, N. J. Hand, face and skin soaps, shampoo, powdered soap, etc. 548,267, Sept. 18; Serial No. 595,287 published May 29, 1951. Class 52.

Silklin Paper Corporation, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Paper towels. 548,219, Sept. 18; Serial No. 588,109, published May 15, 1951. Class 37.

Silver Fleet Motor Express, Inc., The, Louisville, Ky. Motor truck transportation of freight. 548,457, Sept. 18; Serial No. 540,205, published Apr. 25, 1950. Class 105.

Simmons Company, New York, N. Y. Hospital bed accessories. 548,280, Sept. 18; Serial No. 596,759, published June 12, 1951. Class 44.

Singer Manufacturing Company, The, Elizabeth, N. J., and New York, N. Y., to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machines, their parts and attachments. 289,397, renewed Nov. 24, 1951. O. G. Sept. 18. Class 23.

Skrmetta, Ray, doing business under the name and style of Deepsouth Packing Co., New Orleans, La. Canned shrimp. 548,485, Sept. 18; Serial No. 601,757. Class 46.

Smith, J. P., Shoe Company, Chicago, Ill. Shoes. 548,092, Sept. 18; Serial No. 548,542, published Oct. 31, 1950. Class 39.

Smith, Robert E., assignor to Kagran Corporation, New York, N. Y. Film strips. 548,255, Sept. 18; Serial No. 593,751, published May 22, 1951. Class 26.

Smith, Walter E., Ventura, Calif. Pitch changing attachment for stringed instruments. 548,472, Sept. 18; Serial No. 519,494. Class 36.

Smith's, John E., Sons Company, Buffalo, N. Y. Food processing machinery. 548,238, Sept. 18; Serial No. 591,114, published May 22, 1951. Class 23.

Smooth-On Manufacturing Company, Jersey City, N. J. Iron compound. 84,262, rerenewed Nov. 21, 1951. O. G. Sept. 18. Class 14.

Societe Anonyme Des Caves & Des Producteurs Reunis De Roquefort, Roquefort, France. Cheese. 287,989, renewed Oct. 20, 1951. O. G. Sept. 18. Class 46.

Societe Anonyme Maison Olida, Paris, France. Cooked and canned ham, fruit preserves, canned fruits. 548,244, Sept. 18; Serial No. 592,105, published June 19, 1951. Class 46.

Société des Parfums Weil (Societe Anonyme) to Parfums Weil Paris (Societe Anonyme), Paris, France. Face powders, talcum powders, rouges, etc. 282,852, renewed Apr. 21, 1951. O. G. Sept. 18. Class 51.

Societe des Parfums Weil (Societe Anonyme), to Parfums Weil Paris, (Societe Anonyme), Paris, France. Face powders, talcum powders, rouges, etc. 282,444, renewed Apr. 21, 1951. O. G. Sept. 18; Class 51.

Societe des Parfums Weil (Societe Anonyme), to Parfums Weil Paris (Societe Anonyme), Paris, France. Face powders, talcum powders, rouges, etc. 282,944, renewed May 5, 1951. O. G. Sept. 18. Class 51.

Societe a Responsabilite Limitee Anta, Lille, France. Clothing. 548,268, Sept. 18; Serial No. 595,566, published June 26, 1951. Class 39.

Southwest Grease & Oil Co., Inc., Wichita, Kans. Lubricating oils and greases. 337,894, Aug. 25, 1936. Republished Sept. 18. Class 15.

South-Western Publishing Co., Cincinnati, Ohio. Magazine. 548,439, Sept. 18; Serial No. 605,332, published June 26. 1951. Class 38.

Speed-O-Print Corporation, Chicago, Ill. Stencils for duplicating machines. 548,247, Sept. 18; Serial No. 592,736, published June 12, 1951. Class 37.

Spiegel, Inc., Chicago, Ill. Automobile seat covers. 548,185, Sept. 18; Serial No. 582,193, published June 5, 1951. Class 19.

Staff Music Publishing Company, The, Great Neck, N. Y. Musical arrangements. 548,427, Sept. 18; Serial No. 604,666, published June 19, 1951. Class 38.

Stamford Wall Paper Company, Stamford, Conn. Wall paper. 548,273, Sept. 18; Serial No. 596,243, published June 12, 1951. Class 37.

Standard Fruits, Inc., Wenatchee, Wash. Fresh apples. 548,167, Sept. 18; Serial No. 578,230, published May 22, 1951. Class 46.

Stayton, Ralph W., doing business as Yuletide Bonus Stamp Company, assignor to Yuletide Bonus Stamp Company, Albany, Calif. Trading stamps. 444,567, Sept. 18; Serial No. 521,696, published June 26, 1951. Class 38.

Steck Company, The, Austin, Tex. Partially printed checks, partially printed drafts, partially printed labels, etc. 548,116, Sept. 18; Serial No. 557,874, published June 5, 1951. Class 37.

Sterling Pulp & Paper Company: *See*—
Corel Corporation.

Sterling Pulp & Paper Company, Eau Claire, Wis. Paper towels, paper napkins, toilet tissue, etc. 548,190, Sept. 18; Serial No. 582,803, published May 15, 1951. Class 37.

Stern Brothers, New York, N. Y. Women's, misses', and junior misses' raincoats, rubbers, overshoes. 289,065, renewed Nov. 17, 1951. O. G. Sept. 18. Class 39.

Stern, L. & H., Inc., New York, N. Y. Combined pen and tie clasp. 548,287, Sept. 18; Serial No. 597,302, published June 19, 1951. Class 37.

Stetson, John B., Company: *See*—
Mallory Hat Company, The.

Stuart, George, Co.: *See*—
Fuld Brothers, Inc.

Sun Fashions of Hawaii, Honolulu, Territory of Hawaii. Rayon, cotton, and silk piece goods. 548,262, Sept. 18; Serial No. 594,595, published June 19, 1951. Class 42.

Swanson, C. A., & Sons, Omaha, Nebr. Boned chicken, boned turkey. 548,067, Sept. 18; Serial No. 528,035, published May 15, 1951. Class 46.

Targ & Dinner, Inc., Chicago, Ill. Woodwind instruments and brass instruments. 548,179, Sept. 18; Serial No. 580,800, published June 26, 1951. Class 36.

Tasty Baking Company, Philadelphia, Pa. Pies. 287,940, renewed Oct. 20, 1951. O. G. Sept. 18. Class 46.

Toledo Scale Company: *See*—
Anstice, Josiah, & Co. Inc.

Terra Bella Olive Association, Terra Bella, Calif. Canned olives. 548,338, Sept. 18; Serial No. 600,860, published May 8, 1951. Class 46.

Tex-O-Kan Flour Mills Co., Dallas Tex., now by change of name Burrus Mills, Incorporated. Wheat flour. 548,313, Sept. 18; Serial No. 599,680, published June 5, 1951. Class 46.

Thompson Bros. Shoe Co., Brockton, Mass. Boots and shoes. 548,110, Sept. 18; Serial No. 554,735, published June 26, 1951. Class 39.

Thornburg, Wayne, doing business as Wayne Thornburg Ranches, Litchfield Park, Ariz. Fresh grapes. 548,377, Sept. 18; Serial No. 602,577, published May 29, 1951. Class 46.

Thornburg, Wayne, Ranches: *See*—
Thornburg, Wayne.

Traford Fabrics, Inc., New York, N. Y. Fabrics in the piece. 548,317, Sept. 18; Serial No. 599,993, published June 19, 1951. Class 42.

Traub-Lyons-Oppenheim, Inc., New York, N. Y. Piece goods. 548,318–19, Sept. 18; Serial Nos. 599,998–9, published June 19, 1951. Class 42.

Traylor, John B., doing business as Creative Engineering, Denver, Colo. Metal clips. 548,137, Sept. 18; Serial No. 567,473, published July 3, 1951. Class 13.

Tweedie Footwear Corporation, Jefferson City, Mo. Ladies' and misses' shoes. 289,131, renewed Nov. 17, 1951. O G. Sept. 18. Class 39.

Union Carbide and Carbon Corporation, New York, N. Y. Rods in the nature of hand tools. 548,409, Sept. 18; Serial No. 603,821, published June 26, 1951. Class 23.

Union Trading Company, Ltd., Basel, Switzerland. Petroleum and products of petroleum. 548,208, Sept. 18; Serial No. 586,377, published June 12, 1951. Class 15.

Unit Structures, Inc., Peshtigo, Wis. Periodical. 548,429, Sept. 18; Serial No. 604,873, published June 19, 1951. Class 38.

United Mills Corporation, Mount Gilead, N. C. Brassières, slips, petticoats, nightgowns. 548,420, Sept. 18; Serial No. 604,166, published June 26, 1951. Class 39.

United Printers and Publishers (Incorporated), doing business as Rust Craft Publishers, Boston, Mass. Greeting cards. 548,155, Sept. 18; Serial No. 575,952, published June 26, 1951. Class 38.

United States Junior Chamber of Commerce, The, St. Louis, Mo., and Tulsa, Okla. Organizing and holding meetings and competitions and other special events, etc. 548,461, Sept. 18; Serial No. 557,323, published June 19, 1951. Class 100.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 548,306, Sept. 18; Serial No. 599,352, published July 3, 1951. Class 22.

United States Radiator Corporation, Detroit, Mich. Cast iron boilers, cast iron boiler-burner units, etc. 548,345, Sept. 18; Serial No. 601,176, published June 12, 1951. Class 34.

U. S. Slicing Machine Company, Inc., La Porte, Ind. Weighing and computing scales. 548,430, Sept. 18; Serial No. 604,938, published May 22, 1951. Class 26.

United Wallpaper, Inc., Chicago, Ill. Wallpaper. 548,122, Sept. 18; Serial No. 560,586, published June 12, 1951. Class 37.

Universal Atlas Cement Company, Chicago, Ill., to Universal Atlas Cement Company, New York, N. Y. Building cement. 286,046–7, renewed Aug. 11, 1951. O. G. Sept. 18. Class 12.

Vaco Company, The: *See*—
Aabel. Per.

Van Dyk & Reeves Inc., Brooklyn, N. Y. Bottled cherries and bottled olives. 548,295, Sept. 18; Serial No. 598,398, published June 5, 1951. Class 46.

Vanderbilt, R. T., Company, Inc., New York, N. Y. Chemical compound. 289,078, renewed Nov. 17, 1951. O. G. Sept. 18. Class 6.

Victor Chemical Works, Chicago, Ill. Sodium acid pyrophosphate for use as a baking acid. 548,068, Sept. 18; Serial No. 528,542, published May 22, 1951. Class 46.

Vineland Poultry Laboratories: *See*—
Goldhaft, Arthur D.

Vita Food Products Incorporated, doing business under the name of Phenix Packing Co., New York, N. Y. Canned caviar. 548,097, Sept. 18; Serial No. 548,889, published June 26, 1951. Class 46.

Vita-Var Corporation: *See*—
Goheen Manufacturing Company, The.

Vogt, F. G., & Sons, Inc., by Oscar Mayer & Co., Inc., Philadelphia, Pa. Lard, ham, bacon and scrapple. 95,723, Mar. 3, 1914. Republished Sept. 18. Class 46.

Vogt, F. G., & Sons, Incorporated, by Oscar Mayer & Co., Inc., Philadelphia, Pa. Scrapple, ham, and rinds of ham and bacon. 345,363, Apr. 27, 1937. Republished Sept. 18. Class 46.

Vogt, F. G., & Sons, Incorporated, by Oscar Mayer & Co., Inc., Philadelphia, Pa. Meat loaves. 367,494, May 16, 1939. Republished Sept. 18. Class 46.

Vogt, F. G., & Sons, Incorporated, by Oscar Mayer & Co., Inc., Philadelphia, Pa. Pork sausages. 369,456, July 25, 1939. Republished Sept. 18. Class 46.

Vogt, F. G., & Sons, Incorporated, by Oscar Mayer & Co., Inc., Philadelphia, Pa. Canned scrapple. 377,974, May 21, 1940. Republished Sept. 18. Class 46.

WJR The Goodwill Station, Inc., Detroit, Mich. Radio program broadcasting and advertising. 548,460, Sept. 18; Serial No. 545,609, published June 19, 1951. Class 101.

Walker Vitamin Products, Inc., Mount Vernon, N. Y. Methyl testosterone. 548,157, Sept. 18; Serial No. 576,300, published June 12, 1951. Class 18.

Walton, Octavia, Portland, Maine. Greeting cards, greeting sheets, and greeting folders. 548,172, Sept. 18; Serial No. 579,241, published June 26, 1951. Class 38.

Washmobile Corp., Huntington Park, Calif. Rental of automotive washing equipment. 548,489, Sept. 18; Serial No. 568,081. Class 103.

Watson Manufacturing Company, Inc., Jamestown, N. Y. Open-top racks or cases. 548,292, Sept. 18; Serial No. 598,136, published Mar. 13, 1951. Class 32.

Weatherhead Company, The, Cleveland, Ohio. Tube fittings. 548,365, Sept. 18; Serial No. 602,009, published July 3, 1951. Class 13.

Weather Master Company, Incorporated, The, Wichita, Kans., assignee of J. H. O'Brien. All metal sun ray deflectors. 548,061, Sept. 18; Serial No. 510,796, published June 12, 1951. Class 19.

Weaver, George, doing business as Weaver Products, Chicago, Ill. Pile ointment. 548,346, Sept. 18; Serial No. 601,179, published June 12, 1951. Class 18.

Weaver Products: *See*—
Weaver, George.

West Disinfecting Company: *See*—
General Paper Co., Inc.

West Point Manufacturing Company, West Point, Ga. Fabric cellulosic wadding. 548,145, Sept. 18; Serial No. 573,279, published June 5, 1951. Class 37.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Clocks and watches. 283,942, renewed June 9, 1951. O. G. Sept. 18. Class 27.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Clocks. 283,943, renewed June 9, 1951. O. G. Sept. 18. Class 27.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Clocks and watches. 283,944–7, renewed June 9, 1951. O. G. Sept. 18. Class 27.

Western Clock Company, Peru, to General Time Corporation, La Salle, Ill. Electrical motors. 288,318, renewed Oct. 27, 1951. O. G. Sept. 18. Class 21.

Western Clock Manufacturing Company, The, Peru, to General Time Corporation, La Salle, Ill. Clocks and watches. 83,877, re-renewed Oct. 17, 1951. O. G. Sept. 18. Class 27.

Western Flour Mill Company, Davenport, Iowa, to International Milling Company, Minneapolis, Minn. Wheatdour. 82,543, re-renewed July 4, 1951. O. G. Sept. 18. Class 46.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose writing paper. 444,568, Sept. 18; Serial No. 526,157, published June 12, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. 548,065, Sept. 18; Serial No. 526,001, published May 22, 1951. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose paper. 548,066, Sept. 18; Serial No. 526,040, published June 19, 1951. Class 37.

White, Ed, Junior Shoe Company, St. Louis, Mo. Infants' tot-age shoes. 548,071, Sept. 18; Serial No. 530,689, published June 26, 1951. Class 39.

White, James, Paper Company, Chicago, Ill. Book paper, cover paper, bond paper, etc. 548,277, Sept. 18; Serial No. 596,635, published June 12, 1951. Class 37.

White Laboratories, Inc.: *See*—
Health Products Corporation.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet tissue. 548,124, Sept. 18; Serial No. 560,946, published June 19, 1951. Class 37.

Whiting Paper Company, Holyoke, Mass. Writing paper and envelopes. 548,312, Sept. 18; Serial No. 599,673, published May 15, 1951. Class 37.

Wico Electric Company, West Springfield, Mass. Electrically-controlled accessory apparatus. 548,481, Sept. 18; Serial No. 588,986. Class 21.

Wilker Bros. Co., New York, N. Y. Men's, boys', women's and girls' pajamas. 548,394, Sept. 18; Serial No. 602,986, published June 19, 1951. Class 39.

Williams, C. B., Mercedes, Tex. Fresh tomatoes, canned tomato purée, canned pimiento peppers, etc. 548,196, Sept. 18; Serial No. 584,518, published May 15, 1951. Class 46.

Wind, Nathan, New York, N. Y. Coin operating television sets. 548,486, Sept. 18; Serial No. 604,606. Class 21.

Windsor Locks Paper Corp., assignee: *See*—
Resolute Paper Products Corp.

Winter & Company, Inc., New York, N. Y. Pianos. 548,104, Sept. 18; Serial No. 553,159, published June 26, 1951. Class 36.

Winter & Company, Inc., New York, N. Y. Pianos. 548,105, Sept. 18; Serial No. 553,161, published June 26, 1951. Class 36.

Winter & Company, Inc., New York, N. Y. Pianos. 548,108, Sept. 18; Serial No. 553,762, published June 26, 1951. Class 36.

Wolferman, Fred, Inc., Kansas City, Mo. Smoked ham. 548,258, Sept. 18; Serial No. 593,845, published June 19, 1951. Class 46.

Woolworth, F. W., Co., New York, N. Y. Greeting cards. 548,371, Sept. 18; Serial No. 602,237, published June 12, 1951. Class 38.

Woolworth, F. W., Co., New York, N. Y. Greeting cards. 548,433, Sept. 18; Serial No. 604,999, published June 19, 1951. Class 38.

Wooster Brush Company, The, Wooster, Ohio. Paint and varnish brushes. 288,898, renewed Nov. 10, 1951. O. G. Sept. 18. Class 29.

Wrenn Paper Company, The, Middletown, Ohio. Blotting paper. 548,090, Sept. 18; Serial No. 545,926, published June 5, 1951. Class 37.

Wright, E. T., & Co., Inc.: *See*—
Wright, E. T., & Company, Inc.

Wright, E. T., & Company, Inc., to E. T. Wright & Co., Inc., Rockland, Mass. Men's and boys' leather and canvas boots and shoes. 287,189, renewed Sept. 15, 1951. O. G. Sept. 18. Class 39.

Young, B., & Company Limited, London, England. Gelatine. 548,164, Sept. 18; Serial No. 577,839, published June 19, 1951. Class 46.

Youngstown Grape Distributors, Reedley, Calif. Fresh deciduous fruits and fresh grapes. 548,370, Sept. 18; Serial No. 602,179, published May 29, 1951. Class 46.

Yuletide Bonus Stamp Company: *See*—
Stayton, Ralph W.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay. J. M. Huber Corporation. 548,354, Sept. 18; Serial No. 601,546, published June 12, 1951.

Clay, Permanently-plastic modeling. American Art Clay Company. 548,372, Sept. 18; Serial No. 602,356, published June 12, 1951.

Clays. Edgar Brothers Company. 548,217–18, Sept. 18; Serial Nos. 587,857–8, published June 12, 1951.

Cottonseed and seed corn. V. E. Mayer. 548,231, Sept. 18; Serial No. 590,169, published June 12, 1951.

Flower bulbs. Florida Bulb Company. 548,395, Sept. 18; Serial No. 603,005, published June 12, 1951.

Leather. Eagle-Ottawa Leather Company. 548,379, Sept. 18; Serial No. 602,679, published June 12, 1951.

Leather. B. D. Eisendrath Tanning Co. 548,391, Sept. 18; Serial No. 602,896, published June 12, 1951.

Leather. Milo Tanning Corporation. 548,380, Sept. 18; Serial No. 602,705, published June 12, 1951.

Leathers. Colonial Tanning Company, Inc. 548,381–2, Sept. 18; Serial Nos. 602,749–50, published June 12, 1951.

Natural mineral petalite. Foote Mineral Company. 548,384, Sept. 18; Serial No. 602,832, published June 12, 1951.

Natural mineral sircon. Foote Mineral Company. 548,386, Sept. 18; Serial No. 602,839, published June 12, 1951.

Natural titaniferous iron ore. Foote Mineral Company. 548,383, Sept. 18; Serial No. 602,836, published June 12, 1951.

Sands. George F. Pettinos, Incorporated. 285,892, renewed Aug. 11, 1951. O. G. Sept. 18.

Seeds, Field and garden. M. M. Hoffman. 548,446, Sept. 18; Serial No. 606,296, published June 12, 1951.

CLASS 2

Bags and cartons, Paper. Bemis Bro. Bag Company. 288,570, renewed Nov. 3, 1951. O. G. Sept. 18.

Bags, Jute. Ames Harris Neville Co. 100,994, Nov. 3, 1914. Republished Sept. 18.

Vessels, Water containing. W. A. Plummer Mfg. Co. 97,503, June 9, 1914. Republished Sept. 18.

CLASS 3

Luggage. S. Dresner & Son, Inc. 285,890, renewed Aug. 11, 1951. O. G. Sept. 18.

CLASS 4

Cleaning and polishing napkins, Specially treated. L. B. Robbins. 548,182, Sept. 18; Serial No. 581,082, published June 12, 1951.

Leather-polish, metal-polish, furniture-polish, etc. The Nugget Polish Co., Ltd. 82,629, re-renewed July 11, 1951. O. G. Sept. 18.

Silicium carbide, an electric-furnace product used for abrasive and polishing purposes. A/S Arendal Smelteverk. 283,417, renewed May 26, 1951. O. G. Sept. 18.

CLASS 6

Astringents, astringent cerates, bleach creams, beauty creams, etc. Ar. Winarick, Inc. 275,460, Sept. 23, 1930. Amended. O. G. Sept. 18.

Chemical composition. B. Heller & Company. 548,147, Sept. 18; Serial No. 573,551, published June 12, 1951.

Chemical compound. R. T. Vanderbilt Company, Inc. 289,078, renewed Nov. 17, 1951. O. G. Sept. 18.

Compounds used in softening textile fabrics. E. F. Houghton & Co. 288,412, renewed Oct. 27, 1951. O. G. Sept. 18.

Dyestuffs, lakes, and chemical products. Sandoz Chemical Works, Inc. 289,135–8, renewed Nov. 17, 1951. O. G. Sept. 18.

Flaked material made from cellophane sheets. Highland Products, Inc. 548,325, Sept. 18; Serial No. 600,244, published June 12, 1951.

Insecticides. The Black Flag Company. 286,271, renewed Aug. 15, 1951. O. G. Sept. 18.

Liquid disinfectants. The Embalmers Supply Co. 36,799, re-renewed July 23, 1951. O. G. Sept. 18.

Paris green. F. L. Lavanburg. 82,446, re-renewed June 27, 1951. O. G. Sept. 18.

CLASS 9

Shells and cartridges, Shotgun. Federal Cartridge Corporation. 548,328, Sept. 18; Serial No. 600,329, published June 26, 1951.

CLASS 12

Cement. The Inland Fire Brick Company. 213,188, May 25, 1926. Republished Sept. 18.

Cement, Building. Universal Atlas Cement Company. 286,046–7, renewed Aug. 11, 1951. O. G. Sept. 18.

Insulation material, Heat and cold. General Insulating & Mfg. Co. 285,766, renewed Aug. 4, 1951. O. G. Sept. 18.

CLASS 13

Base metal or plastic guards. A. Bloxsom. 548,101, Sept. 18; Serial No. 551,220, published June 26, 1951.

Copper mugs. Cock'n Bull Products. 548,072, Sept. 18; Serial No. 531,019, published July 3, 1951.

Fittings, Metal pipe. Stanley G. Flagg & Co., Inc. 548,444, Sept. 18; Serial No. 606,008, published July 3, 1951.

Fluid treating and control devices. Henry Valve Company. 548,080, Sept. 18; Serial No. 537,193, published July 3, 1951.

Hog rings. Decker Manufacturing Company. 548,447, Sept. 18; Serial No. 607,378, published July 3, 1951.

Hooks. Seifix Products Co. 548,448, Sept. 18; Serial No. 607,966, published July 3, 1951.

Lavatories, Small hand-washing. E. A. Harris. 548,422, Sept. 18; Serial No. 604,301, published July 3, 1951.

Locking buckles, Releasable. C. J. W. Corp. 548,479, Sept. 18; Serial No. 584,663.

Metal clips. J. B. Traylor. 548,137, Sept. 18; Serial No. 567,473, published July 3, 1951.

Metal giftware. Analco Products. 548,399, Sept. 18; Serial No. 603,276, published June 26, 1951.

Metal pipe, Centrifugally cast, centrifugally cast soil pipe and soil pipe fittings, etc. Rudisill Foundry Company. 548,216, Sept. 18; Serial No. 587,822, published June 26, 1951.

Plug valves. Pittsburgh Valve and Fittings Corporation. 548,107, Sept. 18; Serial No. 553,737, published July 3, 1951.

Porcelain enameled base metal ware. The Moore Enameling & Manufacturing Company. 548,237, Sept. 18; Serial No. 591,042, published June 26, 1951.

Screws, Thread cutting, locking screws, assembled screws and washers, etc. Illinois Tool Works. 548,085, Sept. 18; Serial No. 540,281, published July 3, 1951.

Sprinklers. Integrated Supply Corp. 548,208, Sept. 18; Serial No. 586,598, published July 3, 1951.

Tube fittings. The Weatherhead Company. 548,365, Sept. 18; Serial No. 602,009, published July 3, 1951.

Utensils, Aluminum cooking, and kitchen utensils and aluminum waterless cookware. The Buckeye Aluminum Company. 548,077, Sept. 18; Serial No. 533,531, published July 3, 1951.

Utensils, Cooking. Kewaskum Utensil Co. 548,094, Sept. 18; Serial No. 548,265, published July 3, 1951.

Welded steel tubular articles. Republic Steel Corporation. 548,200, Sept. 18; Serial No. 585,079, published July 3, 1951.

CLASS 14

Black sheets, annealed sheets, galvanized sheet, etc. Gulf States Steel Company. 288,396, renewed Oct. 27, 1951. O. G. Sept. 18.

Blooms, slabs, billets, etc., Metal. A. M. Byers Company. 548,169, Sept. 18; Serial No. 578,435, published July 3, 1951.

Iron Compound. Smooth-On Manufacturing Company. 84,262, re-renewed Nov. 21, 1951. O. G. Sept. 18.

CLASS 15

Grease, Lubricating. Continental Oil Company. 283,570, renewed June 2, 1951. O. G. Sept. 18.

Grease, Lubricating. Continental Oil Company. 283,572–3, renewed June 2, 1951. O. G. Sept. 18.

Grease, Lubricating. Continental Oil Company. 283,689, renewed June 2, 1951. O. G. Sept. 18.

Oil, Lubricating. Continental Oil Company. 283,568–9, renewed June 2, 1951. O. G. Sept. 18.

Oil, Lubricating. Continental Oil Company. 283,571, renewed June 2, 1951. O. G. Sept. 18.

Oil, Lubricating. Continental Oil Company. 283,574, renewed June 2, 1951. O. G. Sept. 18.

Oil, Lubricating. Continental Oil Company. 285,217, renewed July 21, 1951. O. G. Sept. 18.

Oils, Lubricating, and greases. Southwest Grease & Oil Co., Inc. 337,894, Aug. 25, 1936. Republished Sept. 18.

Petroleum and products of petroleum. Union Trading Company, Ltd. 548,206, Sept. 18; Serial No. 586,377, published June 12, 1951.

CLASS 16

Paint, Rust-resisting, heat-resisting paint, etc. The Goheen Manufacturing Company. 129,460, Feb. 24, 1920. Republished Sept. 18.

Paints, Ready-mixed. The Goheen Corporation. 148,053. Nov. 8, 1921. Republished Sept. 18.

Paints, Ready-mixed, varnishes and paint enamels. Beautykote Corporation. 315,725, Aug. 7, 1934. Republished Sept. 18.

CLASS 18

Analgesic pain sedative. R. Freres. 548,162, Sept. 18; Serial No. 577,455, published June 12, 1951.

Anti-degenerative, anti-neoplasmic, therapeutic, etc. tonic. Arbrefen Laboratories, Inc. 548,349, Sept. 18; Serial No. 601,249, published June 12, 1951.

Cholagogues and choleretics for the treatment of all diseases. Ames Company, Inc. 436,238, Jan. 27, 1948. Republished Sept. 18.

Cod liver oil concentrate. Health Products Corporation. 289,072, renewed Nov. 17, 1951. O. G. Sept. 18.

Iodinated casein preparation. Kaufmann Products Co. 548,254, Sept. 18; Serial No. 593,491, published June 12, 1951.

Medicinal foot cream. W. P. Fields. 548,251, Sept. 18; Serial No. 593,270, published June 12, 1951.

Medicinal hormone preparation. Organon Inc. 548,397, Sept. 18; Serial No. 603,022, published May 29, 1951.

Medicinal preparation. The G. F. Harvey Company. 548,223, Sept. 18; Serial No. 589,259, published June 12, 1951.

Medicinal preparation. Eli Lilly and Company. 548,339, Sept. 18; Serial No. 600,897, published May 29, 1951.

Medicinal preparation. McNeil Laboratories, Incorporated. 548,180, Sept. 18; Serial No. 580,939, published June 12, 1951.

Medicinal preparation. Sharp & Dohme, Incorporated. 548,378, Sept. 18; Serial No. 602,647, published May 29, 1951.

Methyl testosterone. Walker Vitamin Products, Inc. 548,157, Sept. 18; Serial No. 576,300, published June 12, 1951.

Ointment, Pile. G. Weaver. 548,346, Sept. 18; Serial No. 601,179, published June 12, 1951.

Pharmaceutical preparation. The S. E. Massengill Company. 548,276, Sept. 18; Serial No. 596,592, published May 29, 1951.

Poultry biologic products. A. D. Goldhaft. 382,809, Nov. 12, 1940. Republished Sept. 18.

Preparations for the treatment of dandruff, scalp irritations and ring worm. C. Campbell. 548,478, Sept. 18; Serial No. 582,268.

Procaine penicillin-G and buffered crystalline penicillin-G. Parke, Davis & Company. 548,149, Sept. 18; Serial No. 574,638, published June 12, 1951.

Steroid corticosterone derivative substance. Schering Corporation. 548,401–2, Sept. 18; Serial Nos. 603,383–4, published May 29, 1951.

CLASS 19

Airplanes. Northrop Aircraft, Inc. 548,275, Sept. 18; Serial No. 596,377, published June 5, 1951.

All metal sun ray deflectors. The Weather Master Company, Incorporated. 548,061, Sept. 18; Serial No. 510,796, published June 12, 1951.

Automobile seat covers. Brewster Manufacturing Co. 548,221, Sept. 18; Serial No. 588,933, published June 5, 1951.

Automobile seat covers. Columbia Auto Seat Cover Co., Inc. 548,212, Sept. 18; Serial No. 587,466, published June 5, 1951.

Automobile seat covers. B. T. Crump Company, Inc. 548,415–16, Sept. 18; Serial Nos. 604,077–8, published June 19, 1951.

Automobile seat covers. Spiegel, Inc. 548,185, Sept. 18; Serial No. 582,193, published June 5, 1951.

Automotive parts. Pacific American Distributing Company. 548,159, Sept. 18; Serial No. 576,822, published June 12, 1951.

Boats, Inflatable. Bilnor Corp. 548,331, Sept. 18; Serial No. 600,368, published June 5, 1951.

Cars, Box, and refrigeration cars. Pressed Steel Car Company, Inc. 548,411, Sept. 18; Serial No. 603,940, published June 19, 1951.

Cars, Railway, and railway car parts. Pullman-Standard Car Manufacturing Company. 548,375, Sept. 18; Serial No. 602,421, published June 12, 1951.

Rubber products adapted for automobiles. Baldwin Rubber Company. 548,093, Sept. 18; Serial No. 547,419, published June 19, 1951.

Supports for coat hangers for use in automobiles. The Sanjo Utility Manufacturing Co. 548,194, Sept. 18; Serial No. 584,254, published June 19, 1951.

Trailers, House. Ironwood Trailer Coaches, Inc. 548,330, Sept. 18; Serial No. 600,340, published June 12, 1951.

Trucks, Hand. Grand Specialties Company. 548,320, Sept. 18; Serial No. 600,012, published June 12, 1951.

Trucks, Motor. International Harvester Company. 548,224, Sept. 18; Serial No. 589,511, published June 5, 1951.

Trucks, Pressed-steel hand-operated. The American Pulley Company. 548,092, Sept. 18; Serial No. 547,411, published June 19, 1951.

Vehicles, Small, collapsible, motor driven. R. R. Jenner. 548,099, Sept. 18; Serial No. 549,547, published June 12, 1951.

Vent pipes, anti-siphoning theft guards. Scully Signal Company. 548,213, Sept. 18; Serial No. 587,564, published June 12, 1951.

CLASS 21

Electrically-controlled accessory apparatus. Wico Electric Company. 548,481, Sept. 18; Serial No. 588,986.

Light, Fishing. E. F. Millikan. 548,482, Sept. 18; Serial No. 596,111.

Motors, Electrical. Western Clock Company. 288,318, renewed Oct. 27, 1951. O. G. Sept. 18.

Ranges, Electric, electric ovens, electric hot plates, etc. Malleable Iron Range Company. 285,700, renewed Aug. 4, 1951. O. G. Sept. 18.

Spark plugs. James A. Doran, Inc. 548,474, Sept. 18; Serial No. 558,474.

Television sets, Coin operating. N. Wind. 548,486, Sept. 18; Serial No. 604,606.

CLASS 22

Artificial bait. The Arnold Tackle Corporation. 548,405, Sept. 18; Serial No. 603,709, published July 3, 1951.

Artificial bait. The Arnold Tackle Corporation. 548,406, Sept. 18; Serial No. 603,711, published July 3, 1951.

Artificial fish lures. Florida Fishing Tackle Mfg. Co., Inc. 548,396, Sept. 18; Serial No. 603,006, published June 19, 1951.

Artificial fish lures. L. L. Reckler. 548,324, Sept. 18; Serial No. 600,191, published June 19, 1951.

Dolls and flexible toy animal figures. Puppetoys, Inc. 548,452–4, Sept. 18; Serial Nos. 609,314–16, published June 19, 1951.

Exercising device, Manually operated mechanical rocker. Laxivators, Inc. 548,413, Sept. 18; Serial No. 603,958, published July 3, 1951.

Fishing reels, rods, poles, etc. Aldens, Inc. 548,449, Sept. 18; Serial No. 608,486, published June 19, 1951.

Fishing rods, Split bamboo. E. F. Payne Rod Company, Inc. 548,451, Sept. 18; Serial No. 609,000, published July 3, 1951.

Golf balls. Gamble-Skogmo, Inc. 548,432, Sept. 18; Serial No. 604,964, published June 19, 1951.

Playing cards. The United States Playing Card Company. 548,306, Sept. 18; Serial No. 599,352, published July 3, 1951.

Salmon eggs used for bait. J. E. Lawrence Co. 548,407, Sept. 18; Serial No. 603,743, published July 3, 1951.

Swings. F. F. Metzger and Son. 548,483, Sept. 18; Serial No. 596,674.

CLASS 23

Ball bearings. Ahlberg Bearing Company. 548,414, Sept. 18; Serial No. 604,062, published May 29, 1951.

Ball bearings. The Barden Corporation. 548,207, Sept. 18; Serial No. 586,514, published May 22, 1951.

Canister, Pressure actuated. Penn-Champ Oil Corporation. 548,181, Sept. 18; Serial No. 581,013, published June 19, 1951.

Cutting and forming machinery, Metal. The Cleveland Crane & Engineering Company. 548,069, Sept. 18; Serial No. 529,962, published May 29, 1951.

Drills, Electric rotary. Scranton Electric Construction Co. 81,827, re-renewed May 9, 1951. O. G. Sept. 18.

Engines, Automobile. Kaiser-Frazer Corporation. 548,070, Sept. 18; Serial No. 530,317, published May 22, 1951.

Files and rasps. C. O. Öberg & Co:s Aktiebolag. 281,585, renewed Mar. 24, 1951. O. G. Sept. 18.

Filters, Fluid. Bendix Aviation Corporation. 444,565, Sept. 18; Serial No. 503,419, published Dec. 16, 1947.

Food processing machinery. John E. Smith's Sons Company. 548,238, Sept. 18; Serial No. 591,114, published May 22, 1951.

Gear cutting machines, gear lapping machines, gear burnishing machines, etc. The Fellows Gear Shaper Company. 548,059, Sept. 18; Serial No. 490,181, published May 22, 1951.

Harrow discs, clutch discs, friction discs, etc. Ingersoll Steel and Disc Co. 282,645, renewed Apr. 28, 1951. O. G. Sept. 18.

Hydraulic accumulators. Greer Hydraulics, Inc. 548,289, Sept. 18; Serial No. 597,523, published June 19, 1951.

Knives, forks, and spoons. P. Aabel. 548,455, Sept. 18; Serial No. 609,583, published June 5, 1951.

Lawn mowers and parts thereof. Follows & Bate Limited. 548,195, Sept. 18; Serial No. 584,326, published June 26, 1951.

Machines for winding paper, etc. Les Ateliers de Constructions Mecaniques C. & A. Holweg. 548,235, Sept. 18; Serial No. 590,901, published May 22, 1951.

Metal working machinery, etc. The Aetna-Standard Engineering Company. 548,103, Sept. 18; Serial No. 552,626, published May 22, 1951.

Peelers, Vegetable, slicers, French-fry cutters, etc. Josiah Anstice & Co. Inc. 280,810, renewed Mar. 3, 1951. O. G. Sept. 18.
Pliers. Mathias Klein & Sons. 548,282, Sept. 18; Serial No. 596,549, published June 26, 1951.
Pumps, Power and hand. Goulds Pumps, Incorporated. 548,151, Sept. 18; Serial No. 575,403, published May 29, 1951.
Razor blades, Safety. A. Aquist. 548,222, Sept. 18; Serial No. 599,192, published May 22, 1951.
Rods in the nature of hand tools. Union Carbide and Carbon Corporation. 548,409, Sept. 18; Serial No. 603,821, published June 26, 1951.
Saw blades. Pittsburgh-Erie Saw Corporation. 548,228, Sept. 18; Serial No. 589,868, published June 19, 1951.
Scissors and shears. The Acme Shear Company. 548,260, Sept. 18; Serial No. 594,182, published May 29, 1951.
Sewing machines, their parts and attachments. The Singer Manufacturing Company. 289,397, renewed Nov. 24, 1951. O. G. Sept. 18.
Sprayer, Gasoline engine power. H. D. Hudson Manufacturing Company. 548,358, Sept. 18; Serial No. 601,621, published June 19, 1951.
Sprayers, Hand operated compression. H. D. Hudson Manufacturing Company. 548,355, Sept. 18; Serial No. 601,618, published June 19, 1951.
Sprayers, Hand operated compression. H. D. Hudson Manufacturing Company. 548,359, Sept. 18; Serial No. 601,622, published June 19, 1951.
Sprayers, Manually operated compression. H. D. Hudson Manufacturing Company. 548,356–7, Sept. 18; Serial Nos. 601,619–20, published June 19, 1951.
Sprayers, Portable hand-manipulable. H. D. Hudson Manufacturing Company. 548,341, Sept. 18; Serial No. 601,044, published June 19, 1951.
Stairways, Moving. Multiscope, Inc. 444,566, Sept. 18; Serial No. 512,601, published Apr. 17, 1951.
Thread cutting dies. Niles-Bement-Pond Company. 548,404, Sept. 18; Serial No. 603,541, published June 26, 1951.
Tools and utensils, Kitchen and household. Ekco Products Company. 548,296, Sept. 18; Serial No. 598,717, published May 29, 1951.
Tools, Machine. The Lees-Bradner Company. 548,215, Sept. 18; Serial No. 587,809, published June 26, 1951.
Trucks and tractors, Industrial. Clark Equipment Company. 548,064, Sept. 18; Serial No. 523,769, published May 29, 1951.
Vending machine, Coin operated. Products Manufacturing Co. Inc. 548,141, Sept. 18; Serial No. 569,534, published June 12, 1951.
Vibratory shake-out machinery, etc. Hewitt-Robins Incorporated. 548,441, Sept. 18; Serial No. 605,516, published May 29, 1951.
Washing machines, Can, chain conveyors, can cover loosenders, and rinsers. The Lathrop-Paulson Company. 548,076, Sept. 18; Serial No. 533,179, published June 5, 1951.

CLASS 25

Latches, Electro-magnetic remote-control. Magicon Enterprises. 548,285, Sept. 18; Serial No. 597,086, published June 26, 1951.

CLASS 26

Film strips. R. E. Smith. 548,255, Sept. 18; Serial No. 593,751, published May 22, 1951.
Indicator, Liquid level. Instruments, Inc. 548,440, Sept. 18; Serial No. 605,484, published May 22, 1951.
Meters for recording the rheological properties of materials. C. J. Patterson Company. 548,120, Sept. 18; Serial No. 559,175, published May 22, 1951.
Nucleonic radiation detection apparatus. Radio Corporation of America. 548,428, Sept. 18; Serial No. 604,745, published May 22, 1951.
Photographic shutters. Eastman Kodak Company. 284,350, renewed June 23, 1951. O. G. Sept. 18.
Scales, Weighing and computing. U. S. Slicing Machine Company, Inc. 548,430, Sept. 18; Serial No. 604,938, published May 22, 1951.
Spectacle frames and mountings. Bausch & Lomb Optical Company. 548,424, Sept. 18; Serial No. 604,516, published May 22, 1951.
Sun glasses. B. Gale. 548,184, Sept. 18; Serial No. 581,390, published May 22, 1951.

CLASS 27

Clocks. Western Clock Company. 283,943, renewed June 9, 1951. O. G. Sept. 18.
Clocks and watches. Western Clock Company. 283,942, renewed June 9, 1951. O. G. Sept. 18.
Clocks and watches. The Western Clock Manufacturing Company. 83,877, re-renewed Oct. 17, 1951. O. G. Sept. 18.
Clocks and watches. Western Clock Company. 283,944–7, renewed June 9, 1951. O. G. Sept. 18.
Horological instruments. Ed Heuer & Co. Jules Jürgensen Watch Co. 285,956, renewed Aug. 11, 1951. O. G. Sept. 18.

CLASS 28

Pearls, necklaces, bracelets, etc. Cohn & Rosenberger, Inc. 285,209, renewed July 21, 1951. O. G. Sept. 18.

CLASS 29

Brushes, Paint and varnish. The Wooster Brush Company. 288,898, renewed Nov. 10, 1951. O. G. Sept. 18.
Dusting, washing and polishing mittens. Handy Sales Manufacturing Company, Inc. 548,473, Sept. 18; Serial No. 551,099.
Mops, Fountain type dish. Dishmaster Corporation. 548,100, Sept. 18; Serial No. 550,117, published Feb. 21, 1950.

CLASS 32

Racks or cases, Open-top. Watson Manufacturing Company, Inc. 548,292, Sept. 18; Serial No. 598,136, published Mar. 13, 1951.

CLASS 34

Asbestos ducts. The Philip Carey Manufacturing Company. 548,112, Sept. 18; Serial No. 556,284, published June 26, 1951.
Boilers, Cast iron, cast iron boiler-burner units, etc. United States Radiator Corporation. 548,345, Sept. 18; Serial No. 601,176, published June 12, 1951.
Burners, Gas. Geo. Bray & Co., Limited. 548,239, Sept. 18; Serial No. 591,277, published June 19 1951.
Burners, High pressure oil, and gas water heaters. M. L. Mosier. 548,135, Sept. 18; Serial No. 566,713, published June 26, 1951.
Burners, Oil, and boilers. Paragon Oil Burner Corporation. 548,131, Sept. 18; Serial No. 565,296, published June 26, 1951.
Burners, Oil fired mobile. Ikard & Newsom, Inc. 548,202, Sept. 18; Serial No. 585,236, published June 12, 1951.
Dehumidifiers. A. J. E. Roualet, Jr. 548,209, Sept. 18; Serial No. 587,000, published June 19, 1951.
Driers, Industrial grain. The Hess Company. 548,178, Sept. 18; Serial No. 580,726, published June 19, 1951.
Furnace, Hot air, fan, and ducts for circulating air. The Coleman Company, Inc. 548,177, Sept. 18; Serial No. 580,646, published June 26, 1951.
Grills, Indoor and outdoor charcoal. Kamkap, Inc. 548,450, Sept. 18; Serial No. 608,761, published June 26, 1951.
Heaters, Gas burning water, oil burning furnaces, gas burning space heaters, etc. American Gas Machine Company. 548,300, Sept. 18; Serial No. 599,070, published June 19, 1951.
Kettles, Varnish, and parts thereof, vacuum pans, etc. Brighton Copper Works, Inc. 548,063, Sept. 18; Serial No. 519,113, published June 12, 1951.
Ovens, Baking, and drying ovens. Despatch Oven Company. 548,136, Sept. 18; Serial No. 567,453, published June 19, 1951.
Ovens, Baking, machinery and equipment. L. D. Houlis. 548,176, Sept. 18; Serial No. 580,482, published June 19, 1951.
Stoves. The Murray Corporation of America. 548,257, Sept. 18; Serial No. 593,811, published June 19, 1951.
Tankards, Metal, and trays of base metal. Cape Cod Shop. 548,102, Sept. 18; Serial No. 552,033, published June 26, 1951.

CLASS 35

Faucet seats, fuller balls, piston packing, etc. J. A. Sexauer Mfg. Co., Inc. 288,175, renewed Oct. 20, 1951. O. G. Sept. 18.
Rubber sheet packing. Quaker City Rubber Company. 337,462, Aug. 11, 1936. Republished Sept. 18.

CLASS 36

Phonograph records, Mechanically grooved. L. J. Arms. 548,476, Sept. 18; Serial No. 575,390.
Phonograph records, Mechanically grooved. M. Keoshaian. 548,188, Sept. 18; Serial No. 582,565, published June 26, 1951.
Phonographic apparatus. Thomas A. Edison, Incorporated. 287,732, renewed Oct. 6, 1951. O. G. Sept. 18.
Pianos. Winter & Company, Inc. 548,104, Sept. 18; Serial No. 553,159, published June 26, 1951.
Pianos. Winter & Company, Inc. 548,105, Sept. 18; Serial No. 553,161, published June 26, 1951.
Pianos. Winter & Company, Inc. 548,108, Sept. 18; Serial No. 553,762, published June 26, 1951.
Pitch changing attachment for stringed instruments. W. E. Smith. 548,472, Sept. 18; Serial No. 519,494.
Wire used as strings for musical instruments. The American Steel and Wire Company of New Jersey. 548,139, Sept. 18; Serial No. 568,826, published June 26, 1951.
Woodwind instruments and brass instruments. Targ & Dinner, Inc. 548,179, Sept. 18; Serial No. 580,800, published June 26, 1951.

CLASS 37

Chalk holder. Black Board Buddy Company, Inc. 548,336, Sept. 18; Serial No. 600,761, published May 29, 1951.
Chalk, Tailors'. J. Hershkowitz, Inc. 548,363, Sept. 18; Serial No. 601,909, published May 22, 1951.
Chalk, Tailors'. J. Hershkowitz, Inc. 548,364, Sept. 18; Serial No. 601,912, published May 22, 1951.
Checks, Partially printed, partially printed drafts, partially printed labels, etc. The Steck Company. 548,116, Sept. 18; Serial No. 557,874, published June 5, 1951.

Crayons. Milton Bradley Company. 548,191, Sept. 18; Serial No. 583,309, published May 15, 1951.
Diaper liners, Disposable paper. Dennison Manufacturing Company. 548,106, Sept. 18; Serial No. 553,476, published June 12, 1951.
Envelopes, Filing, and metal riders and rails. Rud. Fürrer Söhne A.-G. 548,134, Sept. 18; Serial No. 566,638, published June 12, 1951.
Fabric cellulosic wadding. West Point Manufacturing Company. 548,145, Sept. 18; Serial No. 573,279, published June 5, 1951.
Fiberboard, Corrugated. Menasha Wooden Ware Corporation. 548,123, Sept. 18; Serial No. 560,721, published May 22, 1951.
Forms, Looseleaf accounting, looseleaf binders, looseleaf index, etc. Charles R. Hadley Company. 548,153, Sept. 18; Serial No. 575,761, published May 22, 1951.
Forms, Partially printed birth certificate. J. D. Schneider. 548,113, Sept. 18; Serial No. 556,290, published June 19, 1951.
Forms, Partially printed blank. Professional Printing Company, Inc. 548,199, Sept. 18; Serial No. 585,077, published June 5, 1951.
Label stock, partially-printed labels, and gummed adhesive blank labels. Mid-States Gummed Paper Co. 548,087, Sept. 18; Serial No. 542,717, published June 12, 1951.
Letter heads, correspondence envelopes, blank checks, etc. Engraved Stationery Manufacturers Association, Incorporated. 548,211, Sept. 18; Serial No. 587,323, published June 12, 1951.
Message blanks in the form of postal cards. Public Relations Society of Texas. 548,304, Sept. 18; Serial No. 599,257, published June 5, 1951.
Mounts, Corner, for photographs. Ace Art Company. 548,075, Sept. 18; Serial No. 532,084, published June 19, 1951
Office supplies. Koh-I-Noor, Pencil Factory L. & C. Hardtmuth, National Corporation. 548,283, Sept. 18; Serial No. 596,850, published June 12, 1951.
Packaging materials. Acme Backing Corporation. 548,245, Sept. 18; Serial No. 592,179, published June 19, 1951.
Paper. The Philip Carey Manufacturing Company. 548,114, Sept. 18; Serial No. 556,773, published June 12, 1951.
Paper blanks for advertising posters. R. P. Palmer. 548,060, Sept. 18; Serial No. 503,115, published May 29, 1951.
Paper, Blotting. The Wrenn Paper Company. 548,090, Sept. 18; Serial No. 545,926, published June 5, 1951.
Paper, Bond. The W. H. Kistler Stationery Company. 548,272, Sept. 18; Serial No. 596,227, published June 12, 1951.
Paper, Book, cover paper, bond paper, etc. James White Paper Company. 548,277, Sept. 18; Serial No. 596,635, published June 12, 1951.
Paper, Corrugated. Chippewa Paper Products Co., Inc. 548,205, Sept. 18; Serial No. 586,138, published June 5, 1951.
Paper, Cover. Peninsular Paper Company. 548,183, Sept. 18; Serial No. 581,349, published May 15, 1951.
Paper, Delayed tack heat-sealed label. Mid-States Gummed Paper Co. 548,232, Sept. 18; Serial No. 590,612, published June 19, 1951.
Paper, Heat-sealed label. Mid-States Gummed Paper Co. 548,233, Sept. 18; Serial No. 590,613, published June 19, 1951.
Paper, Loose. Western Tablet & Stationery Corporation. 548,066, Sept. 18; Serial No. 526,040, published June 19, 1951.
Paper, Loose writing. Western Tablet & Stationery Corporation. 444,568, Sept. 18; Serial No. 526,157, published June 12, 1951.
Paper napkins, paper towels, wax paper, and toilet paper. Corel Corporation. 548,079, Sept. 18; Serial No. 534,879, published May 22, 1951.
Paper, Printing and writing. Hampshire Paper Company Incorporated. 548,160, Sept. 18; Serial No. 576,863, published June 5, 1951.
Paper products. Hano Paper Company, Inc. 548,150, Sept. 18; Serial No. 575,213, published June 12, 1951.
Paper products. Northern Paper Mills. 548,096, Sept. 18; Serial No. 548,670, published June 5, 1951.
Paper, Sheets of wrapping. Dixie Wax Paper Company. 548,278–9, Sept. 18; Serial Nos. 596,717–18, published June 12, 1951.
Paper, Toilet. Resolute Paper Products Corp. 548,189, Sept. 18; Serial No. 582,648, published June 19, 1951.
Paper, Toilet. Scott Paper Company. 548,352, Sept. 18; Serial No. 601,513, published June 5, 1951.
Paper, Toilet. Scott Paper Company. 548,353, Sept. 18; Serial No. 601,514, published June 26, 1951.
Paper towels. General Paper Co., Inc. 548,335, Sept. 18; Serial No. 600,720, published June 12, 1951.
Paper towels. Silkiln Paper Corporation. 548,219, Sept. 18; Serial No. 588,109, published May 15, 1951.
Paper towels, paper napkins, toilet tissue, etc. Sterling Pulp & Paper Company. 548,190, Sept. 18; Serial No. 582,803, published May 15, 1951.
Paper, Vellum. The A. Lietz Co. 548,337, Sept. 18; Serial No. 600,838, published June 5, 1951.
Paper, Vellum, bond, text, etc. Mohawk Paper Mills, Inc. 548,243, Sept. 18; Serial No. 592,085, published June 12, 1951.
Paper, Wall. Stamford Wall Paper Company. 548,273, Sept. 18; Serial No. 596,243, published June 12, 1951.
Paper, Wrapping. Benmont Papers Inc. 548,309, Sept. 18; Serial No. 599,490, published June 5, 1951.
Paper, Wrapping. Nekoosa-Edwards Paper Company. 548,293, Sept. 18; Serial No. 598,267, published June 12, 1951.
Paper, Wrapping and container lining. International Paper Company. 548,163, Sept. 18; Serial No. 577,792, published June 19, 1951.
Paper, Wrapping, and paperboard. Gaylord Container Corporation. 548,130, Sept. 18; Serial No. 564,566, published June 12, 1951.
Paper, Writing. Oregon Pulp and Paper Company. 548,175, Sept. 18; Serial No. 579,754, published June 12, 1951.
Paper, Writing, and envelopes. The Green Company, Inc. 548,129, Sept. 18; Serial No. 563,063, published June 5, 1951.
Paper, Writing, and envelopes. Whiting Paper Company. 548,312, Sept. 18; Serial No. 599,673, published May 15, 1951.
Papers, Duplicating. Lincoln Paper Company. 548,154, Sept. 18; Serial No. 575,823, published June 12, 1951.
Pen and tie clasp, Combined. L. & H. Stern, Inc. 548,287, Sept. 18; Serial No. 597,302, published June 19, 1951.
Pencils. L. & C. Hardtmuth, Inc. 548,342, Sept. 18; Serial No 601,105, published June 5, 1951.
Pencils, letter openers, and desk calendars. Sandhaus-Ralston-Knight, Inc. 548,315, Sept. 18; Serial No. 599,785, published June 19, 1951.
Pencils, Mechanical, mechanical pencils with chain reels, and chain reel erasers. Ketcham & McDougall, Inc. 548,158, Sept. 18; Serial No. 576,813, published May 15, 1951.
Pens, Fountain, and pencils. A. G. Rosa. 548,383, Sept. 18; Serial No. 602,777, published June 12, 1951.
Pens, Lettering. F. H. Newton. 548,091, Sept. 18; Serial No. 546,595, published June 5, 1951.
Plastic sheeting or films. Gering Products, Inc. 548,316, Sept. 18; Serial No. 599,825, published May 15, 1951.
Sheets, Stencil. Milo Harding Company. 548,128, Sept. 18; Serial No. 562,658, published May 29, 1951.
Stationery. E. J. Jones. 548,253, Sept. 18; Serial No. 503,489, published June 12, 1951.
Stencils for duplicating machine. Speed-O-Print Corporation. 548,247, Sept. 18; Serial No. 592,736, published June 12, 1951.
Tablets, Paper. Western Tablet & Stationery Corporation. 548,065, Sept. 18; Serial No. 526,001, published May 22, 1951.
Tissue, Facial, paper towels, paper napkins, etc. Crown Zellerbach Corporation. 548,369, Sept. 18; Serial No. 602,143, published May 29, 1951.
Tissue, Facial, paper towels, paper napkins, etc. Crown Zellerbach Corporation. 548,376, Sept. 18; Serial No. 602,441, published June 5, 1951.
Tissue, Facial type of household. The General Cellulose Company, Inc. 548,373, Sept. 18; Serial No. 602,392, published June 5, 1951.
Tissue, Toilet. White-Washburne Company, Inc. 548,124, Sept. 18; Serial No. 560,946, published June 19, 1951.
Wallpaper. United Wallpaper, Inc. 548,122, Sept. 18; Serial No. 560,586, published June 12, 1951.

CLASS 38

Books, Printed. Grosset & Dunlap, Inc. 548,426, Sept. 18; Serial No. 604,631, published June 19, 1951.
Cards, Greeting. United Printers and Publishers (Incorporated). 548,155, Sept. 18; Serial No. 575,952, published June 26, 1951.
Cards, Greeting. F. W. Woolworth Co. 548,371, Sept. 18; Serial No. 602,237, published June 12, 1951.
Cards, Greeting. F. W. Woolworth Co. 548,433, Sept. 18; Serial No. 604,999, published June 19, 1951.
Cards, Greeting, greeting sheets, and greeting folders. O. Walton. 548,172, Sept. 18; Serial No. 579,241, published June 26, 1951.
Catalogs and circulars. Free Sewing Machine Co. 548,126, Sept. 18; Serial No. 561,665, published June 19, 1951.
Comic strip. New York Herald Tribune Inc. 548,436, Sept. 18; Serial No. 605,224, published June 19, 1951.
Decalcomanias. Criterion Decalcomania Co., Inc. 548,311, Sept. 18; Serial No. 599,616, published June 26, 1951.
Illustrated features and photographic comic strips. C. Bannister. 444,564, Sept. 18; Serial No. 489,932, published June 19, 1951.
Labels, Printed and lithographed. H. S. Crocker Co., Inc. 548,403, Sept. 18; Serial No. 603,402, published June 19, 1951.
Magazine. Home of Onesiphorus. 548,431, Sept. 18; Serial No. 604,943, published June 19, 1951.
Magazine. King Publications. 548,361, Sept. 18; Serial No. 601,814, published June 12, 1951.
Magazine. Medallion Publishing Corp. 548,435, Sept. 18; Serial No. 605,170, published June 19, 1951.

Magazine. South-Western Publishing Co. 548,439, Sept. 18; Serial No. 605,332, published June 26, 1951.
Magazines. Comic. Nation-Wide Publishing Corp. 548,437, Sept. 18; Serial No. 605,323, published June 26, 1951.
Magazines. Comic. Nation-Wide Publishing Corp. 548,438, Sept. 18; Serial No. 605,325, published June 26, 1951.
Musical arrangements. The Staff Music Publishing Company. 548,427, Sept. 18; Serial No. 604,666, published June 19, 1951.
Newspaper column. General Features Corporation. 548,393, Sept. 18; Serial No. 602,941, published June 19, 1951.
Newspapers, Weekly. The Chicago World Publishing Company, Inc. 548,390, Sept. 18; Serial No. 602,889, published June 19, 1951.
Periodical. Unit Structures, Inc. 548,429, Sept. 18; Serial No. 604,873, published June 19, 1951.
Periodical, Weekly. P. J. Gaylor. 548,434, Sept. 18; Serial No. 605,094, published June 26, 1951.
Photographs, Finished. Baby Tots Studio. 548,118–19, Sept. 18; Serial Nos. 558,820–1, published June 12, 1951.
Publication, Monthly. M. Saunders. 548,263, Sept. 18; Serial No. 594,729, published June 12, 1951.
Publication, Periodical. Barker, Moore & Mein Company. 287,080, renewed Sept. 15, 1951. O. G. Sept. 18.
Publication, Periodical. International Minerals & Chemical Corporation. 548,423, Sept. 18; Serial No. 604,369, published June 19, 1951.
Publication, Periodical. National Comics Publications, Inc. 548,419, Sept. 18; Serial No. 604,158, published June 26, 1951.
Sets of bonnet sheets. L. B. Driscoll. 548,143, Sept. 18; Serial No. 572,230, published June 19, 1951.
Stamps, Trading. R. W. Stayton. 444,567, Sept. 18; Serial No. 521,969, published June 26, 1951.

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Aprons. Edmont Manufacturing Company. 548,442, Sept. 18; Serial No. 605,651, published June 12, 1951.
Aprons, Ladies'. H. S. Drake. 548,256, Sept. 18; Serial No. 593,790, published June 26, 1951.
Boots and shoes. Thompson Bros. Shoe Co. 548,110, Sept. 18; Serial No. 554,735, published June 26, 1951.
Boots and shoes, Men's and boys' leather and canvas. E. T. Wright & Company, Inc. 287,189, renewed Sept. 15, 1951. O. G. Sept. 18.
Boots, shoes, slippers, sandles, etc. Powell & Campbell, Inc. 548,074, Sept. 18; Serial No. 531,366, published Apr. 20, 1948.
Brassieres, slips, petticoats, nightgowns. United Mills Corporation. 548,420, Sept. 18; Serial No. 604,166, published June 26, 1951.
Clothing. Societe a Responsabilite Limitee Anta. 548,268, Sept. 18; Serial No. 595,566, published June 26, 1951.
Coats and suits, Ladies', misses', and juniors'. Baitch & Castaldi, Inc. 548,303, Sept. 18; Serial No. 599,221, published June 12, 1951.
Dresses, coats, suits, etc., Children's, girls', ladies', and misses'. Hausen, Holfman & Weinberg. 548,374, Sept. 18; Serial No. 602,396, published June 12, 1951.
Dresses, coats, suits, etc., Women's, misses', and children's. Best & Co. Inc. 548,192, Sept. 18; Serial No. 583,316, published June 26, 1951.
Dungarees, Ladies' and girls'. Blue Bell, Inc. 548,417, Sept. 18; Serial No. 604,142, published June 12, 1951.
Dungarees, Ladies', girls', and kiddies' (girls). Blue Bell, Inc. 548,418, Sept. 18; Serial No. 604,143, published June 12, 1951.
Garments, Men's and women's waterproof sports. W. Shanhouse Sons, Incorporated. 548,227, Sept. 18; Serial No. 589,807, published June 19, 1951.
Hats, Men's, women's, and children's, etc. The Mallory Hat Company. 283,116, renewed May 19, 1951. O. G. Sept. 18.
Hosiery. Korth-Jefferson, Inc. 548,204, Sept. 18; Serial No. 585,649, published June 12, 1951.
Hosiery. Maro Hosiery Co., Inc. 548,125. Sept. 18; Serial No. 561,408, published June 12, 1951.
Hosiery, Boys' and girls'. McLellan Stores Company. 548,306, Sept. 18; Serial No. 602,101, published June 19, 1951.
Hosiery, Ladies'. Archer Mills, Inc. 548,302, Sept. 18; Serial No. 599,217, published June 19, 1951.
Hosiery, Women's. Lincoln Stores, Incorporated. 548,330, Sept. 18; Serial No. 602,847, published June 19, 1951.
Hosiery, Women's. National Hosiery Mills, Inc. 548,084, Sept. 18; Serial No. 539,976, published June 19, 1951.
Hosiery, Women's. Sapphire Hosiery Corporation. 548,343, Sept. 18; Serial No. 601,121, published June 19, 1951.
Jackets, Leather. Midwest Leather Clothing Co. 548,133, Sept. 18; Serial No. 566,090, published Jan. 3, 1950.
Moccasins, Infants'. G. H. Bass & Co. 548,081, Sept. 18; Serial No. 537,404, published June 12, 1951.
Overshoes, Men's, women's, and children's. Lucky Plastic Co., Inc. 548,392, Sept. 18; Serial No. 602,924, published June 12, 1951.
Pajamas, Men's. The Manhattan Shirt Company. 548,288, Sept. 18; Serial No. 597,406, published June 19, 1951.
Pajamas, Men's, boys', women's and girls'. Wilker Bros. Co. 548,394, Sept. 18; Serial No. 602,986, published June 19, 1951.
Pants, work shirts, overalls, etc, Men's and boys' work. Carwood Manufacturing Company. 548,086, Sept. 18; Serial No. 540,980, published June 26, 1951.
Raincoats, rubbers, overshoes, Women's, misses', and junior misses'. Stern Brothers. 289,065, renewed Nov. 17, 1951. O. G. Sept. 18.
Shoes. Shoe Corporation of America. 548,142, Sept. 18; Serial No. 569,572, published May 22, 1951.
Shoes, J. P. Smith Shoe Company. 548,095, Sept. 18; Serial No. 548,542, published Oct. 31, 1950.
Shoes and house slippers, Children's. Shoe Corporation of America. 548,252, Sept. 18; Serial No. 593,295, published May 22, 1951.
Shoes, Infants' tot-age. Ed White Junior Shoe Company. 548,071, Sept. 18; Serial No. 530,689, published June 26, 1951.
Shoes, Ladies' and girls' Carlisle Shoe Company. 548,410, Sept. 18; Serial No. 603,834, published June 12, 1951.
Shoes, Ladies' and misses'. Tweedie Footwear Corporation. 289,131, renewed Nov. 17, 1951. O. G. Sept. 18.
Shoes, Men's and boys'. Daly Bros. Shoe Co. Inc. 548,140, Sept. 18; Serial No. 569,337, published June 26, 1951.
Shoes, Men's and boys'. The May Department Stores Company. 548,132, Sept. 18; Serial No. 565,442, published June 26, 1951.
Shoes, sandals, and boots, Infants' and children's. The Black River Shoe Co. 548,138, Sept. 18; Serial No. 567,621, published June 26, 1951.
Shoes, Women's. Joyce, Inc. 548,387, Sept. 18; Serial No. 602,843, published June 12, 1951.
Shoes, Women's. Joyce, Inc. 548,388, Sept. 18; Serial No. 602,844, published June 19, 1951.
Shoes, Women's. Joyce, Inc. 548,412, Sept. 18; Serial No. 603,957, published June 12, 1951.
Slipper, Sanitary disposable. D & K Company, Inc. 548,362, Sept. 18; Serial No. 601,886, published June 26, 1951.
Socks and stockings, cardigans, etc. Knitted. G. Peck, (Leicester) Limited. 548,098, Sept. 18; Serial No. 548,958, published June 19, 1951.
Suits and coats, Ladies'. Calliday of California. 548,170, Sept. 18; Serial No. 578,566, published June 12, 1951.
Suits, coats, dresses, etc., Women's and misses', juniors' and children's. The Blum Store. 548,168, Sept. 18; Serial No. 578,366, published June 5, 1951.
Suits, overcoats, trousers, etc., Men's and boys'. Lesnow Brothers. 276,794, renewed Oct. 28, 1950. O. G. Sept. 18.
Sweaters, caps, scarfs, etc., Men's and boys' knitted. N. Hirsch. 548,109, Sept. 18; Serial No. 554,667, published June 26, 1951.

CLASS 40

Art needlework kit or package. R. C. Moses. 548,171, Sept. 18; Serial No. 579,045, published June 5, 1951.
Buttons. Quix-On, Inc. 548,166, Sept. 18; Serial No. 578,100, published June 19, 1951.

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Canvas, Waterproof and flameproof. C. R. Daniels, Inc. 548,115, Sept. 18; Serial No. 557,436, published June 19, 1951.
Cloth in the piece. Fruit of the Loom, Inc. 548,261, Sept. 18; Serial No. 594,316, published June 19, 1951.
Fabric. Downing Trading Corporation. 548,323, Sept. 18; Serial No. 600,124, published June 19, 1951.
Fabric, Elastic. Dominion Corset Company, Limited. 548,241, Sept. 18; Serial No. 591,827, published June 19, 1951.
Fabric, Knitted wool. Jantzen Knitting Mills Inc. 548,236, Sept. 18; Serial No. 590,937, published June 19, 1951.
Fabrics. The Millville Manufacturing Company. 548,305, Sept. 18; Serial No. 599,335, published May 29, 1951.
Fabrics, Duck and canvas. McCampbell & Company. 548,265, Sept. 18; Serial No. 594,910, published June 19, 1951.
Fabrics in the piece. Hego Fabrics, Inc. 548,198, Sept. 18; Serial No. 585,066, published June 19, 1951.
Fabrics in the piece. Traford Fabrics, Inc. 548,317, Sept. 18; Serial No. 599,993, published June 19, 1951.
Fabrics in the piece, Textile. Burlington Mills Corporation. 548,230, Sept. 18; Serial No. 590,069, published June 19, 1951.
Fabrics, Knitted. Alamac Knitting Mills, Inc. 548,314, Sept. 18; Serial No. 599,737, published June 19, 1951.
Fabrics, Rayon. Kenya Corporation. 548,445, Sept. 18; Serial No. 606,144, published June 19, 1951.
Fabrics, Woven, woolen or worsted. Lynx Corporation. 548,443, Sept. 18; Serial No. 606,803, published June 19, 1951.
Handkerchiefs; linen piece goods, etc. Lin-Erin Limited. 274,629, renewed Sept. 2, 1950. O. G. Sept. 18.

Piece goods. Traub-Lyons-Oppenheim, Inc. 548,318–19, Sept. 18; Serial Nos. 599,998–9, published June 19, 1951.
Piece goods, Cotton. Highland Park Manufacturing Company. 548,425, Sept. 18; Serial No. 604,578, published June 12, 1951.
Piece goods, Rayon, cotton, and silk. Sun Fashions of Hawaii. 548,262, Sept. 18; Serial No. 594,595, published June 19, 1951.
Piece goods, Woolen. Botany Worsted Mills. 347,117, June 15, 1937. Republished Sept. 18.
Piece goods, Woolen and worsted. Botany Worsted Mills. 327,651, Sept. 3, 1935. Republished Sept. 18.
Pillow cases and table covers, shower curtains, etc. Fine Art Pillow & Specialties Corp. 548,240, Sept. 18; Serial No. 591,774, published June 19, 1951.
Quilting, Textile, quilts, and quilted mattress protectors. Acme Quilting Company, Inc. 548,264, Sept. 18; Serial No. 594,876, published June 19, 1951.
Rugs and carpets, Textile. Nye-Walt Company, Inc. 548,321, Sept. 18; Serial No. 600,070, published June 19, 1951.
Rugs and carpets, Textile all-wool. Hugh Nelson-Columbia Carpet Mills, Inc. 548,249, Sept. 18; Serial No. 592,814, published June 19, 1951.
Rugs, Cotton. Lawrence Products Company, Inc. 548,259, Sept. 18; Serial No. 593,927, published June 19, 1951.
Rugs, Textile, and bath mat sets. Monarch Chenilles, Inc. 548,127, Sept. 18; Serial No. 562,078, published June 19, 1951.
Sheet blankets, towels, mattress pads, etc. The Associated Merchandising Corporation. 548,322, Sept. 18; Serial No. 600,099, published June 19, 1951.

CLASS 43

Thread, Cotton. Bay State Thread Works. 548,421, Sept. 18; Serial No. 604,185, published June 26, 1951.
Yarn, Synthetic. Henry Pollak, Inc. 548,408, Sept. 18; Serial No. 603,811, published June 26, 1951.
Yarns, Hand knitting. Botany Worsted Mills. 404,135, Nov. 2, 1943. Republished Sept. 18.

CLASS 44

Belts used for therapeutic or corrective purposes, Magnetic. J. A. Berecochea. 548,398, Sept. 18; Serial No. 603,106, published June 12, 1951.
Hair removal equipment. Mahler's, Inc. 548,332, Sept. 18; Serial No. 600,387, published June 12, 1951.
Hospital bed accessories. Simmons Company. 548,280, Sept. 18; Serial No. 596,759, published June 12, 1951.
Infant nursing bottles, nipples, and caps therefor. No-Vac Products Company, Inc. 548,456, Sept. 18; Serial No. 611,614, published June 12, 1951.

CLASS 45

Beverages, Carbonated, nonalcoholic, noncereal, maltless. Arrowhead Springs Beverage Co. 260,526, Aug. 27, 1929. Republished Sept. 18.

CLASS 46

Alfalfa meal. Nebraska Farm Products, Inc. 548,334, Sept. 18; Serial No. 600,442, published May 15, 1951.
Apples, Fresh. Standard Fruits, Inc. 548,167, Sept. 18; Serial No. 578,230, published May 22, 1951.
Bacon, hams, lard. Chas. & Thos. Harris & Co., Limited. 82,324, re-renewed June 20, 1951. O. G. Sept. 18.
Beef steaks, Prepared and cooked ground, and sandwiches. The National Corporation of America. 548,187, Sept. 18; Serial No. 582,492, published May 29, 1951.
Bread, cakes, fried coconut pies, etc. Hecht's Bakery, Inc. 548,234, Sept. 18; Serial No. 590,812, published June 19, 1951.
Candies. Barton, Inc. 548,148, Sept. 18; Serial No. 573,609, published May 8, 1951.
Candies. The Fair. 548,326, Sept. 18; Serial No. 600,259, published May 8, 1951.
Candies. Lion Specialty Co. 548,073, Sept. 18; Serial No. 531,340, published May 22, 1951.
Candies. Mason, Au & Magenheimer Conf. Mfg. Co. 548,487, Sept. 18; Serial No. 605,105.
Candies. Robertson & Woodcock Limited. 548,284, Sept. 18; Serial No. 597,043, published May 22, 1951.
Candy. Blum's. 548,308, Sept. 18; Serial No. 599,415, published May 8, 1951.
Candy. Candy Kitchens, Inc. 286,397, renewed Aug. 25, 1951. O. G. Sept. 18.
Candy. Candy Kitchens, Inc. 286,931, renewed Sept. 8, 1951. O. G. Sept. 18.
Candy. G. Chan. 548,266, Sept. 18; Serial No. 595,245, published June 19, 1951.
Candy. Dairy Maid Confectionery Company. 548,201, Sept. 18; Serial No. 585,219, published June 12, 1951.
Candy. Glade Candy Co. 548,173, Sept. 18; Serial No. 579,411, published June 19, 1951.
Candy. The Maramor Company. 548,193, Sept. 18; Serial No. 584,069, published May 29, 1951.
Candy. Meiba Sweets Co. 548,174, Sept. 18; Serial No. 579,442, published May 8, 1951.
Candy. P. Wunderle. 548,214, Sept. 18; Serial No. 587,666, published Sept. 19, 1950.
Candy bars and box chocolates. Merrill Candy Company. 548,156, Sept. 18; Serial No. 576,006, published May 29, 1951.
Canned caviar. Vita Food Products Incorporated. 548,097, Sept. 18; Serial No. 548,889, published June 26, 1951.
Canned corn. Minnesota Valley Canning Company. 289,114, renewed Nov. 17, 1951. O. G. Sept. 18.
Canned crabmeat and tuna fish. Mitchel Beck Company, Inc. 548,327, Sept. 18; Serial No. 600,302, published June 5, 1951.
Canned dog food. Middlesex Wholesale Grocery Company. 548,400, Sept. 18; Serial No. 603,375, published June 5, 1951.
Canned fish. R. E. Friedman. 548,210, Sept. 18; Serial No. 587,079, published June 26, 1951.
Canned fruit, canned vegetables, canned soup, etc. Hale-Halsell Company. 548,270, Sept. 18; Serial No. 596,026, published May 29, 1951.
Canned fruits and vegetables. Connell Bros. Company, Limited. 548,297, Sept. 18; Serial No. 598,834, published June 5, 1951.
Canned ham. Atalanta Products Corp. 548,340, Sept. 18; Serial No. 601,012, published June 5, 1951.
Canned meat. Arthur L. Peirson, Inc. 548,294, Sept. 18; Serial No. 598,384, published May 8, 1951.
Canned olives. Terra Bella Olive Association. 548,338, Sept. 18; Serial No. 600,860, published May 8, 1951.
Canned sardines. Haas, Baruch & Co. 288,614, renewed Nov. 3, 1951. O. G. Sept. 18.
Canned scrapple. F. G. Vogt & Sons, Incorporated. 377,974, May 21, 1940. Republished Sept. 18.
Canned shrimp. R. Skrmetta. 548,485, Sept. 18; Serial No. 601,757.
Canned tomatoes. Henry W. Roberts Company. 548,298, Sept. 18; Serial No. 598,960, published May 29, 1951.
Canned tomatoes. Roberts & Morgan. 548,477, Sept. 18; Serial No. 580,517.
Canned vegetables. Phillips Packing Co. Inc. 548,367, Sept. 18; Serial No. 602,108, published May 22, 1951.
Canned vegetables, canned fruits, etc. Henry Borgmiller & Sons. 548,082, Sept. 18; Serial No. 539,125, published May 29, 1951.
Canned vegetables, canned fruits, canned seafoods, etc. Griggs, Cooper & Company. 548,248, Sept. 18; Serial No. 592,810, published May 22, 1951.
Cereals, Packaged breakfast. American Stores Company. 548,229, Sept. 18; Serial No. 590,057, published May 22, 1951.
Cheese. Societe Anonyme Des Caves & Des Producteurs Reunis De Roquefort. 287,989, renewed Oct. 20, 1951. O. G. Sept. 18.
Cherries, Bottled, and bottled olives. Van Dyke & Reeves Inc. 548,295, Sept. 18; Serial No. 598,398, published June 5, 1951.
Chicken, Boned, boned turkey. C. A. Swanson & Sons. 548,067, Sept. 18; Serial No. 528,035, published May 15, 1951.
Chocolates and candies, Packaged. The Maillard Corp. 548,161, Sept. 18; Serial No. 577,133, published June 19, 1951.
Codfish, Salt, codfish cakes, dried beef, etc. J. W. Beardsley's Sons. 548,475, Sept. 18; Serial No. 560,158.
Conditioning agents for use in foods, Surface-active. Distillation Products, Inc. 548,220, Sept. 18; Serial No. 588,919, published June 12, 1951.
Confection mixture. Cardinet Candy Company, Inc. 548,117, Sept. 18; Serial No. 558,628, published May 1, 1951.
Confectionery and chocolate. W. F. Schrafft & Sons. 36,574, re-renewed June 11, 1951. O. G. Sept. 18.
Cookies. The Kroger Co. 548,197, Sept. 18; Serial No. 584,675, published May 29, 1951.
Crackers. American Bakeries Company. 548,078, Sept. 18; Serial No. 534,500, published June 26, 1951.
Dairy products. The Polk Sanitary Milk Company. 283,594, renewed June 2, 1951. O. G. Sept. 18.
Doughnuts. R. V. McCauley. 548,344, Sept. 18; Serial No. 601,154, published May 22, 1951.
Extracts and juices, Fruit and vegetable. Prime Products, Inc. 548,144, Sept. 18; Serial No. 573,140, published May 29, 1951.
Flour, Self rising, scratch feed, and laying mash, etc. Puritan Mills. 548,089, Sept. 18; Serial No. 545,165, published May 22, 1951.
Flour, Wheat. Federal Mill, Inc. 287,209, renewed Sept. 15, 1951. O. G. Sept. 18.
Flour, Wheat. Inland Milling Company. 271,744, June 17, 1930. Republished Sept. 18.
Flour, Wheat. Inland Milling Company. 272,186, July 1, 1930. Republished Sept. 18.
Flour, Wheat. International Milling Company. 548,290, Sept. 18; Serial No. 597,561, published June 5, 1951.
Flour, Wheat. Pillsbury Mills, Inc. 548,250, Sept. 18; Serial No. 593,082, published Nov. 28, 1950.
Flour, Wheat. Tex-O-Kan Flour Mills Co. 548,313, Sept. 18; Serial No. 599,680, published June 5, 1951.
Flour, Wheat, coffee, olives, etc. Associated Grocers Company of St. Louis, Missouri. 548,360, Sept. 18; Serial No. 601,657, published May 29, 1951.
Flour, Wheat, poultry and dairy feeds. The Hogan Milling Company. 284,127, renewed June 16, 1951. O. G. Sept. 18.

Food, Dog. Robin Pet Shop. 548,111, Sept. 18; Serial No. 535,305, published May 22, 1951.
Food product. Honeggers' & Co., Inc. 548,152, Sept. 18; Serial No. 575,643, published May 29, 1951.
Food products, Frozen. Ayres and Roberts. 548,242, Sept. 18; Serial No. 591,975, published June 19, 1951.
Frostings, Flavored. Fred Fear & Co. 548,286, Sept. 18; Serial No. 597,144, published June 19, 1951.
Fruits, Fresh deciduous, and fresh grapes. Youngstown Grape Distributors. 548,370, Sept. 18; Serial No. 602,179, published May 29, 1951.
Gelatine. B. Young & Company Limited. 548,164, Sept. 18; Serial No. 577,839, published June 19, 1951.
Gelatinous substance. Joseph Middleby, Jr., Inc. 548,121, Sept. 18; Serial No. 559,937, published June 19, 1951.
Grapes, Fresh. W. Thornburg. 548,377, Sept. 18; Serial No. 602,577, published May 29, 1951.
Griddle cake and waffle batter, Prepared. Pan Waff Inc. 548,350, Sept. 18; Serial No. 601,369, published May 15, 1951.
Ham. Modern Food Process Company. 307,669, Oct. 31, 1933. Republished Sept. 18.
Ham, Cooked and canned, fruit preserves, canned fruits. Societe Anonyme Maison Olida. 548,244, Sept. 18; Serial No. 592,105, published June 19, 1951.
Ham, Smoked. Fred Wolferman, Inc. 548,258, Sept. 18; Serial No. 593,645, published June 19, 1951.
Honey spread and liquid honey. Finger Lakes Honey Producers Co-Operative, Incorporated. 548,269, Sept. 18; Serial No. 595,950, published June 19, 1951.
Ice cream, Packaged. Quality Dairy Company. 548,246, Sept. 18; Serial No. 592,387, published June 5, 1951.
Lard, ham, bacon and scrapple. F. G. Vogt & Sons, Inc. 95,723, Mar. 3, 1914. Republished Sept. 18.
Macaroni. Prince Macaroni Manufacturing Company. 548,225-6, Sept. 18; Serial No. 589,528-9, published June 5, 1951.
Macaroni, Short cuts of. V. La Rosa & Sons, Inc. 548,310, Sept. 18; Serial No. 599,572, published May 15, 1951.
Marmalade, Lime. L. Rose & Co., Limited. 548,165, Sept. 18; Serial No. 578,049, published May 15, 1951.
Meat loaves. F. G. Vogt & Sons, Incorporated. 367,494, May 16, 1939. Republished Sept. 18.
Melons, Fresh. Colt Ranch, Inc. 548,062, Sept. 18; Serial No. 511,933, published May 22, 1951.
Milk. Henry Becker & Son, Inc. 289,162-3, renewed Nov. 17, 1951. O. G. Sept. 18.
Milk, Evaporated. American Stores Company. 548,274, Sept. 18; Serial No. 596,252, published May 22, 1951.
Milk powders, Modified, modifying agents for milk powders and milk products, etc. De-Raef Corporation. 548,299, Sept. 18; Serial No. 598,987, published June 5, 1951.
Mix for pancakes, waffles, cakes, etc., Prepared. Batter Rich Corporation. 548,347, Sept. 18; Serial No. 601,189, published June 19, 1951.
Orange juice. B. Rose. 548,271, Sept. 18; Serial No. 596,121, published June 5, 1951.
Peanuts, Shelled salted. Planters Nut & Chocolate Company. 548,368, Sept. 18; Serial No. 602,110, published May 29, 1951.
Pies. Tasty Baking Company. 287,940, renewed Oct. 20, 1951. O. G. Sept. 18.
Pork sausages. F. G. Vogt & Sons, Incorporated. 369,456, July 25, 1939. Republished Sept. 18.
Poultry products, Quick frozen. The Rath Packing Company. 548,348, Sept. 18; Serial No. 601,231, published May 15, 1951.
Powder suitable for making food beverage. Gunther & Co. 548,329, Sept. 18; Serial No. 600,333, published May 15, 1951.
Pretsels, pretsel sticks, and potato chips. American Cone & Pretsel Company. 548,307, Sept. 18; Serial No. 599,408, published June 19, 1951.
Rice, Packages of. Lake Rice Mill, Inc. 548,186, Sept. 18; Serial No. 582,487, published June 5, 1951.
Salt, Table. Jefferson Island Salt Company. 548,480, Sept. 18; Serial No. 586,067.
Sauce, Barbeque. J. M. Graham. 548,146, Sept. 18; Serial No. 573,541, published June 5, 1951.
Scrapple, ham, and rinds of ham and bacon. F. G. Vogt & Sons, Incorporated. 345,363, Apr. 27, 1937. Republished Sept. 18.
Sodium acid pyrophosphate for use as a baking acid. Victor Chemical Works. 548,068, Sept. 18; Serial No. 528,542, published May 22, 1951.
Soybean butter, canned soybean milk, soybean meal, etc. The Lo Hi Food School. 548,083, Sept. 18; Serial No. 539,987, published May 29, 1951.
Spaghetti sauce, Spanish rice and macaroni dinner. H. C. Brill Company, Inc. 548,301, Sept. 18; Serial No. 599,060, published May 29, 1951.
Tomatoes, Fresh, canned tomato puree, canned pimento peppers, etc. C. B. Williams. 548,196, Sept. 18; Serial No. 588,518, published May 15, 1951.
Tomatoes, Pickled. Atkins Pickle Company. 548,333, Sept. 18; Serial No. 600,410, published May 15, 1951.
Vegetables, Fresh. A. J. Aahkar. 548,484, Sept. 18; Serial No. 598,564.
Vegetables, Fresh. Parks & Brock. 548,488, Sept. 18; Serial No. 605,604.
Vegetables, Fresh. Pismo-Oceano Vegetable Exchange. 548,350, Sept. 18; Serial No. 601,565, published May 15, 1951.
Vegetables, Fresh. The Rocky Mountain Produce Co. 548,088, Sept. 18; Serial No. 542,881, published June 26, 1951.
Vegetables, Frozen. Bay City Freezer, Inc. 548,291, Sept. 18; Serial No. 597,660 published Apr. 17, 1951.
Wheat-flour. Western Flour Mill Company. 82,543, renewed July 4, 1951. O. G. Sept. 18.

CLASS 51

Face powders, talcum powders, rouges, etc. Société des Parfums Weil (Societe Anonyme). 282,352, renewed Apr. 21, 1951. O. G. Sept. 18.
Face powders, talcum powders, rouges, etc. Societe des Parfums Weil (Societe Anonyme). 282,444, renewed Apr. 21, 1951. O. G. Sept. 18.
Face powders, talcum powders, rouges, etc. Societe des Parfums Weil (Societe Anonyme). 282,944, renewed May 5, 1951. O. G. Sept. 18.
Perfume, toilet water, eau de cologne, etc. Parfumerie de Raymond. 383,884, Dec. 24, 1940. Republished Sept. 18.
Preparations for the treatment of the hair and scalp. John H. Breck, Inc. 285,031, renewed July 14, 1951. O. G. Sept. 18.

CLASS 52

Cleaning compositions and compounds. The Dow Chemical Company. 285,606, renewed July 28, 1951. O. G. Sept. 18.
Cleaning compound. Huntington Laboratories, Inc. 288,851, renewed Nov. 10, 1951. O. G. Sept. 18.
Cleaning preparation, General household. Help, Inc. 439,859, July 27, 1948. Republished Sept. 18.
Detergent compositions. Fuld Brothers, Inc. 548,281, Sept. 18; Serial No 596,787, published May 29, 1951.
Soap. Erasmic Company Limited. 548,203, Sept. 18; Serial No. 585,578, published May 29, 1951.
Soap, Granulated laundry. Gordon-Allen Ltd. 284,755, renewed July 7, 1951. O. G. Sept. 18.
Soaps, Hand, face and skin, shampoo, powdered soap, etc. S. Silber. 548,267, Sept. 18; Serial No. 595,287, published May 29, 1951.

CLASS 100

Consulting services. National Aluminate Corporation. 548,467, Sept. 18; Serial No. 579,204, published June 19, 1951.
Organizing and holding meetings and competitions and other special events, etc. The United States Junior Chamber of Commerce. 548,461, Sept. 18; Serial No. 557,323, published June 19, 1951.

CLASS 101

Advertising the goods and services of others. Pacific Northwest Broadcasters. 548,471, Sept. 18; Serial No. 601,167, published June 19, 1951.
Broadcasting and advertising, Radio program. WJR The Goodwill Station, Inc. 548,460, Sept. 18; Serial No. 545,609, published June 19, 1951.
Consulting services to foundries. Meehanite Metal Corporation. 548,468, Sept. 18; Serial No. 586,007, published June 19, 1951.

CLASS 102

Finance and loan services. General Finance Corporation. 548,470, Sept. 18; Serial No. 595,775, published Jan. 16, 1951
Financial factoring. C. I. T. Financial Corporation. 548,462, Sept. 18; Serial No. 561,077, published Jan. 16, 1951.
Financing and refinancing automobile sales. Home Finance Group, Inc. 548,466, Sept. 18; Serial No. 576,058, published June 19, 1951.
Underwriting of insurance. Selected Risks Indemnity Company. 548,465, Sept. 18; Serial No. 569,480, published June 19, 1951.

CLASS 103

Cleaning of furs and fur garments. Kleinsway, Inc. 548,463-4, Sept. 18; Serial Nos. 566,757-8, published June 19, 1951.
Rental of automotive washing equipment. Washmobile Corp. 548,489, Sept. 18; Serial No. 568,081.

CLASS 104

Broadcasting services, Radio program. Columbia Broadcasting System, Inc. 548,459, Sept. 18; Serial No. 545,080, published June 19, 1951.

CLASS 105

Motor truck transportation of freight. The Silver Fleet Motor Express, Inc. 548,457, Sept. 18; Serial No. 540,205, published Apr. 25, 1950.

CLASS 107

Entertainment service. Balaban & Katz Corporation. 548,469, Sept. 18; Serial No. 592,466, published June 19, 1951.
Information service. Bulletin Company. 548,458, Sept. 18; Serial No. 543,253, published June 26, 1951.

LIST OF PLANT PATENTEES

Armstrong, John S., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Eugenia plant. 1,037, Sept. 18.
Armstrong Nurseries, Inc., assignee: *See*—
Armstrong, John S.
Jackson & Perkins Company, assignee: *See*—
Kordes, Wilhelm.
Verschuren, Hendrikus A. M.
Kordes, Wilhelm, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,036, Sept. 18.
Verschuren, Hendrikus A. M., Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,038, Sept. 18.

LIST OF DESIGN PATENTEES

American Optical Company, assignee: *See*—
Baratelli, Charles A.
Anderson, Albert L.: *See*—
Myers, Leslie W., and Anderson.
Bakewell, Sidney, Detroit, Mich. Meat tenderizing machine. 164,543, Sept. 18.
Baratelli, Charles A., Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass. Pair of spectacles or the like. 164,544, Sept. 18.
Beach, Sidney E., Detroit, Mich. Power-driven wheel chair. 164,545, Sept. 18.
Becker, Nathaniel, New York, N. Y., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa. Hose reel or the like. 164,546, Sept. 18.
Becker, Wilfred C., Allen Park, assignor to Built-Rite Manufacturers, Detroit, Mich. Magazine rack. 164,547, Sept. 18.
Bendersky, David: *See*—
Wallance, Donald A., and Bendersky.
Blish, Matthew B., Oak Park, Ill. Advertising magnetic pencil holder. 164,548, Sept. 18.
Brandmeier, Philip A.: *See*—
Grover, Frederic S., Brandmeier, and Brice.
Brice, James E.: *See*—
Grover, Frederic S., Brandmeier, and Brice.
Brice, Jesse F., assignor to Brice Toy & Novelty, Inc., East Aurora, N. Y. Caterpillar pull toy. 164,549, Sept. 18.
Brice Toy & Novelty, Inc., assignee: *See*—
Brice, Jesse F.
Built-Rite Manufacturers, assignee: *See*—
Becker, Wilfred C.
Chapel, Clifford C.: *See*—
Leitch, Francis C., Kissner, Leitch, and Chapel.
Chernow, Michael, New York, N. Y. Bracelet or similar article. 164,550, Sept. 18.
Connell, Evan S., Jr., Kansas City, Mo. Food tray. 164,551, Sept. 18.
Curtis, Philip C., Scottsdale, Ariz. Table. 164,552, Sept. 18.
Custer, Charles C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire. 164,553, Sept. 18.
Dailey, Donald E., Evansville, Ind., assignor to Proctor Electric Company, Philadelphia, Pa. Automatic pressure cooker stand. 164,554, Sept. 18.
Davis, Morrison M., Houston, Tex. Desk set support. 164,555, Sept. 18.
De-Bug-er, Inc., assignee: *See*—
Leitch, Francis C., Kissner, Leitch, and Chapel.
Donkin, William H., Ealing, London, England. Adhesive tape dispenser. 164,556, Sept. 18.
Downs, Alfred B., Jr., Columbus, Miss. Perpetual calendar. 164,557, Sept. 18.
Easley, John M., Abilene, Tex. Massage device. 164,558, Sept. 18.
Electrolux Corporation, assignee: *See*—
Wahlberg, Eric C., and Moughty.
Elias, Solomon, New York, N. Y. Blouse or the like. 164,559, Sept. 18.
Ellison, George W., Baltimore, Md. Combined artificial flower, pot, and plant stem ornament. 164,560, Sept. 18.
Erisman, William F., Greenfield, Mass., assignor to Erving Paper Mills. Embossed paper napkin or the like. 164,561, Sept. 18.
Erving Paper Mills, assignee: *See*—
Erisman, William F.
Gould, Ruth.
Housen, Morris.
Feinberg, Theodore L., Chicago, Ill. Wall plaque for salt and pepper shakers. 164,562, Sept. 18.
Feintuch, Max: *See*—
Jay, Benjamin F., and Feintuch.
Fouts, Harry B., Des Moines, Iowa, assignor to Sealy, Incorporated, Chicago, Ill. Sofa bed. 164,563, Sept. 18.
Franck, Kurt, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Lighting fixture globe. 164,564, Sept. 18.
Freedman, Adele Q., New York, N. Y. Leather or similar article. 164,565, Sept. 18.
Friedman, Morris, Brooklyn, N. Y. Display container or similar article. 164,566, Sept. 18.
Gem Rubber Corporation, assignee: *See*—
Suender, Socha, and Gottschalk.
General Electric Company, assignee: *See*—
Otto, Carl.
Goodrich, B. F., Company, The, assignee: *See*—
Custer, Charles C.
Gosselin, Leo, Woburn, Quebec, Canada. Direction indicator. 164,567, Sept. 18.
Gottschalk, Emil: *See*—
Suender, Socha and Gottschalk.
Gould, Ruth, Bedminster, N. J., assignor to Erving Paper Mills. Embossed paper napkin or the like. 164,568, Sept. 18.
Grosso, Joseph A., Bridgeport, Conn. Picture frame. 164,569, Sept. 18.
Grover, Frederic S., Brighton, P. A. Brandmeier, Pittsford, and J. E. Brice, Brighton, N. Y. Golf club conveyance. 164,570, Sept. 18.
Hale, Gerald A., Oklahoma City, Okla. Parking meter casing. 164,571, Sept. 18.
Happe, Arthur H., Detroit, Mich. Coaster. 164,572, Sept. 18.
Hayden, Martin S., Chicago, Ill. Lamp base. 164,573, Sept. 18.
Hayden, Martin S., Chicago, Ill. Lamp base. 164,574, Sept. 18.
Heard, Edward C., Los Angeles, Calif. Reading magnifier. 164,575, Sept. 18.
Hedwall, Fred A., Sacramento, Calif. Time controlled pet feeder. 164,576, Sept. 18.
Henderson, Raymond L., assignor to Norris Inc., Atlanta, Ga. Display stand. 164,577, Sept. 18.
Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strip of electrical insulating material. 164,578, Sept. 18.
Herrmann, Ernest, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. Vanity table or similar article. 164,579, Sept. 18.
Heywood-Wakefield Company, assignee: *See*—
Herrmann, Ernest.
Hockery, John C., trustee, assignee: *See*—
Houbolt, Neil.
Hoffman, Clarence V., Whittier, Calif. Towel holder. 164,580, Sept. 18.
Holophane Company, Inc., assignee: *See*—
Franck, Kurt.
Houbolt, Neil, Joliet, Ill., assignor to J. C. Hockery, Kansas City, Mo., as trustee. Deep fat fryer. 164,581, Sept. 18.
Housen, Morris, Erving, Mass., assignor to Erving Paper Mills. Embossed paper napkin or the like. 164,582, Sept. 18.
Jay, Benjamin F., and M. Feintuch, Brooklyn, assignors to Magnafax Corporation, New York, N. Y. Educational toy. 164,583, Sept. 18.
Kissner, Lawrence M.: *See*—
Leitch, Francis C., Kissner, Leitch, and Chapel.
Koegel, Ervin C., St. Louis, Mo. Desk. 164,584, Sept. 18.
Leitch, Francis C., L. M. Kissner, and J. E. Leitch, Owosso, and C. C. Chapel, Flint, assignors to De-Buger, Inc., Owosso, Mich. Insecticide vaporizer. 164,585, Sept. 18.
Leitch, James E.: *See*—
Leitch, Francis C., Kissner, Leitch, and Chapel.
Lindberg, Carl R., Los Gatos, Calif. Faucet for garden hose or the like. 164,586, Sept. 18.
Magnafax Corporation, assignee: *See*—
Jay, Benjamin F., and Feintuch.
Manley, Inc., assignee: *See*—
Waas, Samuel M.
Marchant Calculating Machine Company, assignee: *See*—
Studley, Clarence K., Jr.
Marks, Robert J., Castro Valley, Calif. Spectacle case. 164,587, Sept. 18.
Marvellum Company, The: *See*—
Phelps, Elizabeth.
Mengel Company, The, assignee: *See*—
Soehner, Howard C.
Midwest Research Institute, assignee: *See*—
Wallance, Donald A., and Bendersky.

Moss, Maurice, New York, N. Y. Chain for a bracelet or the like. 164,588, Sept. 18.
Moughty, John J.: *See*—
Wahlberg, Eric C., and Moughty.
Mueller, Max B., Bloomfield, N. J., and S. Shapiro, Brooklyn, N. Y. Woman's stocking. 164,589, Sept. 18.
Mulhern, Frederick J., Waterford, N. Y. Timed automatic pet feeder. 164,590, Sept. 18.
Murphy, John P., Clifton Heights, Pa. Book. 164,591, Sept. 18.
Myers, Leslie W., and A. L. Anderson, assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn. Pair of rimless spectacles or similar article. 164,592, Sept. 18.
Nerpel, Charles E., Van Nuys, Calif. Photographic flash gun. 164,593, Sept. 18.
Norris Inc., assignee: *See*—
Henderson, Raymond L.
Otto, Carl, New York, N. Y., assignor to General Electric Company. Clockcase. 164,594, Sept. 18.
Owen, George, Jr., Milton, and J. A. Rubico, East Boston, Mass. Tendon protector or similar article. 164,595, Sept. 18.
Penna, Toney, Delray Beach, Fla., assignor to Sport Products, Inc., Cincinnati, Ohio. Golf club head. 164,596, Sept. 18.
Penna, Toney, Delray Beach, Fla., assignor to Sport Products, Inc., Cincinnati, Ohio. Golf club head. 164,597, Sept. 18.
Peters, Lewis E., Beverly Shores, assignor to R. M. Price & Associates, Inc., Chesterton, Ind. Advertising sign. 164,598, Sept. 18.
Phelps, Elizabeth, assignor to The Marvellum Company, Holyoke, Mass. Paper. 164,599, Sept. 18.
Playford, Benjamin F., Staunton, Va. Stocking. 164,600, Sept. 18.
Plepla, Karl, Pelham, assignor to Superior Watch Corporation, New York, N. Y. Watch dial or similar article. 164,601, Sept. 18.
Precision-Cosmet Company, Inc., assignee: *See*—
Myers, Leslie W., and Anderson.
Price, Raymond M., & Associates, Inc., assignee: *See*—
Peters, Lewis E.
Proctor Electric Company, assignee: *See*—
Dailey, Donald E.
Punzak, Joseph F., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y. Clock. 164,602, Sept. 18.
Rabinowitz, Isidor, Philadelphia, Pa. Stocking. 164,603, Sept. 18.
Robins, Seymour, New York, N. Y. Three-dimensional decorative greeting card. 164,604, Sept. 18.
Romanchek, Theodore, Los Angeles, Calif. Card game playing device or similar article. 164,605, Sept. 18.
Rubico, Jerome A.: *See*—
Owen, George, Jr., and Rubico.
Schlage, Ernest L., Burlingame, Calif., assignor to Schlage Lock Company. Escutcheon for door locks. 164,606, Sept. 18.
Schlage Lock Company, assignee: *See*—
Schlage, Ernest L.
Sealy, Incorporated, assignee: *See*—
Fouts, Harry B.
Shapiro, Samuel: *See*—
Mueller, Max B., and Shapiro.
Soehner, Howard C., assignor to The Mengel Company, Louisville, Ky. Wall panel or similar article. 164,607, Sept. 18.
Sparenga, Joseph A., Cleveland, Ohio. Christmas tree stand. 164,608, Sept. 18.
Sport Products, Inc., assignee: *See*—
Penna, Toney.
Studley, Clarence K., Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Register carriage cover for a calculating machine. 164,609, Sept. 18.
Suender, Socha, and E. Gottschalk, assignors to Gem Rubber Corporation, New York, N. Y. Rubber overshoe. 164,610, Sept. 18.
Superior Watch Corporation, assignee: *See*—
Plepla, Karl.
Tenzer, Max, University City, Mo. Belt purse. 164,611, Sept. 18.
United Metal Goods Manufacturing Co., Inc., assignee: *See*—
Punzak, Joseph F.
Wass, Samuel M., assignor to Manley, Inc., Kansas City, Mo. Storage cabinet for popcorn. 164,612, Sept. 18.
Wahlberg, Eric C., Stamford, and J. J. Moughty, assignors to Electrolux Corporation, Old Greenwich, Conn. Electric space heater. 164,613, Sept. 18.
Wallance, Donald A., Washington, D. C., and D. Bendersky, said Bendersky, assignor to Midwest Research Institute, Kansas City, Mo. Dresser or similar article. 164,614, Sept. 18.
Warnell, Charles E., Portland, Oreg. Illuminating clip board. 164,615, Sept. 18.
Weiner, Martin, Passaic County, N. J. Combined clock and desk unit. 164,616, Sept. 18.
Weitlauf, Howard, Seattle, Wash. Cub Scout trophy. 164,617, Sept. 18.
Western Electric Company, Incorporated, assignee: *See*—
Henning, George E.
Wirt & Knox Mfg. Co., assignee: *See*—
Becker, Nathaniel.
Yuchtmann, Robert A., Fairmont, W. Va. Coblet. 164,618, Sept. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive Products, Inc., assignee: *See*—
Stewart, John S.
Addressograph-Multigraph Corporation, assignee: *See*—
Gollwitzer, Walter T.
Adelson, Fred L., San Diego, Calif. Tube rack for qualitative chemical anlysis. 2,568,677, Sept. 18.
Adjusto Sales Corporation, The, assignee: *See*—
Charest, Theodore W.
Adlake Company, The, assignee: *See*—
Hagerty, Andrew T., and Ehret.
Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Demodulator. 2,568,137, Sept. 18.
Admiral Corporation, assignee: *See*—
Fields, George.
Hoellerich, John L.
Vistain, James E., Jr.
Washburn, Neil E.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Findley, Thomas W., and Swern.
Tuomy, Justin M., and Slotter.
Ahlbrecht, Arthur H.: *See*—
Husted, Donald R., and Ahlbrecht.
Air Diesel Engine Corporation, assignee: *See*—
Weimer, William H.
Aktiebolaget Elektroulux, assignee: *See*—
Häggmark, Bror A.
Karlström, Johan F. R.
Aktiebolaget Svenska Kullagerfabriken, assignee: *See*—
Hjärpe, Erik G.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Hartmann, Hans.
Pfenninger, Hans.
Alessio, Ernesto D., Akron, Ohio. Apparatus for handling mixed concrete. 2,568,678, Sept. 18.
Alexander, Henry S., assignor to Keystone View Company, Meadville, Pa. Reading pacer apparatus. 2,568,577, Sept. 18.
Allen, George W., Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Safety fuel system for heaters. 2,568,107, Sept. 18.
Allen, John W., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Floating roof. 2,567,920, Sept. 18.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Jansson, Gustav E.
Alvarez, Luis W., Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Radio beacon and system utilizing it. 2,568,265, Sept. 18.
American Chain & Cable Company, Inc., assignee: *See*—
Grauel, Ernest H.
American Cyanamid Company, assignee: *See*—
Erickson, John G.
Hill, Alfred G., and Gale.
March, Nat H.
Medcalf, Eugene C., and Sisco.
Seeger, Doris R.
Vriens, Gerard N., Sisco, and Medcalf.
American Greeting Publishers, Inc., assignee: *See*—
Herr, Theodore Z.
American Machine & Foundry Company, assignee: *See*—
Warren, James W
American Machine and Metals Inc., assignee: *See*—
Le Van, Ambrose E.
American Steel Foundries, assignee: *See*—
Moline, Carl R.
Sedgwick, Robert K.
American Telephone and Telegraph Company, assignee: *See*—
Martin, Wade B.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
American Viscose Corporation, assignee: *See*—
Coleman, Melvin B., Sr.
American Welding & Manufacturing Company, The, assignee: *See*—
Wildman, Verne.
Anania, James A., Newark, assignor of one-half to C. P. Policastro, North Arlington, N. J. Wire tension control unit. 2,568,182, Sept. 18.
Anderson, Harold C., Chicago, Ill. Safety razor. 2,568,047, Sept. 18.
Anderson, Leslie J., Morrestown, N. J., assignor to Radio Corporation of America. Magazine-type magnetic phonograph having a fast rewind mechanism. 2,568,601, Sept. 18.
Anderson, William F., Wilmington, Calif. Bait holder. 2,568,602, Sept. 18.
Anemostat Corporation of America, assignee: *See*—
Wallen, George R.
Angle, Glenn D., Thomaston, assignor to The New Britain Machine Company, New Britain, Conn. Wrist pin retainer. 2,568,478, Sept. 18.
Animal Trap Company of America, assignee: *See*—
Lehn, John U.
Anthony, John B., Oakland, Calif. Roofing and siding. 2,568,603, Sept. 18.
Armstrong, Daniel A., W. J. Raleigh, and J. C. Bandli, assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Magneto structure and making the same. 2,568,579, Sept. 18.
Arnold, Charles D., Dunkirk, N. Y. Container holder. 2,568,266, Sept. 18.
Arnold, Elby N., Lawndale, Calif. Contractible awning. 2,568,048, Sept. 18.
Artzt, Maurice, Princeton, N. J., assignor to Radio Corporation of America. Electronic circuit arrangement. 2,568,533, Sept. 18.
Atkins, Clifford: *See*—
Duesbury, William H., and Atkins.
Atlantic Development Company, Inc., assignee: *See*—
De Lancey, Warren H.
Auto Appliance Patents Co., The, assignee: *See*—
Clark, Joel B.
Automatic Electric Laboratories, Inc., assignee: *See*—
Voss, John H.
Automatic Temperature Control Co., Inc., assignee: *See*—
Hunt, Walter L., and Macgeorge.
Macgeorge, William D.
Aviation Developments Limited, assignee: *See*—
Craigie, Samuel W.
Babcock & Wilcox Company, The, assignee: *See*—
Sparks, Cedric H.
Backman, William, Sacramento, Calif. Color-reflecting plastic button. 2,568,212, Sept. 18.
Bailey, Edgar P.: *See*—
Buckley, Charles W., and Bailey.
Baker Castor Oil Company, The, assignee: *See*—
Colbeth, Ivor M.
Baker, Harold L., Fresno, and R. D. Van Tassell, Danville, Calif. Recapping and retreading mold. 2,567,985, Sept. 18.
Baker, Leonard S., Clarksdale, Miss. Knockdown pedestal table with storage receptacle. 2,568,534, Sept. 18.
Baker Perkins Incorporated, assignee: *See*—
Pointon, John E.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Ruge, Arthur C.
Ballard, Charles E., Ogden, Utah. Board for demonstrating electric circuits. 2,568,535, Sept. 18.
Ballard, Seaver A.: *See*—
Whetstone, Richard R., Raab, and Ballard.
Bandli, John C.: *See*—
Armstrong, Daniel A., Raleigh, and Bandli.
Banks, Duncan J., assignee: *See*—
Duggan, Joseph J.
Barkis, Charles E., San Francisco, Calif., assignor by mesne assignments, to General Electric Company. Power distribution system. 2,568,480, Sept. 18.
Barnes, David K.: *See*—
Steitz, Alfred, Jr., and Barnes.
Barrett, Charlie E., Ashdown, Ark. Adjustable spring foot for cultivators. 2,568,267, Sept. 18.
Barrett, Edward R., assignor to F. E. Hummel, Chicago, Ill. Cooking utensil. 2,568,049, Sept. 18.
Barrett, George R., Minneapolis, Minn. Combined crib and wardrobe. 2,567,986, Sept. 18.
Barton, Raymond W., assignor to Mead Johnson & Company, Evansville, Ind. Dispensing closure for sterile liquid containers. 2,568,108, Sept. 18.
Bata, narodni podnik, assignee: *See*—
Richter, Jiří.
Bath, Carl C., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Pulse-width demodulator. 2,568,213, Sept. 18.
Battelle Development Corporation, assignee: *See*—
Lepp, Jack M., and Slyh.
Baumgartner, Luther L.: *See*—
Standen, John H., and Baumgartner.
Baumgartner, Luther L., Hastings on Hudson, assignor to The B. F. Goodrich Company, New York, N. Y. Herbicidal compositions. 2,567,987, Sept. 18.
Beaumont, William M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined line and tripping relay circuit for telephone lines. 2,568,138, Sept. 18.

Bechberger, Earl H., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Signature feeding and transferring mechanism. 2,568,604, Sept. 18.

Beears, Warren L.: *See*—
Jansen, Jacob E., and Beears.

Beech, Austin S., assignor to Foundry Equipment Limited, Leighton Buzzard, England. Apparatus for filling and ramming foundry flasks. 2,568,536, Sept. 18.

Beesley, Reginald R., Memphis, Tenn. Locating and indicating top dead center on engines. 2,568,109, Sept. 18.

Behnke, William A., Cary, Ill. Detachable window screen. 2,568,139, Sept. 18.

Belley, Irving, Providence, R. I., and A. H. Razee, Mansfield, Mass., assignors, by mesne assignments, to Hulman & Company, Inc., Terre Haute, Ind. Making glassy phosphate detergent compositions. 2,568,110, Sept. 18.

Belamin, Michael, Nuraberg, assignor to Siemens-Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany. Synchronous switching apparatus for electric circuits. 2,568,140, Sept. 18.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Beaumont, William M.
Graham, Frank H.
Nowek, Herman E., and Robb.
Scaff, Jack H., and Theuerer.
Spencer, Harry H.
Vroom, Edward.

Bell, Walter H., Port Arthur, Tex. Apparatus for cleaning tanks. 2,568,314, Sept. 18.

Bendix Aviation Corporation, assignee: *See*—
Bath, Carl C.
Eltgroth, George V.
Jandasek, Vladimir J.
Stamper, Hamilton A.
Sturm, Ralph E., and Cosby.
Whiffen, Richard E.
Wood, Louvan E.

Bennett, Foster C., assignor to The Dow Chemical Company, Midland, Mich. Electrically heated transfer pipe. 2,568,578, Sept. 18.

Bennett, James A. J., Round Riding Road, Scotland. Torary wing aircraft structure and interconnected damping device. 2,568,214, Sept. 18.

Bennett, Robert D., Grand Rapids, Mich. Scissors. 2,568,605, Sept. 18.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Level control. 2,568,379, Sept. 18.

Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Positioning means for pneumatic thread removers. 2,568,606, Sept. 18.

Beryllium Corporation, The, assignee: *See*—
Kawecki, Henry C., and Bielecki.

Best Manufacturing Co., Inc., assignee: *See*—
Steere, William F.

Bethe, Eugene J., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Latex foamed with hydrogen peroxide and a polyamine. 2,567,988, Sept. 18.

Bianca, Carmelo J., Sr., Indianola, Miss. Accelerator controlling device. 2,568,481, Sept. 18.

Bielecki, Edwin J.: *See*—
Kawecki, Henry C., and Bielecki.

Bielik, Paul G.: *See*—
Gallagher, William P., and Bielik.

Billiar, Irvin A., Depew, N. Y. Mold with riser and exothermic insert. 2,568,428, Sept. 18.

Bingenheimer, Melvin: *See*—
Walker, Eugene J., and Bingenheimer.

Birtman Electric Company, assignee: *See*—
Sparklin, Charles H.

Björklund, Gustaf E., Stockholm, Sweden. Contra-angle dental handpiece. 2,568,315, Sept. 18.

Black, Russell L.: *See*—
Weeks, Robert W., and Black.

Blanchard, William A., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin releaser for weft replenishing mechanism. 2,568,607, Sept. 18.

Blank, David S., assignee: *See*—
Dugran, Joseph J.

Blessing, Harry A., assignee: *See*—
Liebmann, August G.

Blomberg, Otto J., Chicago, Ill. Switch. 2,568,482, Sept. 18.

Boehm, Alfred A., Jr., New York, N. Y. Dielectric test apparatus. 2,567,921, Sept. 18.

Bohn Aluminum & Brass Corporation, assignee: *See*—
Goldsmith, Allen L.
Hickman, Charles E.

Bohn, Donald I., Pittsburgh, Pa. Engine speed governor. 2,568,390, Sept. 18.

Boltuch, Leon, Bronx, N. Y. Lamp arm with reinforcing cup for an electric lamp socket mounted thereon. 2,568,537, Sept. 18.

Bond, Donald C., Northbrook, assignor to The Pure Oil Company, Chicago, Ill. Corrosion-resistant storage tank. 2,568,111, Sept. 18.

Bonin, Wilfred L., Woonsocket, R. I. Nut lock. 2,568,483, Sept. 18.

Booth, John S., Dallas, Tex. Humidity control apparatus for refrigerators. 2,568,268, Sept. 18.

Borden Company, The, assignee: *See*—
Miollis, Raymond.

Borg-Warner Corporation, assignee: *See*—
Koppel, Ernst R., and Caldwell.
Mohns, Leslie F.
Tharpe, Rollin B.

Brailsford, Joseph D., and E. B. Vass, Chelmsford, assignors to Marconi's Wireless Telegraph Company Limited, London, England. Radio direction finder. 2,568,538, Sept. 18.

Bralley, James A., Bristol, Pa., assignor to The B. F. Goodrich Company, New York, N. Y. Polyunsaturated nitrogen-containing compounds and polymers thereof. 2,568,608, Sept. 18.

Brannin, Richard S., East Williston, P. Halpert, Hempstead, and G. F. Jude, Richmond Hill, N. Y., assignors to The Sperry Corporation. Automatic pilot for aircraft. 2,567,922, Sept. 18.

Bridgeport Tool and Die Company, Incorporated, The, assignee: *See*—
George, Stephen.

Briscoe, James M.: *See*—
Green, David F., Mallet, and Briscoe.

Briskin, Jack, and C. Peto, assignors to Revere Camera Company, Chicago, Ill. Film stabilizer for sound motion-picture projectors. 2,568,539, Sept. 18.

Brown, Charles I., Jr., Floral Park, N. Y. Mounting bracket. 2,568,609, Sept. 18.

Brown, Lemual G., Oklahoma City, Okla. Metal shutter. 2,568,215, Sept. 18.

Brown, William E., assignor to Perfection Packaging, Shelburn, Ind. Swim goggles. 2,568,316, Sept. 18.

Browne, Thomas E., Jr., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,568,381, Sept. 18.

Bruce, William F., Haverton, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Substituted glycinamides. 2,568,141, Sept. 18.

Bruce, William F., Haverton, and J. Seifter, Willow Grove, assignors to Wyeth Incorporated, Philadelphia, Pa. Aryl-glycinedialkylamides. 2,568,142, Sept. 18.

Bruck, Henri, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Voltage divider for variable magnification electron microscopes. 2,568,112, Sept. 18.

Bryan, Ernest A., Bexley, assignor to Siemens Brothers & Company Limited, London, England. Rotary selective switch. 2,568,050, Sept. 18.

Buckeye Steel Castings Company, The, assignee: *See*—
Wolfe, Harry H.

Buckley, Charles W., and E. P. Bailey, assignors to Wright Machinery Company, Durham, N. C. Method and apparatus for making containers. 2,568,382, Sept. 18.

Bump, Monroe J., Parma, Ohio. Dental sponge applicator. 2,568,317, Sept. 18.

Bumpus, Edward E., Oklahoma City, Okla. Machine for removing paint. 2,568,183, Sept. 18.

Burke, Edward, Brooklyn, N. Y. Prehensile pipe-cleaning swab. 2,567,923, Sept. 18.

Burnam, Thompson W., Whittier, and G. D. Ramsay, San Marino, assignors to Fog Nossle Company, Los Angeles, Calif. Distributor head. 2,568,429, Sept. 18.

Burnham, Harry C., trustee, assignee: *See*—
Burnham, Harry C., and Bus.

Burnham, Harry C., and A. Bus, Grand Rapids, Mich., assignors, by mesne assignments, to H. C. Burnham, trustee. Folding chair. 2,568,269, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making dipentene and vinylcyclohexene resin. 2,567,916, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making beta-pinene, rearranged alpha-pinene, and vinyl cyclohexene resin. 2,567,917, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Alpha-pinene and vinyl cyclohexene resin. 2,567,918, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making beta-pinene and vinyl cyclohexene resin. 2,567,919, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making resins of turpentines and vinyl cyclohexene. 2,568,216, Sept. 18.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Making camphene and vinyl cyclohexene resin. 2,568,217, Sept. 18.

Bus, Andre: *See*—
Burnham, Harry C., and Bus.

Bush, Edward R., Lemont, Ill., and J. E. Hanle, Westfield, N. J., assignors to Interchemical Corporation, New York, N. Y. Wood filler composition. 2,567,924, Sept. 18.

Butkiewicz, F., and Sons Company, assignee: *See*—
Butkiewicz, George F.

Butkiewicz, George F., assignor to F. Butkiewicz and Sons Company, Omro, Wis. Ignition timing control. 2,568,270, Sept. 18.

Cage, John M., Montclair, assignor to Cage Projects, Inc., Union City, N. J. Power supply. 2,568,484, Sept. 18.

Cage, John M., Montclair, assignor to Cage Projects, Inc., Union City, N. J. Power supply for image reproducing tubes. 2,568,485, Sept. 18.

Cage, John M., Montclair, assignor to Cage Projects, Inc., Union City, N. J. High-voltage power supply. 2,568,486, Sept. 18.

Cage Projects, Inc., assignee: *See*—
Cage, John M.

Caldwell, Walter B.: *See*—
Koppel, Ernst R., and Caldwell.

Cali-Quilt Furniture Mfg. Co., assignee: *See*—
Weiss, Nathan M.

Campagna, Salvatore A. and V. J., San Jose, Calif. Adapter saddle for vehicle hoist. 2,568,271, Sept. 18.

Campagna, Salvatore A. and V. J., San Jose, Calif. Adapter saddle for vehicle hoist. 2,568,272, Sept. 18.

Campagna, Vincent J.: *See*—
Campagna, Salvatore A. and V. J.

Campbell, Thomas J., San Francisco, Calif. Mop clamp with lockable spring bar. 2,568,218, Sept. 18.

Canadian Refractories Limited, assignee: *See*—
Lathe, Frank E.

Canvas Products Company of Kansas City, assignee: *See*—
Eshnaur, Vance D.

Carlson, Gustav F., Chicago, Ill. Selector device for automatic typewriters. 2,568,113, Sept. 18.

Carmody, Don R.: *See*—
Sharp, Lorid G., and Carmody.

Carroll, John D., Kensington, assignor to The Stanley Works, New Britain, Conn. Door latch unit. 2,568,383, Sept. 18.

Carswell, Allan B., Ottawa, Ontario, Canada. Multiple tube radiator forced circulation air heating furnace. 2,568,487, Sept. 18.

Casablanca, John, assignor of one-half to J. Fisher, New York, N. Y. Automobile hubcap cover. 2,568,430, Sept. 18.

Casper, Edward J., Bronx, N. Y. Spirit level. 2,568,143, Sept. 18.

Cataldo, John B.: *See*—
O'Brien, Joseph F., Cataldo, and Vroom.

Cathcart, John A.: *See*—
Kenyon, William O., and Cathcart.

Catranis, John G., Syracuse, N. Y. Artificial leg (thigh muscle knee lock control). 2,568,051, Sept. 18.

Catranis, John G., Syracuse, N. Y. Control valve. 2,568,052, Sept. 18.

Catranis, John G., Syracuse, N. Y. Knee lock mechanism for artificial legs. 2,568,053. Sept. 18.

Celanese Corporation of America, assignee: *See*—
MacLean, Alexander F., and Heins.

Central Commercial Company, assignee: *See*—
Larsen, Merwin J., and Erickson.

Centre d'Etudes M. B. A. (Mecanique, Ballistique, Armement), assignee: *See*—
Gourdon, Robert.

Chambers, Barney A., Milam, Tex. Post setter. 2,568,540, Sept. 18.

Champion Paper and Fibre Company, The, assignee: *See*—
Montgomery, William J.

Chance, A. B., Company, assignee: *See*—
Hubbard, David C.

Chappell, Lewis L., Chicago, Ill. Switch contact assembly. 2,568,610, Sept. 18.

Charest, Theodore W., East Hartford, assignor to The Adjusto Sales Corporation, Hartford, Conn. Safety valve. 2,568,219, Sept. 18.

Cheek, Millard F., assignor to V. W. Cheek, Liberty, Mo. Ladder leg extension. 2,567,989, Sept. 18.

Cheek, V. W., assignee: *See*—
Cheek, Millard F.

Cheronis, Nicholas D., Chicago, Ill. Stable solution. 2,568,384, Sept. 18.

Chester, Frank R., Santa Monica, Calif. Drive mechanism for egg beaters. 2,568,318, Sept. 18.

Chicago Bridge & Iron Company, assignee: *See*—
Allen, John W.
Mummert, John F.

Chiplets Incorporated, assignee: *See*—
Redmond, Benjamin.

Christensen, Orland M., Cambridge, Mass., assignor, by mesne asignments, to the United States of America as represented by the Secretary of the Navy. Electronic frequency divider apparatus employing delay circuits. 2,568,319, Sept. 18.

Christopher, Benjamin H., Jr., Baltimore, Md. Dual master cylinder for hydraulic automobile brakes. 2,568,220, Sept. 18.

Cincinnati Industries, Inc., assignee: *See*—
Rowe, William W.

Clapp, Jerome B., North Plainfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Suspended crimping tool. 2,568,054, Sept. 18.

Clark, Joel B., assignor to The Auto Appliance Patents Co., Youngstown, Ohio. Filter element. 2,568,184, Sept. 18.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Impeller and detergent dispenser. 2,568,185, Sept. 18.

Clark, Ralph C., assignor to R. E. Clark, Willowbrook, Calif. Door lock. 2,568,273, Sept. 18.

Clark, Ray E., assignee: *See*—
Clark, Ralph C.

Clark, Ray E., Willowbrook, Calif. Making bowling pins. 2,568,274, Sept. 18.

Clark, William A., assignor to L. A. Young Spring & Wire Company, Detroit, Mich. Cushion assembly with auxiliary reinforcing spring. 2,568,055, Sept. 18.

Cleeton, Claud E.: *See*—
Krause, Ernst H., and Cleeton.

Cleveland Hobbing Machine Company, The, assignee: *See*—
Staples, Otis E.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Co., Cleveland, Ohio. Fluid-operated pump system with parallel tubing. 2,568,320, Sept. 18.

Cohen, Irving: *See*—
Frankel, Ben J., and Cohen.

Colbeth, Ivor M., Maplewood, assignor to The Baker Castor Oil Company, Jersey City, N. J. Continuous dehydration process. 2,567,925, Sept. 18.

Coleman, Gerald H., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Aldehyde-amines and preparation thereof. 2,568,579, Sept. 18.

Coleman, Gerald H., Freeland, assignor to The Dow Chemical Company, Midland, Mich. Condensation products of 4-aminoantipyrine and the chloroethoxy benzaldehydes. 2,568,580, Sept. 18.

Coleman, Melvin B., Sr., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Method and apparatus for removing yarn from yarn packages. 2,567,990, Sept. 18.

Collins, Ralph D., assignee: *See*—
Koehler, Robert L., and Miller.

Colonial Broach Company, assignee: *See*—
Welte, Benedict.

Comello, William, St. Joseph, Mo. Live bait bucket. 2,568,221, Sept. 18.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Lewis, Elisha B.
Stauffer, William R.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Bruck, Henri.
Hugon, Jean J.

Cone, Truett M., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex. Compound drive. 2,568,385, Sept. 18.

Congdon, Ernest, Upper Darby, Pa. Winding device. 2,568,431, Sept. 18.

Cook, Ivan R., Oregon City, Oreg. Electric air gun. 2,568,432, Sept. 18.

Coote, Harry E.: *See*—
Von Fraunhofer, Hans, and Coote.

Corder, Ishmael W., assignor to Thomson Tool Company, Iowa Park, Tex. Bearing seal. 2,568,056, Sept. 18.

Cornelius, Richard T., Minneapolis, Minn. Dispensing device for carbonated beverages. 2,568,114, Sept. 18.

Cornell, Herman, administrator: *See*—
Spinasse, Arthur E., and Pumphrey.

Cornman, Guy L. and G. L., Jr., Gladwyn, and G. W. Vernon, Conshohocken, Pa.; said G. L. Cornman, Jr., and said G. W. Vernon, assignors to said G. L. Cornman. Apparatus for stringing tag blanks. 2,567,991, Sept. 18.

Cornman, Guy L., Jr.: *See*—
Cornman, Guy L. and G. L., Jr., and Vernon.

Cosby, James R.: *See*—
Sturm, Ralph E., and Cosby.

Coscia, Joseph F., Waterbury, Conn. Wick type removable oil burner. 2,568,321, Sept. 18.

Cosmos Dental Products, Inc., assignee: *See*—
Taylor, Philander B.

Cox, George R., and K. M. Hammel, Detroit, Mich., assignors to Eureka Williams Corporation. Garbage grinder. 2,567,992, Sept. 18.

Cotter Manufacturing Co., Inc., assignee: *See*—
Cotter, William A.

Cotter, William A., assignor to Cotter Manufacturing Co., Inc., New York, N. Y. Atomizer with means for concealing plungers and nozzles. 2,568,057, Sept. 18.

Couillard, John B.: *See*—
Torsch, Charles E., and Couillard.

Craigie, Samuel W., Chelmsford, assignor to Aviation Developments Limited, Welwyn Garden City, England. Clamping device. 2,568,386, Sept. 18.

Crain, Robert L., assignor to Gray Tool Company, Houston, Tex. Casing hanger assembly. 2,568,581, Sept. 18.

Crawford, Francis W., Bartlesville, Okla., and J. S. Kirby-Smith, Oak Ridge, Tenn., assignors to Phillips Petroleum Comapny. Apparatus for producing waves in fluid media. 2,568,186, Sept. 18.

Crecca, John D., Elizabeth and W. E. Palmer, Cresskill, N. J. Portable end welding device. 2,568,222, Sept. 18.

Cremer, Frederick, and H. F. Unick, assignors to Union Asbestos & Rubber Company, Chicago, Ill. Felted material and making the same. 2,568,144, Sept. 18.

Crest Silver Mfg. Co. Inc., assignee: *See*—
Shatkin, Sidney.

Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P.
Blanchard, William A.
Kronoff, Clarence R.

Crouse, William W., Carmel, assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind. Coating method and apparatus. 2,568,611, Sept. 18.

Cullen, Ernest E., San Diego, assignor of one-half to J. S. Gregg, Laguna, and one-fourth to R. J. Wood, San Diego, Calif. Combination container opener. 2,568,612, Sept. 18.

Cummins, George A., San Francisco, Calif. Variable length fish lure. 2,568,488, Sept. 18.

Cunningham, Mary L., administratrix: *See*—
Cunningham, Wesley W.

Cunningham, Wesley W., deceased, Aulsa, Okla.; M. L. Cunningham administratrix of said W. W. Cunningham. Infant's toilet seat. 2,568,322, Sept. 18.

Cushman Chuck Company, The, assignee: *See*—
Sloan, Harry E., and Highberg.

Custom Upholstering and Carpet Company, Inc., assignee: *See*—
Eldridge, Lee M.

Czechoslovak Metal & Engineering Works, National Corporation, assignee: *See*—
Zajic, Vladislav.

Dahlstrand, Josef Y. and J. Y., Jr., Indianapolis, Ind. Power transmission unit. 2,568,275, Sept. 18.

Dahlstrand, Josef Y., Jr.: *See*—
Dahlstrand, Josef Y. and J. Y., Jr.

Daisy Manufacturing Company, assignee: *See*—
Wells, William S.

Dales, George F., assignor of forty-nine per cent to A. R. Wells, Akron, Ohio. Electric control switch. 2,568,323, Sept. 18.

Daly, Thomas A., and P. M. Hogue, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Propulsion assembly for torpedoes. 2,568,433, Sept. 18.

Daso, Adriano, Arroyo Grande, Calif. Stake driver. 2,568,613, Sept. 18.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,568,058, Sept. 18.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbed bolster truck. 2,568,059, Sept. 18.

Davis, James E.: *See*—
Weidlich, William A., and Davis.

De Baufre, William L., Lincoln, Nebr. Process and apparatus for extracting oxygen from atmospheric air. 2,568,223, Sept. 18.

Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,568,115, Sept. 18.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,568,116, Sept. 18.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,568,117, Sept. 18.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of phenolisanic acid-formaldehyde resins. 2,568,118, Sept. 18.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Phenolic resins containing isanic acid. 2,568,119, Sept. 18.

De Lancey, Ralph W., Meriden, Conn. Closure device. 2,568,187, Sept. 18.

De Lancey, Warren H., assignor to Atlantic Development Company, Inc., Springfield, Mass. Heating apparatus. 2,568,120, Sept. 18.

Dellinger, John, Batavia, N. Y. Glazing nail. 2,568,145, Sept. 18.

De Loss, Alphonse R., assignee: *See*—
De Loss, John O.

De Loss, John O., assignor of one-third to M. J., and one-third to A. R. De Loss, Meadville, Pa. Machine for making core boxes. 2,568,187, Sept. 18.

De Loss, Michael J., assignee: *See*—
De Loss, John O.

Den Dulk, Arie, Sr., assignor to H. den Dulk, Ripon, Calif. Window shutter. 2,568,324, Sept. 18.

Den Dulk, Herbert, assignee: *See*—
Den Dulk, Arie, Sr.

Derr, Carl G.: *See*—
Gilbert, Lemuel M., and Derr.

Development Corporation of America, assignee: *See*—
Purcell, Lee J.

Dewas, Raymond, Amiens, France. Weft inserting device. 2,567,993, Sept. 18.

Diamond, Hymen, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ultra high frequency generator. 2,568,325, Sept. 18.

Didde, Carl W., and D. A. Glaser, Emporia, Kans. Paper gathering machine. 2,568,224, Sept. 18.

Diggins, Harte H., Woodstock, Ill. Annular radiating drum air heating furnace. 2,568,388, Sept. 18.

Doman, John P., assignor to V. P. Doman, Los Angeles, Calif. Door hinge. 2,568,225, Sept. 18.

Doman, Victor P., assignee: *See*—
Doman, John P.

Dorr Company, The, assignee: *See*—
Scott, Charles H.

Dow Chemical Company, The, assignee: *See*—
Bennett, Foster C.
Coleman, Gerald H.
Graves, Eldon F.
Robinson, Harold A.

Dow Corning Corporation, assignee: *See*—
Warrick, Earl L.

Downey, Reginald L., Syracuse, N. Y., assignor to General Electric Company. Thermal compensation system. 2,568,435, Sept. 18.

Downs, Cecil M., Ventura, Calif. Accessory drill for type casting machines. 2,567,994, Sept. 18.

Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Pressure responsive device. 2,568,226, Sept. 18.

Dresser Equipment Co., assignee: *See*—
Coberly, Clarence J.

Drews, Gustav, assignee: *See*—
Hansen, James R.

Dubois, Ernest, La Chaux de Fonds, Switzerland. Compensating hairspring. 2,568,326, Sept. 18.

Dudley, Leslie P. C. J., Twickenham, England. Stereoscopic photography and kinematography. 2,568,327, Sept. 18.

Duesbury, William H., and C. Atkins, assignors to Rolls-Royce Limited, Derby, England. Making investment mold. 2,568,364, Sept. 18.

Duggan, Joseph J., Wollaston, assignor of one-third to D. S. Blank, and one-third to D. J. Banks, Quincy, Mass. Machine for skinning fish fillets. 2,568,489, Sept. 18.

Duke, Vernon J., Rockville Centre, N. Y., assignor to Radio Corporation of America. Television signal mixing circuit. 2,568,541, Sept. 18.

Dumble, William H., Bakersfield, Calif. Jar shoulder knuckle joint. 2,568,060, Sept. 18.

Dunasky, Joseph E., Cleveland, Ohio. Storage pile material handling apparatus. 2,568,434, Sept. 18.

Dunham, Edward W., and W. A. Wiegert, Floral Park, N. Y. Mounting wall and ceiling paneling. 2,568,490, Sept. 18.

Dunkelberger, Milton S., Dayton, Ohio. Tubular supporting member. 2,567,926, Sept. 18.

Du Rietz, Harold: *See*—
Karrer, Friedrich W. J., and Du Rietz.

Eagle Rubber Co., Inc., assignee: *See*—
Morris, Harold B.

Eagle Rubber Company, Inc., assignee: *See*—
Morris, Harold B.

Eash, John T.: *See*—
Lee, Gerald L., and Eash.

Eash, John T., Westfield, and G. L. Lee, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Graphitic nickel tin alloy and making same. 2,568,014, Sept. 18.

Eastman Kodak Company, assignee: *See*—
Kenyon, William O., and Cathcart.

Easy Washing Machine Corporation, assignee: *See*—
Scheele, Charles C.

Edwards, Lorin G., Woodlake, Calif. Sausage-core forming machine. 2,568,491, Sept. 18.

Eggleston, Forest D., St. Louis, Mo. Wall shield for cooking stoves. 2,568,276, Sept. 18.

Ehret, Yale W.: *See*—
Hagerty, Andrew T., and Ehret.

Ekco Products Company, assignee: *See*—
Zumski, Edward.

Elastic Stop Nut Corporation of America, assignee: *See*—
Hallock, Robert L.

Elby, Joseph, Los Angeles, Calif. Nail polish applicator. 2,568,328 Sept. 18.

Eldridge, Lee M., Dundalk, assignor to Custom Upholstering and Carpet Company, Inc., Baltimore, Md. Furniture construction. 2,568,329, Sept. 18.

Electro-Hydraulics Limited, assignee: *See*—
Perdue, Jack, and Hackney.

Elliot, David, New York, N. Y. Inflatable globe and support therefor. 2,568,389, Sept. 18.

Eltgroth, George V., Towson, Md., assignor to Bendix Aviation Corporation, New York, N. Y. Fluid testing apparatus. 2,568,277, Sept. 18.

Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Aliphatic orthoformic esters. 2,567,927, Sept. 18.

Erickson, Norman B.: *See*—
Larsen, Merwin J., and Erickson.

Eshnaur, Vance D., assignor to Canvas Products Company of Kansas City, Kansas City, Mo. Loading dock cover. 2,567,995, Sept. 18.

Eureka Williams Corporation, assignee: *See*—
Coss, George R., and Hammell.

Evans Case Co., assignee: *See*—
Reilly, Alfred F., and Gengenbach.

Evans, Quentin J., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Rotary shaft driven tappet. 2,568,061, Sept. 18.

Exact Weight Scale Company, The, assignee: *See*—
Schieser, Warren J., and Kelley.

Faria, Louis, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Bottle carrier. 2,568,436, Sept. 18.

Farmer, Edward B., Waban, Mass. Cold cathode timer. 2,567,928, Sept. 18.

Farrar, Alvin J., assignor to Republic Steel Corporation, Cleveland, Ohio. Pallet construction. 2,568,582, Sept. 18.

Favot, Charles J., Steubenville, Ohio. Electrical warm air recirculating room heater. 2,568,278, Sept. 18.

Federbush, Max W., New York, N. Y. Loose-leaf binder. 2,568,227, Sept. 18.

Fessenden, George R., Washington, D. C. Preserving plant tissues. 2,567,929, Sept. 18.

Feyrer, William F., and N. L. Solomon, Englewood, N. J., assignors to Solo Products Corporation. Hair curler. 2,568,146, Sept. 18.

Fields, George, Wilmette, assignor to Admiral Corporation, Chicago, Ill. Clothes-washing machine with a horizontally reciprocating agitator. 2,568,614, Sept. 18.

Findley, Thomas W., and D. Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of epoxy compounds by oxidation of cis-monoolefine compounds. 2,567,930, Sept. 18.

Finholt, Albert E.: *See*—
Schlesinger, Hermann I., and Finholt.

Fischer, Frank N., Whiting, Ind., and J. B. Kuzel, Calument City, Ill. Valve stopper. 2,568,615, Sept. 18.

Fisher, John, assignee: *See*—
Casabianca, John.

Fisher, John R., Jr., assignor to Industrial Metal Protectives, Inc., Dayton, Ohio. Liquid coating composition. 2,568,188, Sept. 18.

Fisher, John R., Jr., assignor to Industrial Metal Protectives, Inc., Dayton, Ohio. Liquid coating composition. 2,568,189, Sept. 18.

Fitch, Dudley R., Ransomville, N. Y. Chain saw grinding machine. 2,568,062, Sept. 18.

Flippin, Thomas J., Portland, Oreg. Extensible ramp for ships. 2,568,330, Sept. 18.

Floor-O-Matic, Inc., assignee: *See*—
Young, Marshall B.

Fog Nozzle Company, assignee: *See*—
Burnam, Thompson W., and Ramsay.

Folkins, Hillis O., Skokie, C. A. Porter, Crystal Lake, E. Miller, and H. Hennig, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Preparation of carbon disulfide. 2,568,121, Sept. 18.

Food Machinery and Chemical Corporation, assignee: *See*—
Porter, Glenn M.

Forse, Harry D., Anderson, Ind. Two stage fluid pressure cylinder. 2,568,228, Sept. 18.

Foss, Freeman C., Twin Falls, Idaho. Hydraulic screw jack. 2,568,437, Sept. 18.

Foster, Edwin E., Austin, Tex. Sash balance. 2,567,931, Sept. 18.

Foundry Equipment Limited, assignee: *See*—
Beech, Austin S.

Fram Corporation, assignee: *See*—
Kennedy, Walter V.
Zimmerman, Robert M., and Kennedy.

Frankle, Ben J. and I. Cohen, New York, N. Y. Bell and making same. 2,568,190, Sept. 18.

Franz, Arvel O., and L. E. Walkup, Alton, assignors to Olin Industries, Inc., East Alton, Ill. Luminescent target. 2,568,279, Sept. 18.

Fraser Products Company, assignee: *See*—
Johnson, James H.

Freberg, Rudolph C.: *See*—
Pottberg, Fred H., and Freberg.

Freeth, Charles J., deceased, Pittsburgh, Pa., M. Freeth, executrix of said C. J. Freeth, assignor to M. Freeth. Awning. 2,568,079, Sept. 18.

Freeth, Margaret, executrix, assignee: *See*—
Freeth, Charles J.

French Oil Mill Machinery Company, The, assignee: *See*—
Stacy, Thomas F.

Fried, John B., assignee: *See*—
Jones, Herbert S.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Shear mechanism for headers. 2,568,438, Sept. 18.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Method and apparatus for making screws and the like. 2,568,439, Sept. 18.

Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Composite die for nut machines. 2,568,440, Sept. 18.

Friestedt, Arthur A., Chicago, Ill. Nonskid tire. 2,568,342, Sept. 18.

Friiette, Vincent J., New York, N. Y. Copolymerization of styrene and unsaturated polyester. 2,568,331, Sept. 18.

Frobe, Paul, assignee: *See*—
McDonald, Donald.

Frost, Raymond B., Bernardsville, N. J., assignor to Victaulic Company of America, New York, N. Y. Pipe parting tool. 2,568,280, Sept. 18.

Frowe, Eugene W., assignor to Robert H. Ray Co., Houston, Tex. Underwater prospecting device. 2,568,680, Sept. 18.

Fulton, Louis E., Houston, Tex. Wall mounted shelf structure. 2,568,147, Sept. 18.

Fyler, George W., Stratford, Conn., assignor to General Electric Company. Extended range radio detection and ranging system. 2,568,441, Sept. 18.

Gaffney, James F., Steelton, Pa. Radio support for repair operations. 2,567,996, Sept. 18.

Gale, Shirley I.: *See*—
Hill, Alfred G., and Gale.

Gallagher, William P., and P. G. Bielik, assignors to International Register Company, Chicago, Ill. Interval timer. 2,568,122, Sept. 18.

Gallick, Michael S., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Adjustable nozzle. 2,568,492, Sept. 18.

Garbo, Paul W., Freeport, and E. W. Riblett, Tenafly, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y. Stagewise process for the hydrogenation of carbon monoxide. 2,567,932, Sept. 18.

Gardes, Alfred W., assignor to McCord Corporation, Detroit, Mich. Expended clip cartridge chute for machine guns. 2,568,229, Sept. 18.

Gardner Board and Carton Co., The, assignee: *See*—
Ringler, William A.

Garrison, James O., assignor to Garrison Machine Works, Inc., Dayton, Ohio. Thermotest cabinet. 2,568,493, Sept. 18.

Garrison Machine Works, Inc., assignee: *See*—
Garrison, James O.

Gehrke, Fred C., Amityville, N. Y. Aligning tool. 2,568,390, Sept. 18.

Geiselman, Ralph A., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,568,391, Sept. 18.

Geissbuhler, John O., South Euclid, Ohio, assignor to General Electric Company. Vehicle head lamp. 2,568,494, Sept. 18.

General Aniline & Film Corporation, assignee: *See*—
Gallick, Michael S.
Jacobson, Carl H.

General Electric Company, assignee: *See*—
Barkis, Charles E.
Downey, Reginald L.
Fyler, George W.
Geissbuhler, John O.
Gurewitsch, Anatole M.
Hansen, Siegfried.
Kizaur, Arthur J.
Malheiros, Luiz G.
Noel, Edward B.
Nolte, Henry J.
Rogers, George L.
Scott, Benjamin B.
Titus, Charles H.
Torsch, Charles E., and Coullard.

General Instrument Corporation, assignee: *See*—
Hall, John S.

General Motors Corporation, assignee: *See*—
Clark, Kendall.
McCormick, Francis H.
McShurley, Marshall D.
Nichols, Charles A., Poole, Mahoney, and McShurley.

General Outdoor Advertising Co., Inc., assignee: *See*—
Oberding, Nicholas.

Gengenbach, Fritz: *See*—
Reilly, Alfred F., and Gengenbach.

Genovese, Anthony, Baltimore, assignor to The National Plastic Products Company, Odenton, Md. Device controlling flow of material into a hopper, responsive to material level in said hopper. 2,568,332, Sept. 18.

George, Stephen, Fairfield, assignor to The Bridgeport Tool and Die Company, Incorporated, Bridgeport, Conn. Metal spool. 2,568,442, Sept. 18.

Gerner, Willi, Katzwang, and G. Kraetsch, Bartenbach, Germany. Bicycle pedal. 2,568,443, Sept. 18.

Gilbert, Lemuel M., Oaklyn, N. J., and C. G. Derr, Philadelphia, Pa. Abrasive salvaging apparatus. 2,568,063, Sept. 18.

Gilbert, Walter J., Sr., Indiana, assignor to Syntron Company, Homer City, Pa. Periscope seal. 2,568,392, Sept. 18.

Giuliano, Joseph G., Detroit, Mich. Beverage faucet. 2,568,444, Sept. 18.

Glaser, Donald A.: *See*—
Didde, Carl W., and Glaser.

Gluhareff, Michael E., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor blade retention of a bolted and cemented construction. 2,568,230, Sept. 18.

Goldberg, Herman M., assignor to Standard Refrigeration Company, Inc., Chicago, Ill. Pressure reducing device for refrigerating apparatus. 2,568,123, Sept. 18.

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Automatic registration of component color images. 2,568,543, Sept. 18.

Goldsmith, Allen L., Adrian, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Shelf. 2,568,148, Sept. 18.

Goldsmith, Joseph, assignor to Raytheon Manufacturing Company, Newton, Mass. Coaxial line stub support. 2,568,281, Sept. 18.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,568,064, Sept. 18.

Goodrich, B. F., Company, The, assignee: *See*—
Baumgartner, Luther L.
Bralley, James A.
Gregory, James T.
Gresham, Thomas L., and Shaver.
Gresham, Thomas L., and Steadman.
Jansen, Jacob E.
Jansen, Jacob E., and Beears.
Japs, Archie B.
McCool, John C.
Parrish, Charles I.
Pope, Frank B.
Powell, Jeaton H., Jr.
Staache, Charles W.
Staden, John H., and Baumgartner.
Stewart, William D.
Tothesoh, Charles F.

Goodwin, George R., Attleboro, Mass., assignor to Miller Electric Company. Manufacture of festoons. 2,568,495. Sept. 18.

Goss, William M., Jr., assignee: *See*—
Roy, Waldron H.

Gourdon, Robert, assignor to Centre d'Etudes M. B. A. (Mecanique, Ballistique, Armement), Paris, France. Differential actuating mechanism for calculating machines. 2,568,616, Sept. 18.

Gourdon, Robert, assignor to Centre d'Etudes M. B. A. (Mecanique, Ballistique, Armement), Paris, France. Detachable denominationally composite keyboard and differential actuator units. 2,568,617, Sept. 18.

Gourdon, Robert, assignor to Societe anonyme dite Centre d'Etudes M. B. A. (Mecanique, Ballistique, Armement), Paris, France. Indicating means for accounting machines. 2,568,618, Sept. 18.

Grabe, Clarence G., assignor to National Valve & Manufacturing Company, Pittsburgh, Pa. Line pipe hanger. 2,568,149, Sept. 18.

Graham, Frank H., Pittstown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Balancing network for subscribers' telephone sets. 2,568,150, Sept. 18.

Granberg, Albert J., Oakland, Calif. Proportioner. 2,567,997, Sept. 18.

Grattan, Peter J., Minneapolis, Minn. Piston operated draft hitch for vehicles. 2,568,445, Sept. 18.

Grauel, Ernest H., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Retaining ring for instrument case glasses. 2,568,124, Sept. 18.

Graves, Eldon F., assignor to The Dow Chemical Company, Midland, Mich. Separating impurities from used lubricating oils. 2,658,583, Sept. 18.

Gray, Orrin D., Chicago, Ill. Lock Nut. 2,567,933, Sept. 18.

Gray Tool Company, assignee: *See*—
Crain, Robert L.

Green, David F., N. P. Mallet, and J. M. Briscoe, assignors to Vandervell Products Limited, London, England. Electrodepositing an alloy of lead and indium. 2,567,924, Sept. 18.

Greenfogel, William L., assignee: *See*—
Rosen, Joseph.

Gregg, Jane S., assignee: *See*—
Cullen, Ernest E.

Gregory, James T., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-hydroxy monocarboxylic acid esters. 2,568,619, Sept. 18.

Gresham, Thomas L., and T. R. Steadman, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Substituted triazines. 2,568,620, Sept. 18.

Gresham, Thomas L., and F. W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparing n-aryl substituted beta-amino carboxylic acids. 2,568,621, Sept. 18.

Griffin, Ira L., Charlotte, N. C. Intermittently treating sized yarn. 2,568,446, Sept. 18.

Griffith, Ernest H., Jal, N. Mex., assignor to Marvel Oil Treater, Inc., Device for treating oil for the separation of water. 2,567,998, Sept. 18.

Grimm, Ralph C., Cedar Rapids, Iowa. Adjustable alignment platform for X-ray tables. 2,568,191, Sept. 18.

Grossman, Harry C., Baltimore, Md. Vehicle spring holding device. 2,568,231, Sept. 18.

Gnastavino, Juan M., Buenos Aires, Argentina. Making a detergent composition. 2,567,999, Sept. 18.

Gulbrandsen, Helge, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Pad box. 2,567,065, Sept. 18.

Gulf Research & Development Company, assignee: *See*—
Pigott, Reginald J. S.
Trautman, Charles E.

Gunn, Claude M., Kansas City, Mo. Sound recording and reproducing apparatus. 2,568,000, Sept. 18.

Gurewitsch, Anatole M., Schenectady, N. Y., assignor to General Electric Company. Phonograph tone arm. 2,568,447, Sept. 18.

Gutsch, John, Chicago, Ill. Truss. 2,568,282, Sept. 18.

H. & L. Tooth Company, assignee: *See*—
Launder, Ernie L.

H-P-M Development Corporation, assignee: *See*—
Purcell, Howard M.
Tucker, Warren R.

Hachenburg, Friedrich: *See*—
Henschker, Erhard, and Hachenburg.

Hackmann, Johannes T.: *See*—
Overhoff, Johan, and Hackmann.

Hackney, Stanley: *See*—
Perdue, Jack, and Hackney.

Hagan, Robert E., Youngstown, Ohio. Collapsible picnic table and bench assembly. 2,568,622, Sept. 18.

Hagerty, Andrew T., and Y. W. Ehret, Elkhart, Ind., assignors to The Adlake Company. Ash receiver. 2,568,151, Sept. 18.

Häggmark, Bror A., Solna, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Household appliance. 2,568,066, Sept. 18.

Hall, John S., Cranford, assignor to General Instrument Corporation, Elizabeth, N. J. Velocity trip for automatic phonographs. 2,568,496, Sept. 18.

Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J. Self-locking nail. 2,567,935, Sept. 18.

Halpert, Percy: *See*—
Brannin, Richard S., Halpert, and Jude.

Hamer, Leland S., Long Beach, Calif. Union type coupling for pipes or the like. 2,568,232, Sept. 18.

Hamilton, Burton C., Brookline, Mass. Adjustable clamping and spreading fixture. 2,568,233, Sept. 18.

Hamm, Homer A., Chicago, Ill. Absorbent glass container. 2,568,623, Sept. 18.

Hammell, Kemper M.: *See*—
Coss, George R., and Hammell.

Hanle, John E.: *See*—
Bush, Edward R., and Hanle.

Hanna, Clinton R.: *See*—
Lynn, Lawrence B., and Hanna.

Hansen, James R., Bremerton, Wash., assignor of one-half to G. Drews, Garden City, N. Y. Dividing head. 2,567,936, Sept. 18.

Hansen, Siegfried, Los Angeles, Calif. assignor to General Electric Company. Parallax correction in color television. 2,568,448, Sept. 18.

Hansen, Siegfried, Los Angeles, Calif., assignor to General Electric Company. Electronic counter. 2,568,449, Sept. 18.

Hanson, Victor G., Lynbrook, N. Y., assignor to International Cigar Machinery Company. Wrapper transfer. 2,568,067, Sept. 18.

Hanson, Walter J., Port Chester, N. Y., and A. G. Russell, assignors to Pitney-Bowes, Inc., Stamford, Conn. Postage printing die protection means. 2,568,624, Sept. 28.

Harpman, Webster B., Youngstown, Ohio. Magnetized grounding electrode. 2,568,068, Sept. 18.

Harpster, Tom L., Houston, Tex. Low bed trailer unit. 2,568,283, Sept. 18.

Harris, Paul J., assignor to Rite-Hite Corporation, Portland, Oreg. Bracket for Venetian blinds. 2,568,001, Sept. 18.

Harrison, John K. M., Gainesville, Va. Bevel cutting device. 2,568,284, Sept. 18.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Power-operated carriage return mechanism for typewriting and like machines. 2,567,937, Sept. 18.

Hart, Henry J., and W. H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y. Cover controlled safety switch mechanism for power operated typewriters or like machines. 2,568,002, Sept. 18.

Hartman, Richard A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,568,584, Sept. 18.

Hartmann, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Switch choke coil. 2,568,003, Sept. 18.

Harvey, Wilfred G., Leominster, Mass. Package for novelty items. 2,568,625, Sept. 18.

Haufrect, Fred, assignor of twenty per cent to R. Tashnek, Houston, Tex. Episiotomy scissors. 2,568,234, Sept. 18.

Hayward, Arthur S.: *See*—
Scott, Richard H., and Hayward.

Head, Henry O., Sherman, Tex. Shirt incorporating waterproof protector. 2,568,544, Sept. 18.

Heinz, Walter E.: *See*—
MacLean, Alexander F., and Heinz.

Helbig, Hugo, Racine, Wis. Quick-acting vise. 2,568,393, Sept. 18.

Helling, Wilhelm, Gloversville, N. Y. Cuckoo door alarm. 2,568,626, Sept. 18.

Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Carriage retarding device. 2,568,497, Sept. 18.

Hennig, Harvey: *See*—
Folkins, Hillis O., Porter, Miller, and Hennig.

Henry, Albert R., Salina, assignor to Henry Manufacturing Co., Inc., Topeka, Kans. Earth carrying scraper. 2,568,627, Sept. 18.

Henry Manufacturing Co., Inc., assignee: *See*—
Henry, Albert R.

Henschker, Erhard, Parkstone, and F. Hachenburg, assignors to The Loewy Engineering Company Limited, London, England. Rotary flying shears. 2,568,333, Sept. 18.

Hermann, Norman T., Eatontown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Die for use with a punch. 2,568,152, Sept. 18.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. High-voltage direct-current power supply system. 2,568,394, Sept. 18.

Herold, Edward W., Kingston, N. J., assignor to Radio Corporation of America. Controlled wave energy generator. 2,568,395, Sept. 18.

Herr, Theodore Z., Lancaster, Pa., assignor to American Greeting Publishers, Inc., Cleveland, Ohio. Card transfer mechanism. 2,568,069, Sept. 18.

Herring, Raymond L., Pataskala, Ohio. Rotatable tray for motor vehicle luggage compartments. 2,568,628, Sept. 18.

Hess, Carl W., Superior, Wis. Curtain hanging means. 2,568,498, Sept. 18.

Hewitt, Ellis E.: *See*—
May, Harry C., and Hewitt.

Heyman, Moses D., assignor to Integrated Mica Corporation, Woodmere, N. Y. Applying protective coatings of mica to solid surfaces. 2,568,004, Sept. 18.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Flap gumming and folding mechanism for enevelope machines. 2,568,629, Sept. 18.

Hickman, Charles E., Adrian, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Shelf for refrigerators, ovens, storage cabinets, and the like. 2,568,153, Sept. 18.

Highberg, George A.: *See*—
Sloan, Harry E., and Highberg.

Hill, Alfred G., Martinsville, and S. I. Gale, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Crystallization of sodium naphthalene beta sulfonates. 2,568,154, Sept. 18.

Hill, Eugene F., Detroit, C. E. Smith, Allen Park, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Making a synthetic detergent composition. 2,568,334, Sept. 18.

Hill, Helen G., Port Washington, N. Y. Panty. 2,568,545, Sept. 18.

Histed, James E., North Hollywood, Calif. Air draft regulator for oil burners. 2,568,192, Sept. 18.

Hjärpe, Erik G., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Reciprocating pnuematic motor. 2,568,450, Sept. 18.

Hoeft, Frank A., Granton, Wis. Folding bed. 2,568,546, Sept. 18.

Hoellerich, John L., Wilmette, assignor to Admiral Corporation, Chicago, Ill. Tuning knob. 2,568,630, Sept. 18.

Hoellerich, John L., Wilmette, assignor to Admiral Corporation, Chicago, Ill. Focus coil support and control. 2,568,631, Sept. 18.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Pump lubrication for elevating screws. 2,568,335, Sept. 18.

Hoffman, Manfred T., Newburyport, Mass. Apparatus for dry-cleaning and degreasing of fibrous material. 2,567,938, Sept. 18.

Hoffman, Richard D., Minneapolis, Minn. Hook-concealing and releasing fish lure. 2,568,547, Sept. 18.

Hogue, Paul M.: *See*—
Daly, Thomas A., and Hogue.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck (universal gear type). 2,568,585, Sept. 18.

Holbrook, Max A., assignor to Pratt Manufacturing Company, Coldwater, Mich. Coasting sled. 2,568,070, Sept. 18.

Holder, Chester M. and M. C., Ringling, Okla. Drill pipe attachment. 2,568,005, Sept. 18.

Holder, Morgan C.: *See*—
Holder, Chester M., and M. C.

Holmes, Gene C., assignee: *See*—
McGahey, Robert E., Jr.

Holmes, Millan H.: *See*—
McGahey, Robert E., Jr.

Holmes, Verne L., assignee: *See*—
McGahey, Robert E., Jr.

Hood, Ralph S., Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Method and apparatus for applying liquids to textile fibers. 2,568,499, Sept. 18.

Houdaille-Hershey Corporation, assignee: *See*—
Schatzman, George W.

Houdry Process Corporation, assignee: *See*—
Milligan, Winfred O.

Houghton, William D., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cathode-ray tube commutator system. 2,568,336, Sept. 18.

Howard, Giles P. E., and V. Ivanoff, Luton, England. Electric motor pump of the submersible type. 2,568,548, Sept. 18.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Automatic circuit breaker retarding mechanism. 2,568,155, Sept. 18.

Hugh Steeper Limited, assignee: *See*—
Philpott, William J.

Hugon, Jean J., Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil. Detecting the presence of objects by means of electromagnetic waves. 2,567,939, Sept. 18.

Hulman & Company, Inc., assignee: *See*—
Beiley, Irving, and Razee.

Hummel, Frederick E., assignee: *See*—
Barrett, Edward R.

Hunt, Joseph F., Augusta, Ga. Signaling device for spinning frames. 2,568,337, Sept. 18.

Hunt, Walter L., Philadelphia, and W. D. Macgeorge, Havertown, assignors to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Displacement or torque amplifier. 2,568,586, Sept. 18.

Kupper, William H., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Mechanism for varying the tension of normalising springs of typewriters or like machines. 2,567,946, Sept. 18.

Husted, Donald R., St. Paul, and A. H. Ahlbrecht, White Bear Township, Ramsey County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Fluorocarbon aldehydes and their monohydrates. 2,568,500, Sept. 18.

Husted, Donald R., St. Paul, and A. H. Ahlbrecht, White Bear Township, Ramsey County, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Diacyl esters of fluorocarbon aldehydrols. 2,568,501, Sept. 18.

Hutsell, Thomas A., Renton, Wash. Foam controlling dispenser for effervescent liquids. 2,568,632, Sept. 18.

Hydrocarbon Research, Inc., assignee: *See*—
Garbo, Paul W., and Riblett.

Ilische, Arthur, Rye, N. Y. Releasing fouled boat anchors. 2,568,006, Sept. 18.

Industrial Metal Protectives, Inc., assignee: *See*—
Fisher, John R., Jr.

Ingersoll-Rand Company, assignee: *See*—
McClay, Gordon F.

Institute of Paper Chemistry, The, assignee: *See*—
McKee, Robert C.

Integrated Mica Corporation, assignee: *See*—
Heyman, Moses D.

Interchemical Corporation, assignee: *See*—
Bush, Edward R., and Hanle.
Lee, Ernest D., and Schefbauer.
Weidlich, William A., and Davis.

International Cigar Machinery Company, assignee: *See*—
Hanson, Victor G.

International Nickel Company, Inc., The, assignee: *See*—
Eash, John T., and Lee.
Lee, Gerald L., and Eash.
Waddington, Ralph H., and Welblund.

International Register Company, assignee: *See*—
Gallagher, William P., and Bielik.

Irons & Russell Company, assignee: *See*—
Ogden, John W.

Irmischer, Paul H., Chicago, Ill. Riveting device. 2,568,338, Sept. 18.

Ivanoff, Victor: *See*—
Howard, Giles P. E., and Ivanoff.

Jacobs, Gerald, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill. Heater ignition system. 2,568,125, Sept. 18.

Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Film advancing means for film magazines. 2,568,339, Sept. 18.

Jakob, Richard J.: *See*—
Witzky, Julius E., Lang, and Jakob.

James, Ivor J., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Producing and separating nitrogen oxides. 2,568,396, Sept. 18.

Jandasek, Vladimir J., assignor to Bendix Aviation Corporation, Detroit, Mich. Transmission. 2,568,007, Sept. 18.

Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dithiocarbamic acid reaction product. 2,568,633, Sept. 18.

Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of beta-acyloxy carboxylic acids and anhydrides. 2,568,634, Sept. 18.

Jansen, Jacob E., Akron, and W. L. Beears, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Preparing alpha-beta unsaturated carboxylic acids. 2,568,635, Sept. 18.

Jansson, Gustav E., North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. High-voltage air blast circuit breaker having the blast valve arranged at line potential. 2,568,008, Sept. 18.

Japs, Archie B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing anhydrous alpha-beta unsaturated carboxylic acids. 2,568,636, Sept. 18.

Jardini, Joaquim S., Newark, N. J. Frying pan cover. 2,568,637, Sept. 18.

Jefferson Electric Company, assignee: *See*— Maueter, Leopold.

Jefferson, Harold, Stockholm, Sweden, assignor to Radio Corporation of America. Telephone terminal equipment. 2,568,397, Sept. 18.

Jeffrey, Max L., Shaker Heights, assignor to The National Acme Company, Cleveland, Ohio. Positive clutch mechanism. 2,568,638, Sept. 18.

Jennings, Lawrence D., and J. Naymik, Sharon, Pa., assignors, by mesne asignments, to the United States of America as represented by the Secretary of the Navy. Removable closure for deferred action batteries. 2,568,340, Sept. 18.

Jessen, Robert F., Lancaster, S. C., asignor, by mesne assignments, to Saco-Lowell Shops, Boston, Mass. Drafting apparatus. 2,568,502, Sept. 18.

Jobbins, William F., Incorporated, assignee: *See*— Willmore, Charles B.

Johns-Manville Corporation, assignee: *See*— Perry, Walter M.

Johnson, Gustave P., Waukegan, Ill. Spring seat construction. 2,568,071, Sept. 18.

Johnson, Harry A., Vancouver, Wash. Carbon rod jack. 2,568,194, Sept. 18.

Johnson, James H., assignor to Fraser Products Company, Alpena, Mich. Seat cover fastening means. 2,568,396, Sept. 18.

Johnson, Jay F., Superior, Wis. Collapsible window. 2,568,069, Sept. 18.

Johnson, John, San Jacinto, Calif. Nut and fruit tree shaking device. 2,568,193, Sept. 18.

Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Production of tetrahydronaphthalene peroxide. 2,568,639, Sept. 18.

Jones, Herbert S., Miami, Fla., assignor to J. B. Fried, Elmhurst, N. Y. Storm shutter. 2,568,195, Sept. 18.

Joy Manufacturing Company, assignee: *See*— Woolf, James W., and Russell.

Jude, George F.: *See*— Brannin, Richard S., Halpert, and Jude.

Jutras, Arthur, Saint Hyacinthe, Quebec, Canada. Denture tray. 2,568,072, Sept. 18.

Kahl, William R., Auburn, N. Y. Ironer permitting removal of work at input end. 2,568,451, Sept. 18.

Kahn, Faith Hope, New York, N. Y. Headgear. 2,568,399, Sept. 18.

Karlström, Johan F. R., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Device for sharpening cutlery. 2,567,941, Sept. 18.

Karrer, Friedrich W. J., and H. Du Riets, Stockholm, Sweden. Drying granular, thread, and fibrous materials. 2,567,940, Sept. 18.

Kase, Sheldon, Perth Amboy, and J. G. Sperling, Asbury Park, N. J., assignors to the United States of America as represented by the Secretary of War. Direct arithmetical reading of target angle values. 2,567,942, Sept. 18.

Kawecki, Henry C., Fleetwood, and E. J. Bielecki, Muhlenburg Township, Berks County, assignors to The Beryllium Corporation, Reading, Pa. Production of potassium titanium fluoride. 2,568,341, Sept. 18.

Kearby, Kenneth K., Cranford, N. J., assignor to Standard Oil Development Company. Subdividing solid particles. 2,568,440, Sept. 18.

Keeley, Armand E., Huntingdon, Pa., assignor to Prismo Products, Inc., Dayton, Ohio. Making reflecting signs by laminating. 2,568,126, Sept. 18.

Keiser, Bernhard: *See*— De Groote, Melvin, and Keiser.

Kelley, John F.: *See*— Schleser, Warren J., and Kelley.

Kelly, Earl M., Millbrae, and A. M. Kivari, Los Angeles, assignors to Process Engineers Incorporated, San Francisco, Calif. Clarification. 2,568,452, Sept. 18.

Kennedy, Walter V.: *See*— Zimmerman, Robert M., and Kennedy.

Kennedy, Walter V., Central Falls, R. I., assignor to Fram Corporation. Filter. 2,568,196, Sept. 18.

Kenyon, William O., and J. A. Cathcart, assignors to Eastman Kodak Company, Rochester, N. Y. Cellulose ester lithographic printing process. 2,568,503, Sept. 18.

Kershaw, Royce, Montgomery, Ala. Ballast remover. 2,568,136, Sept. 18.

Keystone View Company, assignee: *See*— Alexander, Henry S.

Kieser, Alois, Bregenz, Austria. Production of a lining for pressure galleries and shafts. 2,568,010, Sept. 18.

Kindelberger, James H., Pacific Palisades, Calif. Self-locking bolt. 2,568,640, Sept. 18.

King, Arthur R.: *See*— Wise, David L., and King.

King, Edward O., Farmersville Station, N. Y. Garment hanger. 2,568,233, Sept. 18.

King, John A., Albany, and F. H. McMillan, Troy, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Arylthioalkanoamides and their preparation. 2,568,011, Sept. 18.

Kirby-Smith, John S.: *See*— Crawford, Francis W., and Kirby-Smith.

Kivari, Arthur M.: *See*— Kelly, Earl M., and Kivari.

Kizaur, Arthur J., Wauwatosa, Wis., assignor to General Electric Company. Tilting cantilever table top structure. 2,568,236, Sept. 18.

Kloski, John F., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Mechanism for varying the tension of normalizing springs of typewriters or like machines. 2,567,943, Sept. 18.

Kluttz, Samuel C., deceased, Salisbury, N. C.; R. W. Rufty, administrator, assignor to V. R. Kluttz. Surf board control means. 2,568,349, Sept. 18.

Kluttz, Violet R., assignee: *See*— Kluttz, Samuel C.

Knutsson-Hall, Folke K., Lofta, Sweden. Pyrotechnic match capable of repeated ignition. 2,568,285, Sept. 18.

Koehler, Robert L., Venice, and J. Miller, Los Angeles, assignors to R. D. Collins, Beverly Hills, Calif. Signaling method and system. 2,568,342, Sept. 18.

Kofford, Earl J.: *See*— Salit, Myron C., and Kofford.

Koppel, Ernst R., and W. B. Caldwell, assignors to Borg-Warner Corporation, Chicago, Ill. Conveyer mechanism for disks and the like. 2,568,073, Sept. 18.

Koppers Company, Inc., assignee: *See*— Johnson, Robert.

Kraetsch, Gunther: *See*— Gerner, Willi, and Kraetsch.

Kramer, Walter B., and T. A. Moore, Affton, Mo. Camclosing pivoted-jaw pliers having displaceable-half-nut actuator. 2,568,641, Sept. 18.

Krantz, Karl W., Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission. Production of dichlorododecafluoroheptane and derivatives thereof. 2,568,642, Sept. 18.

Krause, Ernst H., Cheverly, Md., and C. E. Cleeton, Washington, D. C. Pulse group selector. 2,567,944, Sept. 18.

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Controller for pneumatic thread removers. 2,568,643, Sept. 18.

Kronstein, Max., New York, N. Y. Solubilizing at least partially insoluble and gelatinized waxes. 2,568,550, Sept. 18.

Kronstein, Max., New York, N. Y. Solubilizing at least partially insoluble and gelatinized oils. 2,568,551, Sept. 18.

Kuhlik, Hattie B., assignee: *See*— Kuhlik, Jacob M.

Kuhlik, Jacob M., Brooklyn, assignor to H. B. Kuhlik, Sea Gate, N. Y. South recording and reproducing machine. 2,568,681, Sept. 18.

Kummerlen, Karl, assignor to R. E. Sleight, Philadelphia, Pa. Brake for printing press ductor rolls. 2,568,343, Sept. 18.

Kupper, William H.: *See*— Hart, Henry J., and Kupper.

Kupper, William H., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Power operating mechanism for typewriters or like machines. 2,567,945, Sept. 18.

Kuzel, Joseph B.: *See*— Fischer, Frank N., and Kuzel.

Labhart, Heinrich, Basel, Switzerland. Apparatus for determining the course of the refractive index of an optically nonhomogenous medium disposed in a cell, particularly an electrophoresis cell. 2,568,589, Sept. 18.

Lamm, Maria T., North Hollywood, Calif. Orthopedic device. 2,568,197, Sept. 18.

La Grande, Vito, Westfield, N. J. Joint brace plate. 2,568,453, Sept. 18.

Lai, Guy W., Osborn, Ohio. Glider position indicating device. 2,567,947, Sept. 18.

Lambert, William H.: *See*— Pattison, Donald R., Lambert, and Phillips.

Lane, Arthur W., Roosevelt, assignor to The Sperry Corporation, Great Neck, N. Y. Starting arrangement for gyro verticals. 2,567,948, Sept. 18.

Lang, Wolfgang S.: *See*— Witzky, Julius E., Lang, and Jakob.

Larsen, Merwin J., Villa Park, and N. B. Erickson, Chicago, Ill., assignors to Central Commercial Company. Electrical musical instrument. 2,568,644, Sept. 18.

Laser, Mary M., assignor to herself, and R. H. Laser, Emmaus, Pa. Adjustable diaper. 2,568,590, Sept. 18.

Laser, Robert H., assignee: *See*— Laser, Mary M.

Lathe, Frank E., Ottawa, Ontario, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada. Batch for refractory masses and consolidating. 2,568,237, Sept. 18.

Launder, Ernie L., Montebello, Calif. Torch handling apparatus. 2,568,074, Sept. 18.

Launder, Ernie L., assignor to H. & L. Tooth Company, Montebello, Calif. Cap fastener for excavating bucket digging teeth. 2,568,075, Sept. 18.

Laverents, Sidney N., San Diego, Calif. Accelerator control device. 2,568,454, Sept. 18.

Lawton, George D.: *See*— Mountain, Edward, and Lawton.

Le Boeuf, Oscar J., Gary, Ind. Scraping tool for freeing stuck window sashes. 2,568,012, Sept. 18.

Lee, Ernest D., Teaneck, and R. J. Schefbauer, Jr., Union City, N. J., assignors to Interchemical Corporation, New York, N. Y. Utah coal resin modified alkyd resins. 2,568,591, Sept. 18.

Lee, Gerald L.: *See*— Eash, John T., and Lee.

Lee, Gerald L., Plainfield, and J. T. Eash, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y. Cast graphitic nickel alloy and making same. 2,568,013, Sept. 18.

Lehn, John U., assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,568,344, Sept. 18.

Lepp, Jack M., Columbus, Ohio, and J. A. Sirh, Denver, Colo., assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio. Making refractory bodies. 2,568,157, Sept. 18.

Leskinen, David, deceased, San Francisco, Calif.; L. Leskinen, administratrix. Helicopter. 2,568,645, Sept. 18.

Leskinen, Lempi, administratrix: *See*— Leskinen, David.

Le Van, Ambrose E., Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y. Fluid separating diaphragm in fitting for pressure gauges. 2,568,238, Sept. 18.

Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Hydroxyalkylhydroperoxides. 2,568,682, Sept. 18.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Apparatus for making sponge rubber. 2,567,949, Sept. 18.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Sponge rubber-textile combination material. 2,567,951, Sept. 18.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making sponge rubber. 2,567,952, Sept. 18.

Lewis, Elisha B., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Making combined sponge rubber-textile materials. 2,567,953, Sept. 18.

Lewus, Alexander J., Cicero, Ill. Power take-off apparatus for motor vehicles. 2,568,076, Sept. 18.

Liebmann, August G., assignor of one-half to H. A. Blessing, Washington, D. C. Aircraft launching apparatus. 2,567,954, Sept. 18.

Lindars, Herman, Sheffield, England. Electric switching apparatus. 2,568,345, Sept. 18.

Lindvall, Frederick C., Altadena, and P. E. Lloyd, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,568,455, Sept. 18.

Linn, Carl B.: *See*— Wackher, Richard C., and Linn.

Linotype and Machinery Limited, assignee: *See*— Scott, Richard H., and Hayward.

Little, George N., assignor of one-fourth to W. S. Pyle, Kansas City, one-fourth to C. O. Spangler, and one-fourth to J. L. Spangler, Independence, Mo. Pump. 2,568,646, Sept. 18.

Littlefield, Ernest C., Sparta, Mich. Tube dispensing device having pivotally mounted housing members with transversely slidable pressure plates mounted therein. 2,568,286, Sept. 18.

Lloyd, Paul E.: *See*— Lindvall, Frederick C., and Lloyd.

Lockhart, Marshall L., Rutherford, N. J. Syringe structure. 2,568,346, Sept. 18.

Loewy Engineering Company Limited, The, assignee: *See*— Henschker, Erhard, and Hachenburg.

Lonne, Ingvar, Roscoe, Calif. Mechanically operated shaver. 2,568,287, Sept. 18.

Lonngren, Harald E., New York, N. Y. Treating black liquors. 2,568,239, Sept. 18.

Loomis, Crawford C., Ilion, and K. J. Lowe, deceased, late of Ilion, N. Y., by J. A. Lowe, administratrix, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn. Mechanism to convert a firearm from semiautomatic to full automatic action. 2,568,198, Sept. 18.

Loufek, Frank J., Cedar Rapids, Iowa. Centrifugal mill hammer with renewable wearing tip. 2,568,077, Sept. 18.

Low, Roy G., Minneapolis, Minn. Swing. 2,568,015, Sept. 18.

Lowe, Jane A., administratrix *See*— Loomis, Crawford C., and Lowe.

Lowe, Kenneth J.: *See*— Lommis, Crawford C., and Lowe.

Ludwig, William F., River Forest, Ill. Tone indicating mechanism for kettle-drums. 2,568,504, Sept. 18.

Lundelius, Charles, Rocklin, Calif. Drain line cleaner. 2,568,347, Sept. 18.

Lunn, William: *See*— Woolhouse, Thomas G., and Lunn.

Lynn, Lawrence B., Wilkinsburg, and C. R. Hanna, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control device. 2,568,401, Sept. 18.

Lynn, Lawrence B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vehicle stabilizing apparatus. 2,568,402, Sept. 18.

Lyon Metal Products, Incorporated, assignee: *See*— O'Connor, John B.

Macgeorge, William D., Havertown, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Differential transformer. 2,568,587, Sept. 18.

Macgeorge, William D., Collegeville, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Differential transformer with long stroke and linear output. 2,568,588, Sept. 18.

Macgeorge, William D: *See*— Hunt, Walter L., and Macgeorge.

Macha, Louis, Jr., Houston, Tex. Drafting instrument. 2,568,647, Sept. 18.

Machlett Laboratories Incorporated, assignee: *See*— Magnusson, Bror K. M.

MacLean, Alexander F., Robstown, and W. E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America. Formaldehyde conversion. 2,568,016, Sept. 18.

MacLean, Alexander F., Robstown, and W. E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Paraformaldehyde from formaldehyde. 2,568,017, Sept. 18.

MacLean, Alexander F., Robstown, and W. E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Treatment of paraformaldehyde. 2,568,018, Sept. 18.

Magnusson, Bror K. M., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. High-voltage electronic rectifier tube of the incandescent filament type. 2,568,552, Sept. 18.

Mahoney, Donald G.: *See*— Nichols, Charles A., Poole, Mahoney, and McShurley.

Malheiros, Luiz G., Syracuse, N. Y., assignor to General Electric Company. Electromagnetic deflection yoke structure. 2,568,456, Sept. 18.

Mallet, Noel P.: *See*— Green, David F., Mallet, and Briscoe.

Mankin, Arthur H.: *See*— Sunstein, David E., and Mankin.

March, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine thiocyanate. 2,567,955, Sept. 18.

Marconi's Wireless Telegraph Company Limited, assignee: *See*— Brailsford, Joseph D., and Vass.

Marley Company, Inc., The, assignee: *See*— Mart, Leon T.

Mart, Leon T., Mission, assignor to The Marley Company, Inc., Kansas City, Kans. Spray nozzle. 2,568,240, Sept. 18.

Martin, Philip W., Huntington Park, Calif. Apparatus for logging. 2,568,241, Sept. 18.

Martin, Wade B., Ramsey, N. J., assignor to American Telephone and Telegraph Company. Telegraph signal biasing set. 2,568,019, Sept. 18.

Martinet, Noël, assignor to Société des Papiers et Cartons Couchés "Lux," Fures, France. Method and apparatus for testing papers and the like. 2,568,199, Sept. 18.

Marvel Oil Treater, Inc., assignee: *See*— Griffith, Ernest H.

Mascuch, Joseph J., assignee: *See*— Nardone, Romeo M.

Matteson, George A., Jr., Providence, R. I., assignor to Metals and Controls Corporation, Attleboro, Mass. Electrical contact. 2,568,242, Sept. 18.

Mauerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Lighting system embodying two or more arc discharge devices and ballast therefor. 2,568,553, Sept. 18.

Maxwell, John D., Glen Head, assignor to Powers Photo Engraving Company, Glen Cove, N. Y. Contact screen halftone camera. 2,568,505, Sept. 18.

May, Harry C., East McKeesport, and E. E. Hewitt, Edgewood, Pa., assignors to Westinghouse Air Brake Company. Fuel flow control responsive to turbine inlet temperature and speed for coal burning gas turbines. 2,568,127, Sept. 18.

Mayher, Ernest J., Kiwanis Lake, assignor to The Tremont Tool & Gage Company, Inc., Cleveland, Ohio. Regrooving tool. 2,568,683, Sept. 18.

Maytag Company, The, assignee: *See*— Smith, Thomas R.

McCabe-Powers Auto Body Co., assignee: *See*— Smid, James, and Single.

McCauley, Claudius R., New Orleans, La. Telemetric system. 2,568,348, Sept. 18.

McClay, Gordon F., Lennoxville, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y. Hydraulic bark remover having certain nozzles controlled by log-interrupted light beam. 2,568,554, Sept. 18.

McCool, John C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparing carbothiolic acids. 2,568,020, Sept. 18.

McCool, John C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerizing butadiene-1,3 hydrocarbons in aqueous emulsion in the presence of mercapto-substituted monocarboxylic acid esters. 2,568,648, Sept. 18.

McCord Corporation, assignee: *See*— Gardes, Alfred W.

McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Table top construction. 2,568,243, Sept. 18.

McDonald, Donald, Dayton, assignor of one-half to P. Frobe, Cincinnati, Ohio. Pneumatic debagging machine. 2,568,244, Sept. 18.

McDonald, Lee A., Middletown, Ohio. Fishing reel. 2,568,245, Sept. 18.
McGahey, Robert E., Jr., Los Angeles, Calif., assignor of one-half to G. C., V. L., and M. H. Holmes, jointly. Cartridge. 2,568,078, Sept. 18.
McGahey, Robert E., Jr., Los Angeles, Calif., assignor of one-half to G. C., V. L., and M. H. Holmes, jointly. Refire adapter for cartridges. 2,568,079, Sept. 18.
McGahey, Robert E., Jr., Los Angeles, Calif., assignor of one-half to G. C., V. L., and M. H. Holmes, jointly. Cartridge. 2,568,080, Sept. 18.
McIntosh, Donald J., and M. Smith, assignors, by mesne assignments, to said M. Smith, Detroit, Mich. Chain structure. 2,568,649, Sept. 18.
McIntosh, Donald J., and M. Smith, assignors, by mesne assignments, to said M. Smith, Detroit, Mich. Chain structure. 2,568,650, Sept. 18.
McIntosh, Donald J., and M. Smith, Detroit, Mich.; said McIntosh assignor to said Smith. Chain structure. 2,568,651, Sept. 18.
McKay, Leslie J., Orlando, Fla. Key retaining device. 2,568,081, Sept. 18.
McKay, William R., Compton, Calif. Offset disk harrow. 2,568,082, Sept. 18.
McKee, Robert C., assignor to The Institute of Paper Chemistry, Appleton, Wis. Corrugated board and making same. 2,568,349, Sept. 18.
McLendon, James E., assignee: *See*—
Nichols, John R.
McMillan, Freeman H.: *See*—
King, John A., and McMillan.
McShurley, Marshall D.: *See*—
Nichols, Charles A., Poole, Mahoney, and McShurley.
McShurley, Marshall D., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Stack elevator control mechanism for collating machines. 2,568,246, Sept. 18.
McWhorter, Marie W., Charlotte, N. C. Garment bag. 2,568,158, Sept. 18.
Mead, Johnson & Company, assignee: *See*—
Barton, Raymond W.
Medcalf, Eugene C.: *See*—
Vriens, Gerard N., Sisco, and Medcalf.
Medcalf, Eugene C., Bound Brook, and W. E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of dicyanodialkyl ethers and sulfides used as solvents in an aromatic hydrocarbon extraction process. 2,568,159, Sept. 18.
Medcalf, Eugene C., Bound Brook, and W. E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of dicyanodialkyl amines. 2,568,160, Sept. 18.
Medearis, James F., Ventura, Calif. Pipe wiper. 2,568,247, Sept. 18.
Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Control means for differential actuators. 2,568,350, Sept. 18.
Mercer, William M., Los Angeles, Calif. Liquid level control mechanism. 2,568,506, Sept. 18.
Metals and Controls Corporation, assignee: *See*—
Matteson, George A., Jr.
Meyer, Robert J., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of foam rubber sponge articles. 2,568,457, Sept. 18.
Meyerhoff, Albert J., Union, and J. H. Sulzer, Union Beach, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Device for testing cables. 2,568,161, Sept. 18.
Mid-Continent Supply Company, Inc., assignee: *See*—
Cone, Truett M.
Mihalyi, Richard F., Rochester, N. Y. Vestibule diaphragm. 2,568,684, Sept. 18.
Milbourne, Charles G., assignor to Surface Combustion Corporation, Toledo, Ohio. Making fuel gas from natural gasoline and straight run gasoline. 2,568,351, Sept. 18.
Miller, Edwin A., Fairfield, Conn. Switch blade. 2,568,652, Sept. 18.
Miller Electric Company, assignee: *See*—
Goodwin, George R.
Miller, Elmer: *See*—
Perkins, Hillis O., Porter, Miller, and Hennig.
Miller, James: *See*—
Koebler, Robert L., and Miller.
Miller, Robert E., Bronxville, N. Y. Self-retaining leg mount for furniture. 2,568,507, Sept. 18.
Miller, Theadore, Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical time delay apparatus. 2,568,403, Sept. 18.
Miller, William T., Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. High-pressure polymerization of perhalooleflns. 2,567,956, Sept. 18.
Millerd, George A., New London, Wis. Hanger and hammer assembly for hammer mills. 2,568,200, Sept. 18.
Milligan, Winfred O., Houston, Tex., assignor to Houdry Process Corporation, Wilmington, Del. Preparation of catalyst gel beads by emulsifying. 2,568,352, Sept. 18.
Mills, James, Limited, executors of, assignee: *See*—
Wragge, William B.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Husted, Donald R., and Ahlbrecht.
Miollis, Raymond, Maywood, Ill., assignor to The Borden Company, New York, N. Y. Cheese handling apparatus. 2,567,957, Sept. 18.
Miseta, Frank, Jr., Columbus, Ohio. Combination paper-cutting tool. 2,568,353, Sept. 18.
Mitchell, Kathryn E., Boise, Idaho. Removable knee patches for pants. 2,568,083, Sept. 18.
Mockridge, Chester R., Nutley, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Multiple variable orifice valve. 2,568,084, Sept. 18.
Mohns, Leslie F., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Threaded locking device. 2,568,162, Sept. 18.
Mojonnier Bros. Co., assignee: *See*—
Mojonnier, Timothy and O. W.
Mojonnier, Oliver W.: *See*—
Mojonnier, Timothy and O. W.
Mojonnier, Timothy, Oak Park, and O. W. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros. Co. Heat exchange receptacle. 2,568,653, Sept. 18.
Moline, Carl R., Homewood, assignor to American Steel Foundries, Chicago, Ill. Spring bolster truck. 2,568,201, Sept. 18.
Monchamp, George E.: *See*—
Packer, Lewis C., and Monchamp.
Monsanto Chemical Company, assignee: *See*—
Hood, Ralph S.
Montague, Gerald C., Urbana, Ohio. Motor block attaching means for motor stands. 2,568,508, Sept. 18.
Montgomery, William J., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Coating paper. 2,568,288, Sept. 18.
Moore, Allen C., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. 1-nitrophenyl-2-acylamino-1,3-propanediol acetals. 2,568,555, Sept. 18.
Moore, George W., Hollis, N. Y. Table easel. 2,568,354, Sept. 18.
Moore, Thomas A.: *See*—
Kramer, Walter B., and Moore.
Moore, Walter R., Palmyra, N. J., assignor to Underwood Corporation, New York, N. Y. Manifolding device. 2,568,509, Sept. 18.
Morey, Elmer F., Riverside, Calif. Toy jack. 2,568,289, Sept. 18.
Morin, Louis H., Bronx, N. Y. Slider for separable fasteners. 2,568,163, Sept. 18.
Morris, Harold B., Akron, assignor to Eagle Rubber Co., Inc., Ashland, Ohio. Blowing articles of rubber, etc. 2,568,128, Sept. 18.
Morris, Harold B., assignor to Eagle Rubber Company, Inc., Ashland, Ohio. Blowing of articles. 2,568,129, Sept. 18.
Morrison, Hackley, Houston, Tex., assignor, by mesne assignments, to H. Morrison, Jr. Ventilation shutter. 2,568,355, Sept. 18.
Morrison, Hackley, Jr., assignee: *See*—
Morrison, Hackley.
Morrone, Joseph A., Westerly, R. I. Single-trigger double-barrel firearm. 2,568,556, Sept. 18.
Moskowitz, Seymour: *See*—
Yellen, David, and Moskowitz.
Moulden, Tony M., Montrose, Calif. Variable displacement pump. 2,568,356, Sept. 18.
Moulden, Tony M., Montrose, Calif. Variable-displacement radial-piston pump. 2,568,357, Sept. 18.
Mountain, Edward, and G. D. Lawton, Providence, R. I. Motor mount. 2,568,290, Sept. 18.
Mummert, John F., Birmingham, Ala., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,567,958, Sept. 18.
Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Fluidized bed evaporator and method. 2,567,959, Sept. 18.
Murray, Alan E., New York, N. Y. Making shoes. 2,568,291, Sept. 18.
Murray, Alan E., New York, N. Y. Making casts and for making shoes therefrom. 2,568,292, Sept. 18.
Myers, William R., Charleston, and A. S. Tennant, South Charleston, W. Va. Plastic extrusion gun. 2,567,960, Sept. 18.
N. V. Veenendaalsche Sajet-en Vijfschachtfabriek voorheen Wed. D. S. van Schuppen & Zoon, assignee: *See*—
Overhoff, Johan, and Hackmann.
Nahmens, Paul M., Chicago, Ill. Graphic arts utility table. 2,568,358, Sept. 18.
Nardone, Romeo M., Teaneck, assignor to J. J. Mascuch, Maplewood, N. J. Engine starting mechanism. 2,568,404, Sept. 18.
National Acme Company, The, assignee: *See*—
Jeffrey, Max L.
National Cash Register Company, The, assignee: *See*—
Slonneger, Bruce K.
National Machinery Company, The, assignee: *See*—
Friedman, John H.
National Malleable and Steel Castings Company, assignee: *See*—
Willison, Donald.
National Plastic Products Company, The, assignee: *See*—
Genovese, Anthony.

National Valve & Manufacturing Company, assignee: *See*—
Grabe, Clarence G.
Naugle, John J., New York, N. Y. Filtering device. 2,568,085, Sept. 18.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Alvarez, Luis W.
Christensen, Orland M.
Daly, Thomas A., and Hogue.
Jennings, Lawrence D., and Naymik.
Lindvall, Frederick C., and Lloyd.
Naymik, Joseph: *See*—
Jennings, Lawrence D., and Naymik.
Nelson, Edward, Sycamore, Ill. Ice-cream dispensing machine. 2,568,293, Sept. 18.
Neptune, Charles B., Los Angeles, Calif. Crutch. 2,568,654, Sept. 18.
New Britain Machine Company, The, assignee: *See*—
Angle, Glenn D.
Newbery, Arthur L., Robertsbridge, England. Construction toy. 2,568,357, Sept. 18.
Nichols, Charles A., L. E. Poole, Anderson, D. G. Mahoney, and M. D. McShurley, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Assembling apparatus. 2,568,248, Sept. 18.
Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Making calendar mounts. 2,568,458, Sept. 18.
Nichols, John R., Jackson, Mich., assignor to J. E. McLendon doing business as Time Saver Tool Co., Dallas, Tex. Gripping and disassembling tool. 2,568,294, Sept. 18.
Nilson, Arthur N., R. A. Thienemann, Chicago, and W. J. Zenner, Des Plaines, assignors to Teletype Corporation, Chicago, Ill. Latch operated clutch. 2,568,249, Sept. 18.
Nilsson Gage Company, Inc., assignee: *See*—
Nilsson, John C.
Nilsson, John C., Hyde Park, assignor to Nilsson Gage Company, Inc., Poughkeepsie, N. Y. Adjustable comparator. 2,568,558, Sept. 18.
Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Electric discharge device. 2,568,459, Sept. 18.
Nolde, George V., Berkeley, Calif. Pressure controller. 2,568,086, Sept. 18.
Nolde, George V., Berkeley, Calif. Control mechanism for compasses and calipers. 2,568,559, Sept. 18.
Nolte, Henry J., Schenectady, N. Y., assignor to General Electric Company. Fabricating sealed envelopes. 2,568,460, Sept. 18.
Norrman, Ernst, Williams Bay, Wis. Frequency divider. 2,568,510, Sept. 18.
Northrop Aircraft, Inc., assignee: *See*—
Northrop, John K.
Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. High lift flap. 2,568,021, Sept. 18.
Noweck, Herman E., Mountain Lakes, and T. D. Robb, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key pulsing B operator position circuit. 2,568,164, Sept. 18.
Nyer, Jacob A.: *See*—
Traub, Milton, and Nyer.
Oberding, Nicholas, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Poster panel. 2,568,165, Sept. 18.
O'Brien, Joseph F., Lebanon, J. B. Cataldo, Annandale, and K. E. Vroom, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y. Electrical receptacle. 2,567,961, Sept. 18.
O'Brien, Joseph F., Lebanon, J. B. Cataldo, Bernardsville, and K. E. Vroom, Summit, N. J., assignors to John B. Pierce Foundattion, New York, N. Y. Switch unit. 2,567,962, Sept. 18.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Phase comparator circuits. 2,568,250, Sept. 18.
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Handle for locker latches. 2,568,592, Sept. 18.
Ogden, John W., Pawtucket, R. I., assignor to Irons & Russell Company. Cravat holder. 2,568,511, Sept. 18.
Ohio Brass Company, The, assignee: *See*—
Smith, Edward P.
Olin Industries, Inc., assignee: *See*—
Franz, Arvel O., and Walkup.
Olson, Holly M., assignor to Sealed Power Corporation, Muskegon, Mich. Steel piston ring. 2,568,655, Sept. 18.
Olson, Raymond R., Oak Park, Ill. Window construction. 2,568,130, Sept. 18.
O'Malley, Thomas F., Pittsburgh, Pa. Nail holder. 2,568,405, Sept. 18.
Orlando, Charles P., assignee: *See*—
Scuderi, John.
Ortstein, Herbert L., Andover, assignor to Pacific Mills, Lawrence, Mass. Apparatus and process for encasing cylindrical articles in paper bags. 2,568,593, Sept. 18.
Oster, John, Manufacturing Company, assignee: *See*—
Poplawski, Stephen J.
Oswald, Marcel, assignor to Societe LeCarbone-Lorraine, Paris, France. Refining refractory carbides. 2,568,251, Sept. 18.
Overhoff, Johan, Amsterdam-Z, and J. T. Hackmann, Helloo, assignors to N. V. Veenendaalsche Sajet-en Vijfschachtfabriek voorheen Wed. D. S. van Schuppen & Zoon, Veenendaal, Netherlands. Recovering sterols from mixtures thereof. 2,568,202, Sept. 18.
Pacific Mills, assignee: *See*—
Ortstein, Herbert L.
Packard Motor Car Company, assignee: *See*—
Vincent, Jesse G.
Packer, Lewis C., Longmeadow, and G. E. Monchamp, Holyoke, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Testing rotors. 2,568,406, Sept. 18.
Page, John S., assignor to Page Oil Tools Inc., Long Beach, Calif. Well equipment. 2,568,087, Sept. 18.
Page, John S., assignor to Page Oil Tools, Inc., Long Beach, Calif. Well packer. 2,568,295, Sept. 18.
Page Oil Tools Inc., assignee: *See*—
Page, John S.
Palfi, Johann, Stroud, England. Starting device for internal-combustion engines. 2,568,359, Sept. 18.
Palmer, Walter E.: *See*—
Crecca, John D., and Palmer.
Paragon Revolute Corporation, assignee: *See*—
Sullivan, Warren L.
Parke, Davis & Company, assignee: *See*—
Moore Allen C
Sullivan, Marie-Jo.
Parker, Leonard A., De Witt, Ark. Barbecue oven. 2,568,022, Sept. 18.
Parnell, William S.: *See*—
Taylor, John W., Jr., and Parnell.
Parrish, Charles I., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of an isoolefin and a vinyl cycloolefin. 2,568,656, Sept. 18.
Parsons, Glenn W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Penicillin production. 2,568,360, Sept. 18.
Patent and Licensing Corporation, The, assignee: *See*—
Reeser, Harry C.
Paterson Pacific Parchment Company, assignee: *See*—
Pedersen, Morris.
Pattinson, George H., Staines, England. Housing for impact breaking or crushing machines. 2,568,203, Sept. 18.
Pattison, Donald R., and W. H. Lambert, Johnstown, and A. H. Phillips, Reading, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Excitation system. 2,568,407, Sept. 18.
Pauch, John E., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Slotted prismatic antenna. 2,568,560, Sept. 18.
Peboc Limited, assignee: *See*—
Pickholz, Siegfried, and Roberts.
Pedersen, Morris, San Francisco, Calif., assignor to Paterson Pacific Parchment Company. Chuck. 2,568,088, Sept. 18.
Peebles, Woodrow W., Winston-Salem, N. C. Package inspecting machine using mirror structure. 2,568,461, Sept. 18.
Pendleton, Walter A., La Crescenta, Calif. Holder for drills or the like. 2,568,089, Sept. 18.
Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Burroughs, Samuel G.
Perdue, Jack, Great Sankey, near Warrington, and S. Hackney, assignors to Electro-Hydraulics Limited, Warrington, England. Indicating the position of an automatic locking device for pistons or other movable parts. 2,568,561, Sept. 18.
Perfection Packaging, assignee: *See*—
Brown, William E.
Perry, David P., Maplewood, N. J. Television image superimposition. 2,568,166, Sept. 18.
Perry, Walter M., Darien, Conn., assignor to Johns-Manville Corporation, New York, N. Y. Free filtering asbestos and producing same. 2,568,023, Sept. 18.
Petering, Harold G., and J. A. Schmitt, assignors to The Upjohn Company, Kalamazoo, Mich. 2,4-diamino-6-omega-carboxytrihydroxy-propylpteridine. 2,568,462 Sept. 18.
Petering, Harold G., and J. A. Schmitt, assignors to The Upjohn Company, Kalamazoo, Mich. 2-amino-4-hydroxy-6-omega-carboxytrihydroxy-propylpteridines. 2,568,685, Sept. 18.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency shift diversity transmission system. 2,568,408, Sept. 18.
Petke, Frederick E., Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del. Yellow printing ink. 2,567,963, Sept. 18.
Petke, Frederick E., Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del. Red printing ink. 2,567,964, Sept. 18.
Petke, Frederick E., Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del. Blue printing ink. 2,567,965, Sept. 18.
Peto, Conrad: *See*—
Briskin, Mack, and Peto.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Pettigrove, John R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Liquid volume indicator. 2,568,341, Sept. 18.
Pfau, William F., Norwood, Ohio. Furnace grate structure including ash removal means. 2,568,657, Sept. 18.
Pfenninger, Hans, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Combined steam generator and combustion gas turbine power plant. 2,568,024, Sept. 18.
Philco Corporation, assignee: *See*—
Sunstein, David E., and Mankin.
Phillips, Arthur H.: *See*—
Pattson, Donald R., Lambert, and Phillips.
Phillips, Benjamin, Jr., Charleston, W. Va., assignor by mesne assignments, to Union Carbide and Carbon Corporation. Reaction of enol esters with alkoxy-carboxylic acid anhydrides. 2,568,296, Sept. 18.
Phillips, Herbert R., Riverdale, N. Y. Exhaust extension and guard for automobiles. 2,568,409, Sept. 18.
Phillips Petroleum Company, assignee: *See*—
Crawford, Francis W., and Kirby-Smith.
Pettigrove, John R.
Philpott, William J., London, England, assignor to Hugh Steeper Limited. Artificial limb. 2,568,297, Sept. 18.
Philpott, William J., London, England, assignor to Hugh Steeper Limited. Artificial hand. 2,568,298, Sept. 18.
Philpott, William J., London, England, assignor to Hugh Steeper Limited. Artificial hand. 2,568,299, Sept. 18.
Pickhols, Siegfried, Greenford, and E. Roberts, London, assignors to Peboc Limited, Greenford, England. Production of 7-halogen-osterols. 2,568,023, Sept. 18.
Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F., Cataldo, and Vroom.
Pigott, Reginald J. S., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Relief and control valve. 2,568,026, Sept. 18.
Pitney-Bowes, Inc., assignee: *See*—
Hanson, Walter J., and Russell.
Pointon, John E., Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Dough divider. 2,568,252, Sept. 18.
Policastro, Carmine P., assignee: *See*—
Anania, James A.
Poole, Lora E.: *See*—
Nichols, Charles A., Poole, Mahoney, and McShurley.
Pope, Frank B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerizing polyunsaturated esters. 2,568,658, Sept. 18.
Popiawski, Stephen J., assignor to John Oster Manufacturing Company, Racine, Wis. Ice-cream disher. 2,568,900, Sept. 18.
Porter, Charles A.: *See*—
Folkins, Hillis O., Porter, Miller, and Hennig.
Porter, Glenn M., Riverside, Calif., assignor to Food Machinery and Chemical Corporation. Electric weigher. 2,568,253, Sept. 18.
Pottberg, Fred H., and R. C. Freberg, Tinley Park, Ill. Well fixture seal. 2,568,301, Sept. 18.
Powell, Jeston H., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of an alkyl acrylate, a haloalkyl vinyl compound, and a divinyl aryl hydrocarbon. 2,568,659, Sept. 18.
Powers Photo Engraving Company, assignee: *See*—
Maxwell, John D.
Powers-Samas Accounting Machines Limited, assignee: *See*—
Thomas, Arthur.
Pratt Manufacturing Company, assignee: *See*—
Holbrook, Max A.
Prentiss, John G., Berwyn, Ill., assignor to Zenith Radio Corporation. Vibration-damping electromagnetic coupling unit for sound-amplifying apparatus. 2,568,167, Sept. 18.
Primavera, Vincent A. R., Norton, Conn. Garden and beach umbrella. 2,568,362, Sept. 18.
Prismo Products, Inc., assignee: *See*—
Keeley, Armand E.
Process Engineers Incorporated, assignee: *See*—
Kelly, Earl M., and Kivari.
Products & Licensing Corporation, assignee: *See*—
Toulon, Pierre M. G.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Radey, Charles R.
Pumphrey, William H., Sr.: *See*—
Spinasse, Arthur E., and Pumphrey.
Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid pressure-operated actuator for hydraulic valves. 2,568,254, Sept. 18.
Purcell, Lee J., assignor to Development Corporation of America, Los Angeles, Calif. Phonograph record cabinet. 2,567,966, Sept. 18.
Purdue Research Foundation, assignee: *See*—
Townsley, Ralph R.
Pure Oil Company, The, assignee: *See*—
Bond, Donald C.
Folkins, Hillis O., Porter, Miller, and Hennig.
Pyle, Walter S., assignee: *See*—
Little, George N.
Query, Grady W., Charlotte, N. C. Rodent baiting station. 2,568,168, Sept. 18.

Raab, William J.: *See*—
Whetstone, Richard R., Raab, and Ballard.
Rachlin, Max, Flushing, N. Y. Making downspout hooks. 2,568,027, Sept. 18.
Raczynski, Chester E., assignor to Zenith Radio Corporation, Chicago, Ill. Stamped helical coil. 2,568,169, Sept. 18.
Radey, Charles R., Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Angle cock bracket. 2,568,562, Sept. 18.
Radio Corporation of America, assignee: *See*—
Anderson, Leslie J.
Artzt, Maurice.
Duke, Vernon J.
Goldsmith, Alfred N.
Radio Corporation of America, assignee: *See*—
Herold, Edward W.
Houghton, William D.
Jefferson, Harold.
Pauch, John E.
Peterson, Harold O.
Robinson, Harris A.
Wald, Sidney.
Raleigh, Walter J.: *See*—
Armstrong, Daniel A., and Bandli.
Rambo, Sheldon I., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Radio frequency apparatus. 2,568,410, Sept. 18.
Ramsay, George D.: *See*—
Burnam, Thompson W., and Ramsay.
Ransburg Electro-Coating Corp., assignee: *See*—
Crouse, William W.
Raser, William H., Jr., St. Petersburg, Fla. Helicopter. 2,568,363, Sept. 18.
Ray, Robert H., Co., assignee: *See*—
Frowe, Eugene W.
Raytheon Manufacturing Company, assignee: *See*—
Goldsmith, Joseph.
Riblet, Henry J.
Razee, Arthur H.: *See*—
Belley, Irving, and Razee.
Redmond, Benjamin, assignor to Chiplets Incorporated, New York, N. Y. Conveyer and cutting mechanism for wrapping machines. 2,568,028, Sept. 18.
Redmond, William J., Cedar Rapids, Iowa, and E. L. Sayers, Griffin, Ga. Inner guide for visible index systems. 2,568,302, Sept. 18.
Reed, James L., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric heating system. 2,568,411, Sept. 18.
Reeser, Harry C., North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y. Container. 2,568,204, Sept. 18.
Reilly, Alfred F., and F. Gengenbach, North Attleboro, Mass., assignors to Evans Case Co. Assembly of shells of containers. 2,568,512, Sept. 18.
Remington Arms Company, Inc., assignee: *See*—
Lommis, Crawford C., and Lowe.
Republic Steel Corporation, assignee: *See*—
Farrar, Alvin J.
Revere Camera Company, assignee: *See*—
Briskin, Mack, and Peto.
Reynolds Metals Company, assignee: *See*—
Faria, Louis.
Reynolds, Richard S.
Sunderhauf, Frederick A.
Reynolds, Richard S., assignor to Reynolds Metal Company, Richmond, Va. Adhering metal foil to nonmetallic carrying webs. 2,568,463, Sept. 18.
Riblet, Henry J., Belmont, Mass., assignor to Raytheon Manufacturing Company. Balanced mixer. 2,568,090, Sept. 18.
Riblett, Earl W.: *See*—
Garbo, Paul W., and Riblett.
Richter, Jiří, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Motion control for work clamping members of automatic sewing machines. 2,568,205, Sept. 18.
Rightley, George E.: *See*—
Seaman, Joseph J., and Rightley.
Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. One-piece lined box. 2,568,170, Sept. 18.
Rite-Hite Corporation, assignee: *See*—
Harris, Paul J.
Robb, Theodore D.: *See*—
Noweck, Herman E., and Robb.
Roberts, Evan: *See*—
Pickhols, Siegfried, and Roberts.
Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Galvanic anode assembly. 2,568,594, Sept. 18.
Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Automatic wide range electrical wave generator of high stability. 2,568,412, Sept. 18.
Rockwell Manufacturing Company, assignee: *See*—
Wiken, Christy A.
Rogers, George L., Schenectady, N. Y., assignor to General Electric Company. Electric welding system. 2,568,464, Sept. 18.
Rohm & Haas Company, assignee: *See*—
Levesque, Charles L.

Rohrer, Raymond R., Orwigsburg, Pa. Diaper. 2,568,595, Sept. 18.
Rolls-Royce Limited, assignee: *See*—
Duesbury, William H., and Atkins.
Root, Le Roy, Stamford, assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 2,568,365, Sept. 18.
Rosen, Joseph, New York, assignor to W. L. Greenfogel, Rego Park, N. Y. Combination article of furniture and bed. 2,568,366, Sept. 18.
Rosen, Raphael, Elizabeth, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Fluorination process. 2,568,660, Sept. 18.
Rosenthal, Adolph H., assignor to Scophony Corporation of America, New York, N. Y. Apparatus for drawing wire. 2,568,303, Sept. 18.
Rossein, Morris, Providence, R. I. Multiple initial device. 2,568,513, Sept. 18.
Rowe, William J., Chicago, Ill. Apparatus for mingling solids and fluids to treat one with the other. 2,568,661, Sept. 18.
Rowe, William W., Cincinnati, assignor to Cincinnati Industries, Inc., Lockland, Ohio. Diagonal creping method and apparatus. 2,567,967, Sept. 18.
Roy, Waldron H., Oxford, assignor to W. M. Goss, Jr., Waterbury, Conn. Safety guard for power presses. 2,568,367, Sept. 18.
Royal Typewriter Company, Inc., assignee: *See*—
Hart, Henry J.
Hart, Henry J., and Kupper.
Kloski, John F.
Kupper, William H.
Rubisch, Albert J., Withee, Wis. Filter pad dispenser. 2,568,413, Sept. 18.
Rufty, Raymond W., administrator: *See*—
Klutts, Samuel C.
Ruge, Arthur C., Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation. Spring tester. 2,568,596, Sept. 18.
Russ, Ira A., Ridgewood, N. J. Pipe joint. 2,568,414, Sept. 18.
Russell, Alva G.: *See*—
Hanson, Walter J., and Russell.
Russell, John D.: *See*—
Woolf, James W., and Russell.
Saco-Lowell Shops, assignee: *See*—
Jessen, Robert F.
Saeman, Walter C., Florence, Ala., assignor to the United States of America as represented by the Tennessee Valley Authority. Crystallization. 2,567,968, Sept. 18.
St. Peter, Gayton F., assignor to B. Stephan, Milwaukee, Wis. Chair back supported folding ironing board. 2,568,686, Sept. 18.
Salit, Myron C., Denver, Colo., and E. J. Kofford, Los Angeles, Calif. Marking apparatus. 2,567,969, Sept. 18.
Sanborn, William L., Milwaukee, Wis. Steam and combustion products generator with expansion means to dry the steam. 2,568,662, Sept. 18.
Sangamo Electric Company, assignee: *See*—
Vanderleck, James M.
Sarjeant, Ralph L., London, England, assignor to Shell Development Company, San Francisco, Calif. Sampling and gauging head for tanks. 2,568,415, Sept. 18.
Sayer, Bert, Sacramento, Calif., and W. F. Sklenar, Berwyn, Ill. Hair cutting device. 2,568,368, Sept. 18.
Sayers, Edward L.: *See*—
Redmond, William J., and Sayers.
Scaff, Jack H., Summit, N. J., and H. C. Theuerer, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor comprising silicon and making it. 2,567,970, Sept. 18.
Schaaff, Louis W., Jackson Heights, assignor to Waldes-Koh-I-Noor, Inc., Long Island City, N. Y. Slider for separable fasteners. 2,568,663, Sept. 18.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield mounting. 2,567,971, Sept. 18.
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing head drive. 2,568,514, Sept. 18.
Scheer, Frederick H., Lewisburg, and W. S. Winfield, Sunbury, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Frequency converter with impedance matched output. 2,568,416, Sept. 18.
Schefbauer, Rupert J., Jr.: *See*—
Lee, Ernest D., and Schefbauer.
Scheiwer, Albert T., Erie, Pa. Combined nozzle and coupling member. 2,568,515, Sept. 18.
Scheiwer, Albert T., Erie, Pa. Coupling. 2,568,516, Sept. 18.
Schieser, Warren J., and J. F. Kelley, assignors to The Exact Weight Scale Company, Columbus, Ohio. Electronic check-weighing and segregating apparatus. 2,568,255, Sept. 18.
Schlesinger, Hermann I., and A. E. Finholt, Chicago, Ill. Making aluminum-containing hydrides. 2,567,972, Sept. 18.
Schmitt, John A.: *See*—
Petering, Harold G., and Schmitt.
Schoenbrun, Nathan, Scranton, Pa. Child restrainer. 2,568,304, Sept. 18.

Scholz, Louis A., Baltimore, Md. Food products and making the same. 2,568,369, Sept. 18.
Schwaneke, Clarence E., United States Marine Corps. Equipment for instruction in instrument flying. 2,567,973, Sept. 18.
Scophony Corporation of America, assignee: *See*—
Rosenthal, Adolph H.
Scott, Arthur L., Columbus, Ohio. Producing paper drum containers. 2,568,664, Sept. 18.
Scott-Atwater Manufacturing Company, assignee: *See*—
Armstrong, Daniel A., Raleigh, and Bandli.
Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Electrical contact device. 2,568,465, Sept. 18.
Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. Contacting device for moving wires. 2,568,466, Sept. 18.
Scott, Charles H., Summit, N. J., assignor to The Dorr Company, Stamford, Conn. Power transmission and stroke adjustor mechanism. 2,567,974, Sept. 18.
Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,568,467, Sept. 18.
Scovill Manufacturing Company, assignee: *See*—
Root, Le Roy.
Seaver, Donald A.
Scuderi, John, Brooklyn, assignor of one-half to C. P. Orlando, Ozone Park, N. Y. Quick-change self-locking wheel mounting. 2,568,370, Sept. 18.
Sealed Power Corporation, assignee: *See*—
Olson, Holly M.
Seaman, Joseph J., and G. E. Rightley, Trenton, N. J. Key ejector for locks. 2,568,206, Sept. 18.
Seaver, Donald A., West Cheshire, assignor to Scovill Manufacturing Company, Waterbury, Conn. Bottle container. 2,568,371, Sept. 18.
Sedgwick, Robert K., Oak Park, assignor to American Steel Foundries, Chicago, Ill. Hydraulic press having differential area prefill valve responsive to pullback line restriction. 2,568,687, Sept. 18.
Seeger, Doris R., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2,4-diamino pteridines and preparing same. 2,568,597, Sept. 18.
Seemar, George H., Chatham, N. J. Unitary container for hypodermic injection ingredients. 2,568,029, Sept. 18.
Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill. Portfolio. 2,568,131, Sept. 18.
Seifter, Joseph: *See*—
Bruce, William F., and Seifter.
Shaffer, Donald U., Brea, Calif. Safety drilling and fishing bumper sub. 2,568,256, Sept. 18.
Shaler, Saul, Jackson Heights, N. Y. Woodworking plane. 2,568,665, Sept. 18.
Sharp, Lorid G., and D. R. Carmody, Renner, Tex., assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Extraction of organic oxygenated compounds from hydrocarbon mixtures. 2,568,517, Sept. 18.
Shatkin, Sidney, Long Branch, assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J. Lipstick case. 2,568,688, Sept. 18.
Shaver, Forrest W.: *See*—
Gresham, Thomas L., and Shaver.
Shell Development Company, assignee: *See*—
Sarjeant, Ralph L.
Whetstone, Richard R., Raab, and Ballard.
Siemens Brothers & Company Limited, assignee: *See*—
Bryan, Ernest A.
Siemens & Halske, Aktiengesellschaft, assignee: *See*—
Wirk, Adolf.
Siemens - Schuckertwerke, Aktiengesellschaft, assignee: *See*—
Belamin, Michael.
Sigmund, Miroslav, Gosforth, England. Detachable water sprinkler. 2,568,171, Sept. 18.
Single, Ernest L.: *See*—
Smid, James.
Sintetos, Nicholas D., San Bernardino, Calif. Pocket lighter. 2,568,091, Sept. 18.
Sisco, William E.: *See*—
Medcalf, Eugene C., and Sisco.
Vriens, Gerard N., Sisco, and Medcalf.
Sklenar, Wenzeslaw F.: *See*—
Sayer, Bert, and Sklenar.
Sleight, Roland E., assignee: *See*—
Kummerlen, Karl.
Sloan, Harry E., Hartford, and G. A. Highberg, West Hartford, assignors to The Cushman Chuck Company, Hartford, Conn. Swivel connection for air operated chucks. 2,568,092, Sept. 18.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sales book holder. 2,568,563, Sept. 18.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sheet holder. 2,568,564, Sept. 18.
Slonneger, Bruce K., assignor to The National Cash Register Company, Dayton, Ohio. Sheet holder. 2,568,565, Sept. 18.
Slotter, Richard L.: *See*—
Tuomy, Justin M., and Slotter.
Slusser, Juanita R., Pomona, Calif. Diaper. 2,568,305, Sept. 18.

Slyh, John A.: *See*—
Lepp, Jack M.

Smid, James, Cleveland, and E. L. Single, Maple Heights, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Retractable step. 2,568,093, Sept. 18.

Smith, Carl S., Flossmoor, Ill. Method and apparatus for forming filled capsules. 2,568,094, Sept. 18.

Smith, Clarence E., Houston, Tex. Sidewalk edger and trimmer. 2,568,468, Sept. 18.

Smith, Clifton E.: *See*—
Hill, Eugene F., Smith, and Vaughn.

Smith, Edward P., assignor to The Ohio Brass Company, Mansfield, Ohio. Gasproof receptacle. 2,568,518, Sept. 18.

Smith, Everet F., Chicago, and V. Voorhees, Homewood, assignors to Standard Oil Company, Chicago, Ill. Recovery of organic acids with an amine solvent. 2,568,093, Sept. 18.

Smith, John B., Birmingham, Ala. Gasoline valve flow control. 2,568,257, Sept. 18.

Smith, Mitchell: *See*—
McIntosh, Donald J., and Smith.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Automatic flow regulator. 2,568,519, Sept. 18.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Eccentric type faucet. 2,568,520, Sept. 18.

Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey: *See*—
Touvay, Robert G. R.

Societe anonyme dite Centre d'Etudes M. B. A. (Mecanique Balistique Armement), assignee: *See*—
Gourdon, Robert.

Société des Papiers et Cartons Couchés "Lux," assignee: *See*—
Martinet, Noël.

Societe Lecarbone-Lorraine, assignee: *See*—
Oswald, Marcel.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Summers, Gerald C.

Sokolik, Edward, New Brighton, Minn. Surgical therapeutic appliance. 2,568,566, Sept. 18.

Solo Products Corporation, assignee: *See*—
Feyrer, William F., and Solomon.

Solomon, Nathan L.: *See*—
Feyrer, William F., and Solomon.

Špaček, Antonín, Prague-Branik, assignor of one-half to Tesla National Corporation, Prague, Czechoslovakia. Phase modulated signaling system and method. 2,568,132, Sept. 18.

Spagnoli, Paul, San Francisco, Calif. Mattress and making same. 2,568,258, Sept. 18.

Spagnoli, Paul, San Francisco, Calif. Ventilator and pinning flap for mattresses. 2,568,259, Sept. 18.

Spagnoli, Paul, San Francisco, Calif. Machine for wrapping coverings around articles. 2,568,260, Sept. 18.

Spangler, Charles O., assignee: *See*—
Little, George N.

Spangler, J. Leo, assignee: *See*—
Little, George N.

Spannuth, Hiram T., Chicago, Ill., assignor to Wilson & Co., Inc. Ice cream and making the same. 2,568,666, Sept. 18.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Electric iron. 2,567,975, Sept. 18.

Sparks, Cedric H., London, England, assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Attemperator regulating the temperature of superheated vapor. 2,568,567, Sept. 18.

Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,568,172, Sept. 18.

Sperling, Jacob G.: *See*—
Kass, Sholom, and Sperling.

Sperry Corporation, The, assignee: *See*—
Brannin, Richard S., Halpert, and Jude.
Lane, Arthur W.

Spicher, Robert W., Havre, Mont. Surgical piercing device. 2,568,207, Sept. 18.

Spinasse, Arthur E., deceased, and W. H. Pumphrey, Sr., Mount Vernon, Ohio; H. Cornell, administrator of said A. E. Spinasse. Induction motor and operation. 2,567,976, Sept. 18.

Spivack, Theodore D., Stratford, Conn. Aspirating hypodermic syringe. 2,568,173, Sept. 18.

Staacke, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Conveyer belt support. 2,568,174, Sept. 18.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Control for hydraulic motors. 2,568,030, Sept. 18.

Stade, Albert H., Los Angeles, Calif. Stabilizer for house trailers. 2,568,261, Sept. 18.

Staley, A. E., Manufacturing Company, assignee: *See*—
Parsons, Glenn W.

Stamper, Hamilton A., North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Stylus structure for electrical recorders. 2,568,306, Sept. 18.

Standard Oil Company, assignee: *See*—
Smith, Everet F., and Voorhees.

Standard Oil Development Company, assignee: *See*—
Kearby, Kenneth K.
Munday, John C.

Standard Refrigeration Company, Inc., assignee: *See*—
Goldberg, Herman M.

Standard Ultramarine Company, The, assignee: *See*—
Sullivan, Frederick W., Jr.

Standen, John H., and L. L. Baumgartner, Yonkers, assignors to The B. F. Goodrich Company, New York, N. Y. Thiophenols as selective herbicides. 2,568,031, Sept. 18.

Stanley Works, The, assignee: *See*—
Carroll, John D.

Stanolind Oil and Gas Company, assignee: *See*—
Sharp, Lorld G., and Carmody.
Steitz, Alfred, Jr., and Barnes.

Stansbury, Thomas A., Chicago, Ill. Aircraft navigational aid. 2,568,568, Sept. 18.

Staples, Otis E., assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio. Machine tool. 2,568,067, Sept. 18.

Stauch, Roy, Sr., Portland, Oreg. Floor drain and primer. 2,568,521, Sept. 18.

Stauffer, William R., assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Sponge rubber composition. 2,567,950, Sept. 18.

Steadman, Thomas R.: *See*—
Gresham, Thomas L., and Steadman.

Steen, Carl A., Getinge, Sweden. Electric steam boiler. 2,568,372, Sept. 18.

Steeper, Hugh, Limited, assignee: *See*—
Philpott, William J.

Steers, William F., Livingston, assignor to Best Manufacturing Co., Inc., Irvington, N. J. Cathode-ray tube focusing device of the permanent magnet type. 2,568,668, Sept. 18.

Steinbacher, Beryl H., Williamsport, Pa. Arrowhead assembly. 2,568,417, Sept. 18.

Steitz, Alfred, Jr., and D. K. Barnes, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Separation of mixtures of 1-butanol and methyl n-butyl ketone. 2,568,522, Sept. 18.

Stephan, Bernard, assignee: *See*—
St. Peter, Gayton F.

Stephanoff, Nicholas N., Cynwyd, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Dust collector. 2,568,032, Sept. 18.

Sterling Drug Inc., assignee: *See*—
Petke, Frederick E.
Surrey, Alexander R.

Stewart, John S., Rock Island, Ill., assignor to Abrasive Products, Inc., South Braintree, Mass. Abrading operation and apparatus useful therein. 2,568,096, Sept. 18.

Stewart-Warner Corporation, assignee: *See*—
Allen, George W.
Jacobs, Gerald.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Horticultural composition comprising a polymeric organic polysulfide and a petroleum oil fraction. 2,568,033, Sept. 18.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Horticultural composition comprising polyethylene polysulfide and sulfur or lime-sulfur. 2,568,034, Sept. 18.

Stewart, William D., Yonkers, assignor to The B. F. Goodrich Company, New York, N. Y. Horticultural composition comprising DDT and polyethylene polysulfide. 2,568,035, Sept. 18.

Stewart, William D., Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Plant growth regulant compositions containing haloaryl sulfonyl sulfides. 2,568,036, Sept. 18.

Sturm, Ralph E., Pikesville, and J. R. Cosby, Towson, assignors to Bendix Aviation Corporation, Baltimore, Md. Electric trip circuit. 2,567,977, Sept. 18.

Sullivan, Frederick W., Jr., Madison, N. J., assignor to The Standard Ultramarine Company, Huntington, W. Va. Preparation of copper phthalocyanine. 2,568,569, Sept. 18.

Sullivan, Frederick W., Jr., Madison, N. J., assignor to The Standard Ultramarine Company, Huntington, W. Va. Preparation of metal phthalocyanines. 2,568,570, Sept. 18.

Sullivan, Marie-Jo, assignor to Parke, Davis & Company, Detroit, Mich. Haloacetylamidophenyl-haloacetamidopropandiol. 2,568,571, Sept. 18.

Sullivan, Warren L., assignor to Paragon Revolute Corporation, Rochester, N. Y. Printer and changeable light source therefor. 2,568,097, Sept. 18.

Sulser, John H.: *See*—
Meyerhoff, Albert J., and Sulser.

Summers, Gerald C., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Electronic ammeter. 2,568,689, Sept. 18.

Summers, John D., Randwick, Sydney, New South Wales, Australia. Fluid governor. 2,568,307, Sept. 18.

Sunderhauf, Frederick A., Rutherford, N. J., assignor to Reynolds Metals Company, Richmond, Va. Roofing. 2,568,469, Sept. 18.

Sunstein, David E., Cynwyd, and A. H. Mankin, assignors to Philco Corporation, Philadelphia, Pa. Signal comparator employing secondary emission apparatus. 2,568,098, Sept. 18.

Suozzo, John, North Arlington, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Elevator system having selective operating modes. 2,568,418, Sept. 18.

Surface Combustion Corporation, assignee: *See*—
Milbourne, Charles G.

Surrey, Alexander R., Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Tertiary-aminoalkyl esters and amides of 4-quinolylmercaptoalkanoic acids and their preparation. 2,568,037, Sept. 18.

Sweet, Bert B., Akron, Ohio. Apparatus for manufacturing clothespins. 2,568,373, Sept. 18.

Swern, Daniel: *See*—
Findley, Thomas W., and Swern.

Swisher, Joseph R., Jr.: *See*—
Swisher, Joseph R., Sr., and J. R., Jr.

Swisher, Joseph R., Sr., and J. R., Jr., Decatur, Ill. Building construction. 2,568,133, Sept. 18.

Syntron Company, assignee: *See*—
Gilbert, Walter J.

Tashnek, Roy, assignee: *See*—
Haufrect, Fred.

Taylor, John W., Jr., and W. S. Parnell, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse generating circuits. 2,568,419, Sept. 18.

Taylor, Philander B., Larchmont, assignor to Cosmos Dental Products, Inc., New York, N. Y. Preparing plastic molding compositions. 2,567,978, Sept. 18.

Taylor, Philander B., Larchmont, assignor to Cosmos Dental Products, Inc., New York, N. Y. Dental impression compositions. 2,567,979, Sept. 18.

Teletype Corporation, assignee: *See*—
Nilson, Arthur N., Thienemann, and Zenner.
Zenner, Walter J.

Tennant, Albert S.: *See*—
Myers, William R., and Tennant.

Tennessee Coal, Iron and Railroad Company, assignee: *See*—
Watson, Charles T.

Tennessee Valley Authority, United States of America as represented by the, assignee: *See*—
Saeman, Walter C.

Tesla National Corporation, assignee: *See*—
Špaček, Antonín.

Tharpe, Rollin B., Garrett, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Washing machine transmission. 2,568,134, Sept. 18.

Theuerer, Henry C.: *See*—
Scaff, Jack H., and Theuerer.

Thienemann, Rolf A.: *See*—
Nilson, Arthur N., Thienemann, and Zenner.

Thomas, Arthur, Wallington, assignor to Powers-Samas Accounting Machines Limited, London, England. Zeroizing mechanism. 2,568,523, Sept. 18.

Thomas & Betts Co., The, assignee: *See*—
Clapp, Jerome B.

Thomas, Islyn, assignor to Thomas Manufacturing Corp., Newark, N. J. Toy axle and wheel assembly. 2,568,374, Sept. 18.

Thomas Manufacturing Corp., assignee: *See*—
Thomas, Islyn.

Thompson Tool Company, assignee: *See*—
Corder, Ishmael W.

Thomson, William R., Ottawa, Ontario, Canada. Filter apparatus. 2,568,420, Sept. 18.

Tillman, Lambert J., Toledo, Ohio. Door mechanism for railway cars. 2,568,038, Sept. 18.

Time Saver Tool Co.: *See*—
Nichols, John R.

Tinnerman Products, Inc., assignee: *See*—
Hartman, Richard A.

Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Progressive arc quencher. 2,568,470, Sept. 18.

Torell, Theodore, Missoula, Mont. Diesel engine exhaust blower. 2,568,039, Sept. 18.

Torsch, Charles E., and J. B. Coullard, North Syracuse, N. Y., assignors to General Electric Company. Electromagnetic scanning system. 2,568,471, Sept. 18.

Totheroh, Charles F., Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inflatable covering for surfaces. 2,568,669, Sept. 18.

Toulon, Pierre M. G., Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y. Signal distribution system. 2,568,375, Sept. 18.

Touvay, Robert G. R., assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Machine for forming conoidal surfaces 2,568,040, Sept. 18.

Townsley, Ralph R., Boston, Mass., assignor to Purdue Research Foundation, Lafayette, Ind. Pulse generator. 2,568,099, Sept. 18.

Traub, Milton, and J. A. Nyer, Brooklyn, N. Y. Adjustable shoulder strap for undergarments. 2,568,670, Sept. 18.

Trautman, Charles E., Cheswick, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil compositions containing amine salts of acid compounds of boric acid and hydroxy carboxylic acids. 2,568,472, Sept. 18.

Traverso, Louis, Jamaica, N. Y. Window laundry drier. 2,568,598, Sept. 18.

Tremont Tool & Gage Company, The, assignee: *See*—
Mayher, Ernest J.

Tucker Corporation, assignee: *See*—
Tucker, Preston T.

Tucker, Preston T., Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill. Combination internal-combustion engine and accessory. 2,568,473, Sept. 18.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic press circuit having intensifier utilized to decrease pressure and increase volume or vice versa. 2,568,262, Sept. 18.

Tuomy, Justin M., Madison, Wis., and R. L. Slotter, Minneapolis, Minn., assignors to the United States of America as represented by the Secretary of Agriculture. Drying wet wheat gluten. 2,567,980, Sept. 18.

Ullrich, Sue M., Tuckahoe, N. Y. Brassière. 2,568,175, Sept. 18.

Underwood Corporation, assignee: *See*—
Helmond, William F.
Moore, Walter R.
Yaeger, Harry C.

Unick, Henry F.: *See*—
Cremer, Frederick, and Unick.

Union Asbestos & Rubber Company, assignee: *See*—
Cremer, Frederick, and Unick.

Union Carbide and Carbon Corporation, assignee: *See*—
Phillips, Benjamin, Jr.

Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.
James, Ivor J.

United Aircraft Corporation, assignee: *See*—
Gluhareff, Michael E.

United Shoe Machinery Corporation, assignee: *See*—
Gulbrandsen, Helge.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Evans, Quentin J.
Krantz, Karl W.
Miller, William T.
Rosen, Raphael.

United States Envelope Company, assignee: *See*—
Heywood, Vincent E.

United States Rubber Company, assignee: *See*—
Bethe, Eugene J.
Meyer, Robert J.

Universal Oil Products Company, assignee: *See*—
Wackher, Richard C., and Linn.

Upjohn Company, The, assignee: *See*—
Petering, Harold G., and Schmitt.

Vanderleck, James M., Toronto, Ontario, Canada, assignor to Sangamo Electric Company, Springfield, Ill. Vibrating reed type direct-current motor. 2,568,100, Sept. 18.

Vandervell Products Limited, assignee: *See*—
Green, David F., Mallet, and Briscoe.

Van Outrive, Charles F., Chicago, Ill. Garbage receptacle. 2,568,041, Sept. 18.

Van Sciver, Earl T., assignee: *See*—
Van Sciver, Edwin P.

Van Sciver, Edwin P., Philadelphia, assignor of one-third to E. T. Van Sciver, Glenside, and one-third to W. J. Van Sciver, Wynnewood, Pa. Automatic water heater for beverages. 2,568,474, Sept. 18.

Van Sciver, Wesley J., assignee: *See*—
Van Sciver, Edwin P.

Van Staagen, Eleanor R., Mount Vernon, N. Y. Apron. 2,568,421 Sept. 18.

Van Tassell, Raymond D.: *See*—
Baker, Harold L., and Van Tassell.

Van Zee, Harry, Oskaloosa, Iowa. Mulcher attachment for plows. 2,568,572, Sept. 18.

Vass, Eric B.: *See*—
Brailsford, Joseph D., and Vass.

Vaughan, Guy G., Norwalk, Ohio. Toy para-rocket. 2,568,475, Sept. 18.

Vaughn, Thomas H.: *See*—
Hill, Eugene F., Smith, and Vaughn.

Verderber, Joseph, Cleveland, Ohio. Precision measuring device. 2,568,524, Sept. 18.

Vernon, George W.: *See*—
Cornman, Guy L., G. L., Jr., and Vernon.

Victaulic Company of America, assignee: *See*—
Frost, Raymond B.

Victor Adding Machine Co., assignee: *See*—
Mehan, Thomas O.

Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism. 2,568,135, Sept. 18.

Vistain, James E., Jr., asignor to Admiral Corporation, Chicago, Ill. Pickup arm. 2,568,671, Sept. 18.

Vltavský, Vladimír, Prague, Czechoslovakia. Hydraulic press. 2,568,042, Sept. 18.

Von Fraunhofer, Hans, Finchley, London, and H. E. Coote, London, England. Color photography. 2,568,208, Sept. 18.

Voorhees, Vanderveer: *See*—
Smith, Everet F., and Voorhees.

Voss, John H., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic all-relay telephone system. 2,568,101, Sept. 18.

Vriens, Gerard N., and W. E. Sisco, Somerville, and E. C. Medcalf, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Recovery of dinitrile solvents. 2,568,176, Sept. 18.

Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,568,177, Sept. 18.

Vroom, Kenneth E.: *See*—
O'Brien, Joseph F., Cataldo, and Vroom.

Wackher, Richard C., La Grange, and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Oxygen-BF_3-hydrocarbon complex catalyst. 2,568,209, Sept. 18.

Waddington, Ralph H., and A. G. Welblund, Sudbury, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y. Gas hood for casting machines. 2,568,525, Sept. 18.

Wagner, E. R., Manufacturing Company, assignee: *See*—
Wagner, Robert S.

Wagner, Robert S., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis. Barbed fastening prong. 2,568,043, Sept. 18.

Wald, Sidney, Philadelphia, Pa., assignor to Radio Corporation of America. Fluid expansion device for electrical apparatus. 2,568,422, Sept. 18.

Waldes-Koh-I-Noor, Inc., assignee: *See*—
Schaaff, Louis W.

Walker, Elmo G., Odessa, Tex. Well drill bit. 2,568,573, Sept. 18.

Walker, Eugene J., and M. Bingenheimer, Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,568,423, Sept. 18.

Walkup, Lewis E.: *See*—
Frank, Arvel O., and Walkup.

Wallen, George R., assignor to Anemostat Corporation of America, New York, N. Y. Air delivery device for ventilating apparatus. 2,568,044, Sept. 18.

War, United States of America as represented by the Secretary of, assignee: *See*—
Kaas, Sholom, and Sperling.
Witzky, Julius E., Lang, and Jakob.

Waring, Robert W., Fairfield, Conn. Dispenser for hygroscopic materials. 2,568,526, Sept. 18.

Warner & Swasey Company, The, assignee: *See*—
Bechberger, Earl H.
Winchell, Sterling F.

Warren, James W., Lynbrook, N. Y., assignor to American Machine & Foundry Company. Cigarette machine tongue and manufacture thereof. 2,568,690, Sept. 18.

Warrick, Earl L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Methyl siloxane rubber. 2,568,672, Sept. 18.

Washburn, Neil E., assignor to Admiral Corporation, Chicago, Ill. Resistance-type phonograph pickup. 2,568,673, Sept. 18.

Watson, Charles T., Bessemer, Ala., asignor to Tennessee Coal, Iron and Railroad Company. Coating composition for protecting metal surfaces from corrosion. 2,568,424, Sept. 18.

Weego, George W., Clemson, S. C. Measuring device. 2,567,981, Sept. 18.

Weeks, Robert W., and R. L. Black, West Chester, Pa.; said Black assignor to said Weeks. Towing device. 2,568,425, Sept. 18.

Weidlich, William A., North Plainfield, and J. E. Davis, Bound Brook, N. J., assignors to Interchemical Corporation, New York, N. Y. Flatting agents. 2,568,599, Sept. 18.

Weimer, William H., North Prairie, Wis., assignor to Air Diesel Engine Corporation, Jackson, Mich. Engine starter. 2,568,136, Sept. 18.

Weirich, Henry: *See*—
Weirich, William F., and H.

Weirich, William F., Philadelphia, and H. Weirich, Lenni, Pa. Cutout switch for motors. 2,568,476, Sept. 18.

Weisert, Ray H., Redland, Calif. Grass catching attachment for lawn mowers. 2,568,045, Sept. 18.

Weiss, Howard, Richmond Hill, N. Y. Utility board and retaining frame for automobiles. 2,568,102, Sept. 18.

Weiss, Nathan M., Compton, assignor to Cali-Quilt Furniture Mfg. Co., Lynwood, Calif. Furniture construction. 2,568,527, Sept. 18.

Welblund, Albert G.: *See*—
Waddington, Ralph H., and Welblund.

Wells, Alton R., assignee: *See*—
Dales, George F.

Wells, William S., Palo Alto, Calif. asignor to Daisy Manufacturing Company, Plymouth, Mich. Cocking mechanism for pneumatic guns. 2,568,308, Sept. 18.

Welte, Benedict, Lake Orion Township, Oakland County, assignor to Colonial Broach Company, Detroit, Mich. Valve and hydraulic circuit therefor. 2,568,528, Sept. 18.

Werts, Richard A., Wilmington, Calif. Automatic bleeder for water and oil separation. 2,568,309, Sept. 18.

West, Charles A., Southbridge, Mass. Sensitivity improver for temperature controllers. 2,568,574, Sept. 18.

Western Electric Company, Incorporated, assignee: *See*—
Hermann, Norman T.
Meyerhoff, Albert J., and Sulzer.

Westinghouse Air Brake Company, assignee: *See*—
May, Harry C., and Hewitt.

Westinghouse Electric Corporation, assignee: *See*—
Browne, Thomas E., Jr.
Diamond, Hymen.
Geiselman, Ralph A.
Lynn, Lawrence B.
Lynn, Lawrence B., and Hanna.
Miller, Theadore.
Packer, Lewis C., and Monchamp.
Pattison, Donald R., Lambert, and Phillips.
Rambo, Sheldon I.
Reed, James L.
Scheer, Frederick H., and Winfield.
Suozzo, John.
Taylor, John W., Jr., and Parnell.
Walker, Eugene J., and Bingenheimer.

Westlund, Jesse V., Daytona Beach, Fla. Door check. 2,568,477, Sept. 18.

Wheeler, C. H., Manufacturing Company, assignee: *See*—
Stephanoff, Nicholas N.

Whetstone, Richard R., Orinda, W. J. Raab, Berkeley, and S. A. Ballard, Orinda, assignors to Shell Development Company, San Francisco, Calif. Condensation products from polyethylenic-unsaturated aldehyde adducts, derivatives thereof, and producing the same. 2,568,426. Sept. 18.

Whiffen, Richard E., assignor to Bendix Aviation Corporation, Towson, Md. Inductance coil structure. 2,568,310. Sept. 18.

Whitney, Joseph W., Conway, Pa. Radio tube extractor. 2,568,210, Sept. 18.

Wickman, Lester F., Oakland, Calif. Magnetic T square and drafting board. 2,568,575, Sept. 18.

Widder, J., & Co., assignee: *See*—
Widder, Samuel.

Widder, Samuel, assignor to J. Widder & Co., New York, N. Y. Adjustable photograph mount. 2,568,178, Sept. 18.

Wieder, Alice E., Los Angeles, Calif. Coat hanger. 2,568,674, Sept. 18.

Wiegert, Wallace A.: *See*—
Dunham, Edward W., and Wiegert.

Wiggins, John H., Chicago, Ill. Side wall seal for floating tank roofs. 2,568,529, Sept. 18.

Wiken, Christy A., Milwaukee, Wis., assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa. Machine tool. 2,567,982, Sept. 18.

Wildman, Verne, assignor to The American Welding & Manufacturing Company, Warren, Ohio. Adjustable and yieldable male bending die. 2,568,691, Sept. 18.

Wilkinson-Gresh, Inc., assignee: *See*—
Wilkinson, Theodore R.

Wilkinson, Theodore R., assignor to Wilkinson-Gresh, Inc., St. Petersburg, Fla. Shelf for vehicle bodies. 2,568,046, Sept. 18.

Willison, Donald, Willoughby, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Journal box end thrust means. 2,568,530, Sept. 18.

Willmore, Charles B., assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum base alloys. 2,568,179, Sept. 18.

Willmore, Charles B., North Aurora, assignor to William F. Jobbins, Incorporated, Aurora, Ill. Aluminum base alloys. 2,568,180, Sept. 18.

Wilson & Co., Inc., assignee: *See*—
Spannuth, Hiram T.

Wilson-Jones Co., assignee: *See*—
Segal, Samuel.

Winchell, Sterling F., East Cleveland, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,568,675, Sept. 18.

Winfield, William S.: *See*—
Scheer, Frederick H., and Winfield.

Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.

Winthrop-Stearns Inc., assignee: *See*—
King, John A., and McMillan.

Wirk, Adolf, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Low-ohmic electrical resistance. 2,568,600, Sept. 18.

Wise, David L., Watsonville, and A. R. King, Salinas, Calif. Safety device for hydraulic brakes. 2,568,311, Sept. 18.

Wiseman, William M., Henrietta, Tex. Combination wrench and elevator. 2,568,263, Sept. 18.

Witzky, Julius E., Stuttgart-Cannstatt, and W. S. Lang and R. J. Jakob, Wendlingen-Neckar, Germany, assignors to the United States of America as represented by the Secretary of War. Counterbalanced crankshaft for internal-combustion engines. 2,568,576, Sept. 18.

Woelke, Dick, Edna, Kans. Combined mounting for ironing boards and irons. 2,568,211, Sept. 18.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car coupler. 2,568,312, Sept. 18.

Wolowitz, William H., Washington, D. C. Stamp carrier card. 2,568,427, Sept. 18.

Wood Electro Process Company, assignee: *See*—
Wood, Harold P.

Wood, Harold P., North Berwick, assignor to Wood Electro Process Company, South Berwick, Maine. Drying lumber. 2,567,983, Sept. 18.

Wood, Louvan E., Glen Arm, assignor to Bendix Aviation Corporation, Baltimore, Md. Apparatus for shipboard wind measurement. 2,567,984, Sept. 18.

Wood, Richard J., assignee: *See*—
Cullen, Ernest E.

Woodward Governor Company, assignee: *See*—
Drake, George F.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.

Woolf, James W., Franklin, and J. D. Russell, Victory Heights, assignors to Joy Manufacturing Company, Pittsburgh, Pa. Mechanical interlock. 2,568,103, Sept. 18.

Woolhouse, Thomas G., Saltburn-by-the-Sea, and W. Lunn, Redcar, England. Manufacture of resins from aldehydes and aromatic hydrocarbons. 2,568,313, Sept. 18.

Worthington Pump and Machinery Corporation, assignee: *See*—
Mockridge, Chester R.

Wragge, William B., Stockport, assignor to executors of James Mills, Limited, Woodley, near Stockport, England. Fastening for securing railway rails to metal sleepers. 2,568,376, Sept. 18.

Wright Machinery Company, assignee: *See*
Buckley, Charles W., and Bailey.

Wyandotte Chemicals Corporation, assignee: *See*
Hill, Eugene F., Smith, and Vaughn.

Wyeth Incorporated, assignee: *See*—
Bruce, William F., and Seifter.

Yaeger, Harry C., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Silencing pad. 2,568,531, Sept. 18.

Yellen, David, and S. Moskowitz, New York, N. Y. Rivet holder. 2,568,676, Sept. 18.

Young, L. A., Spring & Wire Company, assignee: *See*
Clark, William A.

Young, Marshall B., assignor to Floor-O-Matic, Inc., New York, N. Y. Portable steam generator and steam iron. 2,568,104, Sept. 18.

Zagata, Christine L., Hawthorne, N. J. Shoulder frame. 2,568,105, Sept. 18.

Zajic, Vladislav, assignor of one-half to Czechoslovak Metal & Engineering Works, National Corporation, Prague, Czechoslovakia. Magnetic switch. 2,568,377, Sept. 18.

Zemel, Sylvan, Newark, N. J. Turnstile checking device. 2,568,378, Sept. 18.

Zenith Radio Corporation, assignee: *See*—
Adler, Robert.
Prentiss, John G.
Raczynski, Chester E.

Zenner, Walter J.: *See*—
Nilson, Arthur N., Thienemann, and Zenner.

Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Telegraphic selecting apparatus. 2,568,264, Sept. 18.

Zierden, Frank P., Cudahy, Wis. Hose storage device. 2,568,532, Sept. 18.

Zimmerman, Robert M., Providence, and W. V. Kennedy, Central Falls, R. I., assignors to Fram Corporation. Quickly removable filter casing cover. 2,568,181, Sept. 18.

Zumski, Edward, assignor to Ekco Products Company, Chicago, Ill. Can opener. 2,568,106, Sept. 18.

LIST OF PLANT INVENTIONS

Eugenia plant. J. S. Armstrong. 1,037, Sept. 18.
Rose plant. W. Kordes. 1,036, Sept. 18.
Rose plant. H. A. M. Verschuren. 1,038, Sept. 18.

LIST OF DESIGN INVENTIONS

Bed, Sofa. H. B. Fouts. 164,563, Sept. 18.
Blouse or the like. S. Elias. 164,559, Sept. 18.
Board, Illuminating clip. C. E. Warnell. 164,615, Sept. 18.
Book. J. L. Murphy. 164,591, Sept. 18.
Bracelet or similar article. M. Chernow. 164,550, Sept. 18.
Cabinet for popcorn, Storage. S. M. Waas. 164,612, Sept. 18.
Calendar, Perpetual. A. B. Downs, Jr. 164,557, Sept. 18.
Card game playing device or similar article. T. Romanchek. 164,605, Sept. 18.
Card, Three-dimensional decorative greeting. S. Robins. 164,604, Sept. 18.
Case, Spectacle. R. J. Marks. 164,587, Sept. 18.
Chain for a bracelet or the like. M. Moss. 164,588, Sept. 18.
Chair, Power-driven wheel. S. E. Beach. 164,545, Sept. 18.
Clock. J. F. Punzak. 164,602, Sept. 18.
Clock and desk unit, Combined. M. Weiner. 164,616, Sept. 18.
Clockcase. C. Otto. 164,594, Sept. 18.
Coaster. A. H. Happe. 164,572, Sept. 18.
Container or similar article, Display. M. Friedman. 164,566, Sept. 18.
Desk. E. C. Koegel. 164,584, Sept. 18.
Desk set support. M. M. Davis. 164,555, Sept. 18.
Dial or similar article, Watch. K. Plepis. 164,601, Sept. 18.
Dispenser, Adhesive tape. W. H. Donkin. 164,556, Sept. 18.
Dresser or similar article. D. A. Wallance and D. Bendersky. 164,614, Sept. 18.
Escutcheon for door locks. E. L. Schlage. 164,606, Sept. 18.
Faucet for garden hose or the like. C. R. Lindberg. 164,586, Sept. 18.
Feeder, Time controlled pet. F. A. Hedwall. 164,576, Sept. 18.
Feeder, Timed automatic pet. F. J. Mulhern. 164,590, Sept. 18.
Flash gun, Photographic. C. E. Nerpel. 164,593, Sept. 18.
Flower, pot, and plant stem ornament, Combined artificial. G. W. Ellison. 164,560, Sept. 18.
Frame, Picture. J. A. Grosso. 164,569, Sept. 18.
Fryer, Deep fat. N. Houbolt. 164,581, Sept. 18.
Globe, Lighting fixture. K. Franck. 164,564, Sept. 18.
Goblet. H. A. Yuchtmann. 164,618, Sept. 18.
Golf club conveyance. F. S. Grover, P. A. Brandmeier, and J. E. Brice. 164,570, Sept. 18.
Golf club head. T. Penna. 164,596–7, Sept. 18.
Heater, Electric space. E. C. Wahlberg and J. J. Moughty. 164,613, Sept. 18.
Holder, Advertising magnetic pencil. M. B. Blish. 164,548, Sept. 18.
Holder, Towel. C. V. Hoffman. 164,580, Sept. 18.
Hose reel or the like. N. Becker. 164,546, Sept. 18.
Indicator, Direction. L. Gosselin. 164,567, Sept. 18.
Lamp base. M. S. Hayden. 164,573–4, Sept. 18.
Leather or similar article. A. Q. Freedman. 164,565, Sept. 18.
Magnifier, Reading. E. C. Heard. 164,575, Sept. 18.
Massage device. J. M. Easley. 164,558, Sept. 18.
Napkin or the like, Embossed paper. W. F. Erisman. 164,561, Sept. 18.
Napkin or the like, Embossed paper. R. Gould. 164,568, Sept. 18.
Napkin or the like, Embossed paper. M. Housen. 164,582, Sept. 18.
Overshoe, Rubber. S. Suender and E. Gottschalk. 164,610, Sept. 18.
Pair of spectacles or the like. C. A. Baratelli. 164,544, Sept. 18.
Paper. E. Phelps. 164,599, Sept. 18.
Parking meter casing. G. A. Hale. 164,571, Sept. 18.
Purse, Belt. M. Tenzer. 164,611, Sept. 18.
Rack, Magazine. W. C. Becker. 164,547, Sept. 18.
Register carriage cover for a calculating machine. C. K. Studley, Jr. 164,609, Sept. 18.
Sign, Advertising. L. E. Peters. 164,598, Sept. 18.
Spectacles or similar article, Pair of rimless. L. W. Myers and A. L. Anderson. 164,592, Sept. 18.
Stand, Automatic pressure cooker. D. E. Dailey. 164,554, Sept. 18.
Stand, Christmas tree. J. A. Sparenga. 164,608, Sept. 18.
Stand, Display. R. L. Henderson. 164,577, Sept. 18.
Stocking. B. F. Playford. 164,600, Sept. 18.
Stocking. I. Rabinowitz. 164,603, Sept. 18.
Stocking, Woman's. M. B. Mueller and S. Shapiro. 164,589, Sept. 16.
Strip of electrical insulating material. G. E. Henning. 164,578, Sept. 18.
Table. P. C. Curtis. 164,552, Sept. 18.
Table or similar article, Vanity. E. Herrmann. 164,579, Sept. 18.
Tenderizing machine, Meat. S. Bakewell. 164,543. Sept. 18.
Tendon protector or similar article. G. Owen, Jr., and J. A. Rubico. 164,595, Sept. 18.
Tire. C. C. Custer. 164,553, Sept. 18.
Toy, Caterpillar pull. J. F. Brice. 164,549, Sept. 18.
Toy, Educational. B. F. Jay and M. Feintuch. 164,583, Sept. 18.
Tray, Food. E. S. Connell, Jr. 164,551, Sept. 18.
Trophy, Cub Scout. H. Weltlauf. 164,617, Sept. 18.
Vaporizer, Insecticide. F. C. Leitch, L. M. Kissner, J. E. Leitch, and C. C. Chapel. 164,585, Sept. 18.
Wall panel or similar article. H. C. Soehner. 164,607, Sept. 18.
Wall plaque for salt and pepper shakers. T. L. Feinberg. 164,562, Sept. 18.

LIST OF INVENTIONS
FOR WHICH
PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading operation and apparatus useful therein. J. S. Stewart. 2,568,096, Sept. 18.
Abrasive salvaging apparatus. L. M. Gilbert and C. G. Derr. 2,568,063, Sept. 18.
Absorbent glass container. H. A. Hamm. 2,568,623, Sept. 18.
Accelerator control device. S. N. Laverents. 2,568,454, Sept. 18.
Accelerator controlling device. C. J. Bianca, Sr. 2,568,481, Sept. 18.
Actuator for hydraulic valves, Fluid pressure-operated. H. M. Purcell. 2,568,254, Sept. 18.
Adapter saddle for vehicle hoist. S. A. and V. J. Campagna. 2,568,271–2, Sept. 18.
Adhering metal foil to non-metallic carrying webs. R. S. Reynolds. 2,568,463, Sept. 18.
Adjustable and yieldable male bending die. V. Wildman. 2,568,691, Sept. 18.
Adjustable comparator. J. C. Nilsson. 2,568,358, Sept. 18.
Adjustable shoulder strap for undergarments. M. Traub and J. A. Nyer. 2,568,670, Sept. 18.
Aircraft launching apparatus. A. G. Liebmann. 2,567,954, Sept. 18.
Aircraft navigational aid. T. A. Stansbury. 2,568,568, Sept. 18.
Aircraft structure and interconnected damping device, Rotary wing. J. A. J. Bennett. 2,568,214, Sept. 18.
Aldehyde-amines and preparation thereof. G. H. Coleman. 2,568,579, Sept. 18.
Aligning tool. F. C. Gehrke. 2,568,390, Sept. 18.
Aliphatic orthoformic esters. J. G. Erickson. 2,567,927, Sept. 18.
Alloy and making same, Cast graphitic nickel. G. L. Lee and J. T. Eash. 2,568,013, Sept. 18.
Alloy and making same, Graphitic nickel tin. J. T. Eash and G. L. Lee. 2,568,014, Sept. 18.
Alpha-pinene and vinyl cyclohexene resin. S. G. Burroughs. 2,567,918, Sept. 18.
Aluminum base alloys. C. B. Willmore. 2,568,179–80, Sept. 18.
Amplifier, Displacement or torque. W. L. Hunt and W. D. Macgeorge. 2,568,586, Sept. 18.
Angle cock bracket. C. R. Radey. 2,568,562, Sept. 18.
Animal trap. J. U. Lehn. 2,568,344, Sept. 18.
Annular radiating drum air heating furnace. H. H. Diggins. 2,568,388, Sept. 18.
Antenna, Slotted prismatic. J. E. Pauch. 2,568,560, Sept. 18.
Apparatus for cleaning tanks. W. H. Bell. 2,568,314, Sept. 18.
Apparatus for determining the course of the refractive index of an optically nonhomogenous medium disposed in a cell, particularly an electrophoresis cell. H. Labhart. 2,568,589, Sept. 18.
Apparatus for drawing wire. A. H. Rosenthal. 2,568,303, Sept. 18.
Apparatus for dry-cleaning and degreasing of fibrous material. M. T. Hoffman. 2,567,938, Sept. 18.
Apparatus for filling and ramming foundry flasks. A. S. Beech. 2,568,536, Sept. 18.
Apparatus for handling mixed concrete. E. D. Alessio. 2,568,678, Sept. 18.
Apparatus for logging. P. W. Martin. 2,568,241, Sept. 18.
Apparatus for making sponge rubber. E. B. Lewis. 2,567,949, Sept. 18.
Apparatus for manufacturing clothespins. B. B. Sweet. 2,568,373, Sept. 18.
Apparatus for mingling solids and fluids to treat one with the other. W. J. Rowe. 2,568,661, Sept. 18.
Apparatus for producing waves in fluid media. F. W. Crawford and J. S. Kirby-Smith. 2,568,186, Sept. 18.
Apparatus for shipboard wind measurement. L. E. Wood. 2,567,984, Sept. 18.
Apparatus for stringing tag blanks. G. L. Cornman, G. L. Cornman, Jr., and G. W. Vernon. 2,567,991, Sept. 18.
Applicator, Dental sponge. M. J. Bump. 2,568,317, Sept. 18.
Applicator, Nail polish. J. Elby. 2,568,328, Sept. 18.
Applying liquids to textile fibers, Method and apparatus for. R. S. Hood. 2,568,499, Sept. 18.
Applying protective coatings of mica to solid surfaces. M. D. Heyman. 2,568,004, Sept. 18.
Apron. E. R. Van Staagen. 2,568,421, Sept. 18.
Arrowhead assembly. B. H. Steinbacher. 2,568,417, Sept. 18.
Article of furniture and bed, Combination. J. Rosen. 2,568,366, Sept. 18.
Artificial hand. W. J. Philpott. 2,568,298–9, Sept. 18.
Artificial leg (thigh muscle knee lock control). J. G. Catrania. 2,568,051, Sept. 18.
Artificial limb. W. J. Philpott. 2,568,297, Sept. 18.
Aryl-glycinedialkylamides. W. F. Bruce and J. Seifter. 2,568,142, Sept. 18.
Arylthioalkanoamides and their preparation. J. A. King and F. H. McMillan. 2,568,011, Sept. 18.
Asbestos and producing same, Free filtering. W. M. Perry. 2,568,023, Sept. 18.
Ash receiver. A. T. Hagerty and Y. W. Ehret. 2,568,151, Sept. 18.
Assembling apparatus. C. A. Nichols, L. E. Poole, D. G. Mahoney, and M. D. McShurley. 2,568,248, Sept. 18.
Assembly of shells of containers. A. F. Reilly and F. Gengenbach. 2,568,512, Sept. 18.
Atomizer with means for concealing plungers and nozzles. W. A. Cotter. 2,568,057, Sept. 18.
Attemperator regulating the temperature of superheated vapor. C. H. Sparks. 2,568,567, Sept. 18.
Automatic flow regulator. T. R. Smith. 2,568,519, Sept. 18.
Automatic registration of component color images. A. N. Goldsmith. 2,568,543, Sept. 18.
Automobile hubcap cover. J. Casabianca. 2,568,430. Sept. 18.
Awning. C. J. Freeth. 2,568,679, Sept. 18.
Awning, Contractible. E. N. Arnold. 2,568,048, Sept. 18.
Bag: *See*—
Garment bag.
Bait holder. W. F. Anderson. 2,568,602, Sept. 18.
Balanced mixer. H. J. Riblet. 2,568,090, Sept. 18.
Ballast remover. R. Kershaw. 2,568,156, Sept. 18.
Batch for refractory masses and consolidating. F. E. Lathe. 2,568,237, Sept. 18.
Bed, Folding. F. A. Hoeft. 2,568,546, Sept. 18.
Bell and making same. B. J. Frankel and I. Cohen. 2,568,190, Sept. 18.
Beta-acyloxy carboxylic acids and anhydrides, Preparation of. J. E. Jansen. 2,568,634, Sept. 18.
Beta-hydroxy monocarboxylic acid esters, Preparation of. J. T. Gregory. 2,568,619, Sept. 18.
Binder, Loose-leaf. M. W. Federbush. 2,568,227, Sept. 18.
Bit: *See*—
Well drill bit.
Bleeder for water and oil separation, Automatic. R. A. Werts. 2,568,300, Sept. 18.
Blower, Diesel engine exhaust. T. Torell. 2,568,039, Sept. 18.
Blowing articles of rubber, etc. H. B. Morris. 2,568,128, Sept. 18.
Blowing of articles. H. B. Morris. 2,568,129, Sept. 18.
Board: *See*—
Chair back supported folding ironing board.
Board and making same, Corrugated. R. C. McKee. 2,568,349, Sept. 18.
Board for demonstrating electric circuits. C. E. Ballard. 2,568,535, Sept. 18.
Bobbin releaser for weft replenishing mechanism. W. A. Blanchard. 2,568,607, Sept. 18.
Boiler: *See*—
Electric steam boiler.
Bolt, Self-locking. J. H. Kindelberger. 2,568,640. Sept. 18.
Bottle carrier. L. Faria. 2,568,436, Sept. 18.
Bottle container. D. A. Seaver. 2,568,371, Sept. 18.
Bowling pins, Making. R. E. Clark. 2,568,274, Sept. 18.
Box: *See*—
One-piece lined box. Vanity box.
Pad box.
Box end thrust means, Journal. D. Willison. 2,568,530. Sept. 18.
Bracket: *See*—
Angle cock bracket. Mounting bracket.
Bracket for Venetian blinds. P. J. Harris. 2,568,001, Sept. 18.
Brake for printing press ductor rolls. K. Kummerlen. 2,568,343, Sept. 18.
Brassière. S. M. Ulirich. 2,568,175, Sept. 18.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,568,115–17, Sept. 18.
Bucket, Live bait. W. Comello. 2,568,221, Sept. 18.
Building construction. J. R. Swisher, Sr., and J. R. Swisher, Jr. 2,568,133, Sept. 18.

Burner: *See*—
Wick type removable oil burner.
Button, Color-reflecting plastic. W. Backman. 2,568,212, Sept. 18.
Cabinet: *See*—
Phonograph record cabinet. Thermotest cabinet.
Calendar mounts, Making. G. E. Nichols. 2,568,438, Sept. 18.
Camera, Contact screen halftone. J. D. Maxwell. 2,568,505, Sept. 18.
Camphene and vinyl cyclohexene resin, Making. S. G. Burroughs. 2,568,217, Sept. 18.
Cap fastener for excavating bucket digging teeth. E. L. Launder. 2,568,075, Sept. 18.
Carbon disulfide, Preparation of. H. O. Folkins, C. A. Porter, E. Miller, and H. Hennig. 2,568,121, Sept. 18.
Carbon rod jack. H. A. Johnson. 2,568,194, Sept. 18.
Card, Stamp carrier. W. H. Wolowitz. 2,568,427 Sept. 18.
Carriage retarding device. W. F. Helmond. 2,568,497, Sept. 18.
Carriage return mechanism for typewriting and like machines, Power-operated. H. J. Hart. 2,567,937, Sept. 18.
Carrier: *See*—
Bottle carrier.
Cartridge. R. E. McGahey, Jr. 2,568,078, Sept. 18.
Cartridge. R. E. McGahey, Jr. 2,568,080, Sept. 18.
Cartridge chute for machine guns, Expended clip. A. W. Gardes. 2,568,229, Sept. 18.
Case: *See*—
Lipstick case.
Casts and for making shoes therefrom, Making. A. E. Murray. 2,568,292, Sept. 18.
Catalyst gel beads by emulsifying, Preparation of. W. O. Milligan. 2,568,352, Sept. 18.
Cathode-ray tube commutator system. W. D. Houghton. 2,568,336, Sept. 18.
Centrifugal mill hammer with renewable wearing tip. F. J. Loufek. 2,568,077, Sept. 18.
Chain structure. D. J. McIntosh, and M. Smith. 2,568,649–51, Sept. 18.
Chair: *See*—
Folding chair.
Chair back supported folding ironing board. G. F. St. Peter. 2,568,686, Sept. 18.
Cheese handling apparatus. R. Miollis. 2,567,957, Sept. 18.
Child restrainer. N. Schoenbrun. 2,568,304, Sept. 18.
Chuck. M. Pedersen. 2,568,088, Sept. 18.
Cigarette machine tongue and manufacture thereof. J. W. Warren. 2,568,690, Sept. 18.
Circuit: *See*—
Electric trip circuit. Television signal mixing circuit.
Key pulsing B operator position circuit.
Circuit breaker. E. J. Walker, and M. Bingenheimer. 2,568,423, Sept. 18.
Circuit breaker having the blast valve arranged at line potential, High-voltage air blast. G. E. Jansson. 2,568,008, Sept. 18.
Circuit breaker retarding mechanism, Automatic. D. C. Hubbard. 2,568,155, Sept. 18.
Circuit having intensifier utilized to decrease pressure and increase volume or vice versa, Hydraulic press. W. R. Tucker. 2,568,262, Sept. 18.
Circuit interrupter. T. E. Browne, Jr. 2,568,381, Sept. 18.
Circuits, Phase comparator. W. J. O'Brien. 2,568,250, Sept. 18.
Circuits, Pulse generating. J. W. Taylor, Jr., and W. S. Parnell. 2,568,419, Sept. 18.
Clamping and spreading fixture, Adjustable. B. C. Hamilton. 2,568,233, Sept. 18.
Clamping device. S. W. Craigie. 2,568,386, Sept. 18.
Clarification. E. M. Kelly and A. M. Kivari. 2,568,452, Sept. 18.
Cleaner: *See*—
Drain line cleaner.
Closure device. R. W. De Lancey. 2,568,387, Sept. 18.
Closure for deferred action batteries, Removable. L. D. Jennings and J. Naymik. 2,568,340, Sept. 18.
Clothes-washing machine with a horizontally reciprocating agitator. G. Fields. 2,568,614, Sept. 18.
Clutch: *See*—
Latch operated clutch.
Clutch mechanism, Positive. M. L. Jeffrey. 2,568,638, Sept. 18.
Coat hanger. A. E. Wieder. 2,568,674, Sept. 18.
Coating composition for protecting metal surfaces from corrosion. C. T. Watson. 2,568,424, Sept. 18.
Coating method and apparatus. W. W. Crouse. 2,568,611, Sept. 18.
Coating paper. W. J. Montgomery. 2,568,288, Sept. 18.
Coaxial line stub support. J. Goldsmith. 2,568,281, Sept. 18.
Cocking mechanism for pneumatic guns. W. S. Wells. 2,568,308, Sept. 18.
Coil, Stamped helical. C. E. Raczynski. 2,568,109, Sept. 18.
Coil support and control, Focus. J. L. Hoellerich. 2,568,631, Sept. 18.
Coil, Switch choke. H. Hartmann. 2,568,003, Sept. 18.
Collector, Dust. N. N. Stephanoff. 2,568,032, Sept. 18.
Color photography. H. Von Fraunhofer and H. E. Coote. 2,568,208, Sept. 18.
Combination internal-combustion engine and accessory. P. T. Tucker. 2,568,473, Sept. 18.
Combination paper-cutting tool. F. Miseta, Jr. 2,568,353, Sept. 18.
Combined line and tripping relay circuit for telephone lines. W. M. Beaumont. 2,568,138, Sept. 18.
Compound drive. T. M. Cone. 2,568,385, Sept. 18.
Condensation products from polyethylenic-unsaturated aldehyde adducts, derivatives thereof, and producing the same. R. R. Whetstone, W. J. Raab, and S. A. Ballard. 2,568,426, Sept. 18.
Condensation products of 4-aminoantipyrine and the chloroethoxy benzaldehydes. G. H. Coleman. 2,568,580, Sept. 18.
Contacting device for moving wires. B. B. Scott. 2,568,466, Sept. 18.
Container: *See*—
Absorbent glass container. Bottler container.
Container. H. C. Reeser. 2,568,204, Sept. 18.
Container holder. C. D. Arnold. 2,568,266, Sept. 18.
Container opener, Combination. E. E. Cullen. 2,568,612, Sept. 18.
Containers, Method and apparatus for making. C. W. Buckley and E. P. Bailey. 2,568,382, Sept. 18.
Continuous dehydration process. I. M. Colbeth. 2,567,925, Sept. 18.
Control device. L. B. Lynn and C. R. Hanna. 2,568,401, Sept. 18.
Control for hydraulic motors. T. F. Stacy. 2,568,030, Sept. 18.
Control means for differential actuators. T. O. Mehan. 2,568,350, Sept. 18.
Control means, Surf board. S. C. Kluttz. 2,568,349, Sept. 18.
Control mechanism for compasses and calipers. G. V. Nolde. 2,568,559, Sept. 18.
Control mechanism, Liquid level. W. M. Mercer. 2,568,506, Sept. 18.
Control valve. J. G. Catranis. 2,568,052, Sept. 18.
Controlled wave energy generator. E. W. Herold. 2,568,395, Sept. 18.
Controller for pneumatic thread removers. C. R. Kronoff. 2,568,643, Sept. 18.
Controller, Pressure. G. V. Nolde. 2,568,086, Sept. 18.
Conveyer and cutting mechanism for wrapping machines. B. Redmond. 2,568,028, Sept. 18.
Conveyer belt support. C. W. Staacke. 2,568,174, Sept. 18.
Conveyer mechanism for disks and the like. E. R. Koppel and W. B. Caldwell. 2,568,073, Sept. 18.
Copolymerization of styrene and unsaturated polyester. V. J. Frilette. 2,568,331, Sept. 18.
Copolymers of an isoolefin and a vinyl cycloolefin. C. I. Parrish. 2,568,656, Sept. 18.
Copper phthalocyanine, Preparation of. F. W. Sullivan, Jr. 2,568,569, Sept. 18.
Corrosion-resistant storage tank. D. C. Bond. 2,568,111, Sept. 18.
Counter, Electronic. S. Hansen. 2,568,449, Sept. 18.
Coupler, Car. H. H. Wolfe. 2,568,312, Sept. 18.
Coupling. A. T. Schelwer. 2,568,516, Sept. 18.
Coupling for pipes or the like, Union type. L. S. Hamer. 2,568,232, Sept. 18.
Cover: *See*—
Automobile hubcap cover. Quickly removable filter casing cover.
Frying pan cover.
Loading dock cover.
Crankshaft for internal-combustion engines, Counterbalanced. J. E. Witzky, W. S. Lang, and R. J. Jakob. 2,568,576, Sept. 18.
Cravat holder. J. W. Ogden. 2,568,511, Sept. 18.
Crib and wardrobe, Combined. G. R. Barrett. 2,567,986, Sept. 18.
Crutch. C. B. Neptune. 2,568,654, Sept. 18.
Crystallization. W. C. Saeman. 2,567,968, Sept. 18.
Crystallization of sodium naphthalene beta sulfonates. A. G. Hill and S. I. Gale. 2,568,154, Sept. 18.
Curler, Hair. W. F. Feyrer, and N. L. Solomon. 2,568,146, Sept. 18.
Current supply apparatus. H. H. Spencer. 2,568,172, Sept. 18.
Curtain hanging means. C. W. Hess. 2,568,498, Sept. 18.
Cushion assembly with auxiliary reinforcing spring. W. A. Clark. 2,568,055, Sept. 18.
Cutting device, Bevel. J. K. M. Harrison. 2,568,284, Sept. 18.
Cylinder for hydraulic automobile brakes, Dual master. B. H. Christopher, Jr. 2,568,220, Sept. 18.
Cylinder, Two stage fluid pressure. H. D. Förse. 2,568,228, Sept. 18.
Debagging machine, Pneumatic. D. McDonald. 2,568,244, Sept. 18.
Delivery device for ventilating apparatus, Air. G. R. Wallen. 2,568,044, Sept. 18.
Demodulator. R. Adler. 2,568,137, Sept. 18.
Dental handpiece, Contra-angle. G. E. Björklund. 2,568,315, Sept. 18.
Dental impression compositions. P. B. Taylor, 2,567,979, Sept. 18.

Detachable window screen. W. A. Behnke. 2,568,139, Sept. 18.
Detecting the presence of objects by means of electromagnetic waves. J. J. Hugon. 2,567,939, Sept. 18.
Device controlling flow of material into a hopper, responsive to material level in said hopper. A. Genovese. 2,568,332, Sept. 18.
Device for sharpening cutlery. J. F. R. Karlström. 2,567,941, Sept. 18.
Device for testing cables. A. J. Meyerhoff and J. H. Sulzer. 2,568,161, Sept. 18.
Device for treating oil for the separation of water. E. H. Griffith. 2,567,998, Sept. 18.
Diacyl esters of fluorocarbon aldehydrols. D. R. Husted and A. H. Ahlbrecht. 2,568,501, Sept. 18.
Diagonal creping method and apparatus. W. W. Rowe. 2,567,967, Sept. 18.
Diaper. R. R. Rohrer. 2,568,595, Sept. 18.
Diaper. J. R. Slusser. 2,568,305, Sept. 18.
Diaper, Adjustable. M. M. Laser. 2,568,590, Sept. 18.
Diaphragm chuck (universal gear type). G. and E. F. Hohwart. 2,568,585, Sept. 18.
Dichlorododecafluoroheptane and derivatives thereof, Production of. K. W. Krantz. 2,568,642, Sept. 18.
Die for nut machines, Composite. J. H. Friedman. 2,568,440, Sept. 18.
Die for use with a punch. N. T. Hermann. 2,568,152, Sept. 18.
Dielectric test apparatus. A. A. Boehm, Jr. 2,567,921, Sept. 18.
Differential actuating mechanism for calculating machines. R. Gourdon. 2,568,616, Sept. 18.
Direct arithmetical reading of target angle values. S. Kass and J. G. Sperling. 2,567,942, Sept. 18.
Direction finder, Radio. J. D. Brailsford and E. B. Vass. 2,568,538, Sept. 18.
Disher, Ice-cream. S. J. Poplawski. 2,568,300, Sept. 18.
Disk harrow, Offset. W. R. McKay. 2,568,082, Sept. 18.
Dispenser: *See*—
Filter pad dispenser.
Impeller and detergent dispenser.
Dispenser for effervescent liquids, Foam controlling. T. A. Hutsell. 2,568,632, Sept. 18.
Dispenser for hygroscopic materials. R. W. Waring. 2,568,526, Sept. 18.
Dispensing closure for sterile liquid containers. R. W. Barton. 2,568,108, Sept. 18.
Dispensing device for carbonated beverages. R. T. Cornelius. 2,568,114, Sept. 18.
Dispensing machine, Ice-cream. E. Nelson. 2,568,293, Sept. 18.
Distributor head. T. W. Burnam and G. D. Ramsay. 2,568,429, Sept. 18.
Dithiocarbamic acid reaction product. J. E. Jansen. 2,568,633, Sept. 18.
Dividing head. J. R. Hansen. 2,567,936, Sept. 18.
Door alarm, Cuckoo. W. Helling. 2,568,626, Sept. 18.
Door check. J. V. Westlund. 2,568,477, Sept. 18.
Door fastener. G. E. Dath. 2,568,058, Sept. 18.
Door lock. R. C. Clark. 2,568,273, Sept. 18.
Door mechanism for railway cars. L. J. Tillman. 2,568,038, Sept. 18.
Dough divider. J. E. Pointon. 2,568,252, Sept. 18.
Draft hitch for vehicles, Piston operated. P. J. Grattan. 2,568,445, Sept. 18.
Drafting apparatus. R. F. Jessen. 2,568,502, Sept. 18.
Drain line cleaner. C. Lundelius. 2,568,347, Sept. 18.
Drier: *See*—
Window laundry drier.
Drill for type casting machines, Accessory. C. M. Downs. 2,567,994, Sept. 18.
Drill pipe attachment. C. M. and M. C. Holder. 2,568,005, Sept. 18.
Drive mechanism for egg beaters. F. R. Chester. 2,568,318, Sept. 18.
Drying granular, thread, and fibrous materials. F. W. J. Karrer and H. Du Rietz. 2,567,940, Sept. 18.
Drying lumber. H. P. Wood. 2,567,983, Sept. 18.
Drying wet wheat gluten. J. M. Tuomy and R. L. Slotter. 2,567,980, Sept. 18.
Easel, Table. G. W. Moore. 2,568,354, Sept. 18.
Electric control switch. G. F. Dales. 2,568,323, Sept. 18.
Electric discharge device. E. B. Noel. 2,568,459, Sept. 18.
Electric iron. C. H. Sparklin. 2,567,975, Sept. 18.
Electric steam boiler. C. A. Steen. 2,568,372, Sept. 18.
Electric trip circuit. R. E. Sturm and J. R. Cosby. 2,567,977, Sept. 18.
Electrical contact. G. A. Matteson, Jr. 2,568,242, Sept. 18.
Electrical contact device. B. B. Scott. 2,568,465, Sept. 18.
Electrical receptacle. J. F. O'Brien, J. B. Cataldo, and K. E. Vroom. 2,567,961, Sept. 18.
Electrical time delay apparatus. T. Miller. 2,568,403, Sept. 18.
Electrical warm air recirculating room heater. C. J. Favot. 2,568,278, Sept. 18.
Electrically heated transfer pipe. F. C. Bennett. 2,568,578, Sept. 18.
Electrode, Magnetized grounding. W. B. Harpman. 2,568,068, Sept. 18.
Electrodepositing an alloy of lead and indium. D. F. Green, N. P. Mallet, and J. M. Briscoe. 2,567,934, Sept. 18.
Electromagnetic deflection yoke structure. L. G. Malheiros. 2,568,456, Sept. 18.
Electromagnetic scanning system. C. E. Torsch and J. B. Coullard. 2,568,471, Sept. 18.
Electronic ammeter. G. C. Summers. 2,568,689, Sept. 18.
Electronic check-weighing and segregating apparatus. W. J. Schleser and J. F. Kelley. 2,568,255, Sept. 18.
Electronic circuit arrangement. M. Artzt. 2,568,533, Sept. 18.
Electronic frequency divider apparatus employing delay circuits. O. M. Christensen. 2,568,319, Sept. 18.
Elevated tank. J. F. Mummert. 2,567,958, Sept. 18.
Elevator system having selective operating modes. J. Suozzo. 2,568,418, Sept. 18.
Encasing cylindrical articles in paper bags, Apparatus and process for. H. L. Ortstein. 2,568,593, Sept. 18.
Engine speed governor. D. I. Bohn. 2,568,380, Sept. 18.
Engine starting mechanism. R. M. Nardone. 2,568,404, Sept. 18.
Epoxy compounds by oxidation of cis-monoolefine compounds, Preparation of. T. W. Findley and D. Swern. 2,567,930, Sept. 18.
Equipment for instruction in instrument flying. C. E. Schwaneke. 2,567,973, Sept. 18.
Excitation system. D. R. Pattison, W. H. Lambert, and A. H. Phillips. 2,568,407, Sept. 18.
Exhaust extension and guard for automobiles. H. R. Phillips. 2,568,409, Sept. 18.
Extracting oxygen from atmospheric air, Process and apparatus for. W. L. De Baufre. 2,568,223, Sept. 18.
Extraction of organic oxygenated compounds from hydrocarbon mixtures. L. G. Sharp and D. R. Carmody. 2,568,517, Sept. 18.
Extractor: *See*—
Radio tube extractor.
Fabricating sealed envelopes. H. J. Nolte. 2,568,460, Sept. 18.
Fastener: *See*—
Door fastener.
Fastening device. R. A. Hartman. 2,568,584, Sept. 18.
Fastening for securing railway rails to metal sleepers. W. B. Wragge. 2,568,376, Sept. 18.
Faucet, Beverage. J. G. Giuliano. 2,568,444, Sept. 18.
Faucet, Eccentric type. T. R. Smith. 2,568,520, Sept. 18.
Felted material and making the same. F. Cremer and H. F. Unick. 2,568,144, Sept. 18.
Fender shield mounting. G. W. Schatzman. 2,567,971, Sept. 18.
Festoons, Manufacture of. G. R. Goodwin. 2,568,495, Sept. 18.
Film advancing means for film magazines. C. H. Jacobson. 2,568,339, Sept. 18.
Film stabilizer for sound motion-picture projectors. J. Briskin and C. Peto. 2,568,539, Sept. 18.
Filter. W. V. Kennedy. 2,568,196, Sept. 18.
Filter apparatus. W. R. Thomson. 2,568,420, Sept. 18.
Filter element. J. B. Clark. 2,568,184, Sept. 18.
Filter pad dispenser. A. J. Rubisch. 2,568,413, Sept. 18.
Filtering device. J. J. Naugle. 2,568,085, Sept. 18.
Firearm, Single-trigger double-barrel. J. A. Morrone. 2,568,556, Sept. 18.
Fish lure, Hook concealing and releasing. R. D. Hoffman. 2,568,547, Sept. 18.
Fish lure, Variable length. G. A. Cummins. 2,568,488, Sept. 18.
Fishing reel. L. A. McDonald. 2,568,245, Sept. 18.
Flap gumming and folding mechanism for envelope machines. V. E. Heywood. 2,568,629, Sept. 18.
Flap, High lift. J. K. Northrop. 2,568,021, Sept. 18.
Flatting agents. W. A. Weidlich and J. E. Davis. 2,568,599, Sept. 18.
Floor drain and primer. R. Stauch, Sr. 2,568,521, Sept. 18.
Fluid expansion device for electrical apparatus. S. Wald. 2,568,422, Sept. 18.
Fluid governor. J. D. Summers. 2,568,307, Sept. 18.
Fluid separating diaphragm in fitting for pressure gauges. A. E. Le Van. 2,568,238, Sept. 18.
Fluid testing apparatus. G. V. Eltgroth. 2,568,277, Sept. 18.
Fluidized bed evaporator and method. J. C. Munday. 2,567,959, Sept. 18.
Fluorination process. R. Rosen. 2,568,660, Sept. 18.
Fluorocarbon aldehydes and their monohydrates. D. R. Husted and A. H. Ahlbrecht. 2,568,500, Sept. 18.
Folding chair. H. C. Burnham and A. Bus. 2,568,260, Sept. 18.
Food products and making the same. L. A. Scholz. 2,568,369, Sept. 18.
Formaldehyde conversion. A. F. MacLean and W. E. Heinz. 2,568,016, Sept. 18.
Forming filled capsules, Method and apparatus for. C. S. Smith. 2,568,094, Sept. 18.
Forming machine, Sausage-core. L. G. Edwards. 2,568,491, Sept. 18.
Frame: *See*—
Shoulder frame.
Frequency converter with impedance matched output. F. H. Scheer and W. S. Winfield. 2,568,416, Sept. 18.
Frequency divider. E. Norrman. 2,568,510, Sept. 18.

Frequency shift diversity transmission system. H. O. Peterson. 2,568,408, Sept. 18.
Frying pan cover. J. S. Jardim. 2,568,637, Sept. 18.
Fuel flow control responsive to turbine inlet temperature and speed for coal burning gas turbines. H. C. May and E. H. Hewitt. 2,568,127, Sept. 18.
Fuel gas from natural gasoline and straight run gasoline, Making. C. G. Milbourne. 2,568,351, Sept. 18.
Furnace: *See*—
Annular radiating drum air heating furnace.
Multiple tube radiator forced circulation air heating furnace.
Furnace grate structure including ash removal means. W. F. Piau. 2,568,657, Sept. 18.
Furniture construction. L. M. Eldridge. 2,568,329, Sept. 18.
Furniture construction. N. M. Weiss. 2,568,527, Sept. 18.
Galvanic anode assembly. H. A. Robinson. 2,568,594, Sept. 18.
Garbage receptacle. C. F. Van Outrive. 2,568,041, Sept. 18.
Garment bag. M. W. McWhorter. 2,568,158, Sept. 18.
Garment hanger. E. O. King. 2,568,235, Sept. 18.
Gas hood for casting machines. R. H. Waddington and A. G. Welblund. 2,568,525, Sept. 18.
Gasproof receptacle. E. P. Smith. 2,568,518, Sept. 18.
Generator. *See*—
Controlled wave energy generator.
Ultra high frequency generator.
Pulse generator.
Generator of high stability. Automatic wide range electrical wave. H. A. Robinson. 2,568,412, Sept. 18.
Globe and support therefor, Inflatable. D. Elliot. 2,568,369, Sept. 18.
Goggles, Swim. W. E. Brown. 2,568,316, Sept. 18.
Graphic arts utility table. P. M. Nahmens. 2,568,358, Sept. 18.
Grass catching attachment for lawn mowers. R. H. Weisert. 2,568,045, Sept. 18.
Grinder, Garbage. G. R. Coss and K. M. Hammell. 2,567,902, Sept. 18.
Grinding machine, Chain saw. D. R. Fitch. 2,568062, Sept. 18.
Gripping and disassembling tool. J. R. Nichols. 2,568,294, Sept. 18.
Guanidine thiocyanate, Preparation of. N. H. March. 2,567,955, Sept. 18.
Guard for power presses, Safety. W. H. Roy. 2,568,367, Sept. 18.
Guide for visible index systems, Inner. W. J. Redmond and E. L. Sayers. 2,568,302, Sept. 18.
Gun, Electric air. I. R. Cook. 2,568,432, Sept. 18.
Gun, Plastic extrusion. W. R. Myers and A. S. Tennant. 2,567,990, Sept. 18.
Hair cutting device. B. Sayer and W. F. Sklenar. 2,568,398, Sept. 18.
Hairspring, Compensating. E. Dubois. 2,568,326, Sept. 18.
Haloacetylamidophenyl-haloacetamidopropandiol. M. Sullivan. 2,568,571, Sept. 18.
Handle for locker latches. J. B. O'Connor. 2,568,592, Sept. 18.
Hanger: *See*—
Coat hanger.
Garment hanger.
Line pipe hanger.
Hanger and hammer assembly for hammer mills. G. A. Miller. 2,568,200, Sept. 18.
Hanger assembly, Casing. R. L. Crain. 2,568,581, Sept. 18.
Headgear. F. H. Kahn. 2,568,399, Sept. 18.
Heat exchange receptacle. T. and O. W. Mojonnier. 2,568,653, Sept. 18.
Heater: *See*—
Electrical warm air recirculating room heater.
Heating apparatus. W. H. De Lancey. 2,568,120, Sept. 18.
Heating system, Electric. J. L. Reed. 2,568,411, Sept. 18.
Helicopter. D. Leskinen. 2,568,645, Sept. 18.
Helicopter. W. H. Raser. 2,568,363, Sept. 18.
Herbicidal compositions. L. L. Baumgartner. 2,567,987, Sept. 18.
High-pressure polymerization of perhaloolefins. W. T. Miller. 2,567,956, Sept. 18.
High-voltage direct-current power supply system. E. W. Herold. 2,568,394, Sept. 18.
Hinge, Door. J. P. Doman. 2,568,225, Sept. 18.
Holder: *See*—
Bait holder.
Container holder.
Cravat holder.
Nail holder.
Rivet holder.
Sales book holder.
Sheet holder.
Holder for drills or the like. W. A. Pendleton. 2,568,089, Sept. 18.
Horticultural composition comprising a polymeric organic polysulfide and a petroleum oil fraction. W. D. Stewart. 2,568,033, Sept. 18.
Horticultural composition comprising DDT and polyethylene polysulfide. W. D. Stewart. 2,568,035, Sept. 18.
Horticultural composition comprising polyethylene polysulfide and sulfur or lime-sulfur. W. D. Stewart. 2,568,034, Sept. 18.
Household appliance. B. A. Hüggmark. 2,568,066, Sept. 18.
Housing for impact breaking or crushing machines. G. H. Pattinson. 2,568,203, Sept. 18.
Humidity control apparatus for refrigerators. J. S. Booth. 2,568,268, Sept. 18.
Hydraulic bark remover having certain nozzles controlled by log-interrupted light beam. G. F. McClay. 2,568,554, Sept. 18.
Hydraulic press. V. Vitavsky. 2,568,042, Sept. 18.
Hydraulic press having differential area prefill valve responsive to pullback line restriction. R. K. Sedgwick. 2,568,687, Sept. 18.
Hydraulic screw jack. F. C. Foss. 2,568,437, Sept. 18.
Hydroxyalkylhydroperoxides. C. L. Levesque. 2,568,682, Sept. 18.
Ice cream and making the same. H. T. Spannuth. 2,568,666, Sept. 18.
Ignition system, Heater. G. Jacobs. 2,568,125, Sept. 18.
Ignition timing control. G. F. Butkiewicz. 2,568,270, Sept. 18.
Impeller and detergent dispenser. K. Clark. 2,568,185, Sept. 18.
Indicating device, Glider position. G. W. Lal. 2,567,947, Sept. 18.
Indicating means for accounting machines. R. Gourdon. 2,568,618, Sept. 18.
Indicating the position of an automatic locking device for pistons or other movable parts. J. Perdue and S. Hackney. 2,568,561, Sept. 18.
Indicator: *See*—
Liquid volume indicator.
Inductance coil structure. R. E. Whiffen. 2,568,310, Sept. 18.
Infant's toilet seat. W. W. Cunningham. 2,568,322, Sept. 18.
Inflatable covering for surfaces. C. F. Totheroh. 2,568,669, Sept. 18.
Ink, Blue printing. F. E. Petke. 2,567,965, Sept. 18.
Ink, Red printing. F. E. Petke. 2,567,964, Sept. 18.
Ink, Yellow printing. F. E. Petke. 2,567,963, Sept. 18.
Instrument, Drafting. L. Macha, Jr. 2,568,647, Sept. 18.
Instrument, Electrical musical. M. J. Larsen and N. B. Erickson. 2,568,644, Sept. 18.
Interlock, Mechanical. J. W. Woolf and J. D. Russell. 2,568,103, Sept. 18.
Interpolymers of an alkyl acrylate, a haloalkyl vinyl compound, and a divinyl aryl hydrocarbon. J. H. Powell, Jr. 2,568,659, Sept. 18.
Iron: *See*—
Electric iron.
Ironer permitting removal of work at input end. W. R. Kahl. 2,568,451, Sept. 18.
Ironing head drive. C. C. Scheele. 2,568,514, Sept. 18.
Jack: *See*—
Carbon rod jack.
Hydraulic screw jack.
Toy jack.
Jar shoulder knuckle joint. W. H. Dumble. 2,568,060, Sept. 18.
Joint: *See*—
Jar shoulder knuckle joint.
Pipe joint.
Joint brace plate. V. La Grande. 2,568,453, Sept. 18.
Keyboard and differential actuator units, Detachable denominationally composite. R. Gourdon. 2,568,617, Sept. 18.
Key ejector for locks. J. J. Seaman and G. E. Rightley. 2,568,206, Sept. 18.
Key pulsing B operator position circuit. H. E. Noweck and T. D. Robb. 2,568,164, Sept. 18.
Knee lock mechanism for artificial legs. J. G. Catranis. 2,568,053, Sept. 18.
Knee patches for pants, Removable. K. E. Mitchell. 2,568,083, Sept. 18.
Knob, Tuning. J. L. Hoellerich. 2,568,630, Sept. 18.
Ladder leg extension. M. F. Cheek. 2,567,989, Sept. 18.
Lamp: *See*—
Vehicle head lamp.
Lamp arm with reinforcing cup for an electric lamp socket mounted thereon. L. Boltuch. 2,568,537, Sept. 18.
Latch operated clutch. A. N. Nilson, R. A. Thienemann, and W. J. Zenner. 2,568,249, Sept. 18.
Latch unit, Door. J. D. Carroll. 2,568,383, Sept. 18.
Latex foamed with hydrogen peroxide and a polyamine. E. J. Bethe. 2,567,988, Sept. 18.
Leg mount for furniture, Self-retaining. R. E. Miller. 2,568,507, Sept. 18.
Level control. C. H. O. Berg. 2,568,379, Sept. 18.
Lighter, Pocket. N. D. Sintetos. 2,568,091, Sept. 18.
Lighting system embodying two or more arc discharge devices and ballast therefor. L. Mauerer. 2,568,553, Sept. 18.
Line pipe hanger. C. G. Grabe. 2,568,149, Sept. 18.
Lining for pressure galleries and shafts, Production of a. A. Kieser. 2,568,010, Sept. 18.
Lipstick case. S. Shatkin. 2,568,688, Sept. 18.
Liquid coating composition. J. R. Fisher, Jr. 2,568,188–9, Sept. 18.
Liquid volume indicator. J. R. Pettigrove. 2,568,361, Sept. 18.
Loading dock cover. V. D. Eshnaur. 2,567,995, Sept. 18.
Locating and indicating top dead center on engines. R. R. Beezley. 2,568,109, Sept. 18.
Lock: *See*—
Door lock.
Nut lock.
Lock nut. O. D. Gray. 2,567,933, Sept. 18.

Locking device, Threaded. L. F. Mohns. 2,568,162, Sept. 18.
Low-ohmic electrical resistance. A. Wirk. 2,568,600, Sept. 18.
Machine for forming conoidal surfaces. R. G. R. Touvay. 2,568,040, Sept. 18.
Machine for making core boxes. J. O. De Loss. 2,568,187, Sept. 18
Machine for removing paint. E. E. Bumpus. 2,568,183, Sept. 18.
Machine for skinning fish fillets. J. J. Duggan. 2,568,489, Sept. 18.
Machine for wrapping coverings around articles. P. Spagnoli. 2,568 260. Sept. 18.
Machine tool. O. E. Staples. 2,568,667, Sept. 18.
Machine tool. C. A. Wiken. 2,567,982, Sept. 18.
Machine tool. S. F. Winchell. 2,568,675, Sept. 18.
Magnetic switch. V. Zajic. 2,568,377, Sept. 18.
Magnetic T square and drafting board. L. F. Wickman. 2,568,575, Sept. 18.
Magneto structure and making the same. D. A. Armstrong, W. J. Raleigh, and J. C. Bandli. 2,568,479, Sept. 18.
Making a detergent composition. J. M. Guastavino. 2,567,999, Sept. 18.
Making aluminum-containing hydrides. H. I. Schlesinger and A. E. Finholt. 2,567,972, Sept. 18.
Making beta-pinene and vinyl cyclohexene resin. S. G. Burroughs. 2,567,919, Sept. 18.
Making beta-pinene, rearranged alpha-pinene, and vinyl cyclohexene resin. S. G. Burroughs. 2,567,917, Sept. 18.
Making combined sponge rubber-textile materials. E. B. Lewis. 2,567,953, Sept. 18.
Making dipentene and vinylcyclohexene resin. S. G. Burroughs. 2,567,916, Sept. 18.
Making downspout hooks. M. Rachlin. 2,568,027, Sept. 18.
Making glassy phosphate detergent compositions. I. Belley and A. H. Razee. 2,568,110, Sept. 18.
Making investment mold. W. H. Duesbury and C. Atkins. 2,568,364, Sept. 18.
Making reflecting signs by laminating. A. E. Keeley. 2,568,126, Sept. 18.
Making refractory bodies. J. M. Lepp and J. A. Slyh. 2,568,157, Sept. 18.
Making sponge rubber. E. B. Lewis. 2,567,952, Sept. 18.
Manifolding device. W. R. Moore. 2,568,509, Sept. 18.
Marking apparatus. M. C. Salit and E. J. Kofford. 2,567,969, Sept. 18.
Mattress and making same. P. Spagnoli. 2,568,258, Sept. 18.
Measuring device. G. W. Weego. 2,567,981, Sept. 18.
Measuring device, Precision. J. Verderber. 2,568,524, Sept. 18.
Mechanism for typewriters or like machines, Power operating. W. H. Kupper. 2,567,945, Sept. 18.
Mechanism for varying the tension of normalizing springs of typewriters or like machines. J. F. Kloski. 2,567,943, Sept. 18.
Mechanism for varying the tension of normalizing springs of typewriters or like machines. W. H. Kupper. 2,567,946, Sept. 18.
Mechanism to convert a firearm from semiautomatic to full automatic action. C. C. Loomis and K. J. Lowe. 2,568,198, Sept. 18.
Metal phthalocyanines, Preparation of. F. W. Sullivan, Jr. 2,568,570, Sept. 18.
Methyl siloxane rubber. E. L. Warrick. 2,568,672, Sept. 18.
Mixer: *See*—
Balanced mixer.
Mold: *See*—
Recapping and retreading mold.
Mold with riser and exothermic insert. I. A. Billiar. 2,568,428, Sept. 18.
Mop clamp with lockable spring bar. T. J. Campbell. 2,568,218, Sept. 18.
Motion control for work clamping members of automatic sewing machines. J. Richter. 2,568,205, Sept. 18.
Motor: *See*—
Reciprocating motor.
Pneumatic Vibrating reed type direct-current motor.
Motor and operation, Induction. A. E. Spinasse and W. H. Pumphrey, Sr. 2,567,976, Sept. 18.
Motor block attaching means for motor stands. G. C. Montague. 2,568,508, Sept. 18.
Motor pump of the submersible type, Electric. G. P. E. Howard and V. Ivanoff. 2,568,548, Sept. 18.
Mount, Adjustable photograph. S. Widder. 2,568,178, Sept. 18.
Mount, Motor. E. Mountain and G. D. Lawton. 2,568,290, Sept. 18.
Mounting: *See*—
Fender shield mounting.
Quick-change self-locking wheel mounting.
Mounting bracket. C. I. Brown, Jr. 2,568,609, Sept. 18.
Mounting for ironing boards and irons, Combined. D. Woelke. 2,568,211, Sept. 18.
Mounting wall and ceiling paneling. E. W. Dunham and W. A. Wiegert. 2,568,490, Sept. 18.
Mulcher attachment for plows. H. Van Zee. 2,568,572, Sept. 18.
Multiple initial device. M. Rossein. 2,568,513, Sept. 18.
Multiple tube radiator forced circulation air heating furnace. A. B. Carswell. 2,568,487, Sept. 18.
Multiple variable orifice valve. C. R. Mockridge. 2,568,084, Sept. 18.
Nail, Glazing. J. Dellinger. 2,568,145, Sept. 18.
Nail holder. T. F. O'Malley. 2,568,405, Sept. 18.
Nail, Self-locking. R. L. Hallock. 2,567,935, Sept. 18.
Network for subscribers' telephone sets, Balancing. F. H. Graham. 2,568,150, Sept. 18.
Nozzle, Adjustable. M. S. Gallick. 2,568,492, Sept. 18.
Nozzle and coupling member, Combined. A. T. Schelwer. 2,568,515, Sept. 18.
Nozzle, Spray. L. T. Mart. 2,568,240, Sept. 18.
Nut and fruit tree shaking device. J. Johnson. 2,568,193, Sept. 18.
Nut lock. W. L Bonin. 2,568,483, Sept. 18.
Oil compositions containing amine salts of acid compounds of boric acid and hydroxy carboxylic acids. C. E. Trautman. 2,568,472, Sept. 18.
1-nitrophenyl-2-acylamino-1,3-propanediol acetals. A. C. Moore. 2,568,555, Sept. 18.
One-piece lined box. W. A. Ringler. 2,568,170, Sept. 18.
Opener, Can. E. Zumski. 2,568,106, Sept. 18.
Orthopedic device. M. T. Laffin. 2,568,197, Sept. 18.
Oven, Barbecue. L. A. Parker. 2,568,022, Sept. 18.
Oxyalkylated derivatives of phenol-isanic acid-formaldehyde resins. M. De Groote and B. Keiser. 2,568,118, Sept. 18.
Oxygen-BF_3-hydrocarbon complex catalyst. R. C. Wackher and C. B. Linn. 2,568,209, Sept. 18.
Package for novelty items. W. G. Harvey. 2,568,625, Sept. 8.
Package inspecting machine using mirror structure. W. W. Peeples. 2,568,461, Sept. 18.
Pad: *See*—
Silencing pad.
Pad box. H. Gulbrandsen. 2,568,065, Sept. 18.
Pallet construction. A. J. Farrar. 2,568,582, Sept. 18.
Panty. H. G. Hill. 2,568,545, Sept. 18.
Paper gathering machine. C. W. Didde and D. A. Glaser. 2,568,224, Sept. 18.
Paraformaldehyde from formaldehyde. A. F. MacLean and W. E. Heinz. 2,568,017, Sept. 18.
Parallax correction in color television. S. Hansen. 2,568,448, Sept. 18.
Pedal, Bicycle. W. Gerner and G. Kraetsch. 2,568,443, Sept. 18.
Penicillin production. G. W. Parsons. 2,568,360, Sept. 18.
Periscope seal. W. J. Gilbert, Sr. 2,568,392, Sept. 18.
Phonograph having a fast rewind mechanism, Magazine-type magnetic. L. J. Anderson. 2,568,601, Sept. 18.
Phonograph pickup, Resistance-type. N. E. Washburn. 2,568,673, Sept. 18.
Phonograph record cabinet. L. J. Purcell. 2,567,966, Sept. 18.
Pickup arm. J. E. Vistain, Jr. 2,568,671, Sept. 18.
Picnic table and bench assembly, Collapsible. R. E. Hagan. 2,568,622, Sept. 18.
Pilot for aircraft, Automatic. R. S. Brannin, P. Halpert, and G. F. Jude. 2,567,922, Sept. 18.
Pin retainer, Wrist. G. D. Angle. 2,568,478, Sept. 18.
Pipe: *See*—
Electrically heated transfer pipe.
Pipe joint. I. A. Russ. 2,568,414, Sept. 18.
Pipe parting tool. R. B. Frost. 2,568,280, Sept. 18.
Plant growth regulant compositions containing haloaryl sulfonyl sulfides. W. D. Stewart. 2,568,036, Sept. 18.
Platform for X-ray tables, Adjustable alignment. R. C. Grimm. 2,568,191, Sept. 18.
Pliers having displaceable-half-nut actuator, Cam-closing pivoted-jaw. W. B. Kramer and T. A. Moore. 2,568,641, Sept. 18.
Polymerizing butadiene-1,3 hydrocarbons in aqueous emulsion in the presence of mercapto-substituted monocarboxylic acid esters. J. C. McCool. 2,568,648, Sept. 18.
Polymerizing polyunsaturated esters. F. B. Pope. 2,568,658, Sept. 18.
Polyunsaturated nitrogen-containing compounds and polymers thereof. J. A. Bralley. 2,568,608, Sept. 18.
Portfolio. S. Segal. 2,568,131, Sept. 18.
Positioning means for pneumatic thread removers. C. P. Bergstrom. 2,568,606, Sept. 18.
Post setter. B. A. Chambers. 2,568,540, Sept. 18.
Postage printing die protection means. W. J. Hanson and A. G. Russell. 2,568,624, Sept. 18.
Poster panel. N. Oberding. 2,568,165, Sept. 18.
Potassium titanium fluoride, Production of. H. C. Kawecki and E. J. Bielecki. 2,568,341, Sept. 18.
Power distribution system. C. E. Barkis. 2,568,480, Sept. 18.
Power supply. J. M. Cage. 2,568,484, Sept. 18.
Power supply for image reproducing tubes. J. M. Cage. 2,568,485, Sept. 18.
Power supply, High-voltage. J. M. Cage. 2,568,486, Sept. 18.
Power take-off apparatus for motor vehicles. A. J. Lewus. 2,568,076, Sept. 18.
Power transmission and stroke adjustor mechanism. C. H. Scott. 2,567,974, Sept. 18.
Power transmission unit. J. Y. and J. Y. Dahlstrand, Jr. 2,568,275, Sept. 18.
Preparing alpha-beta unsaturated carboxylic acids. J. E. Jansen and W. L. Beears. 2,568,635, Sept. 18.

Preparing anhydrous alpha-beta unsaturated carboxylic acids. A. B. Japs. 2,568,636, Sept. 18.
Preparing carbothiolic acids. J. C. McCool. 2,568,020, Sept. 18.
Preparing p-aryl substituted beta-amino carboxylic acids. T. L. Gresham and F. W. Shaver. 2,568,621, Sept. 18.
Preparing plastic molding compositions. P. B. Taylor. 2,567,976, Sept. 18.
Preserving plant tissues. G. R. Fessenden. 2,567,929, Sept. 18.
Press: *See*—
Hydraulic press.
Pressure responsive device. G. F. Drake. 2,568,226, Sept. 18.
Printer and changeable light source therefor. W. L. Sullivan. 2,568,097, Sept. 18.
Printing machine. W. T. Gollwitzer. 2,568,064, Sept. 18.
Printing process, Cellulose ester lithographic. W. O. Kenyon and J. A. Cathcart. 2,568,503, Sept. 18.
Producing and separating nitrogen oxides. I. J. James. 2,568,399, Sept. 18.
Producing paper drum containers. A. L. Scott. 2,568,664, Sept. 18.
Progressive arc quencher. C. H. Titus. 2,568,470, Sept. 18.
Prong, Barbed fastening. R. S. Wagner. 2,568,043, Sept. 18.
Proportioner. A. J. Granberg. 2,567,997, Sept. 18.
Propulsion assembly for torpedoes. T. A. Daly and P. M. Hogue. 2,568,433, Sept. 18.
Pulse generator. R. R. Townsley. 2,568,099, Sept. 18.
Pulse-width demodulator. C. C. Bath. 2,568,213, Sept. 18.
Pump: *See*—
Variable displacement pump. Variable-displacement radial-piston pump.
Pump. G. N. Little. 2,568,646, Sept. 18.
Pump lubrication for elevating screws. W. G. Hoelscher. 2,568,335, Sept. 18.
Pump system with parallel tubing, Fluid-operated. C. J. Coberly. 2,568,320, Sept. 18.
Pyrotechnic match capable of repeated ignition. F. K. Knutsson-Hall. 2,568,285, Sept. 18.
Quick-change self-locking wheel mounting. J. Senderl. 2,568,370, Sept. 18.
Quickly removable filter casing cover. R. M. Zimmerman and W. V. Kennedy. 2,568,181, Sept. 18.
Radio beacon and system utilizing it. L. W. Alvarez. 2,568,285, Sept. 18.
Radio detection and ranging system, Extended range. G. W. Tyler. 2,568,441, Sept. 18.
Radio frequency apparatus. S. I. Rambo. 2,568,410, Sept. 18.
Radio support for repair operations. J. F. Gaffney. 2,567,966, Sept. 18.
Radio tube extractor. J. W. Whitney. 2,568,210, Sept. 18.
Ramp for ships, Extensible. T. J. Flippin. 2,568,330, Sept. 18.
Razor Safety. H. C. Anderson. 2,568,047, Sept. 18.
Reaction of enol esters with alkoxy-carboxylic acid anhydrides. B. Phillips, Jr. 2,568,296, Sept. 18.
Reading gager apparatus. H. S. Alexander. 2,568,577, Sept. 18.
Recapping and retreading mold. H. L. Baker and R. D. Van Tassell. 2,567,985, Sept. 18.
Receptacle: *See*—
Electrical receptacle. Gasproof receptacle.
Garbage receptacle. Heat exchange receptacle.
Reciprocating pneumatic motor. E. G. Hjärpe. 2,568,450, Sept. 18.
Recording and reproducing apparatus, Sound. C. M. Gunn. 2,568,000, Sept. 18.
Recovering sterols from mixtures thereof. J. Overhoff and J. T. Hackmann. 2,568,202, Sept. 18.
Recovery of dicyanodialkyl amines. E. C. Medcalf and W. E. Sisco. 2,568,160, Sept. 18.
Recovery of dicyanodialkyl ethers and sulfides used as solvents in an aromatic hydrocarbon extraction process. E. C. Medcalf and W. E. Sisco. 2,568,159, Sept. 18.
Recovery of dinitrile solvents. G. N. Vriens, W. E. Sisco, and E. C. Medcalf. 2,568,176, Sept. 18.
Recovery of organic acids with an amine solvent. E. F. Smith and V. Voorhees. 2,568,095, Sept. 18.
Reducing device for refrigerating apparatus, Pressure. H. M. Goldberg. 2,568,123, Sept. 18.
Reel: *See*—
Fishing reel.
Refining refractory carbides. M. Oswald. 2,568,251, Sept. 18.
Refire adapter for cartridges. R. E. McGahey, Jr. 2,568,079, Sept. 18.
Regrooving tool. E. J. Mayher. 2,568,683, Sept. 18.
Regulating system. R. A. Geiselman. 2,568,391, Sept. 18.
Regulator: *See*—
Automatic flow regulator.
Regulator for oil burners, Air draft. J. E. Histed. 2,568,192, Sept. 18.
Releasing fouled boat anchors. A. Illsche. 2,568,006, Sept. 18.
Relief and control valve. R. J. S. Pigott. 2,568,026, Sept. 18.
Removing yarn from yarn packages, Method and apparatus for. M. B. Coleman, Sr. 2,567,990, Sept. 18.
Resins containing isanic acid, Phenolic. M. De Groote and B. Keiser. 2,568,119, Sept. 18.
Resins from aldehydes and aromatic hydrocarbons, Manufacture of. T. G. Woolhouse and W. Lunn. 2,568,313, Sept. 18.
Resins of turpentines and vinyl cyclohexene, Making. S. G. Burroughs. 2,568,216, Sept. 18.
Retaining device, Key. L. J. McKay. 2,568,081, Sept. 18.
Retaining ring for instrument case glasses. E. H. Grauel. 2,568,124, Sept. 18.
Retractable step. J. Smid and E. L. Single. 2,568,093, Sept. 18.
Ring: *See*—
Steel piston ring.
Rivet holder. D. Yellen and S. Moskowitz. 2,568,676, Sept. 18.
Riveting device. P. H. Irmischer. 2,568,338, Sept. 18.
Rocket launcher. F. C. Lindvall and P. E. Lloyd. 2,568,455, Sept. 18.
Rodent baiting station. G. W. Query. 2,568,168, Sept. 18.
Roof, Floating. J. W. Allen. 2,567,920, Sept. 18.
Roofing. F. A. Sunderhauf. 2,568,469, Sept. 18.
Roofing and siding. J. B. Anthony. 2,568,603, Sept. 18.
Rotary selective switch. E. A. Bryan. 2,568,050, Sept. 18.
Rotor blade retention of a bolted and cemented construction. M. E. Gluhareff. 2,568,230, Sept. 18.
Safety device for hydraulic brakes. D. L. Wise and A. R. King. 2,568,311, Sept. 18.
Safety drilling and fishing bumper sub. D. U. Shaffer. 2,568,256, Sept. 18.
Safety fuel system for heaters. G. W. Allen. 2,568,107, Sept. 18.
Safety valve. T. W. Charest. 2,568,219, Sept. 18.
Sales book holder. B. K. Slonneger. 2,568,563, Sept. 18.
Sampling and gauging head for tanks. R. L. Sarjeant. 2,568,415, Sept. 18.
Sash balance. E. E. Foster. 2,567,931, Sept. 18.
Scissors. R. D. Bennett. 2,568,605, Sept. 18.
Scissors, Episiotomy. F. Haufrect. 2,568,234, Sept. 18.
Scraper, Earth carrying. A. R. Henry. 2,568,627, Sept. 18.
Screen: *See*—
Detachable window screen.
Screws and the like, Method and apparatus for making. J. H. Friedman. 2,568,439, Sept. 18.
Seal, Bearing. I. W. Corder. 2,568,056, Sept. 18.
Seal for floating tank roofs, Side wall. J. H. Wiggins. 2,568,529, Sept. 18.
Seat: *See*—
Infant's toilet seat.
Seat construction, Spring. G. P. Johnson. 2,568,071, Sept. 10.
Seat cover fastening means. J. H. Johnson. 2,568,398, Sept. 18.
Selector device for automatic typewriters. G. F. Carlson. 2,568,113, Sept. 18.
Selector, Pulse group. E. H. Krause and C. E. Cleeton. 2,567,944, Sept. 18.
Semiconductor comprising silicon and making it. J. H. Scaff and H. C. Theuerer. 2,567,970, Sept. 18.
Sensitivity improver for temperature controllers. C. A. West. 2,568,574, Sept. 18.
Separating impurities from used lubricating oils. E. F. Graves. 2,568,583, Sept. 18.
Separation of mixtures of 1-butanol and methyl n-butyl ketone. A. Steitz, Jr., and D. K. Barnes. 2,568,522, Sept. 18.
7-halogen-osterols, Production of. S. Pickholz, and E. Roberts. 2,568,025, Sept. 18.
Shaver, Mechanically operated. I. Lonne. 2,568,287, Sept. 18.
Shear Mechanism for headers. J. H. Friedman. 2,568,438, Sept. 18.
Shears, Rotary flying. E. Henschker, and F. Hachenburg. 2,568,333, Sept. 18.
Sheet holder. B. K. Slonneger. 2,568,564-5, Sept. 18.
Shelf. A. L. Goldsmith. 2,568,148, Sept. 18.
Shelf for refrigerators, ovens, storage cabinets, and the like. C. E. Hickman. 2,568,153, Sept. 18.
Shelf for vehicle bodies. T. R. Wilkinson. 2,568,046, Sept. 18.
Shelf structure, Wall mounted. L. E. Fulton, 2,568,147, Sept. 18.
Shield for cooking stoves, Wall. F. D. Eggleston. 2,568,276, Sept. 18.
Shirt incorporating waterproof protector. H. O. Head. 2,568,544, Sept. 18.
Shoes, Making. A. E. Murray. 2,568,291, Sept. 18.
Shoulder frame. C. L. Zagata. 2,568,105, Sept. 18.
Shutter, Metal. L. G. Brown. 2,568,215, Sept. 18.
Shutter, Storm. H. S. Jones. 2,568,195, Sept. 18.
Shutter, Ventilation. H. Morrison. 2,568,355, Sept. 18.
Shutter, Window. A. den Dulk, Sr. 2,568,324, Sept. 18.
Sidewalk edger and trimmer. C. E. Smith. 2,568,468, Sept. 18.
Signal comparator employing secondary emission apparatus. D. E. Sunstein, and A. H. Mankin. 2,568,098, Sept. 18.
Signal distribution system. P. M. G. Toulon. 2,568,375, Sept. 18.
Signaling device for spinning frames. J. F. Hunt. 2,568,337, Sept. 18.

Signaling method and system. R. L. Koehler, and J. Miller. 2,568,342, Sept. 18.
Signaling system. E. Vroom. 2,568,177, Sept. 18.
Signaling system and method, Phase modulated. A. Špaček. 2,568,132, Sept. 18.
Signature feeding and transfering mechanism. E. H. Bechberber. 2,568,604, Sept. 18.
Silencing pad. H. C. Yaeger. 2,568,531, Sept. 18.
Sled, Coasting. M. A. Holbrook. 2,568,070, Sept. 18.
Slider for separable fasteners. L. H. Morin. 2,568,163, Sept. 18.
Slider for separable fasteners. L. W. Schaff. 2,568,663, Sept. 18.
Solubilizing at least partially insoluble and gelatinized oils. M. Kronstein. 2,568,551, Sept. 18.
Solubilizing at least partially insoluble and gelatinized waxes. M. Kronstein. 2,568,550, Sept. 18.
Sound recording and reproducing machine. J. M. Kuhlik. 2,568,681, Sept. 18.
Spirit level. E. J. Casper. 2,568,143, Sept. 18.
Sponge articles, Manufacture of foam rubber. R. J. Meyer. 2,568,457, Sept. 18.
Sponge rubber composition. W. R. Stauffer. 2,567,950, Sept. 18.
Sponge rubber-textile combination material. E. B. Lewis. 2,567,951, Sept. 18.
Spool, Metal. S. George. 2,568,442, Sept. 18.
Spring foot for cultivators, Adjustable. C. E. Barrett. 2,568,267, Sept. 18.
Spring tester. A. C. Ruge. 2,568,596, Sept. 18.
Sprinkler, Detachable water. M. Sigmund. 2,568,171, Sept. 18.
Stabilizer for house trailers. A. H. Stade. 2,568,261, Sept. 18.
Stack elevator control mechanism for collating machines. M. D. McShurley. 2,568,246, Sept. 18.
Stable solution. N. D. Cheronis. 2,568,384, Sept. 18.
Stagewise process for the hydrogenation of carbon monoxide. P. W. Garbo and E. W. Riblett. 2,567,932, Sept. 18.
Stake driver. A. Daso. 2,568,613. Sept. 18.
Starter, Engine. W. H. Weimer. 2,568,136, Sept. 18.
Starting arrangement for gyro verticals. A. W. Lane. 2,567,948. Sept. 18.
Starting device for internal-combustion engines. J. Palm. 2,568,359. Sept. 18.
Steam and combustion products generator with expansion means to dry the steam. W. L. Sanborn. 2,568,662, Sept. 18.
Steam generator and combustion gas turbine power plant, Combined. H. Pfenninger. 2,568,024. Sept. 18.
Steam generator and steam iron, Portable. M. B. Young. 2,568,104, Sept. 18.
Steel piston ring. H. M. Olson. 2,568,655, Sept. 18.
Stereoscopic photography and kinematography. L. P. C. J. Dudley. 2,568,327. Sept. 18.
Storage device, Hose. F. P. Zierden. 2,568,532, Sept. 18.
Storage pile material handling apparatus. J. E. Dunasky. 2,568,434. Sept. 18.
Stylus structure for electrical recorders. H. A. Stamper. 2,568,306. Sept. 18.
Subdividing solid particles. K. K. Kearby. 2,568,400, Sept. 18.
Substituted glycinamides. W. F. Bruce and J. Selfter. 2,568,141. Sept. 18.
Substituted triazines. T. L. Gresham and T. R. Steadman. 2,568,620. Sept. 18.
Support: *See*—
Coaxial line stub support. Conveyer belt support.
Surgical piercing device. R. W. Spicher. 2,568,207, Sept. 18.
Suspended crimping tool. J. B. Clapp. 2,568,054, Sept. 18.
Swab, Prehensile pipe-cleaning. E. Burke. 2,567,923, Sept. 18.
Swing. R. G. Low. 2,568,015. Sept. 18.
Switch: *See*—
Electric control switch. Rotary selective switch.
Magnetic switch.
Switch. O. J. Blomberg. 2,568,482, Sept. 18.
Switch blade. E. A. Miller. 2,568,852, Sept. 18.
Switch contact assembly. L. L. Chappell. 2,568,610, Sept. 18.
Switch for motors, Cutout. W. F. and H. Weirich. 2,568,476. Sept. 18.
Switch mechanism for power operated typewriters or like machines, Cover controlled safety. H. J. Hart and W. H. Kupper. 2,568,002, Sept. 18.
Switch unit. J. F. O'Brien, J. B. Cataldo, and K. E. Vroom. 2,567,962. Sept. 18.
Switching apparatus, Electric. H. Lindars. 2,568,345, Sept. 18.
Swivel connection for air operated chucks. H. E. Sloan and G. A. Highberg. 2,568,092, Sept. 18.
Synchronous switching apparatus for electric circuits. M. Belamin. 2,568,140, Sept. 18.
Synthetic detergent composition, Making a. E. F. Hill, C. E. Smith, and T. H. Vaughn. 2,568,334. Sept. 18.
Syringe, Aspirating hypodermic. T. D. Spivack. 2,568,173. Sept. 18.
Syringe structure. M. L. Lockhart. 2,568,346. Sept. 18.
Table: *See*—
Graphic arts utility table.
Table top construction. F. H. McCormick. 2,568,243, Sept. 18.
Table top structure, Tilting cantilever. A. J. Kisaur. 2,568,236, Sept. 18.
Table with storage receptacle, Knockdown pedestal. L. S. Baker. 2,568,534, Sept. 18.
Tank: *See*—
Corrosion-resistant storage tank. Elevated tank.
Tappet, Rotary shaft driven. Q. J. Evans. 2,568,061, Sept. 18.
Target, Luminescent. A. O. Franz and L. E. Walkup. 2,568,279. Sept. 18.
Telegraph signal biasing set. W. B. Martin. 2,568,019, Sept. 18.
Telegraphic selecting apparatus. W. J. Zenner. 2,568,264. Sept. 18.
Telemetric system. C. R. McCauley. 2,568,348. Sept. 18.
Telephone system, Automatic all-relay. J. H. Voss. 2,568,101. Sept. 18.
Telephone terminal equipment. H. Jefferson. 2,568,397, Sept. 18.
Television image superimposition. D. P. Perry. 2,568,166. Sept. 18.
Television signal mixing circuit. V. J. Duke. 2,568,541, Sept. 18.
Tertiary-aminoalkyl esters and amides of 4-quinolylmercaptoalkanoic acids and their preparation. A. R. Surrey. 2,568,037, Sept. 18.
Testing papers and the like, Method and apparatus for. N. Martinet. 2,568,199, Sept. 18.
Testing rotors. L. C. Packer and G. E. Monchamp. 2,568,406, Sept. 18.
Tetrahydronaphthalene peroxide, Production of. R. Johnson. 2,568,639, Sept. 18.
Therapeutic appliance, Surgical. E. Sokolik. 2,568,566, Sept. 18.
Thermal compensation system. R. L. Downey. 2,568,435, Sept. 18.
Thermotest cabinet. J. O. Garrison. 2,568,493. Sept. 18.
Thiophenols as selective herbicides. J. H. Standen and L. L. Baumgartner. 2,568,031. Sept. 18.
Timer, Cold cathode. E. B. Farmer. 2,567,928. Sept. 18.
Timer, Interval. W. P. Gallagher and P. G. Bielik. 2,568,122. Sept. 18.
Tire, Nonskid. A. A. Friestedt. 2,568,542. Sept. 18.
Tone arm, Phonograph. A. M. Gurewitsch. 2,568,447. Sept. 18.
Tone indicating mechanism for kettle-drums. W. F. Ludwig. 2,568,504, Sept. 18.
Tool: *See*—
Aligning tool. Machine tool.
Combination paper-cutting tool. Pipe parting tool.
Gripping and disassembling tool. Regrooving tool.
Suspended crimping tool.
Tool for freeing stuck window sashes, Scraping. O. J. Le Boeuf. 2,568,012, Sept. 18.
Torch handling apparatus. E. L. Launder. 2,568,074, Sept. 18.
Towing device. R. W. Weeks and R. L. Black. 2,568,425. Sept. 18.
Toy axle and wheel assembly. I. Thomas. 2,568,374, Sept. 18.
Toy Construction. A. L. Newbery. 2,568,557. Sept. 18.
Toy jack. E. F. Morey. 2,568,289. Sept. 18.
Toy para-rocket. G. G. Vaughan. 2,568,475. Sept. 18.
Trailer unit, Low bed. T. L. Harpster. 2,568,283, Sept. 18.
Transfer mechanism, Card. T. Z. Herr. 2,568,069, Sept. 18.
Transformer, Differential. W. D. Macgeorge. 2,568,587, Sept. 18.
Transmission. V. J. Jandasek. 2,568,007, Sept. 18.
Transmission mechanism. J. G. Vincent. 2,568,135, Sept. 18.
Transmission, Washing machine. R. B. Tharpe. 2,568,134, Sept. 18.
Trap: *See*—
Animal trap.
Tray, Denture. A. Jutras. 2,568,072, Sept. 18.
Tray for motor vehicle luggage compartments, Rotatable. E. L. Herring. 2,568,628, Sept. 18.
Treating black liquors. H. E. Longren. 2,568,239, Sept. 18.
Treating sized yarn, Intermittently. I. L. Griffin. 2,568,446, Sept. 18.
Treatment of paraformaldehyde. A. F. MacLean and W. E. Heins. 2,568,018, Sept. 18.
Truck, Snubbed bolster. G. E. Dath. 2,568,059, Sept. 18.
Truck, Spring bolster. C. R. Moline. 2,568,201, Sept. 18.
Truss. J. Gutsch. 2,568,282, Sept. 18.
Tube dispensing device having pivotally mounted housing members with transversely slidable pressure plates mounted therein. E. C. Littlefield. 2,568,286, Sept. 18.
Tube focusing device of the permanent magnet type, Cathode-ray. W. F. Steers. 2,568,668, Sept. 18.
Tube of the incandescent filament type, High-voltage electronic rectifier. B. K. M. Magnusson. 2,568,552, Sept. 18.
Tube rack for qualitative chemical analysis. F. L. Adelson. 2,568,677. Sept. 18.

Tubular supporting member. M. S. Dunkelberger. 2,567,926, Sept. 18.
Turnstile checking device. S. Zemel. 2,568,378, Sept. 18.
2-amino-4-hydroxy-6-omega-carboxytrihydroxy-propylpteridines. H. G. Petering and J. A. Schmitt. 2,568,685, Sept. 18.
2,4-diamino pteridines and preparing same. D. R. Seeger. 2,568,557, Sept. 18.
2,4-diamino-6-omega-carboxytrihydroxy-propylpteridine. H. G. Petering and J. A. Schmitt. 2,568,462, Sept. 18.
Typographical slug casting machine. R. H. Scott and A. S. Hayward. 2,568,467, Sept. 18.
Ultra high frequency generator. H. Diamond. 2,568,325, Sept. 18.
Umbrella, Garden and beach. V. A. R. Primavera. 2,568,362, Sept. 18.
Underwater prospecting device. E. W. Frowe. 2,568,680, Sept. 18.
Unitary container for hypodermic injection ingredients. G. H. Bremer. 2,568,029, Sept. 18.
Utah coal resin modified alkyd resins. E. D. Lee and R. J. Schefbauer, Jr. 2,568,591, Sept. 18.
Utensil, Cooking. E. R. Barrett. 2,568,049, Sept. 18.
Utility board and retaining frame for automobiles. H. Weiss. 2,568,102, Sept. 18.
Valve: *See*—
Control valve. Relief and control valve.
Multiple variable orifice valve. Safety valve.
Valve and hydraulic circuit therefor. B. Welte. 2,568,528, Sept. 18.
Valve flow control, Gasoline. J. B. Smith. 2,568,257, Sept. 18.
Valve stopper. F. N. Fischer and J. B. Kuzel. 2,568,615, Sept. 18.
Vanity box. L. Root. 2,568,365, Sept. 18.
Variable displacement pump. T. M. Moulden. 2,568,356, Sept. 18.
Variable-displacement radial-piston pump. T. M. Moulden. 2,568,357, Sept. 18.
Vehicle head lamp. J. O. Geissbuhler. 2,568,494, Sept. 18.
Vehicle spring holding device. H. C. Grossman. 2,568,231, Sept. 18.
Vehicle stabilizing apparatus. L. B. Lynn. 2,568,402, Sept. 18.
Velocity trip for automatic phonographs. J. S. Hall. 2,568,496, Sept. 18.
Ventilator and pinning flap for mattresses. P. Spagnoli. 2,568,259, Sept. 18.
Vestibule diaphragm. R. F. Mihalyi. 2,568,684, Sept. 18.
Vibrating reed type direct-current motor. J. M. Vanderleck. 2,568,100, Sept. 18.
Vibration-damping electromagnetic coupling unit for sound-amplifying apparatus. J. G. Prentiss. 2,568,167, Sept. 18.
Vise, Quick-acting. H. Helbig. 2,568,393, Sept. 18.
Voltage divider for variable magnification electron microscopes. H. Bruck. 2,568,112, Sept. 18.
Water heater for beverages, Automatic. E. P. Van Sciver. 2,568,474, Sept. 18.
Weft inserting device. R. Dewas. 2,567,993, Sept. 18.
Weigher, Electric. G. M. Porter. 2,568,253, Sept. 18.
Welding device, Portable end. J. D. Crecca and W. E. Palmer. 2,568,222, Sept. 18.
Welding system, Electric. G. L. Rogers. 2,568,464, Sept. 18.
Well drill bit. E. G. Walker. 2,568,573, Sept. 18.
Well equipment. J. S. Page. 2,568,087, Sept. 18.
Well fixture seal. F. H. Pottberg and R. C. Freberg. 2,568,301, Sept. 18.
Well packer. J. S. Page. 2,568,295, Sept. 18.
Wick type removable oil burner. J. F. Coscia. 2,568,321, Sept. 18.
Winding device. E. Congdon. 2,568,431, Sept. 18.
Window, Collapsible. J. F. Johnson. 2,568,009, Sept. 18.
Window construction. R. R. Olson. 2,568,130, Sept. 18.
Window laundry drier. L. Traverso. 2,568,598, Sept. 18.
Wiper, Pipe. J. F. Medearis. 2,568,247, Sept. 18.
Wire tension control unit. J. A. Anania. 2,568,182, Sept. 18.
Wood filler composition. E. R. Bush and J. E. Hanle. 2,567,924, Sept. 18.
Woodworking plane. S. Shaler. 2,568,665, Sept. 18.
Wrapper transfer. V. G. Hanson. 2,568,067, Sept. 18.
Wrench and elevator, Combination. W. M. Wiseman. 2,568,263, Sept. 18.
Zeroizing mechanism. A. Thomas. 2,568,523, Sept. 18.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 18, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

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Condition of Applications Under Examination at Close of Business Aug. 31, 1951

Total number of patent applications awaiting action, 110,437. Date of oldest new application, October 10, 1950; date of oldest amended application, October 2, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-18-50	10-2-50	2379
2. HERRMANN, D., Fishing, Trapping, and Vermin Destroying; Presses, Tobacco; Textile Wringers	11-24-50	11-20-50	1334
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	1-10-51	1-9-51	1543
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	11-13-50	10-26-50	1962
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	1-18-51	1-17-51	960
6. SURLE, H., Carbon Chemistry (part)	11-13-50	11-3-50	1827
7. GONSALVES, J. E., Optics; Photography (part)	1-5-51	1-2-51	1282
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	11-16-50	11-16-50	1947
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	11-13-50	11-13-50	1592
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	11-25-50	11-14-50	1252
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	11-13-50	11-2-50	1026
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	12-8-50	11-30-50	1238
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	10-19-50	10-19-50	1291
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	10-16-50	10-21-50	1638
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-18-51	1-13-51	1320
16. LOVEWELL, N. N., Television, Telephony	10-30-50	11-8-50	1376
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	11-1-50	11-1-50	1593
18. KURZ, J. A., Power Plants; Speed Responsive Devices	11-18-50	11-25-50	1329
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	10-18-50	10-23-50	1251
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	10-28-50	10-27-50	1529
21. MADER, R. C., Textiles; Package and Article Carriers	10-18-50	10-17-50	1777
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	11-2-50	11-2-50	1271
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-4-50	10-31-50	897
24. DRACAPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	1-5-51	1-8-51	1809
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-1-50	12-1-50	1396
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	11-1-50	11-1-50	1200
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	10-19-50	10-19-50	2226
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	10-31-50	10-5-50	1578
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-1-50	1725
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	12-29-50	12-29-50	1655
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	11-16-50	11-5-50	2018
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	10-19-50	10-18-50	1355
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	11-17-50	11-2-50	2235
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	10-20-50	10-20-50	1312
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-2-50	11-3-50	1670
36. McFADYEN, A. D., Measuring and Testing	10-25-50	10-30-50	1325
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	12-4-50	12-12-50	1376
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-14-50	11-30-50	1340
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	11-17-50	11-16-50	2440
40. DRUMMOND, E. J., Receptacles (part); Packages	11-1-50	11-6-50	2825
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-2-50	10-21-50	1356

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 110,437. Date of oldest new application, October 10, 1950; date of oldest amended application, October 2, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	10-31-50	11-1-50	2089
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-16-51	2-2-51	1034
44. HARVEY, L. P., Beds; Chairs, Seats	11-3-50	10-24-50	1588
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	10-10-50	10-10-50	1685
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	12-5-50	11-15-50	1131
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	11-6-50	11-4-50	1488
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-2-50	11-27-50	967
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	11-21-50	11-8-50	1595
50. LEVIN, S., Synthetic Resins	2-15-51	1-26-51	1470
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	10-31-50	10-31-50	1170
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-1-50	11-1-50	2460
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-9-50	12-23-50	998
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	11-1-50	11-2-50	1756
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	12-6-50	1-2-51	1164
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	12-12-50	12-7-50	1602
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	12-1-50	11-2-50	1733
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	11-20-50	10-27-50	1290
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	12-2-50	12-1-50	1333
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	11-21-50	11-15-50	1289
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	10-20-50	10-24-50	1608
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	11-3-50	11-7-50	1664
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	12-29-50	12-4-50	1674
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	1-20-51	1-22-51	1805
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-11-50	12-6-50	1623
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	10-11-50	10-7-50	1269
67. KRAFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-6-50	12-4-50	1456
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	11-17-50	11-21-50	1737
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	10-23-50	10-20-50	1384
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	10-24-50	10-17-50	1745
DESIGNS: A. BREHM, G. L., Industrial Arts	4-18-51	4-11-51	719
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	4-6-51	4-19-51	1456

Total number of trade-mark applications awaiting action (including renewals and republications), 18,369. Date of oldest new application, Jan. 2, 1951; date of oldest amended application, Jan. 5, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	1-16-51	1-16-51	5639
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	2-20-51	1-6-51	3363
Renewals (All Classes)	6-22-51	7-26-51	768
Republications (All Classes)	7-12-51	7-26-51	267
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	1-2-51	1-6-51	4500
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	2-1-51	1-27-51	3832

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

JORGENSEN *v.* SHAFF

No. 5329. Decided April 3, 1951

[— F.2d —; 89 USPQ 584]

1. INTERFERENCE — REDUCTION TO PRACTICE — UNSUPPORTED TESTIMONY MUST BE CONVINCING.

Where the testimony of a witness is given sixteen years after the event forming the subject matter of the testimony and no contemporaneous written document is in evidence, nor the device itself, *Held* that such testimony must be clear and convincing.

2. SAME — SAME — OPERATION YEARS SUBSEQUENT NOT PROOF.

It has long been established that in the absence of adequate corroboration of reduction to practice, successful operation of a device many years subsequent to its alleged reduction to practice cannot be considered as proof thereof.

3. SAME—SAME—DELAY IN FILING TENDS TO REFUTE CLAIM OF REDUCTION TO PRACTICE.

Where a party files his application six years subsequent to an alleged reduction to practice, *Held* that such delay points strongly to the thought that he did not consider the tests to have been satisfactory.

4. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—INTERFERENCE — DISTRICT COURT AND COURT OF APPEALS DECISIONS IN OTHER INTERFERENCES NOT CONSIDERED.

Where the court is asked to consider the decisions of the United States District Court and the Court of Appeals in cases where the appellant was involved in interference with other parties, *Held* that the court may not with propriety do this for the reason that the parties there are not the same as the parties here and the record in those cases is not the same as the record here.

5. INTERFERENCE — PRIORITY OF INVENTION — AUTOMATIC CHOKE DEVICE.

The decision of the Board of Interference Examiners awarding priority of invention of the subject matter defined by the counts to appellee is affirmed.

APPEAL from Patent Office. Interference No. 79,386.

AFFIRMED.

Spencer, Hardman and Fehr (*John H. Bruninga* and *L. J. Lamm* of counsel) for appellant.

W. A. Gebhardt and *M. A. Hobbs* (*E. C. Naylor* of counsel) for appellee.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners of the United States Patent Office awarding priority of invention of the subject matter embraced in 7 counts to appellee.

The interference involves a patent of appellant entitled "Charge Forming Device," No. 2,225,261, issued December 17, 1940, on an application, Serial No. 15,201, filed April 8, 1935; and an application of appellee entitled "For Carburetor," Serial No. 212,738, filed June 9, 1938, as a continuation-in-part of an application, Serial No. 435,394, filed March 13, 1930, which ripened into a patent, No. 2,365,910, dated December 26, 1944.

The patent of appellant is assigned to General Motors Corporation of Detroit, Michigan, and the Bendix Products Corporation of South Bend, Indiana, is the assignee of appellee.

The interference relates to an apparatus designed to facilitate the starting of a combustion engine when it is cold by providing for a desired ratio mixture of air and fuel. The mixture, richer in gas for cold starting, is gradually reduced to a leaner mixture of fuel content as the engine warms up. The article defined by the counts is connected to a carburetor to control the fuel mixture through automatic means. In ordinary parlance the device might be known as an automatic "choke."

Count 6 is illustrative of the subject matter and reads as follows:

6. Means for controlling the fuel to air ratio of the fuel mixture supplied to an internal combustion engine during starting, warming up and normal operating conditions comprising a charge forming device having in combination, a fuel valve movable to different positions to vary the fuel mixture ratio, a throttle valve for controlling the quantity of mixture supplied to the engine, and means for changing the position of said fuel valve in accordance with changes in the temperature under which the engine operates, in accordance with changes in the intake suction of the engine brought about by changes in the engine speed and by changes in the position of the throttle valve.

The counts originated as claims in the patent of appellant, the junior party, upon whom devolves the burden of proving priority of invention by a preponderance of the evidence.

Both parties filed preliminary statements. In that of appellant it is alleged that the invention was first disclosed to others and the exercise of reasonable diligence in adapting and perfecting the invention was begun on or about April 1, 1927; first drawing of the invention is alleged to have been made October 1, 1927; reduction to practice on or about October 15, 1927; and first written description on or about August 1, 1930.

The preliminary statement of appellee alleges first drawing of the invention defined by counts 1, 2, 3, 6, and 7, disclosure of it to others, and the exercise of reasonable diligence in adapting and perfecting

Vol. 650 • No. 3 Tuesday, September 18, 1951 Price $33.00 per year

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the invention sometime during July or August, 1929; a written description thereof as defined by those counts and a reduction to practice during August or September, 1929. With respect to counts 4 and 5 it is alleged that appellee made drawings of the invention defined by those counts, disclosure of the invention to others and the exercise of reasonable diligence during September or October, 1929; reduction to practice as defined by those counts during October or November of that year; and a written description during December, 1929.

During the motion period appellee moved to dissolve the interference on the ground that appellant was estopped to contest priority because of his failure to request an interference on the involved subject matter with several prior interferences in which it had been involved with appellee's parent application, Serial No. 435,394. The Examiner of Interferences vacated the motion stating that the matter raised therein would be considered at the final hearing.

Appellant also moved to dissolve the interference on the ground that appellee had no right to make the counts for the reason that the device disclosed by him is inoperative. That motion was denied.

As originally declared, the interference involved two counts and upon appellee's motion, the other 5 counts here involved were added and the interference redeclared.

Appellant took testimony. Appellee took no testimony but relied upon his filing date of March 13, 1930. Both parties filed briefs and were represented at the final hearing.

It appears that at the time of taking testimony appellant was an engineer in the employ of the Delco-Remy Division of General Motors Corporation and had been so employed since 1932. Immediately prior to that employment he and his father operated an experimental laboratory from 1930 until the death of the father in 1933. Prior to 1930 appellant was associated with the Dole Valve Company of Chicago.

It appears from the testimony that appellant and his father had developed a number of devices for manufacture by the Dole Company. Neither of them were employed by that company but had contracts with it, some on a profit sharing basis and others on a royalty basis.

Their experimental work with the Dole Company involved many different things, among which were temperature control devices for use on automobiles and automatic chokes for carburetors. Several structural developments for the latter are relied upon by appellant to establish priority of invention. One of those devices was installed on a Buick automobile in August, 1927. At the time of the taking of testimony that device could not be found, but a substantial duplicate of it was constructed for the purposes of the present interference and that duplicate is in evidence.

The device, as installed on the Buick, was described by appellant and three witnesses testified on his behalf with respect to its installation and operation. One of those witnesses had installed the device but it does not appear that he knew anything about its internal structure. Another witness, wife of appellant, likewise knew nothing about the structure of the device and, therefore, neither witness was competent to corroborate the testimony of appellant with respect to the operation of a structure which corresponds to that defined in the involved counts.

A reading of the counts clearly demonstrates that the construction of the device could be told only by those who had a knowledge of its internal parts. All that can be derived from the testimony of those two witnesses is that they had ridden in or driven the car in which the manual choke had been disconnected, and that the car operated successfully.

The third corroborating witness was well qualified in the art of automobile engine construction and operation. He had known both of the Jorgensens for a long period of time and had discussed with appellant the idea of eliminating a manually operated choke on an automobile. Those discussions, the witness said, were in detail and such a device was shown to him by appellant.

[1] The testimony of that witness was given 16 years after those discussions and, up to a certain point hereinafter referred to, was entirely from his recollection. No contemporaneous written document is in evidence, nor is the device itself. We think, as did the Board, that under those circumstances such testimony must be clear and convincing. *Schwartz* v. *Graenz*, 23 CCPA (Patents) 883, 81 F.2d 767, 28 USPQ 386, 467 O. G. 473. Based on his recollection the witness merely stated that the automatic choke he discussed with appellant was supposed to eliminate the necessity of a manual choke and that the first device he became acquainted with was the auxiliary carburetor, or a structure having the effect of one, designed to feed an additional amount of fuel into the manifold of the engine for cold starting. From that incomplete description of the involved structure we are unable to say that it definitely satisfies the requirements of the counts.

After the witness had given his description of the automatic choke from memory he had called to his attention an undated, unsigned, pencil sketch, in evidence, which was said by appellant to be the work-sheet drawing of the device installed on the Buick. When asked if that drawing depicted the device on the Buick, he stated that "It is very similar if not the same." The reference to the drawing which the witness described concerned the construction of the device.

The Board noted that many of the answers made by the witness were in response to leading questions. The Board conceded that those answers were admissible, but was of the opinion that such answers greatly weakened their probative value. It is clear to us that the testimony of the witness with respect to his description of the invention before he had examined the pencilled drawing and the exhibit said to be a copy of the device which was on the Buick does not satisfy the requirements of the counts.

It seems to us, as it did to the Board, that the testimony based upon pure recollection, and the testimony given after seeing the work-sheet and the copy of the model, may not properly be held to be sufficiently certain as to constitute proper corroboration. Furthermore, a letter from the witness to appellant, dated May 17, 1932, and in evidence, concerning his recollection of appellant's work on an automatic choke, disclosed that the writer was rather "hazy" with respect to some of the early discussions had with appellant.

There is nothing in the record to indicate the engine temperature of the Buick when it was started or operated. It may not have been cold; or, a rich mixture, such as the automatic choke was supposed to supply, may not have been necessary in starting the engine. There is testimony that the car was operated in the winter time and when there was ice on the streets, but such testimony is not sufficient. As far as the record here is concerned the car could have been started in a heated garage, and, after the engine was running normally, it surely would continue to operate in the winter time, even though there was ice on the streets.

The Board held that appellant failed to establish conception or reduction to practice of the involved invention by means of the choke which was placed on the Buick. Whether or not appellant established conception of the idea embodied in the Buick structure, we are of opinion that reduction to practice of such device has not been sufficiently proved.

A further development of appellant's automatic control was used on a Studebaker car which was equipped with a Schebler carburetor. Appellant had acquired that car from the maker for experimental purposes in 1928, and he attached his device to that carburetor. Subsequently, the Schebler unit was replaced by the Studebaker company with a Stromberg carburetor to which appellant attached his automatic choke control structure. Tests of that car with appellant's device attached to the Stromberg carburetor apparently were made in the winter of 1929–1930. The wife of appellant, and the engineer witness, both of whom testified with respect to the tests on the Buick car, were witnesses to the tests of the device which had been placed on the Schebler and Stromberg carburetors. The former stated that she knew nothing of the mechanical details of the structure. The other witness testified to those tests as he did with respect to the tests of the apparatus on the Buick.

The automatic control said to have been used on the Studebaker is in evidence. Counsel for appellant asked the following question of the witness:

Q105. Was the Jorgensen choke control unit device which is on Exhibit 13, which is the manifold we have here, on the Studebaker car with the Jorgensen choke control on the Schebler?

The affirmative answer given by the engineer witness was not testimony by him that such device was actually on the Schebler carburetor. Moreover, it must be remembered that the testimony concerning it was given many years after the automatic control had been tested, and, furthermore, it is not clear in the record that at the time the witness was testifying the device was in the same condition as it was when formerly used, or that it had not been materially altered.

Counsel for appellant in their brief state that they do not rely upon the tests made of appellant's device on the Stromberg carburetor but vigorously contend that there is sufficient evidence with respect to the use of the automatic control with the Schebler carburetor to prove its reduction to practice.

With respect to the tests of appellant's device on the Schebler carburetor, they, in our opinion, have not been sufficiently supported in the record to establish reduction to practice. It appears in the testimony for appellant that his device operated successfully over considerable periods of time, but there is nothing in the record as to the temperature at which the engine was started.

[2] While testimony was being taken, the control device attached to a Schebler carburetor was operated inter partes at a temperature of 22° Fahrenheit with satisfactory results. While that might be a circumstance favoring appellant, nevertheless, it has long been established that in the absence of adequate corroboration of reduction to practice, successful operation of a device many years subsequent to its alleged reduction to practice cannot be considered as proof thereof. *Bainbridge* v. *Walton*, 26 CCPA (Patents) 1417, 104 F.2d 808, 42 USPQ 138, 509 O. G. 291; *Smith* v. *Warnock*, 50 App. D. C. 328, 271 Fed. 556, 287 O. G. 195.

It is properly pointed out in the decision of the Board that even though the testimony of the engineer witness be considered adequate to establish that structures responding to the requirements of the counts were installed, the witness never stated that he actually saw the control elements of either the Buick or Studebaker device in movement as responding to either temperature or suction. That such devices were sufficient and that they did operate satisfactorily may only be inferred. It might well be that in the tests of appellant's device the satisfactory manner in which the cars operated was due to the presence of such device. However, it has not been shown that such operation was the result of the device installed therein.

The Board, in its opinion, believed that the control device of appellant when used in connection with the Schebler carburetor on the Studebaker car supports the counts; however, we agree with the Board that the evidence is insufficient to establish a successful reduction to practice of the device.

[3] It may be noted that appellant did not file the application upon which his involved patent issued until 1935 for an invention which was alleged to have been reduced to practice in 1927–1929. During that period appellant was actively engaged in patent licensing and, in our opinion, such delay points strongly to the thought that he did not consider the tests to have been satisfactory.

The Board took notice of the motion of appellant to dissolve the interference on the ground that the

device of appellee is inoperative. That motion was denied by the Primary Examiner but there was no testimony of any kind concerning the operativeness of the device of appellee and under those circumstances the Board properly stated that reargument of those matters is not very persuasive, citing *Lavin* v. *Pierotti*, 29 CCPA (Patents) 1235, 129 F.2d 883, 54 USPQ 400, 545 O. G. 6.

The Board did not deem it necessary to pass upon the motion of appellee for a judgment based on estoppel for the reason that it awarded priority of invention to him on the merits. It therefore dismissed the motion. In view of our conclusion it is not necessary for us to discuss that motion.

Counsel for appellant call our attention to the cases of *Jorgensen et al.* v. *Ericson et al.*, and *Jorgensen et al.* v. *Henning et al.*, 81 F. Supp. 614 and 621, respectively. For the purposes of trial the latter suit was consolidated with the former, the trial court stating that the facts and the law in the former case was applicable to the latter. The judgment of the District Court in the Ericson et al. case, supra, was affirmed by the United States Court of Appeals, Eighth Circuit, in 180 F.2d 180.

Counsel for appellant filed a motion in this court to add to the record a certified copy of the record in those cases, which motion was denied.

[4] We are now asked to consider those decisions of the United States District Court and that of the Court of Appeals. It is only necessary to state that we may not with propriety do this for the reason that the parties there are not the same as the parties here and the record in those cases is different from the record here.

Pursuant to a motion of appellee certain papers were certified to this court from the Commissioner of Patents, the costs of which are to be taxed. Because we find that the addition to the record is not necessary to our decision, appellee will be taxed the costs thereof.

For the reasons herein stated, the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

PINES *v.* MCALLISTER

No. 5759. Decided April 3, 1951

[188 F.2d 388; 89 USPQ 312]

1. INTERFERENCE—REDUCTION TO PRACTICE—STIPULATED OPINION TESTIMONY MAY BE CONTESTED.

Where testimony on behalf of one of the parties is stipulated and no rebuttal testimony is taken, *Held* that while the opposing party may not contest the factual portion of the testimony, he is completely free to contest the conclusions or opinions expressed therein.

2. SAME—PRIORITY OF INVENTION—PROCESS OF PRODUCING HIGH OCTANE PARAFFINS.

The holding of the Board of Interference Examiners that appellant has failed to prove reduction to practice by a preponderance of the evidence is affirmed.

APPEAL from Patent Office. Interference No. 81,624.

AFFIRMED.

Charles M. Thomas and *M. M. Weisman* (*M. P. Venema* of counsel) for appellant.

Herbert L. Shepard (*Edward B. Beale* of counsel) for appellee.

JOHNSON, *J.*:

On August 4, 1944, an interference was declared between the patent applications of Maryan P. Matuszak, No. 467,873, filed December 4, 1942, and Sumner H. McAllister, John Anderson and Walter H. Peterson, No. 428,656, filed January 29, 1942. The party McAllister et al. brought a motion to substitute the presently involved sole McAllister application, No. 606,475, filed July 21, 1945, for the joint application of McAllister et al. This motion was granted in a decision of the Primary Examiner dated December 14, 1945. At the same time that the interference was reformed to substitute the sole McAllister application for the joint McAllister et al. application, the party Pines' application No. 466,839, filed November 20, 1942, was added to the interference. As the interference was reformed, the party McAllister was made the senior party by virtue of according him the benefit of the filing date of the joint McAllister et al. application. A motion by the party Pines to shift the burden of proof was denied by the Primary Examiner. On April 23, 1948, the Board of Interference Examiners entered judgment against the party Matuszak by reason of his failure to take testimony within the time allowed for this purpose and said judgment became final. The Universal Oil Products Co. is the assignee of the Pines application, whereas the Shell Development Co. is the owner of the McAllister application.

The parties McAllister and Pines submitted stipulated evidence in the form of affidavits and documentary exhibits. The case came on for hearing before the Board of Interference Examiners of the United States Patent Office and a decision was rendered on March 10, 1949, awarding priority to the senior party McAllister.

The party Pines alleged that on or about September 23, 1941, he first explained his invention to others, that on or about October 27, 1941, the first written description of the invention was made, and that the invention was reduced to practice on or about October 27, 1941. The issue before the Board was simplified by counsel to the asserted reduction to practice of the party Pines, the Board holding that no reduction to practice had been achieved, and consequently awarding priority to the party McAllister on the basis of his effective filing date, which preceded the Pines filing date by some ten months.

Since it was unnecessary to do so, the Board did not mention any of the evidence presented for McAllister to prove a conception and reduction to practice prior to his effective filing date. Thus, if we should find that appellant has made out a reduction to practice as alleged, we should have to remand the case to the Patent Office for a consideration of the McAllister record. *Brydle* v. *Honigbaum*, 18 CCPA (Patents) 1517, 49 F.2d 963, 9 USPQ 527, 415 O. G. 755.

The appellant's application in interference was filed November 20, 1942, while the effective date of filing of appellee's application is January 29, 1942. Appellee being entitled to the earlier date of filing, the presumption arises that he is the first inventor, *Gallagher* v. *Hien*, 25 App. D. C. 77, and the burden is thus on the appellant as junior party to establish priority of invention by a preponderance of the evidence, *Anderson* v. *Walch*, 33 CCPA (Patents) 774, 152 F.2d 975, 68 USPQ 215, 584 O. G. 167.

As will appear from the sole count in issue, the interference relates to a process for producing high octane paraffins involving the combination of two steps or reactions. The first step consists of the catalytic isomerization of a 1-olefin to a corresponding 2-olefin. The final step is the utilization of the 2-olefin from the isomerization reaction to alkylate an isoparaffin in the presence of an alkylation catalyst. The alkylation of the 2-olefin in this manner produces a superior product, the alkylate containing a desirably high octane number when compared with alkylates obtained from the alkylation of a 1-olefin.

The sole count at issue reads as follows:

> The improved process of producing high octane paraffins from an isoparaffin and a secondary 1-olefin, each having four to five carbon atoms per molecule, which comprises subjecting said 1-olefin to the isomerizing action of a catalyst capable of isomerizing said 1-olefin to the corresponding 2-olefin, and alkylating said isoparaffin with the resulting isomerization effluent in the presence of an alkylation catalyst.

Priority of invention is the sole issue, there having been no interlocutory motions filed upon which a review is here sought. Before us appellant makes the following contentions:

1. That the Board erred in holding that the experiments conducted on behalf of Pines on October 13, 1941, failed to constitute a reduction to practice;

2. That the Board erred in characterizing the stipulated testimony of Carl B. Linn as mere opinion evidence and in failing to accept such testimony as establishing the fact that isomerization of butene-1 to butene-2 did occur in the experiments of October 13, 1941.

Appellant's affidavits establish and appellee does not controvert the following facts. On October 13, 1941, Carl B. Linn, an employee of the Universal Oil Products Co. and a qualified expert in the pertinent art, in furtherance of a discussion with Pines, caused the following experiment to be carried out under his direct supervision.

160 cc. of UOP phosphosilicate polymerizing catalyst (diatomaceous earth and phosphoric acid) which had been previously treated by calcination at 800° F. to reduce its polymerization activity, was placed in the bottom of a glass tube. About 500 cc. of Alorco alumina were then added to the glass tube to form a second layer of catalyst on top of the phosphosilicate catalyst. The glass tube was thereafter placed in a furnace and secondary butyl alcohol passed downwardly through the beds of solid catalysts at a temperature of about 350° C. and a charging rate of 250 cc. per hour. The Linn affidavit stated that the purpose of this experiment was to produce butenes for subsequent use in the alkylation of isobutane with isobutene, butene-1, and butene-2, as was suggested by Pines to Linn.

An analysis of the product produced in the above experiment showed that it contained 93.8% n-butylene, which was broken down into 16.3% butene-1 and 77.5% butene-2. Also reported was 4.0% isobutene (isobutylene). No sample of the material was removed from the space between the upper layer of Alorco alumina and the lower layer of the phosphosilicate catalyst for analysis to determine the composition of the reacted material at that stage. Some of the collected material was ultimately reacted with isoparaffin and the reaction product tested and given an octane rating which was deemed to indicate that the process gave satisfactory results from the point of view of the finished product.

It is agreed between opposing counsel that the sole question before us for review is whether the Board committed error in failing to find an actual reduction to practice by Pines on the basis of the experiments conducted in October and November of 1941. Actually the question for decision is further narrowed to the determination of whether or not the Board committed error in holding that the record for Pines failed to sustain his burden of proof with respect to the carrying out of the first step of the count, i. e., the isomerization of butene-1 to butene-2, prior to employment of the olefin as alkylation feed.

McAllister does not question the fact that, in the 1941 experiments, Pines produced an alkylate comprising high octane paraffins by the alkylation of isobutane with butene-2. McAllister does contend, however, that Pines did not obtain the butene-2 for his alkylation runs by isomerization of butene-1, as required by the count, but by the dehydration of secondary butyl alcohol, an operation which does not satisfy the first step of the count. It is McAllister's further contention that, at the least, the Pines evidence is insufficient to sustain his burden of proving that the isomerization step was actually carried out.

The preliminary Pines experiment, hereinbefore set forth, consisted of two distinct reactions, the first being that effected as the secondary butyl alcohol passed over the Alorco alumina, and the second being that effected as the product of the first reaction passed over the phosphosilicate catalyst. Both parties agree that the first reaction comprised the usual manner of preparing butylenes and that the reaction resulted in the dehydration of the secondary alcohol to form a mixture of butene-2 and butene-1. The parties disagree as to what occurred in the second reaction and therein lies the crux of the case. If it be found that appellant has offered a preponderance of evidence to prove that isomerization occurred, then the case must be remanded to the Patent Office for a consideration of appellee's evidence. If, contrariwise, it be found that appellant has not preponderantly proved that isomerization did occur, then priority must be awarded to the

appellee on the basis of his date of constructive reduction to practice.

As has been stated, no sample of the material was removed from the space between the upper layer of alumina and the lower layer of phosphosilicate catalyst, and consequently no analysis of the material was made at that point to determine quantitatively the effect of the phosphosilicate catalyst. Pines relies instead upon the testimony of Linn that he "knew" at the completion of the experiment that isomerization had occurred.

The Linn testimony as to the two reactions reads as follows (Exhibit Nos. omitted):

> • • • We [Pines and Linn] *knew*, from the prior art, and from information, both oral and written, given to us by our associates, that Alorco alumina would effect the dehydration of secondary butyl alcohol to a mixture of butene-1 and butene 2. Two of our associates, Drs. V. N. Ipatieff and B. B. Corson, had previously produced a mixture of butene-1 and butene-2 in the same way and published the data in Industrial and Engineering Chemistry, vol. 27, pages 1069–70, September, 1935. We also *knew* that the phosphosilicate catalyst would effect the isomerization of a substantial portion of the butene-1 to butene-2 *because of* some earlier work conducted by Pines, Ipatieff and Schaad and published by them in 1934 in vol. 56, page 2696 of the Journal of the American Chemical Society in which butene-1 was isomerized to butene-2 in the presence of a catalyst consisting of diatomaceous earth and phosphoric acid. • • • [Italics ours.]

Linn further testified:

> As previously stated, both Pines and I, from our knowledge of the prior art and information, oral and written given to us by our associates, *knew* that the alumina would, under the conditions used, effect the dehydration of the secondary butyl alcohol to a mixture of butene-1 and butene-2. In the experiment described above, the alumina catalyst layer was used for this purpose and I *knew* that in this experiment this reaction was effected. [Italics ours.]

And as to the effect of the phosphosilicate catalyst layer:

> As previously stated, both Pines and I *knew* that the phosphosilicate catalyst would isomerize butene-1 to butene-2 and the phosphosilicate catalyst layer was used for the purpose of isomerizing the butene-1 to butene-2 and I *knew* upon completion of the experiment on October 13, 1941 that this reaction had been effected. • • • [Italics ours.]

The appellant Pines testified:

> It was also decided during this same discussion that the product from the dehydration step should be passed over a catalyst consisting of diatomaceous earth and phosphoric acid which I *knew*, on the basis of early work, was an effective catalyst for isomerizing butene-1 to butene-2. In 1935, two of my associates, Ipatieff and Schaad, and myself published data we had obtained employing a catalyst consisting of diatomaceous earth and phosphoric acid for the isomerization of butene-1 to butene-2. The data were published in 1934 in "Vol. 56 p. 2696 of the Journal of the American Chemical Society" • • • [Italics ours.]

In 1947, when the subject interference was in condition for the taking of testimony, the party Pines caused an additional experiment to be made under Linn's supervision, allegedly "to confirm the facts as recited by Pines and Linn concerning the isomerization reaction that occurred during the October 1941 experiment."

In the "confirmatory" test the original experiment was duplicated save that the solid phosphoric acid catalyst layer was omitted and the secondary butyl alcohol was merely dehydrated over Alorco alumina. Analysis of the product showed that it contained 30.4% butene-1 and 63.7% butene-2. Merely a trace of isobutene was detected. Comparison of these yield figures with those of the original experiment indicates an increased yield of butene-2. From this Linn made the following conclusion as to the original experiment:

> • • • It is apparent from these data that about 46.5% of the butene-1 isomerized to butene-2 during the passage of the product of the dehydration step through the bed of phosphosilicate catalyst used in the experiment shown in Exhibit 1.

If appellant is to prevail we must find that the foregoing proves by a preponderance of evidence that isomerization did in fact occur. We do not so find.

The documentary evidence in the record pertaining to the experiment of October, 1941, is completely devoid of any mention of isomerization of butene-1 to butene-2. No documentary data appears which would necessarily lead to that conclusion. In the final report (Pines' Exhibits No. 17, 18, 19 and 20) on the entire experiment, Linn wrote the following:

> A comparison of results from 1-butene and 2-butene shows the latter to produce a definitely superior alkylate as regards octane number, amount of aviation cut, and in freedom from bound fluorine. • • • However, the superior product obtained from 2-butene indicates that it *may be desirable* to process the charging stock so as to isomerize the 1-butene into 2-butene, which can be done by passing over certain acid catalysts such as phosphosilicate under milder conditions than produce polymerization. • • • [Italics ours.]

Clearly the statement "it may be desirable • • • to isomerize the 1-butene into 2-butene" is not proof that such reaction was effected, nor indeed is it even a statement that it occurred. Lacking documentary data which would prove that isomerization did occur, appellant must rely upon his own and Linn's stipulated statements made some seven years later, that they knew at the time that isomerization had taken place.

Both Pines and Linn spoke as experts in testifying that they knew that isomerization had occurred. Linn testified that he knew the isomerization reaction would occur "because of some earlier work conducted by Pines, Ipatieff and Schaad and published by them" in the Journal of the American Chemical Society. Pines testified that he knew the same thing "on the basis of early work," which he identified as the material published in the Journal of the American Chemical Society, supra. This material was Pines' Exhibit 24.

Exhibit 24 comprises data which shows that the isomerization of butene-1 to butene-2 over diatomaceous earth impregnated with phosphoric acid, under pressure, increases with an increase in temperature from 100° C. to 249° C., until at 249° C. the product is substantially pure butene-2. No data appears for temperatures above 249° C.; yet Pines and Linn, basing their conclusion upon this information, "knew" that isomerization occurred in the instant experiment where the temperature was 350° C., 101° higher than the highest temperature reported in the prior work.

Pines' specification further states, and we must accept the statement as true, or at least accord it probative value equal to that of his affidavit, *In re Forstrom*, 27 CCPA (Patents) 1160, 111 F.2d 181, 45 USPQ 343, 519 O. G. 525, that:

> • • • When using a solid phosphoric acid type catalyst, the conditions chosen will depend upon the particular isomerization reaction which is desired. For example, *at temperatures of 350° C. and higher*, a pressure of less than 5 atmospheres, and a contact time of less than 1 minute, *normal butenes are converted to isobutene*. However, *at temperatures below 250° C.* and with considerably longer contact times, *the conversion of butene-1 to butene-2 is the predominant reaction*. [Italics ours.]

Appellee, pointing out this passage of the Pines specification, urges that in all probability the effect of the phosphosilicate catalyst in the 1941 experiment was to convert the normal butenes to isobutene as the specification indicates would happen under the conditions used. The presence of 4% isobutene in the product of the 1941 experiment, when compared to the mere trace produced by the 1947 experiment, lends credence to this contention.

Both Pines and Linn in testifying as to the purpose of the Alorco alumina referred to prior published data on the dehydration of secondary butyl alcohol, which data was made Pines' Exhibit 23. This publication showed that at temperatures between 375° C. and 425° C., secondary butyl alcohol passed over activated alumina yielded a 50–50 mixture of butene-1 and butene-2. The 1947 experiment, conducted under similar conditions, yielded a 30.4–63.7 mixture of butene-1 and butene-2. Yet the witness Linn testified that the increase in butene-2 yield in the 1941 experiment over that of the 1947 experiment was due to isomerization of butene-1 to butene-2. While it may well be that the change in yield was due to isomerization, it is clear that the comparison of the yield figures does not inevitably lead to that conclusion. On the basis of all the yield figures it would be equally plausible to conclude that the split of butene-1 and butene-2 over alumina varies widely and that the 1941 experiment merely showed another resultant proportion.

While appellant has produced evidence which shows that isomerization might have occurred in his 1941 experiment, the record also contains evidence which could as easily support the opposite conclusion. Clearly appellant has not proved his case by a preponderance of the evidence.

As hereinbefore stated the testimony in this case was in the form of stipulated affidavits. The stipulation provided that were the various affiants called as witnesses, they would testify as set forth in the respective affidavits and that the affidavits would have the same force and effect as testimony regularly adduced.

Appellant now contends that because the testimony was stipulated and because appellee offered no rebuttal testimony we must accept the Linn statement that he "knew" isomerization had occurred as a stipulated fact. The cases of *Bijur* v. *Bendix*, 52 App. D. C. 240, 285 Fed. 974, and *Draeger et al.* v. *Bradley*, 33 CCPA (Patents) 1130, 156 F.2d 64, 70 USPQ 183, 590 O. G. 355, are urged upon us as compelling such a conclusion. We cannot agree that they do.

In *Bijur* v. *Bendix*, supra, the appellant conceded and the record unquestionably established, that six witnesses in addition to the appellee testified to the actual reduction to practice of the appellee's invention. Appellant in that case took no testimony and produced no evidence, but contended that all seven witnesses perjured themselves. The testimony being consistent and there being no basis whatsoever for rejecting it, the court stated:

> • • • A careful scrutiny of the record satisfies us that there is no basis whatever for rejecting the testimony of Bendix's witnesses. No court is at liberty to refuse credence to the testimony of the witnesses unless there is something in the record upon which to rest the refusal.

Appellee McAllister neither traverses facts in appellant's affidavits, nor urges that the testimony was perjured, but he does controvert the conclusion drawn from apparently conflicting evidence on the record. Plainly the Bijur case is not in point.

In *Draeger et al.* v. *Bradley*, supra, there was a stipulation of the type present in the case before us. Draeger et al., presenting no testimony of their own, contested the stipulated testimony of Bradley's witnesses and this court held that having stipulated, they were bound by the testimony. There, however, the witnesses testified that Bradley had disclosed certain subject matter to them at a particular time. This was factual testimony, as to the actual acts of Bradley, in marked distinction to the opinion testimony disputed in the instant case.

[1] The party Pines and his witness Linn testified as to certain matters of fact (disclosure dates, tests and experiments). They also testified that they "knew" on the basis of prior art, at least part of which is of record, that certain steps in these factual experiments would produce and had produced certain results. The party McAllister has contested, not the facts, but the conclusions, and it is our opinion that he is completely free to do so.

The controlling law is set forth in the cases cited by the Board, *Chandler* v. *Mock*, 32 CCPA (Patents) 1183, 150 F.2d 563, 66 USPQ 209, 580 O. G. 159, and *Marden et al.* v. *Braselton*, 28 CCPA (Patents) 1077, 119 F.2d 174, 49 USPQ 256, 529 O. G. 251.

In the case of *Chandler* v. *Mock*, supra, an eminently qualified expert testified as to the successful operation (reduction to practice) of the Chandler device on the basis of having observed the same and on the basis of records of the test which did not of themselves show whether the operation was successful. The court there stated:

> While a witness in a court of justice is not to be disparaged because he has won renown in his field of endeavor, nevertheless, his reputation cannot be utilized to cover a deficiency in evidence.

In *Marden et al.* v. *Braselton*, supra, an expert testified that a device was a "satisfactory development" and had been "successfully operated." In affirming the Board's holding that reduction to practice had not been established we there said:

> • • • There appears to be no reason why the facts upon which his conclusion was based should not have been brought out. True, they could have been brought out upon cross-examination; nevertheless, the burden was upon appellants to establish priority of invention, and it was their duty to establish facts upon which the conclusion of satisfactory operation was based.

While it is true that weight may be sometimes given to opinions of experts without a detailed statement of facts upon which an opinion is expressed, *Seeberger* v. *Russel*, 26 App. D. C. 344, there are facts of record in this case which would at the least cast serious doubt upon the conclusions which have been drawn.

[2] The record here submitted fully warrants the holding of the Board of Interference Examiners that appellant has failed to prove reduction to practice by a preponderance of the evidence.

For the reasons stated, appellee is entitled to an award of priority and the decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE BERSWORTH

No. 5780. Decided June 5, 1951

[— F.2d —; 90 USPQ 83]

1. PATENTABILITY — ANTICIPATION — APPLICANT'S PRIOR PATENT ISSUED WITHIN ONE YEAR.

Although an application is filed within one year after the issuance of a patent to the applicant disclosing the subject matter of the application claims, *Held* that the unclaimed disclosure of the patent is presumed to be dedicated and available as a reference against the application, and the presumption can be rebutted only when the application is for an independent and distinct invention from that claimed in the earlier patent.

2. SAME — PARTICULAR SUBJECT MATTER — METHOD OF PRODUCING CARBOXYLIC AMINO ACIDS.

Certain claims to a method of producing carboxylic amino acids *Held* unpatentable over the disclosure in applicant's prior patent as amounting to no more than experimentation with processes there disclosed.

APPEAL from Patent Office. Serial No. 702,051.

AFFIRMED.

Malcom N. Rich (*Harry F. Riley* of counsel) for appellant.

E. L. Reynolds (*J. Schimmel* of counsel) for the Commissioner of Patents.

WORLEY, J.:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all of the claims, 1 to 6, inclusive, in appellant's application for a patent, Serial No. 702,051, relating to a "Method of Producing Carboxylic Amino Acids."

The claims were rejected as unpatentable over two prior patents which had been granted appellant within one year prior to the filing date, October 8, 1946, of the application herein involved. Those patents are: Bersworth, 2,387,735, October 30, 1945; Bersworth, 2,407,645, September 17, 1946.

The rejection by the tribunals below was based on a finding that the subject matter of the appealed claims was disclosed in the prior patents to appellant, and it was held that such disclosure of matters not claimed was dedicated to the public by the issuance of the patents before the filing of the involved application, notwithstanding the fact that the application was filed within twelve months before the patent became available as a "publication."

Claims 1, 2, and 6 are illustrative, and read as follows:

1. In the method of producting carboxylic amino acids by condensing formaldehyde with sodium cyanide in the presence of an aliphatic amine in a strongly alkaline solution having a pH above about 9 heated to temperatures within the range 30–100° C., the improvement which comprises condensing the formaldehyde with the sodium cyanide at a reaction temperature within the range 95–99° C. while vigorously agitating the reaction solution to maintain a uniform distribution of reactants therein and while excluding atmospheric oxygen therefrom, and at a rate limiting the amount of said condensation product formed at any one instant during the progress of the condensation reaction to that amount which on hydrolysis to a carboxylic acid salt at the reaction temperature is substantially immediately and completely reacted with the aliphatic amine present to form a carboxylic amino acid salt product.

2. In the method of producing carboxylic amino acids by condensing formaldehyde with sodium cyanide in a strongly alkaline solution having a pH above about 9 heated to a temperature within the range 30–100° C. and in the presence of an aliphatic amine having at least one amino hydrogen attached to an amino nitrogen group attached to an aliphatic carbon, the improvement which consists in maintaining a reaction temperature approximating 97° C. and within the broad range 95–99° C. in the said strongly alkaline solution and adding the formaldehyde to the said solution, while vigorously agitating the same to maintain therein substantially uniform dispersion of all reactants therein, at a substantially constant rate relative to the rate of carboxylic acid salt substitution in said amine as will provide at any one instant during the progress of the condensation reaction substantially no excess of unreacted carboxylic acid salt in said solution and while maintaining over the surface of the agitated solution a low positive pressure of ammonia in its gaseous phase sufficient to exclude atmospheric gases from contact with the said surface.

6. The method of producing carboxylic amino acids which comprises condensing formaldehyde with sodium cyanide in the presence of an aliphatic amine in a vigorously agitated strongly alkaline solution having a pH above about 9 protected from reaction with atmospheric gases by a continuously maintained low positive pressure of ammonia gas at a substantially constant high reaction temperature within the range 30–100° C. at which the said condensation reaction and the hydrolysis reaction of the condensation product to a carboxylic acid salt occurs substantially instantaneously and simultaneously while limiting the amount of said carboxylic acid salt to an amount substantially instantaneously reacted with the amine.

The process covered in the patents and the application is described in the decision of the Board as follows:

The alleged invention herein involved relates, as do the patents, to a method of preparing ethylene diamine carboxylic acids. The reactions in all three disclosures are substantially the same, the products produced are the same, the difference being in the physical conditions of temperatures and pressures. In this case, appellant asserts a critical range of temperatures of from 95° to 99° C. The reactions in summarized form may be expressed as follows:

$$NaCN + NH_2CH_2CH_2NH_2 + HC\begin{matrix}H\\ \diagup\\ \diagdown\\ O\end{matrix} + \frac{NaOH}{H.OH} \quad (pH_2) =$$

$$NaOOC-CH_2N(H)-CH_2-CH_2-NH_2 + NH_3$$

In each instance, there is first formed an aqueous solution of sodium cyanide and ethylene diamine, and sodium hydroxide in sufficient amount to bring the pH up to at least 9 and the solution brought up to temperature. The sodium hydroxide is present to repress ionization and no reaction takes place until the formaldehyde is added. The formaldehyde is then added at a regulated rate with vigorous agitation and a sequence of reactions takes place. The formaldehyde reacts with the sodium cyanide to form a transient hydrine or nitrile, $NaOCH_2CN$, which hydrolyzes to the carboxylic acid salt which reacts with the ethylene diamine to be substituted therein for one of the amino hydrogens. The rate of addition of the formaldehyde is geared to the rate at which the carboxylic acid salt substitutes in the amine and this rate is determined as a practical matter by the rate of ammonia evolution, the ammonia being collected in an absorption tower.

In the first patent (Bersworth 2,387,735) the reaction is presumably carried out at atmospheric pressure and the temperature range is 30° to 100° C. but 50° to 75° C. is preferred. The claims thereof are limited to the salts of mono carboxylic amines but it is clearly explained in the specification that the polycarboxylic salts can be produced in the same manner by simply adding additional molol weights of sodium cyanide and formaldehyde.

The second patent (Bersworth 2,407,645) sets forth the same reaction utilising 30% concentration of reactants at 10 inches of vacuum at 60° to 80° C. The lowered pressure promotes the evolution of ammonia at a lower temperature and, at the same time, avoids the formation of colored polymers of cyanides which latter, however, is also related to the pH of the reaction mixture * * *.

As may be seen in the quoted claims, the application differs from the patents in requiring a temperature range of 95° to 99° C. (approximating 97° C.), and in requiring a low positive pressure of ammonia over the reaction surface. Claims 1 through 5 are limited to the narrow temperature range, and claims 2 through 6 require the low positive pressure of ammonia over the surface of the solution.

The Primary Examiner held that all of the conditions in the methods of the patents are similar to those claimed in the application, except for the specific temperature range and the manner of ammonia expulsion. In regard to the temperature range, he found that since the first patent disclosed the broad range of 30° to 100° C., there was no invention in performing the reaction of the patent at any temperature within that range. With respect to the ammonia expulsion, he held that the immobilization of the ammonia as a reactant, its insolubilization in the solution, and its rapid expulsion therefrom, was no more than what would be expected when operating at a higher temperature. He thus held that the broad unclaimed disclosure of the earlier patents had been dedicated to the public, because of the lack of continuity in the filing of the involved application, and further, that what appellant had accomplished amounted to no more than experimentation with a known process to find the optimum operating condition.

The Board affirmed the decision of the Examiner, finding that it was not contrary to the teachings of the first patent to conduct the reaction at a lower temperature with a lowered concentration of reactants (a point not argued before this court, nor assigned as error); that the use of a low positive pressure of ammonia over the reaction solution was not clearly prohibited by the second patent, and seemed to be inherent in the method of the first patent; and that the specification and claims of the present application represented a mere difference in degree but not in kind over the patents. The Board held that what was said in the case of *Ex parte Mullen and Mullen*, 1890 C. D. 9, 50 O. G. 837, was applicable, stating:

That case dealt with the situation where an inventor had secured a patent and subsequently filed an application along the same line of invention, as here. One of three situations can result, and they are: (1) only one indivisible invention is involved. The claims differ as restatements of the same invention and it follows a second patent should not be granted. (2) Several distinct inventions mutually dependent upon each other and contributing to a single result are disclosed, but only one is claimed. Such are optionally divisible and can be protected in separate patents, provided there is copendency. If there is no copendency, what is not claimed in the patent is presumed to be dedicated. (3) Several independent inventions are disclosed, only one of which is claimed in the patent. The invention not claimed is not dedicated and provided no bars exist otherwise, there is no obstacle to allowance of a second patent.

If any of appellant's claims fall within situation (1) they could not be allowed because double patenting would result. Likewise, any of appellant's claims falling within situation (2) could not be allowed because there is a hiatus between the grant of the second patent and the filing of the involved application. Appellant's only recourse is to establish that the claims are directed to an independent invention as regards the earlier patents.

The Board then held that appellant's invention did not fall within the third class, and consequently no patent was granted. It was of opinion that all of the claims, with the possible exception of claim 6 fell within class (2), and that claim 6 might fall within class (1), but would still be unpatentable.

In a petition for reconsideration, appellant argued that the Board had sustained the rejection on new grounds in citing the Mullen and Mullen case; that the provisions of that case were inapplicable to the instant case; that the method of the involved application is practiced within a *"limited and critical temperature range"* whereby a new and unexpected result—the rates of reaction of the three reactions of the process becoming substantially one and the same reaction—is obtained. Appellant stated that such unification of the reaction rate shortens the process time, and gives higher yields, which are of commercial importance, and argued that in the Bersworth patents there was no disclosure adequate to negative novelty in the "critical" temperature range of the application. [Italics quoted.]

The Board considered the petition but refused to change its earlier decision, stating that no new grounds were relied on, and that the contentions of appellant were adequately considered in its previous decision.

In a renewed petition for reconsideration, appellant argued that the prior patents could be used only to reject the application on the ground of "double patenting" and that in such case claims only and not the disclosure of the prior patents could be used. He also argued that the Mullen and Mullen case cited by the Board, and the case of *Gladding-McBean Corporation* v. *N. Clark & Sons*, 16 F.2d 50, cited by the Examiner, had been overruled by *Shipp* v. *Scott School Tp., Montgomery County, Ind.*, 54 F.2d 1019, 12 USPQ 5.

The Board again reaffirmed its earlier decision, stating that it deemed the Scott School case, supra, had not overruled the case of *Ex parte Mullen and Mullen*, supra, primarily because the fact that the [illegible]ard granted the Shipp patent (involved in the [illegible]hool case), in view of the earlier patents, [illegible] that the Patent Office considered that the later Shipp patent was drawn to an invention independent of that claimed in the earlier patents.

Before this court appellant makes substantially the same contentions made before the tribunals below. He argues that the disclosures of the earlier patents are unavailable as references, since any presumption of dedication is conclusively rebutted by an application filed within a year after the issuance of the patents, and further that the present application is directed to cover the involved method under "an entirely different set of reaction conditions, namely, the performance of the basic condensation-hydrolysis-substitution reaction at a *critical temperature of 97° C.* (at which the three rates of reaction in the condensation, hydrolysis and substitution reactions are so rapid as to be substantially one and the same reaction) *and under a positive pressure of* NH_3." [Italics quoted.]

[1] We are of the opinion the contention of appellant that the disclosure of the earlier patents may not be cited against appellant under the present circumstances is untenable. The case of *In re Phillips*, 32 CCPA (Patents) 901, 148 F.2d 662, 65 USPQ 213,

375 O. G. 569, is relevant. The authorities cited by appellant tend to show only that the presumption of dedication may be rebutted when the second application is for an independent and distinct invention from that claimed in the earlier patent. We feel that such a case is not before us.

In regard to the "criticalness" claimed by appellant for the temperature of 97° C., and for the low positive pressure of ammonia over the reaction surface, we do not perceive sufficient evidence of such criticalness to take the case out of the operation of the rule. Appellant disclosed the broad temperature range of 80° to 100° C. for the reactions of the involved process, and there are adequate indications in the patents that appellant knew that each of the reactions of the involved process are affected by the "rate of hydrolysis increasing with increase in temperature above temperatures approximating 30° C. * * *." The criticism of the Primary Examiner that "what applicant has accomplished amounts to no more than experimentation with a known process to find the optimum operating condition" in our opinion is a valid one.

Although appellant argues that the use of a low positive pressure of ammonia over the reaction surface is contrary to the teachings of the first and second patents which require the rapid removal of the ammonia "as it forms," and also the teaching of the second patent that the process may be carried out under a vacuum, we agree with the holding of the Board in that respect. The second patent does not unequivocally teach that reduced pressures are necessary at higher temperatures, and only two of the ten claims of that patent require a reduced pressure. Further, it seems probable that the method of the first patent would require a low positive pressure of ammonia over the reaction surface, since the reaction is working against the back pressure of a reflux condenser, as pointed out by the Board. The rapid removal of the ammonia from the reaction solution is not antagonistic to the maintenance of a low positive pressure of ammonia over the solution, and in the present application appellant still stresses the importance of the rapid removal of the ammonia from the solution.

The fact that claim 1 does not require the positive pressure of ammonia, and claim 6 is not limited to the narrow temperature range of 95° to 99° C., is additional evidence of the non-criticalness of such limitations.

Although appellant has urged that new and improved results flow from the present method, such alone is not sufficient to show "criticalness." *In re Blondiau*, 37 CCPA (Patents) 1018, 181 F.2d 223, 85 USPQ 286, 636 O. G. 1064.

[2] For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

NOTICES

Adjudicated Patents

(C. A. Mass.) Reed & Ryan Patent No. 2,277,050, for infuser. Claims 1, 2, 3, 4, 5, 12, and 14 *Held* invalid. *Kendall Co. v. Tetley Tea Co.*, 189 F.2d 558; 89 USPQ 337.

(C. A. N. Y.) Kleinman Patent No. 2,422,834, for removable shoulder pad, *Held* invalid and not infringed. *Kleinman v. Betty Dain Creations*, 189 F.2d 546, 89 USPQ 404.

Interference Notice

Kayantee Candy Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Em-Jay Candy Company, 212 W. Kinzie St., Chicago, Ill., for registration of a trade-mark and Registration No. 433,896, issued Nov. 4, 1947, to Kayantee Candy Company, 284 Passaic St., Passaic, N. J., and the notice of such declaration sent by registered mail to the said Kayantee Candy Company, at the said address of record having been returned by the post office undeliverable, notice is hereby given that unless said Kayantee Candy Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 4, 1951. *Assistant Commissioner of Patents.*

Charles Atwood Symmes, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Mirror Bright Polish Co., 910 E. Colorado St., Pasadena, Calif., for registration of a trade-mark and Registration No. 353,537, issued January 11, 1938, to Charles Atwood Symmes, 50 Pine St., Danvers, Mass., and the notice of such declaration sent by registered mail to the said Symmes at the said address having been returned by the post office undeliverable, notice is hereby given that unless Symmes, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 29, 1951. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,531,052. Surface Mounted Jar Holder. Patented Nov. 21, 1950. A jar holder for adjustably supporting containers of various sizes so both hands of person filling the jars will be free for tightening or loosening screw tops. A rectangular shaped flat standard to be releasably secured to a table top has a pivoted lever which passes over a bracket-shaped plate. A strap releasably hinged to side of standard forms a container-encircling loop. Free end of strap is releasably spring-connected with one of a series of holes in the lever. A tongue on lever is receivable in one of a series of holes on the plate for holding lever in adjusted position. (Owner) Thomas L. Kehoe, 206 North Marks St., Fort William, Ontario, Canada. Groups 33—59—73; 35—51; 40. Reg. No. 44,344.

Pat. 2,531,334. Aligned Bearing Assembly. Patented Nov. 21, 1950. Externally tapered bearing sleeves automatically assume an aligned position when assembled on journals at ends of a rotatable shaft and within aligned bearing openings of supports of a motor or the like. An annular space between the wall of the bearing opening and the sleeve is filled with a non-shrinking quick-setting material, thereby supporting the sleeves in their aligned positions. This structure avoids the necessity of assembling and disassembling a motor when replacing the sleeves. (Owner) John J. Grenat, 2311 Cortland Ave., Detroit 6, Mich. Groups 35—66; 39—81. Reg. No. 44,345.

Pat. 2,547,886. Therapeutical Device. Patented Apr. 3, 1951. A therapentic device for use as a hot or cold pack. A hollow sealed body of flexible material contains a loose mass of capsule-like members with a liquid which can be heated or frozen permanently sealed within each capsule. The device is kept in a deep freeze, steam chamber, etc., ready for use. (Owner) Noel J. Poux. Correspondence to R. E. Meech, 626 Arch St., Meadville, Pa. Groups 30—51; 39—16—81. Reg. No. 44,346.

Pat. 2,549,440. Combination Dish. Patented Apr. 17, 1951. A paper plastic dish for use in marketing frozen dinners wherein pre-cooked portions may be frozen in the various compartments of the dish. The dish has various sized compartments for meat and vegetables and a deeper compartment for soup or other liquid. Opening of soup compartment is closed by a tray providing a compartment for dessert, salad, or other food. A flange surrounding the dish supports a removable sealing cover. (Owner) Ernesto Cancio Erro, Tercera No. 4 Cerro, Reparto El Pais, Habana, Cuba. Groups 20—37; 39—81; 40. Reg. No. 44,347.

Pat. 2,543,300. Basket Cover. Patented Feb. 27, 1951. Display basket cover to replace the conventional cover, for retaining fruit or other merchandise in the basket while on display in stores. Netted cover is formed of interconnected loops of cord, plastic, or wire. A split resilient wire attaching ring engages the cover through the loops and has hooks on its ends to detachably engage a coil spring. (Owner) Steve Ptak, Peero Manufacturing Co., 214 West First St., Mitchell, S. Dak. Groups 25—51; 33—49; 39—81; 40. Reg. No. 44,348.

Pat. 2,547,073. Ski Reclining Seat. Patented Apr. 3, 1951. Folding ski seat enables a skier to construct a reclining chair by using his skis and ski-sticks. The seat comprises a cloth portion having a foldable bar at each end with forks in the ends of each bar. The skis are placed through loops at the upper ends of the ski poles, and the seat mounted on the skis with the forked ends of the bars engaging the skis. Straps on the upper bar are looped to the curved tip ends of the skis to stabilize the assembly and prevent this bar from sliding down the skis. The bars may be folded and the cloth wound upon them to provide a compact pack when not in use. Modification is shown. (Owner) Anton Bueler. Correspondence to Henry K. Feist, 10 East 40th St., New York 16, N. Y. Group 39—49. Reg. No. 44,349.

Pat. 2,540,136. Centrifugal Blower. Patented Feb. 6, 1951. Impeller for centrifugal blowers has a central disc with a series of inter-blade chambers which face alternately on opposite sides. Each chamber increases in capacity in radial direction for discharging a greater volume of air. May be cast or pressed in one piece from metal or plastic. (Owner) John E. Oliphant, 2415½ Washington Ave., Montebello, Calif. Groups 33—73; 35—64; 36—21; 39—81. Reg. No. 44,350.

The following four patents are offered for sale or license on reasonable terms by the owner, Etienne Vassy. Correspondence concerning the patents should be directed to Jean C. Chognard, 28 East Stanworth Drive, Princeton, N. J.

Pat. 2,496,967. Automatic Recording Microphotometer. Patented Feb. 7, 1950. This patent features a specially designed rotatable cylinder having a plurality of windows or slots for alternately projecting a light beam from a source within the cylinder along two separate paths. It also features means for automatically controlling displacement of a carriage supporting the area to be measured in order to make it possible to record considerable optical intensity variations over small areas. Groups 36—13; 39—11. Reg. No. 44,351.

Pat. 2,512,122. Device for Comparing With a Common Physical Receiving Means, Two Radiations of Similar Character and Subsidiarily Recording the Ratio Between Said Radiations. Patented June 20, 1950. In this patent an improved single path electronic amplifier provided with two output paths is fed by a common receiver, such as a photoelectric cell, that is alternately struck by a pair of separate beams of radiations to be compared. The output paths of the amplifier are alternately blocked in synchronization with the alternate cutting off of the beams of radiations. Groups 36—13; 39—11. Reg. No. 44,352.

Pat. 2,528,923. Means for Facilitating the Focusing of Certain Devices Comprising a Projection System, Such as Microphotometers. Patented Nov. 7, 1950. Optical arrangement facilitates the focusing of the projection system on the sensitive layer of a photographic emulsion in the area to be scanned. Groups 36—19; 39—11. Reg. No. 44,353.

Pat. 2,528,924. Automatic Registering Microphotometer. Patented Nov. 7, 1950. In this patent provision is made for automatic shifting of the photometric "wedge" device, and for simultaneously recording displacements of the wedge. Movement of the wedge is used to actuate a recording arm which inscribes on a moving sheet a diagram of the density variation of an emulsion or other element being analyzed. Groups 36—19; 39—11. Reg. No. 44,354.

Pat. 2,547,814. Bobby Pin Spreader. Patented Apr. 3, 1951. Device for opening bobby pins includes an adjustable split finger ring having a corrugated wedge projection. The ring may be positioned on a finger of one hand, and a bobby pin forced thereover by other hand. May be made of stainless steel, plastic, or the like. (Owner) Mrs. Barbara T. Cuff, 111 Sixth St., Huntington Beach, Calif. Groups 33—73; 39—81—91—99; 40. Reg. No. 44,355.

Pat. 2,543,499. Artificial Breast. Patented Feb. 27, 1951. A hollow removable artificial breast formed of thin elastic material is substantially filled with a self-sealing fluid which will not escape upon accidental puncture of the breast. Provides a flexible member which will move with the muscles of the body. When worn inside a brassiere, it is indistinguishable from the human breast. (Owner) Walter O. Kausch. Correspondence to John L. Thousand, 3061 Cornell St., Dearborn, Mich. Groups 23—42; 30—51; 39—16. Reg. No. 44,356.

Pat. 2,548,310. Cigarette Case and Dispenser. Patented Apr. 10, 1951. Device for a table or desk is designed to dispense one cigarette at a time to upstanding position with the upper end of the cigarette protruding

out of the top of the device. A depressible case having its lower end slidably disposed within an open top housing is normally urged to raised position by a spring. The case is divided by a vertical partition into a cigarette storage compartment and a vertical narrow passage into which the cigarettes are fed one at a time onto a pivoted horizontal platform. Manually depressing the case causes the platform to swing upwardly and carry a cigarette with it to upstanding dispensed position. When case is released and returns to raised position, the platform swings back to horizontal position and receives another cigarette. (Owner) Wendell W. Jennings, 118 Naples St., San Francisco, Calif. Groups 32—39; 33—73; 39—81; 40. Reg. No. 44,357.

Pat. 2,523,780. Clothespin. Patented Sept. 26, 1950. Clothespin is made of a single strip of aluminum ¾ inch wide with two small arms in the center top to fasten the clothes onto the line and prevent sliding when clothes are dry. A series of indentations are provided in the center lower half of pin to grip the clothes below the line. Pin or clothes cannot fall from line, and pin has very little clamping pressure. Thus it does not spread the weave of the fabric in sliding the pin onto and off the clothes on the line. (Owner) Joseph M. Rodrigues, 446 42d St., Brooklyn 32, N. Y. Groups 33—73; 34—41; 39—99; 40. Reg. No. 44,358.

Pat. 2,552,217. Folding Clothesline Extension Apparatus. Patented May 8, 1951. An extension support for clotheslines includes a swivel arm for extending a conventional clothesline into a room through an open window. The clothes may be hung on the line while one is either sitting or standing in the room without leaning out of the window. (Owner) Joseph M. Rodriguez, 446 42d St., Brooklyn 32, N. Y. Groups 25—99; 33—73; 34—41; 35—69. Reg. No. 44,359.

Pat. 2,549,225. Nondrip Dispensing Bottle Stopper. Patented Apr. 17, 1951. Pouring, non-drip bottle stopper has a bottom portion to be inserted in the neck of a bottle, and a laterally enlarged top portion formed with an inclined under surface. The bottom portion is provided with longitudinal grooves to define passages for the pouring of liquid without removing stopper from bottle. The grooves continue along the inclined under surface of the top portion. (Owner) Arthur Moy, 287 Waverly Ave., Detroit 3, Mich. Groups 30—51; 32—21—39; 39—81; 40. Reg. No. 44,360.

Pat. 2,439,672. Receptacle Anchor. Patented Nov. 11, 1947. An anchor for garbage and trash cans or other receptacles. A post formed with adjustable channeled sections has a pointed end to be driven in the ground or anchored in concrete. A metal guard mounted near upper end of post extends partly around a can. Upper end of post projects beyond the guard for insertion in can handle. Modification given. (Owner) Gilman P. Gandrud, Glenwood, Minn. Groups 33—59—73; 40. Reg. No. 44,361.

Pat. 2,550,699. Combination Spectacle Case and Ash Tray Support for Barbers' Chairs. Patented May 1, 1951. A support for a spectacle case and an ash tray to be detachably connected to an L-shaped bracket secured to a barber's chair, hospital bed or other article of furniture. A frame has an extended base plate with a circular formation of upstruck springy arms at one end to removably support an ash tray. A spectacle case having a hinged cover is provided at other end of base plate. (Owner) Susie E. Lamb, Route 5, Paducah, Ky. Groups 25—99; 33—73; 39—81; 40. Reg. No. 44,362.

Pat. 2,482,399. Handle for Boxes. Patented Sept. 20, 1949. Carrying handle for conventional cardboard suit boxes and like containers having overlying inner and outer walls. A handle part is formed from the inner wall by elongated parallel side cuts and by a U-shaped cut spaced outwardly and surrounding ends of side cuts. Aperture in outer wall of box overlies the handle part when inner and outer walls are in overlying position. The handle may be moved through the aperture into carrying position without deforming the box. Modifications shown and claimed. (Owner) Eagle Paper Box Company, 106 South 28th St., Tacoma 2, Wash. Groups 26—61—62; 40. Reg. No. 44,363.

Pat. 2,548,467. Electric Bed Warmer and Method for Producing Same. Patented Apr. 10, 1951. Reg. No. 44,364.

Pat. 2,548,468. Method of Producing Electric Bed Warmers. Patented Apr. 10, 1951. Reg. No. 44,365.

These two patents relate to the construction of flexible electrical bed warmers of the type to be positioned on a mattress to supply heat to the body of a person lying thereon. In Pat. 2,548,467 a continuous insulated resistance wire having an outer covering of flexible fusible dielectric bonding material is arranged in continuous transverse rows between two porous fabric sheets, and the assembly progressively heated and compressed to fuse and press the bonding material within the mesh of the fabric to unite the sheets and anchor the resistance wire. In Pat. 2,548,468 a continuous resistance wire and a continuous strand of flexible fusible dielectric bonding material may be simultaneously arranged in alternately disposed continuous rows between two porous fabric sheets, and the assembly progressively heated and compressed to fuse and press the bonding material within the mesh of the fabric to unite the sheets and provide a series of pockets with individual rows of resistance wire loosely disposed in the pockets. The resistance wire is free to move a limited amount in the pockets, and in the event of a break in the wire it will freely part to eliminate arcing. (Owner) George W. Crise, Danville, Ohio. Group 36—21.

Pat. 2,548,639. Picnic Basket With Folding Table and Benches. Patented Apr. 10, 1951. Picnic basket on rollers for carrying in trunk of automobile has partitions to receive a folding table to form the front of basket and partitions at each side to receive folding benches to form the sides of basket. Back wall and bottom of basket may be permanently enclosed with sheet fiber. When table is taken out of basket, it may be supported in extended position by detachably securing one end to the basket, and detachably securing a U-shaped leg to the other end. The table leg may be detachably mounted on the basket to serve as a handle to wheel basket about. (Owner) Mrs. Edna Weamer, 3417 Janssen Ave., Chicago 13, Ill. Groups 25—11—13—51—52; 31—61. Reg. No. 44,366.

United States Government Owned Patents

The following two patents (granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignments from the inventors, William J. Kroll (Pat. 2,548,897) and Walter R. Vreeland (Pat. 2,551,652). Non-exclusive and royalty-free licenses are available.

Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,548,897. Process for Melting Hafnium, Zirconium, and Titanium Metals. Patented Apr. 17, 1951. Method of producing malleable ingots of the IVb metals and their alloys. The method involves excluding atmospheric contaminants, melting the metals in a degassed graphite crucible, and transferring the molten metal to a cold mold. Example is given in the patent. Groups 28—34; 33—21—22—23. Reg. No. 44,367.

Pat. 2,551,652. Machine for Inserting a Glass Tube Into a Stopper. Patented May 8, 1951. A supporting frame with a hinged joint has spaced lateral arms at upper end with aligned passages for a supporting tube. A stop collar is provided on tube above the arms. A clamping screw chuck is detachably secured to the tube near its lower end, and a detachable turning wheel is provided at top of tube. A plate slidable in base of frame has a series of tapered holes of different diameters to receive perforated stoppers. A glass tube to be inserted in the stopper is inserted through the tube and clamped by the screw chuck. By applying pressure and rotary motion through the turning wheel, the glass tube is forced through the perforation in the stopper. Group 35—59. Reg. No. 44,368.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 18, 1951

[VOL. 650. NO. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 520,725. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.

"NOT A KICK IN A MILLION FEET"

For Construction Materials—Viz., Asbestos Shingles, Asbestos Siding; Asphalt Flooring in Rolls, Fabric Base; Asphalt Roofing in Rolls and Sheets, Asphalt Roofing Shingles, Asphalt Roofing Strips, Mastic Flooring, Mastic Building Compounds, Plastic Roof Coatings of Asphaltic Base, Rubber Roofing, Waterproof Insulating and Sheathing Paper, Waterproof Insulating and Sheathing Fabrics, Asphalt, Asphalt Compositions for Use in Building Construction; Asphalt, Bitumin and Tar Treated Fabrics, Felts and Papers for Roofing, Siding, Flooring, Waterproofing, Building, Insulation and Other Construction Purposes; Asphalt Built-Up Roofs, Asphalt Felt, Asphalt and Burlap Fabrics; Asphalt Saturated Cotton Membrane and Burlap Used in Waterproofing Concrete Bridges, Tunnels, Etc.; Asphalt Slater's Felt, Asphalt Saturated and Coated Burlap, Asphalt Saturated and Coated Waterproof Canvas, Asphalt Coatings and Cements for Construction Purposes; Asphaltic Car Cements, Structural Cements, Road Cements; Asphalt Impregnated Brattice Cloth, Asphalt Saturated and Coated Burlap-Back Car Roofing, Asphalt Saturated Canvas Car Roofing, Asphalt Saturated Canvas, Asphalt Saturated Duck, Asphalt Saturated Felt, Asphalt Saturated Burlap and Asphalt Saturated Plastic Roofings, Canvas-Top Porch and Deck Roofing, Asphalt Saturated and Coated Felt Cap Sheets for Roofs, Asphalt Saturated Car Flooring, Asphalt Saturated House and Roof Linings, Insulated Simulated Brick Siding, Insulation Mats, Fiber Board Insulation, Plaster Board, Red Rosin Sheathing Paper, Asphaltic Roof Coatings and Cements; Roofing (Prepared, Ready or Rubber) in Rolls, Shingles, Sheets and Strips; Asphalt Saturated Roof Tape, Asphalt Saturated Road Packers Felt for Expansion Joints, Step and Stair Treads of Asphalt Saturated Felt Base Material Coated With Asphaltic Material and Grit; Asphalt Saturated and Coated Waterproof Canvas for Roofs of Vehicles and for Porch and Deck, for Cab Curtains, for Card Holder Covers, for Canvas Sill Covers, for Felt Sill Covers, for Inspection Car Curtains.

Claims use since September 1908.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 520,734. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.



For Crowbars, Pinch Bars, Wrecking Bars, Hatchets, Roofing Knives, Kitchen Tongs, Razor Blades, Bill Hooks.

Claims use since September 1908.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,095. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947. Under 10-year proviso as to "Perfection."



The words "Time Book" are disclaimed.

For Partially Printed Time Books.

Claims use since Mar. 18, 1938, as shown; and since 1892 as to "Perfection."

CLASS 39

CLOTHING

Ser. No. 507,331. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed Aug. 13, 1946. Under 10-year proviso as to "Merrimac."



The words "Silver Fox" are disclaimed.
For Men's, Women's, and Children's Hats and Hat Bodies.
Claims use since 1856 as to "Merrimac"; and since October 1940 as shown.

Ser. No. 525,652. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947. Under 10-year proviso as to "Merrimac."



Applicant disclaims the word "Velour."
For Women's Hats and Hat Bodies.
Claims use since Mar. 21, 1940, as shown; and on the word "Merrimac" since 1856.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 556,476. The Philip Carey Manufacturing Company, Cincinnati, Ohio. Filed May 7, 1948. (Sec. 2f.)

Carey

For Asphalt Compositions.
Claims use since Aug. 1, 1888.

Ser. No. 606,337. James H. Sims, Simsville, Ala. Filed Nov. 13, 1950.

ALA-LU CLOVER

The word "Clover" is disclaimed.
For Clover Seed.
Claims use since Jan. 15, 1949.

CLASS 2

RECEPTACLES

Ser. No. 554,070. Aladdin Industries, Incorporated, Chicago, Ill. Filed Apr. 8, 1948.

HY-LO

Applicant claims ownership of Registration No. 372,860.
For Lunch Boxes, Lunch Kits, and Picnic Kits All Made of Sheet Metal and Sold Empty or With Vacuum Bottles Therein.
Claims use since July 1, 1941.

Ser. No. 563,747. Manahan Moth Paper Company, New York and Brooklyn, N. Y. Filed Aug. 19, 1948. (Sec. 2f.)

Manahan

Applicant claims ownership of Registration No. 47,903.
For Collapsible Storage Chests, Wardrobe Box Bags, Storage Bags, and Storage Box Bags, All Made of Paper.
Claims use since May 11, 1905.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 565,230. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Sept. 16, 1948. (Sec. 2f.)

SUPER-BRITE

Applicant claims ownership of Registration No. 418,148.
For Bowling Alley Combination Cleaner and Polish.
Claims use since Apr. 20, 1942.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 571,654. Monsanto Chemical Company, St. Louis, Mo. Filed Jan. 5, 1949.

LAUXTOL

Applicant claims ownership of Registrations Nos. 367,480 and 433,394.
For Preservatives for Wood, Lumber, and Other Cellulosic Materials.
Claims use since June 27, 1941.

Ser. No. 582,271. Casco Products Corporation, Bridgeport, Conn. Filed July 21, 1949.

PERFECTICIDE

For Filled Insecticide Dispenser in the Nature of Valved Pressure Containers.
Claims use since July 13, 1949.

Ser. No. 582,421. Powell Duffryn Limited, London, England. Filed July 23, 1949.

PANCOTHERM

Applicant claims ownership of British Registration No. 674,778, dated Nov. 23, 1948.
For Chemical Substances for Use in Industry—Namely, Thermoplastic Moldable Compositions Such as a Copolymer Derived From Acenaphthylene and Any Other Accepted Monomer Such as Methyl Methacrylate, Vinyl Acetate, Butadiene, Maleic Anhydride, and the Like.

Ser. No. 588,553. Commercial Solvents Corporation, New York, N. Y. Filed Nov. 30, 1949.

DILAN

For Chemical Toxicants for Use in the Manufacture and Formulation of Agricultural Insecticides.
Claims use since Oct. 10, 1949.

Ser. No. 590,605. John W. Maxwell, trading and doing business as Wood Bond Co., Wilmington, N. Y. Filed Jan. 10, 1950.



For Chemical Composition Comprising a Thermo-Setting Plastic, for Use in Finishing Wood.
Claims use since September 1949.

Ser. No. 590,770. Warren-Douglas Chemical Co. Inc., Omaha, Nebr. Filed Jan. 12, 1950.

Warlasco

For 2,4-D Ester Weed Killer, 2,4-D Amine Weed Killer, Grain Fumigant, Wood Preservative, Methanol Antifreeze, Acetone, C. P., 25% DDT Spray Concentrate, 45% Chlordane Emulsion, Grease and Oil Absorbent.
Claims use since Mar. 15, 1946.

Ser. No. 593,517. Rudolph Smisek, doing business as Nylo-Save Laboratory, Willoughby, Ohio. Filed Mar. 3, 1950.

NYLO-SAVE

For Rinse for Nylon Hosiery.
Claims use since June 1, 1949.

Ser. No. 594,203. Eutectic Welding Alloys Corporation, New York, N. Y. Filed Mar. 18, 1950.

FLUXOGRAPH

For Welding Flux Material.
Claims use since Mar. 1, 1950.

Ser. No. 594,262. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Mar. 20, 1950.

IROPHORE

For Artificial and Synthetic Chemical Compositions Used in the Manufacture of Perfumery Materials; Natural and Synthetic Essential Oils; Aromatic Chemicals From Natural or Other Sources; Specialties Composed of Combinations of Artificial or Synthetic Perfumery Materials With Natural and Synthetic Essential Oils, and Aromatic Chemicals From Natural or Other Sources.
Claims use since Mar. 1, 1950; and since Mar. 1, 1950, in commerce among the several States and in foreign commerce.

Ser. No. 594,659. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed Mar. 25, 1950.

CORONA

Applicant claims ownership of Registrations Nos. 91,758, 138,958, and 239,464.
For Fungicides and Insecticides in Dusting and Wettable Forms Containing One or More of the Following Ingredients: DDT (Technical Dichlorodiphenyl-Trichloroethane); Metallic Copper (in Tri-Basic Copper Sulphate); Methylated Naphthalenes; Rotenone; Parathion (O,O-Diethyl O, P-Nitrophenylthiophosphate); Sulphur; Zinc Dimethyl Dithiocarbamate; Zinc Ethylene Disdithiocarbamate.
Claims use since Oct. 4, 1912.

Ser. No. 595,502. Knapp-Monarch Company, St. Louis, Mo. Filed Apr. 10, 1950.

Maqik-Rid

The word "Rid" is disclaimed. Applicant claims ownership of Registration No. 443,764.
For Insecticides.
Claims use since Apr. 1, 1950.

Ser. No. 602,775. Pur-O-Pane Bottled Gas Company, Sparta, Ill. Filed Aug. 25, 1950.

PEER-O-PANE

The drawing is lined to indicate blue.
For Propane Gas, a Petroleum Fuel Gas Used Primarily in Cooking Stoves and Heaters, Contained Under Pressure in Metal Cylinders.
Claims use since June 1, 1950.

Ser. No. 604,654. Monsanto Chemical Company, St. Louis, Mo. Filed Oct. 9, 1950.

MP

For Chemical Preservatives for Wood.
Claims use since Aug. 31, 1950.

Ser. No. 604,886. Norris A. Dodson Incorporated, Dover, Del., and Washington, D. C. Filed Sept. 15, 1950.

ARLINGTON

Applicant claims ownership of Registration No. 206,000.
For Embalming Chemicals.
Claims use since July 1, 1924.

Ser. No. 604,902. Calgon, Incorporated, Pittsburgh, Pa. Filed Oct. 14, 1950. (Sec. 2f.)

Instant calgon

The word "Instant" is disclaimed. Applicant claims ownership of Registration No. 306,582.
For Water Softening and Water Conditioning Chemicals for Industrial Laundry, Wet Cleaning, and Home Use.
Claims use since Aug. 4, 1950.

Ser. No. 606,065. Joseph M. Adamo, doing business under the fictitious name and style of Adamo Co., Los Angeles, Calif. Filed Nov. 8, 1950.

PLASTISEAL

For Non-Skid Rug Compounds for Textiles, Carpets, and Rugs.
Claims use since June 14, 1950.

Ser. No. 606,219. The Hubinger Company, Keokuk, Iowa. Filed Nov. 10, 1950. (Sec. 2f as to "Quick.")

QUICK ELASTIC

Applicant claims ownership of Registrations Nos. 290,203, 299,514, and others.
For Laundry Starch.
Claims use since Aug. 29, 1950, as to the mark shown; since Feb. 28, 1931, as to the mark "Quick Elastic"; and since 1881 as to the mark "Elastic."

Ser. No. 606,464. Geigy Company, Inc., New York, N. Y. Filed Nov. 16, 1950.

GYRON

For Preparations for Killing Weeds and Destroying Vermin, Insecticides, Fungicides, Sterilizing Preparations, and Disinfectants.
Claims use since July 24, 1947.

Ser. No. 607,345. Pan American Refining Corporation, New York, N. Y. Filed Dec. 6, 1950.

PAN AMERICAN

The word "Chemicals" is disclaimed. The drawing is lined for red and black. Applicant claims ownership of Registration No. 530,515.
For Plasticizers, Drying or Semi-Drying Oils and Synthetic Resins in the Form of Heavy Liquids, Synthetic Resins, Mixtures of Hydrocarbon Liquid Fractions Derived From Petroleum, and Petroleum Hydrocarbon Solvents, All for General Use in the Industrial Arts.
Claims use since Dec. 20, 1948.

Ser. No. 607,538. Chapman Chemical Company, Memphis, Tenn. Filed Dec. 11, 1950.

AMBRITE

Applicant claims ownership of Registration No. 387,285.
For Insecticidal Wood Preservative.
Claims use since June 27, 1949.

Ser. No. 607,627. D. W. Haering & Co., Inc., San Antonio, Tex. Filed Dec. 13, 1950.

PHENOCHROM GLUCOSATE

Applicant claims ownership of Registrations Nos. 390,866, 407,219, and others.
For Chemical Product Used in Water Treating for Scale, Algae and Corrosion Control, and Otherwise To Prevent the Accumulation of Foreign Matter on the Walls of Pipes or Containers.
Claims use since May 1, 1944.

Ser. No. 607,635. Miller Protecto Products Co., Kalamazoo, Mich. Filed Dec. 13, 1950.

whisk

For Liquid Air Deodorant.
Claims use since Nov. 15, 1950.

Ser. No. 607,648. Stauffer Chemical Company, San Francisco, Calif. Filed Dec. 13, 1950.

R-242

For Pest Control Material Containing p-Chlorophenyl Phenyl Sulfone.
Claims use since Apr. 17, 1950.

Ser. No. 607,651. The Theobald Industries, Kearny, N. J. Filed Dec. 13, 1950.

SCAN

For General House Bleach in Powdered Form.
Claims use since Nov. 16, 1950.

Ser. No. 607,690. Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Filed Dec. 14, 1950.

SOVATEX

For Compound of Petroleum Oils for Softening, Rewetting, Plasticizing and Lubricating Fibers, Both Natural and Synthetic.
Claims use since Nov. 15, 1950

Ser. No. 607,706. Hagan Corporation, Pittsburgh, Pa. Filed Dec. 15, 1950.

HAGAFILM

For Corrosion Preventives and Antifoaming Agents.
Claims use since Nov. 15, 1950.

Ser. No. 607,714. Mid-State Chemical Supply Co., Lindsay, Calif. Filed Dec. 15, 1950.

SPINDLWET

For Wetting Agents Used in Conjunction With Mechanical Cotton Picking Equipment.
Claims use since October 1948.

Ser. No. 607,730. Van Brode Milling Co., Inc., Clinton, Mass. Filed Dec. 15, 1950.

MOTH - STARS

The word "Moth" is disclaimed.
For Insecticides.
Claims use since September 1950.

Ser. No. 607,792. Cargill, Incorporated, Minneapolis, Minn. Filed Dec. 18, 1950.

Miracle Green

For Parasiticides Used With Lawn and Farm Seeds.
Claims use since Mar. 3, 1950.

Ser. No. 607,900. National Aluminate Corporation, Chicago, Ill. Filed Dec. 20, 1950.

HCR

For Ion Exchange Resins.
Claims use since July 17, 1946.

Ser. No. 607,911. West Disinfecting Company, Long Island City, N. Y. Filed Dec. 20, 1950.

DYNEPAL

For Chemical Compositions—Namely, Iodinated Polyethyleneoxidearyl Condensate With Excess Iodine in Liquid and Solid Form.
Claims use since Aug. 1, 1950.

Ser. No. 607,913. West Disinfecting Company, Long Island City, N. Y. Filed Dec. 20, 1950.

WESCODYNE

For Chemical Compositions—Namely, Polyvinylpyrrolidone Iodinate With Excess Iodine in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 607,914. West Disinfecting Company, Long Island City, N. Y. Filed Dec. 20, 1950.

WESCOVYL

For Chemical Compositions—Namely, Polyvinylpyrrolidone in Liquid and Powder Form.
Claims use since Oct. 2, 1950.

Ser. No. 607,915. West Disinfecting Company, Long Island City, N. Y. Filed Dec. 20, 1950.

WESROX

For Chemical Compositions—Namely, Polyethyleneoxidearyl Condensate in Liquid or Solid Form.
Claims use since Oct. 2, 1950.

Ser. No. 607,939. Ciba Limited, Basel, Switzerland. Filed Dec. 21, 1950.

MELAFIX

Applicant claims ownership of Swiss Registration No. 135,482, dated Oct. 20, 1950.
For Chemical Products for Use as Textile Auxiliary Agents.

Ser. No. 607,961. Mathieson Chemical Corporation, Baltimore, Md. Filed Dec. 21, 1950.

GRO-MORE

For Insecticides.
Claims use since Mar. 8, 1950.

Ser. No. 608,106. Consolidated Refining Co., New York, N. Y. Filed Dec. 27, 1950.

CON-TROL

For Fluxing Preparation To Be Added to Precious Metals, Especially Gold and Alloys Thereof, During Melting and Casting Operations and Particularly for Investment and Lost-Wax Precious Metal Castings.
Claims use since Nov. 25, 1949.

Ser. No. 608,245. General Dyestuff Corporation, New York, N. Y. Filed Dec. 30, 1950.

INDANTHRENE

For Coloring Materials, Particularly Dyes for Textile Material.
Claims use since Jan. 1, 1926.

CLASS 7

CORDAGE

Ser. No. 594,316. Broderick & Bascom Rope Company, St. Louis, Mo. Filed Sept. 1, 1949.

YELLOW STRAND

The word "Strand" is disclaimed.
For Wire Rope.
Claims use since 1887.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 589,444. Hargo Sales Corp., New York, N. Y. Filed Dec. 16, 1949.

Folda

For Collapsible Cigarette Holder.
Claims use since Sept. 26, 1949.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 582,214. A. B. Dick Company, Chicago, Ill. Filed July 20, 1949. (Sec. 2f.)

A·B·Dick

Applicant claims ownership of Registration No. 541,993.
For Mimeograph Inks, Mimeograph Protective Covers, (Flexible Ink Impervious Sheets Used to Prevent Quick-Drying Mimeograph Inks From Setting on the Ink Pad of Idle Mimeograph Machines), and Mimeograph Ink Pads.
Claims use since Aug. 9, 1948.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 544,237. Winton Lumber Company, Minneapolis, Minn. Filed Dec. 12, 1947.



The dominant feature of the mark consists in the symmetrical intersection of two oppositely disposed V-shaped elements forming in cooperation the appearance of upper and lower letter "Ws" and also giving in appearance, a distinctive symmetrical "brand."
For Lumber.
Claims use since Jan. 15, 1931.

Ser. No. 554,650. Copco Steel and Engineering Company, Detroit, Mich. Filed Apr. 15, 1948.

Copco

For Residential and Industrial Steel Building Products—Namely, Residential, Commercial, and Industrial Windows, Utility Windows, Storm Sash, Fireplace Hearth Steel Ash Disposal Vent Doors, Ash and Furnace Flue Cleanout Doors, Coal Chutes, Clothes Chute Doors, Milk and Package Receivers, Joist Hangers, Joist Angles, and Steel Door Frames.
Claims use since Dec. 1, 1929.

Ser. No. 575,279. Minnesota Mining and Manufacturing Company, St. Paul, Minn. Filed Mar. 11, 1949.

AGGRECOAT

For Additive for Bituminous Cements to Render Such Cements Water Repellent and To Improve Their Adhesivity.
Claims use since May 1941.

Ser. No. 580,772. Corrulux Corp., Houston, Tex. Filed June 20, 1949.

Corrulux

For Reinforced Plastic Sheets for Use as Walls, Roofs, Partitions, Outdoor Signs, Canopies and Awnings, Fixture Facings, Such as Restaurant and Bar Fixtures.
Claims use since July 28, 1948.

Ser. No. 591,946. Minnesota and Ontario Paper Company, Minneapolis, Minn. Filed Feb. 3, 1950.

WEVELITE

Applicant claims ownership of Registrations Nos. 528,163, 525,103, and others.
For Surface Coated Fiber Composition Board and Blocks.
Claims use since Jan. 5, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 574,595. Starline Inc., Harvard, Ill. Filed Feb. 26, 1949.



The representation of the part of the goods in the central portion of the trade-mark is disclaimed.
For Barn Door Hardware—Namely, Door Tracks, Door Track Brackets, and Door Hangers.
Claims use since Jan. 3, 1949.

Ser. No. 581,889. Presto-Bolt Mfg. Co., Sun Valley, Calif. Filed July 13, 1949.

PRESTO-BOLT

The word "Bolt" is disclaimed.
For Bolts.
Claims use since May 19, 1949.

Ser. No. 583,153. Kirsch Company, Sturgis, Mich. Filed Aug. 8, 1949. (Sec. 2f.)

Kirsch

Applicant claims ownership of Registrations Nos. 98,875, 319,906, and 348,758.
For Curtain Rods and Drapery Hardware—Namely, Extension Curtain Rods, Traverse Rods, Reversible Elbows, Rod Slides, Swinging Cranes, Sleeve Pulley Sets, Drop-In Brackets, Heading Hooks, Cup Hooks, Track Pulley Sets, Overlap Slides, Screw Anchors, Festoon Rings, Festoon Holders, Curtain Weights, Valance Pleaters, Drapery Hooks, Traverse Cord Drops, and Shower Curtain Rings.
Claims use since Jan. 1, 1907.

Ser. No. 588,056. United States Plywood Corporation, New York, N. Y. Filed Nov. 18, 1949.

GLASWELD

For Pipe, Tubing, and Fittings, Such as, T's, Elbows, and Couplings, Made of a Laminated Construction Glass Fiber Cloth or Mat and a Plastic Resin.
Claims use since Sept. 30, 1949.

Ser. No. 594,225. The London Aluminium Company Limited, Witton, Birmingham, England. Filed Mar. 18, 1950.



"Aluminium," "A," and "AA" are disclaimed. Applicant claims ownership of British Registration No. 498,511, dated Dec. 28, 1938.
For Aluminium Saucepans, Aluminium Kettles, Basins, Bowls, Cake Molds, Jelly Molds, Coffee-Pots, Coffee Percolators, Tea-Pots, Tea-Urns, Tea Sets, Tea Trays, Serving Trays, Egg-Cups, Condiment Sets, Dish Covers, Vegetable Dishes, Vegetable Strainers, Pie Dishes, Colanders, Cocktail Shakers, and Serviette Rings, Being Goods All Made From Aluminium.

Ser. No. 595,694. The Wolcott Company, Hartford, Conn. Filed Apr. 13, 1950.

REFRIG A TRAY

The word "Tray" is disclaimed.
For Metal Trays for Use on Tops of Refrigerators.
Claims use since Jan. 27, 1950.

Ser. No. 600,204. West Bend Aluminum Co., West Bend, Wis. Filed July 3, 1950.



The word "Kitchen" is disclaimed.
For Cooking Utensils—Namely, Pans, Skillets, Roasters, Casseroles, Kettles, Coffee Makers, and Griddles.
Claims use since July 1, 1925.

Ser. No. 600,437. The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Filed July 10, 1950.

HPM

Applicant claims ownership of Registrations Nos. 373,144 and 400,672.
For Valves Used in Hydraulic Control Systems—Namely, Spool-Type Distributing Valves, Pressure Relief Valves, Check Valves, Unloading Valves, Combination Pressure Relief and Check Valves, Surge Valves, and Choke Valves.
Claims use since March 1926.

Ser. No. 600,752. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed July 17, 1950. (Sec. 2f.)

PEARSON

For Nails.
Claims use since January 1890.

Ser. No. 603,677. Gagnier Fibre Products Company, Detroit, Mich. Filed Sept. 18, 1950.



For Clip Type Metal Fasteners.
Claims use since Aug. 8, 1950.

Ser. No. 606,634. Steels & Busks Limited, trading as S. & D. Rivet Co., Leicester, England. Filed Nov. 18, 1950.

ARIEL

Applicant claims ownership of British Registrations Nos. 634,127 and 634,128, dated Jan. 8, 1945.
For Bifurcated and Tubular Rivets, and Upholstery Nails.

Ser. No. 610,390. T & N Valve Company, Shandon, Calif. Filed Feb. 21, 1951.

TV

The mark consists of a monogram of the letters "T, R, V," over a rocker.
For Float Valves.
Claims use since Sept. 21, 1950.

Ser. No. 611,048. Taco Heaters, Incorporated, Providence, R. I. Filed Mar. 8, 1951.

HY-VENT

The word "Vent" is disclaimed.
For Valves for Use in Conjunction With Heating Systems and Systems Requiring Air or Gas To Be Removed Therefrom.
Claims use since May 11, 1950.

Ser. No. 611,512. Flat Metal Manufacturing Company, Franklin Park, Ill. Filed Mar. 19, 1951.

Skipper

For Shower Cabinets.
Claims use since Jan. 17, 1951, as shown.

Ser. No. 611,557. W. J. Burke & Co., San Francisco, Calif. Filed Mar. 20, 1951.

ACME

For Form Clamp of the Type Used in Constructing Form Walls.
Claims use since May 15, 1950.

Ser. No. 611,851. National Silver Company, New York, N. Y. Filed Mar. 27, 1951.

CHUG-A-MUG

The word "Mug" is disclaimed.
For Mug Made of Base Metal.
Claims use since Jan. 8, 1951.

Ser. No. 612,079. Lilee Products, Inc., Chicago, Ill. Filed Mar. 31, 1951.

SpaceMaster

For Racks Designed To Be Affixed to the Wall or Door To Support and Hold Brooms, Brushes, Towels, Umbrellas, Tools, Neckties, Soap and Other Packages, Play Implements and Other Household, Garage, Playroom, and Related Items.
Claims use since Sept. 26, 1950.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 591,029. General Cable Corporation, New York, N. Y. Filed Jan. 18, 1950.

TENSILOK

For Copper in the Form of Bars, Rods, Wires, Cables, and Metal Tubing Stock.
Claims use since Sept. 26, 1949.

Ser. No. 604,583. Kloster Steel Corporation, Chicago, Ill. Filed Oct. 7, 1950.

Clipper

For Die and Tool Steel.
Claims use since June 11, 1935.

Ser. No. 610,556. Gulf Minerals Corporation, Baton Rouge, La. Filed Feb. 27, 1951.

GOLFO

For Lead Ingots and Lead Pigs.
Claims use since Aug. 10, 1950.

Ser. No. 614,612. Bow Solder Products Co., Inc., Brooklyn, N. Y. Filed June 1, 1951.

TARGET

For Solder.
Claims use since Apr. 23, 1951.

Ser. No. 614,760. Wilbur B. Driver Company, Newark, N. J. Filed June 5, 1951.

RODAR

For Rod, Wire, and Flat Strip Formed of Nickel, Cobalt, and Iron Alloys.
Claims use since Nov. 13, 1950.

Ser. No. 615,046. Bauer Alphabets Inc., New York, N. Y. Filed June 12, 1951.

Futura

For Printing Type of Various Cases.
Claims use since Oct. 14, 1949.

Ser. No. 615,578. Herbert A. Reece, Cleveland Heights, Ohio. Filed June 22, 1951.

REECEMELT

For Iron and Steel Castings.
Claims use since Apr. 27, 1951.

Ser. No. 616,231. The International Nickel Company, Inc., New York, N. Y. Filed July 9, 1951.

141

For Nickel Welding Electrodes.
Claims use since June 18, 1951.

CLASS 15

OILS AND GREASES

Ser. No. 592,853. Verkade's Fabrieken, N. V., Zaandam, Netherlands. Filed Feb. 21, 1950.



VERKADE

The word "Verkade" is disclaimed. Applicant claims ownership of Dutch Registration No. 85,191, dated Aug. 23, 1946.
For Paraffin, Tapers and Candles Made Therefrom for Heating and Lighting Purposes.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 540,297. Mautz Paint & Varnish Company, Madison, Wis. Filed Nov. 6, 1947. (Sec. 2f.)

MAUTZ

Applicant claims ownership of Registration No. 288,413.
For Ready Mixed Paints for Interior and Exterior Use on Wood, Metal, Roofs, Walls, Floors, and Decks; Ready Mixed Paint Primers and Sealers for Interior and Exterior Use on Wood, Metal, and Walls; Spar and Floor Varnish for Interior and Exterior Use on Wood and Linoleum; Paint Enamel for Interior and Exterior Use on Wood, Metal, and Walls; Penetrating Stain for Use on Wood; Paint and Varnish Thinners—Namely, Linseed Oil, Flattening Oil, and Turpentine; Lacquer; Lacquer Thinner; Liquid Paint and Varnish Remover; Bronze and Aluminum Powders for Use in Paints; Bronzing Liquid; Aluminum Paint for Exterior and Interior Use; Prepared Shellac; Shellac Thinner—Namely, Alcohol; and Japan Dryer.
Claims use since 1922.

Ser. No. 540,300. Mautz Paint & Varnish Company, Madison, Wis. Filed Nov. 6, 1947.



For Ready Mixed Paints for Interior and Exterior Use on Wood, Metal, Roofs, Walls, Floors, and Decks; Ready Mixed Primers and Sealers for Interior and Exterior Use on Wood, Metal, and Walls; Spar and Floor Varnish for Interior and Exterior Use on Wood and Linoleum; Paint Enamel for Interior and Exterior Use on Wood, Metal, and Walls; Penetrating Stain for Use on Wood; Paint and Varnish Thinners—Namely, Linseed Oil, Flattening Oil, and Turpentine; Lacquer; Lacquer Thinner; Liquid Paint and Varnish Remover; Bronze and Aluminum Powders for Use in Paints; Bronzing Liquid; Aluminum Paint for Exterior and Interior Use; Prepared Shellac; Shellac Thinner—Namely, Alcohol; and Japan Dryer.
Claims use since 1935.

Ser. No. 548,153. Enterprise Paint Manufacturing Company, Chicago, Ill. Filed Jan. 28, 1948.

MAGICOLOR

For Interior and Exterior Ready-Mixed Paints, Paint Enamels, Combination Ready-Mixed Plaster and Paint Suitable for Providing a Textured Finish, Varnishes, Lacquers, Shellac, Varnish Stains, Wood Dye Oilstains, Shingle Stain, Linoleum Finish, Rubberized Floor Enamel, Asphalt Tile Sealer and Finish, Liquid Floor Sealer, Paste Wood Filler, Colors in Oil, Paint Remover (Suitable for Removing Paint, Enamel, Varnish, or Lacquer), Paste Paint and Varnish Remover, Linoleum Finish Remover, Rubberized Floor Enamel Thinner, and Paint Thinner.
Claims use since Feb. 1, 1937.

Ser. No. 555,056. Country Stores Brands, Inc., Chicago, Ill. Filed Apr. 20, 1948.

COUNTRY STORES

For Ready Mixed Oil Paint.
Claims use since Jan. 27, 1948.

Ser. No. 594,577. F. O. Pierce Company, Long Island City, N. Y. Filed Mar. 24, 1950.

SATINTEX

For Smooth Semi-Gloss Flat Paint and Enamel Finish for Walls, Woodwork, and All Interior Use.
Claims use since Dec. 31, 1930.

Ser. No. 602,611. General Paint Corporation of Canada Limited, Vancouver, British Columbia, Canada. Filed Aug. 23, 1950.

MonaGlo

Priority under Sec. 44(d). Canadian application filed Feb. 25, 1950; Reg. No. N. S. 34,473/134, dated Feb. 25, 1950. The word "Glo" is disclaimed.
For Enamels.

Ser. No. 605,466. Chemical Service of Baltimore, Baltimore, Md. Filed Oct. 27, 1950.

CETOX

For Floor Wax.
Claims use since Sept. 15, 1950.

Ser. No. 606,496. The Sherwin-Williams Company, Cleveland, Ohio. Filed Nov. 16, 1950.

HEETCLAD

For Lacquers.
Claims use since Aug. 1, 1950.

Ser. No. 606,124. Prima Products, Inc., New York, N. Y. Filed Dec. 27, 1950.

SILIPHANE

For Water Repellent Film Coating for Building Structures.
Claims use since Nov. 27, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 559,255. Southwestern Drug Corporation, doing business as Red Arrow Laboratories, Waco, Tex. Filed June 15, 1948.

ORAFRESH

For Antiseptic Mouth Wash.
Claims use since May 24, 1948.

Ser. No. 566,350. Maltbie Laboratories, Inc., Newark, N. J., by change of name from The Maltbie Chemical Company. Filed Oct. 2, 1948.

CALCREOSE

For Preparation for the Treatment of Chronic and Acute Coughs.
Claims use since Dec. 1, 1911.

Ser. No. 567,748. Aspirin Company of America, New York, N. Y., assignor to American Pharmaceutical Company, New York, N. Y., a corporation of New Jersey. Filed Oct. 28, 1948.

C.S.A.

For Medicinal Preparation Having as Active Ingredients Calcium Succinate and Acetylsalicylic Acid for Treatment of Arthritis and Rheumatism.
Claims use since Sept. 13, 1948.

Ser. No. 572,018. Ciba Limited, Basel, Switzerland. Filed Jan. 12, 1949.

BRADOSOL

Applicant claims ownership of Swiss Registration No. 126,259, dated Sept. 14, 1948.
For Antiseptic Preparation—Namely, Disinfectant.

Ser. No. 582,165. Jules V. Cordes, doing business as Shield Laboratories, Detroit, Mich. Filed July 19, 1949.

RIASO

For Preparation for the Treatment of Psoriasis.
Claims use since May 31, 1940.

Ser. No. 582,167. Jules V. Cordes, doing business as Shield Laboratories, Detroit, Mich. Filed July 19, 1949.

RIASOS

For Preparation for the Treatment of Psoriasis.
Claims use since July 1, 1947.

Ser. No. 582,283. Casimir Funk Laboratories, Inc., New York, N. Y. Filed July 21, 1949.

ORASORBS

For Pharmaceutical Preparation of Crystalline Testicular Hormone in Tablet Form for Transmucosal Absorption.
Claims use since July 1, 1949.

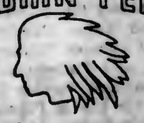
Ser. No. 583,054. Schwarz Laboratories, Inc., New York, N. Y. Filed Aug. 5, 1949.

TRIPADENE

For Adenosine Triphosphoric Acid for Therapeutic Uses.
Claims use since June 23, 1949.

Ser. No. 583,206. Albert C. Hinton, Pittsburgh, Pa. Filed Aug. 9, 1949.

INDIAN PEP



For Liniment for the Relief of Pains Resulting From Rheumatism, Neuralgia, Cramps, and Stiff Joints.
Claims use since Mar. 5, 1948.

Ser. No. 585,983. Abbott Laboratories, North Chicago, Ill. Filed Oct. 8, 1949.

ADSORL

For Vitamin A and D Preparation Used as a Dietary Aid.
Claims use since Sept. 28, 1949.

Ser. No. 591,361. Paul B. Elder Co., Bryan, Ohio. Filed Jan. 24, 1950.

BALMZANE

For Liquid Balm for Relieving Pain in the Human Body.
Claims use since Oct. 31, 1949.

Ser. No. 592,523. Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc., a corporation of California. Filed Feb. 15, 1950.

Talmin

For Antacid Tablet.
Claims use since Jan. 20, 1950.

Ser. No. 593,033. Henry K. Wampole & Company, Incorporated, Philadelphia, Pa. Filed Feb. 24, 1950.

ORGAPHEN

Applicant claims ownership of Registration No. 109,301.
For Medicinal Iodine Preparation for Internal Use, the Therapeutic Components of Which Are Phenobarbitol and Compounds of Iodine.
Claims use since Nov. 18, 1949.

Ser. No. 593,287. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Filed Mar. 2, 1950.

PICRO-BENZYL

The drawing is lined for red. Applicant claims ownership of Registration No. 306,646.
For Medical Preparation—Namely, an Ointment for the Treatment of Burns.
Claims use since June 15, 1933.

Ser. No. 594,647. Kenwood Laboratories, Inc., Brooklyn, N. Y. Filed Mar. 25, 1950.

TRISED

For Tablet Preparation Used as a Sedative.
Claims use since Nov. 22, 1949.

Ser. No. 596,040. Mezger Pharmacal Co., Inc., Roslyn Heights, N. Y. Filed Apr. 20, 1950.

OXYFAX-20

For Medicinal Preparation in Capsule Form—Namely, a Hormone Vitamin Product Indicated for Use in the Management of Atherosclerosis and for Hypotonia.
Claims use since Mar. 20, 1950.

Ser. No. 596,437. Parlam Corporation, New York, N. Y. Filed Apr. 27, 1950.

PARLUGUAN

For Anti-Malarial Drugs.
Claims use since Mar. 1, 1950.

Ser. No. 596,887. Vitaminerals, Inc., Glendale, Calif. Filed May 4, 1950.

VM

Applicant claims ownership of Registrations Nos. 357,104, 510,035, and 510,846.
For Medicinal and Pharmaceutical Preparations—Namely, Amino Acid Preparations, Analgesic Balm, Anesthetic Ointment, Astringent Preparation, Benzocaine, Bile Salts, Bone Marrow, Bone Meal for Use as a Source of Calcium and Phosphorus, Calcium Preparations, Carotene Preparations, Chlorophyll, Colloidal Sulphur, Digestive Enzymes, Estrogens, Extract of Ox Bile, Fatty Acid Preparations, Garlic Extracts, Glutamic Acid Preparations, Herbal Preparations, Iodine Preparations, Iron Preparations, Iron Sulphate Preparations, Kelp Extracts, Laxatives, Liver Preparations, Mineral Concentrate Preparations, Mineral Ointments, Mineral Rectal Suppositories, Multiple Vitamin Preparations, Pancreatin, Papain, Phosphorus Preparations, Protein Hydrolysates, Quaternary Ammonium Compounds, Rutin, Testosterone, Vitamins A, B-Complex, C, D, E, F, K and P; and Yeast Preparations.
Claims use since Aug. 1, 1933.

Ser. No. 597,868. Barker, Moore & Mein Company, Philadelphia, Pa. Filed May 22, 1950.

THIOCOX

For Compound for the Prevention and Control of Cecal Coccidiosis in Chickens.
Claims use since Mar. 22, 1950.

Ser. No. 600,007. A. H. Crundall Proprietary Limited, Melbourne, Victoria, Australia. Filed Dec. 28, 1949.

ASPAXADRENE

Applicant claims ownership of Australian Registration No. 79,576, dated Nov. 11, 1942.
For Inhalants for the Treatment of Asthma and Other Respiratory Diseases.

Ser. No. 602,211. Nutrition Products Corporation, South Pasadena, Calif. Filed Aug. 15, 1950.

TEK-CAL

The drawing is lined for blue.
For Vitamin and Mineral Tablets and Vitamin and Mineral Aqueous Solution.
Claims use since Mar. 15, 1950.

Ser. No. 604,372. Kinney and Company, Columbus, Ind. Filed Oct. 3, 1950.

CARBOPHOS

For Preparation Containing Acid and Sugar for the Prevention of Vomiting.
Claims use since June 12, 1950.

Ser. No. 605,236. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Oct. 20, 1950.

ESKACILLIN-SULFAS

The word "Sulfas" is disclaimed. Applicant claims ownership of Registration No. 500,931.
For Antibiotic-Sulfonamide Preparation.
Claims use since Oct. 5, 1950.

Ser. No. 606,571. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Nov. 17, 1950.

'DELTRA'

Applicant claims ownership of Registration No. 503,514.
For Steriod Compound Having Therapeutic Properties for Use in Hormonal Therapy.
Claims use since Aug. 14, 1950.

Ser. No. 606,610. Clarence E. Henry, Pasco, Wash. Filed Nov. 18, 1950.

Formula 1447

The word "Formula" is disclaimed.
For Medicine—Namely, an Antacid Preparation.
Claims use since Oct. 21, 1950.

Ser. No. 607,198. Schenley Laboratories, Inc., New York, N. Y. Filed Dec. 1, 1950.

SYNCROBINA

For Penicillin and Dihydrostreptomycin Product for Aqueous Injection and for Use in Tablet and Ointment Form.
Claims use since Nov. 15, 1950.

CLASS 19

VEHICLES

Ser. No. 587,501. Piper Aircraft Corporation, Lock Haven, Pa. Filed Nov. 8, 1949. (Sec. 2f.)

STINSON

For Airplanes and Structural Parts Thereof.
Claims use since February 1926.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 579,816. Grey Iron Casting Company, Mount Joy, Pa. Filed June 1, 1949. (Sec. 2f.)

AMERICAN FAMILY

For Sets of Toy Miniature Replicas of Persons, Animals, Furniture, and Houses.
Claims use since 1938.

Ser. No. 589,515. Sandy Lang, Chicago, Ill. Filed Dec. 17, 1949.

KLIK-KLAK

Applicant claims ownership of Registration No. 261,409.
For Tethered Ball Toys—Namely, a Toy to Which Are Attached a Pair of Cups and a String Having a Ball Attached to its Outer End, Said Ball Adapted To Be Reciprocated Between Said Cups.
Claims use since Apr. 12, 1929.

Ser. No. 598,187. Ideal Novelty & Toy Co., New York, N. Y., now by change of name Ideal Toy Corporation, a corporation of New York. Filed May 26, 1950.

PETE *and* REPETE

For Dolls.
Claims use since Mar. 6, 1950.

Ser. No. 602,228. The Sun Rubber Company, Barberton, Ohio. Filed Aug. 15, 1950.

"Cindy-Lee"

The name "Cindy-Lee" is fanciful.
For Layettes, Including Clothing and Equipment, for Dolls.
Claims use since July 27, 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 538,286. J O Manufacturing Co., South Gate, Calif. Filed Oct. 18, 1947.

JO LINE

The word "Line" is disclaimed.
For Mechanics' Hand Tools—Namely, Torque Wrenches, Open End Wrenches, Sockets and Adapters for Wrenches, Spanner Wrenches, and Hand Drills.
Claims use since Dec. 1, 1943.

Ser. No. 551,173. Eastman Machine Company, Buffalo, N. Y. Filed Mar. 4, 1948. (Sec. 2f.)

EASTMAN

For Cloth Cutting Machines and Parts Thereof.
Claims use since 1898.

Ser. No. 562,320. Chase Turbine Mfg. Co., Orange, Mass. Filed July 28, 1948.

WHIRL WIND

For Sawdust Blowers.
Claims use since 1918.

Ser. No. 569,307. Societe Anonyme André Citroën, Paris, France. Filed Nov. 23, 1948. (Sec. 2f.)

For Traction Engines, Internal-Combustion Engines, and Structural Parts Thereof.
Claims use since June 10, 1920; and first used in commerce between France and the United States in 1937.

Ser. No. 569,526. Lake Shore Engineering Company, Iron Mountain, Mich. Filed Nov. 27, 1948.

MAGIE WINCH

No claim is made to the word "Winch."
For Cargo Winches.
Claims use since July 1942.

Ser. No. 570,316. The Oliver Corporation, Chicago, Ill. Filed Dec. 10, 1948.

The word "Turning" is disclaimed.
For Tractors.
Claims use since Oct. 15, 1948.

Ser. No. 571,387. Accurate Parts Manufacturing Company, Cleveland, Ohio. Filed Nov. 10, 1948. (Sec. 2f as to "Accurate.")

CLUTCH Accurate SERVICE

The words "Clutch Service" are disclaimed. Applicant claims ownership of Registration No. 430,469.
For Automotive Clutches and Parts Thereof, Clutch Plates, Clutch Facings and Springs, Screws, Bolts, Nuts, Pressure Plates, Levers, and Washers for Clutches.
Claims use since Jan. 18, 1946, on the mark as shown, and since July 1, 1925, on the word "Accurate."

Ser. No. 572,908. The Majax Co., Waco, Tex. Filed Jan. 27, 1949.

CLEAR-O-LATOR

The word "Clear" is disclaimed.
For Mechanical Apparatus for Treating and Clarifying Water and Other Liquids by Precipitation, Settling, and Removing Impurities.
Claims use since May 3, 1938.

Ser. No. 579,202. Mill & Mine Supply, Inc., Seattle Wash., assignor to Titan Chain Saws, Inc., Seattle, Wash. Filed May 20, 1949.

BLUE STREAK

For Gasoline Powered Chain Saws.
Claims use since Dec. 1, 1948.

Ser. No. 580,261. Potdevin Machine Company, Brooklyn, N. Y. Filed June 10, 1949.

POTDEVIN

For Machines for Making Paper Bags and Tubes, Paper Printing and Paper Coating Machines.
Claims use since July 1938.

Ser. No. 588,747. The Cronite Co., Inc., New York, N. Y. Filed Dec. 3, 1949.

WIPE-O-MATIC

The word "Wipe" is disclaimed.
For Wiping Attachment for Printing Press for Printing From Intaglio Engraved Plates and Dies Comprising the Feed Mechanism for the Belt, Including Various Gears and Rollers and the Belt Itself and the Means for Removing Ink From the Belt so That the Ink Can Be Reused.
Claims use since Oct. 14, 1949.

Ser. No. 591,451. Bridge Hardware Co., Inc., New York, N. Y. Filed Jan. 26, 1950. (Sec. 2f.)

SHELBY RIXSON

For Spring Hydraulic Closing Pumps, Automatic Door Openers and Door Closers, and Hydraulic Jacks.
Claims use since January 1935.

Ser. No. 592,239. Washburn & Granger, Inc., New York, N. Y. Filed Feb. 9, 1950. (Sec. 2f.)

DEAN

For Cabinet Type Steam and Hot Water Washers and Sterilizers for Garbage and Waste Cans.
Claims use since Sept. 28, 1906.

Ser. No. 593,177. George F. Hoffman, New York, N. Y. Filed Feb. 28, 1950.

"WALDORF-ASTORIA"

For Hand Tool for Removing Caps From Bottles and Cans.
Claims use since Feb. 1, 1950.

Ser. No. 593,759. W. L. W. Grinding and Manufacturing Company, Inc., Chicago, Ill. Filed Mar. 10, 1950.

CORONET

Scissors—Namely, Pinking Shears.
Claims use since Jan. 28, 1950.

Ser. No. 596,245. Sunnen Products Company, St. Louis, Mo. Filed Apr. 24, 1950.

SUNNEN HONALL

The word "Sunnen" is disclaimed. Applicant claims ownership of Registration No. 515,264.
For Honing Tools and Parts Thereof—Namely, a Head and Driver, Mandrel Adapter, Mandrel, Honing Stone and Truing Sleeve and a Wrench, Used for Sizing and Finishing Holes and Cylindrical Surfaces and Specifically in Sizing and Finishing Dowel Pins, Leader and Ejector Pin Holes and Holes in Extrusion Dies and Like Structures, and the Correction of Out of Roundness or Warpage in an Original Hole or Surface, Maintaining True Axial Alignment With the Original Bore in Metal and Performing Similar Work.
Claims use since Nov. 4, 1949.

Ser. No. 597,080. The Huffman Manufacturing Company, Dayton, Ohio. Filed May 8, 1950.

HUFFY-MOWER

The word "Mower" is disclaimed.
For Electrically Operated Lawn Mower.
Claims use since Jan. 27, 1950.

Ser. No. 598,229. Wilson Jones Company, Chicago, Ill. Filed May 26, 1950.

Marvel

For Portable Envelope Opening Machines.
Claims use since May 11, 1950.

Ser. No. 598,331. Specialized Instruments Corporation, Belmont, Calif. Filed May 29, 1950.

spinco

For Centrifuge Equipment—Namely, Ultra-Centrifuges.
Claims use since June 1, 1947.

Ser. No. 604,918. Monark Silver King, Inc., Chicago, Ill. Filed Oct. 14, 1950.

Rotomatic

For Lawnmowers.
Claims use since Oct. 6, 1950.

Ser. No. 604,949. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed Oct. 16, 1950. (Sec. 2f as to "Allis-Chalmers.")



Applicant claims ownership of Registrations Nos. 14,423, 158,327 and others.
For Agricultural Machinery and Implements for Soil Tillage, Planting, Harvesting and Fertilizing; Machinery for Material Comminuting, Material Packing, Mechanical Power Transmission, Fluid Pumping, Gas Compressing, Mechanical Size Grading; Mechanical Separators, Material Conveyers; Machinery and Implements for Wood Processing; Tractors, Motor Graders, Power Turbines, Mechanical Agitators, Internal Combustion Power Apparatus, Mechanical Samplers, Solvent Extraction Apparatus, Kiln Boring Apparatus; and Parts Thereof.
Claims use since May 13, 1949, on the mark as shown; and since Nov. 1, 1903, on the term "Allis-Chalmers."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 578,740. Technicon Chromatography Corporation, New York, N. Y., assignor to The Technicon Company, New York, N. Y., a partnership composed of Edwin C. Weiskopf and Edwin C. Whitehead. Filed May 12, 1949.

technicon

Applicant claims ownership of Registrations Nos. 407,208, 435,532, 501,455, 504,740, and 510,831.
For Apparatus for Collecting Fractions or Samples of Materials for Chromatographic Analysis or Other Purposes.
Claims use since Jan. 7, 1948.

Ser. No. 593,159. Bendix Aviation Corporation, Detroit, Mich. Filed Feb. 28, 1950. (Sec. 2f.)

FRIEZ

Applicant claims ownership of Registration No. 314,828.
For Indicating and/or Recording Instruments for Measuring the Value of a Condition, or a Combination of Conditions, of Temperature, Humidity, Fluid Pressure, Wind Direction, Wind Velocity, Rainfall, Snowfall, Liquid Level of Fluid Media, Evaporation of Fluid Media, Sunshine Duration; Controlling Instruments Responsive to Variations in the Value of a Condition, of Temperature and/or Humidity, and the Same Combined With Means for Indicating or Recording the Value of Said Condition; Anemographs; Anemometers; Barographs; Barometers; Evaporation Gages; Hygrographs; Hygrometers; Hygrostats; Hygrothermographs; Humidity Indicators; Microbarographs; Multiple Station Temperature and Humidity Recorder Controllers; Psychrometers and Psychrometric Slide Rules and Tables; Rain and Snow Gages, Recording and Non-Recording; Radiosondes and Radiosonde Recorders; Renewable Charts or Chart Rolls for Recording Instruments; Sunshine Duration Recorders; Thermographs; Thermometers; Water Level Recorders; Wind Direction Transmitters, Indicators and Recorders; Wind Velocity Transmitters, Indicators, and Recorders; Wind Direction and Velocity Transmitters, Indicators, and Recorders.
Claims use since May 1932.

Ser. No. 598,981. Clay-Adams Company, Inc., New York, N. Y. Filed June 13, 1950.

GOLD SEAL

Applicant claims ownership of Registration No. 234,920.
For Microscope Slides, Microscope Cover Glasses.
Claims use since 1928.

Ser. No. 599,190. Raytheon Manufacturing Company, Newton, Mass. June 15, 1950.



For Apparatus for Measuring Distance, Particularly Underwater Sound Apparatus—Namely, Apparatus for Determining Depths of Water, Soundings, and Distances by the Use of Reflected Sound Waves or by Similar Acoustic Methods; and Radar Apparatus—Namely, Apparatus for Detecting and Locating Objects by the Use of Radiated Electromagnetic Energy.
Claims use since May 1924.

Ser. No. 607,467. Wyeth Incorporated, Philadelphia, Pa. Filed Dec. 8, 1950.

TELE-CLINIC

For Educational Moving Pictures Published From Time to Time.
Claims use since Oct. 18, 1950.

Ser. No. 607,582. Norman W. Edmund, doing business as Anchor Optical Company, Audubon, N. J. Filed Dec. 12, 1950.

ANCHOR

For Binoculars and Magnifiers.
Claims use since Oct. 27, 1950.

Ser. No. 609,276. Bachmann Bros., Inc., Philadelphia, Pa. Filed Jan. 26, 1951.

MAJESTIC

Applicant claims ownership of Registration No. 291,431.
For Sunglasses and Goggles.
Claims use since Aug. 14, 1931.

Ser. No. 610,195. The Technicon Company, New York, N. Y. Filed Feb. 16, 1951.

technicon

Applicant claims ownership of Registrations Nos. 407,208, 435,532, and others.
For Apparatus and Implements Used in the Preparation of or in Connection With Microscope Slides of Histological Tissue Specimens—Namely, Paraffin Baths, Tissue Washers, Water Baths, Pipette Washers, Slide Driers, Paraffin Knives, and Slide-Filing Cabinets.
Claims use since June 1939.

Ser. No. 611,145. Pennsylvania Optical Company, also known as Pennsylvania Optical Co., Reading, Pa. Filed Mar. 10, 1951.

PENOPTIC

For Welding Goggle and Welding Helmet Lenses.
Claims use since Dec. 5, 1950.

Ser. No. 611,721. RKO-Pathe Inc., New York, N. Y. Filed Mar. 23, 1951.

SPORTSCOPE

For Series of Motion Picture Films.
Claims use since Jan. 28, 1938.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 585,002. Weinreich Brothers Company, New York, N. Y. Filed Sept. 17, 1949.

CROWN PRINCE

For Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Strings of Pearls, All Pearl Jewelry for Personal Wear and Adornment Not Including Watches.
Claims use since June 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 569,702. International Standard Electric Corporation, New York, N. Y. Filed Dec. 1, 1948.

Standard ISE Electric

All the wording except the word "International" and the letters "Ise" are disclaimed. Applicant claims ownership of Registration No. 235,447.
For Household Refrigerators, Refrigeration Condensing Units, Electrical Water Coolers.
Claims use since Sept. 30, 1947.

Ser. No. 571,912. Oilux Corporation, Fort Wayne, Ind. Filed Jan. 10, 1949.

Hydro-Lux

No claim is made to the term "Hydro."
For Water Softening Apparatus of the Type Wherein Water is Circulated Through a Tank Containing Zeolite or Other Water Softening Agent.
Claims use since Dec. 17, 1947.

Ser. No. 581,203. Omega Machine Company, Providence, R. I. Filed June 28, 1949.



For Dust Collectors of the Filter-Cloth Bag Type for General Industrial Use.
Claims use since September 1932.

Ser. No. 588,614. American Air Filter Company, Inc., Louisville, Ky. Filed Dec. 1, 1949.

AAF

Applicant claims ownership of Registrations Nos. 384,924 and 389,686.
For Air Porous, Sheet-Like Filter Media in the Forms (1) of Prefabricated Pockets of Woven Glass and Cloth for Mechanical Dry-Type Dust Arrestors or Collectors of the Vibrating Pocket Type; and (2) of Precut-to-Size Sheets of (a) Fiber Glass, Paper and Cloth for Mechanical Dry-Type Dust Arrestors or Collectors of the Vibrating Pocket Type, (b) Fiber Glass, Paper, Synthetic Fibers and Cotton Wadding for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame and Stationary Pocket Types, and (c) Fiber Glass and Paper Having Dielectric Properties for Electrical Ventilating Air Cleaners of the Stationary Dry Cell Type and the Domestic Household Type.
Claims use since Aug. 14, 1934.

Ser. No. 588,925. American Air Filter Company, Inc., Louisville, Ky. Filed Dec. 7, 1949.

AIRMAT

Applicant claims ownership of Registration No. 254,196.
For Air Porous, Sheet-Like Filter Media in the Forms (1) of Prefabricated Pockets of Woven Glass and Cloth for Mechanical Dry-Type Dust Arrestors or Collectors of the Vibrating Pocket Type; and (2) of Precut-to-Size Sheets of (a) Fiber Glass, Paper and Cloth for Mechanical Dry-Type Dust Arrestors or Collectors of the Vibrating Pocket Type, (b) Fiber Glass, Paper, Synthetic Fibers and Cotton Wadding for Mechanical Dry-Type Ventilating Air Filters of the Portable Cell, Foldable Frame and Stationary Pocket Types, and (c) Fiber Glass and Paper Having Dielectric Properties for Electrical Ventilating Air Cleaners of the Stationary Dry Cell Type and the Domestic Household Type.
Claims use since January 1928.

Ser. No. 610,761. Remco, Incorporated, Zelienople, Pa. Filed Mar. 2, 1951.

REMCAL

For Molded Desiccant Material Forming a Filler of a Drier Filter Used in a Refrigerating System.
Claims use since Feb. 15, 1951.

Ser. No. 610,963. Glenwood Range Company, Taunton, Mass. Filed Mar. 7, 1951.

Glenwood

For Electric Refrigerators.
Claims use since Feb. 23, 1951.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 579,066. Young Radiator Company, Racine, Wis. Filed May 18, 1949.



Applicant claims ownership of Registration No. 257,040.
For Heat Exchange Devices; Such as Unit Heaters, Convectors, Convector Cabinets, Parts for the Foregoing, Blast Coils, Evaporator Coils, Steam Distributing Coils, and Water Coils for Space Temperature Conditioning; Such as Fluid Temperature Regulating Radiators and Parts Therefor, and Supercharger Intercoolers and Aftercoolers for Use With Stationary and Marine Gas, Gasoline, and Diesel Engines and Air Compressors; and Such as Heat Transfer Apparatus of the Tube and Shell Type Used in Distillation, Chemical Processes, and Cooling of Quenching Oils.
Claims use since September 1927.

Ser. No. 590,644. Jabes Burns & Sons, Inc., New York, N. Y. Filed Jan. 11, 1950.

JB S

Applicant claims ownership of Registration No. 73,447.
For Coffee Roasters and Driers.
Claims use since Apr. 1, 1908.

Ser. No. 591,799. The Powers Regulator Company, Chicago, Ill. Filed Feb. 1, 1950. (Sec. 2f.)

POWERS

For Hand and Power Operated Dampers for Control of Air or Gas Flow, Including Such Types as Louver, Constant Velocity, Hand Quadrant, Single Blade and Round Dampers; Heating Equipment Dampers; and Humidifiers.
Claims use since 1888.

Ser. No. 598,407. Young Radiator Company, Racine, Wis. Filed May 31, 1950.

HSC

The drawing is lined for red.
For Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels Formed Between Closely-Spaced Metal Strips Supported on the Tubes Whereby a Fluid Passage Through the Tubes Is Disposed in Heat Exchange Relationship With a Fluid Passage Through the Air Channels for Use in Cooling Water, Gas, and/or Oil Involved in the Operation of All Kinds of Heat-Creating Equipment, Such as Gas, Gasoline, and Diesel Engines, Fluid Compressors, and in Condensing Steam and Petroleum Vapor.
Claims use since July 20, 1949.

Ser. No. 598,408. Young Radiator Company, Racine, Wis. Filed May 31, 1950.

VAD

For Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels Formed Between Closely-Spaced Metal Strips Supported on the Tubes Whereby a Fluid Passage Through the Tubes Is Disposed in Heat Exchange Relationship With a Fluid Passage Through the Air Channels for Use in Cooling Water, Gas, and/or Oil Involved in the Operation of All Kinds of Heat-Creating Equipment, Such as Gas, Gasoline, and Diesel Engines, Fluid Compressors, and in Condensing Steam and Petroleum Vapor
Claims use since Feb. 28, 1950.

Ser. No. 598,770. Young Brothers Company, Cleveland, Ohio. Filed June 7, 1950 (Sec. 2f as to "Young Brothers")

YB CO YOUNG BROTHERS

For Industrial Ovens and Dryers Including Heating Means.
Claims use since May 25, 1950, on the mark shown; and since 1896 on the words "Young Brothers."

Ser. No. 598,823. American Lava Corporation, Chattanooga, Tenn. Filed June 9, 1950.

ALCO

For Burner Tips for Gas.
Claims use since August 1905.

Ser. No. 600,043. Garden City Plating & Manufacturing Co., Chicago, Ill. Filed June 30, 1950.

GARZAL

For Lighting Fixtures—Namely, Lighting Reflectors.
Claims use since Mar. 14, 1949.

Ser. No. 601,778. Dollinger Corporation, Rochester, N. Y. Filed Aug. 5, 1950.

AIR-TROL

The word "Air" is disclaimed.
For Fireplace Screen.
Claims use since Dec. 17, 1947.

Ser. No. 612,505. Pressure Products Corporation, Chicago, Ill. Filed Apr. 11, 1951.

PREPO TORCH

The word "Torch" is disclaimed. Applicant claims ownership of Registration No. 538,321.
For Small Portable Gas Burners—Namely, Brazing, Soldering, and Welding Torches.
Claims use since Apr. 28, 1950.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 595,292. Technical Rubber Co., Johnstown, Ohio. Filed Apr. 5, 1950.

TECH LOK PLY

For Pneumatic Tire Vulcanising Units.
Claims use since Sept. 21, 1946.

Ser. No. 603,063. Johnson Plastic Corporation, Middlefield, Ohio. Filed Sept. 1, 1950.

JOHNSONITE

For Flexible Plastic Pipe and Tubing, and Flexible Pipe Fittings Made Entirely or in Part of Plastic Material.
Claims use since Sept. 15, 1949.

Ser. No. 608,587. The Anchor Packing Company, Philadelphia, Pa. Filed Jan. 10, 1951. (Sec. 2f.)

SILENT GRIP

Applicant claims ownership of Registration No. 279,189.
For Brake Lining.
Claims use since June 1, 1922.

Ser. No. 608,679. Schwitzer-Cummins Company, Indianapolis, Ind. Filed Jan. 11, 1951. (Sec. 2f.)

AQUA TITE

Applicant claims ownership of Registration No. 385,894.
For Water Pump Seals.
Claims use since Jan. 2, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 502,271. Conover-Cable Piano Co., Chicago, Ill. Original filed, act of 1905, May 17, 1946; amended to application under act of 1946, Principal Register, May 12, 1948. (Sec. 2f.)

Kingsbury

Applicant claims ownership of Registration No. 45,634.
For Pianos.
Claims use since Mar. 22, 1932.

Ser. No. 553,085. The Decca Record Company Limited, London, England. Filed Mar. 26, 1948.



Applicant claims ownership of Registration No. 516,453.
For Mechanically Grooved Phonograph Records.
Claims use since May 1, 1946, in England; and since October 1947 in commerce between foreign nations and the United States.

Ser. No. 576,587. Kranich & Bach, New York, N. Y. Filed Apr. 4, 1949. (Sec. 2f.)

KRANICH & BACH PIANOS since 1864

The words "Pianos Since 1864" are disclaimed.
For Pianos.
Claims use since Jan. 1, 1864.

Ser. No. 577,823. Synthetic Plastics Company, Newark, N. J. Filed Apr. 27, 1949.

HUMPTY DUMPTY

For Mechanically Grooved Phonograph Records.
Claims use since Oct. 7, 1948.

Ser. No. 587,721. 4 Star Record Company, Inc., Pasadena, Calif. Filed Nov. 14, 1949.

4 STAR ★★★★

For Mechanically Grooved Phonograph Records.
Claims use since Aug. 1, 1945.

Ser. No. 590,155. Hammond Instrument Company, Chicago, Ill. Filed Dec. 30, 1949. (Sec. 2f.)

HAMMOND

Applicant claims ownership of Registration No. 346,044.
For Electrical Musical Instruments—Namely, Electric Organs, and Electronic Melody Instruments.
Claims use since Apr. 1, 1935.

Ser. No. 594,156. United States Steel Corporation, New York, N. Y. Filed Mar. 17, 1950.

USS

For Wire for Use as Strings in Musical Instruments.
Claims use since 1944.

Ser. No. 594,959. Estey Piano Corp., Bluffton, Ind. Filed Mar. 31, 1950. (Sec. 2f.)

ESTEY

For Pianos.
Claims use since Mar. 16, 1928.

Ser. No. 595,434. The Rudolph Wurlitzer Company, Chicago, Ill. Filed Apr. 7, 1950.

Lyric

For Pianos, Trumpets, Saxophones, Clarinets, Cornets, Trombones, and Piano Accordions.
Claims use since Mar. 1, 1906.

Ser. No. 600,227. Permo, Incorporated, Chicago, Ill. Filed July 5, 1950. (Sec. 2f.)

LONGLIFE

Applicant claims ownership of Registrations Nos. 414,554 and 393,832.
For Phonograph Styli.
Claims use since Sept. 2, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 605,675. Wallace R. Parnell, doing business as Canterbury Press, Hollywood, Calif. Filed Oct. 31, 1950.

ETERNAL CROSSWORDS

The word "Crosswords" is disclaimed.
For Crossword Puzzle Publication Issued From Time to Time.
Claims use since Sept. 10, 1950.

CLASS 39

CLOTHING

Ser. No. 544,839. Art-Mor Togs Inc., New York, N. Y. Filed Dec. 19, 1947.

Play-Ette

The drawing is lined for shading only. The word "Play" is disclaimed.
For Ladies' and Misses' Playsuits, Overalls, Ski Suits, Slacks, Blouses, Jackets, Culottes, Beach Robes, Sun Suits, Shorts.
Claims use since January 1937.

Ser. No. 579,224. Chas. A. Stevens & Co., Chicago, Ill. Filed May 20, 1949. (Sec. 2f.)

The Farmington Shop

For Knit Dresses, Sport Dresses, Skirts, Sweaters, Swim Suits, Play Suits, Slack Suits, Halters, Beach Robes, Tailored Suits, Coats, Ski Pants and Ski Jackets for the Use of Women and Girls.
Claims use since Sept. 1, 1941.

Ser. No. 581,387. Tide-Overs Company, Providence, R. I. Filed June 30, 1949.

TIDE-OVERS

For Coverings for the Shoes and Ankles of the Wearer.
Claims use since June 12, 1949.

Ser. No. 583,323. Samuel Berger, doing business as Montauk Shirt Company, New York, N. Y. Filed Aug. 11, 1949.

MONTAUK

For Men's Dress Shirts, Sportswear—Namely, Sport Shirts and Slacks; and Pajamas.
Claims use since June 1949 as shown; and since Feb. 26, 1946, as to the mark "Montauk" in script form.

Ser. No. 587,700. L. F. Armitage Company, Albert Lea, Minn. Filed Nov. 14, 1949.

BIG 30

For Work Clothes—Namely, Dungarees, Overalls, Outer Shirts, Caps, and Jackets.
Claims use since 1930.

Ser. No. 588,607. Tonak, továrny na klobouky, národni podnik, Novy Jicin, Czechoslovakia. Filed Nov. 30, 1949.

PESCHEL

Applicant claims ownership of Czechoslovakian Registration No. 6887, dated Aug. 21, 1937, and renewed under Registration No. 10,121, dated June 12, 1947.
For Hats and Hat Bodies Made of Hair, Wool, Felt, or Velour Felt.

Ser. No. 589,128. Tonak, továrny na klobouky, národni podnik, Novy Jicin, Czechoslovakia. Filed Dec. 9, 1949.



The lines appearing in the letter "P" are used for decorative purposes only, and are not intended to indicate

a specific color. Applicant claims ownership of Czechoslovakian Registration No. 11,127, dated Aug. 31, 1949.
For Hats and Hat Bodies Made of Hair, Wool, Felt, or Velour Felt.

Ser. No. 589,342. The Shirtcraft Company, Inc., New York, N. Y. Filed Dec. 14, 1949.

ZIP-MAN

For Outer Shirts for Men, Women, Boys, and Girls.
Claims use since Dec. 1, 1949.

Ser. No. 592,987. Ely & Walker Dry Goods Company, St. Louis, Mo. Filed Feb. 24, 1950. (Sec. 2f.)



The word "Quality" is disclaimed.
For Handkerchiefs.
Claims use since Nov. 15, 1920.

Ser. No. 595,105. The Trimble Hat Company, Minneapolis, Minn. Filed Apr. 1, 1950.

floating fit

The term "Fit" is disclaimed.
For Men's Hats.
Claims use since Jan. 11, 1949.

Ser. No. 595,416. Royal Robes Inc., New York, N. Y. Filed Apr. 7, 1950.

Sir-Ong

For Men's Locker Room Aprons.
Claims use since Mar. 1, 1950.

Ser. No. 596,901. Coronet Sportswear, Inc., Sunbury, Pa. Filed May 5, 1950.

SLIKZIP

For Children's Clothing—Namely, Overalls.
Claims use since Nov. 30, 1949.

Ser. No. 598,679. Rich's, Inc., Atlanta, Ga. Filed June 6, 1950.

KIDDIE KORRAL

For Children's Clothing—Namely, Outer Shirts, Pants, Riding Pants, Dungarees, Chaps, Hats, Bandannas, Jackets, Coats, and Shoes.
Claims use since Aug. 1, 1949.

Ser. No. 600,313. Tonak, továrny na klobouky, národní podnik, Novy Jicin, Czechoslovakia. Filed July 6, 1950.



Applicant claims ownership of Czechoslovakian Registration No. 10,127, dated Mar. 28, 1931.
For Hats for Men, Women, and Children.

Ser. No. 600,864. Tru-Gan Manufacturing Co., Inc., Cleveland, Ohio. Filed July 18, 1950.



The representation of the vest is disclaimed.
For Vests.
Claims use since June 29, 1950.

Ser. No. 601,055. Madeline Furs, Ltd., New York, N. Y. Filed July 21, 1950.

Maddie Original

The word "Original" is disclaimed. The drawing is lined for shading.
For Ladies' Fur Coats, Fur Jackets, Fur Capes, Fur Scarfs, Fur Linings.
Claims use since May 1950.

Ser. No. 602,168. Service Manufacturing Co., Inc., New York, N. Y. Filed Aug. 14, 1950.

S BAR M

For Cowboy Boots.
Claims use since June 14, 1949.

Ser. No. 603,117. Imperial Outfitters to Large Men, Inc., New York, N. Y. Original filed, act of 1946, Supplemental Register, Sept. 2, 1950; amended to application, Principal Register, June 6, 1951.



The name "Cy Bartell" is fanciful.
For Men's Outer Shirts.
Claims use since May 4, 1948.

Ser. No. 604,261. Hickey-Freeman Co., Rochester, N. Y. Filed Sept. 30, 1950.

SCOTSPRIDE

For Men's Suits and Coats.
Claims use since Aug. 29, 1950.

Ser. No. 604,326. M. H. Raab-Meyerhoff Co., Inc., Philadelphia, Pa. Filed Oct. 2, 1950.

India-Cream

The word "India" is disclaimed.
For Dress and Sport Shirts, Shorts and Pajamas, and Under Shirts.
Claims use since June 15, 1950.

Ser. No. 604,404. Truval Manufacturers, Inc., New York, N. Y. Filed Oct. 3, 1950.

TruVal
Sierra

Applicant claims ownership of Registrations Nos. 96,306, 376,349, and others.
For Sport Shirts for Men and Young Men.
Claims use since June 12, 1950.

Ser. No. 605,911. Neckwear Incorporated, Chicago, Ill. Filed Nov. 4, 1950.

Casa-Rio

For Neckties.
Claims use since Oct. 15, 1950.

Ser. No. 606,261. Brewster Shirt Corp., New York, N. Y. Filed Nov. 13, 1950.

Wash-Master

The word "Wash" is disclaimed.
For Men's Sport and Dress Shirts.
Claims use since December 1948.

Ser. No. 606,284. Etchison Hat Company, Inc., Richmond, Va. Filed Nov. 13, 1950.

HERITAGE
by Etchison

The words "by Etchison" are disclaimed. Applicant claims ownership of Registrations Nos. 148,400 and 521,929.
For Men's Felt Hats.
Claims use since Sept. 1, 1943.

Ser. No. 606,516. Emporium World Millinery Co., Chicago, Ill. Filed Nov. 17, 1950.

CHAPEAUX
Louise

The word "Chapeaux" is disclaimed.
For Ladies' Hats.
Claims use since Mar. 2, 1935.

Ser. No. 606,616. Liondale Shirt Company, New York, N. Y. Filed Nov. 18, 1950.

LIONDALE
Wash'n'Wear

The term "Wash'n'Wear" is disclaimed. Applicant claims ownership of Registrations Nos. 128,110 and 501,796.
For Men's and Boys' Dress and Sport Shirts.
Claims use since Oct. 3, 1950.

Ser. No. 607,002. Cerruti, Incorporated, New York, N. Y. Filed Nov. 28, 1950.

Casa-Rio

For Men's Neckties and Scarves.
Claims use since Oct. 18, 1950.

Ser. No. 607,339. Monarch Manufacturing Company, Milwaukee, Wis. Filed Dec. 6, 1950.

Monarch

Applicant claims ownership of Registrations Nos. 280,372 and 280,357.
For Outerwear for Men, Women, and Children—Namely, Coats, Jackets, and Vests Made of Pelts, Leather, Fur, Fabrics, Synthetic Fabrics, and Waterproofed Materials.
Claims use since July 1, 1927.

Ser. No. 607,813. Hart, Schaffner & Marx, Chicago, Ill. Filed Dec. 18, 1950.

AUSTRADOWN

Applicant claims ownership of Registration No. 241,224.
For Men's, Women's, and Boys' Sportcoats, Topcoats, Leisure Jackets, Golf Jackets, Coats, Vests, Trousers, and Suits.
Claims use since Oct. 15, 1950.

Ser. No. 609,740. Rhythm Lingerie, Inc., New York, N. Y. Filed Feb. 7, 1951.

CAMI-PET

For Ladies' and Misses' Camisoles, Petticoats, Slips, and Nightgowns.
Claims use since Feb. 6, 1950.

Ser. No. 610,090. Charles W. Nudelman, Inc., New York, N. Y. Filed Feb. 14, 1951.

CHARNUD

For Ladies' Wearing Apparel—Namely, Dresses, Bathing Suits, Play Suits, Beach Coats, Skirts, Jackets, Blouses, Slacks, and Shorts.
Claims use since Oct. 5, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 538,934. Louis Landau Inc., New York, N. Y. Filed Oct. 24, 1947.



For Window Curtains.
Claims use since July 30, 1947.

Ser. No. 547,094. Alabama Mills, Inc., Birmingham, Ala. Filed Jan. 15, 1948.



For Fabrics of Cotton—Namely, Drills, Sheeting, Jeans, Hickory and Express Stripes, and Flannels Sold in the Piece or Bolt.
Claims use since Jan. 10, 1919.

Ser. No. 590,878. Beacon Manufacturing Company, Swannanoa, N. C. Filed Jan. 14, 1950. (Sec. 2f.)

WESTMINSTER

For Blankets Made Wholly of Cotton, or of Cotton and Rayon.
Claims use since July 1940.

Ser. No. 591,428. Mandee Fabrics, Inc., New York, N. Y. Filed Jan. 25, 1950.

MANDURO

For Textile Fabrics in the Piece, Composed of Nylon, Cotton, Rayon, Wool, and Silk or Combinations Thereof, Chemically Treated to Increase Resiliency, Crease Resistancy, Moth Resistancy, and Color Fastness.
Claims use since Dec. 7, 1949.

Ser. No. 599,226. Chopak-Solow Corp., New York, N. Y. Filed June 16, 1950.

ZEFERTAF

For Piece Goods—Namely, Taffeta of Synthetic Fibers and Mixtures Thereof.
Claims use since Apr. 24, 1950.

Ser. No. 599,302. Bernhard Altmann, New York, N. Y. Filed June 17, 1950.

SELFIX

Applicant claims ownership of Registrations Nos. 352,957, 365,296, and 398,272.
For Piece Goods, Including Canvas, Flannel, Gabardine, Netting, and Knitted Fabrics, of Wool, Worsted, Cotton, Silk, Linen, and Synthetic Fibers; Elastic Webbing, Blankets, Bed Sheets, and Sheeting, Shower and Window Curtains, and Textile Carpets.
Claims use since 1926.

Ser. No. 600,707. Texas Textile Mills, Dallas, Tex. Filed July 14, 1950.

Dal-tex

For Fabrics of Cotton.
Claims use since Apr. 29, 1948.

Ser. No. 601,140. N. V. J. Elias, Inc., New York, N. Y. Filed July 24, 1950.



The words "Fabrics" and "Textiles" are disclaimed. The representation of the human figure is fanciful.
For Textile Fabrics in the Piece Composed of Cotton, Wool, and Synthetic Fibers, and Mixtures of the Same.
Claims use since June 7, 1950.

Ser. No. 602,231. Traford Fabrics, Inc., New York, N. Y. Filed Aug. 15, 1950.

AIR-NYL

For Fabrics Made of Nylon Fibers Sold in the Piece.
Claims use since May 1950.

Ser. No. 602,684. Fruit of the Loom, Inc., Providence, R. I. Filed Aug. 24, 1950.

TARNMOOR

For Cloth in the Piece Made of Worsted, Wool, Mohair, Camels Hair, Alpaca, Silk, Rayon, or Cotton and Combinations Thereof.
Claims use since July 14, 1950.

Ser. No. 603,623. Waite Carpet Co., Oshkosh, Wis. Filed Sept. 13, 1950.

Waitwirl

Applicant claims ownership of Registrations Nos. 204,524, 221,062, and 229,375.
For Rugs and Carpets Having a Cotton Pile.
Claims use since July 6, 1950.

Ser. No. 604,563. Burlington Mills Corporation, Greensboro, N. C. Filed Oct. 7, 1950.

STRIPE MATE

The word "Stripe" is disclaimed.
For Textile Fabrics in the Piece Made of Synthetic Fibers.
Claims use since July 10, 1950.

Ser. No. 605,920. Sheraton Mills, Inc., New York, N. Y. Filed Nov. 4, 1950.



For Piece Goods of Synthetic Fibers.
Claims use since Aug. 15, 1950.

Ser. No. 605,921. Sheraton Mills, Inc., New York, N. Y. Filed Nov. 4, 1950.



The representation of a bolt of cloth is disclaimed.
For Piece Goods of Synthetic Fibers.
Claims use since Jan. 1, 1949.

Ser. No. 606,185. Martin Weiner Corp., New York, N. Y. Filed Nov. 9, 1950.

Colorvision

For Textile Fabrics, in the Piece, Comprised of Cotton, Rayon, Wool, Silk, Nylon, and Combinations Thereof.
Claims use since Oct. 22, 1947.

Ser. No. 607,112. Bartmann & Bixer, Inc., New York, N. Y. Filed Nov. 30, 1950.

LAZY SUSAN

For Window Curtains.
Claims use since Nov. 1, 1950.

Ser. No. 610,887. Milton C. Blum, Inc., New York, N. Y. Filed Mar. 6, 1951.

Wonderlene

For Cotton Piece Goods.
Claims use since Feb. 2, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 589,153. The Foregger Company, Inc., Roslyn Heights, N. Y. Filed Dec. 10, 1949. (Sec. 2f.)

FOREGGER

Applicant claims ownership of Registration No. 347,199.
For Inhalers for Oxygen Administration and Resuscitation, Passenger Inhalers for Altitude Flying Airplanes, Anesthesia and Gas Tables and Parts Thereof, Re-Breathing Devices for Carbon Dioxide Absorption, Laryngoscopes, Airways.
Claims use since June 1914.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 587,512. V & M Beverage Company, Wellsburg, W. Va. Filed Nov. 8, 1949.

SLICK

For Maltless Soft Drinks and Carbonated Waters, and for Syrups, Extracts, and Flavors Used in Making Soft Drinks.
Claims use since Sept. 20, 1949.

Ser. No. 588,479. Citrus Products Company, Chicago, Ill. Filed Nov. 29, 1949.

Lemonella

Applicant claims ownership of Registration No. 167,082.
For Non-Alcoholic, Maltless Soft Drinks, and a Juice Beverage Base for Making the Same.
Claims use since Sept. 25, 1921.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 487,561. Min Sun Trading Co., Chicago, Ill., assignee of Min-Sun Trading Co. Original filed, act of 1905, Aug. 25, 1945; amended to application under act of 1946, Principal Register, Oct. 23, 1948. (Sec. 2f.)



The representation of the Chinese girl is fanciful. Applicant claims ownership of Registrations Nos. 160,986, 318,508, and 442,734.

For Canned Bean Sprouts, Canned Chop Suey Vegetables, Canned Chow Mein Noodles, Canned Meatless Chop Suey, Canned Bamboo Shoots, Canned Water Chestnuts, a Seasoning for Foods in Powder Form Comprising Sodium Glutamate, Bead Molasses, and Thin Soy Sauce.

Claims use since Jan. 15, 1921.

Ser. No. 504,450. Peer Food Products Company, Chicago, Ill. Original filed, act of 1905, June 22, 1946; amended to application under act of 1946, Principal Register, Mar. 25, 1948.



Applicant claims ownership of Registration No. 402,056.

For Meat Products—Namely, Lamb Tongues, Frankfurters, Pickled Pigs' Feet, and Pigs' Feet Slices; and Processed Fruit—to-wit, Olives.

Claims use since Mar. 12, 1942.

Ser. No. 523,380. J. J. Gielow & Sons, Inc., Detroit, Mich. Original filed, act of 1905, June 2, 1947; amended to application under act of 1946, Principal Register, Nov. 25, 1947. (Sec. 2f.)

KROCK-KURED

For Cucumber Pickles.

Claims use since Aug. 1, 1942.

Ser. No. 527,028. Van de Kamps Holland Dutch Bakers, Inc., Los Angeles, Calif. Filed July 5, 1947. (Sec. 2f.)

Van de Kamp's

For Bread, Rolls, Coffee Cakes, Cakes, Pies, Donuts, Cookies, Candy, and Ice Cream.

Claims use since June 9, 1917.

Ser. No. 532,734. The Loudonville Milling Company, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.



Applicant claims ownership of Registrations Nos. 119,093 and 353,967.

For Wheat Flour, Bran, Corn Meal, Graham Flour, and Animal Feeds—Namely, Middlings, Mixed Feed, Scratch Feed, Chick Scratch Feed, Egg Mash, Growing Mash, Starting Mash, Dairy Feed, Poultry Supplement, Hog Supplement, and Fattening Mash.

Claims use since Oct. 1, 1912.

Ser. No. 538,305. Lindsay Ripe Olive Company, Lindsay, Calif. Filed Oct. 18, 1947. (Sec. 2f.)

LINDSAY PEAK

Applicant claims ownership of Registrations Nos. 337,595, 381,538, 385,896, 395,353, 511,252, 511,251, 513,026, 523,342.

For Canned Olives.

Claims use since Mar. 4, 1941.

Ser. No. 546,249. Swift & Company, Chicago, Ill. Filed Jan. 5, 1948.

RELIANCE

For Salami.

Claims use since August 1920.

Ser. No. 556,656. Richmond-Chase Company, San Jose, Calif. Filed May 10, 1948.



The words "Richmond-Chase Company" are disclaimed. Applicant claims ownership of Registrations Nos. 251,251 and 134,276.

For Canned Fruits—Namely, Apricots, Cherries, Fruits for Salad, Fruit Cocktail, Peaches, Pears, and Prunes; Canned Vegetables—Namely, Asparagus, Spinach, and Tomatoes; Tomato Catsup; Canned Fruit and Vegetable Juices for Food Purposes—Namely, the Juice Products of Apricots, Peaches, Pears, Prunes and Tomatoes; Bottled Fruit Juices for Food Purposes—Namely, the Juice Product of Prunes; Dried Fruit—Namely, Apricots, Mixed Fruits, Peaches, and Prunes; Frozen Fruit—Namely, Peaches; Frozen Vegetables—Namely, Broccoli, Brussels Sprouts, Cauliflower and Spinach.

Claims use on canned fruit, canned vegetables and dried fruit since July 19, 1919; on canned fruit and vegetable juices for food purposes since May 11, 1936; on frozen fruit since the summer of 1946; on frozen vegetables since the spring of 1944; on tomato catsup since 1946; and on prune juice since 1935.

Ser. No. 559,800. Soc. P. A. Besana, Milan, Italy. Filed June 10, 1948.



The word "Gerbeaud" is not known to be a surname and has no known meaning, being a fanciful name. The words "Prodotti, Coloman, Milano, Soc. p. a. Besana" are disclaimed. Applicant claims ownership of Italian Registration No. 6686, dated Aug. 8, 1947.

For Cakes, Candy, Biscuits, Jam, Honey, Cocoa, Chocolate, Taffies.

Ser. No. 563,933. The Isaly Dairy Company, Youngstown, Ohio. Filed Aug. 24, 1948. (Sec. 2f.)

ISALY'S

Applicant claims ownership of Registrations Nos. 322,962 and 324,665.

For Fresh Fluid Pasteurized Milk, Sweet Cream, Skim Milk, Chocolate Milk, Vitamin "D" Homogenized Milk, Buttermilk, and Fresh Butter, Cheese, Eggs, Ice Cream, Sherbets, Ices, Ice Cream Bars, and Sherbet Bars.

Claims use since June 30, 1918.

Ser. No. 564,326. Flour Mills of America, Inc., Kansas City, Mo., doing business as Anthony Mills, Alva, Okla. Filed Aug. 28, 1948.



For Wheat Flour.

Claims use since Nov. 21, 1899.

Ser. No. 565,328. Food Fair Stores, Inc., Philadelphia, Pa. Filed Sept. 17, 1948. (Sec. 2f.)

FARMER GRAY

For Fresh Potatoes.

Claims use since Aug. 1, 1938.

Ser. No. 567,013. Donald H. Williamson, doing business as Icy-Ike Co., Galesburg, Ill. Filed Oct. 14, 1948.

ICY-IKE

The word "Icy" is disclaimed.

For Ice Cream and Cake.

Claims use since June 1948.

Ser. No. 567,882. The Shotwell Mfg. Co., Chicago, Ill. Filed Oct. 29, 1948.

Elizabeth Lee

The name "Elizabeth Lee" does not identify any particular living individual.

For Chocolates.

Claims use since 1934.

Ser. No. 568,544. Soya Food Products, Inc., Cincinnati, Ohio. Filed Nov. 10, 1948.



The drawing is lined for red, green, yellow, and orange.

For Canned Bean Sprouts, and Fast Frozen Vegetable Chop Suey.

Claims use since Apr. 1, 1948.

Ser. No. 572,371. Mother's Food Products, Inc., Newark, N. J. Filed Jan. 18, 1949.



The drawing is lined for black, green, and yellow.

For Sweet and Sour Fish.

Claims use since Dec. 15, 1948.

Ser. No. 574,065. Sunset Packing Co., Inc., Pembroke and West Pembroke, Maine. Filed Feb. 17, 1949.

PEMCO

For Canned Fish.

Claims use since May 22, 1924.

Ser. No. 578,184. A/S Tönsberg Bryggeri, Tonsberg, Norway. Filed May 4, 1949.

ICEROSE

Applicant claims ownership of Norwegian Registration No. 35,830, dated June 22, 1948.

For Quick Frozen Fruits, Berries, Currants, Garden Peas, Fish, Shellfish, Reindeer Meat, Ptarmigans, and Dressed Poultry; Canned Fruits, Berries, Garden Peas, Fish, Shellfish, Fish Paste, Reindeer Meat, Ptarmigans Whole or Boneless, and Poultry Whole or Boneless; Bottled Fruits and Berries; Fruit, Berry, and Currant Pulps and Jams and Fruit, Berry, and Currant Juices.

Ser. No. 582,713. Arnold Vogl, doing business under the name and style of Epicure Fine Foods Co., Eastport, Maine. Filed July 29, 1949.

MIRANDA

For Canned Fish.
Claims use since 1941.

Ser. No. 584,508. Pfeffer Milling Company, Lebanon, Ill. Filed Sept. 6, 1949.

FLAKE WHITE

The word "White" is disclaimed.
For Self-Rising Wheat Flour.
Claims use since 1911.

Ser. No. 585,395. The Ricciardi Co., Inc., New York, N. Y. Filed Sept. 27, 1949. (Sec. 2f.)

MONTE CARLO

For Ice Cream.
Claims use since 1931.

Ser. No. 585,438. Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Filed Sept. 28, 1949.

TUNADOGS

For Prepared Fish in Sausage Form.
Claims use since Aug. 30, 1949.

Ser. No. 586,857. Hollywood Brands, Inc., Centralia, Ill. Filed Oct. 26, 1949.



Applicant claims ownership of Registration No. 189,886.
For Candy.
Claims use since Aug. 30, 1948.

Ser. No. 586,911. Capitol Milling Company, Los Angeles, Calif. Filed Oct. 27, 1949.



The drawing is lined for red, blue and green. The words "El Faro" mean "The Lighthouse."
For Wheat Flour.
Claims use since Jan. 1, 1930.

Ser. No. 589,100. Marshall Field & Company, Chicago, Ill. Filed Dec. 9, 1949.

misty mints

The word "Mints" is disclaimed.
For Candy.
Claims use since Oct. 26, 1949.

Ser. No. 591,481. M. J. Holloway & Co., Chicago, Ill. Filed Jan. 26, 1950.

Fancy Free

For Candy.
Claims use since March 1932.

Ser. No. 596,856. Majthenyi's Food Corp., Roosevelt, N. Y. Filed May 4, 1950.

KOCHONA

For Meat and Vegetable Aspics.
Claims use since January 1950.

Ser. No. 597,568. Aliança Exportadora, Limitada, Lisbon, Portugal. Filed May 17, 1950.



Applicant claims ownership of Portuguese Registration No. 64,205, dated Nov. 21, 1947.
For Canned Foods—Namely, Canned Fish, Canned Pork, Canned Fruits, and Canned Vegetables.

Ser. No. 598,081. Jefferson Island Salt Company, Louisville, Ky. Filed May 25, 1950. (Sec. 2f as to "Jefferson Island.")



The terms "Sof-Water" and "Salt" are disclaimed. The drawing is lined for red and black.
For Stock Feeding Salt.
Claims use since Apr. 3, 1950, on the mark as shown; and since 1929 on the term "Jefferson Island."

Ser. No. 599,891. Oscar Mayer & Co., Inc., Chicago, Ill. Filed June 28, 1950.

Light'ning

For Vegetable Shortening.
Claims use since May 13, 1950.

Ser. No. 600,428. Fujii Junichi Shoten, Limited, Honolulu, Territory of Hawaii. Filed July 10, 1950.



The representation of the top-shell is disclaimed.
For Canned Prepared Top-Shell.
Claims use since Jan. 25, 1948.

Ser. No. 601,418. Bacino-Pizza Food Products Co., Inc., Calumet City, Ill. Filed July 29, 1950.

ORIGINAL John's

The word "Original" is disclaimed.
For Pizza Pie.
Claims use since June 14, 1950.

Ser. No. 603,041. Blue Star Foods, Inc., Rockford, Ill. Filed Sept. 1, 1950.



The drawing is lined for the color blue.
For Potato Chips, Potato Wafers, Shelled Nuts, Unpopped Popcorn, French Fried Popcorn, and Cheese Flavored Popcorn.
Claims use since July 17, 1939.

Ser. No. 604,063. B. C. Tree Fruits Limited, Kelowna, British Columbia, Canada. Filed Sept. 27, 1950.

JUNIOR



The representation of the apple is disclaimed.
For Fresh Apples.
Claims use since May 8, 1950, in Canada; and since Sept. 6, 1950, in commerce between Canada and the United States.

Ser. No. 605,032. Sylvia Hillstrom, doing business as Blessing Co., Wilton, Conn. Filed Oct. 17, 1950.

SALAD * BLESSING

The word "Salad" is disclaimed.
For Condiments—Namely, Sauces for Vegetables and Meats and Combinations Thereof.
Claims use since Oct. 4, 1950.

Ser. No. 605,351. The Columbia Malting Company, Chicago, Ill. Filed Oct. 24, 1950.

COLUMBIA

For Malt.
Claims use since December 1898.

Ser. No. 606,058. Standard Milling Company, Chicago, Ill. Filed Nov. 7, 1950.

STANEGG

For Powdered Egg Product To Be Used as a Substitute for Fresh or Frozen Eggs and Comprising Egg Yolk, Vegetable Shortening, Milk Solids, and Sugar.
Claims use since Aug. 16, 1950.

Ser. No. 606,171. Louis Panozzo, Rockford, Ill. Filed Nov. 9, 1950.

"Sal-o"

For Salad Dressing.
Claims use since Apr. 24, 1924.

Ser. No. 606,182. Swift & Company, doing business as H. L. Handy Company, Chicago, Ill. Filed Nov. 9, 1950. (Sec. 2f.)

Handy's
BRIGHTWOOD

Applicant claims ownership of Registrations Nos. 79,375, 179,998, and others.
For Meat Products—Namely, Franks, Ham, Bacon, Bologna, Thuringer Cervelat, Salami, Meat Loaf, Specialty Sausage, Braunschweiger Liver Sausage, Smoked Pork

Shoulder, Fruited Pork Shoulder, Pork Sausage, Dried Beef, Polish-Style Sausage, Minced Luncheon Specialty Sausage, Cooked Specialty Sausage, Kielbasa Sausage, Fruited Ready-to-Eat Hams, Smoked Daisy, and Canadian-Style Bacon, Canned Ham, Canned Luncheon Meat, Lard, and Shell Eggs.
Claims use since 1933.

Ser. No. 606,366. California Prune and Apricot Growers Association, San Jose, Calif. Filed Nov. 14, 1950.

PURPLE Bloom

The descriptive term "Purple" is disclaimed. Applicant claims ownership of Registration No. 262,283.
For Dried Fruit.
Claims use since Apr. 3, 1929.

Ser. No. 607,249. Getz Bros. & Co., San Francisco, Calif. Filed Dec. 4, 1950.

Royal Taste

For Canned Fish.
Claims use since Oct. 15, 1950.

Ser. No. 607,436. Masterpiece Foods, Inc., Santa Maria, Calif. Filed Dec. 8, 1950.

MASTERPIECE

Applicant claims ownership of Registration No. 120,832.
For Canned Vegetables, Tomato Sauce, Tomato Purée, Lima Beans and Ham, Garbanso Beans, Beans with Pork, Beans With Chili, and Canned Vegetables for Salad.
Claims use since Mar. 19, 1917.

Ser. No. 607,604. Lyle A. Saitz, doing business as The Cafecofe Co., Philadelphia, Pa., assignor to Cafécofe Corporation, Philadelphia, Pa., a corporation of Pennsylvania. Filed Dec. 12, 1950.



The words "Cafe" and "Cofe" are disclaimed. The drawing is stippled for shading.
For Mixture of Ground Coffee Kernels, Ground Cacao Kernels and Salt Adapted To Be Added to Brewed Coffee To Improve the Aroma, Flavor, and Body Thereof.
Claims use since Dec. 4, 1950.

Ser. No. 607,890. Ben H. Bernheisel, Milford, Ohio. Filed Dec. 20, 1950. (Sec. 2f.)

FI-REE

For Horseradish.
Claims use since Mar. 8, 1939.

Ser. No. 608,072. Lake County Cannery, Inc., Upper Lake, Calif. Filed Dec. 26, 1950. (Sec. 2f.)

LAKE COUNTY

Applicant claims ownership of Registration No. 254,239.
For Canned Vegetables.
Claims use since 1913.

Ser. No. 608,074. Stephen Leeman Products Company, West Nyack and Teaberryport, West Nyack, N. Y. Filed Dec. 26, 1950.

MINGFAIR

For Fruit Cake and Flavor Sugars.
Claims use since November 1948.

Ser. No. 608,105. Comics Novelty Candy Corp., New York, N. Y. Filed Dec. 27, 1950.

LITTLE MAX's LUNCH

For Packages Containing Candy and a Toy.
Claims use since Sept. 14, 1950.

Ser. No. 608,131. Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Filed Dec. 27, 1950.

BOZO

For Confections—Namely, Ball Gum.
Claims use since October 1949.

Ser. No. 608,341. Batcheller's, Inc., Sioux Falls, S. Dak. Filed Jan. 4, 1951.

ZIP

For Cattle Feeds, Hog Feeds, and Poultry Feeds.
Claims use since Oct. 1, 1945.

Ser. No. 608,403. B & B Importers, Dunellen, N. J. Filed Jan. 5, 1951.

VALHALLA

For Cheese.
Claims use since Oct. 23, 1950.

Ser. No. 608,828. National Bakers Supply Corporation, Somerville, Mass. Filed Jan. 16, 1951.



The words "Candy" and "Marshmallows" are disclaimed.
For Candy Marshmallows.
Claims use since June 1, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 564,428. Frank L. Boner, doing business as Lady Joan Laboratories, Reading, Pa. Filed Aug. 31, 1948.

Ever-Scent Sachet

No claim is made to the words "Ever-Scent" and "Sachet."
For Sachet Perfume in the Form of Cakes.
Claims use since July 26, 1948.

Ser. No. 578,855. Relax-O Co., Chicago, Ill. Filed May 5, 1949.

Rello

For Hair Conditioning Cream.
Claims use since Aug. 18, 1947.

Ser. No. 585,596. Milbern Laboratories, Inc., Brooklyn, N. Y. Filed Sept. 30, 1949.

Milbern

For Hair Conditioning Creme.
Claims use since Aug. 22, 1949.

Ser. No. 592,406. Plasti-Liner Co., Inc., Buffalo, N. Y. Filed Feb. 11, 1950.

BRIMMS

For Preparation for Holding Dentures in Place While in Use.
Claims use since Sept. 1, 1949.

Ser. No. 600,754. Elizabeth Arden Sales Corporation, New York, N. Y. Filed July 17, 1950.

Love In a Mist

For Toilet Water, Perfume, Rouge, Lipstick, Nail Polish, and Face and Dusting Powders.
Claims use since Mar. 6, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 543,684. Communications Workers of America, Washington, D. C. Filed Dec. 8, 1947.



No claim is made to the wording and representation of the goods.
For Promoting, Protecting, and Advancing the General Welfare and Mutual Interest of Its Members Employed in Installing and Maintaining Telephone, Telegraph, Intercommunicating Radio and Television Systems, Accessories and Equipment; Representing the Members of the Association as a Collective Bargaining Agent in Employer-Employee Relations To Improve the Conditions of Work and the Skill of Its Members in the Industry.
Claims use since Nov. 3, 1947.

Ser. No. 569,852. Horn & Hardart Baking Co., Philadelphia, Pa. Filed Dec. 3, 1948.

Automat

Applicant claims ownership of Registration No. 111,233.
For Restaurant Service.
Claims use since June 30, 1902.

Ser. No. 598,549. Sil-oo-ette Systems of Ohio, Inc., Columbus, Ohio, and New York, N. Y. Filed June 3, 1950.



For Posture Correction and Slenderizing Service.
Claims use since May 1, 1950.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 602,895. Dun & Bradstreet, Inc., New York, N. Y. Filed Aug. 29, 1950.



The figures shown in the mark are fanciful and lining in the background is for shading.
For Mercantile Credit Information Service.
Claims use since May 1939.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 601,677. Kansas City Fire and Marine Insurance Company, Kansas City, Mo. Filed Aug. 3, 1950.



The drawing is lined for the colors red and blue. The pictorial illustration is fanciful.
For Fire, Marine, Casualty, Liability, Theft, and Property Damage Insurance Services.
Claims use since June 1, 1950.

Ser. No. 602,469. Pioneer Life Insurance Company, Philadelphia, Pa. Filed Aug. 19, 1950.



The lining represents lining forming part of the mark. The figure of a man represents a fanciful character.
For Underwriting Life, Health, and Accident Insurance.
Claims use since Jan. 15, 1950.

Ser. No. 602,821. Bank of America National Trust and Savings Association, San Francisco, Calif. Filed Aug. 28, 1950.

LISA

For Savings Account Services.
Claims use since Aug. 17, 1950.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 537,506. Regal Service and Sales Company, Inc., Baltimore, Md. Filed Oct. 10, 1947.

REGAL SERVICE

The word "Service" is disclaimed.
For Service and Repair of Oil Burners.
Claims use since Oct. 13, 1943.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 593,872. Inland Air Lines, Inc., Los Angeles, Calif. Filed Mar. 13, 1950.



The words "Inland Air Lines" are disclaimed.
For Transportation of Passengers, Freight, and Mail by Airplane.
Claims use since July 1, 1938.

CLASS 106

MATERIAL TREATMENT

Ser. No. 587,337. Liberty Shrinkers Corp., New York, N. Y. Filed Nov. 4, 1949.

Dura-Firm

Applicant disclaims the word "Firm."
For Sponging, Shrinking, Fire-Retarding, and Decating, Woolen Materials.
Claims use since Apr. 4, 1949.

Ser. No. 592,981. Clearwater Finishing Company, Clearwater, S. C., and Old Fort, N. C. Filed Feb. 24, 1950.

Fort-i-Fide

Applicant claims ownership of Registration No. 345,553.
For Dyeing and Finishing Textile Fabrics in the Piece To Increase Color Fastness and Light Fastness, and for Crease Resistance and Shrinkage Control.
Claims use since Mar. 16, 1949.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 597,346. John G. McCormick, doing business as Accordio-Tape System, Minneapolis, Minn. Filed May 12, 1950.



Applicant disclaims the words "Tape" and "System" and to representation of an accordion.
For Instructing in the Playing of the Accordion.
Claims use since Mar. 23, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,564. Illustrated Features and Photographic Comic Strips Appearing in Publications. Constance Bannister, New York, N. Y.
Filed Oct. 15, 1945, Serial No. 489,932. Published June 19, 1951. Class 38.

444,565. Fluid Filters for Use as Attachments to Fluid Pumps for the Purpose of Filtering Intake Fluid to the Pump and To Filter Outlet Fluid From the Pump. Bendix Aviation Corporation, Teterboro, N. J.
Filed June 7, 1946, Serial No. 503,419. Published Dec. 16, 1947. Class 23.

444,566. Moving Stairways. Multiscope, Inc., Coffeyville, Kans.
Filed Nov. 14, 1946, Serial No. 512,601. Published Apr. 17, 1951. Class 23.

444,567. Trading Stamps. Ralph W. Stayton, doing business as Yuletide Bonus Stamp Company, Albany, Calif., assignor to Yuletide Bonus Stamp Company, Albany, Calif., a corporation of California.
Filed May 6, 1947, Serial No. 521,969. Published June 26, 1951. Class 38.

444,568. Loose Writing Paper for School or Office Use, Put Up in Wrapped Packages, Boxes, or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,157. Published June 12, 1951. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

548,059. Gear Cutting Machines, Gear Lapping Machines, Gear Burnishing Machines, Gear Shaving Machines, and Cutters for Use on Such Machines. The Fellows Gear Shaper Company, Springfield, Vt.
Original filed, act of 1905, Oct. 19, 1945; amended to application under act of 1946, Principal Register, Feb. 20, 1951, Serial No. 490,181. Published May 22, 1951. Class 23.

548,060. Paper Blanks for Advertising Posters. Roy P. Palmer, doing business under the name Poster-Message Service, Minneapolis, Minn.
Original filed, act of 1905, May 31, 1946; amended to application under act of 1946, Principal Register, Nov. 7, 1947, Serial No. 503,115. Published May 29, 1951. Class 37.

548,061. All Metal Sun Ray Deflectors for Windows of Vehicles. The Weather Master Company, Incorporated, Wichita, Kans., assignee of Jerry H. O'Brien.
Original filed, act of 1905, Oct. 12, 1946; amended to application under act of 1946, Principal Register, Oct. 29, 1949, Serial No. 510,796. Published June 12, 1951. Class 19.

548,062. Fresh Melons. Coit Ranch, Inc., Firebaugh, Calif.
Original filed, act of 1920, Nov. 2, 1946; amended to application under act of 1946, Principal Register, Sept. 29, 1947, Serial No. 511,933. Published May 22, 1951. Class 46.

548,063. Varnish Kettles and Parts Thereof, Vacuum Pans for Various Purposes and Including Milk Vacuum Pans and Parts Thereof, Etc. Brighton Copper Works, Inc., Cincinnati, Ohio.
Original filed, act of 1905, Mar. 17, 1947; amended to application under act of 1946, Principal Register, Dec. 11, 1950, Serial No. 519,114. Published June 12, 1951. Class 34.

548,064. Industrial Trucks and Tractors for Transporting, Tiering, and Discharging Material. Clark Equipment Company, Buchanan, Mich.
Original filed, act of 1905, June 7, 1947; amended to application under act of 1946, Principal Register, Aug. 8, 1947, Serial No. 523,769. Published May 29, 1951. Class 23.

548,065. Paper Tablets. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, July 31, 1950, Serial No. 526,001. Published May 22, 1951. Class 37.

548,066. Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes, or Banded. Western Tablet & Stationery Corporation, Dayton, Ohio.
Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Mar. 23, 1949, Serial No. 526,040. Published June 19, 1951. Class 37.

548,067. Boned Chicken, Boned Turkey. C. A. Swanson & Sons, Omaha, Nebr.
Filed July 5, 1947, Serial No. 528,035. Published May 15, 1951. Class 46.

548,068. Sodium Acid Pyrophosphate for Use as a Baking Acid by Commercial Bakeries. Victor Chemical Works, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,542. Published May 22, 1951. Class 46.

548,069. Metal Cutting and Forming Machinery—Namely, Power Shears, Bending Brakes, and Bulldozers. The Cleveland Crane & Engineering Company, Wickliffe, Ohio.
Filed July 30, 1947, Serial No. 529,962. Published May 29, 1951. Class 23.

548,070. Automobile Engines. Kaiser-Frazer Corporation, Willow Run, Mich.
Filed Aug. 2, 1947, Serial No. 530,317. Published May 22, 1951. Class 23.

548,071. Infants' Tot-Age Shoes of Leather, Fabric, Rubber, Plastic, and/or Combinations Thereof. Ed White Junior Shoe Company, St. Louis, Mo.
Filed Aug. 6, 1947, Serial No. 530,689. Published June 26, 1951. Class 39.

548,072. Copper Mugs. Cock'n Bull Products, Los Angeles, Calif.
Filed Aug. 11, 1947, Serial No. 531,019. Published July 3, 1951. Class 13.

548,073. Candies—Namely, Cherry Drops, Lemon Drops, Spearmint Leaves, Miniature Jells. Lion Specialty Co., Chicago, Ill.
Filed Aug. 14, 1947, Serial No. 531,340. Published May 22, 1951. Class 46.

548,074. Boots, Shoes, Slippers, Sandals, and Rubbers Made of Leather, Rubber, Canvas and Fabric, and Combinations Thereof, for Men, Women, Children, Infants, and Babies. Powell & Campbell, Inc., New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,366. Published Apr. 20, 1948. Class 39.

548,075. Corner Mounts for Photographs. Ace Art Company, Reading, Mass.
Filed Aug. 22, 1947, Serial No. 532,084. Published June 19, 1951. Class 37.

548,076. Can Washing Machines, Chain Conveyors, Can Cover Looseners, and Rinsers. The Lathrop-Paulson Company, Chicago, Ill.
Filed Sept. 3, 1947, Serial No. 533,179. Published June 5, 1951. Class 23.

548,077. Aluminum Cooking Utensils and Kitchen Utensils, Etc. The Buckeye Aluminum Company, Wooster, Ohio.
Filed Sept. 5, 1947, Serial No. 533,531. Published July 3, 1951. Class 13.

548,078. Crackers. American Bakeries Company, Atlanta, Ga.
Filed Sept. 15, 1947, Serial No. 534,500. Published June 26, 1951. Class 46.

548,079. Paper Napkins, Paper Towels, Wax Paper, and Toilet Paper. Corel Corporation, Eau Claire, Wis., assignor to Sterling Pulp & Paper Company, Eau Claire, Wis., a corporation of Florida.
Filed Sept. 18, 1947, Serial No. 534,879. Published May 22, 1951. Class 37.

548,080. Fluid Treating and Control Devices—Namely, Packless and Packed Fluid Control Valves, Manually Operated and Automatically Operated. Henry Valve Company, Chicago, Ill.
Filed Oct. 8, 1947, Serial No. 537,193. Published July 3, 1951. Class 13.

548,081. Infants' Moccasins Made of Elk Tanned Leather With Leather Soles and Lifts. G. H. Bass & Co., Wilton, Maine.
Filed Oct. 10, 1947, Serial No. 537,404. Published June 12, 1951. Class 39.

548,082. Canned Vegetables—Namely, Green Beans, Corn, Tomatoes, Red Beans, Peas; Canned Fruits—Namely, Peaches and Pineapple; All Purpose Family Flour, Made From Wheat; Canned Salmon, and Coffee. Henry Borgsmiller & Sons, Murphysboro, Ill.
Filed Oct. 27, 1947, Serial No. 539,125. Published May 29, 1951. Class 46.

548,083. Soybean Butter, Canned Soybean Milk, Soybean Meal, Bread Made From Soybean Meal, and Soybean Cheese. The Lo Hi Food School, Muskegon, Mich.
Filed Nov. 3, 1947, Serial No. 539,967. Published May 29, 1951. Class 46.

548,084. Women's Hosiery. National Hosiery Mills, Inc., Indianapolis, Ind.
Filed Nov. 3, 1947, Serial No. 539,976. Published June 19, 1951. Class 39.

548,085. Thread Cutting Screws, Locking Screws, Etc. Illinois Tool Works, Chicago, Ill.
Filed Nov. 6, 1947, Serial No. 540,281. Published July 3, 1951. Class 13.

548,086. Men's and Boys' Work Pants, Work Shirts, Overalls, Coats, Sportswear—Namely, Slacks, Knickers, Shirts, Jackets; Industrial Uniforms—Namely, Shirts and Pants to Match. Carwood Manufacturing Company, Winder, Ga.
Filed Nov. 13, 1947, Serial No. 540,980. Published June 26, 1951. Class 39.

548,087. Label Stock, Partially-Printed Labels, and Gummed Adhesive Blank Labels. Mid-States Gummed Paper Co., Chicago, Ill.
Filed Oct. 7, 1947, Serial No. 542,717. Published June 12, 1951. Class 37.

548,088. Fresh Vegetables. The Rocky Mountain Produce Co., Denver, Colo.
Filed Dec. 1, 1947, Serial No. 542,881. Published June 26, 1951. Class 46.

548,089. Self-Rising Flour, Scratch Feed Consisting Principally of Fish Products and Feed Grains, and Laying Mash and Dairy Feed Consisting Principally of Manamar and Feed Grains. Puritan Mills, Atlanta, Ga.
Filed Dec. 22, 1947, Serial No. 545,165. Published May 22, 1951. Class 46.

548,090. Blotting Paper. The Wrenn Paper Company, Middletown, Ohio.
Filed Dec. 31, 1947, Serial No. 545,926. Published June 5, 1951. Class 37.

548,091. Lettering Pens. Francis H. Newton, doing business as The Newton Automatic Lettering Pen Company, Grand Rapids, Mich.
Filed Jan. 9, 1948, Serial No. 546,595. Published June 5, 1951. Class 37.

548,092. Pressed-Steel Hand-Operated Trucks. The American Pulley Company, Philadelphia, Pa.
Filed Oct. 14, 1947, Serial No. 547,411. Published June 19, 1951. Class 19.

548,093. Rubber Products Adapted for Automobiles—Namely, Axle, Hood, Seat, Suspension Arm, Control Arm, Etc. Baldwin Rubber Company, Pontiac, Mich.
Filed Jan. 19, 1948, Serial No. 547,419. Published June 19, 1951. Class 19.

548,094. Cooking Utensils—Namely, Aluminum Complete Meal Cookers, Etc. Kewaskum Utensil Co., Kewaskum, Wis., assignor to Household Guild, Inc., New York, N. Y., a corporation of New York.
Filed Jan. 29, 1948, Serial No. 548,265. Published July 3, 1951. Class 13.

548,095. Shoes. J. P. Smith Shoe Company, Chicago, Ill.
Filed Jan. 31, 1948, Serial No. 548,542. Published Oct. 31, 1950. Class 39.

548,096. Paper Products—Namely, Toilet Tissue, Towels, Napkins, and Facial Tissue. Northern Paper Mills, Green Bay, Wis.
Filed Feb. 3, 1948, Serial No. 548,670. Published June 5, 1951. Class 37.

548,097. Canned Caviar Packed in Bottles or Cans. Vita Food Products Incorporated, doing business under the name of Phenix Packing Co., New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,889. Published June 26, 1951. Class 46.

548,098. Knitted Socks and Stockings, Cardigans, and Pullover Sweaters for Men. George Peck (Leicester) Limited, Aylestone, Leicester, England.
Filed Feb. 6, 1948, Serial No. 548,958. Published June 19, 1951. Class 39.

548,099. Small, Collapsible, Motor Driven Vehicles of the Scooter Type. Ray Richard Jenner, Wichita, Kans.
Filed Feb. 12, 1948, Serial No. 549,547. Published June 12, 1951. Class 19.

548,100. Fountain Type Dish Mop. Dishmaster Corporation, Pontiac, Mich., assignee of Burton A. Boyar, doing business under the name and style of Burboy.
Filed Feb. 19, 1948, Serial No. 550,117. Published Feb. 21, 1950. Class 29.

548,101. Base Metal or Plastic Guards To Be Attached to Slides of Separable Slide Fasteners. Allan Bloxsom, Houston, Tex.
Filed Oct. 2, 1948, Serial No. 551,220. Published June 26, 1951. Class 13.

548,102. Metal Tankards and Trays of Base Metal Suitable for Holding Kerosene and a Torch for Lighting Open Fires or for Other Purposes. Cape Cod Shop, Damariscotta, Maine.
Filed Mar. 16, 1948, Serial No. 552,033. Published June 26, 1951. Class 34.

548,103. Metal Working Machinery—Namely, Tube and Pipe Making Machinery, Etc. The Aetna-Standard Engineering Company, Youngstown, Ohio.
Filed Mar. 22, 1948, Serial No. 552,626. Published May 22, 1951. Class 23.

548,104. Pianos. Winter & Company, Inc., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,159. Published June 26, 1951. Class 36.

548,105. Pianos. Winter & Company, Inc., New York, N. Y.
Filed Mar. 26, 1948, Serial No. 553,161. Published June 26, 1951. Class 36.

548,106. Disposable Paper Diaper Liners. Dennison Manufacturing Company, Framingham, Mass.
Filed Mar. 31, 1948, Serial No. 553,476. Published June 12, 1951. Class 37.

548,107. Plug Valves. Pittsburgh Valve and Fittings Corporation, Barberton, Ohio.
Filed Apr. 2, 1948, Serial No. 553,737. Published July 3, 1951. Class 13.

548,108. Pianos. Winter & Company, Inc., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,762. Published June 26, 1951. Class 36.

548,109. Men's and Boys' Knitted Sweaters, Caps, Scarfs, Gloves, and Hosiery. Nathan Hirsch, New York, N. Y.
Filed Apr. 15, 1948, Serial No. 554,667. Published June 26, 1951. Class 39.

548,110. Boots and Shoes. Thompson Bros. Shoe Co., Brockton, Mass.
Filed Apr. 15, 1948, Serial No. 554,735. Published June 26, 1951. Class 39.

548,111. Dog Food. Robin Pet Shop, Hackensack, N. J.
Filed Apr. 22, 1948, Serial No. 555,305. Published May 22, 1951. Class 46.

548,112. Asbestos Ducts Used in Heating, Air Conditioning, and Ventilating Work. The Philip Carey Manufacturing Company, Cincinnati, Ohio.
Filed May 5, 1948, Serial No. 556,284. Published June 26, 1951. Class 34.

548,113. Partially Printed Birth Certificate Forms. John Dickinson Schneider, doing business as Franklin C. Hollister Co., Chicago, Ill.
Filed May 5, 1948, Serial No. 556,290. Published June 19, 1951. Class 37.

548,114. Paper in Sheets and Rolls for Industrial Uses. The Philip Carey Manufacturing Company, Cincinnati, Ohio.
Filed May 11, 1948, Serial No. 556,773. Published June 12, 1951. Class 37.

548,115. Waterproof and Flameproof Canvas in Piece or Roll. C. R. Daniels, Inc., Baltimore, Md.
Filed May 20, 1948, Serial No. 557,436. Published June 19, 1951. Class 42.

548,116. Partially Printed Checks, Partially Printed Drafts, Partially Printed Labels, and Partially Printed Order Blanks. The Steck Company, Austin, Tex.
Filed May 26, 1948, Serial No. 557,874. Published June 5, 1951. Class 37.

548,117. Confection Mixture Consisting of a Liquid Product Adapted To Be Used as Topping, or Flavoring, for Chocolate and Chocolate Coated Candy. Cardinet Candy Company, Inc., Oakland, Calif.
Filed June 7, 1948, Serial No. 558,628. Published May 1, 1951. Class 46.

548,118. Finished Photographs. Baby Tots Studio, Berwyn, Ill.
Filed June 9, 1948, Serial No. 558,820. Published June 12, 1951. Class 38.

548,119. Finished Photographs. Baby Tots Studio, Berwyn, Ill.
Filed June 9, 1948, Serial No. 558,821. Published June 12, 1951. Class 38.

548,120. Meters for Recording the Rheological Properties of Materials. C. J. Patterson Company, Kansas City, Mo.
Filed June 14, 1948, Serial No. 559,175. Published May 22, 1951. Class 26.

548,121. Gelatinous Substance Which Can Be Used for the Following Purposes, a Cake Decorating Preparation, Cake and Pastry Glaze, Whipped Cream and Meringue Stabilizer, and Icing Improver. Joseph Middleby Jr. Inc., Boston, Mass.
Filed June 22, 1948, Serial No. 559,937. Published June 19, 1951. Class 46.

548,122. Wallpaper. United Wallpaper, Inc., Chicago, Ill.
Filed July 1, 1948, Serial No. 560,586. Published June 12, 1951. Class 37.

548,123. Corrugated Fiberboard. Menasha Wooden Ware Corporation, Menasha, Wis.
Filed July 3, 1948, Serial No. 560,721. Published May 22, 1951. Class 37.

548,124. Toilet Tissue of All Kinds. White-Washburne Company, Inc., Hinsdale, N. H.
Filed July 8, 1948, Serial No. 560,946. Published June 19, 1951. Class 37.

548,125. Hosiery. Maro Hosiery Co., Inc., New York, N. Y.
Filed Mar. 16, 1948, Serial No. 561,408. Published June 12, 1951. Class 39.

548,126. Catalogs and Circulars Periodically Issued and Distributed. Free Sewing Machine Co., Rockford, Ill.
Original filed, act of 1946, Supplemental Register, July 19, 1948; amended to application, Principal Register, Apr. 11, 1951, Serial No. 561,665. Published June 19, 1951. Class 38.

548,127. Textile Rugs and Bath Mat Sets. Monarch Chenilles, Inc., Dalton, Ga.
Filed July 23, 1948, Serial No. 562,078. Published June 19, 1951. Class 42.

548,128. Stencil Sheets for Use in Duplicating Machines. Milo Harding Company, Los Angeles, Calif.
Filed Aug. 2, 1948, Serial No. 562,658. Published May 29, 1951. Class 37.

548,129. Writing Paper and Envelopes. The Green Company, Inc., also doing business as Green Jewelry Co., Kansas City, Mo.
Filed Aug. 9, 1948, Serial No. 563,063. Published June 5, 1951. Class 37.

548,130. Wrapping Paper and Paperboard Containing Sulphate Pulp in Rolls and Sheets. Gaylord Container Corporation, St. Louis, Mo.
Filed Sept. 2, 1948, Serial No. 564,566. Published June 12, 1951. Class 37.

548,131. Oil Burners and Parts Thereof and Boilers. Paragon Oil Burner Corporation, Brooklyn and New York, N. Y.
Filed Sept. 2, 1948, Serial No. 565,296. Published June 26, 1951. Class 34.

548,132. Men's and Boys' Shoes, Made of Leather, Rubber, and Fabric, and Combinations Thereof. The May Department Stores Company, New York, N. Y., and St. Louis, Mo.
Filed Sept. 18, 1948, Serial No. 565,442. Published June 26, 1951. Class 39.

548,133. Leather Jackets. Midwest Leather Clothing Co., St. Louis, Mo.
Filed Sept. 29, 1948, Serial No. 566,090. Published Jan. 3, 1950. Class 39.

548,134. Filing Envelopes With Metal Edging, and Metal Riders and Rails for Suspending the Envelopes in Filing Cabinets. Rud. Fürrer Söhne A.-G., Zurich, Switzerland.
Filed Oct. 7, 1948, Serial No. 566,658. Published June 12, 1951. Class 37.

548,135. High Pressure Oil Burners and Gas Water Heaters. Murlin L. Mosier, doing business as Mosier Sales and Service Company, Sioux City, Iowa.
Filed Oct. 8, 1948, Serial No. 566,713. Published June 26, 1951. Class 34.

548,136. Baking Ovens and Drying Ovens. Despatch Oven Company, Minneapolis, Minn.
Filed Oct. 22, 1948, Serial No. 567,453. Published June 19, 1951. Class 34.

548,137. Metal Clips for Attachment to Cross Tapes of Venetian Blinds To Prevent Shifting of Slats Yet Permit Ready Removal Thereof. John B. Traylor, doing business as Creative Engineering, Denver, Colo.
Filed Oct. 22, 1948, Serial No. 567,473. Published July 3, 1951. Class 13.

548,138. Infants' and Children's Shoes, Sandals, and Boots Made of Leather, Fabric, and Rubber, and Combinations Thereof. The Black River Shoe Co., Poplar Bluff, Mo.
Filed Oct. 26, 1948, Serial No. 567,621. Published June 26, 1951. Class 39.

548,139. Wire Used as Strings for Musical Instruments. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Nov. 16, 1948, Serial No. 568,826. Published June 26, 1951. Class 36.

548,140. Men's and Boys' Shoes Made of Leather, Fabric, Rubber, and Combinations Thereof. Daly Bros. Shoe Co., Inc., Boston, Mass.
Filed Nov. 22, 1948, Serial No. 569,337. Published June 26, 1951. Class 39.

548,141. Coin Operated Vending Machine for Dispensing Capsules. Products Manufacturing Co. Inc., Baltimore, Md.
Filed Nov. 27, 1948, Serial No. 569,534. Published June 12, 1951. Class 23.

548,142. Shoes for Men, Women, and Children. Shoe Corporation of America, Columbus, Ohio.
Filed Nov. 29, 1948, Serial No. 569,572. Published May 22, 1951. Class 39.

548,143. Sets of Lesson Sheets for Courses Relating to Meat Cutting and Meat Products, Sold as Such. Leonard B. Driscoll, Winnipeg, Manitoba, Canada. Priority under Sec. 44(d). Canadian application filed July 6, 1948, Reg. No. 30,360.
Filed Dec. 28, 1948, Serial No. 572,230. Published June 19, 1951. Class 38.

548,144. Fruit and Vegetable Extracts and Juices in Solidified Form, for Confectionery Purposes. Prime Products, Inc., Tampa, Fla.
Filed Feb. 1, 1949, Serial No. 573,140. Published May 29, 1951. Class 46.

548,145. Fabric Cellulosic Wadding in Sheet Form for Making Plastic Reinforcement and Felt Replacement, and for Packaging Materials, Utility Cloths, and the Like. West Point Manufacturing Company, West Point, Ga.
Filed Feb. 3, 1949, Serial No. 573,279. Published June 5, 1951. Class 37.

548,146. Barbeque Sauce. James M. Graham, Springfield, Mo.
Filed Feb. 9, 1949, Serial No. 573,541. Published June 5, 1951. Class 46.

548,147. Chemical Composition for the Prevention of Rusting and Sticking of the Surfaces of Flatwork Ironers and Presses. B. Heller & Company, Chicago, Ill.
Filed Feb. 9, 1949, Serial No. 573,551. Published June 12, 1951. Class 6.

548,148. Candies. Barton, Inc., Brooklyn, N. Y.
Filed Feb. 10, 1949, Serial No. 573,609. Published May 8, 1951. Class 46.

548,149. Procaine Penicillin-G and Buffered Crystalline Penicillin-G for Aqueous Injection. Parke, Davis & Company, Detroit, Mich.
Filed Feb. 28, 1949, Serial No. 574,638. Published June 12, 1951. Class 18.

548,150. Paper Products—Namely, Bond Paper for Writing and Printing Purposes, Manifold, Drawing, Index Bristol, Onion Skin, Cardboard, Blank Memo Pads, Correspondence and Mailing Envelopes, Blank Cards, Legal Cap. Hano Paper Company, Inc., New York, N. Y.
Filed Mar. 10, 1949, Serial No. 575,213. Published June 12, 1951. Class 37.

548,151. Power and Hand Pumps. Goulds Pumps, Incorporated, Seneca Falls, N. Y.
Filed Mar. 14, 1949, Serial No. 575,403. Published May 29, 1951. Class 23.

548,152. Food Product Containing Vitamin B_{12} and Animal Protein Used as a Supplement for Feeding Poultry and Livestock. Honeggers' & Co., Inc., Forrest and Fairbury, Ill., and Mansfield, Ohio.
Filed Mar. 18, 1949, Serial No. 575,643. Published May 29, 1951. Class 46.

548,153. Looseleaf Accounting Forms, Looseleaf Binders, Looseleaf Index, Etc. Charles R. Hadley Company, Los Angeles, Calif.
Filed Mar. 21, 1949, Serial No. 575,761. Published May 22, 1951. Class 37.

548,154. Duplicating Papers of Both Standard and Card Weights for Use in Duplicating Machines. Lincoln Paper Company, Chicago, Ill.
Filed Mar. 19, 1949, Serial No. 575,823. Published June 12, 1951. Class 37.

548,155. Greeting Cards. United Printers and Publishers (Incorporated), doing business as Rust Craft Publishers, Boston, Mass.
Filed Mar. 23, 1949, Serial No. 575,952. Published June 26, 1951. Class 38.

548,156. Candy Bars and Box Chocolates. Merrill Candy Company, Merrill, Wis.
Filed Mar. 24, 1949, Serial No. 576,006. Published May 29, 1951. Class 46.

548,157. Methyl Testosterone for Human Use. Walker Vitamin Products, Inc., Mount Vernon, N. Y.
Filed Mar. 29, 1949, Serial No. 576,300. Published June 12, 1951. Class 18.

548,158. Mechanical Pencils, Mechanical Pencils With Chain Reels, and Chain Reel Erasers. Ketcham & McDougall, Inc., East Orange, N. J.
Filed Apr. 8, 1949, Serial No. 576,813. Published May 15, 1951. Class 37.

548,159. Automotive Parts—Namely, Radiators, Steering Connecting Rods, Tie Rods, Tie Rod Ends, Axles. Pacific American Distributing Company, San Francisco, Calif.
Filed Apr. 8, 1949, Serial No. 576,822. Published June 12, 1951. Class 19.

548,160. Printing and Writing Paper. Hampshire Paper Company Incorporated, Holyoke, Mass.
Filed Apr. 9, 1949, Serial No. 576,863. Published June 5, 1951. Class 37.

548,161. Packaged Chocolates and Candies. The Maillard Corp., New York, N. Y.
Filed Apr. 14, 1949, Serial No. 577,133. Published June 19, 1951. Class 46.

548,162. Analgesic Pain Sedative. Rougier Freres, Montreal, Quebec, Canada.
Filed Apr. 20, 1949, Serial No. 577,455. Published June 12, 1951. Class 18.

548,163. Wrapping and Container Lining Paper. International Paper Company, New York, N. Y.
Filed Apr. 27, 1949, Serial No. 577,792. Published June 19, 1951. Class 37.

548,164. Gelatine for Use as Food or as an Ingredient in Food. B. Young & Company Limited, London, England.
Filed Apr. 27, 1949, Serial No. 577,839. Published June 19, 1951. Class 46.

548,165. Lime Marmalade. L. Rose & Co., Limited, St. Albans, England.
Filed Apr. 30, 1949, Serial No. 578,049. Published May 15, 1951. Class 46.

548,166. Buttons for Emergency Repair on Clothing. Quix-On, Inc., Chicago, Ill.
Filed May 2, 1949, Serial No. 578,100. Published June 19, 1951. Class 40.

548,167. Fresh Apples. Standard Fruits, Inc., Wenatchee, Wash.
Filed May 4, 1949, Serial No. 578,230. Published May 22, 1951. Class 46.

548,168. Women's and Misses', Juniors', and Children's Suits, Coats, Etc. The Blum Store, Philadelphia, Pa.
Filed May 7, 1949, Serial No. 578,366. Published June 5, 1951. Class 39.

548,169. Metal Blooms, Slabs, Billets, Bars, Plates, and Strips. A. M. Byers Company, Pittsburgh, Pa.
Filed May 9, 1949, Serial No. 578,435. Published July 3, 1951. Class 14.

548,170. Ladies' Suits and Coats. Calliday of California, Los Angeles, Calif.
Filed May 11, 1949, Serial No. 578,566. Published June 12, 1951. Class 39.

548,171. Art Needlework Kit or Package Consisting of Hot Transfer Designs, Etc. Ralph C. Moses, New York, N. Y.
Filed May 18, 1949, Serial No. 579,045. Published June 5, 1951. Class 40.

548,172. Greeting Cards, Greeting Sheets, and Greeting Folders. Octavia Walton, Portland, Maine.
Filed May 20, 1949, Serial No. 579,241. Published June 26, 1951. Class 38.

548,173. Candy. Glade Candy Co., Salt Lake City, Utah.
Filed May 24, 1949, Serial No. 579,411. Published June 19, 1951. Class 46.

548,174. Candy. Melba Sweets Co., Cliffside Park, N. J.
Filed May 24, 1949, Serial No. 579,442. Published May 8, 1951. Class 46.

548,175. Writing Paper, Specifically Bond Typewriter Paper. Oregon Pulp and Paper Company, Portland, Oreg.
Filed May 31, 1949, Serial No. 579,754. Published June 12, 1951. Class 37.

548,176. Baking Ovens, Machinery and Equipment, Etc. Louis D. Houlis, doing business as Master Baker Ovens, Dallas, Tex.
Filed June 15, 1949, Serial No. 580,482. Published June 19, 1951. Class 34.

548,177. Hot Air Furnace, Fan, and Ducts for Circulating Air. The Coleman Company, Inc., Wichita, Kans.
Filed June 17, 1949, Serial No. 580,646. Published June 26, 1951. Class 34.

548,178. Industrial Grain Driers Comprising a Furnace or Other Heating Means Connected to a Drying Compartment. The Hess Company, Chicago, Ill.
Filed June 18, 1949, Serial No. 580,726. Published June 19, 1951. Class 34.

548,179. Woodwind Instruments and Brass Instruments for Musical Bands and Orchestras. Targ & Dinner, Inc., Chicago, Ill.
Filed June 20, 1949, Serial No. 580,800. Published June 26, 1951. Class 36.

548,180. Medicinal Preparation Providing Vitamin E Therapy. McNeil Laboratories, Incorporated, Philadelphia, Pa.
Filed June 23, 1949, Serial No. 580,939. Published June 12, 1951. Class 18.

548,181. Pressure Actuated Canister Containing Chemicals for Use in Extinguishing Fires. Penn-Champ Oil Corporation, Butler, Pa.
Filed June 24, 1949, Serial No. 581,013. Published June 19, 1951. Class 23.

548,182. Specially Treated Cleaning and Polishing Napkins. Luella B. Robbins, Saginaw, Mich.
Filed June 25, 1949, Serial No. 581,082. Published June 12, 1951. Class 4.

548,183. Cover Paper. Peninsular Paper Company, Ypsilanti, Mich.
Filed June 30, 1949, Serial No. 581,349. Published May 15, 1951. Class 37.

548,184. Sun Glasses. Bea Gale, doing business as Shenandoah Sales, Winchester, Va.
Filed July 7, 1949, Serial No. 581,590. Published May 22, 1951. Class 26.

548,185. Automobile Seat Covers. Spiegel, Inc., Chicago, Ill.
Filed July 19, 1949, Serial No. 582,193. Published June 5, 1951. Class 19.

548,186. Packages of Rice for Human Consumption. Lake Rice Mill, Inc., Lake Arthur, La.
Filed July 25, 1949, Serial No. 582,487. Published June 5, 1951. Class 46.

548,187. Prepared and Cooked Ground Beef Steaks and Sandwiches. The National Corporation of America, Oakland, Calif.
Filed July 25, 1949, Serial No. 582,492. Published May 29, 1951. Class 46.

548,188. Mechanically Grooved Phonograph Records. Martin Keoshaian, Long Island City, N. Y.
Filed July 27, 1949, Serial No. 582,565. Published June 26, 1951. Class 36.

548,189. Toilet Paper. Resolute Paper Products Corp., New York, N. Y., assignor to Windsor Locks Paper Corp., Windsor Locks, Conn.
Filed July 28, 1949, Serial No. 582,648. Published June 19, 1951. Class 37.

548,190. Paper Towels, Paper Napkins, Toilet Tissue, Paper Facial Tissue. Sterling Pulp & Paper Company, Eau Claire, Wis.
Filed Aug. 1, 1949, Serial No. 582,803. Published May 15, 1951. Class 37.

548,191. Crayons. Milton Bradley Company, Springfield, Mass.
Filed July 7, 1949, Serial No. 583,309. Published May 15, 1951. Class 37.

548,192. Women's, Misses', and Children's Dresses, Coats, Etc. Best & Co. Inc., New York, N. Y.
Filed July 13, 1949, Serial No. 583,316. Published June 26, 1951. Class 39.

548,193. Candy. The Maramor Company, Columbus, Ohio.
Filed Aug. 26, 1949, Serial No. 584,069. Published May 29, 1951. Class 46.

548,194. Supports for Coat Hangers for Use in Automobiles. The Sanjo Utility Manufacturing Co., New York, N. Y.
Filed Aug. 30, 1949, Serial No. 584,254. Published June 19, 1951. Class 19.

548,195. Lawn Mowers and Parts Thereof. Follows & Bate Limited, Manchester and Gorton, Manchester, England.
Filed Sept. 1, 1949, Serial No. 584,326. Published June 26, 1951. Class 23.

548,196. Fresh Tomatoes, Canned Tomato Purée, Canned Pimiento Peppers, Canned Tomatoes, Canned Tomato Sauce, and Canned Tomato Juice for Food Purposes. C. B. Williams, Mercedes, Tex.
Filed Sept. 6, 1949, Serial No. 584,518. Published May 15, 1951. Class 46.

548,197. Cookies. The Kroger Co., Cincinnati, Ohio.
Filed Sept. 10, 1949, Serial No. 584,675. Published May 29, 1951. Class 46.

548,198. Fabrics in the Piece Made in Substantial Part of Nylon Combined With Acetate Rayon. Hego Fabrics, Inc., New York, N. Y.
Filed Sept. 20, 1949, Serial No. 585,066. Published June 19, 1951. Class 42.

548,199. Partially Printed Blank Forms. Professional Printing Company, Inc., Brooklyn, N. Y.
Filed Sept. 20, 1949, Serial No. 585,077. Published June 5, 1951. Class 37.

548,200. Welded Steel Tubular Articles—Namely, Pipe, Tubing and Casing. Republic Steel Corporation, Cleveland, Ohio.
Filed Sept. 20, 1949, Serial No. 585,079. Published July 3, 1951. Class 13.

548,201. Candy. Dairy Maid Confectionery Company, Philadelphia, Pa.
Filed Sept. 23, 1949, Serial No. 585,219. Published June 12, 1951. Class 46.

548,202. Oil Fired Mobile Burners Adapted To Be Used Especially in Burning Weeds From Ditches. Ikard & Newsom, Inc., Las Cruces, N. Mex.
Filed Sept. 23, 1949, Serial No. 585,236. Published June 12, 1951. Class 34.

548,203. Soap. Erasmic Company Limited, London, England.
Filed Sept. 30, 1949, Serial No. 585,578. Published May 29, 1951. Class 52.

548,204. Hosiery for Men and Boys. Korth-Jefferson, Inc., Jefferson, Wis.
Filed Oct. 1, 1949, Serial No. 585,649. Published June 12, 1951. Class 39.

548,205. Corrugated Paper. Chippewa Paper Products Co., Inc., Chicago, Ill.
Filed Oct. 12, 1949, Serial No. 586,138. Published June 5, 1951. Class 37.

548,206. Petroleum and Products of Petroleum With or Without Admixtures of Other Materials, Etc. Union Trading Company, Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,377. Published June 12, 1951. Class 15.

548,207. Ball Bearings. The Barden Corporation, Danbury, Conn.
Filed Oct. 19, 1949, Serial No. 586,514. Published May 22, 1951. Class 23.

548,208. Sprinklers for Irrigation of Lawns, Gardens, Farms, and the Like. Integrated Supply Corp., New York, N. Y.
Filed Oct. 20, 1949, Serial No. 586,598. Published July 3, 1951. Class 13.

548,209. Dehumidifiers. Andre J. E. Roualet, Jr., doing business under the assumed name of Detro, Fraser, Mich.
Filed Oct. 28, 1949, Serial No. 587,000. Published June 19, 1951. Class 34.

548,210. Canned Fish. Rudolph E. Friedman, doing business as Marina Sea Products Co., San Francisco, Calif.
Filed Oct. 31, 1949, Serial No. 587,079. Published June 26, 1951. Class 46.

548,211. Letter Heads, Correspondence Envelopes, Blank Checks and Drafts, Desk Calendars, Blank Labels, and Bond Paper. Engraved Stationery Manufacturers Association, Incorporated, Washington, D. C.
Filed Nov. 4, 1949, Serial No. 587,323. Published June 12, 1951. Class 37.

548,212. Automobile Seat Covers Made of Plastic, Straw, and Imitation Leather. Columbia Auto Seat Cover Co., Inc., Los Angeles, Calif.
Filed Nov. 8, 1949, Serial No. 587,466. Published June 5, 1951. Class 19.

548,213. Vent Pipes Used in the Fuel Tanks of Automotive Vehicles, Anti-Siphoning Theft Guards for Partially Obstructing Vehicle Tank Filler Pipes. Scully Signal Company, Cambridge, Mass.
Filed Nov. 9, 1949, Serial No. 587,564. Published June 12, 1951. Class 19.

548,214. Candy. Ph. Wunderle, Philadelphia, Pa.
Filed Nov. 10, 1949, Serial No. 587,666. Published Sept. 19, 1950. Class 46.

548,215. Machine Tools—Namely, Grinders, Millers, Hobbing Machines, and Parts Thereof. The Lees-Bradner Company, Cleveland, Ohio.
Filed Nov. 15, 1949, Serial No. 587,809. Published June 26, 1951. Class 23.

548,216. Centrifugally Cast Metal Pipe, Centrifugally Cast Soil Pipe and Soil Pipe Fittings, Centrifugally Cast Pressure Pipe and Pressure Pipe Fittings, Centrifugally Cast Metal Bushings, and Centrifugally Cast Metal Sleeves, All of Ferrous or Non-Ferrous Metals. Rudisill Foundry Company, Anniston, Ala.
Filed Nov. 15, 1949, Serial No. 587,822. Published June 26, 1951. Class 13.

548,217. Clays. Edgar Brothers Company, Metuchen, N. J.
Filed Nov. 16, 1949, Serial No. 587,857. Published June 12, 1951. Class 1.

548,218. Clays. Edgar Brothers Company, Metuchen, N. J.
Filed Nov. 16, 1949, Serial No. 587,858. Published June 12, 1951. Class 1.

548,219. Paper Towels. Silkiln Paper Corporation, San Francisco, Calif., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada.
Filed Nov. 19, 1949, Serial No. 588,109. Published May 15, 1951. Class 37.

548,220. Surface-Active Conditioning Agents—Namely, Monoesters of Polyhydric Alcohols for Use in Foods Such as Margarine, Shortening, Chewing Gum, Soups, Peanut Butter, Ice Cream, Ice Cream Powders and the Like. Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
Filed Dec. 14, 1949, Serial No. 588,919. Published June 12, 1951. Class 46.

548,221. Automobile Seat Covers. Brewster Manufacturing Co., Brooklyn, N. Y.
Filed Dec. 7, 1949, Serial No. 588,933. Published June 5, 1951. Class 19.

548,222. Safety Razor Blades. Artur Åquist, Stockholm, Sweden.
Filed Dec. 12, 1949, Serial No. 589,192. Published May 22, 1951. Class 23.

548,223. Medicinal Preparation—Namely, Medicinal Preparation in Tablet Form for the Treatment of Rheumatic Fever, Etc. The G. F. Harvey Company, Saratoga Springs, N. Y.
Filed Dec. 13, 1949, Serial No. 589,259. Published June 12, 1951. Class 18.

548,224. Motor Trucks. International Harvester Company, Chicago, Ill.
Filed Dec. 17, 1949, Serial No. 589,511. Published June 5, 1951. Class 19.

548,225. Macaroni. Prince Macaroni Manufacturing Company, Lowell, Mass.
Filed Dec. 17, 1949, Serial No. 589,528. Published June 5, 1951. Class 46.

548,226. Macaroni. Prince Macaroni Manufacturing Company, Lowell, Mass.
Filed Dec. 17, 1949, Serial No. 589,529. Published June 5, 1951. Class 46.

548,227. Men's and Women's Waterproof Sports Garments—Namely, Waders, Wader Tops, Storm Parkas, Storm Jackets, Storm Coats and Hoods. W. Shanhouse Sons, Incorporated, Rockford, Ill.
Filed Dec. 22, 1949, Serial No. 589,807. Published June 19, 1951. Class 39.

548,228. Saw Blades. Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa.
Filed Dec. 23, 1949, Serial No. 589,868. Published June 19, 1951. Class 23.

548,229. Packaged Breakfast Cereals. American Stores Company, Philadelphia, Pa.
Filed Dec. 29, 1949, Serial No. 590,057. Published May 22, 1951. Class 46.

548,230. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Dec. 29, 1949, Serial No. 590,069. Published June 19, 1951. Class 42.

548,231. Cottonseed and Seed Corn. Vernon R. Mayer, Shreveport, La.
Filed Dec. 30, 1949, Serial No. 590,169. Published June 12, 1951. Class 1.

548,232. Delayed Tack Heat-Sealed Label Paper. Mid-States Gummed Paper Co., Chicago, Ill.
Filed Jan. 10, 1950, Serial No. 590,612. Published June 19, 1951. Class 37.

548,233. Heat-Sealed Label Paper. Mid-States Gummed Paper Co., Chicago, Ill.
Filed Jan. 10, 1950, Serial No. 590,618. Published June 19, 1951. Class 37.

548,234. Bread, Cakes, Fried Coconut Pies, Rolls, Raisin Sandwiches, Butterscotch Cream Pies, Doughnuts, Chocolate Fudge Layer Cake. Hecht's Bakery, Inc., Bristol, Tenn.
Filed Jan. 13, 1950, Serial No. 590,812. Published June 19, 1951. Class 46.

548,235. Machines for Winding Paper, Cellulose or Other Materials on to Spools, Etc. Les Ateliers de Constructions Mecaniques C. & A. Holweg, Strasbourg, Bas-Rhin, France.
Priority under Sec. 44(d). French Registration No. 462,210, filed Dec. 2, 1949.
Filed Jan. 14, 1950, Serial No. 590,901. Published May 22, 1951. Class 23.

548,236. Knitted Wool Fabric. Jantzen Knitting Mills Inc., Portland, Oreg.
Filed Jan. 16, 1950, Serial No. 590,937. Published June 19, 1951. Class 42.

548,237. Porcelain Enameled Base Metal Ware—Namely, Open Sauce Pans, Covered Sauce Pans, Covered Pots, Combination Cookers, Percolators, Coffee Makers, Teakettles, and Casseroles, All for Culinary, Kitchen, and Household Purposes. The Moore Enameling & Manufacturing Company, West Lafayette, Ohio.
Filed Jan. 18, 1950, Serial No. 591,042. Published June 26, 1951. Class 13.

548,238. Food Processing Machinery Comprising Power-Actuated Meat Cutters, Grinders, and Mixers, Sausage Stuffers, Sausage Casing Appliers, Pork Fat Cubing Machines, and Parts Thereof. John E. Smith's Sons Company, Buffalo, N. Y.
Filed Jan. 19, 1950, Serial No. 591,114. Published May 22, 1951. Class 23.

548,239. Gas Burners. Geo. Bray & Co., Limited, Leeds, England.
Filed Jan. 23, 1950, Serial No. 591,277. Published June 19, 1951. Class 34.

548,240. Pillow Cases and Table Covers Made of Plastic Film and Plastic Film Sold in the Piece, for Making Into Table Covers, Shower Curtains, Garment Bags, and the Like. Fine Art Pillow & Specialties Corp., New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,774. Published June 19, 1951. Class 42.

548,241. Elastic Fabric. Dominion Corset Company, Limited, Quebec, Quebec, Canada.
Filed Feb. 1, 1950, Serial No. 591,827. Published June 19, 1951. Class 42.

548,242. Frozen Food Products—Namely, Frozen Peas. Ayres and Roberts, doing business under the fictitious name and style of Quality Frozen Co., San Francisco, Calif.
Filed Feb. 4, 1950, Serial No. 591,975. Published June 19, 1951. Class 46.

548,243. Vellum, Bond, Text, Ledger, and Bristol Papers. Mohawk Paper Mills, Inc., Cohoes and Waterford, N. Y.
Filed Feb. 7, 1950, Serial No. 592,085. Published June 12, 1951. Class 37.

548,244. Cooked and Canned Ham, Fruit Preserves, Canned Fruits. Societe Anonyme Maison Olida, Paris, France.
Filed Feb. 7, 1950, Serial No. 592,105. Published June 19, 1951. Class 46.

548,245. Packaging Materials Consisting of Various Types of Laminates of Foil, Aluminum, Foil and Polyethylene, Etc. Acme Backing Corporation, Brooklyn, N. Y.
Filed Feb. 9, 1950, Serial No. 592,179. Published June 19, 1951. Class 37.

548,246. Packaged Ice Cream. Quality Dairy Company, St. Louis, Mo.
Filed Feb. 13, 1950, Serial No. 592,387. Published June 5, 1951. Class 46.

548,247. Stencils for Duplicating Machines. Speed-O-Print Corporation, Chicago, Ill.
Filed Feb. 11, 1950, Serial No. 592,736. Published June 12, 1951. Class 37.

548,248. Canned Vegetables, Canned Fruits, Canned Seafoods, Canned Chicken, Etc. Griggs, Cooper & Company, St. Paul, Minn.
Filed Feb. 21, 1950, Serial No. 592,810. Published May 22, 1951. Class 46.

548,249. Textile All-Wool Rugs and Carpets. Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa.
Filed Feb. 21, 1950, Serial No. 592,814. Published June 19, 1951. Class 42.

548,250. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Feb. 25, 1950, Serial No. 593,082. Published Nov. 28, 1950. Class 46.

548,251. Medicinal Foot Cream for the Relief of Aching, Burning, and Tender Feet. Walter P. Fields, Nashville, Tenn.
Filed Mar. 2, 1950, Serial No. 593,270. Published June 12, 1951. Class 18.

548,252. Children's Shoes and House Slippers. Shoe Corporation of America, Columbus, Ohio.
Filed Mar. 2, 1950, Serial No. 593,295. Published May 22, 1951. Class 39.

548,253. Stationery—Namely, Informal Writing Paper. Eugenie J. Jones, Webster Groves, Mo.
Filed Mar. 6, 1950, Serial No. 593,489. Published June 12, 1951. Class 37.

548,254. Iodinated Casein Preparation for Use as a Dietary Supplement in the Manufacture of Dairy and Animal Feed. Kaufmann Products Co., San Jose, Calif.
Filed Mar. 6, 1950, Serial No. 593,491. Published June 12, 1951. Class 18.

548,255. Film Strips. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York.
Filed Mar. 10, 1950, Serial No. 593,751. Published May 22, 1951. Class 26.

548,256. Ladies' Aprons. Hannah S. Drake, Great Barrington, Mass.
Filed Mar. 11, 1950, Serial No. 593,790. Published June 26, 1951. Class 39.

548,257. Stoves. The Murray Corporation of America, Detroit, Mich.
Filed Mar. 11, 1950, Serial No. 593,811. Published June 19, 1951. Class 34.

548,258. Smoked Ham. Fred Wolferman, Inc., Kansas City, Mo.
Filed Mar. 11, 1950, Serial No. 593,845. Published June 19, 1951. Class 46.

548,259. Cotton Rugs. Lawrence Products Company, Inc., Attalla, Ala.
Filed Mar. 14, 1950, Serial No. 593,927. Published June 19, 1951. Class 42.

548,260. Scissors and Shears of General Household Utility Type. The Acme Shear Company, Bridgeport, Conn.
Filed Mar. 18, 1950, Serial No. 594,182. Published May 29, 1951. Class 23.

548,261. Cloth in the Piece Made of Worsted, Wool, Mohair, Camel's Hair, Alpaca, Silk, Rayon, Cotton, or Nylon. Fruit of the Loom, Inc., Providence, R. I.
Filed Mar. 21, 1950, Serial No. 594,316. Published June 19, 1951. Class 42.

548,262. Rayon, Cotton, and Silk Piece Goods. Sun Fashions of Hawaii, Honolulu, Territory of Hawaii.
Filed Mar. 24, 1950, Serial No. 594,595. Published June 19, 1951. Class 42.

548,263. Monthly Publication in the Form of a Mimeographed or Like Letter That Is Distributed to the Jewelry Trade and to Prospective Customers, Etc. Muriel Saunders, San Francisco, Calif.
Filed Mar. 27, 1950, Serial No. 594,729. Published June 12, 1951. Class 38.

548,264. Textile Quilting in the Piece, Quilts of Textile Fabrics, and Quilted Mattress Protectors. Acme Quilting Company, Inc., Brooklyn, N. Y.
Filed Mar. 30, 1950, Serial No. 594,876. Published June 19, 1951. Class 42.

548,265. Duck and Canvas Fabrics for Awnings, Canopies, and the Like in the Piece. McCampbell & Company, New York, N. Y.
Filed Mar. 30, 1950, Serial No. 594,910. Published June 19, 1951. Class 42.

548,266. Candy. George Chan, doing business as Chan The Candy Man, Chicago, Ill.
Filed Apr. 5, 1950, Serial No. 595,245. Published June 19, 1951. Class 46.

548,267. Hand, Face, and Skin Soaps, Shampoo, Powdered Soap, and Liquid Dry Cleaner. Samuel Silber, doing business as Burnex Products Co., Newark, N. J.
Filed Apr. 5, 1950, Serial No. 595,287. Published May 29, 1951. Class 52.

548,268. Clothing—Namely, Dresses, Coats, Suits, and Jackets; Underwear—Namely, Panties, Slips, and Petticoats; Corsets; and Hats. Societe a Responsabilite Limitee Anta, Lille, France.
Filed Apr. 11, 1950, Serial No. 595,506. Published June 26, 1951. Class 39.

548,269. Honey Spread and Liquid Honey—Namely, Orange, Clover, and Buckwheat Honey. Finger Lakes Honey Producers Co-Operative, Incorporated, Groton, N. Y.
Filed Apr. 19, 1950, Serial No. 595,950. Published June 19, 1951. Class 46.

548,270. Canned Fruit, Canned Vegetables, Canned Soup, Canned Salmon, Coffee, Mustard, Spices, Food Flavoring Extracts, Peanut Butter, Olives, Fruit Preserves, Fruit Jellies, Vinegar, Catsup, Canned Fruit Juices, and Canned Tomato Juice. Hale-Halsell Company, McAlester, Okla.
Filed Apr. 20, 1950, Serial No. 596,026. Published May 29, 1951. Class 46.

548,271. Orange Juice. Billy Rose, doing business under the name of Billy Rose Candy Co., of N. Y., New York, N. Y.
Filed Apr. 21, 1950, Serial No. 596,121. Published June 5, 1951. Class 46.

548,272. Bond Paper. The W. H. Kistler Stationery Company, Denver, Colo.
Filed Apr. 24, 1950, Serial No. 596,227. Published June 12, 1951. Class 37.

548,273. Wall Paper. Stamford Wall Paper Company, Stamford, Conn.
Filed Apr. 24, 1950, Serial No. 596,243. Published June 12, 1951. Class 37.

548,274. Evaporated Milk. American Stores Company, Philadelphia, Pa.
Filed Apr. 25, 1950, Serial No. 596,252. Published May 22, 1951. Class 46.

548,275. Airplanes. Northrop Aircraft, Inc., Hawthorne, Calif.
Filed Apr. 18, 1950, Serial No. 596,377. Published June 5, 1951. Class 19.

548,276. Pharmaceutical Preparation Having Cough Sedative and Expectorant Action. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,592. Published May 29, 1951. Class 18.

548,277. Book Paper, Cover Paper, Bond Paper, Ledger Paper, Newsprint, Tag Paper, and Bristol Board. James White Paper Company, Chicago, Ill.
Filed Apr. 29, 1950, Serial No. 596,635. Published June 12, 1951. Class 37.

548,278. Sheets of Wrapping Paper. Dixie Wax Paper Company, Dallas, Tex., and Memphis, Tenn.
Filed May 2, 1950, Serial No. 596,717. Published June 12, 1951. Class 37.

548,279. Sheets of Wrapping Paper. Dixie Wax Paper Company, Dallas, Tex., and Memphis, Tenn.
Filed May 2, 1950, Serial No. 596,718. Published June 12, 1951. Class 37.

548,280. Hospital Bed Accessories—Namely, Safety Sides and Guard Rails, Etc. Simmons Company, New York, N. Y.
Filed May 2, 1950, Serial No. 596,759. Published June 12, 1951. Class 44.

548,281. Detergent Compositions Having Disinfecting Properties, for Floors, Walls, Etc. Fuld Brothers, Inc., trading as George Stuart Co., Baltimore, Md.
Filed May 3, 1950, Serial No. 596,787. Published May 29, 1951. Class 52.

548,282. Pliers. Mathias Klein & Sons, Chicago, Ill.
Filed May 4, 1950, Serial No. 596,849. Published June 26, 1951. Class 23.

548,283. Office Supplies—Namely, Ordinary Pencils, Etc. Koh-I-Noor, Pencil Factory L. & C. Hardtmuth, National Corporation, Ceske Budejovice, Czechoslovakia.
Filed May 4, 1950, Serial No. 596,850. Published June 12, 1951. Class 37.

548,284. Candies. Robertson & Woodcock Limited, London, England.
Filed May 5, 1950, Serial No. 597,043. Published May 22, 1951. Class 46.

548,285. Electro-Magnetic Remote-Control Latches for Vehicular and Other Doors. Magicon Enterprises, Oakland, Calif.
Filed May 8, 1950, Serial No. 597,086. Published June 26, 1951. Class 25.

548,286. Flavored Frostings. Fred Fear & Co., Brooklyn, N. Y.
Filed May 9, 1950, Serial No. 597,144. Published June 19, 1951. Class 46.

548,287. Combined Pen and Tie Clasp. L. & H. Stern, Inc., New York, N. Y.
Filed May 11, 1950, Serial No. 597,302. Published June 19, 1951. Class 37.

548,288. Men's Pajamas. The Manhattan Shirt Company, New York, N. Y.
Filed May 13, 1950, Serial No. 597,406. Published June 19, 1951. Class 39.

548,289. Hydraulic Accumulators. Greer Hydraulics, Inc., Brooklyn, N. Y.
Filed May 16, 1950, Serial No. 597,523. Published June 19, 1951. Class 23.

548,290. Wheat Flour, for Human Consumption. International Milling Company, Minneapolis, Minn.
Filed May 24, 1950, Serial No. 597,561. Published June 5, 1951. Class 46.

548,291. Frozen Vegetables. Bay City Freezer, Inc., Bay City, Mich.
Filed May 18, 1950, Serial No. 597,660. Published Apr. 17, 1951. Class 46.

548,292. Open-Top Racks or Cases Having Adjustable and Removable Record Receiving Trays. Watson Manufacturing Company, Inc., Jamestown, N. Y.
Filed May 25, 1950, Serial No. 598,136. Published Mar. 13, 1951. Class 32.

548,293. Wrapping Paper. Nekoosa-Edwards Paper Company, Port Edwards, Wis.
Filed May 27, 1950, Serial No. 598,267. Published June 12, 1951. Class 37.

548,294. Canned Meat—Namely, Corned Beef. Arthur L. Peirson, Inc., New York, N. Y.
Filed May 31, 1950, Serial No. 598,384. Published May 8, 1951. Class 46.

548,295. Bottled Cherries and Bottled Olives. Van Dyk & Reeves Inc., Brooklyn, N. Y.
Filed May 31, 1950, Serial No. 598,398. Published June 5, 1951. Class 46.

548,296. Kitchen and Household Tools and Utensils—Namely, Vegetable Mashers, Etc. Ekco Products Company, Chicago, Ill.
Filed June 7, 1950, Serial No. 598,717. Published May 29, 1951. Class 23.

548,297. Canned Fruits and Vegetables. Connell Bros. Company, Limited, San Francisco, Calif.
Filed June 9, 1950, Serial No. 598,834. Published June 5, 1951. Class 46.

548,298. Canned Tomatoes. Henry W. Roberts Company, Salisbury and Clara, Md.
Filed June 12, 1950, Serial No. 598,960. Published May 29, 1951. Class 46.

548,299. Modified Milk Powders, Modifying Agents for Milk Powders and Milk Products, Such as Whole Milk, Etc. De-Raef Corporation, Kansas City, Mo.
Filed June 13, 1950, Serial No. 598,987. Published June 5, 1951. Class 46.

548,300. Gas Burning Water Heaters, Oil Burning Furnaces, Gas Burning Space Heaters, Blowers and Exhaust Fans, Gasoline Burning Camp Stoves, and Gasoline Burning Lanterns. American Gas Machine Company, Albert Lea, Minn.
Filed June 14, 1950, Serial No. 599,070. Published June 19, 1951. Class 34.

548,301. Spaghetti Sauce With Mushrooms, Spaghetti Sauce With Meat, Spanish Rice, and Macaroni Dinner. H. C. Brill Company, Inc., Newark, N. J.
Filed June 14, 1950, Serial No. 599,080. Published May 29, 1951. Class 46.

548,302. Ladies' Hosiery. Archer Mills, Inc., Columbus, Ga.
Filed June 16, 1950, Serial No. 599,217. Published June 19, 1951. Class 39.

548,303. Ladies', Misses' and Juniors' Coats and Suits. Baitch & Castaldi, Inc., New York, N. Y.
Filed June 16, 1950, Serial No. 599,221. Published June 12, 1951. Class 39.

548,304. Message Blanks in the Form of Postal Cards. Public Relations Society of Texas, San Angelo, Tex.
Filed June 16, 1950, Serial No. 599,257. Published June 5, 1951. Class 37.

548,305. Fabric of Synthetic Fibers and Synthetic and Cotton Fiber Blends. The Millville Manufacturing Company, Philadelphia, Pa.
Filed June 17, 1950, Serial No. 599,335. Published May 29, 1951. Class 42.

548,306. Playing Cards. The United States Playing Card Company, Cincinnati, Ohio.
Filed June 17, 1950, Serial No. 599,352. Published July 3, 1951. Class 22.

548,307. Pretzels, Pretzel Sticks, and Potato Chips. American Cone & Pretzel Company, Philadelphia, Pa.
Filed June 20, 1950, Serial No. 599,408. Published June 19, 1951. Class 46.

548,308. Candy. Blum's, San Francisco, Calif.
Filed June 20, 1950, Serial No. 599,415. Published May 8, 1951. Class 46.

548,309. Wrapping Paper, Primarily Intended for the Wrapping of Gifts. Benmont Papers Inc., Bennington, Vt.
Filed June 21, 1950, Serial No. 599,490. Published June 5, 1951. Class 37.

548,310. Short Cuts of Macaroni Molded to Special Shape. V. La Rosa & Sons, Inc., Brooklyn, N. Y.
Filed June 22, 1950, Serial No. 599,572. Published May 15, 1951. Class 46.

548,311. Decalcomanias. Criterion Decalcomania Co., Inc., New York, N. Y.
Filed June 23, 1950, Serial No. 599,616. Published June 26, 1951. Class 38.

548,312. Writing Paper and Envelopes. Whiting Paper Company, Holyoke, Mass.
Filed June 23, 1950, Serial No. 599,673. Published May 15, 1951. Class 37.

548,313. Wheat Flour. Tex-O-Kan Flour Mills Co., Dallas, Tex., now by change of name Burrus Mills, Incorporated.
Filed July 10, 1950, Serial No. 599,680. Published June 5, 1951. Class 46.

548,314. Knitted Fabrics of Cotton or Rayon and/or a Mixture of Cotton and Rayon. Alamac Knitting Mills, Inc., New York, N. Y.
Filed June 26, 1950, Serial No. 599,737. Published June 19, 1951. Class 42.

548,315. Pencils, Letter Openers, and Desk Calendars. Sandhaus-Ralston-Knight, Inc., Kansas City, Mo.
Filed June 26, 1950, Serial No. 599,785. Published June 19, 1951. Class 37.

548,316. Plastic Sheeting or Films for Packaging and Wrapping Purposes. Gering Products, Inc., Kenilworth, N. J.
Filed June 27, 1950, Serial No. 599,825. Published May 15, 1951. Class 37.

548,317. Fabrics Made of Nylon Fibers Sold in the Piece. Traford Fabrics, Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 599,993. Published June 19, 1951. Class 42.

548,318. Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk, or Combinations Thereof. Traub-Lyons-Oppenheim, Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 599,998. Published June 19, 1951. Class 42.

548,319. Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk, or Combinations Thereof. Traub-Lyons-Oppenheim, Inc., New York, N. Y.
Filed June 29, 1950, Serial No. 599,999. Published June 19, 1951. Class 42.

548,320. Hand Trucks. Grand Specialties Company, Chicago, Ill.
Filed June 28, 1950, Serial No. 600,012. Published June 12, 1951. Class 19.

548,321. Textile Rugs and Carpets. Nye-Wait Company, Inc., Auburn, N. Y.
Filed June 30, 1950, Serial No. 600,070. Published June 19, 1951. Class 42.

548,322. Sheet Blankets, Towels, Mattress Pads, and Mattress Covers, Sheets, and Pillow Cases. The Associated Merchandising Corporation, New York, N. Y.
Filed June 30, 1950, Serial No. 600,099. Published June 19, 1951. Class 42.

548,323. Fabric Consisting of Fibres of Wool and Cotton and/or Synthetics, Impregnated With Rubber. Downing Trading Corporation, New York, N. Y.
Filed July 1, 1950, Serial No. 600,124. Published June 19, 1951. Class 42.

548,324. Artificial Fish Lures. Laurence L. Reckler, Sparks, Nev.
Filed July 3, 1950, Serial No. 600,191. Published June 19, 1951. Class 22.

548,325. Flaked Material Made From Cellophane Sheets, Used as a Drilling Mud Additive. Highland Products, Inc., Highland, Ill.
Filed May 19, 1950, Serial No. 600,244. Published June 12, 1951. Class 6.

548,326. Candies. The Fair, Chicago, Ill.
Filed July 6, 1950, Serial No. 600,259. Published May 8, 1951. Class 46.

548,327. Canned Crabmeat and Tuna Fish. Mitchel Beck Company, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,302. Published June 5, 1951. Class 46.

548,328. Shotgun Shells and Cartridges. Federal Cartridge Corporation, Minneapolis, Minn.
Filed July 7, 1950, Serial No. 600,329. Published June 26, 1951. Class 9.

548,329. Powder Suitable for Making Food Beverage When Leached and Containing Dried Raspberries as the Principal Ingredient. Gunther & Co., Little Falls, N. J.
Filed July 7, 1950, Serial No. 600,333. Published May 15, 1951. Class 46.

548,330. House Trailers. Ironwood Trailer Coaches, Inc., Ironwood, Mich.
Filed July 7, 1950, Serial No. 600,340. Published June 12, 1951. Class 19.

548,331. Inflatable Boats. Bilnor Corp., Maspeth, N. Y.
Filed July 8, 1950, Serial No. 600,368. Published June 5, 1951. Class 19.

548,332. Hair Removal Equipment—Namely, Electrical Depilators. Mahler's, Inc., East Providence, R. I.
Filed July 8, 1950, Serial No. 600,387. Published June 12, 1951. Class 44.

548,333. Pickled Tomatoes. Atkins Pickle Company, Atkins, Ark.
Filed July 10, 1950, Serial No. 600,410. Published May 15, 1951. Class 46.

548,334. Alfalfa Meal Used as Cattle, Stock, and Poultry Feed. Nebraska Farm Products, Inc., Cozad, Nebr.
Filed July 10, 1950, Serial No. 600,442. Published May 15, 1951. Class 46.

548,335. Paper Towels. General Paper Co., Inc., Coatesville, Pa., assignor to West Disinfecting Company, New York, N. Y., a corporation of New York.
Filed July 15, 1950, Serial No. 600,720. Published June 12, 1951. Class 37.

548,336. Chalk Holder. Black Board Buddy Company, Inc., Portland, Oreg.
Filed July 17, 1950, Serial No. 600,761. Published May 29, 1951. Class 37.

548,337. Vellum Paper for Tracing. The A. Lietz Co., San Francisco, Calif.
Filed July 18, 1950, Serial No. 600,838. Published June 5, 1951. Class 37.

548,338. Canned Olives. Terra Bella Olive Association, Terra Bella, Calif.
Filed July 18, 1950, Serial No. 600,860. Published May 8, 1951. Class 46.

548,339. Medicinal Preparation of Thenylpyramine and Cyclopentamine Hydrochloride Used in the Treatment of Hay Fever and Allergic Rhinitis. Eli Lilly and Company, Indianapolis, Ind.
Filed July 19, 1950, Serial No. 600,897. Published May 29, 1951. Class 18.

548,340. Canned Ham. Atalanta Products Corp., New York, N. Y.
Filed July 21, 1950, Serial No. 601,012. Published June 5, 1951. Class 46.

548,341. Portable Hand-Manipulable Sprayers Used for Applying Fly Repellents, Insecticides, Disinfectants, Deodorants, and Liquid Solutions. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed July 21, 1950, Serial No. 601,044. Published June 19, 1951. Class 23.

548,342. Pencils. L. & C. Hardtmuth, Inc., Bloomsbury, N. J.
Filed July 22, 1950, Serial No. 601,105. Published June 5, 1951. Class 37.

548,343. Women's Hosiery. Sapphire Hosiery Corporation, New York, N. Y.
Filed July 22, 1950, Serial No. 601,121. Published June 19, 1951. Class 39.

548,344. Doughnuts Made From Flour Prepared From Yams. Reed V. McCauley, doing business under the firm name and style of McCauley's Bakery, Fresno, Calif.
Filed July 24, 1950, Serial No. 601,154. Published May 22, 1951. Class 46.

548,345. Cast Iron Boilers, Cast Iron Boiler-Burner Units, Etc. United States Radiator Corporation, Detroit, Mich.
Filed July 24, 1950, Serial No. 601,176. Published June 12, 1951. Class 34.

548,346. Pile Ointment, a Salve. George Weaver, doing business as Weaver Products, Chicago, Ill.
Filed July 24, 1950, Serial No. 601,179. Published June 12, 1951. Class 18.

548,347. Prepared Mix for Pancakes, Waffles, Cakes, Cookies, Biscuits, and Muffins. Batter Rich Corporation, Woodside, N. Y.
Filed July 25, 1950, Serial No. 601,189. Published June 19, 1951. Class 46.

548,348. Quick Frozen Poultry Products—Namely, Fancy Young Tom Turkeys, Etc. The Rath Packing Company, Waterloo, Iowa.
Filed July 25, 1950, Serial No. 601,231. Published May 15, 1951. Class 46.

548,349. Anti-Degenerative, Anti-Neoplasmic, Therapeutic, Anticeptic, Curative or Medicinal Tonic. Arbrefen Laboratories, Inc., Wilmington, Del.
Filed July 26, 1950, Serial No. 601,249. Published June 12, 1951. Class 18.

548,350. Prepared Griddle Cake and Waffle Batter. Pan Waff Inc., St. Paul, Minn.
Filed July 28, 1950, Serial No. 601,369. Published May 15, 1951. Class 46.

548,351. Fresh Vegetables. Pismo-Oceano Vegetable Exchange, Oceano, Calif.
Filed Aug. 1, 1950, Serial No. 601,565. Published May 15, 1951. Class 46.

548,352. Toilet Paper. Scott Paper Company, Chester, Pa.
Filed July 31, 1950, Serial No. 601,513. Published June 5, 1951. Class 37.

548,353. Toilet Paper. Scott Paper Company, Chester, Pa.
Filed July 31, 1950, Serial No. 601,514. Published June 26, 1951. Class 37.

548,354. Clay. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y.
Filed Aug. 1, 1950, Serial No. 601,546. Published June 12, 1951. Class 1.

548,355. Hand Operated Compression Sprayers Used To Atomize Fly Oils, Etc. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 2, 1950, Serial No. 601,618. Published June 19, 1951. Class 23.

548,356. Manually Operated Compression Sprayers Used for Spraying Insecticides, Weed-Killers, Whitewash, Cold Water Paints, and Other Sprayable Solutions. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 2, 1950, Serial No. 601,619. Published June 19, 1951. Class 23.

548,357. Manually Operated Compression Sprayers Used for Spraying Insecticides, Weed-Killers, Whitewash, Cold Water Paints, and Other Sprayable Solutions. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 2, 1950, Serial No. 601,620. Published June 19, 1951. Class 23.

548,358. Gasoline Engine Power Sprayer Used for Applying Insecticides, Etc. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 2, 1950, Serial No. 601,621. Published June 19, 1951. Class 23.

548,359. Hand Operated Compression Sprayers Used To Atomize Fly Oils, Soluble Insecticides, Etc. H. D. Hudson Manufacturing Company, Chicago, Ill.
Filed Aug. 2, 1950, Serial No. 601,622. Published June 19, 1951. Class 23.

548,360. Wheat Flour, Coffee, Olives, Pickles, Mayonnaise, Salad Dressing, Etc. Associated Grocers Company of St. Louis, Missouri, St. Louis, Mo.
Filed Aug. 3, 1950, Serial No. 601,657. Published May 29, 1951. Class 46.

548,361. Magazine. King Publications, San Francisco, Calif.
Filed Aug. 5, 1950, Serial No. 601,814. Published June 12, 1951. Class 38.

548,362. Sanitary Disposable Slipper To Be Used When Fitting Shoes. D & K Company, Inc., Ithaca, N. Y.
Filed Aug. 8, 1950, Serial No. 601,886. Published June 26, 1951. Class 39.

548,363. Tailors' Chalk. J. Hershkowitz, Inc., New York, N. Y.
Filed Aug. 8, 1950, Serial No. 601,909. Published May 22, 1951. Class 37.

548,364. Tailors' Chalk. J. Hershkowitz, Inc., New York, N. Y.
Filed Aug. 8, 1950, Serial No. 601,912. Published May 22, 1951. Class 37.

548,365. Tube Fittings. The Weatherhead Company, Cleveland, Ohio.
Filed Aug. 9, 1950, Serial No. 602,009. Published July 3, 1951. Class 13.

548,366. Boys' and Girls' Hosiery. McLellan Stores Company, New York, N. Y.
Filed Aug. 11, 1950, Serial No. 602,101. Published June 19, 1951. Class 39.

548,367. Canned Vegetables. Phillips Packing Co. Inc., Cambridge, Md.
Filed Aug. 11, 1950, Serial No. 602,108. Published May 22, 1951. Class 46.

548,368. Shelled Salted Peanuts. Planters Nut & Chocolate Company, Wilkes-Barre, Pa.
Filed Aug. 11, 1950, Serial No. 602,110. Published May 29, 1951. Class 46.

548,369. Facial Tissue, Paper Towels, Paper Napkins, Toilet Tissue, and Waxed Paper. Crown Zellerbach Corporation, San Francisco, Calif.
Filed Aug. 14, 1950, Serial No. 602,143. Published May 29, 1951. Class 37.

548,370. Fresh Deciduous Fruits and Fresh Grapes. Youngstown Grape Distributors, Reedley, Calif.
Filed Aug. 14, 1950, Serial No. 602,179. Published May 29, 1951. Class 46.

548,371. Greeting Cards. F. W. Woolworth Co., New York, N. Y.
Filed Aug. 15, 1950, Serial No. 602,237. Published June 12, 1951. Class 38.

548,372. Permanently-Plastic Modeling Clay. American Art Clay Company, Indianapolis, Ind.
Filed Aug. 18, 1950, Serial No. 602,356. Published June 12, 1951. Class 1.

548,373. Facial Type of Household Tissue. The General Cellulose Company, Inc., Westfield, N. J.
Filed Aug. 18, 1950, Serial No. 602,392. Published June 5, 1951. Class 37.

548,374. Children's, Girls', Ladies', and Misses' Dresses, Etc. Hausen, Holfman & Weinberg, New York, N. Y.
Filed Aug. 18, 1950, Serial No. 602,396. Published June 12, 1951. Class 39.

548,375. Railway Cars and Railway Car Parts, Etc. Pullman-Standard Car Manufacturing Company, Chicago, Ill.
Filed Aug. 18, 1950, Serial No. 602,421. Published June 12, 1951. Class 19.

548,376. Facial Tissue, Paper Towels, Paper Napkins, Toilet Tissue, and Waxed Paper. Crown Zellerbach Corporation, San Francisco, Calif.
Filed Aug. 19, 1950, Serial No. 602,441. Published June 5, 1951. Class 37.

548,377. Fresh Grapes. Wayne Thornburg, doing business as Wayne Thornburg Ranches, Litchfield Park, Ariz.
Filed Aug. 22, 1950, Serial No. 602,577. Published May 29, 1951. Class 46.

548,378. Medicinal Preparation for Use in Antibacterial and Antiviral Therapy. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Aug. 23, 1950, Serial No. 602,647. Published May 29, 1951. Class 18.

548,379. Leather. Eagle-Ottawa Leather Company, Grand Haven, Mich.
Filed Aug. 24, 1950. Serial No. 602,679. Published June 12, 1951. Class 1.

548,380. Leather. Milo Tanning Corporation, Paris, Maine.
Filed Aug. 24, 1950, Serial No. 602,705. Published June 12, 1951. Class 1.

548,381. Leathers. Colonial Tanning Company, Inc., Boston, Mass.
Filed Aug. 25, 1950, Serial No. 602,749. Published June 12, 1951. Class 1.

548,382. Leathers. Colonial Tanning Company, Inc., Boston, Mass.
Filed Aug. 25, 1950, Serial No. 602,750. Published June 12, 1951. Class 1.

548,383. Fountain Pens and Pencils. Anthony G. Rosa, Lyndhurst, N. J.
Filed Aug. 25, 1950, Serial No. 602,777. Published June 12, 1951. Class 37.

548,384. Natural Mineral Petalite. Foote Mineral Company, Philadelphia, Pa.
Filed Aug. 28, 1950, Serial No. 602,832. Published June 12, 1951. Class 1.

548,385. Natural Titaniferous Iron Ore. Foote Mineral Company, Philadelphia, Pa.
Filed Aug. 28, 1950, Serial No. 602,836. Published June 12, 1951. Class 1.

548,386. Natural Mineral Zircon. Foote Mineral Company, Philadelphia, Pa.
Filed Aug. 28, 1950, Serial No. 602,839. Published June 12, 1951. Class 1.

548,387. Women's Shoes Made of Leather. Joyce, Inc., Pasadena, Calif.
Filed Aug. 28, 1950, Serial No. 602,843. Published June 12, 1951. Class 39.

548,388. Women's Shoes Made of Leather. Joyce, Inc., Pasadena, Calif.
Filed Aug. 28, 1950, Serial No. 602,844. Published June 19, 1951. Class 39.

548,389. Women's Hosiery. Lincoln Stores, Incorporated, Quincy, Mass.
Filed Aug. 28, 1950, Serial No. 602,847. Published June 19, 1951. Class 39.

548,390. Weekly Newspaper. The Chicago World Publishing Company, Inc., Chicago, Ill.
Filed Aug. 29, 1950, Serial No. 602,889. Published June 19, 1951. Class 38.

548,391. Leather. B. D. Eisendrath Tanning Co., Chicago, Ill.
Filed Aug. 29, 1950, Serial No. 602,896. Published June 12, 1951. Class 1.

548,392. Men's, Women's, and Children's Overshoes. Lucky Plastic Co., Inc., Los Angeles, Calif.
Filed Aug. 28, 1950, Serial No. 602,924. Published June 12, 1951. Class 39.

548,393. Newspaper Column Published Periodically. General Features Corporation, New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,941. Published June 19, 1951. Class 38.

548,394. Men's, Boys', Women's, and Girls' Pajamas. Wilker Bros. Co., New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,986. Published June 19, 1951. Class 39.

548,395. Flower Bulbs. Florida Bulb Company, Miami, Fla.
Filed Aug. 31, 1950, Serial No. 603,005. Published June 12, 1951. Class 1.

548,396. Artificial Fish Lures. Florida Fishing Tackle Mfg. Co., Inc., St. Petersburg, Fla.
Filed Aug. 31, 1950, Serial No. 603,006. Published June 19, 1951. Class 22.

548,397. Medicinal Hormone Preparation. Organon Inc., Orange, N. J.
Filed Aug. 31, 1950, Serial No. 603,022. Published May 29, 1951. Class 18.

548,398. Magnetic Belts Used for Therapeutic or Corrective Purposes. Juan A. Berecochea, New York, N. Y.
Filed Sept. 2, 1950, Serial No. 603,106. Published June 12, 1951. Class 44.

548,399. Metal Giftware—Namely, Trays and Bowls. Analco Products, Irvington, N. J.
Filed Sept. 8, 1950, Serial No. 603,276. Published June 26, 1951. Class 13.

548,400. Canned Dog Food. Middlesex Wholesale Grocery Company, Highland Park, N. J.
Filed Sept. 9, 1950, Serial No. 603,375. Published June 5, 1951. Class 46.

548,401. Steroid Corticosterone Derivative Substance Showing Anti-Arthritic Properties. Schering Corporation, Bloomfield, N. J.
Filed Sept. 9, 1950, Serial No. 603,383. Published May 29, 1951. Class 18.

548,402. Steroid Corticosterone Derivative Substance Showing Anti-Arthritic Properties. Schering Corporation, Bloomfield, N. J.
Filed Sept. 9, 1950, Serial No. 603,384. Published May 29, 1951. Class 18.

548,403. Printed and Lithographed Labels. H. S. Crocker Co., Inc., San Bruno, Calif.
Filed Sept. 11, 1950, Serial No. 603,402. Published June 19, 1951. Class 38.

548,404. Thread Cutting Dies. Niles-Bement-Pond Company, West Hartford, Conn.
Filed Sept. 14, 1950, Serial No. 603,541. Published June 26, 1951. Class 23.

548,405. Artificial Bait. The Arnold Tackle Corporation, Paw Paw, Mich.
Filed July 28, 1950, Serial No. 603,709. Published July 3, 1951. Class 22.

548,406. Artificial Bait. The Arnold Tackle Corporation, Paw Paw, Mich.
Filed July 28, 1950, Serial No. 603,711. Published July 3, 1951. Class 22.

548,407. Salmon Eggs Used for Bait. J. E. Lawrence Co., Portland, Oreg.
Filed Sept. 19, 1950, Serial No. 603,743. Published July 3, 1951. Class 22.

548,408. Synthetic Yarn. Henry Pollak, Inc., New York, N. Y.
Filed Sept. 20, 1950, Serial No. 603,811. Published June 26, 1951. Class 43.

548,409. Rods in the Nature of Hand Tools for Cleaning the Tips and Nozzles of Welding, Heating, and Cutting Blowpipes. Union Carbide and Carbon Corporation, New York, N. Y.
Filed Sept. 20, 1950, Serial No. 603,821. Published June 26, 1951. Class 23.

548,410. Ladies' and Girls' Shoes. Carlisle Shoe Company, Carlisle, Pa.
Filed Sept. 21, 1950, Serial No. 603,834. Published June 12, 1951. Class 39.

548,411. Box Cars and Refrigeration Cars. Pressed Steel Car Company, Inc., Chicago, Ill.
Filed Sept. 23, 1950, Serial No. 603,940. Published June 19, 1951. Class 19.

548,412. Women's Shoes Made of Leather. Joyce, Inc., Pasadena, Calif.
Filed Sept. 25, 1950, Serial No. 603,957. Published June 12, 1951. Class 39.

548,413. Manually Operated Mechanical Rocker Exercising Device. Laxivators, Inc., Largo, Fla.
Filed Sept. 25, 1950, Serial No. 603,958. Published July 3, 1951. Class 22.

548,414. Ball Bearings. Ahlberg Bearing Company, Chicago, Ill.
Filed Sept. 27, 1950, Serial No. 604,062. Published May 29, 1951. Class 23.

548,415. Automobile Seat Covers. B. T. Crump Company, Inc., Richmond, Va.
Filed Sept. 27, 1950, Serial No. 604,077. Published June 19, 1951. Class 19.

548,416. Automobile Seat Covers. B. T. Crump Company, Inc., Richmond, Va.
Filed Sept. 27, 1950, Serial No. 604,078. Published June 19, 1951. Class 19.

548,417. Ladies' and Girls' Dungarees. Blue Bell, Inc., Greensboro, N. C.
Filed Sept. 28, 1950, Serial No. 604,142. Published June 12, 1951. Class 39.

548,418. Ladies', Girls', and Kiddies' (Girls) Dungarees. Blue Bell, Inc., Greensboro, N. C.
Filed Sept. 28, 1950, Serial No. 604,143. Published June 12, 1951. Class 39.

548,419. Periodical Publication. National Comics Publications, Inc., New York, N. Y.
Filed Sept. 28, 1950, Serial No. 604,158. Published June 26, 1951. Class 38.

548,420. Brassières, Slips, Petticoats, Nightgowns. United Mills Corporation, Mount Gilead, N. C.
Filed Sept. 28, 1950, Serial No. 604,166. Published June 26, 1951. Class 39.

548,421. Cotton Thread. Bay State Thread Works, Springfield, Mass.
Filed Sept. 29, 1950, Serial No. 604,185. Published June 26, 1951. Class 43.

548,422. Small Hand-Washing Lavatories for Shops and Garages. Earl A. Harris, Orange, N. J.
Filed Oct. 2, 1950, Serial No. 604,301. Published July 3, 1951. Class 13.

548,423. Periodical Publication. International Minerals & Chemical Corporation, Chicago, Ill.
Filed Oct. 3, 1950, Serial No. 604,369. Published June 19, 1951. Class 38.

548,424. Spectacle Frames and Mountings. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Oct. 6, 1950, Serial No. 604,516. Published May 22, 1951. Class 26.

548,425. Cotton Piece Goods. Highland Park Manufacturing Company, Charlotte, N. C.
Filed Oct. 7, 1950, Serial No. 604,578. Published June 12, 1951. Class 42.

548,426. Printed Books. Grosset & Dunlap, Inc., New York, N. Y.
Filed Oct. 9, 1950, Serial No. 604,631. Published June 19, 1951. Class 38.

548,427. Musical Arrangements. The Staff Music Publishing Company, Great Neck, N. Y.
Filed Oct. 9, 1950, Serial No. 604,666. Published June 19, 1951. Class 38.

548,428. Nucleonic Radiation Detection Apparatus Such as Nucleonic Radiation Measurement Meters. Radio Corporation of America, New York, N. Y.
Filed Oct. 11, 1950, Serial No. 604,745. Published May 22, 1951. Class 26.

548,429. Periodical Issued Monthly and in the Nature of a Trade Publication. Unit Structures, Inc., Peshtigo, Wis.
Filed Oct. 13, 1950, Serial No. 604,873. Published June 19, 1951. Class 38.

548,430. Weighing and Computing Scales. U. S. Slicing Machine Company, Inc., La Porte, Ind.
Filed Oct. 14, 1950, Serial No. 604,938. Published May 22, 1951. Class 26.

548,431. Magazine Devoted to Religious and Missionary Subjects, Etc. Home of Onesiphorus, Chicago, Ill.
Filed Oct. 11, 1950, Serial No. 604,943. Published June 19, 1951. Class 38.

548,432. Golf Balls. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Oct. 16, 1950, Serial No. 604,964. Published June 19, 1951. Class 22.

548,433. Greeting Cards. F. W. Woolworth Co., New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,999. Published June 19, 1951. Class 38.

548,434. Weekly Periodical. Peter J. Gaylor, Newark, N. J.
Filed Oct. 18, 1950, Serial No. 605,094. Published June 26, 1951. Class 38.

548,435. Magazine Published Periodically. Medallion Publishing Corp., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,170. Published June 19, 1951. Class 38.

548,436. Comic Strip. New York Herald Tribune Inc., New York, N. Y.
Filed Oct. 20, 1950, Serial No. 605,224. Published June 19, 1951. Class 38.

548,437. Comic Magazines Containing Animal Circus Stories. Nation-Wide Publishing Corp., Chicago, Ill.
Filed Oct. 23, 1950, Serial No. 605,323. Published June 26, 1951. Class 38.

548,438. Comic Magazines. Nation-Wide Publishing Corp., Chicago, Ill.
Filed Oct. 23, 1950, Serial No. 605,325. Published June 26, 1951. Class 38.

548,439. Magazine Published From Time to Time. South-Western Publishing Co., Cincinnati, Ohio.
Filed Oct. 23, 1950, Serial No. 605,332. Published June 26, 1951. Class 38.

548,440. Liquid Level Indicator. Instruments, Inc., Tulsa, Okla.
Filed Oct. 27, 1950, Serial No. 605,484. Published May 22, 1951. Class 26.

548,441. Vibratory Shake-Out Machinery for Foundries, Machinery for Mechanically Screening Loose Materials, Etc. Hewitt-Robins Incorporated, Buffalo, N. Y.
Filed Oct. 26, 1950, Serial No. 605,516. Published May 29, 1951. Class 23.

548,442. Aprons Made of Treated Fabrics. Edmont Manufacturing Company, Coshocton, Ohio.
Filed Oct. 31, 1950, Serial No. 605,651. Published June 12, 1951. Class 39.

548,443. Woven Woolen or Worsted Fabrics. Lynx Corporation, New York, N. Y.
Filed Nov. 2, 1950, Serial No. 605,803. Published June 19, 1951. Class 42.

548,444. Metal Pipe Fittings. Stanley G. Flagg & Co., Inc., Philadelphia, Pa.
Filed Nov. 7, 1950, Serial No. 606,008. Published July 3, 1951. Class 13.

548,445. Rayon Fabrics in the Piece. Kenya Corporation, New York, N. Y.
Filed Nov. 9, 1950, Serial No. 606,144. Published June 19, 1951. Class 42.

548,446. Field and Garden Seeds. M. Milton Hoffman, doing business under the firm style and trade name of Hoffman Seed & Grain Co., Muncy, Pa.
Filed Nov. 13, 1950, Serial No. 606,296. Published June 12, 1951. Class 1.

548,447. Hog Rings. Decker Manufacturing Company, Keokuk, Iowa.
Filed Dec. 7, 1950, Serial No. 607,378. Published July 3, 1951. Class 13.

548,448. Hooks. Selfix Products Co., Chicago, Ill.
Filed Dec. 21, 1950, Serial No. 607,966. Published July 3, 1951. Class 13.

548,449. Fishing Reels, Rods, Poles, Artificial Baits, Hooks, Nets and Gaff Hooks, Etc. Aldens, Inc., Chicago, Ill.
Filed Jan. 8, 1951, Serial No. 608,486. Published June 19, 1951. Class 22.

548,450. Indoor and Outdoor Charcoal Grills. Kamkap, Inc., New York, N. Y.
Filed Jan. 13, 1951, Serial No. 608,761. Published June 26, 1951. Class 34.

548,451. Split Bamboo Fishing Rods. E. F. Payne Rod Company, Inc., Highland Mills, N. Y.
Filed Jan. 19, 1951, Serial No. 609,000. Published July 3, 1951. Class 22.

648,452. Dolls and Flexible Toy Animal Figures of Fur or Fabric and Simulating Animal Action. Puppetoys, Inc., New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,314. Published June 19, 1951. Class 22.

548,453. Dolls and Flexible Toy Animal Figures of Fur or Fabric and Simulating Animal Action. Puppetoys, Inc., New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,315. Published June 19, 1951. Class 22.

548,454. Dolls and Flexible Toy Animal Figures of Fur or Fabric and Simulating Animal Action. Puppetoys, Inc., New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,316. Published June 19, 1951. Class 22.

548,455. Knives, Forks, and Spoons Made of Stainless Steel. Per Aabel, doing business as The Vaco Company, New York, N. Y.
Filed Feb. 3, 1951, Serial No. 609,583. Published June 5, 1951. Class 23.

548,456. Infant Nursing Bottles, Nipples, and Caps Therefor. No-Vac Products Company, Inc., Washington, D. C.
Filed Mar. 21, 1951, Serial No. 611,614. Published June 12, 1951. Class 44.

Service Marks

548,457. Motor Truck Transportation of Freight. The Silver Fleet Motor Express, Inc., Louisville, Ky.
Filed Nov. 5, 1947, Serial No. 540,205. Published Apr. 25, 1950. Class 105.

548,458. Information Service in the Nature of a Radio News Program. Bulletin Company, Philadelphia, Pa.
Filed Mar. 4, 1948, Serial No. 543,253. Published June 26, 1951. Class 107.

548,459. Radio Program Broadcasting Services. Columbia Broadcasting System, Inc., New York, N. Y.
Filed Dec. 22, 1947, Serial No. 545,080. Published June 19, 1951. Class 104.

548,460. Radio Program Broadcasting and Advertising the Goods and Services of Others Through the Medium of Radio Program Broadcasting. WJR The Goodwill Station, Inc., Detroit, Mich.
Filed Dec. 27, 1947, Serial No. 545,609. Published June 19, 1951. Class 101.

548,461. Organizing and Holding Meetings and Competitions and Other Special Events for Business People, Etc. The United States Junior Chamber of Commerce, St. Louis, Mo., and Tulsa, Okla.
Filed May 18, 1948, Serial No. 557,323. COLLECTIVE MARK. Published June 19, 1951. Class 100.

548,462. Financial Factoring—Namely, the Collection and Guarantee of Accounts Receivable; the Extending of Credit by Making Available to Its Clients Against Assigned Accounts Receivable the Net Proceeds Thereof, and the Making of Loans to Them, Etc. C. I. T. Financial Corporation, New York, N. Y.
Filed July 10, 1948, Serial No. 561,077. Published Jan. 16, 1951. Class 102.

548,463. Cleaning of Furs and Fur Garments. Kleinzway, Inc., Chicago, Ill.
Filed Oct. 9, 1948, Serial No. 566,757. Published June 19, 1951. Class 103.

548,464. Cleaning of Furs and Fur Garments. Kleinzway, Inc., Chicago, Ill.
Filed Oct. 9, 1948, Serial No. 566,758. Published June 19, 1951. Class 103.

548,465. Underwriting of Insurance—Namely, Collision, Automobile Bodily Injury and Property Damage, Teams Liability, Bodily Injury and Property Damage Other Than Automobile and Workmen's Compensation; and the Promotion of Safety Among Children Upon the Highways by Educational Means. Selected Risks Indemnity Company, Branchville, N. J.
Filed Nov. 26, 1948, Serial No. 569,480. Published June 19, 1951. Class 102.

548,466. Financing and Refinancing Automobile Sales. Home Finance Group, Inc., Charlotte, N. C.
Filed Mar. 25, 1949, Serial No. 576,058. Published June 19, 1951. Class 102.

548,467. Consulting Services in Connection With the Treatment of Water, Etc. National Aluminate Corporation, Chicago, Ill.
Filed May 20, 1949, Serial No. 579,204. Published June 19, 1951. Class 100.

548,468. Consulting Services to Foundries, Etc. Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y.
Filed Oct. 8, 1949, Serial No. 586,007. Published June 19, 1951. Class 101.

548,469. Entertainment Service in the Nature of an Audience Participation Word-Guessing Program on a Television Broadcast. Balaban & Katz Corporation, Chicago, Ill.
Filed Feb. 15, 1950, Serial No. 592,466. Published June 19, 1951. Class 107.

548,470. Finance and Loan Services—Namely, Refinancing Retail Installment, Etc. General Finance Corporation, Chicago, Ill.
Filed Apr. 15, 1950, Serial No. 595,775. Published Jan. 16, 1951. Class 102.

548,471. Advertising the Goods and Services of Others Through the Medium of Radio Program Broadcasting. Pacific Northwest Broadcasters, Spokane, Wash.
Filed July 24, 1950, Serial No. 601,167. Published June 19, 1951. Class 101.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

548,472. (Class 36. Musical Instruments and Supplies.) Walter E. Smith, Ventura, Calif. Original filed, act of 1905, Mar. 24, 1947; amended to application under act of 1946, Supplemental Register, Dec. 27, 1949, Serial No. 519,494.

MEL-O-CHORD

For Pitch Changing Attachment for Stringed Instruments, Such as Guitars.
Claims use since Jan. 3, 1947.

548,473. (Class 29. Brooms, Brushes, and Dusters.) Handy Sales Manufacturing Company, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Mar. 3, 1948; amended to application, Supplemental Register, July 16, 1951, Serial No. 551,099.

Handy

For Dusting, Washing, and Polishing Mittens for Hand Use and Employed Principally for Dusting, Washing and Polishing Lacquered and Painted Surfaces.
Claims use since Aug. 8, 1928.

548,474. (Class 21. Electrical Apparatus, Machines and Supplies.) James A. Doran, Inc., Providence, R. I. Original filed, act of 1946, Principal Register, June 4, 1948; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 558,474.

FUSEALED

For Spark Plugs.
Claims use since Oct. 15, 1946.

548,475. (Class 46. Foods and Ingredients of Foods.) J. W. Beardsley's Sons, Newark, N. J. Original filed, act of 1946, Principal Register, June 25, 1948; amended to application, Supplemental Register, June 8, 1951, Serial No. 560,158.

BEARDSLEY

The drawing is lined for red and blue. Applicant claims ownership of Registrations Nos. 29,224 and 52,144.

For Salt Codfish, Codfish Cakes, Dried Beef, Peanut Butter and Prepared Mustard.

Claims use since Oct. 28, 1947.

548,476. (Class 36. Musical Instruments and Supplies.) Leland J. Arms, San Francisco, Calif. Filed Mar. 14, 1949, Serial No. 575,390.

Personalized

Applicant claims ownership of Registration No. 434,092.

For Mechanically Grooved Phonograph Records.

Claims use since Feb. 11, 1946.

548,477. (Class 46. Foods and Ingredients of Foods.) Roberts & Morgan, Roanoke, Va. Original filed, act of 1946, Principal Register, June 15, 1949; amended to application, Supplemental Register, Oct. 20, 1950, Serial No. 580,517.

TINA

For Canned Tomatoes.

Claims use since Jan. 10, 1940.

548,478. (Class 18. Medicines and Pharmaceutical Preparations.) Charles Campbell, Avon, S. Dak. Original filed, act of 1946, Principal Register, July 21, 1949; amended to application, Supplemental Register, Dec. 4, 1950, Serial No. 582,268.

Itch-No-More

For Preparations for the Treatment of Dandruff, Scalp Irritations and Ring Worm.

Claims use since July 5, 1949.

548,479. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) C. J. W. Corp., North Hollywood, Calif. Original filed, act of 1946, Principal Register, Sept. 10, 1949; amended to application, Supplemental Register, Nov. 24, 1950, Serial No. 584,663.

L – OAD

S – ET

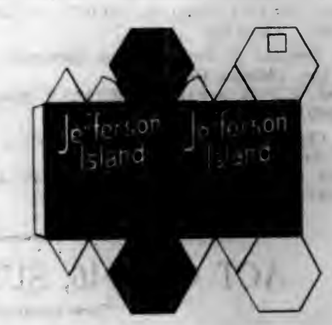
W – EBLOCK

The stippling represents shading.

For Releasable Locking Buckles for Straps Particularly for Industrial Purposes.

Claims use since June 21, 1949.

548,480. (Class 46. Foods and Ingredients of Foods.) Jefferson Island Salt Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Oct. 11, 1949; amended to application, Supplemental Register, July 9, 1951, Serial No. 586,087.



The drawing is lined for red and black.

For Table Salt.

Claims use since March 1936.

548,481. (Class 21. Electrical Apparatus, Machines, and Supplies.) Wico Electric Company, West Springfield, Mass. Original filed, act of 1946, Principal Register, Dec. 7, 1949; amended to application, Supplemental Register, July 9, 1951, Serial No. 588,986.

AUTOSTOP

For Electrically-Controlled Accessory Apparatus for the Hydraulic Brake Systems of Automotive Vehicles, Each Apparatus Comprising an Electromagnetically-Controlled Check Valve and Control Switches Therefor, Such Valve Adapted for Insertion in the Pipe Line Leading to the Brake Cylinders and Operable, When the Brakes Are Applied, To Prevent Reverse Flow of the Brake Fluid and Thereby Maintain the Brakes Applied.

Claims use since Nov. 25, 1949.

548,482. (Class 21. Electrical Apparatus, Machines, and Supplies.) Robert F. Millikan, Ashland, Ky. Original filed, act of 1946, Principal Register, Apr. 21, 1950; amended to application, Supplemental Register, July 5, 1951, Serial No. 596,111.

ATTRACT-O-LITE

For Fishing Light Electrically Operated To Be Lowered Over the Side of a Boat for Purposes of Attracting Fish Under the Water.

Claims use since Nov. 15, 1949.

548,483. (Class 22. Games, Toys, and Sporting Goods.) F. F. Metzger and Son, Union City, Pa. Original filed, act of 1946, Principal Register, May 1, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 596,674.

SWING-A-TOT

For Swings for Use by Children, and Frames for Supporting Same.

Claims use since Nov. 8, 1949.

548,484. (Class 46. Foods and Ingredients of Foods.) Albert J. Ashkar, Los Angeles, Calif., assignee of Ashkar & Shabouh. Original filed, act of 1946, Principal Register, June 5, 1950; amended to application, Supplemental Register, July 23, 1951, Serial No. 598,564.

BEST OFFER

For Fresh Vegetables.

Claims use since Apr. 16, 1950.

548,485. (Class 46. Foods and Ingredients of Foods.) Ray Skrmetta, doing business under the name and style of Deepsouth Packing Co., New Orleans, La. Original filed, act of 1946, Principal Register, Aug. 4, 1950; amended to application, Supplemental Register, June 11, 1951, Serial No. 601,757.

RITZ

For Canned Shrimp.

Claims use since June 3, 1949.

548,486. (Class 21. Electrical Apparatus, Machines, and Supplies.) Nathan Wind, New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 7, 1950; amended to application, Supplemental Register, July 10, 1951, Serial No. 604,606.

VideoVend

For Coin Operating Television Sets.

Claims use since June 26, 1950.

548,487. (Class 46. Foods and Ingredients of Foods.) Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Original filed, act of 1946, Principal Register, Oct. 18, 1950; amended to application, Supplemental Register, June 20, 1951, Serial No. 605,105.



The representation of the candles are disclaimed. The drawing is lined for the colors black, orange, and green. Applicant claims ownership of Registrations Nos. 89,680, 128,451, and others.

For Candles.

Claims use since March 1950 as shown and since 1864 to the word "Mason."

548,488. (Class 46. Foods and Ingredients of Foods.) Parks & Brock, Saticoy and Lompoc, Calif. Original filed, act of 1946, Principal Register, Oct. 30, 1950; amended to application, Supplemental Register, July 31, 1951, Serial No. 605,604.

CAL COAST

For Fresh Vegetables.

Claims use since Aug. 10, 1947.

Service Mark

548,489. (Class 103. Construction and Repair.) Washmobile Corp., Huntington Park, Calif. Original filed, act of 1946, Principal Register, Nov. 2, 1948; amended to application, Supplemental Register, Oct. 23, 1950, Serial No. 568,081.

WASHMOBILE

For Rental of Automotive Washing Equipment for Truck, Bus, and Auto Laundries.

Claims use since Jan. 2, 1948.

TRADE-MARK REGISTRATIONS RENEWED

36,574. BLUE BANNER. Registered June 11, 1901. W. F. Schrafft & Sons. Re-renewed June 11, 1951, to W. F. Schrafft & Sons Corporation, Boston, Mass., a corporation of Massachusetts. Confectionery and Chocolate. Class 46.

36,799. FRAGRINE. Registered July 23, 1901. The Embalmers Supply Co. Re-renewed July 23, 1951, to The C. B. Dolge Company, Westport, Conn., a corporation of Connecticut. Liquid Disinfectants. Class 6.

81,827. THE SCRANTON DRILL. Registered May 9, 1911. Scranton Electric Construction Co. Re-renewed May 9, 1951, to Scranton Electric Construction Co., Scranton, Pa., a corporation of Delaware. Electric Rotary Drills for Drilling Slate, Bone, Rock Salt, Gypsum and Soft Rock. Class 23.

82,324. HARRIS. Registered June 20, 1911. Chas. & Thos. Harris & Co., Limited. Re-renewed June 20, 1951, to C. & T. Harris (Calne) Limited, Calne, England, a British company. Bacon, Hams, Lard for Food, and Brawn. Class 46.

82,446. "STAR" AND REPRESENTATION OF STAR. Registered June 27, 1911. Fred L. Lavanburg, New York, N. Y. Re-renewed June 27, 1951, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware. Paris Green. Class 6.

82,543. CONTEST. Registered July 4, 1911. Western Flour Mill Company, Davenport, Iowa. Re-renewed July 4, 1951, to International Milling Company, Minneapolis, Minn., a corporation of Delaware. Wheat-Flour. Class 46.

82,629. NUGGET. Registered July 11, 1911. The Nugget Polish Co., Ltd. Re-renewed July 11, 1951, to The Nugget Polish Company of New York Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Leather-Polish, Metal-Polish, Furniture-Polish, Blacking, Black Lead for Polishing, Etc. Class 4.

83,877. BABY BEN. Registered Oct. 17, 1911. The Western Clock Manufacturing Company, Peru, Ill. Re-renewed Oct. 17, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

84,262. SMOOTH-ON. Registered Nov. 21, 1911. Smooth-On Manufacturing Company, Jersey City, N. J., a corporation of New Jersey. Re-renewed Nov. 21, 1951. Iron Compound in Plastic Form. Class 14.

274,629. LINERIN. Registered Sept. 2, 1930. Lin-Erin Limited, Lurgan, Ireland, a corporation organized under the laws of Great Britain and Northern Ireland. Renewed Sept. 2, 1950. Handkerchiefs in the Piece and not in the Piece Made of Linen or of Mixtures of Cotton, Art Silk, and Linen, in Which the Linen Predominates; Linen Piece Goods of All Kinds, Etc. Class 42.

276,794. "YANKEE CLIPPER" AND DRAWING. Registered Oct. 28, 1930. Lesnow Brothers, New Haven, Conn. Renewed Oct. 28, 1950, to Lesnow Shirt Co., Inc., Easthampton, Mass., a corporation of Massachusets. Men's and Boys' Suits, Overcoats, Trousers, Work, Dress, and Negligee Shirts. Class 39.

280,810. STERLING. Registered Mar. 3, 1931. Josiah Anstice & Co. Inc., Rochester, N. Y. Renewed Mar. 3, 1951, to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey. Vegetable Peelers, Slicers, French-Fry Cutters, Vegetable Cubers and Dicers, Etc. Class 23.

281,585. "C.O.ÖBERG & CO." ETC. AND DESIGN. Registered Mar. 24, 1931. C. O. Öberg & Co.: s Aktiebolag, Eskilstuna, Sweden, a corporation organized under the laws of Sweden. Renewed Mar. 24, 1951. Files and Rasps. Class 23.

282,352. HERMINE. Registered Apr. 21, 1931. Société des Parfums Weil (Societe Anonyme). Renewed Apr. 21, 1951, to Parfums Weil Paris (Societe Anonyme), Paris, France, a corporation organized under the laws of the Republic of France. Face Powders, Talcum Powders, Rouges, Etc. Class 51.

282,444. CHINCHILLA ROYAL. Registered Apr. 21, 1931. Societe des Parfums Weil (Societe Anonyme). Renewed Apr. 21, 1951, to Parfums Weil Paris (Societe Anonyme), Paris France, a corporation organized under the laws of the Republic of France. Face Powders, Talcum Powders, Rouges, Etc. Class 51.

282,645. "GHTX" AND DESIGN. Registered Apr. 28, 1931. Ingersoll Steel and Disc Co., Galesburg, Ill. Renewed Apr. 28, 1951, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Harrow Discs, Clutch Discs, Friction Discs, Coulter Discs, Saw Blades, and Meat-Cutter Knives. Class 23.

282,944. ZIBELINE. Registered May 5, 1931. Societe des Parfums Weil (Societe Anonyme). Renewed May 5, 1951, to Parfums Weil Paris (Societe Anonyme), Paris, France, a corporation organized under the laws of the Republic of France. Face Powders, Talcum Powders, Rouges, Etc. Class 51.

283,116. STOWAWAY. Registered May 19, 1931. The Mallory Hat Company, Danbury, Conn. Renewed May 19, 1951, to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania. Men's, Women's, and Children's Hats of Felt, Straw and Velour and Men's and Boys' Caps of Fabric. Class 39.

283,417. SIKA. Registered May 26, 1931. A/S Arendal Smelteverk, Eydehavn, near Arendal, Norway, a joint stock company organized under the laws of the Kingdom of Norway. Renewed May 26, 1951. Silicium Carbide, an Electric-Furnace Product Used for Abrasive and Polishing Purposes and for Refractory Purposes, Etc. Class 4.

283,568. LIPAN. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,569. NAVAJO. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,570. RAMIL. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Grease. Class 15.

283,571. REDIND. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,572. RODUS. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Grease. Class 15.

283,573. SUJIND. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Grease. Class 15.

283,574. ZUNI. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Oil. Class 15.

283,594. "POLKS" ETC. AND REPRESENTATION OF COW'S HEAD. Registered June 2, 1931. The Polk Sanitary Milk Company, Indianapolis, Ind., a corporation of Indiana. Renewed June 2, 1951. Dairy Products—Namely, Milk, Buttermilk, Cheese, Cream, Etc. Class 46.

283,689. COGLUBE. Registered June 2, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed June 2, 1951. Lubricating Grease. Class 15.

283,942. BEN FRANKLIN. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

283,943. GENERAL. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks. Class 27.

283,944. G. T. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and watches. Class 27.

283,945. GEN-TIC. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

283,946. GENERAL TIME. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

283,947. GENTIME. Registered June 9, 1931. Western Clock Company, Peru, Ill. Renewed June 9, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Clocks and Watches. Class 27.

284,127. "HOGAN'S" ETC. AND REPRESENTATION OF FLOUR BAG. Registered June 16, 1931. The Hogan Milling Company, Junction City, Kans. Renewed June 16, 1951, to Shellabarger's, Inc., Salina, Kans., a corporation of Delaware. Wheat Flour, Poultry and Dairy Feeds. Class 46.

284,356. KODON. Registered June 23, 1931. Eastman Kodak Company. Renewed June 23, 1951, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey. Photographic Shutters. Class 26.

284,755. "PAR" ACROSS CIRCLE DESIGN. Registered July 7, 1931. Gordon-Allen Ltd. Renewed July 7, 1951, to Salem Commodities, Incorporated, Oakland, Calif., a corporation of Maryland. Granulated Laundry Soap. Class 52.

285,031. "BRECK'S" ETC. AND DRAWING. Registered July 14, 1931. John H. Breck, Inc., Springfield, Mass., a corporation of Massachusetts. Renewed July 14, 1951. Preparations for the Treatment of the Hair, and Scalp. Class 51.

285,209. "FASHION SQUARE". Registered July 21, 1931. Cohn & Rosenberger, Inc. Renewed July 21, 1951, to Coro, Inc., New York, N. Y., a corporation of New York. Pearls, Necklaces, Bracelets, Earrings, Finger Rings, Brooches, Etc. Class 28.

285,217. GERMO. Registered July 21, 1931. Continental Oil Company, Ponca City, Okla., a corporation of Delaware. Renewed July 21, 1951. Lubricating Oil. Class 15.

285,606. "DOW" WITHIN DIAMOND DESIGN. Registered July 28, 1931. The Dow Chemical Company. Renewed July 28, 1951, to The Dow Chemical Company, Midland, Mich., a corporation of Delaware. Cleaning Compositions and Compounds—Namely, Oil, Fat, and Grease Removers; Tar, Etc. Class 52.

285,700. MONARCH. Registered Aug. 4, 1931. Malleable Iron Range Company, Beaver Dam, Wis., a corporation of Wisconsin. Renewed Aug. 4, 1951. Electric Ranges, Electric Ovens, Electric Hot Plates, Electric Grill Stoves, Electric Room Heaters of the Wall Type, and Electric Water Heaters. Class 21.

285,766. "GIMCO FLEXFELT" AND HEAVY UNDERLINE. Registered Aug. 4, 1931. General Insulating & Mfg. Co., Alexandria, Ind. Renewed Aug. 4, 1951, to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware. Heat and Cold Insulation Material in Which Mineral Wool Is the Main Ingredient in Sheet, Granulated, Wool, and Brick Forms. Class 12.

285,890. S DRESNER ORIGINAL. Registered Aug. 11, 1931. S. Dresner & Son, Inc., Chicago, Ill., a corporation of Illinois. Renewed Aug. 11, 1951. Luggage—Viz., Gladstone Bags, Club Bags, Coat Cases, and Overnight Cases. Class 3.

285,892. "SONITTEP". Registered Aug. 11, 1931. George F. Pettinos, Incorporated, Philadelphia, Pa., a corporation of Delaware. Renewed Aug. 11, 1951. Sands. Class 1.

285,956. "JULES JURGENSEN" AND DESIGN. Registered Aug. 11, 1931. Ed. Heuer & Co. Jules Jürgensen Watch Co., Bienne, Switzerland. Renewed Aug. 11, 1951, to Jules Jurgensen Corporation, New York, N. Y., a corporation of New York. Horological Instruments, Not Including Watch Springs. Class 27.

286,046. "UNIVERSAL" ETC. AND DRAWING LINED FOR BROWN, BLUE, AND YELLOW. Registered Aug. 11, 1931. Universal Atlas Cement Company, Chicago, Ill. Renewed Aug. 11, 1951, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Building Cement. Class 12.

286,047. "ATLAS" ETC. AND DRAWING LINED FOR BROWN, BLUE, AND YELLOW. Registered Aug. 11, 1931. Universal Atlas Cement Company, Chicago, Ill. Renewed Aug. 11, 1951, to Universal Atlas Cement Company, New York, N. Y., a corporation of Indiana. Building Cement. Class 12.

286,271. "BLACK FLAG" AND REPRESENTATION OF FLAG. Registered Aug. 25, 1931. The Black Flag Company, Baltimore, Md. Renewed Aug. 25, 1951, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware. Insecticides. Class 6.

286,397. PERKY. Registered Aug. 25, 1931. Candy Kitchens, Inc., Chicago, Ill., a corporation of Illinois. Renewed Aug. 25, 1951. Candy. Class 46.

286,931. CHAPPIES. Registered Sept. 8, 1931. Candy Kitchens, Inc., Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1951. Candy. Class 46.

287,080. "BARKER'S" ETC. AND DRAWING. Registered Sept. 15, 1931. Barker, Moore & Mein Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1951. Periodical Publication. Class 38.

287,189. WRIGHT ARCH PRESERVER SHOES. Registered Sept. 15, 1931. E. T. Wright & Company, Inc. Renewed Sept. 15, 1951, to E. T. Wright & Co., Inc., Rockland, Mass., a corporation of Massachusetts. Men's and Boys' Leather and Canvas Boots and Shoes. Class 39.

287,209. "MAINE'S IDEAL" AND DRAWING LINED FOR GOLD, RED AND GREEN. Registered Sept. 15, 1931. Federal Mill, Inc., Lockport, N. Y. Renewed Sept. 15, 1951, to International Milling Company, Minneapolis, Minn., a corporation of Delaware. Wheat Flour. Class 46.

287,732. TELEDIPHONE. Registered Oct. 6, 1931. Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey. Renewed Oct. 6, 1951. Phonographic Apparatus Designed To Produce Grooved Sound Records and To Reproduce Sound From Such Records. Class 36.

287,940. "TASTY-PIE" AND DRAWING. Registered Oct. 20, 1931. Tasty Baking Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Oct. 20, 1951. Pies. Class 46.

287,989. "ROQUEFORT SURCHOIX" ETC. AND DRAWING. Registered Oct. 20, 1931. Societe Anonyme Des Caves & Des Producteurs Reunis De Roquefort, Roquefort, France, a corporation organized under the laws of the Republic of France. Renewed Oct. 20, 1951. Cheese. Class 46.

288,175. HANDY ANDY. Registered Oct. 20, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed Oct. 20, 1951. Faucet Seats, Fuller Balls, Piston Packing, Etc. Class 35.

288,318. WESTOY. Registered Oct. 27, 1931. Western Clock Company, Peru, Ill. Renewed Oct. 27, 1951, to General Time Corporation, La Salle, Ill., a corporation of Delaware. Electrical Motors. Class 21.

288,396. "GULFSTEEL" WITHIN CIRCLE DESIGN. Registered Oct. 27, 1931. Gulf States Steel Company, Birmingham, Ala. Renewed Oct. 27, 1951, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. Black Sheets, Annealed Sheets, Galvanized Sheets, Etc. Class 14.

288,412. SCOUROL. Registered Oct. 27, 1931. E. F. Houghton & Co., Philadephia, Pa., a corporation of Pennsylvania. Renewed Oct. 27, 1951. Compounds Used in Softening Textile Fabrics. Class 6.

288,579. DELTASEAL. Registered Nov. 3, 1931. Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri. Renewed Nov. 3, 1951. Paper Bags and Cartons. Class 2.

288,614. VIVETTE. Registered Nov. 3, 1931. Haas, Baruch & Co., Los Angeles, Calif., a corporation of California. Renewed Nov. 3, 1951. Canned Sardines. Class 46.

288,851. TERRAZZO-SAN. Registered Nov. 10, 1931. Huntington Laboratories, Inc., Huntington, Ind., a corporation of Indiana. Renewed Nov. 10, 1951. Cleaning Compound Especially for Terrazzo, Tile, and Marble Surfaces. Class 52.

288,898. CUCKOO. Registered Nov. 10, 1931. The Wooster Brush Company, Wooster, Ohio, a corporation of Ohio. Renewed Nov. 10, 1951. Paint and Varnish Brushes. Class 29.

289,065. PAMELA. Registered Nov. 17, 1931. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Women's, Misses', and Junior Misses' Raincoats, Rubbers, Overshoes of Rubber or Fabric and/or Combinations Thereof, Etc. Class 39.

289,072. CLO-TRATE. Registered Nov. 17, 1931. Health Products Corporation. Renewed Nov. 17, 1951, to White Laboratories, Inc., Newark, N. J., a corporation of New Jersey. Cod Liver Oil Concentrate. Class 18.

289,078. "ZIMATE" ETC. AND CIRCLE DESIGN. Registered Nov. 17, 1931. R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Chemical Compound Used as an Accelerator in the Manufacture of Rubber Products. Class 6.

289,114. "DEL MAIZ" AND REPRESENTATION OF CORN. Registered Nov. 17, 1931. Minnesota Valley Canning Company. Renewed Nov. 17, 1951, to Green Giant Company, Le Sueur, Minn., a corporation of Minnesota. Canned Corn. Class 46.

289,131. TWEEDETTES. Registered Nov. 17, 1931. Tweedie Footwear Corporation, Jefferson City, Mo., a corporation of Missouri. Renewed Nov. 17, 1951. Ladies' and Misses' Shoes of Leather, Fabric, and Rubber and Combinations of Said Materials. Class 39.

289,135. CERANINE. Registered Nov. 17, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Dyestuffs, Lakes and Chemical Products Suitable for Dyeing Purposes. Class 6.

289,136. PRINTOGEN. Registered Nov. 17, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Dyestuffs, Lakes, and Chemical Products Suitable for Dyeing Purposes. Class 6.

289,137. RESOLINE. Registered Nov. 17, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Dyestuffs, Lakes, and Chemical Products Suitable for Dyeing Purposes. Class 6.

289,138. THIOTAN. Registered Nov. 17, 1931. Sandoz Chemical Works, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Dyestuffs, Lakes, and Chemical Products Suitable for Dyeing Purposes. Class 6.

289,162. "HENRY BECKER & SON, INC." ETC. AND DRAWING LINED FOR BLUE. Registered Nov. 17, 1931. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Nov. 17, 1951. Milk. Class 46.

289,163. "HENRY BECKER & SON, INC." ETC. AND DRAWING LINED FOR RED. Registered Nov. 17, 1931. Henry Becker & Son, Inc., Roseland, N. J., a corporation of New Jersey. Renewed Nov. 17, 1951. Milk. Class 46.

289,397. "S" AND REPRESENTATION OF GLOBE AND DRAWING. Registered Nov. 24, 1931. The Singer Manufacturing Company, Elizabeth, N. J., and New York, N. Y. Renewed Nov. 24, 1951, to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey. Sewing Machines, Their Parts and Attachments. Class 23.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

275,460. FORE. Registered Sept. 23, 1930. Ar. Winsrick, Inc., New York, N. Y. Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Etc. Class 6. Amended as follows: In the statement, the description of goods, with the exception of "after-shaving lotions," appearing in line 20, is deleted.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 2

RECEPTACLES

Reg. No. 97,503. Registered June 9, 1914. W. A. Plummer Mfg. Co., San Francisco, Calif. Republished by Ames Harris Neville Co., San Francisco, Calif., a corporation of California.

DESERT

For Water Containing Vessels Serving as Coolers.
Claims use since about June 1, 1913.

Reg. No. 100,994. Registered Nov. 3, 1914. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Republished by registrant.



The trade-mark consists of two parallel lines upon the bag.
For Jute Bags.
Claims use since Jan. 1, 1877.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 213,188. Registered May 25, 1926. The Inland Fire Brick Company, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Brixaver

For Cement Prepared in Powdered Form.
Claims use since July 1, 1923.

CLASS 15

OILS AND GREASES

Reg. No. 337,894. Registered Aug. 25, 1936. Southwest Grease & Oil Co., Inc., Wichita, Kans., a corporation of Kansas. Republished by registrant.



The words "Super Service" are disclaimed apart from the mark as shown.
For Lubricating Oils and Greases.
Claims use since September 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 129,460. Registered Feb. 24, 1920. The Gobeen Manufacturing Company, Warren, Ohio. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.

PAINT ENGINEERS

For Rust-Resisting Paint for Coating Metal, Heat-Resisting Paint for Coating Metal, Neutralizing-Paint for Galvanized Iron and Steel for Neutralizing the Film of Zinc Chlorid Upon the Metal, Acid-Resisting Paint; Waterproof Paints for Plaster, Concrete, Masonry, and Brick Surfaces; Paints for Preserving Wood, Paints for Coating Shingles, Dry Colors, Colors in Oil, Ready-Mixed Paints, and Enamel Paints.
Claims use since Apr. 15, 1915.

Reg. No. 148,053. Registered Nov. 8, 1921. The Gobeen Corporation, Wilmington, Del., and New York, N. Y. Republished by Vita-Var Corporation, Newark, N. J., a corporation of New Jersey.



The words "Product" and "A Paint for All Hot Surfaces" are disclaimed apart from the mark as shown.
For Ready-Mixed Paints for Hot Surfaces.
Claims use since Aug. 1, 1920.

Reg. No. 315,725. Registered Aug. 7, 1934. Beautykote Corporation, Newark, N. J., a corporation of New Jersey. Republished by registrant.

beautykote

For Ready-Mixed Paints, Varnishes, and Paint Enamels.
Claims use since Jan. 30, 1934.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 382,809. Registered Nov. 12, 1940. Arthur D. Goldhaft, Vineland, N. J. Republished by Vineland Poultry Laboratories, Landis Township, N. J., a firm.



For Poultry Biologic Products—Namely, Fowl Laryngotracheitis Vaccine, Fowl Pox Vaccine, Pigeon Pox Vaccines, and Stained Antigen.
Claims use since Jan. 1, 1939.

Reg. No. 436,238. Registered Jan. 27, 1948. Ames Company, Inc., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Dechrolin

For Cholagogues and Choleretics for the Treatment of All Diseases of the Liver and Bile Ducts Such as Cholangitis (Jaundice) and Cholelithiasis, Diuretics in Noncompensated Heart Defects and Ascites With Cirrhotic Diseases of the Liver, Preparations Diminishing the Untoward Effects in the Internal Treatment of Diabetes, Preparation for Use in the Treatment of Drug and Alcohol Poisoning and in the Treatment of Certain Conditions of Poisoning, Especially Metallic Poisonings, in Which Detoxification of the Liver Proves Beneficial; Mental Affections Due to Liver Diseases, Improving the Technique of Cholecystography, Treatment of Pneumococcic Infections, Treatment of Constipation, Treatment of Allergic Diseases.
Claims use since 1922.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 337,462. Registered Aug. 11, 1936. Quaker City Rubber Company, Philadelphia, Pa. Republished by Quaker Rubber Corporation, Philadelphia, Pa., a corporation of Pennsylvania.



The words "Philadelphia, Penna., U. S. A." are disclaimed per se.
For Rubber Sheet Packing.
Claims use since about 1906.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 327,651. Registered Sept. 3, 1935. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.



The word "Cloth" is disclaimed apart from the mark as shown.
For Woolen and Worsted Piece Goods.
Claims use since Nov. 30, 1934.

Reg. No. 347,117. Registered June 15, 1937. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

Turkestana

For Woolen Piece Goods.
Claims use since Dec. 1, 1936.

CLASS 43

THREAD AND YARN

Reg. No. 404,135. Registered Nov. 2, 1943. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

SAXATONES

For Hand Knitting Yarns.
Claims use since June 11, 1943.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 260,526. Registered Aug. 27, 1929. Arrowhead Springs Beverage Co., Los Angeles, Calif. Republished by Arrowhead Beverage Co., Los Angeles, Calif., a copartnership.



For Carbonated, Nonalcoholic, Noncereal, Maltless, Beverages Sold as Soft Drinks—Namely, Ginger Ale.
Claims use since 1915.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 95,723. Registered Mar. 3, 1914. F. G. Vogt & Sons, Inc., Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

LIBERTY

For Lard, Ham, Bacon, and Scrapple.
Claims use since about Aug. 5, 1912.

Reg. No. 271,744. Registered June 17, 1930. Inland Milling Company, Des Moines, Iowa. Republished by Inland Mills, Inc., Des Moines, Iowa, a corporation of Iowa.



For Wheat Flour.
Claims use since July 24, 1928.

Reg. No. 272,186. Registered July 1, 1930. Inland Milling Company, Des Moines, Iowa. Republished by Inland Mills, Inc., Des Moines, Iowa, a corporation of Iowa.



For Wheat Flour.
Claims use since Sept. 12, 1928.

Reg. No. 307,669. Registered Oct. 31, 1933. Modern Food Process Company, Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Alaham

For Ham.
Claims use since June 12, 1933.

Reg. No. 345,363. Registered Apr. 27, 1937. F. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

LIBERTY BELL

For Scrapple, Ham, and Rinds of Ham and Bacon.
Claims use since June 28, 1912.

Reg. No. 367,494. Registered May 16, 1939. F. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Vo-Kam

For Meat Loaves.
Claims use since Jan. 12, 1939.

Reg. No. 369,456. Registered July 25, 1939. F. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

PORKEES

For Pork Sausages.
Claims use since Sept. 8, 1932.

Reg. No. 377,974. Registered May 21, 1940. F. G. Vogt & Sons, Incorporated, Philadelphia, Pa. Republished by Oscar Mayer & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.



The surname "Vogt's" and the words "Philadelphia" and "Scrapple" are disclaimed apart from the mark as shown.
For Canned Scrapple.
Claims use since Dec. 8, 1939.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 383,884. Registered Dec. 24, 1940. Parfumerie de Raymond, New York, N. Y., a firm. Republished by registrant.

MIMZY

For Perfume, Toilet Water, Eau de Cologne, Bath Powder, and Dusting Powder.
Claims use since Nov. 4, 1925.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 439,859. Registered July 27, 1948. Help, Inc., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The drawing is lined for blue, red, and yellow.
For General Household Cleaning Preparation With Incidental Water Softening Properties in Powder or Liquid Form.
Claims use since Sept. 15, 1925.

PLANT PATENTS

GRANTED SEPTEMBER 18, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,036
ROSE PLANT

Wilhelm Kordes, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application July 18, 1950, Serial No. 174,547
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the large-flowered polyantha class, characterized as to novelty by the sharp, clear and unique color tones of Spectrum Red overcast with Scarlet Red of the flowers, by the cupped form of the flowers which particularly accentuates the sharpness of color as aforeaid, by the unique central petaloids having a deep cut at the top with a white streak through the center by its freedom of growth and clustered habit of bloom in a true Floribunda manner, and by its hardiness and disease resistace, substantially as shown and described.

1,037
EUGENIA PLANT

John S. Armstrong, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California

Application March 7, 1950, Serial No. 148,230
1 Claim. (Cl. 47—59)

A new and distinct variety of eugenia plant, characterized by its similarity to its parent "*Eugenia paniculata* Australis," while differing therefrom by its more dwarf, compact and bushy habit of growth and by its broad pyramidal shape, with more abundant but smaller leaves and shorter internodes, substantially as shown and described.

1,038
ROSE PLANT

Hendrikus Antonie Maria Verschuren, Haps, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application July 18, 1950, Serial No. 174,549
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its distinctive color, by the numerous petals of its large-sized flowers, by the vigorous habit of growth of the plant, and by the continuity of bloom throughout the year, substantially as shown and described.

PATENTS

GRANTED SEPTEMBER 18, 1951

2,567,916
METHOD OF MAKING DIPENTENE AND VINYLCYCLOHEXENE RESIN
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1948, Serial No. 45,781
7 Claims. (Cl. 260—88.1)

1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene) and commercial dipentene in a proportion of vinyl cyclohexene equal to from 10% to 50% the weight of the blend into reactive contact with an acid-reacting metal halide polymerization catalyst in the presence of an inert solvent diluent for the polymers of the said vinyl cyclohexene and the said dipentene, to form hard resin polymers of vinyl cyclohexene and the dipentene in solution, and recovering the resin polymers so formed.

2,567,917
METHOD OF MAKING BETA-PINENE, REARRANGED ALPHA-PINENE, AND VINYL CYCLOHEXENE RESIN
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1948, Serial No. 45,782
7 Claims. (Cl. 260—80.5)

1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene) and a terpene blend consisting of beta-pinene and "rearranged alpha-pinene" composed over 70% of camphene and dl-limonene, the said blend comprising from 40% to 80% beta-pinene, in a proportion of vinyl cyclohexene equal to from 10% to 50% the weight of the mixture into reactive contact with an acid-reacting metal halide polymerization catalyst selected from the group consisting of aluminum chloride and aluminum bromide in the presence of an inert solvent diluent for the polymers of the vinyl cyclohexene and the said terpene blend, to form hard resin polymers of vinyl cyclohexene and the terpene blend in solution, and recovering the resin polymers so formed.

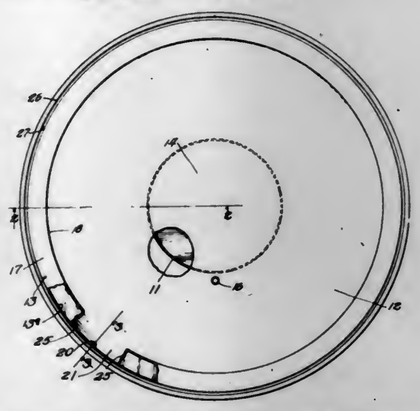
2,567,918
ALPHA-PINENE AND VINYL CYCLOHEXENE RESIN
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1948, Serial No. 45,784
7 Claims. (Cl. 260—88.1)

1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene and a compound consisting of alpha-pinene in a proportion of vinyl cyclohexene equal to from 10% to 50% the weight of the blend into reactive contact with an acid-reacting metal halide polymerization catalyst in the presence of an inert solvent diluent for the polymers of the said vinyl cyclohexene and alpha-pinene, to form hard resin polymers of vinyl cyclohexene and alpha-pinene in solution, and recovering the resin polymers so formed.

2,567,919
METHOD OF MAKING BETA-PINENE AND VINYL CYCLOHEXENE RESIN
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1948, Serial No. 45,786
7 Claims. (Cl. 260—88.1)

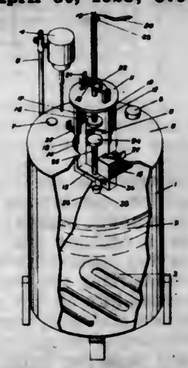
1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene) and a compound consisting of beta-pinene in a proportion of vinyl cyclohexene equal to from 5% to 50% the weight of the blend into reactive contact with an acid-reacting metal halide polymerization catalyst in the presence of an inert solvent diluent for the polymers of the said vinyl cyclohexene and beta-pinene, to form hard resin polymers of vinyl cyclohexene and beta-pinene in solution, and recovering the resin polymers so formed.

2,567,920
FLOATING ROOF
John W. Allen, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 6, 1945, Serial No. 620,777
1 Claim. (Cl. 220—26)



A floating roof comprising a central flat bottom pontoon having a cone roof, an outer substantially annular pontoon having a downwardly and inwardly sloping upper surface forming the top wall thereof and having an inner side wall and a bottom wall, an annular upstanding rim joined to the top and bottom walls of the outer pontoon and forming the outer wall thereof, an annular deck supported entirely by the central pontoon during normal operation of the roof, said deck sloping outwardly and downwardly from the central pontoon to the annular pontoon and being connected to the inner side wall of said annular pontoon at a point substantially below the top thereof, a broken portion in the top, side and bottom walls of said annular pontoon, said deck extending at said broken portion to the outer rim and being connected thereto, and a drain at the outer edge of said deck extension.

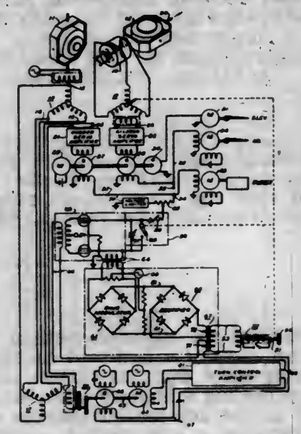
2,567,921
DIELECTRIC TEST APPARATUS
Alfred A. Boehm, Jr., New York, N. Y.
Application March 7, 1945, Serial No. 581,534
5 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a dielectric-testing device of the class described, a tank for containing an electrically insulating liquid, an opening in the top of the tank, guideways extending through the opening from the exterior to the interior of the tank, a sample holder supported by the guideways for movement along them, electrodes at the top and bottom of the sample holder, electrical connectors to the respective electrodes for providing a potential differential between them, the bottom electrode being fixed, the top electrode being movable in the top of the sample holder towards and away from the bottom electrode, means for locking the top electrode in raised position relative to the bottom electrode and means for locking the sample holder in raised position along the guideways exteriorly of the tank, the sample holder comprising a cover that closes the opening of the tank when the sample holder is in lowered position within the tank.

2,567,922
AUTOMATIC PILOT FOR AIRCRAFT
Richard S. Brannin, East Williston, Percy Halpert, Hempstead, and George F. Jude, Richmond Hill, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application February 26, 1946, Serial No. 650,374
12 Claims. (Cl. 244—77)

1. In an automatic control system for aircraft having stable heading and bank references and servo means controlled therefrom for applying corrective moments to the aircraft in heading and bank, means for biasing the control of both of said servo means from their references to initiate a banked turn, means sensitive to side slip or skid and constructed and arranged to supply a signal for modifying at least one of the biasing means in a sense to eliminate side slip and skid, and means for increasing and decreasing the relative strength of said side slip sensitive signal as



a function of increasing and decreasing bank angle.

2,567,923
PREHENSILE PIPE-CLEANING SWAB
Edward Burke, Brooklyn, N. Y.
Application October 4, 1946, Serial No. 701,241
2 Claims. (Cl. 15—104.3)
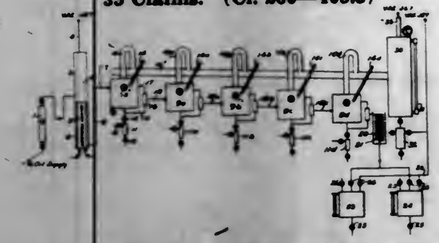


1. A clearing implement comprising a flexible handle and a head made of a stiff but flexible plate bent double adjacent the middle thereof to bring the ends together, and riveted to the handle at said ends, the plate having an opening adjacent the middle to receive the handle in sliding engagement, the plate presenting shoulders adjacent said opening on both sides of the handle and a textile sleeve enveloping said head, engaging said shoulders and having tentacles projecting beyond the riveted end of the head.

2,567,924
WOOD FILLER COMPOSITION
Edward R. Bush, Lemont, Ill., and John E. Hanle, Westfield, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application January 9, 1947, Serial No. 721,161
5 Claims. (Cl. 260—19)

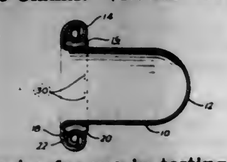
1. A composition of matter suitable for use as a wood filler comprising pigment dispersed in a vehicle comprising an emulsion of an oleoresinous varnish and a volatile organic solvent solution of a thermosetting resin which is incompatible with the oleoresinous varnish, said emulsion being of the non-aqueous type.

2,567,925
CONTINUOUS DEHYDRATION PROCESS
Ivor Milton Colbeth, Maplewood, N. J., assignor to The Baker Castor Oil Company, Jersey City, N. J., a corporation of New Jersey
Application March 25, 1948, Serial No. 16,915
35 Claims. (Cl. 260—405.5)



1. A continuous stepwise method for dehydrating an ester of a hydroxyl-containing fatty acid having more than six carbon atoms which comprises passing said ester at an elevated temperature in the substantial absence of gaseous oxygen through a plurality of reaction vessels in the presence of a dehydration catalyst distributed throughout said reaction vessels, and introducing said catalyst into more than one of said reaction vessels in controlled amounts during the course of the dehydration reaction.

2,567,926
TUBULAR SUPPORTING MEMBER
Milton S. Dunkelberger, Dayton, Ohio
Application March 1, 1946, Serial No. 651,395
5 Claims. (Cl. 128—294)

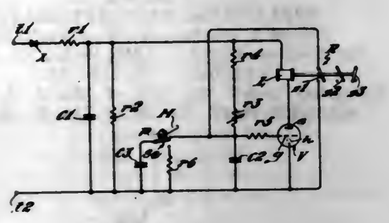


5. In a device for use in testing and applying a rubber tubular member having a closed end upon an external member of the human body, the combination including a cup-shaped member having an opening surrounded by the margin of the cup-shaped member, said cup-shaped member being provided with an aperture in the bottom thereof, the margin of the cup-shaped member providing a support for a roll formed from a portion of the rubber member, the closed end of the rubber member extending over the opening of the cup-shaped member, means for exhausting the air from the space between the cup-shaped member and the closed end of the rubber member, said means including a bulbous suction pump exhausting the air through the aperture in the bottom of the cup-shaped member, and a baffle-like plate mounted in spaced relation from the bottom of the cup-shaped member so as to prevent the closed end of the rubber member from sealing the aperture while exhausting the air to test the rubber member.

2,567,927
ALIPHATIC ORTHOFORMIC ESTERS
John G. Erickson, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 4, 1949, Serial No. 74,700
13 Claims. (Cl. 260—615)

1. The method comprising intermixing hydrogen cyanide and a solution of hydrogen chloride in an alkyl monohydric alcohol at a temperature not in excess of about 35° C. to form an orthoformic ester and recovering the thus-formed ester.

2,567,928
COLD CATHODE TIMER
Edward B. Farmer, Waban, Mass.
Application August 27, 1949, Serial No. 112,816
2 Claims. (Cl. 175—320)



1. A device responsive to speed, such as underspeed, of a machine, comprising two terminals for connection to a power supply; a vacuum tube having an anode, a cathode and a control electrode; a relay having a plurality of contacts and a solenoid for transferring the contacts, the solenoid being connected in a circuit containing said anode, said cathode and said terminals; a control network including a timing capacitor, means for energizing said capacitor from said terminals, and means for connecting said capacitor between said circuit and said control electrode for applying to the electrode the potential developed across the capacitor; and means operated by said machine for periodically discharging the capacitor so that the potential of the capacitor charge is limited to a value below the striking potential of the tube dependent upon the operating rate of the machine.

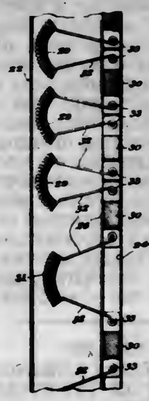
2,567,929
PROCESS FOR PRESERVING PLANT TISSUES
George R. Fessenden, Washington, D. C.
No Drawing. Application March 20, 1947, Serial No. 736,105
8 Claims. (Cl. 117—3)

2. A process for preserving plant tissues, comprising, immersing the tissues in a color stabilizing and preserving solution containing essentially a volatile water-dissolving monohydric alcohol, thiourea, a non-oxidizing acid selected from the group consisting of boric, phosphoric and arsenic acids, and hydroabietyl alcohol, said solution being adjusted with a metal salt selected from the group consisting of alkali metal and alkaline earth metal salts to a pH corresponding substantially to the pH of the liquid medium of the tissues in which the natural coloring matter is suspended, removing the tissues from the solution and permitting the volatile constituents retained in the tissues to evaporate, whereby the natural colors of the tissues are stabilized and their physical shapes are retained, then impregnating the tissues with a solution of a high melting waxy chlorinated hydrocarbon dissolved in a low boiling volatile organic solvent, permitting the solvent to evaporate, and applying to the impregnated tissues a substantially transparent moisture-resistant resinous coating.

2,567,930
PREPARATION OF EPOXY COMPOUNDS BY OXIDATION OF CIS-MONOOLEFINE COMPOUNDS
Thomas W. Findley and Daniel Swern, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 30, 1945, Serial No. 575,316
8 Claims. (Cl. 260—348.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising oxidizing oleic acid with peracetic acid dissolved in acetic acid at room temperature for about two hours, then mixing the reaction mixture with ice water, and then isolating the formed precipitate, which comprises mainly 9,10-epoxystearic acid, from the resulting aqueous solution.

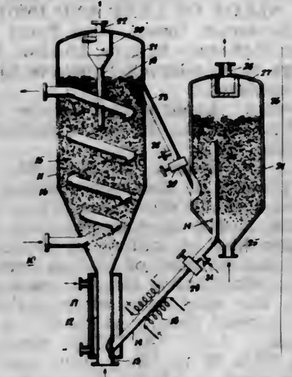
2,567,931
SASH BALANCE
Edwin E. Foster, Austin, Tex.
Application January 29, 1947, Serial No. 725,080
3 Claims. (Cl. 16—197)



1. A counterbalance device for a window and the like comprising a sheet metal casing secured in a window frame and having a guide portion and a flexible side portion adapted to contact the window, and a plurality of springs and links interconnected end to end in alternate relationship and mounted to slide in the guide portion, each spring having a spiral coil which is under coiled pre-tension and a straight end portion projecting from the spiral coil and connected to its respective link.

2,567,932
STAGEWISE PROCESS FOR THE HYDROGENATION OF CARBON MONOXIDE
Paul W. Garbo, Freeport, N. Y., and Earl W. Riblett, Tenafly, N. J., assignors to Hydrocarbon Research, Inc., New York, N. Y., a corporation of New Jersey
Application April 30, 1948, Serial No. 24,124
14 Claims. (Cl. 260—449.6)

1. In the catalytic synthesis of organic compounds of the class consisting of hydrocarbons and oxygenated hydrocarbons from a mixture of hydrogen and carbon monoxide, the steps which comprise passing a gaseous stream of hydrogen and carbon monoxide containing a solid particle, synthesis catalyst through a first reaction zone under reaction conditions including an elevated temperature and a short residence time of not more than about 1 second such that a major portion of the carbon monoxide fed to said first reaction zone is consumed by incomplete reaction with the hydrogen to generate methylene groups adsorbed on the surfaces of said catalyst without completely converting more than 10 percent of said carbon monoxide into said organic compounds during passage of said gaseous stream through said first reaction zone, passing said catalyst with adsorbed methylene groups and the gaseous stream issuing from said first reaction zone through a second reaction zone under reaction conditions including an elevated temperature considerably lower than the temperature in said first reaction zone and a residence time considerably longer than the residence time in said first reaction zone, which reaction conditions in said second reaction zone are substantially ineffective to synthesize said organic compounds directly from hydrogen and carbon monoxide but are effective to polymerize said methylene groups into said organic compounds, withdrawing said catalyst and a gaseous effluent from said second reaction zone, returning the withdrawn catalyst to said first reaction zone, and recovering said organic compounds from the withdrawn gaseous effluent.



2,567,933
LOCK NUT
Orrin D. Gray, Chicago, Ill.
Original application September 23, 1944, Serial No. 555,493. Divided and this application March 27, 1946, Serial No. 657,488
14 Claims. (Cl. 151—24)



14. For use with a threaded bolt, a coacting threaded nut formed with a collar having a portion movable inwardly and outwardly to and from the bolt for pressure engagement therewith, and a substantially circular ring of a diameter less than that of the nut so as not to project radially beyond the nut and surrounding the collar and interlocked inseparably with the nut for rotation therewith but not independently thereof, and in resilient pressure engagement with said bolt-engaging portion of the collar and effecting a nut-locking pressure engagement of

the same with the bolt for resisting rotation of the nut on the bolt, intervening spaces being provided between the collar and the ring at points spaced from the bolt-engaging portion of the collar and the ring being distortable inwardly into said intervening spaces solely by exteriorly applied compression to relieve the bolt of the nut-locking pressure of the bolt-engaging portion of the collar to permit facile rotation of the nut on the bolt.

2,567,934

PROCESS OF ELECTRODEPOSITING AN ALLOY OF LEAD AND INDIUM

David Frederick Green, Noel Percy Mallet, and James McKenzie Briscoe, London, England, assignors to Vandervell Products Limited, London, England

No Drawing. Application December 13, 1946, Serial No. 716,180. In Great Britain December 13, 1945

2 Claims. (Cl. 204—43)

1. A process of electro-depositing an alloy of lead and indium which comprises the steps of preparing a non-aqueous solution of about 20 grams per liter of indium as perchlorate and 1 to 12 grams per liter of lead as perchlorate dissolved in ethoxyethyl alcohol, passing a current through the electrodes while maintaining the cathode current density at about 7 to 10 amperes per square foot, the alloy electro-deposited ranging from 90 to 1% indium and the balance lead, the anode containing an alloy of lead and indium with slightly higher percentage of indium than in the deposit and maintaining the bath temperature from 60 to 80° C.

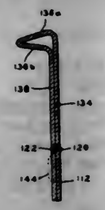
2,567,935

SELF-LOCKING NAIL

Robert Lay Hallock, Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union Township, N. J., a corporation of New Jersey

Application February 16, 1945, Serial No. 578,153

2 Claims. (Cl. 85—31)



1. A nail comprising a continuous strip of sheet metal bent to provide two substantially flat adjacent shanks, one of said shanks constituting a driving shank pointed at one end to penetrate material into which the nail is driven and the second shank constituting a holding shank, said driving shank extending beyond said holding shank at the head end of the nail, a collapsible head connecting the head ends of said shanks, said head being of loop-like form providing an upper striking portion joining the driving shank and a lower abutment portion joining the holding shank, said shanks being provided intermediate their ends with generally V-shaped tongues formed from material of the respective shanks and pointing toward the head end of the nail, the tongues being bent out of the planes of the respective shanks and the tongue on the holding shank being bent to engage the wall of the aperture created by bending the tongue of the driving shank out of the plane of the latter shank, whereby upon relative movement of the holding shank toward the head end of the nail when said head is collapsed the free end portion of the holding shank is caused to bend laterally away from said driving shank.

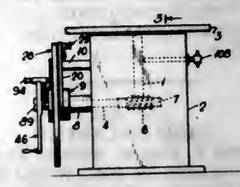
2,567,936

DIVIDING HEAD

James R. Hansen, Bremerton, Wash., assignor of one-half to Gustav Drews, Garden City, N. Y.

Application June 8, 1948, Serial No. 31,709

5 Claims. (Cl. 90—57)



1. In a dividing head for a machine shop tool, the combination of a control shaft operatively associated with the main shaft of the machine shop tool, a dividing disk rotatably mounted on said control shaft, a handle fixed to said control shaft, a device locking said disk against movement with said control shaft, said disk having a spiral row of pin receiving openings, a slide support extending transversely of, and fixed to, said handle and having an arcuate slideway of a predetermined curvature to either side of said handle, an arm adjustably mounted in either of said slideways to assume a predetermined angle with said support, a pin holder secured to the end of said arm, and a pin operatively mounted in said holder to enter any one of said openings.

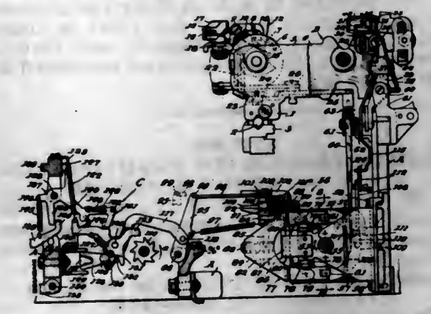
2,567,937

POWER-OPERATED CARRIAGE RETURN MECHANISM FOR TYPEWRITING AND LIKE MACHINES

Henry J. Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application April 16, 1948, Serial No. 21,476

23 Claims. (Cl. 197—66)



1. In a power operated typewriting or like machine, a frame; a carriage mounted for letter spacing and return travel on said frame; power driven mechanism including a member which rotates continuously when the machine is in operation; normally disabled driving connections interposed between said member and said carriage and being adapted to be enabled for transmitting returning drive from said member to said carriage; and manually controlled mechanism for enabling said driving connections including a power driven driver rotatable conjointly with said member, an interponent biased to move into engagement with said driver, a control element normally maintaining said interponent out of engagement with said driver, a key, means responsive to depression of said key for moving said control element to release said interponent and enable it to be moved by its bias into engagement with said driver, and means responsive to return movement of said key when said driver is not rotating for returning said interponent to its normal position, whereby if said key is depressed and then returned while said driver is not rotating said interponent will not be permitted to remain engaged with said driver.

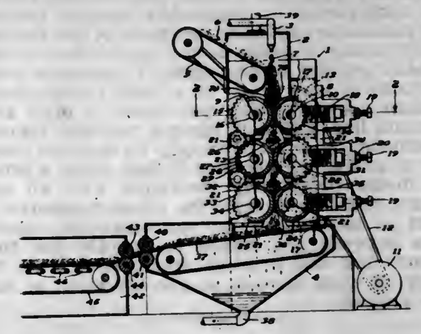
2,567,938

APPARATUS FOR DRY-CLEANING AND DEGREASING OF FIBROUS MATERIAL

Manfred T. Hoffman, Newburyport, Mass.

Application February 4, 1947, Serial No. 726,428

3 Claims. (Cl. 68—205)



1. An apparatus for cleaning fibrous material with a dry cleaning agent comprising two banks of spaced rotatable rolls having smooth and highly polished surfaces, the rolls forming one bank being adapted to engage cooperatively the rolls forming the other bank, a plurality of pairs of said cooperatively engaging rolls being arranged at different levels, said cooperatively engaging rolls being adapted to engage opposite surfaces of a layer of fibrous material and to advance the layer through the nips formed between cooperatively engaging rolls, each pair of cooperatively engaging rolls arranged at a relatively higher level being adapted to feed said layer directly into the nip formed between a pair of cooperatively engaging rolls arranged immediately below, a feeding device adapted to feed fibrous material to the nip formed between a pair of cooperatively engaging rolls arranged above the level of at least one other pair of cooperatively engaging rolls, a wetting device adapted to supply cleaning agent to the fibrous material prior to its passage through said nip, and operating means for the rolls of both banks comprising gear means for positively rotating each of the rolls constituting a pair of cooperatively engaging rolls at unequal surface speeds for exerting a rubbing action upon the layer of fibrous material arranged therebetween.

2,567,939

MEANS FOR DETECTING THE PRESENCE OF OBJECTS BY MEANS OF ELECTROMAGNETIC WAVES

Jean Jacques Hugon, Paris, France, assignor to Compagnie Generale De Telegraphie Sans Fil, a corporation of France
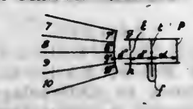
Application December 29, 1945, Serial No. 638,373

In France November 26, 1943

Section 1, Public Law 690, August 8, 1946

Patent expires November 26, 1963

12 Claims. (Cl. 343—10)



8. In a space distributor of ultra high frequency energy, a plurality of fixed distribution channels comprising hollow tubular wave guides arranged circularly around an axis, each comprising an entrance-opening facing said axis, a single hollow channel closed at one end and opened at its other end located in the plane of said plurality of channels and situated so as to revolve around this axis and to sweep with its opened end the entrance of said channels, means to supply this single channel with ultra high frequency energy and means to impress on it a continuous revolving movement.

2,567,940

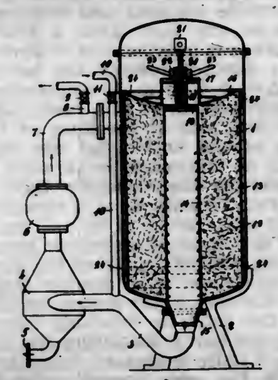
PROCESS FOR DRYING GRANULAR, THREAD, AND FIBROUS MATERIALS

Friedrich Wilhelm Johann Karrer and Harald Du Rietz, Stockholm, Sweden

Application September 20, 1947, Serial No. 775,350

In Sweden September 28, 1946

1 Claim. (Cl. 34—17)



In a method of drying a mass of wet material in a closed circulation system comprising a drying zone, a compressor, conduits for conducting a gaseous drying medium from the compressor to the drying zone and from the drying zone back to the compressor, and a liquid separation zone in the conduit in advance of the compressor, the improvement which comprises circulating a gaseous drying medium through the closed system and directly through the wet material in the drying zone to remove mechanically, in liquid form, a part of the liquid in the wet material, separating the liquid from the circulating gaseous medium in the liquid separation zone and removing the separated liquid from the closed system, and continuing the circulation of the drying medium through the closed system and

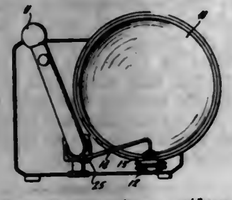
directly through the mass of material to be dried, the remaining portion of the liquid to be removed being converted into vapor by the heat added to the drying medium due to work done by the compressor acting to force the drying medium through the mass of material thereby vaporizing additional amounts of moisture from the material, and withdrawing the vaporized moisture from the closed system, said circulation of drying medium being continued until the drying process is substantially completed.

2,567,941

DEVICE FOR SHARPENING CUTLERY

Johan Fredrik Robert Karlström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of the Kingdom of Sweden

Application October 17, 1945, Serial No. 622,723
In Sweden October 24, 1944
11 Claims. (Cl. 51—241)



1. A device for sharpening cutlery, such as knives, for example, comprising a rotatable driving member, a driven roller which is adapted to frictionally cooperate with the driving member, grinding disc structure connected to the driven roller for rotation about its axis, said structure including a plurality of parts constructed to provide a relatively deep groove about the periphery thereof, the opposing faces of the groove containing abrasive material and forming an acute angle of such size that, when a knife or other piece of cutlery is inserted therebetween with the knife edge directed toward the bottom of the groove and such edge in its lengthwise direction is closely adjacent to or in a plane substantially normal to said axis at the apex of the groove, both sides of the knife edge are conveniently adapted to be subjected to abrasive action by the material at the opposing faces to effect sharpening of the knife edge, a separating member for said parts which is formed and arranged to prevent the opposing faces from being brought into abutting relation and keep the abrasive material at such faces from coming into intimate contact at the apex of the groove, an element upon which the roller is rotatably mounted, and means for resiliently mounting the element so that, when a knife is pressed downwardly in the groove with the edge thereof extending horizontally, the frictional engagement between the driving member and the roller is increased.

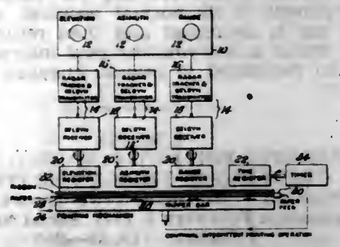
2,567,942

DIRECT ARITHMETICAL READING OF TARGET ANGLE VALUES

Sholom Kaas, Perth Amboy, and Jacob George Sperling, Asbury Park, N. J., assignor to the United States of America as represented by the Secretary of War

Application July 1, 1946, Serial No. 680,788
2 Claims. (Cl. 346—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A system for tracking aerial moving objects and arithmetically representing the components of direction and motion and time in the movement of a target object comprising a tracker system, a motion reproducing system operatively connected and synchronized with a tracker in the tracker system to reproduce angular movements of such tracker in azimuth and elevation, a printer accumulator counter operatively connected with said motion reproducing system constructed to register continually angular values of existing elevational positions of the tracker in fractions of a degree, a range registering means operatively connected to the said tracker system including a printer accumulator counter and operative to continually register on said counter the range of a tracked object in units of distance, and an accumulator counter operatively



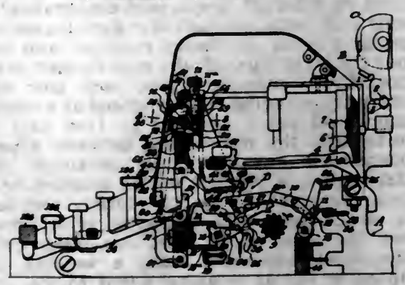
connected with said motion reproducing system and constructed to continually register existing and successive azimuthal positions of the tracker, a time printer register device constructed to continually register current time in successive small fractions of time units, all of said printer-accumulator counters being positioned to print at a common line, means to operate the time register intermittently and continually at uniform intervals of said small fractions of time units, a printing device operatively associated with all said printer counters to print the values registered on them all simultaneously, and operative connections between the means to operate the time register and said printing device, to operate the latter on each interval in the operation of said time register.

2,567,943

MECHANISM FOR VARYING THE TENSION OF NORMALIZING SPRINGS OF TYPEWRITERS OR LIKE MACHINES

John F. Kloski, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application August 16, 1949, Serial No. 110,534
15 Claims. (Cl. 197—33)



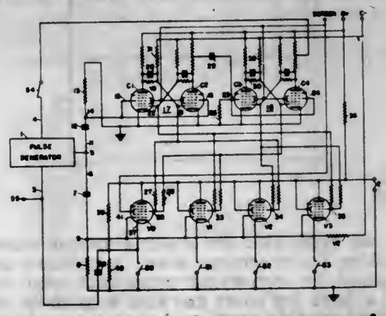
13. In a power operated typewriter or like machine, a power driven member; instrumentalities to be operated by said member; actuators respectively connected to said instrumentalities; a spring anchor; a set of normalizing springs connected to said anchor and respectively connected to said actuators for yieldably holding said actuators disconnected from said member; key levers; intermediate levers respectively interposed between said key levers and said actuators and being responsive to key lever depression for moving said actuators selectively against the urge of the associated normalizing springs into engagement with said member; a second spring anchor; a set of normalizing springs connected to said second spring anchor and respectively connected to said key levers; a third spring anchor; a set of normalizing springs connected to said third spring anchor and respectively connected to said intermediate levers; means mounting one of said anchors pivotally to rock about an axis offset from the points of connection of the associated springs thereto; and manually operable means for rocking the pivotally mounted anchor to vary the normal tensioning of the springs connected thereto.

2,567,944

PULSE GROUP SELECTOR

Ernst H. Krause, Cheverly, Md., and Claud E. Cleeton, Washington, D. C.

Application June 28, 1945, Serial No. 602,149
7 Claims. (Cl. 177—380)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A means for producing a group of pulses wherein the number and relative time occurrence of the pulse signals in said group are selectively determined, comprising a plurality of the scale-of-two type counter stages connected in cascade so as to form a counter circuit the cycle of operation of which comprises a plurality of different potential states, a plurality of vacuum tubes, said counter circuit associated with each of said tubes in such a manner as to render a different one of said tubes operative for the duration of each of said potential states as said counter circuit passes through a cycle of operation, a pulse generator, means connecting the output of said pulse generator to said counter circuit, means also connecting the output of said pulse generator to said vacuum tubes in parallel, and separate means associated with each of said tubes and arranged to render any one or number of said tubes unresponsive to the action of said counter circuit whereby any one or number of pulse signals from said pulse generator may be suppressed from the output of said tubes.

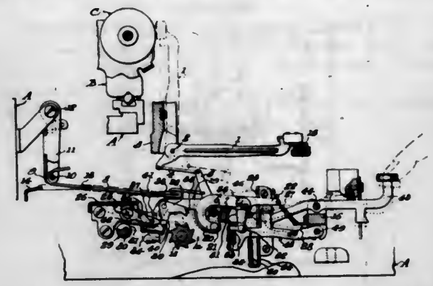
2,567,945

POWER OPERATING MECHANISM FOR TYPEWRITERS OR LIKE MACHINES

William H. Kupper, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application February 3, 1948, Serial No. 6,066
20 Claims. (Cl. 197—17)

1. In power operating mechanism for a typewriter or like machine, a driving member; an actuator; an interponent mounted on said actuator for movements into and out of operative engagement with said driving member and being biased to move into engagement therewith; a trigger normally maintaining said interponent disengaged from said driving member; a key; means responsive to depression of said key for



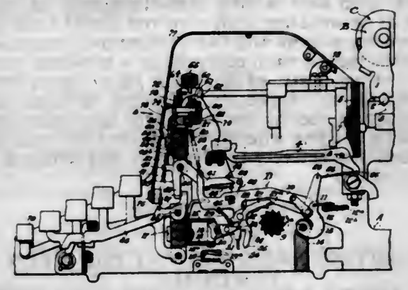
actuating said trigger to release said interponent and enable it to move into engagement with said driving member; and trigger re-setting means effective upon return movement of said key when said driving member is stationary for moving said trigger reversely to its releasing movement and thereby disengaging said interponent from said driving member.

2,567,946

MECHANISM FOR VARYING THE TENSION OF NORMALIZING SPRINGS OF TYPEWRITERS OR LIKE MACHINES

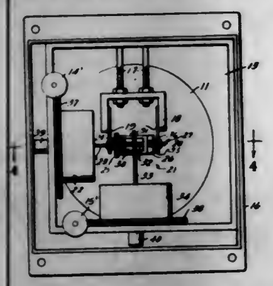
William H. Kupper, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York

Application January 9, 1950, Serial No. 137,558
14 Claims. (Cl. 197—33)



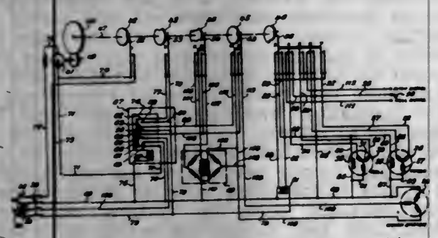
1. In a typewriter or like machine, a frame; instrumentalities to be operated; means for operating said instrumentalities including a plurality of mechanisms each comprising a finger-operable key member; a spring anchor plate; means mounting said plate on said frame for shifting movement towards and away from elements of said mechanisms; a plurality of preloaded normalizing springs anchored to said anchor plate and being connected respectively to said mechanism elements for urging said key members to normal, inactive positions; two levers mounted in mutually spaced relation on said frame and having portions operatively connected to said anchor plate; a worm wheel; a manually operable worm for turning said worm wheel; and link means connecting said worm wheel to said levers for rocking said levers in unison to shift said anchor plate on said frame to thereby vary the loading of said springs.

2,567,947
GLIDER POSITION INDICATING DEVICE
Guy W. Lai, Osborn, Ohio
Application September 24, 1946, Serial No. 699,069
4 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



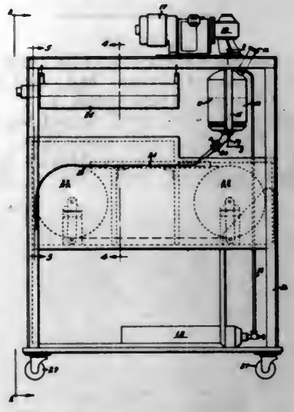
1. In a glider position indicating device, a vertical motion signal generating selsyn, a horizontal motion signal generating selsyn, linkage including an arm, arranged to actuate said selsyns, a tow rope extending between a towing airplane and a towed glider, said tow rope being arranged to actuate said arm, an indicator arranged to receive signals from said generating selsyns and to convert said signals into a single visual indication of the correctness of the towing channel being followed by the towed glider, said indicator comprising a vertical motion signal receiving selsyn and a horizontal motion signal receiving selsyn and a balanced pointer, a pair of gears, each having a face of over 180° arc, each gear being operatively connected to said pointer for converting the movement of the respective receiving selsyn to a single visual indication capable of showing deviations from a projected course said receiving selsyns each being arranged to act upon said pointer simultaneously to move same in accordance with received signal from the generating selsyns and two independent manually operable means each comprising a meshing worm and a worm gear, each of the latter operatively encircling its respective receiving selsyns, and constituting means for angularly displacing said receiving selsyns whereby to center the visual indication respectively in elevation and azimuth to zero position.

2,567,948
STARTING ARRANGEMENT FOR GYRO VERTICALS
Arthur W. Lane, Roosevelt, N. Y., assignor to The Sperry Corporation, Great Neck, N. Y., a corporation of Delaware
Application June 17, 1949, Serial No. 99,636
12 Claims. (Cl. 74—5.7)



1. In a gyro vertical having a rotor, rotor spinning means and an erecting device driven by said rotor of the character whose erection rate below normal operating speed is greater than it is at normal operating speed; a starting arrangement including means for operating said spinning means to start the rotor from a standstill condition, and means for rendering said operating means ineffective to permit said rotor to coast at a speed less than normal for a predetermined time interval.

2,567,949
APPARATUS FOR MAKING SPONGE RUBBER
Elisha B. Lewis, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application February 21, 1948, Serial No. 10,137
3 Claims. (Cl. 18—15)

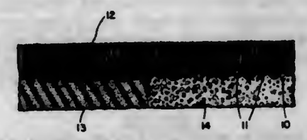


2. In an apparatus for making sponge rubber, a container for receiving latex; a primary conduit means for conveying latex into said container; a tank for inert gas and secondary conduit means leading from said tank into said first conduit means; a stirring device arranged in said container and operable to convert said latex into rubber foam; receiving means for the rubber foam formed in said container; means for dispensing said foam from said container and depositing it on said receiving means; and means for curing said foam, said means consisting of a plurality of infra-red lamps for initial curing and an oven for final curing of said foam.

2,567,950
SPONGE RUBBER COMPOSITION
William R. Stauffer, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
No Drawing. Application June 12, 1948, Serial No. 32,717
2 Claims. (Cl. 260—723)

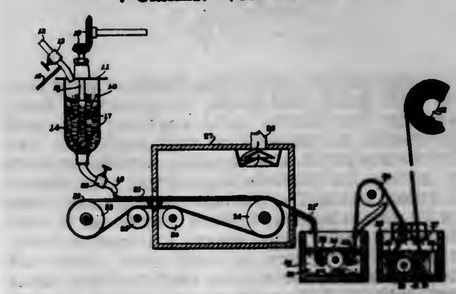
1. A composition for producing sponge rubber comprising an aqueous dispersion of a rubber selected from the group of natural rubber, polychloroprene latex, polyvinyl chloride latex, polybutadiene latices and mixtures thereof, a small amount of a vegetable oil as a plasticizer, from substantially 1 to 2.3 percent of a heat sensitizer selected from the group consisting of sodium silico fluoride and calcium formate, impregnated with nitrous oxide at a pressure of from 80 to 250 lbs., said composition being maintained at approximately 40 to 41° F. and having the property to expand upon release from a container into a rubber foam.

2,567,951
SPONGE RUBBER-TEXTILE COMBINATION MATERIAL
Elisha B. Lewis, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application April 7, 1948, Serial No. 19,568
3 Claims. (Cl. 154—49)



1. A combination material consisting of a textile layer and a fire resistant layer of vulcanized sponge rubber which contains sodium silicate, said textile material having a napped surface and said sponge rubber penetrating the interstices of said textile layer and firmly anchoring the threads of said nap.

2,567,952
METHOD OF MAKING SPONGE RUBBER
Elisha B. Lewis, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Application May 21, 1948, Serial No. 28,490
7 Claims. (Cl. 260—2.5)



1. In a process for manufacturing sponge rubber, the steps of (*a*) mixing a rubber latex having a concentration of approximately 50 percent with approximately 2.25 per cent by volume of a sodium silicate solution of 41° Bé. and a ratio of alkali to silica of 1 to 3.22, (*b*) introducing nitrous oxide gas under pressure while subjecting the mixture to high-speed agitation of up to 5,000 R. P. M. whereby a rubber foam is produced, and (*c*) curing said foam.

2,567,953
METHOD OF MAKING COMBINED SPONGE RUBBER-TEXTILE MATERIALS
Elisha B. Lewis, Dayton, Ohio, assignor to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
Original application April 7, 1948, Serial No. 19,568. Divided and this application November 15, 1949, Serial No. 127,560
9 Claims. (Cl. 154—139)



1. In a process for making combined sponge rubber-textile materials the steps of (*a*) mixing rubber latex with sodium silicate solution; (*b*) introducing nitrous oxide gas while subjecting the mixture to agitation whereby a rubber foam is produced; (*c*) depositing said rubber foam on the back of said textile material while in a fluid form; and (*d*) curing said foam thereon.

2,567,954
AIRCRAFT LAUNCHING APPARATUS
August George Liebmann, Washington, D. C., assignor of one-half to Harry A. Blessing, Washington, D. C.
Application December 1, 1947, Serial No. 789,078
14 Claims. (Cl. 244—63)



1. An aircraft launching apparatus, comprising a fixed railway in an airstrip runway; a locomobile adapted to the railway, provided with a means for conventional traction by frictional adhesion and a rack and pinion means to augment the traction; the dual means providing adequate and rapid travel of the locomobile upon the railway; a coupling beam mounted upon the locomobile, the said means adapted to engage a coupling lug upon an aircraft for its launching movement; an electro-pneumatic control means in cooperation with the locomobile and the aircraft, to actuate the launching movement, from within the aircraft; for the mean effective take-off of the aircraft from the runway; the take-off thereby actuating the coupling beam and the electro-pneumatic control means on the locomobile for the automatic stoppage of the locomobile upon the railway.

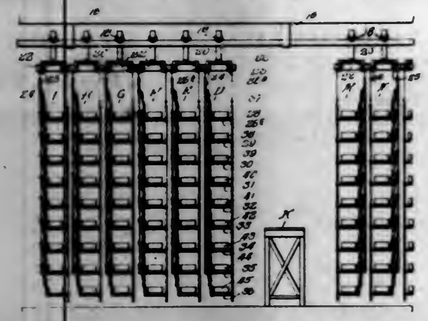
2,567,955
PREPARATION OF GUANIDINE THIOCYANATE
Nat H. Marsh, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 14, 1950, Serial No. 200,875
6 Claims. (Cl. 260—249.7)

1. The method of preparing guanidine thiocyanate comprising reacting carbon disulfide and ammonia in a closed reaction zone, at a temperature within the approximate range 185°–450° C.

2,567,956
HIGH-PRESSURE POLYMERIZATION OF PERHALOOLEFINS
William T. Miller, Ithaca, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application February 25, 1948, Serial No. 10,912
16 Claims. (Cl. 260—92.1)

1. A method of preparing a high molecular weight polymer of a compound of 2 to 4 carbon atoms selected from the group consisting of olefinic compounds of carbon and fluorine and olefinic compounds of carbon, fluorine and chlorine which comprises subjecting said compound to a pressure in the range of 10,000 to 20,000 kilograms per square centimeter.

2,567,957
CHEESE HANDLING APPARATUS
Raymond Miollis, Maywood, Ill., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application October 20, 1945, Serial No. 623,477
8 Claims. (Cl. 31—49)



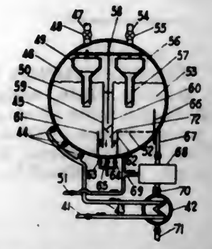
1. Cheese handling apparatus of the character described, including: a plurality of vertically spaced carrying members adapted to have cheeses placed thereon, each carrying member having a portion thereof movable with respect to another portion of said member to invert a cheese placed on said carrying member, and each carrying member being at least as wide and as long as the cheese carried thereby; and two elongated horizontally spaced vertically extending movable supporting devices having the ends of the carrying members attached thereto intermediate the ends thereof with said members extending therebetween, at least one of said supporting devices being vertically movable for simultaneously moving the entire vertical row of carrying members and inverting the cheeses thereon.

2,567,958
ELEVATED TANK
John F. Mummert, Birmingham, Ala., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application January 19, 1946, Serial No. 642,336
3 Claims. (Cl. 220—1)



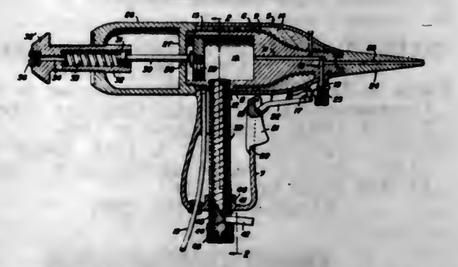
1. An elevated liquid storage tank comprising a storage portion, a substantially centrally located riser pipe serving to support the entire weight of storage portion above the ground, said riser pipe being incapable of supporting the storage portion against any substantial sideways movement, and a bracing means located around the tank and resting on the ground, said bracing means being adapted to support the storage portion against substantial sideways movement and including a plurality of columns, a plurality of substantially horizontal bar members each rotatably attached to a column and to the storage portion, a plurality of spaced collars surrounding the riser pipe and closely adjacent thereto, and a plurality of struts with each strut having one end rotatably connected to a column and having the other end rotatably connected to said collars.

2,567,959
FLUIDIZED BED EVAPORATOR AND METHOD
John C. Munday, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application January 28, 1944, Serial No. 520,009
4 Claims. (Cl. 159—4)



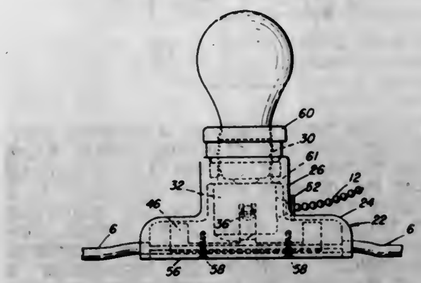
1. Apparatus for contacting fluidized solid particles with fluids and gases, comprising a shell, means for introducing solid particles into said shell, means for separating said shell into two zones, means for fluidizing solid particles in each zone, means for introducing a fluid into one of said zones, means for introducing a gas into the other of said zones, a vertical standpipe in said shell between said zones, means for passing fluidized solids from each of said zones into said standpipe, means for mixing said fluidized solids passed into said standpipe and means for returning a portion of said mixed fluidized particles into each of said zones.

2,567,960
PLASTIC EXTRUSION GUN
William R. Myers, Charleston, and Albert S. Tennant, South Charleston, W. Va.
Application October 3, 1949, Serial No. 119,232
5 Claims. (Cl. 18—3.5)



1. A plastic extrusion gun comprising a body portion provided with a depending hollow handle and formed with a cylindrical heating chamber and a front restricted outlet passage, heating means for melting plastic material in said heating chamber, a magazine for plastic material mounted in the handle and communicating at its upper end with said heating chamber, mechanical feeding means in the magazine to feed plastic material upwardly from the magazine into said heating chamber, a piston in the heating chamber, power means to project the piston for forcing molten plastic material from said heating chamber through said outlet passage, manually operable means to retract said piston, a spring-closed valve for controlling flow of molten material through said outlet passage, and a trigger carried by the handle and operatively connected to said valve.

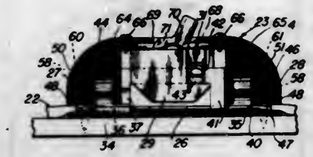
2,567,961
ELECTRICAL RECEPTACLE
Joseph F. O'Brien, Lebanon, John B. Cataldo, Annandale, and Kenneth E. Vroom, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 27, 1948, Serial No. 62,382
3 Claims. (Cl. 200—51.15)



1. A lamp holder comprising, a casing of insulating material having a relatively flat base portion and an integral cylindrical portion centrally positioned and projecting transversely of said base portion, said base portion having recesses at opposite ends thereof which are adapted to have a pair of parallel electrical conductors pass therethrough, a switch assembly positioned in said cylindrical portion, said switch assembly having a shell with external threads and having two electrical terminals, a pair of connector clips electrically connected respectively to said terminals of said switch assembly and having conductor-receiving channels positioned in alignment with the respective recesses for the conductors, said casing having an internal flange, and a ring of insulating material threaded onto the external threads of the shell of said switch assembly and holding said switch assembly against said internal flange.

2,567,962
SWITCH UNIT
Joseph F. O'Brien, Lebanon, John B. Cataldo, Bernardsville, and Kenneth E. Vroom, Summit, N. J., assignors to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application December 9, 1948, Serial No. 64,362
4 Claims. (Cl. 200—51)

1. A switch unit for controlling a closed circuit including the conductors of a conductor strip, said unit comprising: a housing of insulating material for substantially completely enclosing a section of the conductor strip; a tumbler switch of the insulation-enclosed type within said housing having binding elements on opposite sides thereof; an electrical connector within said housing for spring engagement with a bared end of one strip conductor from which a section has been cut away and fixed to one binding element of said switch; and a second electrical connector within said housing for spring engagement with the other end of the strip conductor from which the section has been cut away and fixed to the other binding element of said switch, said second electrical connector being turned transversely of



the direction in which the strip conductors extend to cross the interior of said housing and reach the other binding element of said switch to which it is fixed; whereby said switch will control the closed circuit including the strip conductors and whereby all connections between the conductor strip and said switch will be protected by said housing.

2,567,963
YELLOW PRINTING INK
Frederick E. Petke, Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1948, Serial No. 59,781
9 Claims. (Cl. 106—22)

1. A yellow printing ink comprising an organic solvent, a resinous binder substantially soluble in said solvent, and a yellow pigment consisting essentially of a water insoluble salt consisting of the anion of tartrazine, Colour Index No. 640, and an organic ammonium cation containing 14 to 35 carbon atoms.

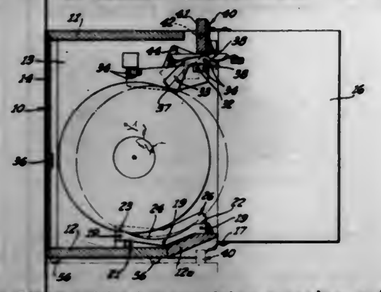
2,567,964
RED PRINTING INK
Frederick E. Petke, Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1948, Serial No. 59,782
9 Claims. (Cl. 106—22)

1. A red printing ink comprising an organic solvent, a resinous binder substantially soluble in said solvent, and a red pigment consisting essentially of a water insoluble salt consisting of the anion of phloxine B, Colour Index No. 778, and an organic ammonium cation containing 14 to 35 carbon atoms.

2,567,965
BLUE PRINTING INK
Frederick E. Petke, Cincinnati, Ohio, assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 12, 1948, Serial No. 59,783
9 Claims. (Cl. 106—22)

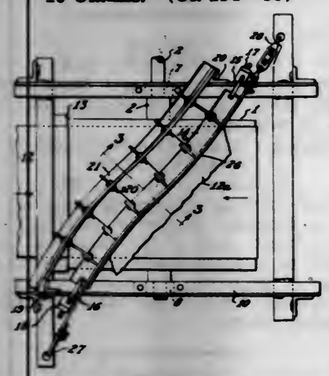
1. A blue printing ink comprising an organic solvent, a resinous binder substantially soluble in said solvent, and a blue pigment consisting essentially of a water insoluble salt consisting of the anion of erioglaucine A, Colour Index No. 671, and an organic ammonium cation containing 14 to 35 carbon atoms.

2,567,966
PHONOGRAPH RECORD CABINET
Lee J. Purcell, Los Angeles, Calif., assignor to Development Corporation of America, Los Angeles, Calif., a corporation of California
Application September 11, 1946, Serial No. 696,230
15 Claims. (Cl. 312—17)



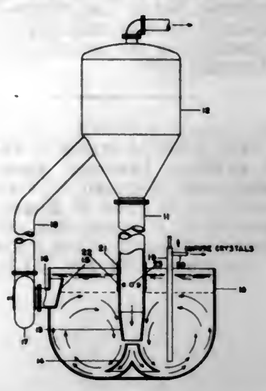
1. A filing cabinet comprising a casing, a track for a phonograph record extending inwardly from the front of said casing, said track being adapted to support the lower edge of a record and including an outer receiving portion, an intermediate delivery portion lower than said receiving portion, an inner storage portion higher than said delivery portion, and releasable means to hold a record on said storage portion, characterized in that said outer receiving portion is sufficiently above said delivery portion that a record rolling therefrom onto said delivery portion passes onto said storage portion under its own momentum.

2,567,967
DIAGONAL CREPING METHOD AND APPARATUS
William Wallace Rowe, Cincinnati, Ohio, assignor to Cincinnati Industries, Inc., Lockland, Ohio, a corporation of Ohio
Application February 24, 1949, Serial No. 78,198
19 Claims. (Cl. 154—30)



7. In a creping apparatus the combination of a creping cylinder, a band knife disposed substantially helically across the face of the cylinder, means for supporting the knife against rearward thrust, and tensioned means for holding the leading edge of the knife against the surface of the cylinder under pressure, said last mentioned means including a strand-like element engaging the knife adjacent its leading edge and hence following a curved path, and means for applying endwise tension to said strand-like element, said means for supporting the knife against rearward thrust comprising means for tilting the rearward edge of the knife away from the surface of the cylinder.

2,567,968
CRYSTALLIZATION
Walter C. Saeman, Florence, Ala., assignor to the United States of America as represented by the Tennessee Valley Authority
Application May 1, 1948, Serial No. 24,635
6 Claims. (Cl. 23—302)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

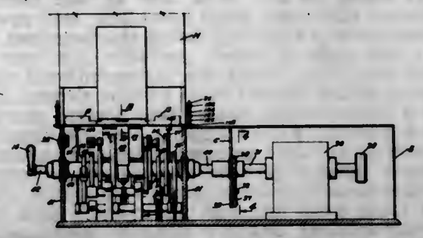


1. A process for crystallizing a material characterized by rapid rate of crystal growth which comprises withdrawing solution of such material from the top of such solution contained in a crystallizing vessel; circulating the withdrawn solution through an evaporator; therein concentrating the solution to a selected degree of supersaturation; continuously introducing a stream of the resulting supersaturated solution into a lower part of said crystallizing vessel containing a suspension of crystals of said material in supersaturated solution thereof; directing said stream and controlling its velocity to maintain two zones in the resulting rising suspension of crystals, namely, a lower zone of crystal growth wherein a suspension of relatively coarser growing crystals is maintained in continuous rapid, substantially vertical streamlined rotation by kinetic energy imparted by said stream, and an upper, relatively quiescent zone containing a suspension of finer crystals; transferring fine crystals from said lower zone to said upper zone by upward flow of solution; continuously introducing a controlled stream of supersaturated solution of said material into said upper zone; therein contacting said fine crystals with resulting supersaturated solution of said material of a controlled degree of supersaturation until their size is substantially increased; introducing the resulting crystals of increased size into said lower zone as seed crystals; and withdrawing strong mature crystals from a lower portion of said lower zone.

2,567,969
MARKING APPARATUS
Myron Charles Salit, Denver, Colo., and Earl J. Kofford, Los Angeles, Calif.
Application April 11, 1946, Serial No. 661,398
2 Claims. (Cl. 93—88)

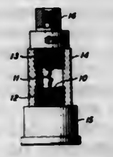
1. An apparatus of the class described having a base portion supporting a main housing and an auxiliary housing, the top surface of said base portion providing a working space for articles to be marked with indicia, a tape feed roll located within the base portion below the main housing, tape feeding mechanism within the base portion

for supplying a piece of tape to the working space, a plurality of type wheels having peripherally arranged type located within the auxiliary housing above said working space, indicia printing mechanism disposed within the base portion below the type wheels and comprising an inking and stamping block having disposed in its opposite sides and inking pad and a stamping pad, associated driving and driven shafts and intermittent gear means cooperating therewith for shifting the inking pad and the stamping pad alternately into engagement with the pre-located type wheel indicia and the piece of tape whereby



to cause said tape to be imprinted, type selector mechanism located within the main housing and operatively connected with the type wheels disposed within the auxiliary housing, said type selector mechanism including finger pieces disposed exteriorally of the main housing for easy access by an operator, a stapling mechanism also disposed within the base portion of the apparatus for applying the pre-selected and marked piece of tape to the article, and a pair of movable guard members disposed at opposite sides of the auxiliary housing and adjacent the working space for normally preventing an article to be marked from reaching the printing mechanism.

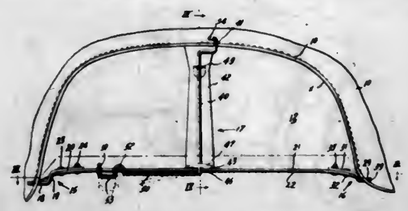
2,567,970
SEMICONDUCTOR COMPRISING SILICON AND METHOD OF MAKING IT
Jack H. Scaff, Summit, N. J., and Henry C. Theuerer, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 24, 1947, Serial No. 793,744
22 Claims. (Cl. 175—366)



4. The method of making a body of semiconductive material having a zone of p-type rectifying material, a zone of n-type rectifying material and an intermediate barrier layer of photovoltaic material that comprises melting high purity silicon with very small amounts of both boron and phosphorus, and cooling the melt progressively so that the impurities segregate at different rates to form the p-type zone in which the boron predominates, the n-type zone in which the phosphorus predominates and the intermediate photovoltaic layer in which the boron and phosphorus are present in electrically equivalent amounts.

15. A rectifier comprising a body of an alloy of phosphorous, boron and silicon containing up to .01 per cent phosphorus and up to .01 per cent boron.

2,567,971
FENDER SHIELD MOUNTING
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 2, 1947, Serial No. 738,895
15 Claims. (Cl. 280—153)



1. In combination in a fender shield assembly for use with a fender having a wheel access opening and the fender shield being adapted to close said opening, a fender shield panel, respective substantially fixedly mounted attaching structures on the fender shield panel to join the ends of the fender shield assembly with the fender and comprising respective pins extending endwise fixedly to predetermined limits beyond the fender shield panel, one of said pins being longer than the other pin and being adapted to be assembled with supporting means located on the fender at the adjacent side of the wheel access opening in alignment with said one pin as the first step in assembling the fender shield with the fender whereafter the remaining pin is adapted to be assembled with receiving means therefor on the fender at the remaining side of the wheel access opening.

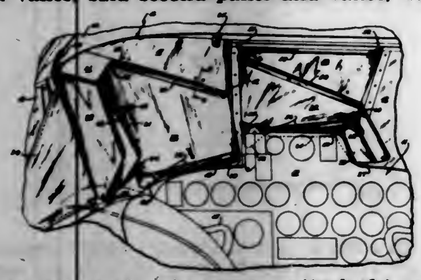
2,567,972
METHOD OF MAKING ALUMINUM-CONTAINING HYDRIDES
Hermann I. Schlesinger and Albert E. Finholt, Chicago, Ill.
No Drawing. Application December 19, 1946, Serial No. 717,312
23 Claims. (Cl. 23—14)

1. The method of making a member of the class consisting of an ether complex of aluminum hydride and a member of the class consisting of alkali metal and alkaline earth metal aluminum hydrides, which comprises reacting an aluminum halide with a member of the class consisting of alkali metal and alkaline earth metal hydrides in the presence of an aliphatic ether.

2,567,973
EQUIPMENT FOR INSTRUCTION IN INSTRUMENT FLYING
Clarence E. Schwaneke, United States Marine Corps
Application May 6, 1946, Serial No. 667,550
6 Claims. (Cl. 244—121)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

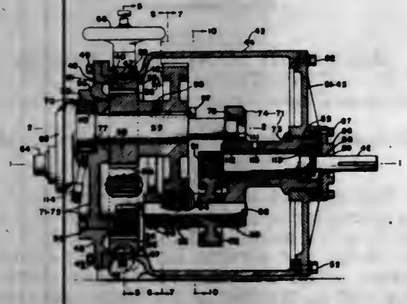
1. Apparatus of the character disclosed for instruction in instrument flying for use on aircraft having student and instructor seats therein and having a windshield, in combination, panel means comprising first and second panels operatively connected together and adapted to be disposed over a portion of the windshield, fastener means secured to the first panel and adapted to be attached to the wall of said aircraft to hold said first panel securely in place upon said wall, said second panel having secured thereto means

forming a pair of substantially parallel vanes, a support member secured to said second panel, additional fastener means secured to said support member and adapted to be attached to said wall to hold said support member securely in place, said second panel being much wider than said vanes, said second panel and vanes, while



the second panel and vanes are attached to said wall, being disposed in predetermined positions whereby the view of a student seated in the student seat is substantially completely obstructed through a large portion of said windshield while the view through said portion of an instructor seated in the instructor's seat is substantially unimpeded.

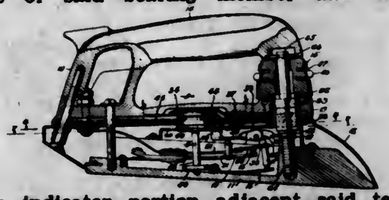
2,567,974
POWER TRANSMISSION AND STROKE ADJUSTOR MECHANISM
Charles H. Scott, Summit, N. J., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware
Application March 2, 1946, Serial No. 651,454
8 Claims. (Cl. 74—600)



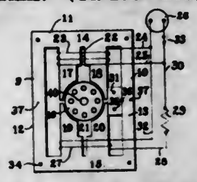
1. A power transmission mechanism of the class described, comprising in operative combination a main structure embodying a front portion providing a stationary hollow circular main bearing element the axial center of which extends longitudinally and thereby determines the location of a main axial line; an internally-toothed annular gear mounted on said main structure so as to be concentric with said main axial line and also at a location rearwardly with respect to said hollow circular main bearing element; means for holding said annular gear in angularly adjusted position therefor with respect to said main structure; a shaft carrier turnably mounted and supported with respect to said structure and having a forwardly extending portion serving as turnable circular main bearing element that is operatively disposed within said stationary hollow main bearing element of the main structure; means for imparting turning movement to said shaft carrier about said main axial line; a longitudinally-extending crankshaft turnably mounted in and with respect to said carrier and in a position laterally offset with respect to said main axial line; a crank having a body portion carried by and extending laterally from the front end of said shaft and having a crank pin extending longitudinally and forwardly from the free end of said body portion; a pinion carried by and drivingly connected to said crankshaft and rearwardly disposed with respect to said hollow main bearing element and also located in a position such that the teeth of the pinion have constant operative engagement with the internal teeth of the aforementioned annular gear whereby there is imparted turning movement to said crankshaft about its own axial line as said carrier is turned about said main axial line; said power transmission mechanism being characterized in that the main structure embodies not only a front portion providing the aforementioned stationary hollow circular main bearing element but also a longitudinally spaced rear portion providing a stationary rear circular bearing element concentric with said main axial line and an intermediate portion providing a stationary intermediate circular bearing element concentric with said main axial line and upon which said internally-toothed annular gear is positionably mounted; said transmission being characterized by the turnable carrier for the crankshaft being in the form of a cage construction embodying a transversely-extending forward end cage member, a transversely-extending rear end cage member longitudinally spaced from the aforementioned transversely-extending forward end cage member, and longitudinally-extending means integrally connecting the aforementioned transversely-extending forward end and rear end cage members and of which last-mentioned members the transversely-extending front end cage member provides the previously mentioned forwardly-extending portion serving as the turnable front bearing element mounted in and on the front stationary hollow circular bearing element and of which the transversely-extending rear end cage member has a rearwardly disposed circular portion providing a rear supported bearing element turnably mounted on the aforementioned rear stationary circular main bearing element; and also further characterized by the transversely-extending front cage member and the transversely-extending rear cage member of the turnably mounted shaft carrier having shaft supporting bearing portions respectively providing a front end bearing element and a rear end bearing element for the crankshaft of which the front end bearing element is essentially of a character through which the crankshaft extends and within which it is located while the rear end of the crankshaft has guiding and steadying support because of the cooperating rear supporting bearing portion provided on the rear transversely-extending cage member.

2,567,975
ELECTRIC IRON
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application May 4, 1945, Serial No. 591,911
4 Claims. (Cl. 38—74)

1. In an electric iron including an electric heating element, temperature indicating means including a bimetal thermostat adjacent said heating element to receive heat therefrom, a post rotatably mounted in said iron, means operatively connecting said thermostat and post so that movement of the thermostat due to temperature changes in the iron causes rotation of said post, a hollow bearing member of substantially circular cross-section adjacent the end of said post that is opposite the heating element, said bearing member being substantially concentric with said post, a temperature indicator member mounted on said post for rotation therewith having a fastening portion within said hollow bearing member, a second indicator member having a portion rotatably mounted on the outer surface of said bearing member and having an indicator portion adjacent said temperature indicator member, an adjustable second bimetal thermostat adjacent said heating element for controlling the flow of electricity to said heating element, and means for simultaneously adjusting said second bimetal thermostat and operating said second indicator member to indicate the operating conditions of the iron, said temperature indicator member and second indicator member being synchronized to indicate the operating conditions of the iron at any given time.



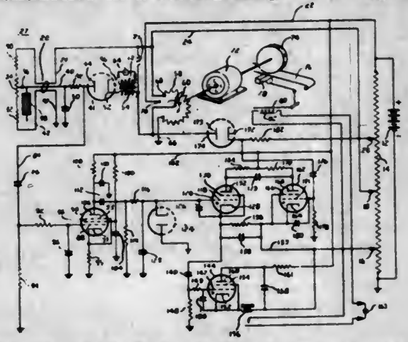
2,567,976
INDUCTION MOTOR AND METHOD OF OPERATION
Arthur E. Spinasse and William H. Pumphrey, Sr., Mount Vernon, Ohio; Herman Cornell administrator of said Arthur E. Spinasse, deceased
Application August 27, 1945, Serial No. 612,804
9 Claims. (Cl. 172—278)



1. An alternating current induction motor, comprising a rotor, a stator core having leg members and two opposite pole pieces each divided into two spaced pole sections, said pole pieces having each a primary winding means wound thereon and connected to produce opposing fluxes, phase-splitting means in circuit with at least one of said winding means, and a flux-shifting magnetic shunt member extending between each pole section of the same pole piece and at least one leg each of said core and adapted to cause said pole pieces to produce a rotary magnetic field threading said core and rotor when said winding means are excited by alternating current.

2,567,977
ELECTRIC TRIP CIRCUIT
Ralph E. Sturm, Pikesville, and James R. Cosby, Towson, Md., assignors to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware
Original application August 24, 1946, Serial No. 692,892. Divided and this application October 21, 1947, Serial No. 781,228
5 Claims. (Cl. 250—27)

1. In combination with electric trip apparatus sensitive to the polarity of electric pulses applied thereto having trip and restoring terminals and an input terminal, a source of voltage varying in magnitude through a predetermined range connected to said input terminal; means including a first unilaterally conductive impedance connected between said input terminal and said trip terminal for transmitting an electric pulse to said trip terminal, said first impedance being conductive in a first range of voltage of said source and non-conductive in a second range of voltage of



said source higher than said first range; means including a second unilaterally conductive impedance connected between said input terminal and said restoring terminal for transmitting an electric pulse to said restoring terminal, said second impedance being conductive in said second range of voltage of said source; and means for impressing a steady bias voltage on said second impedance, said bias voltage being higher than said first range of voltage of said source.

2,567,978
METHOD OF PREPARING PLASTIC MOLDING COMPOSITIONS
Philander B. Taylor, Larchmont, N. Y., assignor to Cosmos Dental Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1947, Serial No. 766,478
1 Claim. (Cl. 260—34.2)

The method of accelerating the time required for transforming, at an ambient temperature of approximately 70° F. and at atmospheric pressure, a resinous copolymer in powdered form to an elastomeric condition, said method consisting in plasticizing a resinous copolymer consisting of approximately 90% vinyl chloride and 10% vinyl acetate with a plasticizing liquid containing a plasticizer for the resinous copolymer dissolved in an organic liquid modifying agent which is compatible with the plasticizer, has a substantially higher vapor pressure than the plasticizer and is capable of softening, swelling or dissolving the resinous copolymer, in the ratio of 5½ grams of copolymer to from 10 to 12 cc. of plasticizing liquid and increasing the proportion of the liquid modifying agent to the plasticizer in the plasticizing liquid as it is desired to accelerate the time for transforming the resinous copolymer to the elastomeric condition.

2,567,979
DENTAL IMPRESSION COMPOSITIONS
Philander B. Taylor, Larchmont, N. Y., assignor to Cosmos Dental Products, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1947, Serial No. 766,479
6 Claims. (Cl. 260—31.2)

1. A dental impression material formed by thoroughly mixing together at room temperature,

at the time of need for said material, a powdered vinyl chloride-vinyl acetate copolymer containing between 86% and 95% vinyl chloride and 14% to 5% vinyl acetate and a plasticizing liquid containing between 20% and 60% of dibutyl phthalate and 80% to 40% of an organic liquid modifying agent capable of promoting the action of the plasticizer on the copolymer to cause said resultant material to attain an elastomeric state within a practicable working time range, said modifying agent comprising carbon tetrachloride and at least one of the solvents selected from the group consisting of acetone, ethyl acetate and chloroform, the copolymer and the plasticizing liquid being used in the ratio of approximately 6 grams of copolymer to 10 cc. of liquid.

2,567,980

DRYING WET WHEAT GLUTEN

Justin M. Tuomy, Madison, Wis., and Richard L. Slotter, Minneapolis, Minn., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application January 25, 1949, Serial No. 72,736
8 Claims. (Cl. 34—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

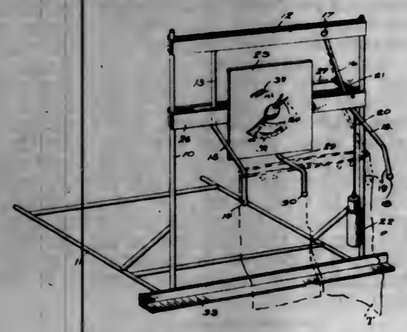
1. Process which comprises mixing wet wheat gluten having a moisture content of between 65 and 70 percent with ethanol in the ratio of about 100 g. of wet gluten to 118 cc. of about 95 percent ethanol agitating the mixture until a homogeneous slurry is obtained, spreading the slurry in a thin layer upon a surface heated to a temperature within the range of 150° to 170° C., allowing the slurry to dry by contact with the heated surface and removing the dried gluten from the heated surface, the drying time on the heated surface being no more than about ten seconds.

2,567,981

MEASURING DEVICE

George W. Weego, Clemson, S. C.

Application February 25, 1947, Serial No. 730,674
5 Claims. (Cl. 33—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



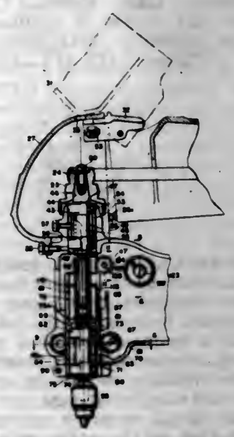
1. A machine for measuring the width of garments such as the collar width of a shirt and the waistband width of trousers, comprising an upright frame, a fixed finger supported by and downwardly extending from the top portion of said frame, a first movable finger supported by and downwardly extending from the top portion of said frame, a second fixed finger supported by and downwardly extending from the top portion of said frame, each of said fingers having a lower free end insertable into said garments, means for positively urging said movable finger away from said fixed fingers to distend said garments linearly when suspended by the free ends of said fingers, and indicator means actuated by said movable finger for indicating the distance between the free ends of said movable finger and of either fixed finger at the point of maximum distension of the thus suspended garments, said indicator means comprising a single pivoted pointer, means for linking said pointer with said movable finger, a first scale cooperating with said pointer, said first scale being graduated in shirt collar width units, said shirt collar width units on said scale corresponding to twice the actual distance between the free ends of said second fixed finger and said movable finger when a shirt collar is linearly distended therebetween, and a second scale cooperating with said pointer, said second scale being graduated in trouser width units, said trouser width units corresponding to twice the distance between the free ends of said first fixed finger and said movable finger when a trouser waistband is linearly distended therebetween.

2,567,982

MACHINE TOOL

Christy A. Wiken, Milwaukee, Wis., assignor, by mesne assignments, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 13, 1945, Serial No. 588,081
3 Claims. (Cl. 77—5)



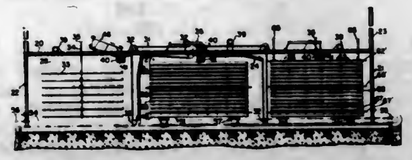
1. In a drill press, a frame; a pulley spindle journalled solely in said frame for rotation; a hollow quill mounted in said frame for axial sliding movement with respect to said pulley spindle; means holding said quill against rotation; a chuck spindle having axially spaced bearing means adjacent its ends journalling it for rotation in said quill in axial spaced alignment with said pulley spindle; means for rotating said pulley spindle at high speed; means for moving said quill axially within said frame; and a semi-floating lightweight drive member connecting the adjacent ends of said spindles to drive said second spindle from said first spindle irrespective of their axial spacing, said member having an axial sliding engagement with said pulley spindle and a floating driving connection with said chuck spindle.

2,567,983

METHOD OF DRYING LUMBER

Harold P. Wood, North Berwick, Maine, assignor to Wood Electro Process Company, South Berwick, Maine, a corporation of Maine

Application December 19, 1946, Serial No. 717,207
5 Claims. (Cl. 34—1)



1. The method of drying green lumber in a large mass in successive stages which include gas drying and high frequency energy drying stages comprising the steps of subjecting the mass, while stationary and commencing while the lumber is in its initially green condition, to a current of gas of high temperature but less than 225° F. for a plurality of units of time in which each unit of time is equal to the time of the high frequency energy drying stage to reduce the moisture content of the wood by means of the heat applied over said plurality of units of time to less than fifty percent and to cause the lumber to be progressively drier outwardly from the interior to the surfaces thereof, the total time of all of said plurality of units of time being approximately equal to

$$\frac{x-1}{x}$$

of the total drying cycle where x equals the total number of units of time used in the gas drying stage plus the one unit of the high frequency drying stage, and then subjecting the mass while stationary and while the lumber is in the condition resulting from the drying performed in the preceding gas drying stages to high frequency energy in which the amount of high frequency energy applied is sufficient to boil the liquid in the interior of the individual pieces of the lumber at a rate which will cause the steam so generated to flow outwardly without damage to the lumber through the previously dried outer portions of said lumber, and simultaneously passing a current of heated gas over the individual surfaces of the pieces of lumber in said mass at a temperature less than that of said lumber thereby to prevent excessive heating of the surfaces of the lumber, the length of the period of the high frequency stage of drying being one time unit and equal to

$$\frac{1}{x}$$

of the total drying cycle and then allowing any remaining surface moisture to evaporate after discontinuance of said high frequency energy.

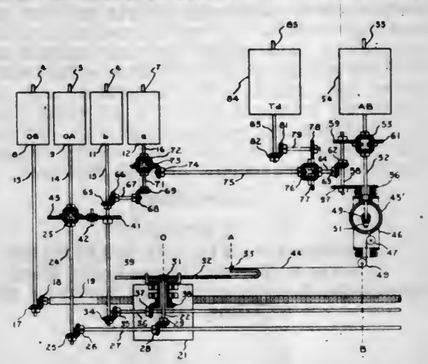
2,567,984

APPARATUS FOR SHIPBOARD WIND MEASUREMENT

Louvan E. Wood, Glen Arm, Md., assignor to Bendix Aviation Corporation, Baltimore, Md., a corporation of Delaware

Application August 10, 1949, Serial No. 109,518
7 Claims. (Cl. 235—61)

6. In apparatus for indicating the true speed and direction of wind aboard moving ships at sea; in combination, first, second, third and fourth shafts adapted to rotate in response to apparent wind speed, ship speed, apparent wind direction, and ship direction, respectively; a first member rotatable about a first axis, a pinion; means actuated by said first shaft for positioning said pinion along a predetermined direction from said first axis, said pinion serving to locate a second axis parallel to said first axis, a rack engaging said pinion, said rack having an extremity defining a third axis parallel to said first axis; means actuated by said second shaft for rotating said pinion to move said rack and position said third axis from said second axis; means actuated by said third shaft for rotating said rack about said second axis to form a first angle between said rack and said predetermined direction, a flexible member carried by said first member and affixed to said rack at said extremity, said rack



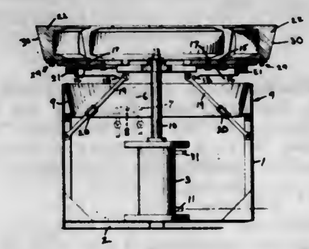
serving to position said flexible member at a second angle with respect to said predetermined direction whereby said first member is rotated through said second angle; said flexible member being adapted to define a distance between said first and third axes corresponding to true wind speed; means actuated by said flexible member to give a first output indication corresponding to the distance between said first and third axes; means responsive to the rotation of said first member to give a second output indication; means responsive to the rotation of said third and said fourth shafts to give a third output indication; and means jointly responsive to the said second and said third output indications to give a fourth output indication corresponding to true wind direction.

2,567,985

RECAPPING AND RETREADING MOLD

Harold L. Baker, Fresno, and Raymond D. Van Tassell, Danville, Calif.

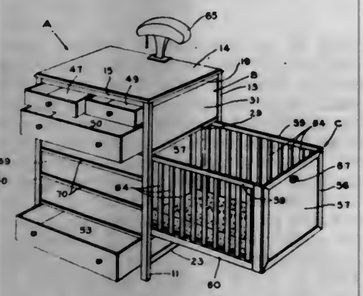
Application March 30, 1946, Serial No. 658,522
10 Claims. (Cl. 18—18)



9. A retreading mold comprising an annular generally horizontally positioned matrix divided into a plurality of segments, a platform slidably supporting said segments for bodily movement

radially of the axis of said matrix from a curing position in which the ends of said segments are in end to end adjoining relation to an open position in which said segments are spaced apart in a common plane, an annular heater circumferentially enclosing said matrix in heat transfer relation thereto when said segments are in said curing position, a plurality of links respectively pivotally connected at their ends with said heater and with said respective segments, said links extending radially of the axis of said matrix when said segments are in said closed position enclosed by said heater, and means for moving said heater and said matrix axially relative to each other whereby the ends of the links connected with said segments will be caused to swing radially outwardly of said axis for moving said segments to said open position, said means for moving said heater and said matrix axially relative to each other including a fluid actuated piston rod coaxial with the axis of said matrix connected with said platform for axially moving said platform and matrix away from said heater, and means for holding said heater stationary during said movement of said platform.

2,567,986
COMBINED CRIB AND WARDROBE
George R. Barrett, Minneapolis, Minn.
Application September 26, 1946, Serial No. 699,443
6 Claims. (Cl. 5—2)



5. A combined crib and wardrobe including a rectangular cabinet body, transverse guides therein, openings in each of two opposed sides of said crib, a crib slidably supported on said guides and projectable from either side of said cabinet, the ends of the crib forming closures for said openings when the crib is contained therein, and means in said cabinet body above the end of the crib retained within the cabinet body in projecting position thereof to support the crib as a cantilever.

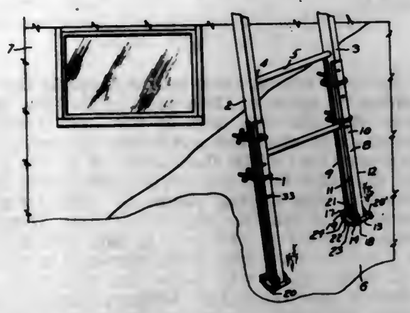
2,567,987
HERBICIDAL COMPOSITIONS
Luther L. Baumgartner, Hastings on Hudson, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 10, 1948, Serial No. 64,710
6 Claims. (Cl. 71—2.3)

5. A herbicidal composition comprising as an essential active ingredient 0.1 to 10% by weight of an active herbicidal ingredient selected from the class consisting of alkyl and alkenyl pentachlorophenyl carbonates, and, as a carrier therefor, a mineral oil consisting predominately of hydrocarbons containing 10 to 20 carbon atoms.

2,567,988
LATEX FOAMED WITH HYDROGEN PEROXIDE AND A POLYAMINE
Eugene J. Bethe, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 30, 1949, Serial No. 102,440
16 Claims. (Cl. 260—2.5)

1. In the manufacture of sponge rubber from a latex foam, the step of foaming a rubber latex selected from the group consisting of natural rubber latex and conjugated diene polymer synthetic rubber latices by incorporating in said latex 1 to 10 parts by weight of hydrogen peroxide per 100 parts of solids of said latex, and 2 to 50% by weight based on the hydrogen peroxide of polyamine selected from the group consisting of ethylene diamine, 1,2-propylene diamine, diethylene triamine, triethylene tetramine, tetraethylene pentamine, triethyl trimethylene triamine, 2-aminoethyl ethanolamine, and mixtures of the same.

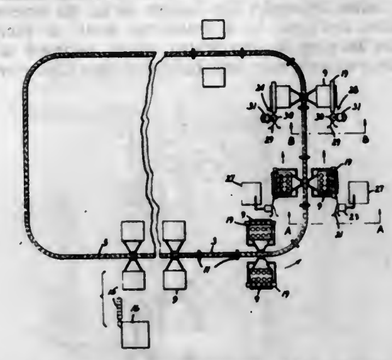
2,567,989
LADDER LEG EXTENSION
Millard F. Cheek, Liberty, Mo., assignor to V. W. Cheek, Liberty, Mo.
Application October 18, 1947, Serial No. 780,687
3 Claims. (Cl. 228—63)



1. A ladder leg extension comprising, facing channel members adapted to engage a ladder leg, bearings on the lower ends of said channel members, foot members adapted to engage the respective sides of said channel members, said foot members comprising spaced straps having bearings at their respective ends, means pivotally connecting the bearings on said foot members to the respective bearings on the channel members to permit relative movement of the channel members, and means for fastening said channel members to said ladder leg whereby said foot members are held in angular position relative to the ladder when in use.

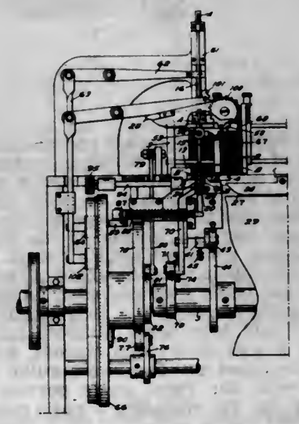
2,567,990
METHOD AND APPARATUS FOR REMOVING YARN FROM YARN PACKAGES
Melvin B. Coleman, Sr., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application October 22, 1949, Serial No. 123,069
16 Claims. (Cl. 242—1)

1. An apparatus for stripping yarn packages comprising yarn package conveying means, yarn stripping means, yarn cutting means positioned after the stripping means in the direction of travel of the conveying means, said stripping and cutting means being disposed on both sides of and adjacent the path of the conveying means.



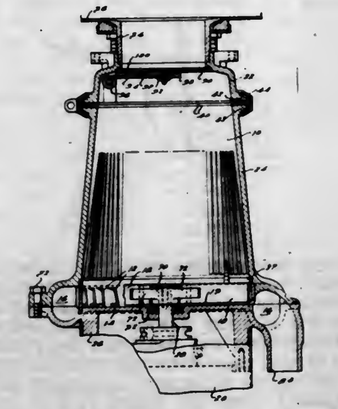
11. A method of stripping yarn from yarn packages comprising passing the yarn packages through a path while the yarn end hangs loosely from a support positioned away from the yarn package, sucking the yarn away from the yarn package at a point along the path thereby unwinding the yarn from the yarn package, and then cutting the unwinding yarn adjacent the yarn package at another point along the path.

2,567,991
APPARATUS FOR STRINGING TAG BLANKS
Guy L. Cornman and Guy L. Cornman, Jr., Gladwyn, and George W. Vernon, Conshohocken, Pa.; said Guy L. Cornman, Jr., and said George W. Vernon assignors to said Guy L. Cornman
Application September 4, 1947, Serial No. 772,164
10 Claims. (Cl. 93—91)



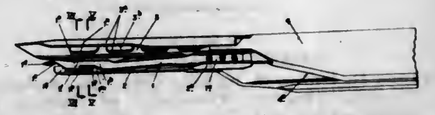
6. Apparatus for successively punching and stringing a tag blank comprising means for positioning the blank at a station, a punch die adjacent said station, a reciprocable punch movable along a path intersecting the blank while at said station and aligned with the die cavity operative to sever a punching from the blank and deposit it in said cavity, a string-carrying tubular needle reciprocable along said path in opposed relation to the punch with respect to said cavity and adapted after the punch has been retracted therefrom to enter successively the die cavity and the hole in the blank to thereby discharge said punching therefrom toward the punch and to thread a string end through the die and blank, a reciprocable substantially cylindrical head having a transverse bore receiving and supporting the needle, a collar adapted for oscillation about the head having a radial hole aligned with the needle bore when in one position, a pivoted trigger supported from the head and movable therewith, yielding means interposed between the trigger and the collar for oscillating the latter about the head in response to movement of the trigger and a fixed detent disposed in the path of the trigger for moving the trigger about its pivot.

2,567,992
GARBAGE GRINDER
George R. Coss and Kemper M. Hammell, Detroit, Mich., assignors to Eureka Williams Corporation, a corporation of Michigan
Application October 29, 1945, Serial No. 625,266
11 Claims. (Cl. 4—187)



1. Garbage disposal apparatus comprising a container having an inlet adapted to be connected to the drain outlet of a sink and a closure seat surrounding said inlet, a pivoted closure arranged to bear against said seat for closing said inlet, said closure being mounted in said container so as to swing inwardly into said container to open said inlet thereof, universally mounted means for moving said closure to open position upon movement of said means in one direction, and detent means cooperable with said pivoted closure for maintaining said closure in said open position.

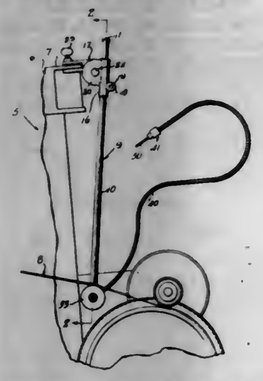
2,567,993
WEFT INSERTING DEVICE
Raymond Dewas, Amiens, France
Application August 27, 1948, Serial No. 46,543
In France September 9, 1947
12 Claims. (Cl. 139—122)



1. In a weft-inserting device for a continuous feed weaving loom having a front, a pulling needle comprising a nipping member having a resilient arm, the arm having a tooth on the edge facing the fell of the cloth and an angular section on the front portion intermediate the tooth

and the bottom of the arm, the downwardly directed wing of the angular section extending from the apex thereof to the bottom, the upwardly directed wing of the angular section extending from the apex thereof to the tip of the tooth and relatively shorter than the downwardly directed wing.

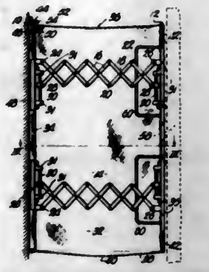
2,567,994
ACCESSORY DRILL FOR TYPE CASTING MACHINES
Cecil M. Downs, Ventura, Calif.
Application December 2, 1949, Serial No. 130,798
2 Claims. (Cl. 77—15)



1. In a type casting machine including an upstanding frame member and a main drive belt extending transversely of and spaced below the upper end of said frame member, an accessory drill for opening and clearing holes in the mouthpieces of said machine comprising an upstanding arm having its upper end positioned adjacent to and spaced from the upper end of said frame member and having its lower end positioned adjacent said belt, a split sleeve mounted on said arm adjacent to and spaced from said upper end thereof for rotational movement and for sliding longitudinal movement, means extending through said sleeve adjacent the split for securing said sleeve in a select position of its rotational and sliding movements, a projection exteriorly of and on said sleeve and spaced from the split thereof, a mounting bracket arranged transversely of said projection and having one end connected to said projection, said projection and sleeve being swingable about an axis transverse of said bracket, means on the other end of said bracket for securing same to said frame member, a transversely disposed spindle rotatably mounted in said arm and having one end projecting beyond said arm, a pulley on the projecting end of said spindle and engageable with said main drive belt, a flexible cable having one end secured to said spindle, a chuck, on the other end of said cable, and a drill bit rotatably supported in said chuck.

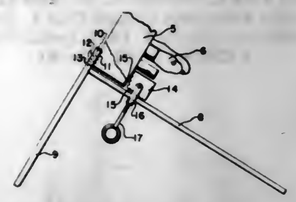
2,567,995
LOADING DOCK COVER
Vance D. Eshnaur, Kansas City, Mo., assignor to Canvas Products Company of Kansas City, Kansas City, Mo.
Application May 22, 1950, Serial No. 163,538
4 Claims. (Cl. 135—5)

3. A loading dock cover of the character described comprising a pair of open frames; means for securing one of the frames to a support such as a building wall; lazy tong linkage joining said frames to support and to allow rectilinear movement of the other frame toward and from the one frame wherein the latter is in an operative position secured to a building wall; a strip of canvas having its marginal edges secured to the frames respectively and bridging the distance be-



tween the frames throughout the path of movement of said other frame toward and from the said one frame; and a guard mounted on the said other frame between the said linkage and said canvas to prevent the latter from entering the linkage during movement of the said other frame toward and from the said one frame.

2,567,996
RADIO SUPPORT FOR REPAIR OPERATIONS
James F. Gaffney, Steelton, Pa.
Application June 2, 1948, Serial No. 30,617
1 Claim. (Cl. 29—284)

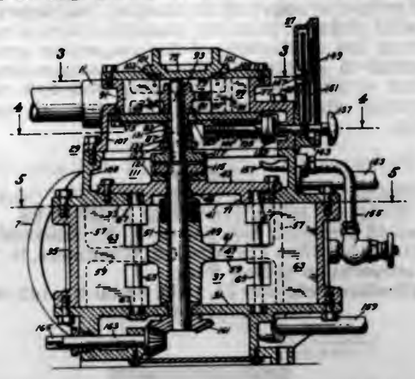


A radio support for repair operations, including a pair of bars one of which is rectangular in cross section and the other U-shape in cross section, the first bar being bent at right angles, one leg being mounted in the concave portion of the U of the second bar and secured to the latter, said first bar being provided with a recess approximately at the juncture of the angle of the bar, the U-shaped bar being provided with recesses complementing the recess of the rectangular bar, the recesses of said bars being adapted for the reception of a wall of a radio chassis, and a jaw movably mounted on the rectangular bar and co-acting with the right angle portion of said rectangular bar for clamping a radio chassis.

2,567,997
PROPORTIONER
Albert J. Granberg, Oakland, Calif.
Application June 5, 1945, Serial No. 597,703
1 Claim. (Cl. 103—118)

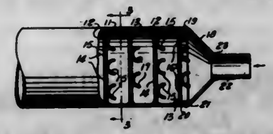
A proportioner comprising an hydraulic motor having a drive shaft, a pump having a chamber and a rotor and shaft assembly disposed eccentrically wtih respect to the axis of said chamber but in substantial alignment with said drive shaft, means for adjusting the position of eccentricity of said rotor and shaft assembly to alter the capacity of said pump, and means coupling said hydraulic motor drive shaft to said pump

shaft, said coupling means including a gear on each of said shafts at their adjacent ends and



a pinion in mesh with both said gears and disposed on a line substantially normal to the path defined by said pump shaft during adjustment.

2,567,998
DEVICE FOR TREATING OIL FOR THE SEPARATION OF WATER
Ernest H. Griffith, Jal, N. Mex., assignor, by direct and mesne assignments, to Marvel Oil Treater, Inc., a corporation of Delaware
Application April 23, 1951, Serial No. 222,340
4 Claims. (Cl. 138—37)

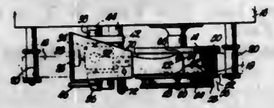


1. An agitating device comprising an elongate shell; a plurality of spaced transverse disks rigidly secured in said shell and dividing said shell into a plurality of compartments, each of said disks having a plurality of elongate parallel apertures; and a plurality of spaced transverse semi-cylindrical members on each disk, the convex side of each member being tangent to its associated disc and secured thereto between adjacent apertures and the semi-cylindrical members of each disk being aligned with the apertures of the immediately preceding disk, said semi-cylindrical members having their concave surfaces facing the aligned apertures of the immediately preceding disk.

2,567,999
PROCESS FOR MAKING A DETERGENT COMPOSITION
Juan M. Guastavino, Buenos Aires, Argentina
No Drawing. Application September 7, 1949, Serial No. 114,456. In Argentina July 1, 1946
2 Claims. (Cl. 252—118)

1. A process of making a detergent composition for use on the human skin which comprises, reacting 5 to 12 parts by weight of 10% ammonium hydroxide and 15 to 25 parts by weight of oleic acid with continuous agitation in the presence of 100 to 120 parts by weight of a petroleum hydrocarbon fraction having a boiling range of 130 to 190° C., whereby to form an ammonium oleate-containing mass, adding to said mass 4 to 6 parts by weight of a 20% aqueous sodium hydroxide solution, and subsequently adding 10 to 20 parts by weight of water and 1 to 3 parts by weight of glycerine and continuing agitation until the composition acquires a gel-like consistency.

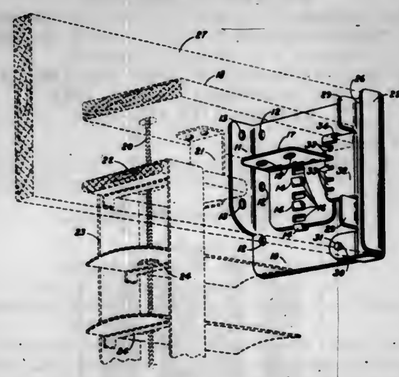
2,568,000
SOUND RECORDING AND REPRODUCING APPARATUS
Claude M. Gunn, Kansas City, Mo.
Application July 3, 1948, Serial No. 36,852
6 Claims. (Cl. 274—11)



3. Apparatus of the character described comprising a rotating drum over which a strip of film is adapted to travel, a flange on the drum adjacent one edge of the film, means for applying pressure to the opposite edge of the film to maintain said one edge against said flange, a transducer having a stylus engaging said film between the flange and said pressure means, said transducer movable laterally of the film and having a guide finger adjacent said flange, and means for applying a lateral force on said transducer to maintain said finger against the flange.

5. Apparatus of the character described comprising a rotating drum over which a strip of film is adapted to travel, a transducer adjacent the drum having a stylus engaging the film as it passes over the drum, means for indexing the transducer relative the edge of the film to maintain the stylus in predetermined spaced relationship to said edge, said drum having an inset annulus of vibration absorbing material engaging the underside of the film, said annulus being spaced laterally from the stylus.

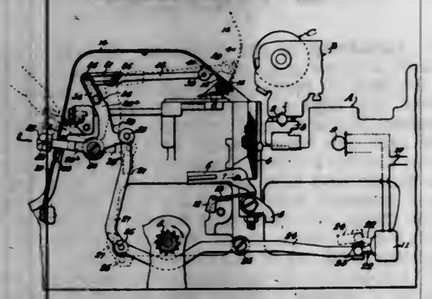
2,568,001
BRACKET FOR VENETIAN BLINDS
Paul J. Harris, Portland, Oreg., assignor to Rite-Hite Corporation, Portland, Oreg.
Application August 1, 1949, Serial No. 107,953
2 Claims. (Cl. 248—264)



1. A bracket for Venetian blinds consisting of a flat plate adapted to be secured to an upright support, said plate having a lug at one side thereof normal thereto, an angle plate movably mounted against said flat plate, said plates having a series of hooks and openings registering with each other whereby said angle plate may be held at a pre-determined elevation, an apron support-

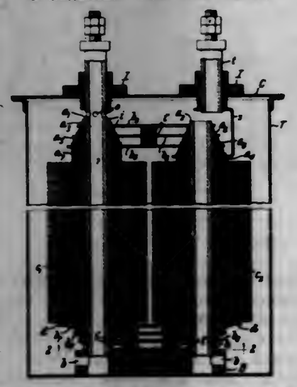
ing channel having its lower end hinged to the lower end of said flat plate and having a plurality of notches formed in the side thereof adapted to engage said angle plate and fix its position when said apron is in a vertical position.

2,568,002
COVER CONTROLLED SAFETY SWITCH MECHANISM FOR POWER OPERATED TYPEWRITERS OR LIKE MACHINES
Henry J. Hart and William H. Kupper, West Hartford, Conn., assignors to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application September 13, 1949, Serial No. 115,543
9 Claims. (Cl. 197—17)



1. In a power operated typewriter or like machine, a frame; mechanism mounted on said frame; a cover mounted on said frame for movement to open and closed positions; an electric motor mounted on said frame for operating said mechanism; a switch for controlling said motor; means for operating said switch including a manually operable member mounted on said frame for movements corresponding to "on" and "off" positions of said switch; and a connection between said manually operable member and said cover operable, when said switch is in "on" position and said cover is raised, for operating said member and switch automatically to "off" positions.

2,568,003
SWITCH CHOKE COIL
Hans Hartmann, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application February 25, 1949, Serial No. 78,436
In Switzerland March 6, 1948
6 Claims. (Cl. 175—356)



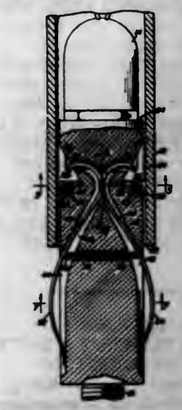
1. In a choke coil for use with high current rectifiers and inverters with mechanical switching and of the type comprising a multi-turn winding threaded through a ring-form iron core; two groups of coaxially telescoped conductors in parallel physical relation, conductor straps connecting the conductors of the respective groups together in alternation to form a single series-circuit winding, and an annular iron core surrounding the outermost conductor of each group.

2,568,004
METHOD OF APPLYING PROTECTIVE COATINGS OF MICA TO SOLID SURFACES
Moses D. Heyman, Woodmere, N. Y., assignor to Integrated Mica Corporation, Woodmere, N. Y., a corporation of New York
Application February 12, 1950, Serial No. 143,921
4 Claims. (Cl. 117—72)



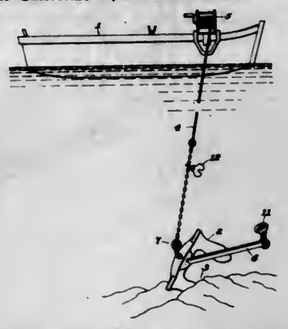
1. The method of protecting the surface of a solid which comprises applying an undercoat to the surface, applying to the undercoat a suspension consisting of integrated mica flakes and a readily evaporable liquid selected from the group consisting of water, methyl alcohol, xylene and toluene, said mica flakes being nascent and capable of cohering to each other, thereby depositing a layer of mica flakes onto the undercoated surface, evaporating the liquid vehicle from the layer of mica flakes, and applying and drying a lacquer onto the layer of mica flakes, thereby filling the interstices among the mica flakes.

2,568,005
DRILL PIPE ATTACHMENT
Chester M. Holder and Morgan C. Holder, Ringling, Okla.
Application March 8, 1950, Serial No. 148,428
4 Claims. (Cl. 255—1)



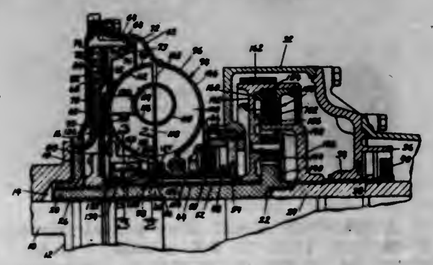
1. In combination with an object slidably positioned in a tube, a device for preventing the object from dropping out of the end of the tube comprising a cylindrical body, means for attaching the body to the object, tube gripping means carried by said body, resilient means normally urging said members outwardly of said body and into gripping engagement with the inner wall of the tube, and lever means operatively connected to said gripping members urging said members inwardly and out of gripping contact with said tube by engagement of said lever means with the inner wall of said tube, said lever means including S-shaped arms having hooked upper ends pivoted intermediate their ends, said gripping members including slots receiving the upper ends of said arms, said hooked upper ends urging said gripping members inwardly of said body upon compression of said arms by said tube.

2,568,006
MEANS FOR RELEASING FOULED BOAT ANCHORS
Arthur Ilsche, Rye, N. Y.
Application April 17, 1948, Serial No. 21,715
2 Claims. (Cl. 114—221)



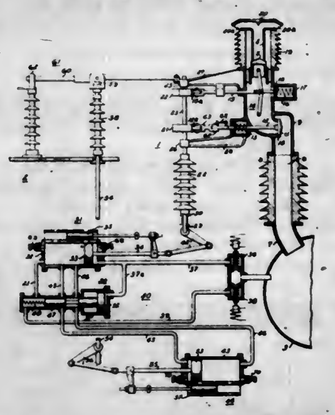
1. In an anchor upsetting means in which the anchor cable is attached to the fluke end of the anchor, a separable element consisting of a two-plate clamp, a bifurcated slip plate frictionally held between them and a screw bolt that passes through the bifurcation of the slip plate and positively secures the plates of the clamp together in definite spaced apart relation and against separation by being threaded into one of the plates and rotatable to vary the spacing of the plates and the frictional strength of the clamp, the said separable element providing a releasable connection between an intermediate point in the length of the cable and the free end of the anchor shank and being adjustable to support the weight and withstand the normal strain of the anchor in being raised or lowered and adapted to yield and temporarily disengage the connection under abnormal strain of a fouled anchor leaving the latter held at the fluke end by the cable.

2,568,007
TRANSMISSION
Vladimir J. Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1945, Serial No. 625,306
9 Claims. (Cl. 74—732)



1. A transmission comprising primary and secondary members, a clutch connected therebetween, a fluid pressure actuated element for control of the clutch, a fluid torque converter including primary, secondary and reaction elements connected between the primary and secondary members, a fluid pressure system connected to the fluid pressure actuated element, a valve connected in the system for control of the flow of fluid to the fluid pressure actuated element, said valve being under control of the reaction element, and means responsive to the speed of the primary member connected in the system for control of the flow of fluid to the valve.

2,568,008
HIGH-VOLTAGE AIR BLAST CIRCUIT BREAKER HAVING THE BLAST VALVE ARRANGED AT LINE POTENTIAL
Gustav E. Jansson, North Quincy, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 22, 1948, Serial No. 28,666
19 Claims. (Cl. 200—82)

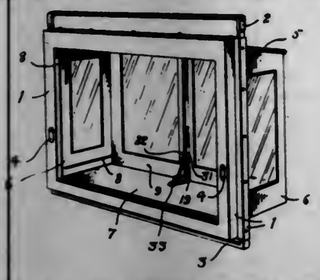


1. In a circuit breaker in combination, a reservoir for gas under pressure, means defining an insulating blast passage in permanent communication at one end thereof with said reservoir, valve means arranged adjacent the opposite end of said passage for controlling a blast of gas under pressure issuing therefrom, a pair of cooperating relatively movable contacts arranged in the zone of said blast, a motor means arranged substantially at ground potential, and an insulating element adapted adjacent one end thereof to control the operation of said pair of contacts as well as to control the operation of said valve means, and adapted adjacent the opposite end thereof to be operated by said motor means.

2,568,009
COLLAPSIBLE WINDOW
Jay F. Johnson, Superior, Wis.
Application November 6, 1947, Serial No. 784,415
4 Claims. (Cl. 20—40)

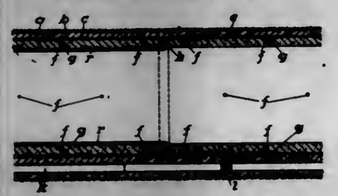
1. In a foldable window, a frame, an upper sash, a lower sash, and two opposed side sashes hinged to and about the innermost edges of said frame, a central sash carried by said side sashes for control of all of said sashes, said side sashes having a pivotal and sliding connection with said control sash so as to be moved by the latter, said sashes being pivoted to extend in angular relation to said frame forming a box-like extension from said frame when in unfolded position and pivoted to extend in substantial alinement with said

frame when in folded position, means for locking said sashes in closed position comprising a vertically reciprocable snap lock carried by and intermediate the bottom of one of said sashes and said central sash, a slide vertically operable by



said snap lock and carried by said central sash, and a catch carried by the upper one of said sashes which is engageable by said slide to lock said sashes in closed position with said top sash overlapping said side and control sashes.

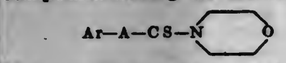
2,568,010
PROCESS FOR THE PRODUCTION OF A LINING FOR PRESSURE GALLERIES AND SHAFTS
Alois Kieser, Bregenz, Austria
Application May 7, 1947, Serial No. 746,476
In Germany July 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 27, 1963
8 Claims. (Cl. 61—45)



7. A process for constructing a lining for pressure tunnels, comprising the steps of covering the rock surface of the tunnel with a lining ring, constructing an inner core ring so as to leave between said rings an annular space, providing in said annular space elements perpendicular to the tunnel axis for subdividing said space into zones which are tightly separated from each other, filling each zone with a liquid backing up material, and pressurizing said backing up material while allowing it to harden so that the hardened backing up material exercises on said core ring an initial compressive stress.

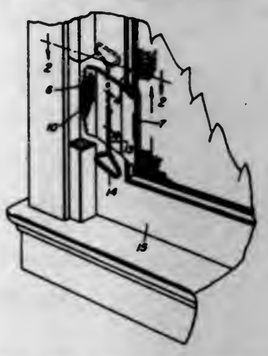
2,568,011
ARYLTHIOALKANOAMIDES AND THEIR PREPARATION
John A. King, Albany, and Freeman H. McMillan, Troy, N. Y., assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 8, 1946, Serial No. 682,140
20 Claims. (Cl. 260—247.1)

1. A compound having the formula



where Ar is a monocarbocyclic aryl radical bearing from 1 to 3 reactive nuclear substituents selected from the group consisting of hydroxyl, amino, acylamino and nitro radicals and A is an alkylene radical of 1 to 4 carbon atoms.

2,568,012
SCRAPING TOOL FOR FREEING STUCK WINDOW SASHES
Oscar J. Le Boeuf, Gary, Ind.
Application October 18, 1948, Serial No. 55,114
1 Claim. (Cl. 15—236)



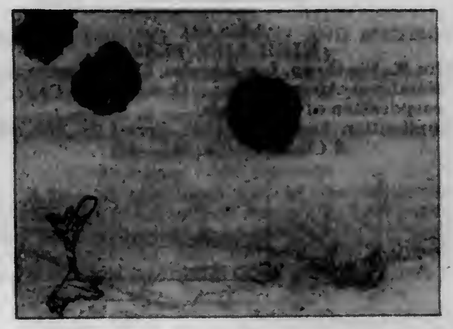
A scraper of the character described comprising an elongated metallic plate including end portions angularly disposed with respect to the plane of said plate and on the same side thereof, one of said end portions constituting a blade insertable between a window sash and guide and including an end edge substantially anticlinal along its length and comprising oppositely pitched teeth, the other end portion of said sheet being rolled for providing a hand grip, and an operating rod pivotally secured to the plate at a point intermediate the end portions.

2,568,013
CAST GRAPHITIC NICKEL ALLOY AND METHOD OF MAKING SAME
Gerald Linfield Lee, Plainfield, and John Trimble Eash, Westfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1948, Serial No. 17,446
11 Claims. (Cl. 75—170)



1. A graphitic nickel alloy containing 1% to 2% carbon, 1.5% to 2% silicon, 1% to 1.5% manganese, sulfur up to 0.08%, magnesium in an amount exceeding the amount of sulfur present by 0.06% to 0.11% and the balance essentially nickel, said alloy being characterized by high strength combined with an elongation of at least 25% and by a microstructure containing a dendritic phase having a eutectic structure within itself and part of said carbon as graphite in a nodular form.

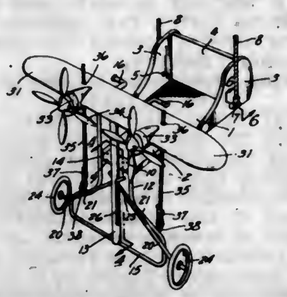
2,568,014
GRAPHITIC NICKEL TIN ALLOY AND METHOD OF MAKING SAME
John Trimble Eash, Westfield, and Gerald Linfield Lee, Plainfield, N. J., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1948, Serial No. 17,438
9 Claims. (Cl. 75—170)



1. As a new article of manufacture, a casting made of a graphitic alloy having graphite present in a nodular form and comprising 0.8% to 2.5% carbon including 0.08% to 0.25% combined carbon, 1% to 6% tin, 0.5% to 4% silicon, 0.5% to 4% manganese, sulfur in an amount not subversive to the occurrence of nodular graphite, magnesium in an amount exceeding the amount of sulfur present by 0.03% to 0.25%, up to 10% iron and the balance essentially nickel, the nickel content constituting at least 80% of the alloy, said alloy being characterized by a microstructure containing an interdendritic phase having a eutectic structure within itself and nodular graphite and by an improved combination of tensile strength and gall resistance.

2,568,015
SWING
Roy Glenn Low, Minneapolis, Minn.
Application April 17, 1950, Serial No. 156,294
5 Claims. (Cl. 155—65)

1. In a swing of the class described, an upright frame, a seat having an elongated forwardly-projecting straddle tongue, means mounting the front end of said tongue to said frame member for pivotal movements of said frame with respect to said seat about a horizontal axis, a wing structure secured to the upper end portion of said frame, handle members on said frame rearwardly of said wing structure, a pair of spaced supporting ropes secured at their lower ends to the lower end portion of said frame and extending upwardly through spaced openings in said wing structure, a pair of supporting ropes secured at their lower end portions to said seat, said ropes being adapted to suspend said frame and seat in spaced relation to the ground when connected to suitable supporting means, a pair of laterally-spaced retractable landing wheels, and means mounting said wheels on said frame for movements from operative floor-engaging positions below the plane of said frame to inoperative retractive positions above the plane of the bottom of said frame.



2,568,016
FORMALDEHYDE CONVERSION
Alexander F. MacLean, Robstown, and Walter E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 12, 1949, Serial No. 81,213
9 Claims. (Cl. 260—340)

1. Process for the production of paraformaldehyde, which comprises evaporating and concentrating an aqueous solution of formaldehyde maintained at a pH of 2.9 to 3.5 by heating the same under vacuum in two stages, the first evaporation stage being effected at a temperature of 45 to 70° C. under a pressure of 25 to 100 mm. of mercury absolute and the second stage being effected at a temperature of 70 to 100° C. under a pressure of 100 to 200 mm. of mercury absolute, the maximum evaporator residence time during evaporation being three hours when the formaldehyde solution undergoing concentration contains over 60% by weight of formaldehyde.

2,568,017
PARAFORMALDEHYDE FROM FORMALDEHYDE
Alexander F. MacLean, Robstown, and Walter E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application October 18, 1949, Serial No. 122,122
6 Claims. (Cl. 260—340)

1. Process for the production of paraformaldehyde, which comprises evaporating and concentrating an aqueous solution of formaldehyde maintained at a pH of 2.9 to 3.5 by heating the same under vacuum in two stages, the first evaporation stage being effected at a temperature of 45 to 70° C. under a pressure of 25 to 100 mm. of mercury absolute until the concentrated solution has a formaldehyde content of 60 to 80% by weight and the second stage being effected at a temperature of 70 to 90° C. under a pressure of 100 to 200 mm. of mercury absolute until the concentrated solution has a formaldehyde content of 80 to 90% by weight, subjecting the concentrated aqueous formaldehyde solution to a soaking period of from about 30 to 180 minutes at a temperature of 100 to 130° C. and then cooling and solidifying the concentrated formaldehyde solution to obtain paraformaldehyde.

2,568,018

TREATMENT OF PARAFORMALDEHYDE

Alexander F. MacLean, Robstown, and Walter E. Heinz, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application October 28, 1949, Serial No. 124,238
17 Claims. (Cl. 260—340)

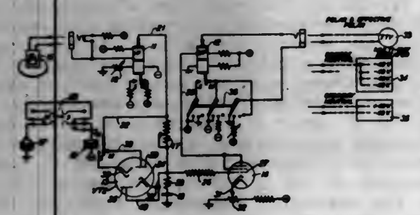
17. Process for the drying of paraformaldehyde, which comprises treating paraformaldehyde in particle form with a current of air containing triethylamine in an amount sufficient to alter the pH of the paraformaldehyde, drying the particles so treated, reducing the particle size of the paraformaldehyde particles, and then drying the finely-divided particles to a moisture content below 3% by weight with a current of heated air containing moisture.

2,568,019

TELEGRAPH SIGNAL BIASING SET

Wade B. Martin, Ramsey, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 5, 1949, Serial No. 79,819
9 Claims. (Cl. 178—69)



7. In a telegraph system, an instrumentality for testing the adjustment of receiving telegraph apparatus to receive signals affected by bias and distortion whereby an incoming message may be correctly recorded, said instrumentality comprising in combination, receiving relay means for producing undistorted marking current impulses and spacing current impulses of incoming signal combinations, rectifying means and an impedance network cooperating therewith, adapted to respond to said marking current impulses only and said spacing current impulses only, under different conditions, means for selecting said rectifying means (1) under one condition to lengthen at one end only the marking impulses of each incoming signal combination to produce marking bias, (2) under another condition to shorten at one end the marking impulses only of each incoming signal combination to produce spacing bias, and (3) under still another condition to automatically effect at recurring intervals a switch-over from marking bias to spacing bias and vice versa whereby groups of said signal impulses with marking end distortion and groups of said signal impulses with spacing end distortion are alternately produced, the impulses having distortion at one end only, and means in said impedance network for predetermining any desired amount of marking or spacing bias or marking end or spacing end distortion to which the impulses repeated by said receiving relay means will be subjected.

2,568,020

METHOD OF PREPARING CARBOTHIOLIC ACIDS

John C. McCool, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 3, 1949, Serial No. 97,081
3 Claims. (Cl. 260—500)

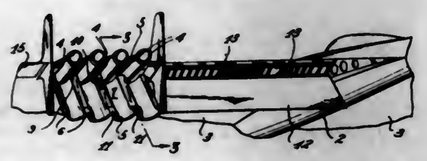
1. A process for the preparation of thiolacetic acid which comprises reacting acetic anhydride with a water-soluble hydrosulfide selected from the class consisting of alkali metal, alkaline earth metal and ammonium hydrosulfides, in an aqueous medium at a temperature below room temperature, acidifying the resulting aqueous mixture and recovering the thiolacetic acid.

2,568,021

HIGH LIFT FLAP

John K. Northrop, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California

Application August 18, 1947, Serial No. 769,305
6 Claims. (Cl. 244—42)



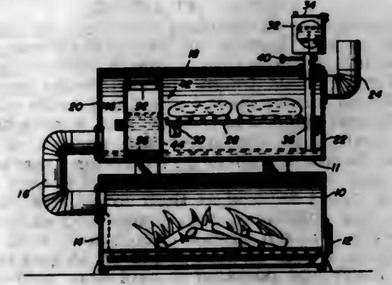
3. In an airplane having a lifting wing, a high lift flap comprising a portion of the lower surface of said wing extending forwardly from the trailing edge of said wing, said flap being hinged to said wing to rotate downwardly and forwardly, the lower surface of said flap being contoured with a plurality of spaced parallel fairings of circular contour merging from a substantial arc of a circle at the trailing edge of said wing and extending forwardly with diminishing arcs to merge into the normal contour of said wing before reaching the hinge line of said flap, and means for rotating said flap downwardly to provide increased lift.

2,568,022

BARBECUE OVEN

Leonard A. Parker, De Witt, Ark.

Application February 2, 1949, Serial No. 74,178
5 Claims. (Cl. 99—259)



3. A barbecue apparatus comprising a firebox, a barbecue oven mounted above said firebox, said oven comprising an elongated horizonally disposed closed casing having a bottom and a top, inlet means for introducing heated gases into a first end of said oven adjacent the bottom thereof, outlet means adjacent the top of the other end of the oven for discharging gases from the interior thereof, a meat supporting grill in said oven above the floor thereof and adjacent said other end, means for dispensing sauce into said oven, said inlet means delivering the products of combustion of said fire-box to said oven, a liquid tank resting upon the floor of said oven and extending transverse the interior thereof, said container being positioned adjacent said first end and said inlet means for receiving the direct impingement of the heated gases whereby to vaporize said liquid and prevent uninterrupted flow of the gases through the oven, said tank having discharge means for releasing vaporized liquids therefrom into the gases flowing through said oven.

2,568,023

FREE FILTERING ASBESTOS AND METHOD OF PRODUCING SAME

Walter M. Perry, Darien, Conn., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application August 24, 1946, Serial No. 692,915
8 Claims. (Cl. 106—99)

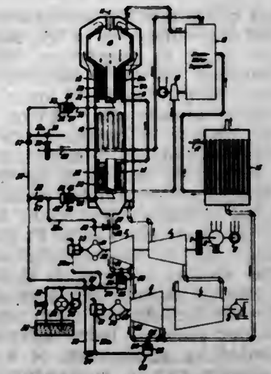
1. A free filtering loose mass of flexible chrysotile asbestos fibers which are individually provided with 5% to 25% by weight of a discontinuous, hydrated and incompletely hardened thin coating of hydraulic cement composition.

2,568,024

COMBINED STEAM GENERATOR AND COMBUSTION GAS TURBINE POWER PLANT

Hans Pfenninger, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company

Application May 9, 1949, Serial No. 92,224
In Switzerland December 13, 1948
11 Claims. (Cl. 60—49)



11. A combined steam generator and combustion gas turbine power plant comprising an elongated straight double walled housing, said housing including a combustion chamber with fuel supply for producing combustion gases at superatmospheric pressure, a first vaporizer section, a steam superheater section and a second vaporizer section arranged in consecutive order along the axis of said housing, said combustion gases being passed from said combustion chamber straight through said sections in heat transfer relation thereto in the order named and with a relatively small drop in gas pressure, a power output gas turbine having its gas inlet in communication with the gas outlet end of said housing for receiving the combustion gases discharged therefrom, an air compressor driven by said gas turbine, an air conduit between the compressed air outlet from said compressor and the space between the walls of said housing at the combustion gas outlet end therefrom, an air passageway to the interior of said combustion chamber from the space between the walls of said housing at the other end thereof, and a combustion gas by-pass for said second vaporizer section controlled in accordance with the temperature of said gases at the turbine inlet for varying the extent of the heat transfer from said gases to said second vaporizer section.

2,568,025

PROCESS FOR THE PRODUCTION OF 7-HALOGENOSTEROLS

Siegfried Pickholz, Greenford, and Evan Roberts, London, England, assignors to Peboc Limited, Greenford, England, a British company

No Drawing. Application March 20, 1950, Serial No. 150,814. In Great Britain March 24, 1949
14 Claims. (Cl. 260—397.2)

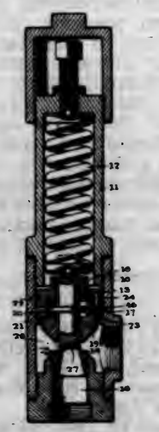
1. A process for the production of a 7-halogeno-3-sterol ester having a double bond in the 5.6-position and a saturated open chain hydrocarbon residue in the 17-position which comprises monohalogenating a 3-sterol ester having a double bond in the 5.6-position and a saturated open chain hydrocarbon residue in the 17-position with a halogenating agent selected from the group consisting of N-chloro and N-bromo carboxylic acid amides and imides under substantially non-acid conditions in the presence of a substance selected from the group consisting of pyridine, alkyl pyridines, polyalkylpyridines, alkyl esters of pyridine monocarboxylic acids, amides of pyridine monocarboxylic acids, urea and alkyl esters of carbamic acid.

2,568,026

RELIEF AND CONTROL VALVE

Reginald J. S. Pigott, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application March 28, 1945, Serial No. 585,273
3 Claims. (Cl. 137—53)



1. A valve comprising a body having inlet and outlet ports and a communicating passageway therebetween, a fixed seat in said passageway comprising a narrow, flat-surfaced annulus having a sharp inner edge, the included angle between said seat and passageway being not greater

than approximately ninety degrees, a valve member urged into sealing contact with said seat by yieldable loading means, said valve member comprising a guided portion of uniform diameter having at its end a flat, annular seating surface of substantially the same size as said fixed seat and defined by a recess in a face thereof, the side wall of said recess being substantially perpendicular to the seating surface, thereby defining a sharp inner edge at the juncture therewith, and of a depth at least one-eighth of the inner diameter of said fixed seat, whereby a vena contracta is fully developed in the stream flowing between the separated valve member and seat when flow is established and they are thereby relieved of static pressure tending to cause chatter.

2,568,027

METHOD OF MAKING DOWNSPOUT HOOKS

Max Rachlin, Flushing, N. Y.

Application June 18, 1948, Serial No. 33,897
2 Claims. (Cl. 29—150)



1. A method of making downspout hooks, which comprises, die-pressing an elongate strip of metal defining a blank to taper each end portion of said blank and to form an elongated longitudinally extending central reduced portion between said end portions, then cutting and trimming said blank to form two said hooks including trimming said end portions and cutting said blank longitudinally along the axis of said reduced portion and laterally from the ends of such longitudinal cut to the opposite edges of said blank to separate said blank into two members each having a shoulder, a tapered end portion defining a driving tang with said shoulder, and an elongate narrow portion, and finally bending said elongate narrow portion of each said member into a hook of desired shape.

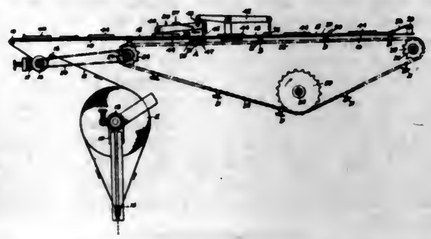
2,568,028

CONVEYER AND CUTTING MECHANISM FOR WRAPPING MACHINES

Benjamin Redmond, New York, N. Y., assignor to Chiplets Incorporated, New York, N. Y., a corporation of New York

Application April 12, 1946, Serial No. 661,697
14 Claims. (Cl. 164—42)

1. In a mechanism of the character described, means to support suitable material for guided movement with a portion thereof disposed horizontally and to be cut into individual wrappers, the uncut horizontally disposed portion to receive at intervals articles to be wrapped, a plurality of spaced driven material engaging elements to successively advance the uncut material step-by-step, each of said elements also serving to advance a wrapper with which it is engaged after



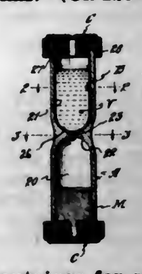
a material cutting operation, means to sever the material in advance of each of said elements after a dwell in its movement, and means to free the wrapper from each of said elements as the latter is advanced into a predetermined position.

2,568,029

UNITARY CONTAINER FOR HYPODERMIC INJECTION INGREDIENTS

George H. Seemar, Chatham, N. J.

Application February 9, 1950, Serial No. 143,189
8 Claims. (Cl. 128—272)



1. A unitary container for separately packaging the related ingredients of a hypodermic injection charge prior to admixture, which said container comprises an outer container section having a filling mouth, and an inner thimble-shaped container section also having a filling mouth and adapted to be positioned within the outer container section in telescoping relation thereto with its mouth embraced by the mouth of the outer container section and with the rims of both mouths substantially flush, both said mouths being so constructed as to fit each other in close sliding contact, the composition of the inner container section being such that at least a needle-size area of its interiorly located bottom wall is needle-puncturable, the flush rim mouths of both container sections being adapted to be closed and sealed by application of a common puncturable closure cap of conventional design which encloses and frictionally grips the inner surface of the inner section and the outer surface of the outer section.

2,568,030

CONTROL FOR HYDRAULIC MOTORS

Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application June 28, 1943, Serial No. 492,526
5 Claims. (Cl. 60—52)

3. A hydraulic device comprising an upright frame, a working member guided by said frame for vertical movements thereon, hydraulic means having advancing and retracting chambers for said member, a pump, control means by which fluid under pressure is delivered by said pump selectively and alternately to said chambers to cause descent and ascent of said chamber, said pump, hydraulic means and control means being mounted on the upper end of said frame, a reser-



voir on the upper end of said frame in which said control means are disposed, and a generally flat, thick plate, closing the upper end of said reservoir and having horizontal passages formed therein, and said control means including valves in said passages in said plate, whereby leakage from any of said passages and control valves will drip into said reservoir.

2,568,031

THIOPHENOLS AS SELECTIVE HERBICIDES

John H. Standen and Luther L. Baumgartner, Yonkers, N. Y., assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 8, 1947, Serial No. 746,863
4 Claims. (Cl. 71—2.3)

1. A selective herbicidal composition useful for eradicating weeds from grasses without substantially damaging the grasses, said composition comprising an active ingredient uniformly dispersed in an aqueous medium, the active ingredient being an aryl mercaptan selected from the class consisting of thiophenol, alpha- and beta-thionaphthol and ortho-, meta- and para-thiocresol, in the form of the free mercaptan, and being present in the concentration of from ⅛% to 1% by weight.

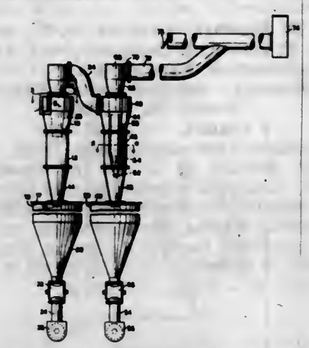
2,568,032

DUST COLLECTOR

Nicholas N. Stephanoff, Cynwyd, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 22, 1949, Serial No. 88,989
1 Claim. (Cl. 183—83)

A dust separator comprising a vortex chamber, said chamber including an upper substantially conical section, an intermediate substantially cylindrical section, and a lower substantially conical section, the diameter of the upper portion of said upper section being greater than that of said intermediate section and the diameter of the lower portion of said lower section being less than that of said intermediate section, a volute chamber surmounting said upper vortex section, having a generally spiral outer wall and having a tangential inlet, and an outlet tube projecting through said volute chamber and said upper vortex section, said upper vortex section having at its junction with said volute chamber a radius at least equal to the maximum



radius of the volute chamber providing a transition between the vortex and volute chambers presenting only surfaces other than substantially horizontal dust accumulating surfaces, and the bottom of said volute chamber being throughout its entire cross-sectional area external to said outlet tube and in free open communication with the upper end of said upper vortex section.

2,568,033

HORTICULTURAL COMPOSITION COMPRISING A POLYMERIC ORGANIC POLYSULFIDE AND A PETROLEUM OIL FRACTION

William D. Stewart, Yonkers, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application April 11, 1947, Serial No. 740,967
3 Claims. (Cl. 167—22)

1. A horticultural composition comprising 1 to 5 quarts of a petroleum oil fraction for each 0.5 to 5 pounds of a polymeric organic polysulfide, the said petroleum oil fraction being one consisting mainly of saturated hydrocarbons having 14 to 18 carbon atoms, having a viscosity of from 40 to 85 seconds Saybolt and having more than 90% unsulfonatable residue, and the said polymeric organic polysulfide being one having 3 to 5 sulfur atoms per molecular unit and being in the form of solid particles of a size of no greater than 10 microns in diameter dispersed in an aqueous solution of a lignin sulfonate.

2,568,034

HORTICULTURAL COMPOSITION COMPRISING POLYETHYLENE POLYSULFIDE AND SULFUR OR LIME-SULFUR

William D. Stewart, Yonkers, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application April 11, 1947, Serial No. 740,968
3 Claims. (Cl. 167—20)

1. A composition comprising a stable dispersion of one to five parts by weight of particles of polyethylene polysulfide of a size no greater than 10 microns in diameter dispersed in an aqueous solution of a lignin sulfonate, said polysulfide

containing 3 to 5 sulfur atoms per molecular unit, and also comprising from 1 to 20 parts by weight of separate particles of a material selected from the class consisting of sulfur and lime sulfur.

2,568,035
HORTICULTURAL COMPOSITION COMPRISING DDT AND POLYETHYLENE POLYSULFIDE
William D. Stewart, Yonkers, N. Y., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1947, Serial No. 740,969
4 Claims. (Cl. 167—22)

1. A composition comprising from 0.5 to 10 parts by weight of a 2,2 bis-(p-substituted aromatic) halogenated ethane and from 1.0 to 5 parts by weight of polyethylene polysulfide having 3 to 5 sulfur atoms per molecular unit in the form of particles having a size no greater than 10 microns in diameter and dispersed in an aqueous solution of a lignin sulfonate.

2,568,036
PLANT GROWTH REGULANT COMPOSITIONS CONTAINING HALOARYL SULFONYL SULFIDES
William D. Stewart, Brecksville, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 6, 1950, Serial No. 154,442
5 Claims. (Cl. 71—2.3)

1. A plant growth regulant which comprises a compound having the formula

$$Y—SO_2—(S)_n—SO_2—Y'$$

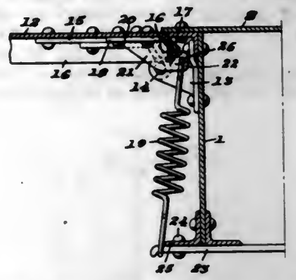
where Y and Y' are haloaryl radicals and where n is an integer from one to four.

2,568,037
TERTIARY-AMINOALKYL ESTERS AND AMIDES OF 4-QUINOLYLMERCAPTO-ALKANOIC ACIDS AND THEIR PREPARATION
Alexander R. Surrey, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 24, 1947, Serial No. 782,015
20 Claims. (Cl. 260—247.1)

15. 2-(4-morpholinyl)ethyl 7-chloro-4-quinolylmercaptoacetate, and acid-addition salts thereof.

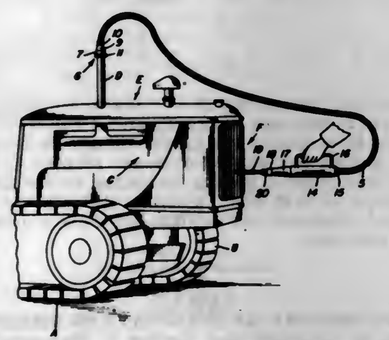
2,568,038
DOOR MECHANISM FOR RAILWAY CARS
Lambert J. Tillman, Toledo, Ohio
Application May 9, 1947, Serial No. 746,895
6 Claims. (Cl. 105—286)

1. A door mechanism for a railway gondola car having a door hinged to the car adjacent a center sill thereof, means rigid with the door and projecting beyond the hinged edge thereof toward said center sill, and a substantially upright extensible spring having one end secured to the car and the other end to said means so that when the door is moved toward open position the spring is extended and thereby energized to provide a force tending to return the door to closed position, said means being so arranged that the moment arm of the force of the spring about the hinge axis of the door decreases as the door nears fully open position, said spring



means being disposed beneath the door when closed.

2,568,039
DIESEL ENGINE EXHAUST BLOWER
Theodore Torell, Missoula, Mont.
Application December 2, 1948, Serial No. 63,156
1 Claim. (Cl. 299—58)

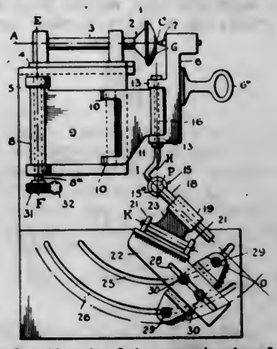


A blower-type dust cleaner attachment for use on the exhaust pipe of a diesel engine comprising a funnel-shaped coupling adapted to be adjustably and detachably mounted on said exhaust pipe, said coupling having a clamping and retaining band, an elongated flexible armored conduit connected at one end to said coupling, an elongated cylinder communicatively connected to the opposite end of said conduit and having a reduced conical discharge end terminating in an internally screw-threaded cylindrical discharge neck, a hand-grip mounted rigidly on said cylinder, and a reduced elongated nozzle having a screw-threaded tip screwed into the screw-threaded portion of said neck.

2,568,040
MACHINE FOR FORMING CONOIDAL SURFACES
Robert G. R. Touvay, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces & Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application December 10, 1946, Serial No. 715,247
In France March 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1965
10 Claims. (Cl. 51—58)

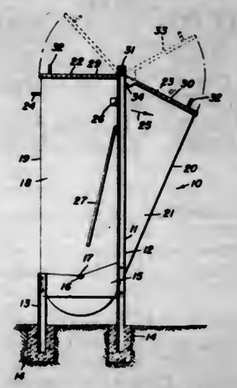
1. In a device of the class described, the combination with a horizontal head stock and chuck mounted thereon, of a tool holder provided with means for moving it transversely of the head stock in a horizontal plane, means for giving

the tool holder any desired angular relation to the axis of the head stock about the vertical axis passing by the working point of the tool and the axis of the head stock, a frame driven about an axis contained in the vertical plane of the axis of the head stock, a driver mounted on the same frame and capable of movement lengthwise of a straight guide secured to the frame and inclined to the axis of the frame, a universal joint connecting the driver and tool



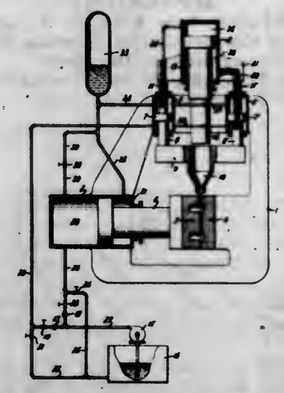
holder whereby the tool is constrained to follow the path of movement of the driver and whereby the driver is constrained to move in a plane parallel with that in which the tool holder is movable, means for tilting the frame about the center of the driver when that center is in the vertical plane of the head stock and means for sliding the frame in said plane along a line parallel to the straight guide when it is in said vertical plane.

2,568,041
GARBAGE RECEPTACLE
Charles F. Van Outrive, Chicago, Ill.
Application December 1, 1947, Serial No. 788,977
1 Claim. (Cl. 220—18)



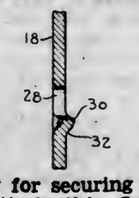
In a garbage receptacle, the combination of a pair of spaced upwardly extending supports, a cross member connecting the upper ends of said supports together, a container tiltably and removably mounted between said supports and having an open upper end, means for supporting said container in a substantially vertical position wherein said cross member extends substantially centrally over its open upper end and separates the same into a pair of individually accessible openings, a pair of individually openable covers hinged to said cross member and adapted to extend to opposite sides of said supports so as to rest on the upper edge of said container and close the respective openings, and stop means for supporting one of said covers in the absence of said container under the same, the second cover being swingable to a position wherein it rests on the cover supported by said stop means.

2,568,042
HYDRAULIC PRESS
Vladimír Vltavský, Prague, Czechoslovakia
Application December 22, 1947, Serial No. 793,069
In Germany December 30, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 30, 1961
5 Claims. (Cl. 18—30)



1. An injection molding press comprising a supporting frame, a molding die carried by said frame, a pressure cylinder mounted on said frame opposite said die, a double-acting piston in said cylinder, a companion die carried by said piston and movable thereby into and out of engagement with said first mentioned die, a pair of pressure cylinders mounted on said frame, strain rods extending through said cylinders and having double acting pistons thereon operating in said cylinders, an injection cylinder carried by said strain rods at one end thereon and facing said dies, a pressure cylinder carried by said strain rods at the other ends thereof, a double acting piston in said last cylinder and which carries an injection plunger for said injection cylinder, a source of fluid pressure, and fluid pressure connections to opposite ends of each of said cylinders arranged successively to shift the movable die into closing position, move said injection cylinder into engagement therewith and move the plunger into the injection cylinder, and to reverse the sequence for a complete molding cycle.

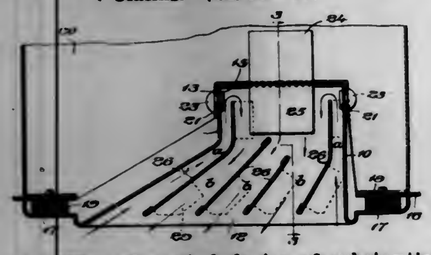
2,568,043
BARBED FASTENING PRONG
Robert S. Wagner, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 9, 1948, Serial No. 37,938
1 Claim. (Cl. 85—11)



A barbed prong for securing devices to wood comprising a relatively thin flat metal body, a

round aperture through said body, a portion of the metal of said body partly surrounding said aperture being formed to protrude beyond the side of said body with only one edge of said portion extending beyond said side to cause a portion of the interior wall of said aperture to present a curved wood-engaging surface for preventing withdrawal of said prong, the metal between said surface and the side of said body sloping gradually out from said side to permit said prong to be easily inserted.

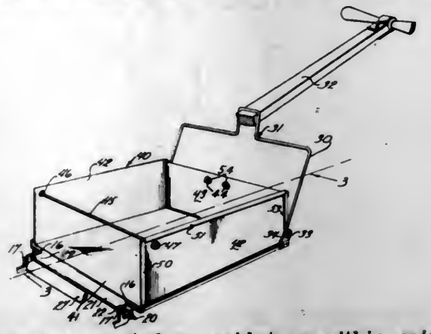
2,568,044
AIR DELIVERY DEVICE FOR VENTILATING APPARATUS
George R. Wallen, New York, N. Y., assignor to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application December 30, 1948, Serial No. 68,187
7 Claims. (Cl. 98—40)



5. A narrow elongated device of substantially uniform cross section throughout its length for delivery of air from an air supply duct into an enclosure, said device being open at its bottom for flow of air therefrom and comprising a top wall, an inner side wall, an outer side wall inclined downwardly and outwardly relative to said inner side wall, downwardly and outwardly inclined plates in the lower portion of said device spaced from each other and from the side walls of the device to divide air flowing downwardly through the device into a plurality of separate streams and to deflect the streams laterally outward from the device, said top wall having therein at points spaced apart along and substantially throughout its length openings for inlet of air to the device, a valve plate substantially coextensive in length with said top wall superimposed upon said top wall and slidable longitudinally with respect thereto and having therein at points spaced apart along its length openings for alinement and disalinement with and from the openings in said top wall to regulate the amount of air flowing through the device, and an element depending from said valve plate between said side walls for effecting sliding adjustments of said valve plate.

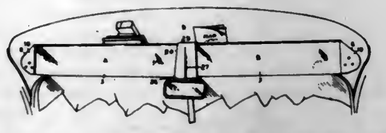
2,568,045
GRASS CATCHING ATTACHMENT FOR LAWN MOWERS
Ray H. Weisert, Redland, Calif.
Application October 15, 1948, Serial No. 54,627
1 Claim. (Cl. 56—202)

A grass catching attachment for a lawn mower having roller attaching brackets and a tongue comprising a supporting tray having a bottom wall provided with a sleeve formation along its front edge and upstanding flanges disposed one along each side edge and one along the rear edge thereof, said bottom wall having cutaway front corners to receive the roller attaching brackets of an associated lawn mower, a rod rotatably received in said sleeve formation and extending therethrough, said rod having screw-threaded end portions adapted to engage the roller mounting brackets of an associated lawn mower, nuts threaded onto the screw-threaded end portions of said rod for locking the rod to an associated lawn mower structure, a bail having its legs pivotally connected at their ends to the tray at the rear end of said bottom wall and at respectively opposite sides of the latter, said bail having an extension substantially at its mid-length location for receiving a lawn mower tongue, and a



receptacle supported on said tray within said flanges and including a bottom wall, side walls extending from said bottom wall and extending one along each side edge of the latter, a rear wall upstanding from and extending along the rear edge of the bottom wall, the front end of said receptacle being open, a rod extending between and interconnecting said side walls at the upper front corners thereof, and a handle secured to said rear wall and extending rearwardly therefrom for lifting said receptacle over the rear flange of said tray and moving the receptacle rearwardly from the tray between the rear legs of said bail.

2,568,046
SHELF FOR VEHICLE BODIES
Theodore R. Wilkinson, St. Petersburg, Fla., assignor, by direct and mesne assignments, to Wilkinson-Gresh, Inc., St. Petersburg, Fla., a corporation of Florida
Application September 15, 1949, Serial No. 115,799
7 Claims. (Cl. 224—42.45)

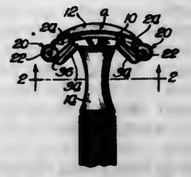


7. A shelf for a vehicle body provided with a wall constituting a connection between the roof and front of the body, comprising a base portion having an angular flange connected thereto, the base having at its edge bowed means corresponding to the bowed wall for contact matching therebetween, and flange means adjacent the opposite ends of the base forming fastening extremities for attaching said shelf to the said wall.

2,568,047
SAFETY RAZOR
Harold C. Anderson, Chicago, Ill.
Application September 30, 1948, Serial No. 52,061
5 Claims. (Cl. 30—34)

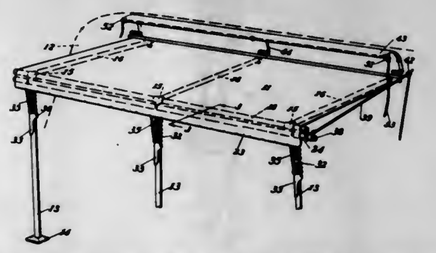
1. A combination with a safety razor comprising a razor blade and a holder in which the blade

is stationarily secured; of a guard roller mounted on the holder for rotation and axial reciprocation in advance of the cutting edge of the blade and provided with ribs on its periphery each having circumferential sections of opposite helical pitch for urging the skin back and forth along



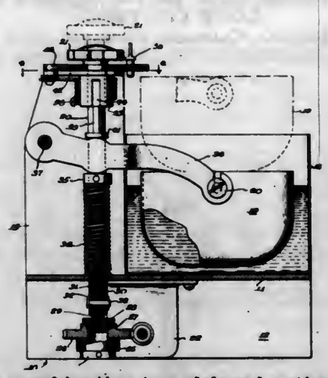
said cutting edge during rotation of the roller, and means between the holder and the blade for axially reciprocating the roller during rotation of the roller, the helical pitch of the ribs and their axial movement acting cumulatively in urging the skin back and forth along the cutting edge of the blade.

2,568,048
CONTRACTIBLE AWNING
Elby N. Arnold, Lawndale, Calif.
Application April 14, 1949, Serial No. 87,544
2 Claims. (Cl. 135—5)



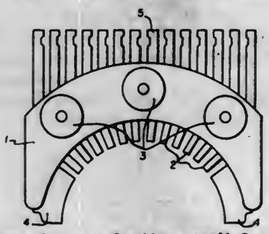
2. An awning of the type described, comprising: a supporting frame, including vertical members spaced laterally from a structure and horizontal members interconnecting the upper ends of said vertical members and said structure; a flexible awning of sheet form; means for securing the inner longitudinal edge of said awning to the supporting structure; an elongate member of a length substantially equal to the length of said awning; means for permanently connecting the elongate member to said awning adjacent the outer longitudinal edge thereof; connector means spacedly carried by said awning adjacent the outer longitudinal edge thereof; connector means carried by said vertical members adjacent the upper ends thereof; and resilient means normally urging said last named connector means downwardly of said vertical members, said last named connector means being releasably engageable with said first named connector means for resiliently holding said awning in a fully extended position overlying the horizontal members of said frame; said awning, upon disengagement of said connector means, being adapted to be wound upon said elongate member as the same is revolved, the awning as it is wound upon said elongate member carrying the latter member and the portion of the awning wound thereon over said horizontal members to a position in which the elongate member and the awning wound thereon is adjacent said supporting structure.

2,568,049
COOKING UTENSIL
Edward R. Barrett, Chicago, Ill., assignor to Frederick E. Hummel, Chicago, Ill.
Application October 31, 1947, Serial No. 783,343
4 Claims. (Cl. 161—1)



1. The combination in a delayed-action device, of a shaft, power means for rotating said shaft at a constant speed in a given direction, a clutch operative to couple said shaft to said power means, said shaft being movable axially in a given direction to engage said clutch and movable in the opposite direction to disengage said clutch, an index member concentric with said shaft and rotatable through a predetermined angle between a normal position and an alternate limiting position, means for selectively varying said predetermined angle, a spring biasing said index member toward its normal position, said index member being operative to hold said shaft in clutch-engaged position except when said shaft is in a certain rotative relation to said index member, and a spring biasing said shaft toward axial movement in said opposite direction.

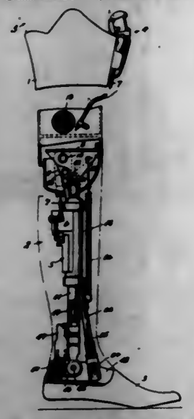
2,568,050
ROTARY SELECTIVE SWITCH
Ernest Alfred Bryan, Bexley, England, assignor to Siemens Brothers & Company Limited, London, England, a British company
Application August 6, 1947, Serial No. 766,793
In Great Britain April 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 5, 1966
3 Claims. (Cl. 179—27.51)



1. For use in a selecting switch, a wiper assembly consisting of a plurality of wipers mounted in spaced relation, a plurality of arcuate moulded contact units, each unit having a series of contacts for cooperation with one of said wipers, integral spacing bosses on at least one of the surfaces of each of said units, and shaft means for clamping said units together in such a manner that the spacing between adjacent units and

therefore the alignment of said contacts with said wipers is determined by the size of the bosses on said units.

2,568,051
ARTIFICIAL LEG (THIGH MUSCLE KNEE LOCK CONTROL)
John G. Catranis, Syracuse, N. Y.
Application October 10, 1947, Serial No. 779,011
15 Claims. (Cl. 3—2)



1. A control for artificial legs which includes a stump socket, a lower leg hinged to the socket by a knee joint, a knee lock and brake, which knee lock and brake includes an actuator member; the control including a muscle actuated mechanism carried by the socket in position to receive motion from the quadriceps extensor tendon during the tensioning and relaxation of the thigh muscles, and motion transmitting means between the muscle actuated mechanism and the knee lock and brake actuator.

2,568,052
CONTROL VALVE
John G. Catranis, Syracuse, N. Y.
Application October 17, 1947, Serial No. 780,363
1 Claim. (Cl. 137—139)



A throttle valve including a body formed with passages through which a fluid passes in either direction, and a valve chamber connecting said passages, a valve in the chamber and movable in opposite directions to closed and open positions and operating means for the valve operable to close the valve upon the initial closing movement of the operating means, a spring embodied in the operating means to yieldingly retard the operation of the valve to closed position, the valve including two axially alined members, to one of which the operating force is applied, the second member extending axially in advance of the former member and having a head movable into and out of closed position, cushioning means between said members, said members being provided with opposing balanced pressure faces presented to the fluid in the chamber, and an unbalancing pressure face on the head exposed on the interior of the chamber to the pressure therein when the head is closed to receive pressure to open the valve against the spring of the operating means when the force of the spring of the operating means is less than the pressure applied to the unbalancing face when the valve is closed.

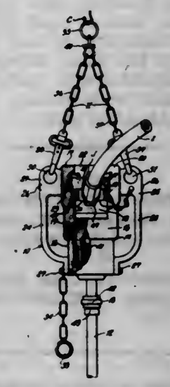
2,568,053
KNEE LOCK MECHANISM FOR ARTIFICIAL LEGS
John G. Catranis, Syracuse, N. Y.
Application October 7, 1948, Serial No. 53,200
2 Claims. (Cl. 3—2)



1. A self contained knee lock mechanism for artificial legs which comprises a stump receiving socket and a foot unit in which the foot is pivoted to the lower leg by an ankle joint, said mechanism comprising an upper support attachable to the lower end of the socket, a lower support comprising a bracket element attachable to the lower leg unit intermediate of the ends thereof, and a lever element pivoted to the bracket element, a frame link pivoted at its upper end to the upper support by a knee joint and at its lower end to the bracket element of the lower support, a hydraulic knee lock link pivoted at its upper end to the upper support eccentric to the knee joint, and at its lower end to one of the elements of the lower support, the hydraulic link comprising a throttle valve operable to different positions during the walking cycle, a motion retarding device connected between the upper support and the lever element of the lower support, and a link connecting the foot eccentric to the ankle joint and the lever element of the lower support.

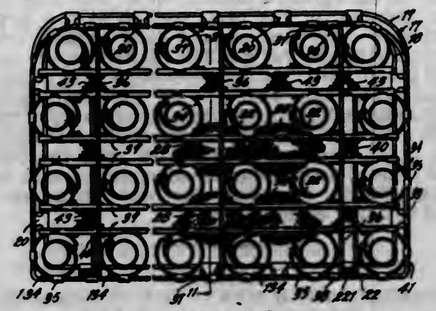
2,568,054
SUSPENDED CRIMPING TOOL
Jerome B. Clapp, North Plainfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application August 27, 1946, Serial No. 693,320
2 Claims. (Cl. 140—113)

1. An aerial device for use when suspended from an overhead support to crimp a ductile sleeve formed of conductive metal onto the ends of a pair of conductors hanging in space to form a catenary, said device comprising in vertically depending order a suspensory, a crimping tool adapted first to clamp the sleeve while being elevated into place and then to crimp the sleeve onto the conductors when inserted therein and a tail depending from the tool, said tool including an upstanding body whose upper portion forms a pair of upstanding arms constituting an open top yoke and whose lower portion forms a hydraulic cylinder, opposing faces of the arms forming the yoke provided adjacent their upper ends with a pair of inwardly facing opposing grooves, said yoke provided with a pair of outstanding apertured ears backing and tending to reinforce the part of the arms provided with the grooves, a pair of sleeve-clamping and deforming squeeze dies carried by the yoke in superposed relation, the upper die constituting a relatively fixed die forming a replaceable closure for the upper open end of the yoke, fitted between the grooves, guided by its engagement in the grooves for lateral displacement from the yoke and at all times restrained by the sides of the grooves from any movement in the direction of relative movement of the squeeze dies, a plunger slidably mounted in the cylinder and guided axially thereby, the lower die



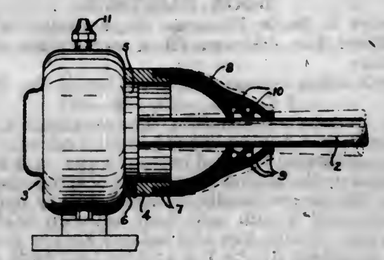
being a relatively movable die rigidly secured to the plunger to move therewith and guided thereby positively to and from the fixed die, one of the dies provided with a pair of pins projecting therefrom on opposite sides of the axis of thrust of the dies toward the other die and the other die provided with a pair of sockets in which the pins fit, whereby when the pins are free of their sockets the upper die may be removed from the yoke and when the lower die approaches the upper die sufficiently to have the pins intrude into their sockets the upper die is held immovably fixed to the yoke, said suspensory including two hangers adapted to depend from the support, straddling the upper end of the yoke with their lower ends detachably engaging the apertured ears whereby when the upper die is removed from the yoke and the connection between one of the suspensory hangers and its apertured ear is disconnected, the other suspensory hanger is operative to lower the tool away from the sleeve when held in space by the catenary, and said tail constituting a hose connected to the lower end of the cylinder for supplying actuating power thereto, said hose depending freely from the body and acting as a loaded tail tending to maintain the tool and its suspensory substantially fixed in an upstanding vertical position when suspended from the overhead support.

2,568,055
CUSHION ASSEMBLY WITH AUXILIARY REINFORCING SPRING
William A. Clark, Detroit, Mich., assignor to L. A. Young Spring & Wire Company, Detroit, Mich.
Application January 5, 1948, Serial No. 508
7 Claims. (Cl. 155—179)



6. A cushion or the like adaptable for various service requirements comprising a preformed spring structure built to meet anticipated load conditions and including a base having spaced apart bars, a covering arranged over said spring structure, said spring structure including a plurality of main coil springs and resilient connections for the top coils thereof, said body springs and resilient connections supportingly coacting with the covering, said main body springs being arranged on the base so as to leave a plurality of spaces below said resilient top coil connections and extending from the base to said covering, each space being defined by a plurality of body springs, and at least one auxiliary spring enclosed in a pocket, each auxiliary spring being disposed in one of the spaces defined by the body springs and extending from the base to and in supporting relation to said resilient top coil connections, each auxiliary spring having been introduced into the cushion structure by passing the auxiliary spring sidewise between adjacent bars and into the space occupied thereby while in collapsed condition permitting expansion of the auxiliary spring into the space to which it is so introduced, the bottom coil of the auxiliary spring being in supported relation to the base and being connected to the bottom coil of at least one adjacent body spring.

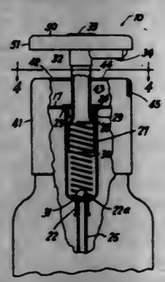
2,568,056
BEARING SEAL
Ishmael W. Corder, Iowa Park, Tex., assignor to Thompson Tool Company, Iowa Park, Tex., a copartnership
Application February 11, 1947, Serial No. 727,883
5 Claims. (Cl. 288—2)



1. A seal for performing a sealing action between a non-rotating and a rotating element, a

collar adapted to interfit with said non-rotating element in sealing relation and having a rubber-like material bonded thereto and therearound which rubber-like material forms an axially outward extending hollow neck portion that converges radially inward to form a sealing action with said rotating element, said neck portion extending outwardly a distance of at least one-half the diameter of the neck portion at the larger end, said outer end of said neck portion being flexible laterally for yielding relative to the normal axis of said rotating element so as to perform a sealing action therewith at different angular positions, and said neck having a plurality of ribs, with grooves formed therebetween, formed within the inner diameter of said neck near the outer end thereof with the inner diameter of said ribs being slightly less than the outer diameter of said rotating element.

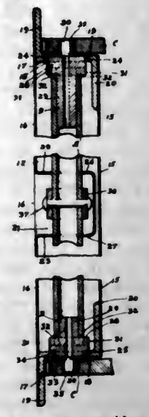
2,568,057
ATOMIZER WITH MEANS FOR CONCEALING PLUNGERS AND NOZZLES
William A. Cotter, New York, N. Y., assignor to Cotter Manufacturing Co., Inc., New York, N. Y.
Application August 20, 1948, Serial No. 45,297
6 Claims. (Cl. 299—97)



1. An atomizer construction comprising a support, atomizing means mounted on said support and including a reciprocable member having a portion projecting above said support, a nozzle on the projecting portion of said reciprocable member extending at an angle thereto, resilient means for urging the reciprocable member in one direction, said reciprocable member being adapted to be moved in the opposite direction to a predetermined position, means on said support engageable with said nozzle to retain said member in said position and fixed means on said last mentioned means engageable with the outer end of said nozzle to seal the opening therein when said member is in said position.

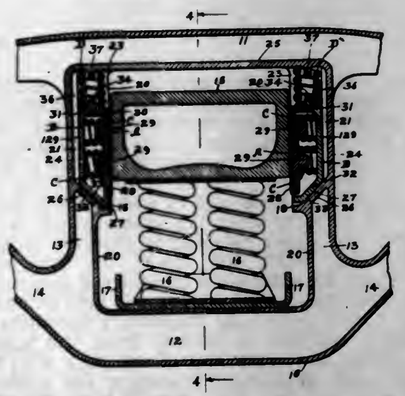
2,568,058
DOOR FASTENER
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application January 13, 1947, Serial No. 721,708
3 Claims. (Cl. 189—46)

1. In door construction, the combination with a hinged door having spaced inner and outer walls and horizontal top and bottom walls, said top and bottom walls having cylindrical bearing openings; of a tubular, vertically disposed, rotary operating bar housed within said door between said inner and outer walls; top and bottom keeper engaging end members at the top and bottom ends of said bar, each end member having a shank portion telescoped within the corresponding end of said bar, said bottom keeper engaging member having an enlarged portion outwardly of said shank resting on top of said bottom wall of the door and having a cylindrical bearing projection extending from said enlarged portion of smaller diameter than the latter journaled in the bearing opening of said bottom wall, said tubular operating bar



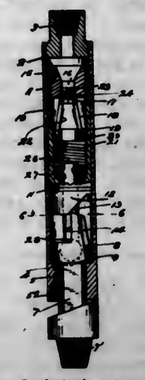
resting on said enlarged portion of said bottom keeper engaging member, said top member resting on the upper end of said tubular operating bar and being journaled in the bearing opening of the top wall of the door; interengaging means on said end members and bar for locking the same against relative rotation; and a lever on said bar for rotating the same.

2,568,059
SNUBBED BOLSTER TRUCK
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 17, 1949, Serial No. 121,788
4 Claims. (Cl. 105—197)



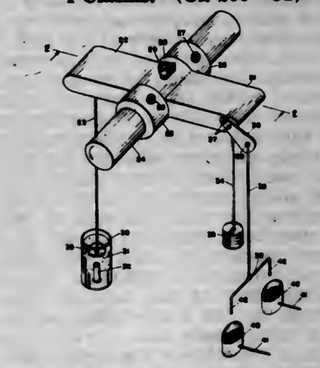
2. In a railway car truck, the combination with side frames provided with bolster guides, a truck bolster, and springs supporting said bolster on the truck side frames between said guides; of pockets in each side frame at opposite sides of the bolster at said bolster guides; a friction shoe in each of said pockets bearing on the corresponding side of the bolster; spring means bearing at one end on said shoe and pressing it against the bolster; a member in each pocket bearing on the other end of said spring means; and spring actuated means wedging said member against said spring means for tightening said spring means against said shoe as wear occurs on the engaging portions of said bolster and shoe.

2,568,060
JAR SHOULDER KNUCKLE JOINT
William H. Dumble, Bakersfield, Calif.
Application June 2, 1945, Serial No. 597,222
8 Claims. (Cl. 294—86)



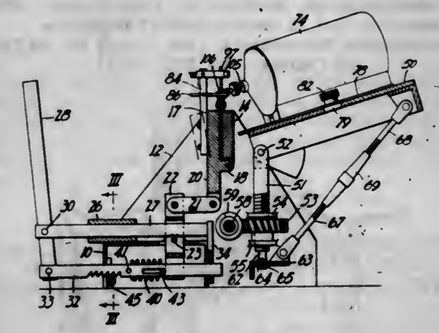
1. A fishing tool joint assembly including a shell having an open lower end and an internal, annular jarring shoulder adjacent to its bottom, a tumbler having a body part including a tool pin and a head joined by a reduced neck confined by the pin and the head against axial shift and being guided and laterally tiltable in the lower end of the shell and said head lying flat on said shoulder under load tension on the assembly and the head fulcruming on one side of the shoulder during tilting action, said tool pin being rigid with the lower end of the body and extending below the shell, and means in the shell for tilting the said head off the shoulder; the lower end of the shell including an elongate, parallel wall bearing below said shoulder in which the tumbler body part oscillates and by which the tumbler is rotated with and by the shell.

2,568,061
ROTARY SHAFT DRIVEN TAPPET
Quentin J. Evans, New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application October 27, 1947, Serial No. 782,448
4 Claims. (Cl. 200—34)



1. A tappet driven by the rotation of a shaft to operate a device a short time from the instant the shaft is at a dead stop which comprises, in combination, a sleeve bearing carried on said shaft and freely rotatable thereabout, a pair of arms mounted rigidly on opposite sides of said bearing, one of said arms being adjustably heavier than the other of said arms for causing rotation of said bearing in a direction opposite to the direction of rotation of said shaft, means for transmitting the torque developed by the rotation of said shaft to said bearing consisting essentially of a liquid film between said bearing and said shaft, a stop to limit the rotary movement of said bearing to less than one revolution, a damper for smoothing the movement of said bearing and means for transmitting the movement of said bearing to said device.

2,568,062
CHAIN SAW GRINDING MACHINE
Dudley R. Fitch, Ransomville, N. Y.
Application June 6, 1950, Serial No. 166,370
11 Claims. (Cl. 76—37)

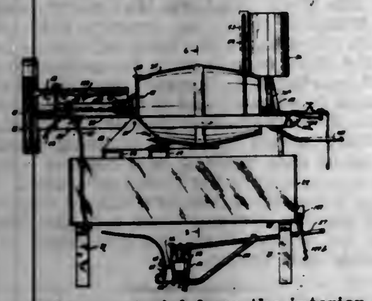


1. Chain saw grinding apparatus comprising a pair of parallel longitudinal guide bars, releasable clamp means for securing a chain saw between said guide bars, a motor table adjacent to the guide bars, means pivoting said table about an axis parallel to the guide bars at the edge of said table toward the guide bars and for securing the table in adjusted angular position relative to the pivoting means, means mounting the table, the pivoting means and said securing means for joint bodily vertical adjustment, a motor having a grinding wheel secured to its drive shaft, and means guiding said motor for lineal sliding movement on said table, said guide means being adjustable bodily along said table in a longitudinal direction and angularly in the plane of said table.

2,568,063
ABRASIVE SALVAGING APPARATUS
Lemuel M. Gilbert, Oaklyn, N. J., and Carl G. Derr, Philadelphia, Pa.
Application December 1, 1947, Serial No. 789,084
19 Claims. (Cl. 209—13)

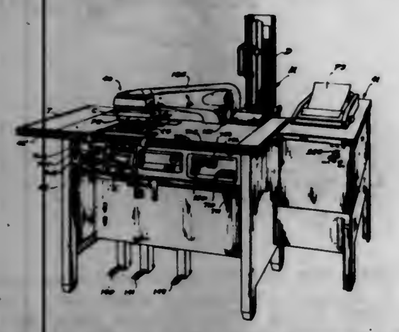
1. In an abrasive salvaging machine of the kind described and for use with a stone cutting machine, in combination, means connected to and receiving abrasive residue from said stone cutting machine, fluid pressure means connected to the means and effective to intermittently apply compressed air thereto, a container operably connected to the first-mentioned means and receiving the abrasive residue therefrom at intermittent intervals, a rotatable member connected to the container, a hopper in said rotatable member and

receiving salvaged abrasive particles from the rotatable member, and instrumentalities for re-



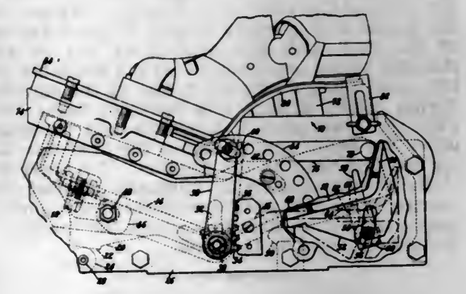
moving residue material from the interior of the rotatable member.

2,568,064
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application November 6, 1948, Serial No. 58,742
19 Claims. (Cl. 235—61.9)



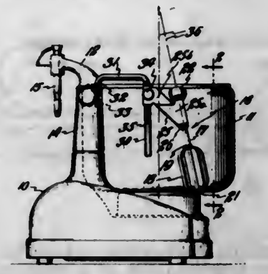
11. In a printing machine through which printing and control devices, each adapted to bear identifying means at one or more locations thereon and each adapted to bear printing means and data representations, are adapted to be passed one by one from a supply magazine to sensing and printing stations in the machine, a sensing head mounted for pivotal movement about a first axis through a sensing stroke toward a printing and control device located at said sensing station, means for positively actuating said head through sensing and restoring movements, a first means on said sensing head at the end remote from said first axis and operable in such a sensing stroke to sense the data representations on such a printing and control device, a secondary sensing frame mounted on said sensing head for movement therewith and for pivotal movement with relation to said sensing head and about a second axis parallel to said first means from a normal relation to different set positions, means on said sensing head for mounting at least one sensing pin in position to sense identifying means carried by such a printing device in a predetermined location and for movement relative to said sensing head when such identifying means are sensed, means on said secondary sensing frame disposed intermediate said axes and arranged to engage such a sensing pin to impart rocking movement to said sensing frame relative to said sensing head, a selector control arm connected to said sensing frame and extended therefrom in the general direction of said magazine, means acting on said arm in a restoring movement of said head to restore said arm and said sensing frame to their normal relation on said sensing head, a settable selector switch operatively connected to the end of said arm for setting movement thereby, control means including a timing switch in said machine and governed by the setting of said selector switch, a second arm pivoted on said frame adjacent to and parallel to said second axis and extended toward said first axis to a position over a point at which such a sensing pin may be mounted in said sensing head so as to be adapted for direct engagement and actuation by such a pin in a sensing operation, a lever connected to and extended in the other direction away from said magazine, and a control switch mounted in the path of said lever for operation thereby when said second arm is actuated by a sensing pin in a sensing operation.

2,568,065
PAD BOX
Helge Gulbrandsen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 23, 1949, Serial No. 128,934
5 Claims. (Cl. 12—38)



5. In a pad box, the combination of a pad for applying pressure to a shoe bottom, relatively movable members for supporting the forepart, shank and heel portions of the pad, means pivotally connecting the adjacent portions of said forepart and shank supporting members about an axis extending transversely of the pad, means supporting the outer ends of said forepart and shank supporting members for rocking and sliding movements, means for adjusting the heightwise position of said pivotal connecting means, means for supporting the forward end of said heel supporting member adjacent to but independently of said shank supporting member for rocking and sliding movements, means for vertically adjusting the rearward end of said heel supporting member comprising a cam by which the rearward portion of said heel supporting member is carried, a shaft extending transversely of said pad box carrying said cam, said heel supporting member having a depending portion provided with a downwardly and forwardly inclined slot the edges of which are engageable with said shaft for guiding the heel supporting member in its adjustments.

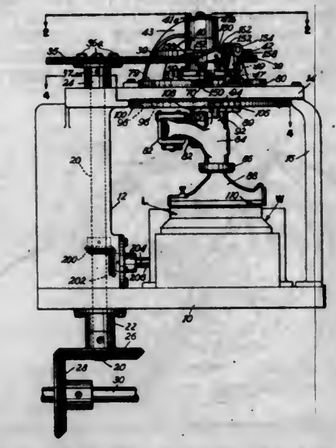
2,568,066
HOUSEHOLD APPLIANCE
Bror August Häggmark, Solna, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application December 10, 1947, Serial No. 790,816
In Sweden December 12, 1946
21 Claims. (Cl. 259—85)



1. In combination with a kitchen utility device having a base and an upright vessel mounted for rotation on said base about a vertical axis, of a rotary type beater unit adapted to beat in a separate receptacle a relatively small quantity of matter, such beater unit comprising rotatable shaft means, a beater head at the lower end of said shaft means, and a roller at the opposite extreme upper end of said shaft means which is axially removed from said beater head and capable of operating the latter when rotating movement is imparted thereto, an apertured member which receives and journals said shaft means at a region thereof which is between said roller and said beater head and disposed entirely above the latter, and structure including said apertured member for supporting said beater unit in an operative position in which said roller is in frictional engagement with the wall of the vessel to impart rotating movement thereto when the vessel is rotated, said supporting structure being so constructed and arranged that said beater unit in its entirety is disposed without the outer peripheral surface of the vessel when said roller is in frictional engagement therewith.

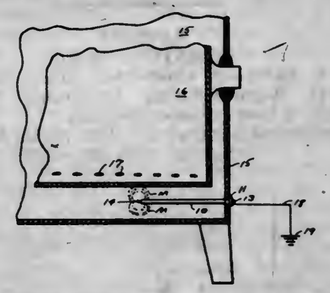
2,568,067
WRAPPER TRANSFER
Victor G. Hanson, Lynbrook, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application March 7, 1946, Serial No. 652,715
6 Claims. (Cl. 131—105)

1. In a cigar machine having mechanism for applying a wrapper to a cigar bunch, the combination with a wrapper carrier adapted to support a wrapper, of means for moving said carrier from a wrapper-receiving position to a wrapper-pasting position adjacent said wrapper-applying mechanism and then returning said carrier to wrapper-receiving position through a predetermined path along said wrapper-applying mechanism to permit application of the wrapper on said carrier to a cigar bunch in said wrapper-applying mechanism, said carrier moving means operating to stop said carrier momentarily at said wrapper-receiving and wrapper-pasting positions and including a rotatable member to which said carrier is connected, and a device for locking said carrier at said wrapper-receiving position and at said wrapper-pasting position, said locking device including a pair of arms rigidly connected to said rotatable member and movable therewith, detents carried by said arms to be successively moved to a predetermined position while said carrier dwells at wrapper-receiving and wrapper-pasting positions, a stationary member provided with a recess arranged to underlie each of said detents successively while said



carrier dwells at said wrapper-receiving position and at wrapper-pasting position, and instrumentalities for inserting each of said detents successively into said recess while said carrier dwells at wrapper-receiving and wrapper-pasting positions.

2,568,068
MAGNETIZED GROUNDING ELECTRODE
Webster B. Harpman, Youngstown, Ohio
Application December 23, 1949, Serial No. 134,691
6 Claims. (Cl. 175—264)

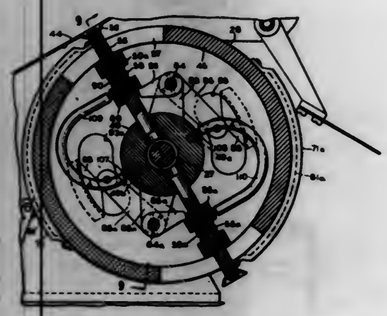


1. A magnetic grounding electrode comprising a hollow section of conducting material having at least one permanent magnet positioned partially therein and protruding partially therefrom, the poles of the magnet being spaced with respect to said conducting material, the magnetic field of which directs and deflects electrostatic currents to the said section of conducting material, and connection means for grounding the said section of conducting material to a suitable ground.

2,568,069
CARD TRANSFER MECHANISM
Theodore Z. Herr, Lancaster, Pa., assignor to American Greeting Publishers, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 16, 1948, Serial No. 21,452
7 Claims. (Cl. 271—29)

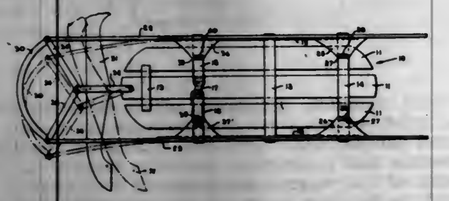
1. Card transfer mechanism for transferring a card from a receiving point to a delivery point

comprising means for supporting a stack of cards at said receiving point, a drum having its peripheral wall adjacent said card supporting means, means for rotating said drum, a rotatable sleeve within said drum, the peripheral wall of said drum having an aperture therethrough, card pickup means carried by said sleeve and rotatable therewith, means operatively connecting said sleeve and said drum and effective to cause rotary movement of said sleeve, momentary interruption



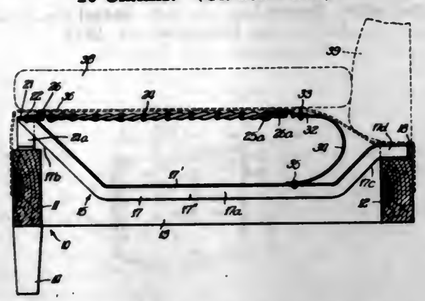
of said rotary movement, and then resumption of said rotary movement, means effective upon momentary interruption of rotary movement of said sleeve to cause a portion of said card pickup means to move outwardly through the peripheral wall aperture of said drum for contact with a card on said card supporting means, and means for temporarily retaining such contacted card on said card pickup means, to thereby enable such card to be transferred to said delivery point upon resumption of rotary movement of said sleeve.

2,568,070
COASTING SLED
Max A. Holbrook, Coldwater, Mich., assignor to Pratt Manufacturing Company, Coldwater, Mich., a limited copartnership
Application January 31, 1948, Serial No. 5,630
3 Claims. (Cl. 280—22)



1. A sled construction comprising a rigid frame, sled knees connected at their tops to said frame along each side thereof and at their bottoms to one of a pair of flexible runners disposed along each side of the sled, a pair of transverse aligned segments disposed in the forward portion of the sled which are pivotally attached at their outer ends to the sides of said rigid frame and which are pivotally connected at their inner ends by a link which is free of said frame, and steering means adapted to transversely move the forward ends of said runners to effect steering of the sled by bowing the forward portions of said runners and pivoting the segments about their pivotal axes on the frame.

2,568,071
SPRING SEAT CONSTRUCTION
Gustave P. Johnson, Waukegan, Ill.
Application April 25, 1946, Serial No. 664,905
10 Claims. (Cl. 155—179)



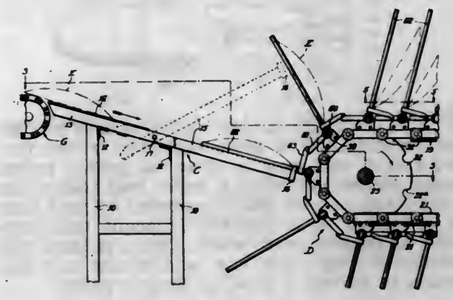
6. In a spring seat construction for chairs or the like, the combination of a chair frame having front and rear members adjacent to the front and back edges of the chair, a plurality of substantially parallel support bars adapted to extend fore and aft of the chair frame, each of said support bars being of T-shaped cross section, the rear ends of said support bars being tiltably received in vertical slots in the rear member of said chair frame whereby the front ends of said support bars can rise and fall around the rear member of said chair frame, said support bars having dropped intermediate portions, said dropped intermediate portions being effective to limit any fore and aft shifting movement of said support bars relatively to said chair frame by striking adjacent edges of the front and rear members of said chair frame, a front attachment bar secured to the front ends of said support bars, said front attachment bar having downwardly and inwardly curved leaf spring ends adapted to have yieldable mounting on the front member of the chair frame to afford a yieldable front edge for the spring seat construction, helical tension springs connected to said front attachment bar, a section of wire netting connected to said helical tension springs, said wire netting being of the chain-link type with the strands of said netting extending from side to side of the chair frame and interlaced together to provide axes of relative flexing movement extending transversely of said chair frame, helical tension springs connected to the rear edge of said wire netting, a rear attachment bar connected to said rear helical tension springs, and bowed leaf springs connected between said rear attachment bar and the dropped portions of said fore and aft support bars.

2,568,072
DENTURE TRAY
Arthur Jutras, Saint Hyacinthe, Quebec, Canada
Application June 16, 1950, Serial No. 168,588
4 Claims. (Cl. 32—17)



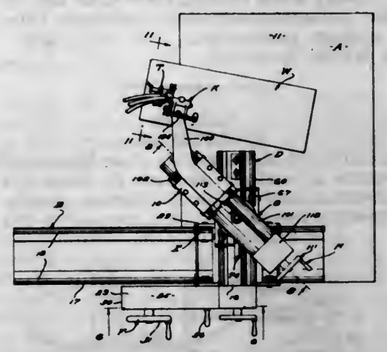
1. In a denture tray, a frame adapted to receive the gum, an outwardly and upwardly curved lower edge integral on said frame, and a flexible bottom adapted for attachment to said edge.

2,568,073
CONVEYER MECHANISM FOR DISKS AND THE LIKE
Ernst R. Koppel and Walter Bruce Caldwell, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 29, 1948, Serial No. 67,945
7 Claims. (Cl. 198—134)



1. A mechanism for conveying disc-like blanks on their edges through a draw furnace and the like comprising, a plurality of tracks extending through said furnace; chain carriers adapted to traverse said tracks; blocks secured to the links of said chains; recessed seats in the upper edges of said blocks; horizontal cross-members anchored in said seats and arranged transverse to said chain carriers; rows of elongate upstanding arms supported by said cross-members, said arms being inclined in the direction of travel of said chain carriers; bifurcated members on the portions of said arms which are adjacent said cross-members, said members projecting in a leading direction with respect to said chain carriers; and fingers on said cross-members alined horizontally with said bifurcated members and projecting in a trailing direction with respect to said chain carriers, each of said fingers being adapted during the travel of said chain carriers to be positioned in the bifurcations of the next trailing member thereby to provide support for the blanks standing between the rows of arms.

2,568,074
TORCH HANDLING APPARATUS
Ernie L. Launder, Montebello, Calif.
Application April 10, 1948, Serial No. 20,182
7 Claims. (Cl. 266—23)



1. A machine of the character described including an elongate horizontal base located at the front of the machine and extending parallel with the front of the machine, an elongate horizontal main carriage, means supporting said carriage on the base for movement therealong and to project therefrom toward the rear of the machine, operating means for said carriage including a manually engaged control at the front of the machine forward of the base, an upper elongate horizontal carriage, a pivotal mounting pivotally supporting the upper carriage on the main carriage and movable therealong, one end of the upper carriage extending toward the rear of the machine, operating means for shifting the pivotal mounting lengthwise of the main carriage including a manually engaged control at the front of the machine, a carrier mounted on the upper carriage for movement therealong, operating means for the carrier including a manually engaged control at the other end of the upper carriage, and a holder supported by the carrier.

2,568,075
CAP FASTENER FOR EXCAVATING BUCKET DIGGING TEETH
Ernie L. Launder, Montebello, Calif., assignor to H. & L. Tooth Company, Montebello, Calif., a corporation of California
Application November 4, 1949, Serial No. 125,521
5 Claims. (Cl. 37—142)

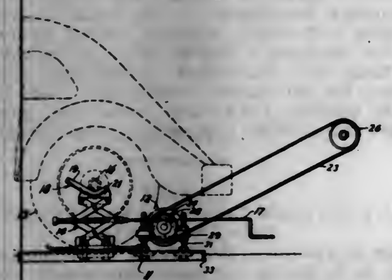


1. A digger tooth including, an elongate shank with an opening extending transversely therethrough between opposite sides thereof, a cap on the shank with side portions overlying the shank at the ends of the opening, the side portions of the cap having holes therethrough communicating with said opening, and a unitary retainer pin holding the cap on the shank and inserted in the opening and said holes, the pin including, elongated parallel sections with a body of rubber between and secured to the sections and substantially coextensive therewith, each pin section having a center portion and heads at the ends of the center portion establishing opposing shoulders on the section, one pin section having its center portion in the opening and bearing against the shank while its opposed shoulders engage said opposite sides of the shank at the ends of said opening, the other pin section having its heads in the holes in the side portions of the cap and bearing against said side portions of the cap, the body of rubber between the pin sections being under pressure and acting on the pin sections so the center portion of the first mentioned pin section bears in one direction on the shank while the heads of said other pin section bear in the opposite direction on the side portions of the cap.

2,568,076
POWER TAKE-OFF APPARATUS FOR MOTOR VEHICLES
Alexander Jay Lewus, Cicero, Ill.
Application December 30, 1946, Serial No. 719,188
6 Claims. (Cl. 74—13)

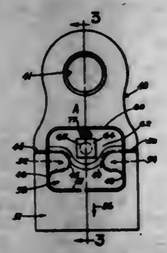
1. Power take-off apparatus including a base, adapted to rest in the vicinity of one wheel only

of a motor vehicle, a drum rotatably carried by the base and disposed to be engaged by the tire on said wheel, a pulley mounted to rotate with the drum for driving a belt, a conventional type of jack carried by the base and including a head, the upper surface of which includes a seat portion on which the axle of a car comes to rest and a portion forwardly thereof which is inclined downwardly and rearwardly toward the seat portion and the drum and is sturdily constructed to engage the axle of a car near the one wheel only and



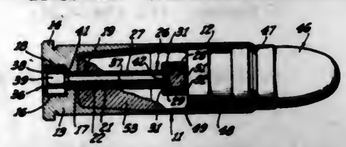
draw it rearwardly by a sliding movement along said sloping portion as the jack is raised, said head including stop means for limiting the rearward movement of the axle so that continued operation of the jack will raise or lower the axle to adjust the pressure of the tire on the drum; the entire inclined portion of the jack head being positioned within the zone of stability of the support for the jack, and jack operating means accessible from a position adjacent to the vehicle on the jack.

2,568,077
CENTRIFUGAL MILL HAMMER WITH RENEWABLE WEARING TIP
Frank J. Loufek, Cedar Rapids, Iowa
Application July 23, 1947, Serial No. 762,983
2 Claims. (Cl. 241—197)



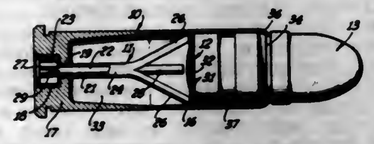
1. A hammer comprising a main body portion formed with an opening adjacent one end thereof, a dove tail portion formed at the opposite end of the main body portion, a hammer tip portion formed with a pair of forwardly facing tongues with curved ends, said tongues received in mating engagement with said dove tail portion, rectangular depressions formed in either side of the body portion and the hammer tip portion and overlapping the tongues and dove tail portion, plate like retaining means fitting the depressions in the body portion and the hammer tip portion, fastening means passing through aligned holes in the retaining plates and the body portion, and the portion of the retaining plate adjacent the fastening means being of lesser thickness than the remaining portion for protecting the ends of the fastening means from wear.

2,568,078
CARTRIDGE
Robert Edward McGahey, Jr., Los Angeles, Calif., assignor of one-half to Gene C. Holmes, Verne L. Holmes, and Millan H. Holmes, jointly
Application October 21, 1946, Serial No. 704,735
11 Claims. (Cl. 102—38)



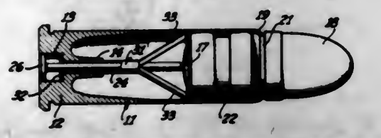
1. In a cartridge, a case having a base and an open forward end, a projectile fixed in the forward end of said case, a spherical primer pellet, tubular means including a pellet seat facing the forward end of said case supported by said base and extended to a position adjacent said projectile to support said pellet, and a striking pin extended through said base and means and into position to deliver a striking blow to pellet.

2,568,079
REFIRE ADAPTER FOR CARTRIDGES
Robert Edward McGahey, Jr., Los Angeles, Calif., assignor of one-half to Gene C. Holmes, Verne L. Holmes, and Millan H. Holmes, jointly
Application October 25, 1946, Serial No. 705,759
5 Claims. (Cl. 102—38)



2. In a cartridge of the type having a case with a primer pocket in its base connected through a flash hole to the interior of said case, a projectile positioned in the forward end of said case, a primer adjacent said projectile, and a charge of powder between said projectile and said base, a tube formed with a head seated within the pocket of said case and from which an integral stem extends through the flash hole into said case, a slidable pin including a head positioned within the tube head and a stem positioned within the tube stem and adapted to contact said primer upon being driven forwardly by a force exerted upon its head, characterized in that said tube stem closely seats in said flash hole and in that said pin includes means to expand said tube stem into sealing engagement with said hole upon being driven forwardly.

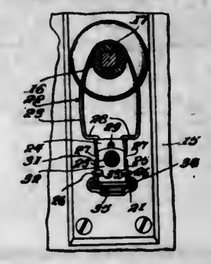
2,568,080
CARTRIDGE
Robert Edward McGahey, Jr., Los Angeles, Calif., assignor of one-half to Gene C. Holmes, Verne L. Holmes, and Millan H. Holmes, jointly
Application October 25, 1946, Serial No. 705,760
2 Claims. (Cl. 102—38)



1. In a cartridge, a case having a base formed with a central recess and an inwardly extending

tube connecting said recess with the interior of the case, a sleeve positioned in said tube and spread at its inner end to form struts, a firing pin slidably positioned in said sleeve and provided with a head positioned in said recess, a projectile mounted in the end of said case, a primer clamped between said struts and said projectile in a position to be contacted by the inner end of said pin, and a charge of powder between said primer and said base.

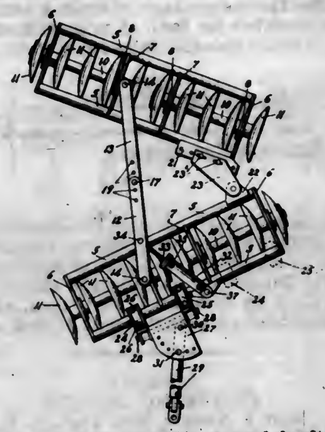
2,568,081
KEY RETAINING DEVICE
Leslie J. McKay, Orlando, Fla.
Application October 14, 1947, Serial No. 779,737
1 Claim. (Cl. 70—429)



A key retainer comprising a plate with folded side portions and a loop portion on one end thereof adapted to receive the open head of a key therein, a sliding latch plate slidably mounted on said first plate and adapted to slide over said loop and through the open head of said key for securing the open head in said loop, the folded side portions of said first plate having openings therein centrally thereof, a spring wire loop having its ends bent outwardly thereof at right angles thereto and the loop is provided with a shoulder inwardly of said ends so that the loop between the shoulders and the ends is positioned in the folded side portions of said first plate with the ends of the loop extending outwardly of the openings in the folded side portions, to prevent the axial displacement of the loop from the folded side portions, a finger piece secured to said latch plate outwardly of said first plate for the movement of said latch plate and a spring connected to the inner end of the said finger piece and said first plate for moving said latch plate with relation to said first plate into the open head of the key.

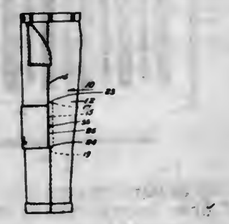
2,568,082
OFFSET DISK HARROW
William R. McKay, Compton, Calif.
Application March 21, 1947, Serial No. 736,333
2 Claims. (Cl. 55—81)

1. An off-set disc harrow including two rectangular frames of rigid construction, each frame having two spaced side members with connecting members at their opposite ends and intermediate their ends rigidly secured thereto to prevent torsion in said frames, supporting bearing members rigidly secured to said connecting members and depending therefrom with bearings in their lower ends, a shaft through said bearings in each frame, cutter discs on said shafts in spaced relationship, to function as a disc harrow, means pivotally and adjustably connecting two frames at one end, with their opposite ends free, toggle members on top of the connecting members intermediate the ends of said side members for connecting said free ends of said rectangular frames for movement to and from each other in different angular positions, hydraulic means connected with one of said toggle members near its anchored end for moving them to and from each other



to change their relative positions, and draft means adjustable on one of said frame members for hitching said disc harrow.

2,568,083
REMOVABLE KNEE PATCHES FOR PANTS
Kathryn E. Mitchell, Boise, Idaho
Application December 6, 1949, Serial No. 131,365
5 Claims. (Cl. 2—231)



4. A pair of pants having two legs, an outer and an inner seam extending on the sides of each of said legs, said seams having overlap portions which are adjacent the knee portions of said pants, four slide fastener halves positioned and concealed within said overlap portions, said slide fastener halves held in place by said seams, and a pair of knee patches constructed of the same material as said pants, each of said knee patches having a slide fastener half extending along each of its side edges, said knee patches adapted to be quickly and easily installed on said pants by attaching said slide fastener halves on said pants and patches together, said slide fasteners concealed within said overlap portions when said patches are in place, said patches adapted to be quickly and easily removed by separating said fastener halves.

2,568,084
MULTIPLE VARIABLE ORIFICE VALVE
Chester R. Mockridge, Nutley, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application December 20, 1946, Serial No. 717,357
15 Claims. (Cl. 277—39)

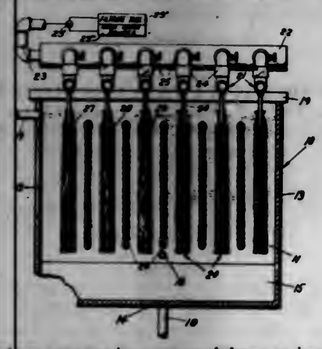
1. A multiple orifice pressure reducing device comprising a housing having a central chamber with inlet means and outlet means, a rotatable spool in said chamber having a plurality of spaced circular flanges with diameters substantially

equal to the diameter of said chamber, each of said flanges having a section removed to form an orifice for the passage of fluid, a semi-annular sealing member for each of said orifices and having a diameter substantially equal to the diameter



of said central chamber and the diameter of said spool pinned within said central housing on the high pressure side of said flanges and cooperating with the flanges for varying the effective size of said orifices by rotation of the spool, and means for preventing axial movement of said spool.

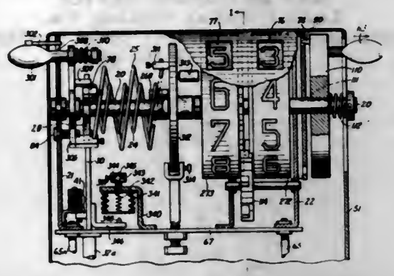
2,568,085
FILTERING DEVICE
John J. Naugle, New York, N. Y.
Application October 10, 1947, Serial No. 779,039
1 Claim. (Cl. 210—182)



Filtering apparatus comprising: a tank; a plurality of filter leaves; means for suspending said filter leaves in said tank; each of said filter leaves including a flexible internal structure and a porous bag enclosing the same; a plurality of scrubbing elements; means for suspending said scrubbing elements in said tank intermediate said filter leaves; a filtrate storage tank and a source of washing liquid; a main conduit selectively communicating with said filtrate storage tank and said source of washing liquid; and a plurality of auxiliary conduits removably coupled to said main conduit and communicating, respectively, with the interior of each of said filter leaves, whereby when said main conduit is communicating with said filtrate storage tank, filtrate from the interior of said filter leaves flows in one direction through said auxiliary and main conduits to said storage tank, and when said main conduit is communicating with said source of washing liquid, washing liquid flows in the opposite direction through said main and auxiliary conduits to the interior of said filter leaves to urge the porous bags thereof into contact with said scrubbing elements.

2,568,086
PRESSURE CONTROLLER
George V. Nelde, Berkeley, Calif.
Application March 26, 1945, Serial No. 584,864
2 Claims. (Cl. 50—35)

1. In a device for charging a receiver with compressed gas of a type having a conduit for connecting the source of compressed gas with a receiver to be filled, a valve for controlling flow of fluid through said conduit, a chamber communicating with said conduit and having an orifice in its wall, a member disposed within said orifice and movable from a first position into a second position in response to the changes in the gas pressure incident in said chamber, means for closing said valve in response to the movement of said movable member into said second position, and a device for controlling the value of gas pressure with which said member is moved into said



second position; said device comprising in combination: a first torsional spring, means movable for winding said first torsional spring, means for indicating the amount of movement of said movable means, and means for connecting said first torsional spring to said member for producing upon said member a force opposing said pressure induced movement of said member, a second torsional spring, means for connecting said second torsional spring to said movable member for producing upon it a force additional to that produced by said first torsional spring and settable means for removing the influence of said second torsional spring upon said movable member.

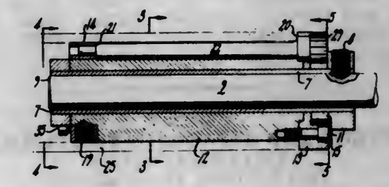
2,568,087
WELL EQUIPMENT
John S. Page, Long Beach, Calif., assignor to Page Oil Tools Inc., Long Beach, Calif., a corporation of California
Application April 19, 1946, Serial No. 663,560
19 Claims. (Cl. 166—12)



1. Apparatus for setting tubing in a casing including, a tubular body carried by and having

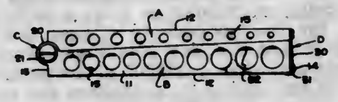
communication with the tubing and having a lateral passage, packing means carried by the body below said passage and including spaced elements set in the casing by pressure from within the body, grip means carried by the body and engageable with the casing and including a casing engaging element held by the packing means and an element cooperating with the casing engaging element and shiftable with the body, and a flow control for the lateral passage including a valve member carried by the body and shiftable relative thereto into and out of position where it closes the passage.

2,568,088
CHUCK
Morris Pedersen, San Francisco, Calif., assignor to Paterson Pacific Parchment Company, a corporation of California
Application November 18, 1949, Serial No. 128,114
3 Claims. (Cl. 279—2)



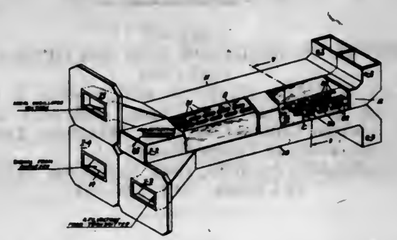
1. A chuck of the character described capable of gripping the inner surface of the tubular member comprised of a first member adapted to be rotated in a selected direction, a second member mounted for rotation about an axis concentric to the rotational axis of the first member and mounted about said first member, said second member being cylindrical and having spaced cylindrical receptacles therein extending longitudinally of the second member and opening onto the cylindrical surface of said second member to provide a narrow slot extending the length of said second member, cylindrical rotating gripping members disposed in said slots in the second member, said rotating gripping members having an axis of rotation substantially parallel to the concentric axis of rotation of said first and said second member, a pair of spaced flanges mounted on said second member and having said gripping members journalled therein, each of said gripping members having a gripping surface thereon substantially of the width of the narrow slot opening in the receptacle on which the gripping member is mounted and being movable between a first position wherein each of said gripping surfaces is in a plane substantially tangential to the outside cylindrical surface, and a second position wherein said gripping surface is in a plane substantially at right angles to said tangential plane, a solar gear mounted upon said first member with an axis of rotation substantially coincident to the axis or rotation of said first member, planetary gears mounted on said gripping members having an axis of rotation coincident with the axis of rotation of said gripping members, said solar gear and said planetary gear being intermeshed to rotate said gripping member in one direction upon relative rotation between said first and said second member in one direction and to rotate said gripping member in the opposite direction upon relative rotation in an opposite direction between said first and second member.

2,568,089
HOLDER FOR DRILLS OR THE LIKE
Walter A. Pendleton, La Crescenta, Calif.
Application February 14, 1947, Serial No. 728,653
3 Claims. (Cl. 211—69)



1. A holder for tools having shanks including, an elongate body having two longitudinal rows of shank receiving sockets in it from its top and divided longitudinally into two sections each with a row of sockets, means pivotally connecting the sections together at one end of the body, and means resisting withdrawal of tool shanks from the sockets including yielding gripping members held in channels formed lengthwise of the sections in communication with the sockets, the channels being in adjacent sides of the sections and being located opposite each other, the gripping members having portions normally projecting into the sockets and having portions normally projecting from the said sides of the sections to be in pressure engagement with each other when the sections are together.

2,568,090
BALANCED MIXER
Henry J. Riblet, Belmont, Mass., assignor to Raytheon Manufacturing Company, a corporation of Delaware
Application June 22, 1948, Serial No. 34,536
15 Claims. (Cl. 250—20)

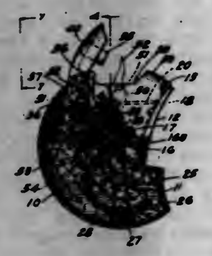


1. A transmission line circuit for mixing power at one frequency individually with each of two signals each at a frequency different from said one frequency comprising: first, second, third and fourth transmission line sections, each having an input end and an output end; first symmetrical directional coupler means between said first and second sections; second symmetrical directional coupler means between said first and fourth sections; third symmetrical directional coupler means between said second and third sections; said first coupler being nearer to the input end of said first section than said second coupler and nearer to the input end of said second section than said third coupler; and an individual mixer means connected to the output end of each section.

2,568,091
POCKET LIGHTER
Nicholas D. Sintetos, San Bernardino, Calif.
Application April 29, 1950, Serial No. 159,058
4 Claims. (Cl. 67—7.1)

1. In a lighter of the kind described, a casing having a periphery that is continuously circular

through more than a semi-circumference, said casing having a spacious depression in one side portion of its periphery, the bottom of said depression being made up of two casing wall portions, one of said two wall portions extending into the casing a less distance than the other and being positioned to form a part of a hand hold for the operator, a trigger overlying the other of said two wall portions, a pivot connecting one end of said trigger to the peripheral portion of the casing in a position for said trigger



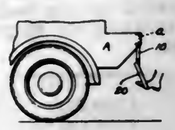
to have its opposite end portion inswung by the forefinger of an operator whose middle finger is overlying that one of said two wall sections which extends inwardly the lesser distance, igniting means carried by said casing and operatively connected with said trigger so as to be actuated by the manual inswinging thereof as aforesaid, and a spring carried by said casing and positioned to restore said trigger to normal outswung position after each aforesaid manually inswinging thereof.

2,568,092
SWIVEL CONNECTION FOR AIR OPERATED CHUCKS
Harry E. Sloan, Hartford, and George A. Highberg, West Hartford, Conn., assignors to The Cushman Chuck Company, Hartford, Conn., a corporation of Connecticut
Application April 25, 1947, Serial No. 743,784
13 Claims. (Cl. 285—21)



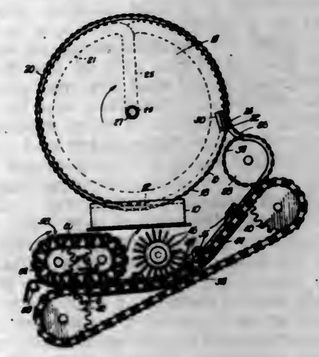
1. A swivel connection including a spindle having separate passages therein, a connecting housing swivelly secured to said spindle, a connecting block slidable in said housing, a plurality of parallel air passages in said block, means for communicating said passages with a supply of air pressure, a sealing member in the form of a disk of self-lubricating graphite material having separate openings therethrough communicating the passages in the connecting block with the passages in said spindle, and a spring member urging said connecting block in one direction for retaining said sealing disk under pressure between said block and said spindle to thereby seal said passages against leakage.

2,568,093
RETRACTABLE STEP
James Smid, Cleveland, and Ernest L. Single, Maple Heights, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo., a corporation of Missouri
Application April 2, 1949, Serial No. 85,242
9 Claims. (Cl. 280—164)



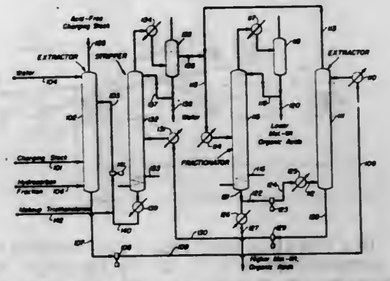
1. A retractable ladder comprising a pair of supporting arms, a pair of clips with inwardly curled edges pivoted respectively to said supporting arms, a stirrup having a tread and side arms, and strips secured to the side arms of said stirrup and having oppositely flaring edges which are slidable engaged within the inwardly curled edges of the clips.

2,568,094
METHOD AND APPARATUS FOR FORMING FILLED CAPSULES
Carl S. Smith, Flossmoor, Ill.
Application November 12, 1947, Serial No. 785,399
11 Claims. (Cl. 18—1)



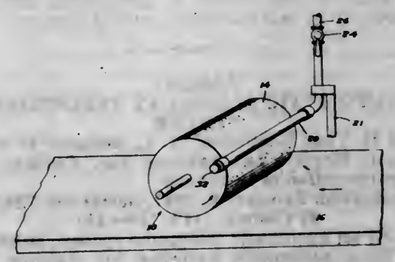
10. In an apparatus for making filled capsules having casting means for forming a continuous longitudinally folded strip of suitable encapsulating material having cavities therein at the folded edge opening within the fold, a plurality of conduits radially disposed about a hub member, means for conveying said strip into association with said conduits, means for rotating said conduits about said hub member in synchronization with the movement of said conveying means so that each conduit is inserted successively into the fold and moved into communication with one of said cavities in said strip for a short period, means for passing a predetermined amount of a desired fluid substance through said conduits into said cavities when said conduits are in communication with said cavities, means for sealing the edges of the openings of said cavities, and means for cutting said sealed cavities from said strip.

2,568,095
RECOVERY OF ORGANIC ACIDS WITH AN AMINE SOLVENT
Everet F. Smith, Chicago, and Vanderveer Voorhees, Homewood, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 29, 1949, Serial No. 90,288
10 Claims. (Cl. 260—450)



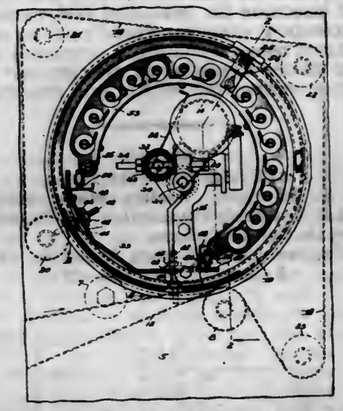
1. In a process for separating a water-immiscible organic acid from a water-immiscible organic solution comprised thereof, the steps which comprise extracting said organic acid from said solution at a temperature between about 10 and 60° C. with an aqueous extractant solution containing between about 5 and 25 percent by weight of a water-immiscible amine, heating the resulting extract to an elevated temperature above about 75° C. whereat liberation and stratification of said organic acid takes place, and separating and withdrawing said organic acid.

2,568,096
ABRADING OPERATION AND APPARATUS USEFUL THEREIN
John S. Stewart, Rock Island, Ill., assignor to Abrasive Products, Inc., South Braintree, Mass., a corporation of Massachusetts
Application February 7, 1948, Serial No. 6,888
5 Claims. (Cl. 51—262)



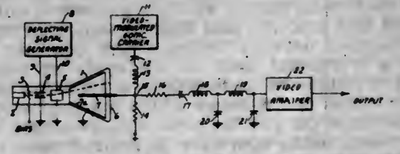
1. In combination with an abrading machine of the type adapted to continuously drive an abrasive surface through an endless closed path, that improvement for prolonging the cutting power of the surface so driven which includes a source of water vapor in the form of steam, a conduit for leading said steam to said machine, an apertured pipe connected to said conduit and extending across and closely adjacent to said endless path of movement for forcibly directing steam onto the abrading surface as it is driven and a longitudinally extending spiral baffle contained internally of said pipe to create turbulence and revaporization in a steam stream passing through said pipe to said apertures.

2,568,097
PRINTER AND CHANGEABLE LIGHT SOURCE THEREFOR
Warren L. Sullivan, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York
Application January 4, 1949, Serial No. 69,161
3 Claims. (Cl. 95—75)



1. In combination with a printer for photosensitive sheets having a rotatable transparent contact cylinder, a lighting device mounted within said cylinder, belt-like means covering a substantial portion of said cylinder whereby said sheets are brought into contact with the periphery of said cylinder to be printed therethrough, a light shield supported within the cylinder to bridge the uncovered portion thereof, spaced tracks on the margins of said shield extending parallel to the axis of said cylinder, an arcuate unit removably positioned between said lighting device and the inner surface of said cylinder, said unit including filter means for preventing rays of light in a given portion of the spectrum from passing through said cylinder, and spaced members on said unit engaging said tracks to guide said unit into and out of its position within the cylinder.

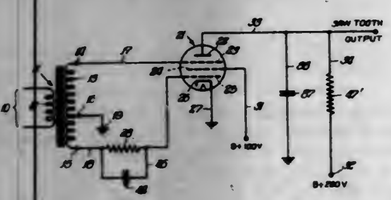
2,568,098
SIGNAL COMPARATOR EMPLOYING SECONDARY EMISSION APPARATUS
David E. Sunstein, Cynwyd, and Arthur H. Mankin, Philadelphia, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 17, 1947, Serial No. 722,580
4 Claims. (Cl. 250—27)



1. In a signal comparator, means for forming an electron beam, a secondary-electron emissive target screen, means for causing said beam to describe on said screen a trace normally recurrent at a predetermined frequency, a source of a signal consisting of frequency components within a predetermined first frequency range, means responsive to said signal to modify said trace and responsive to variations in said signal which are not periodic at said predetermined frequency to

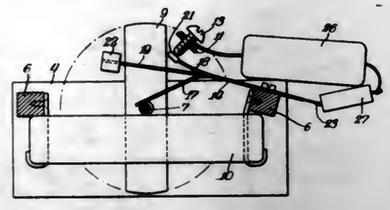
render said trace non-recurrent and to cause variations in the secondary emission from said screen comprising frequency components within a second frequency range external to said first frequency range, said last-named means comprising an electrode supplied with said signal and disposed in deflection-controlling relation to said beam and so as to intercept secondary electrons emitted from said screen, and means connected to said electrode for detecting said variations in the secondary emission from said screen, said last-named means including a frequency discriminatory device operative to discriminate against frequency components within said first frequency range.

2,568,099
PULSE GENERATOR
Ralph B. Townsley, Boston, Mass., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
Application April 15, 1946, Serial No. 662,127
8 Claims. (Cl. 250—27)



1. In a pulse generator, the combination of tube means comprising a cathode, an anode, and first and second grids controlling plate current flow therebetween, a plate circuit impressing plate voltage upon said anode, an input circuit connected with said first and second grids, means for impressing opposite phase sine wave voltages on said input circuit for causing said grids to function alternately in blocking plate current flow, said voltages being such that a pulse will be generated in said plate circuit substantially at the end of that alternation when said first grid has negative voltage and said second grid has positive voltage, pulse producing means connected in said plate circuit for generating in impulse in said plate circuit responsive to operation of said tube means, and pulse selecting means for preventing the formation of a pulse at the end of the other alternation when said first grid has positive voltage and said second grid has negative voltage, said pulse selecting means comprising a resistor and a condenser connected in parallel in a network interposed in series in that side of said input circuit which is connected only with said first grid and said input means, said resistor-condenser network having a time constant which is a fractional part of the cycle of said sine wave voltage so as to obtain a variation of voltage across said network which is a relatively large fractional part of the peak voltage across it, said network being operative to impress said voltage variation on said first grid during the latter position of said other alternation whereby the voltage impressed on said first grid is caused to leave the sine wave impressed on said network and become exponential at such point on the positive sine wave that its exponential decay will carry it below the cut-off value of said first grid while the negative sine wave impressed on said second grid is still below the cut-off value of said second grid.

2,568,100
VIBRATING REED TYPE DIRECT-CURRENT MOTOR
James M. Vanderleck, Toronto, Ontario, Canada, assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application August 20, 1949, Serial No. 111,550
In Canada May 28, 1949
14 Claims. (Cl. 172—36)

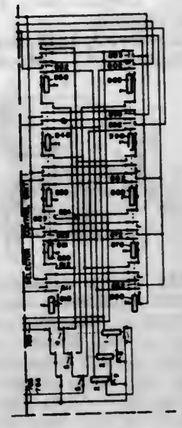


1. In a vibrating reed type direct current motor, the combination with a motor structure having a rotor, a cam rotated by said rotor and a field winding to impart rotative motion to said rotor, means for energizing the field from a direct current source at predetermined intervals having a substantially constant periodicity to provide a self-regulating motor having a substantially constant speed independent of variations in motor operating conditions, said means comprising a spring arm cut longitudinally from one end to provide three mutually coupled cantilever strips connected through common bases, one of said strips forming a cam follower resiliently engaging said cam, another of said strips being weighted to form a vibration control element having a predeterminable natural vibration period, the third of said strips forming a contact arm movable to make and break current flow to said field, said cam follower being operative to effect movement of said contact arm through and in accordance with the degree of relative rigidity of said mutual coupling to start the motor, said vibration control element being effective to transmit forces through said common base to said contact arm to control the speed of operation of the motor in accordance with the periodicity of said vibration control element.

2,568,101
AUTOMATIC ALL-RELAY TELEPHONE SYSTEM
John H. Voss, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 8, 1947, Serial No. 720,757
27 Claims. (Cl. 179—18)

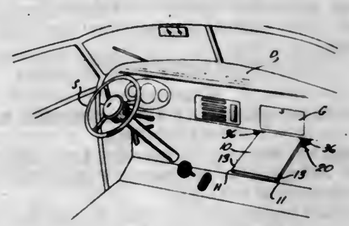
1. In an automatic telephone system, subscriber's lines, automatic switches for making connections between said lines, group and units relays in said switches, talking conductors incoming to each of said switches, switching stages into which said switches are divided according to rank and position in the establishment of a call, a control unit for each switching stage common to a plurality of switches in said switching stage, means for connecting said control units temporarily to a switch in each associated switching stage in response to the seizure of such switch by a calling line, means in said control units responsive to impulses received by said connected switches over the associated talking conductors for operating the group and units relays of said connected switches to complete a call, means for freeing said control units progressively, and

means for freeing any of said control units automatically after a given time interval in case a



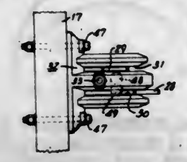
call is not completed promptly through the associated switching stage.

2,568,102
UTILITY BOARD AND RETAINING FRAME FOR AUTOMOBILES
Howard Weiss, Richmond Hill, N. Y.
Application September 15, 1949, Serial No. 115,802
3 Claims. (Cl. 311—21)



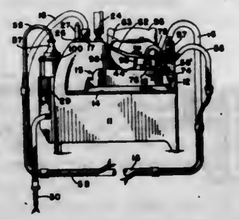
3. In a device of the class described for use in an automobile having a dashboard comprising a front panel spaced from the rear panel of the car by the floor panel of the dashboard, in combination, a utility board fabricated of shatterproof glass, a channel frame for said board presenting parallel sides and a rear channel, fasteners for securing the web of the rear channel to said rear panel of the car, a cross-brace disposed in underlying relation to the front ends of the side channels and turned upwardly at the webs of said channels to form upright flanges and turned outwardly to present horizontal flanges, means for securing said horizontal flanges of the cross-brace being slightly offset at the side channels to present the top surface thereof closer to the glass board, the underside of the glass board being provided with a centrally-disposed finger recess, said glass board having a pair of vertically-oriented grooves in its side edges aligned substantially centrally of said upright flanges of the cross-brace, and a pair of detent cups provided at said central points of said flanges, said detent cups comprising a ball retained at the open end of the cups and a compression coil spring within the cups urging the balls outwardly into engagement with said grooves of the glass board.

2,568,103
MECHANICAL INTERLOCK
James W. Woolf, Franklin, and John D. Russell, Victory Heights, Pa., assignors to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1946, Serial No. 685,268
11 Claims. (Cl. 74—483)



1. In a mechanical interlock for use on a panel between armatures of electromagnetic controllers having different functions in electrical circuits, the combination of a body mounted on the panel, a plurality of projections extending outwardly from the body and spaced from each other to form a plurality of slots, a blade for each slot mounted to occupy its respective slot to move with the armature of each controller and descend into its respective slot when the armature is energized, free body shiftable means having one dimension equal to the width of one slot and one projection, and means to support the shiftable means on an intermediate projection to block the entry of a blade into its slot when the adjacent slot is occupied by its blade.

2,568,104
PORTABLE STEAM GENERATOR AND STEAM IRON
Marshall B. Young, New York, N. Y., assignor to Floor-O-Matic, Inc., New York, N. Y., a corporation
Application January 28, 1948, Serial No. 4,741
1 Claim. (Cl. 38—77)



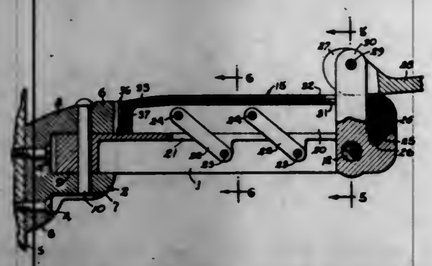
A portable steam generator and pressing iron connected therewith, the said steam generator comprising a water containing hollow body, an electrically energized immersion heater unit secured to the wall of the hollow body and extending into the water compartment of same to generate steam, a conductor supplying electrical energy to the immersion heater unit, a platform forming a part of the wall of said hollow body of the steam generator, a pressing iron adapted to rest upon said platform to receive preliminary heating from the generator, the said pressing iron having a steam channel therein and comprising a sole plate and a casing secured upon said sole plate, a flexible tube connecting the pressing iron to the steam generator adapted to supply steam to the steam channel in the pressing iron, an auxiliary electrically energized heating unit upon the pressing iron to superheat and dry the steam supplied thereto by the steam generator, and a conductor having connection with the electrical source to the steam generator to supply electrical current to the said auxiliary heating unit.

2,568,105
SHOULDER FRAME
Christine L. Zagata, Hawthorne, N. J.
Application June 20, 1950, Serial No. 169,161
5 Claims. (Cl. 2—268)



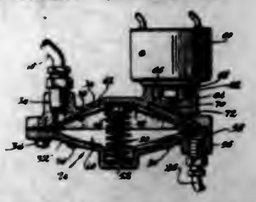
1. A shoulder frame adapted to be removably encased within a sheath carried within the shoulder of a garment and comprising a pair of substantially semi-elliptical members connected together at their marginal arcuate edges; said members being transversely curved and defining upper and lower members with the latter adapted to embrace the sloping shoulder of a wearer; each of said members having a transverse edge face spaced from the other between its ends to define an opening for effecting communication of a chamber, disposed between said members, and the atmosphere and for positioning said lower member outwardly and downwardly with respect to said upper member when the latter is disposed in substantial horizontality and said edge faces in substantial vertical alignment to thus elevate the shoulder of a garment and simulate the appearance of a square natural shoulder.

2,568,106
CAN OPENER
Edward Zumski, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application July 27, 1946, Serial No. 686,643
9 Claims. (Cl. 30—9)



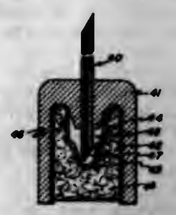
1. In a can opener, in combination, a wall bracket formed with a locking notch; a slotted main frame member mounted on said bracket for swinging movement; a slotted secondary frame member carried by said main frame member and movable longitudinally with respect thereto, the inner end of said secondary frame member being of proper size to engage said notch in said bracket; resilient means tending to separate said frame members; feeding means carried by one of said frame members; cutting means carried by the other frame member and adapted to coact with said feeding means; eccentric lever-type clamping means attached to one of said frame members, and adapted to move said secondary frame member against said main frame member and longitudinally into said notch for the purpose of simultaneously bringing said cutting and feeding means into operative engagement and locking said main frame against movement with respect to said bracket.

2,568,107
SAFETY FUEL SYSTEM FOR HEATERS
George W. Allen, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 3, 1948, Serial No. 47,567
13 Claims. (Cl. 158—28)



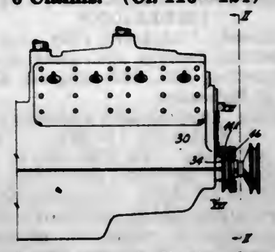
1. A fuel safety device comprising a flexible diaphragm, means enclosing one side of said diaphragm to form a chamber with said diaphragm forming one wall thereof, means enclosing the other side of said diaphragm to form a second chamber with said diaphragm forming one wall thereof so that when said diaphragm is displaced in one direction, said first chamber is enlarged in volume while the volume of the second chamber is reduced and when said diaphragm is displaced in the opposite direction the volume of the first chamber is reduced while the volume of the second chamber is enlarged, means forming a fuel supply connection to said first chamber, means forming a fuel outlet connection from said second chamber, resilient means for urging said diaphragm in the direction for reducing the volume of said first chamber, means providing an outlet connection for said first chamber in direct communication with the outlet to said second chamber, and valve means for controlling the flow through the outlet connection for said first chamber.

2,568,108
DISPENSING CLOSURE FOR STERILE LIQUID CONTAINERS
Raymond W. Barton, Evansville, Ind., assignor to Mead Johnson & Company, Evansville, Ind., a corporation of Indiana
Application September 28, 1949, Serial No. 118,383
4 Claims. (Cl. 128—214)



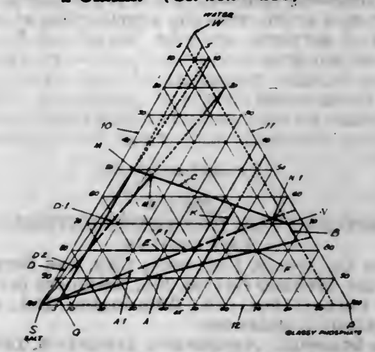
1. In apparatus for the intravenous administration of liquids, means for admitting air to a container provided with a sealed closure, said means comprising a hollow needle adapted to be passed through the closure, a filter holder including an outer cup shaped member of flexible material, an inner member having an inverted cup shaped bottom mounted in the outer member and providing an air chamber between the bottoms of said members, filter material in the inner member, said needle extending through the flexible outer member into said air chamber, the inner end of said needle being beveled and spaced from the filter holder, said inner holder member being apertured between said filter material and air chamber to admit filtered air into said chamber and needle.

2,568,109
MEANS AND METHODS FOR LOCATING AND INDICATING TOP DEAD CENTER ON ENGINES
Reginald R. Beezley, Memphis, Tenn.
Application May 5, 1947, Serial No. 746,068
6 Claims. (Cl. 116—124)



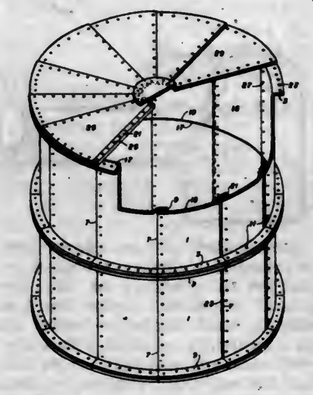
1. A top dead center indicator for an internal combustion engine which engine is one of a series of identical engines having a cylinder block, cap screws tapped into the front end of said block, reciprocable pistons, a crank shaft connected to said pistons and projecting beyond the front end of said block, and a pulley secured on said shaft in adjacency to said end; said indicator including a plate portion adapted to lie against said end and secured thereto by removal and replacement of a selected pair of said screws, a pointer portion integrally secured to and extending rigidly forward from said plate portion into overlying adjacency to the rim of said pulley, and an indicating mark carried by said pulley adapted for register with said pointer to designate a selected piston top center.

2,568,110
METHOD OF MAKING GLASSY PHOSPHATE DETERGENT COMPOSITIONS
Irving Belley, Providence, R. I., and Arthur H. Razee, Mansfield, Mass., assignors, by mesne assignments, to Hulman & Company, Inc., Terre Haute, Ind., a corporation of Indiana
Application October 28, 1946, Serial No. 706,114
1 Claim. (Cl. 252—135)



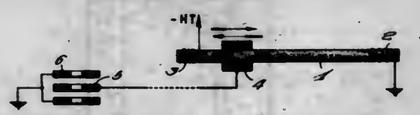
The process of making a detergent product comprising an indiscerptible mixture of uniformly dispersed glassy phosphate and detergent salt, which comprises bringing the glassy phosphate, while in water solution of about from 20% to 65% concentration, into intimate admixture with substantially hydratable, finely divided, sodium carbonate, the glassy phosphate content of the three component mixture being between about 5% and about 45%, the salt content being between about 20% and about 90% (anhydrous basis), and the water content being limited to give a solid product and not exceeding about 50%.

2,568,111
CORROSION-RESISTANT STORAGE TANK
Donald C. Bond, Northbrook, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application April 19, 1946, Serial No. 663,387
3 Claims. (Cl. 220—63)



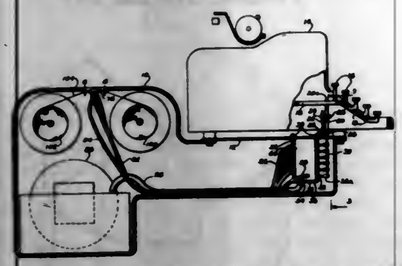
3. A tank for holding corrosive hydrocarbon liquids and accompanying vapors, brine and hydrogen sulfide as they occur in crude petroleum hydrocarbons, comprising a shell made up of a plurality of iron sections bolted together to form a unitary structure, a similar plurality of sections of flexible plastic coated and impregnated fibrous material, resistant to deterioration by said hydrocarbons and accompanying materials, conformed to the shape of said iron sections and being closely adhered to said iron sections with a thermoplastic material, whereby the fibrous sections form a substantially continuous protective inner lining protecting the iron sections of said tank against corrosion by the hydrocarbons and accompanying material contained therein.

2,568,112
VOLTAGE DIVIDER FOR VARIABLE MAGNIFICATION ELECTRON MICROSCOPES
Henri Bruck, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application January 13, 1948, Serial No. 2,075
In France December 24, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 24, 1966
2 Claims. (Cl. 201—48)



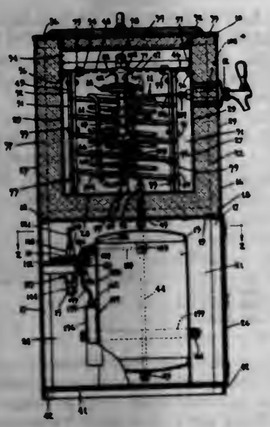
1. A voltage divider, particularly adapted for the feed of the electrodes of electrostatic lenses of electronic microscopes, comprising a movable part and a fixed part, the said fixed part consisting of a bar of semi-conducting material presenting a relatively high resistance comparable with the resistance between the electrodes of the electrostatic lenses and being fed at its ends by a high voltage source said movable part being in electrical contact with said fixed part on a length which is much smaller than the length of the latter.

2,568,113
SELECTOR DEVICE FOR AUTOMATIC TYPEWRITERS
Gustav F. Carlson, Chicago, Ill.
Application March 12, 1949, Serial No. 81,049
12 Claims. (Cl. 197—20)



1. A pneumatic action comprising a hollow box-like member defining a chamber adapted to be connected to a source of vacuum for maintaining said chamber under reduced pressure, the inside of said chamber being shaped so as to define a plurality of cells, a flexible diaphragm closing off each of said cells from said chamber, a conduit for each cell extending through a wall of said box-like member, a slot through a wall of said box-like member for each cell, a lever fulcrumed in each slot, and a flexible diaphragm attached about each lever at its fulcrum point and sealing said slot, said levers being movable about their fulcra in said slots under the influence of the diaphragms closing off said cells as air is selectively admitted to and withdrawn from said cells whereby said levers can be utilized to actuate selectively a mechanism having a plurality of members to be actuated.

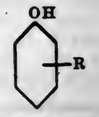
2,568,114
DISPENSING DEVICE FOR CARBONATED BEVERAGES
Richard T. Cornelius, Minneapolis, Minn.
Application August 10, 1944, Serial No. 548,816
4 Claims. (Cl. 225—21)



1. In combination, a faucet, a conduit for delivering a carbonated beverage under pressure to said faucet, a fixed flow restrictor in said conduit adjoining said faucet, an adjustable flow restrictor in said conduit adjacent said fixed flow restrictor and a pressure responsive operating device connected to said adjustable flow restrictor and varying the resistance offered thereby to the flow of carbonated beverage inversely as the pressure of the beverage in said conduit at a locality between said restrictors.

2,568,115
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1950, Serial No. 137,294
5 Claims. (Cl. 252—331)

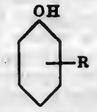
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier, including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble, low-stage phenol-furfural resin; said resin being derived by reaction between a difunctional monohydric phenol and furfural; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in the 2,4,6 position; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,568,116
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1950, Serial No. 137,296
5 Claims. (Cl. 252—331)

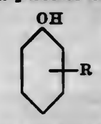
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier, including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of: (A) An alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, xylene-soluble, water-insoluble, acid-catalyzed, low-stage phenol-glyoxal resin; said resin being derived by reaction between a difunctional monohydric phenol and glyoxal; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 12 carbon atoms and substituted in the 2,4,6 position; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,568,117
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1950, Serial No. 144,031
4 Claims. (Cl. 252—342)

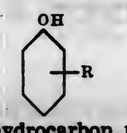
1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of: (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-isanic acid-formaldehyde resin; said resin being derived by a reaction involving approximately 2 moles of a difunctional phenol, one mole of isanic acid, and one-fourth to one-half mole of formaldehyde; said resin being formed in the substantial absence of trifunctional phenols; said phenol being of the formula;



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in the 2,4,6 position; said oxyalkylated resin being characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

2,568,118
OXYALKYLATED DERIVATIVES OF PHENOL-ISANIC ACID-FORMALDEHYDE RESINS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1950, Serial No. 144,032
4 Claims. (Cl. 260—19)

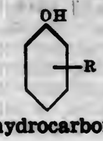
1. Hydrophile synthetic products; said hydrophile synthetic products being oxyalkylation products of: (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-isanic acid-formaldehyde resin; said resin being the condensation product of approximately 2 moles of a difunctional phenol, one mole of isanic acid, and one-fourth to one-half mole of formaldehyde; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin beirg characterized by the introduction into the resin molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 20; with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,568,119
PHENOLIC RESINS CONTAINING ISANIC ACID
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1950, Serial No. 144,033
3 Claims. (Cl. 260—19)

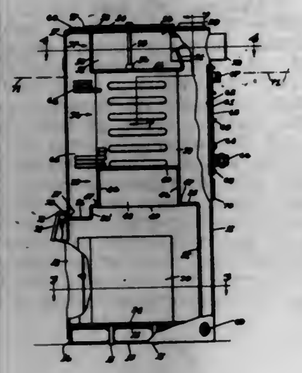
1. An oxyalkylation-susceptible, fusible, organic solvent-soluble, water-insoluble phenol-isanic acid-formaldehyde resin; said resin being the condensation product of approximately 2 moles of a difunctional phenol, one mole of isanic acid, and one-fourth to one-half mole of formaldehyde; said resin being formed in the substantial absence of phenols of functionality greater than two; said phenol being of the formula:



in which R is a hydrocarbon radical having at

least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para.

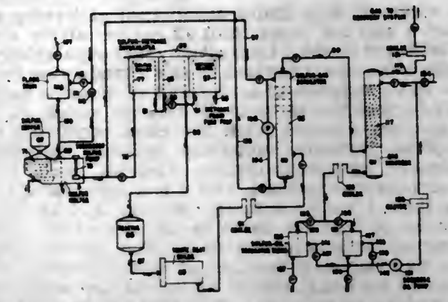
2,568,120
HEATING APPARATUS
Warren H. De Lancey, Springfield, Mass., assignor to Atlantic Development Company, Inc., Springfield, Mass., a corporation of Massachusetts
Application March 5, 1948, Serial No. 13,209
2 Claims. (Cl. 122—126)



1. A heating apparatus of the steam-producing type comprising, a boiler including a vertically disposed shell, top and bottom closure plates, a combustion chamber and a combined water and steam chamber formed respectively within the bottom and upper portions thereof, said top closure plate having a vertically disposed steam riser opening therein, a box-like gas-collecting chamber disposed within the water and steam chamber and adjacent the top closure plate so as to be surrounded partially by steam vapor, a substantially horizontally disposed stack tube connected with said gas-collecting chamber and extending therefrom through said water and steam chamber and out through the boiler shell, said stack tube passing directly beneath and across the steam riser opening and having its outer periphery spaced below the bottom of the riser opening a distance less than the width of the riser opening so that substantially all of the escaping steam will wipe over and about said stack tube, and a plurality of individual hollow gas-conducting flue elements connected with the bottom portion of said gas-collecting chamber and depending downwardly therefrom through said water and steam chamber for connection with said combustion chamber.

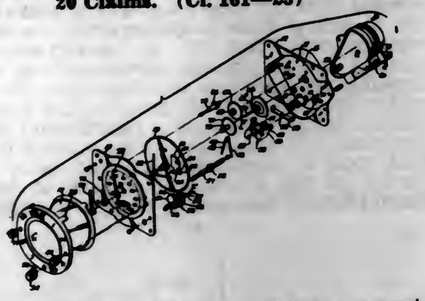
2,568,121
PREPARATION OF CARBON DISULFIDE
Hillis D. Folkins, Skokie, Charles A. Porter, Crystal Lake, and Elmer Miller and Harvey Hennig, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application March 18, 1948, Serial No. 15,664
5 Claims. (Cl. 23—206)

1. A process for preparing carbon disulfide comprising preheating natural gas low in C_3 and heavier hydrocarbons to a temperature above the boiling point of sulfur but below reaction temperature, vaporizing sulfur, mixing vaporized sulfur with preheated gas in such proportions that sulfur is present in an amount of about 10% to 50% by weight in excess of the stoichiometric amount required to form carbon disulfide and hydrogen sulfide with said gas, heating the mixture to a temperature sufficiently above reaction temperature to give an average reaction temperature under adiabatic reaction conditions approximately equal to the desired reaction temperature, contacting the heated mixture in an adiabatic reaction zone with a



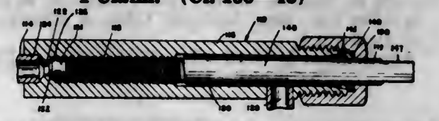
catalyst selected from the group consisting of silica gel, activated alumina, synthetic silica-alumina catalysts, catalytic absorptive clays and bauxite at a temperature of approximately 1075° to 1175° F. for a period of time sufficient to produce a substantial amount of carbon disulfide, cooling the reaction products to a temperature above the melting point of sulfur but below the temperature of viscous sulfur, contacting the partially cooled reaction vapors with molten sulfur to remove sulfur from said vapors and recovering carbon disulfide from said vapors.

2,568,122
INTERVAL TIMER
William P. Gallagher and Paul G. Bielik, Chicago, Ill., assignors to International Register Company, Chicago, Ill., a corporation of Illinois
Application March 29, 1950, Serial No. 152,545
20 Claims. (Cl. 161—23)



1. A timing mechanism comprising, a mounting, a motor driven element, a time wheel, means connecting said time wheel to said driven element to cause a complete revolution from a starting point in a predetermined period of time, said means including a clutch permitting said wheel to be rotated independently of said driven element, means for setting said wheel in any desired position away from said starting point to permit a subsequent rotation of said wheel by said driven element through a predetermined portion of a complete revolution, or through more than one revolution, ratchet means adapted to be preset for selectively obtaining a timing interval of less than an hour or more than an hour, pawl means carried by said time wheel and arranged to actuate said ratchet means once for a timing interval of less than an hour and arranged to actuate said ratchet means more than once for a timing interval of more than an hour, and a device activated by said ratchet means.

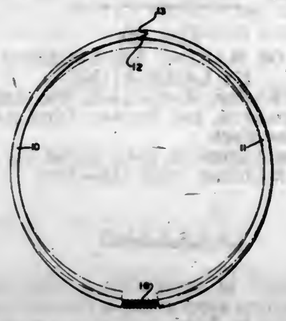
2,568,123
PRESSURE REDUCING DEVICE FOR REFRIGERATING APPARATUS
Herman M. Goldberg, Chicago, Ill., assignor to Standard Refrigeration Company, Inc., Chicago, Ill., a corporation of Illinois
Application July 25, 1950, Serial No. 175,813
1 Claim. (Cl. 138—43)



A pressure reducing device for controlling the flow of refrigerant fluids in a refrigeration system comprising an elongated tubular member having an inlet and an outlet at opposite ends thereof, an axial bore of substantially constant diameter extending inwardly through said tubular member from the outlet end thereof for a predetermined distance, an axial counterbore within said tubular member of larger diameter than said first bore and communicating therewith, said counterbore extending through said tubular member at the inlet end thereof having a lateral inlet port, a set of continuous internal screw threads of constant diameter formed in said first bore, an elongated adjustable member of substantially constant diameter extending through said counterbore and said bore, at least a portion of said adjustable member having a set of continuous external screw threads of constant diameter threadedly engaging the internal screw threads in said bore, the crests of one of said sets of screw threads being flattened uniformly throughout the length thereof to provide a spiral passage of uniform cross section between the sets of screw threads, said adjustable member being movable axially of said first bore to vary the effective length of said spiral passage, said tubular member being formed with an inwardly facing valve seat around said outlet, and said adjustable member having one unthreaded portion extending through the counterbore and outwardly beyond the inlet of said tubular member and another unthreaded portion adjacent said outlet terminating in a reduced end complementally engageable with said valve seat to stop fluid flow through the device, a wedge-shaped sealing washer within the inlet end of said tubular member surrounding and engaging the adjacent unthreaded portion of said adjustable member, and means for releasably engaging said sealing washer and wedging the sealing washer tightly between the said adjustable member and the adjacent end of said counterbore to lock the adjustable member and said last named means against movement.

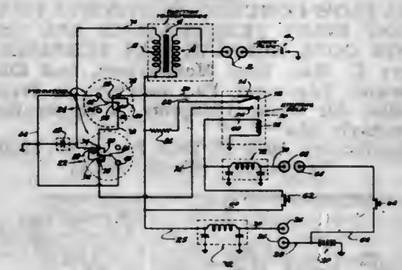
2,568,124
RETAINING RING FOR INSTRUMENT CASE GLASSES
Ernest H. Grauel, Bridgeport, Conn., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application September 11, 1946, Serial No. 696,333
7 Claims. (Cl. 189—78)

6. In an open glass retaining ring having adjacent ends for use in instrument cases of the type having a glass receiving recess and a peripheral groove in the wall of the recess, means for yieldingly urging adjacent ends of the ring



away from each other including an offset tongue on each end of the ring, and spring means surrounding each tongue for urging the ends of the ring away from each other.

2,568,125
HEATER IGNITION SYSTEM
Gerald Jacobs, Indianapolis, Ind., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 18, 1948, Serial No. 60,747
2 Claims. (Cl. 175—115)



1. A heater ignition system of high voltage type comprising a heater igniting spark plug, a transformer having a secondary connected for energizing said spark plug, a primary in said transformer for energizing said secondary, and a circuit for energizing said primary including a battery and means connecting one side of said battery to one side of said transformer primary, first and second stationary contacts arranged in spaced apart opposed relation, a vibratable reed disposed between said spaced apart contacts, electromagnetic means for attracting said reed to said second stationary contact when energized, said reed having sufficient resiliency to spring from said second contact to said first contact when said electromagnetic means is de-energized; means duplicating said first and second contacts, said reed and said electromagnetic means; circuit means connecting the other side of said primary to both said first contacts, circuit means connecting one side of each of said electromagnetic means to both of said reeds and to the other side of said battery, means connecting the other side of each of said electromagnetic means to its co-operating said second contact, circuit means connected to said one side of said battery and including a current limiting resistor, switching means for connecting the last said circuit alternately to either one or the other of said second contacts, electromagnetic

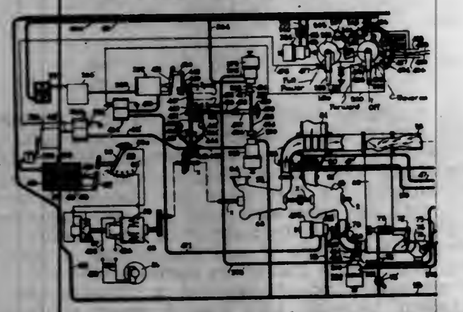
means for operating said switching means, and remotely operated circuit means for operating the last said electromagnetic means.

2,568,126
METHOD OF MAKING REFLECTING SIGNS BY LAMINATING
Armand E. Keeley, Huntingdon, Pa., assignor to Prismo Products, Inc. Dayton, Ohio, a corporation of New York
Application August 10, 1945, Serial No. 610,011
2 Claims. (Cl. 154—123)



1. A method of producing a reflecting sign, which comprises supporting a plurality of translucent spheres in fixed positions substantially in a common plane and with the lower portion of each sphere enclosed in a rigid supporting member, superposing on said spheres a plurality of relatively thin laminations of resinous material and subjecting said laminae and said spheres to heat and pressure to soften said laminae and unite the same one with the other, to embed the upper portion of said spheres in said laminae and to thereby unite said laminae and said spheres in a unitary solid structure.

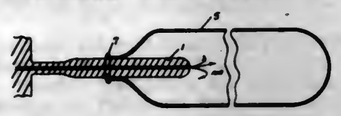
2,568,127
FUEL FLOW CONTROL RESPONSIVE TO TURBINE INLET TEMPERATURE AND SPEED FOR COAL BURNING GAS TURBINES
Harry C. May, East McKeesport, and Ellis E. Hewitt, Edgewood, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application April 20, 1948, Serial No. 22,208
14 Claims. (Cl. 60—39.28)



6. Control apparatus for a gas turbine comprising in combination, a combustion chamber open to said turbine, adjustable fuel regulating means for regulating supply of fuel to said chamber, a fluid motor for adjusting said regulating means, a speed governor adjustable to supply fluid to said motor at a pressure corresponding to the adjustment, an operator's control device for adjusting said governor, temperature responsive means subject to temperature of gas delivered to said turbine, and means controlled by said temperature responsive means controlling the fluid supply communication to said motor and operative to close said communication at a chosen high temperature of said delivered gas.

13. In a pulverized coal burning gas turbine plant having an air compressor operated by said turbine, a source of pulverized coal, a line for conveying air compressed by said compressor to the combustion chamber of said plant, means for urging coal from said source into the air stream in said line, supply valve means in said line for regulating the quantity of coal and air passing to said turbine, a choke device in said line after said valve means, and a second air supply line for conveying air compressed by said compressor to the first-named line between said supply valve means and choke, said second air line comprising heat interchange means disposed in the path of flow of hot exhaust gas from said turbine.

2,568,128
BLOWING ARTICLES OF RUBBER, ETC.
Harold B. Morris, Akron, Ohio, assignor to Eagle Rubber Co., Inc., Ashland, Ohio, a corporation of Delaware
Application May 15, 1947, Serial No. 748,265
6 Claims. (Cl. 18—58.7)



1. The method of preparing an elastomer article which comprises forming a deposit of elastomer on a form by dipping the form into a liquid dilution of the elastomer, and inflating the deposit on said form by introducing inflating medium between the form and the deposit.

2,568,129
BLOWING OF ARTICLES
Harold B. Morris, Ashland, Ohio, assignor to Eagle Rubber Company, Inc., Ashland, Ohio, a corporation of Delaware
Original application May 15, 1947, Serial No. 748,265. Divided and this application December 3, 1949, Serial No. 130,961
3 Claims. (Cl. 18—58.7)



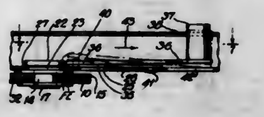
1. The method of preparing and automatically inspecting elastomer articles which comprises forming a layer of elastomer on each form in a bank of forms, rolling a bead at the edge of each layer where each form enters its article, curing the elastomer layers, and then introducing air under pressure through each form into each article at a point away from where the form enters the article thereby inflating the imperforate articles.

2,568,130
WINDOW CONSTRUCTION
Raymond R. Olson, Oak Park, Ill.
Application July 31, 1948, Serial No. 41,797
1 Claim. (Cl. 20—53)



A window construction for a substantially rectangular opening in a wall having an inside and an outside, comprising a fixed main frame outlining the periphery of the rectangular wall opening, said fixed main frame having spaced peripheral offsets, the first of said peripheral offsets being located adjacent the outside of the wall, the second of said peripheral offsets being located adjacent the inside of the wall and spaced from the first of said peripheral offsets, an auxiliary frame hinged to and within said fixed main frame for swinging movement as an entire unit inwardly of the wall, said auxiliary frame having spaced peripheral external offsets corresponding in size and position to and mating with the offsets in said fixed main frame, said auxiliary frame having internal flange means forming spaced inner and outer peripheral shoulders, a first sash hinged on said auxiliary frame to swing inwardly to open and to lie against the inner of said peripheral shoulders when closed, and a second sash removably positioned in said auxiliary frame against the outer of said peripheral shoulders.

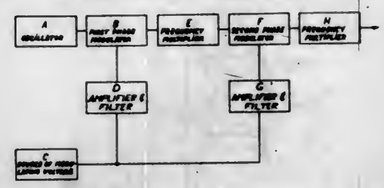
2,568,131
PORTFOLIO
Samuel Segal, New York, N. Y., assignor to Wilson-Jones Co., Chicago, Ill., a corporation of Massachusetts
Application July 5, 1947, Serial No. 759,106
1 Claim. (Cl. 281—29)



In a device of the character described, a portfolio having spaced keepers each comprising a head having a web and overhanging lips, a loose leaf binder provided with a bottom wall and a top wall, said bottom wall having spaced compound slots embodying relatively large openings for removably receiving said heads and embodying reduced openings defining spaced and rectilinear sides for removably straddling said web and adapted to be disposed under said lips upon displacement of said binder relative to said portfolio, a spring detent carried by said binder and in part overhanging one of said slots the spring action of said detent moving it into engagement with the edge of one of said keepers upon longitudinal displacement of said binder relative to said portfolio from the position in which said binder and portfolio are initially engaged, to hold said binder and portfolio against relative longitudinal displacement in the opposite direction, and a stud projecting from said detent through said top wall, said stud being operable to disengage said detent from keeper, whereby said binder may be released from interengagement with said portfolio.

2,568,132
PHASE MODULATED SIGNALING SYSTEM AND METHOD
Antonín Špaček, Prague-Branik, Czechoslovakia, assignor of one-half to Tesla National Corporation, Prague, Czechoslovakia
Application May 11, 1949, Serial No. 92,665
In Czechoslovakia May 21, 1948
4 Claims. (Cl. 332—22)

1. A frequency modulated signalling system comprising, in combination, a source of fundamental unmodulated frequency having a substantially constant frequency output; a source of modulation frequencies of a given frequency range; means operable to separate the modulation frequencies into frequency bands graded according to frequency magnitudes; means operable to modulate the fundamental frequency successively with modulation frequency bands of increasing frequency magnitude; and frequency multiplier means arranged to multiply the modulated fundamental frequency following each such modulation and in advance of the next succeeding modulation.

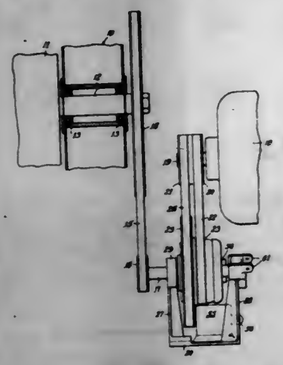


2,568,133
BUILDING CONSTRUCTION
Joseph R. Swisher, Sr., and Joseph R. Swisher, Jr., Decatur, Ill.
Application June 19, 1946, Serial No. 677,782
2 Claims. (Cl. 20—4)



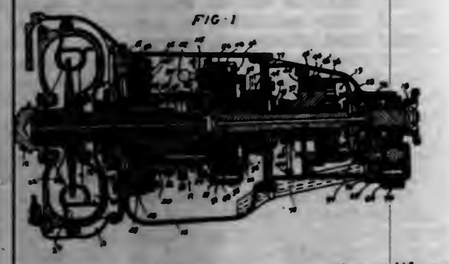
1. In building construction, two complemental structural elements each including studs and inner and outer sheathing members, and means for effecting a separable connection of said elements in a relationship substantially normal to each other, said means including in one of said elements two studs arranged in spaced relation and in relatively close proximity and secured to the outer sheathing member to provide between them a groove, the inner sheathing member terminating short of said groove, a tongue member formed of a stud affixed to and offstanding from a stud of the other element and engaged in said groove, said tongue member having its inner face substantially flush with the inner edge of the stud to which it is affixed, and fastening means penetrating at least the outer one of the groove-forming studs and the tongue member, all of said studs being of standard cross-sectional dimensions having a width greater than twice their thickness, whereby the combined thickness of the outer one of the two studs forming said groove plus the thickness of the tongue member, when engaged in said groove, will be less than the width of the stud to which the tongue member is affixed, thus providing a portion of said last named stud offstanding beyond the face of the outergroove-forming stud to produce a space between said offstanding portion and said stud face, said space furnishing a recess within which the heads of said fastening means are received, and a finish strip bearing upon and being secured to the stud to which said tongue member is affixed and the outer stud of said groove and arranged in substantially the plane of the sheathing of said last-named element and covering said recess to conceal the fastening means, said finish strip being removable for access to the underlying fastening means.

2,568,134
WASHING MACHINE TRANSMISSION
Rollin Bernard Tharpe, Garrett, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 23, 1947, Serial No. 781,558
8 Claims. (Cl. 74—217)



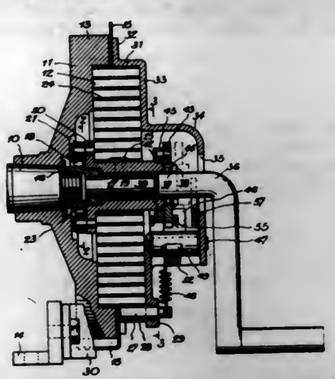
1. A two-speed transmission for washing machines and the like comprising, a washing machine spindle; a constant speed motor, and a pair of pulleys on the armature shaft thereof; a countershaft; belt and pulley means drivingly connecting said spindle and countershaft; a low speed pulley loosely carried by said countershaft; an overrunning clutch connection between said low speed pulley and said countershaft; a high speed pulley loosely mounted on said countershaft; belts drivingly connecting said motor pulleys respectively to said low speed and high speed pulleys; a friction clutch member rotatable with said high speed pulley; an axially shiftable clutch pressure member rotatable with said countershaft adapted to engage and disengage said friction member; axially reciprocable piston means for shifting said pressure member; a lever for moving said piston; a solenoid interposed in an electric circuit and having its core operatively connected to said lever for urging said piston means in a direction to effect engagement of said friction clutch members, thereby to couple said high speed pulley to said countershaft; and switch means in said circuit for controlling the energizing and deenergizing of said solenoid.

2,568,135
TRANSMISSION MECHANISM
Jesse G. Vincent, Grosse Pointe Park, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 15, 1945, Serial No. 582,933
8 Claims. (Cl. 74—472)



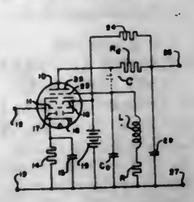
1. In a motor vehicle, the combination with an engine, driving wheels, and transmission means connecting the engine and the driving wheels and including a hydraulically operated device, of operating and control means for said device comprising a pump driven from the engine, a second pump driven from the driving wheels, a conduit leading to the device, connections from said pumps to said conduit, a valve in one of said connections, and means actuated by engine intake pressure for controlling the position of said valve.

2,568,136
ENGINE STARTER
William H. Weimer, North Prairie, Wis., assignor to Air Diesel Engine Corporation, Jackson, Mich., a corporation of Delaware
Application April 8, 1946, Serial No. 660,530
6 Claims. (Cl. 185—37)



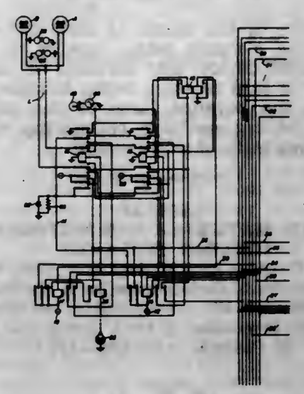
1. In an engine starter, a stationary frame, an engine shaft, a coupling sleeve rotatable and axially slidable on said shaft, a spirally coiled spring having its inner end secured to said sleeve, means for anchoring the outer end of said spring to said frame, said sleeve adapted to be rotated for winding the spring, releasable holding means for preventing unwinding of the spring, one-way driving means for connecting said sleeve to said engine shaft to effect rotation of said shaft by the unwinding of said spring, said driving means including a ratchet on said shaft and a pawl on said sleeve, means for releasing said holding means to permit unwinding of said spring, and means for axially shifting said sleeve to effect release of said pawl from said ratchet when the engine shaft is running.

2,568,137
DEMODULATOR
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application March 19, 1948, Serial No. 15,861
7 Claims. (Cl. 250—27)



1. In combination: an electron discharge device having an input electrode and an output electrode; an input circuit connected to said input electrode; an oscillatory circuit reactively coupled to said input circuit; an output load impedance coupled to said output electrode; and an additional predominantly resistive load impedance connected to said output electrode and reactively coupled to said oscillatory circuit to decrease the effective Q of said oscillatory circuit while maintaining substantially unchanged the voltage appearing across said oscillatory circuit.

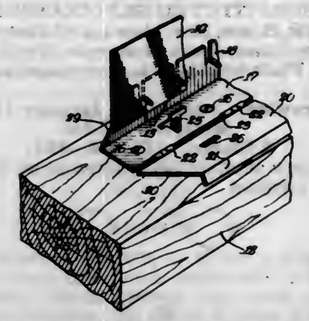
2,568,138
COMBINED LINE AND TRIPPING RELAY CIRCUIT FOR TELEPHONE LINES
William M. Beaumont, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1949, Serial No. 95,344
8 Claims. (Cl. 179—28)



1. The combination, in a telephone system, of a subscriber's line, a telephone station on said line having a telephone set thereat, a relay included in said line, means effective solely upon the removal of the telephone set at said station incident to the origination of a call thereat for completing an operating circuit for said relay whereby said relay operates as a line relay, an attendant's position, a source of signaling current, means manually controlled at said position for connecting said signaling current source to said line, means for locking said signal current-connecting means operated, means effective incident to the removal of the telephone set at said station subsequent to the operation of said signal current-connecting means for completing an operating circuit for said relay including said source of signaling current whereby said relay operates as a signal current tripping relay, and means controlled by said relay when thus operated for releasing said signal current-connecting means.

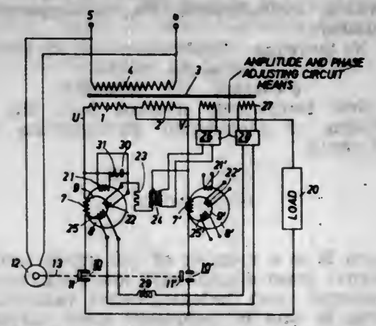
2,568,139
DETACHABLE WINDOW SCREEN
William A. Behnke, Cary, Ill.
Application September 8, 1949, Serial No. 114,668
2 Claims. (Cl. 160—404)

1. In a window screen frame of angular metal stripping, the combination comprising a planar base plate member adapted for mounting said framing to a window frame, a planar side wall member extending angularly and upwardly away from said base plate as an integral and contiguous part thereof, hooking means slanting inwardly from said side wall toward said base plate for holding and tensioning mesh screening to said framing, a planar cover plate adapted to extend angularly between said base plate and side wall members for protecting same from the weather, fastening means formed integrally with and projecting angularly and outwardly from said base plate, said fastening means having an outer head end insertable through a slotted opening in said cover plate, said head adapted to be twisted



crosswise of said slotted opening for securing said cover in its protective position, and hinged connections between said cover and base plate whereby said cover may be swung away from said side wall while fastening and unfastening said screening from said holding hooks.

2,568,140
SYNCHRONOUS SWITCHING APPARATUS FOR ELECTRIC CIRCUITS
Michael Belamin, Nurnberg, Germany, assignor to Siemens - Schuckertwerke, Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application December 4, 1950, Serial No. 199,003
In Germany October 1, 1948
5 Claims. (Cl. 175—294)

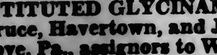


1. Synchronous switching apparatus for alternating current, comprising synchronous contact means and reactor means series connected with each other, said reactor means having a saturable break core and a saturable make core for flattening the current characteristic during break and make operations respectively of said contact means, two excitation circuits inductively linked with said make reactor core, one of said circuits being connected across said contact means to provide a first component excitation of a generally sinusoidal wave shape with an inwardly deformed wave top in each half wave, synchronous voltage supply means of sinusoidal voltage, said other circuit being connected with said supply means to provide a second component excitation of opposed polarity and smaller amplitude than said first component excitation, said component excitations having a resultant which at the closing moment of said contact means has a value of

said given polarity and at the opening moment of said contact means as a saturation value of said other polarity.

2,568,141
SUBSTITUTED GLYCINAMIDES
William F. Bruce, Havertown, and Joseph Seifter, Willow Grove, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 14, 1947, Serial No. 722,069
2 Claims. (Cl. 260—294)

2. As new compounds, glycinamides having the general formula



wherein



stands for a 6-membered heterocyclic nucleus selected from the group consisting of a piperidine, a morpholine and a thiamorpholine nucleus while



stands for a 5-membered heterocyclic nucleus of the group consisting of a pyrrole, a pyrazole, an imidazole and a triazole nucleus; and the acid-addition salts thereof.

2,568,142
ARYL-GLYCINEDIALKYLAMIDES
William F. Bruce, Haverton, and Joseph Seifter, Willow Grove, Pa., assignors to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 12, 1948, Serial No. 26,714
6 Claims. (Cl. 260—558)

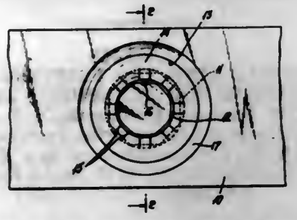
1. New compounds selected from the group consisting of substituted glycinamides having the formula



wherein R is a member of the group consisting of phenyl, lower alkylphenyl, lower alkoxyphenyl, nitrophenyl, and halogenphenyl radicals; and wherein R' and R" represent lower alkyls each having more than one carbon atom in the chain; and the non-toxic salts of said substituted glycinamides.

2,568,143
SPIRIT LEVEL
Edward J. Casper, Bronx, N. Y.
Application November 20, 1947, Serial No. 787,054
1 Claim. (Cl. 33—212)

In spirit level devices, a stock, said stock having an aperture of predetermined diameter therein, the stock, at opposed sides of the aperture, having enlarged annular recesses, a spirit element mounted in the aperture of the stock between said recesses, said element comprising two substantially similar discs of octagon form, adjacent surfaces of the discs having recesses bounded by octagon walls, said walls being convexed outwardly to a slight extent and otherwise substantially paralleling the outer edges of the disc structure, parts of said elements being secured together to form, within the recesses thereof, a chamber for spirit fluid, including a bubble, bevelled facing rings mounted in the recesses and overlying outer peripheral portions of the spirit element outwardly of and adjacent the walls of the chamber therein in retaining said element in



the aperture of the stock, at least two opposed edges of the element being parallel to opposed edges of said device, side surfaces of the stock, outwardly of said recesses, being bevelled to register with the bevelled faces of the rings, and said rings having markings registering with each of the convex walls of said element.

2,568,144
FELTED MATERIAL AND METHOD OF MAKING THE SAME
Frederick Cremer and Henry F. Unick, Chicago, Ill., assignors to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1945, Serial No. 632,821
15 Claims. (Cl. 154—101)



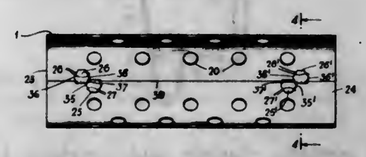
4. The method of making felted material which comprises coating a plurality of asbestos fibers which are to be felted with a water repellant, applying an aqueous solution of a binding agent to the coated fibers to form separated globules of said solution at points where the fibers engage each other, and allowing the aqueous solution to dry so that the binding agent will connect the fibers at said points.

2,568,145
GLAZING NAIL
John Dellinger, Batavia, N. Y.
Application January 28, 1948, Serial No. 4,859
12 Claims. (Cl. 85—15)



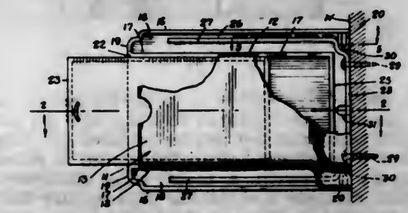
1. A glazier's point comprising a relatively flat oblong base portion, a downward flange at one end of the base portion at right angles thereto and projecting laterally beyond the base portion proper at both sides, said flange being of no greater depth than the thickness of the glass to be secured, said projections being pointed to provide oppositely directed nail portions, the opposite end of said base portion having pointed lateral extensions at its opposite sides lying in the same plane as the base portion and likewise pointed to provide oppositely directed nail portions, and a longitudinal flange extending upwardly from said base portion to receive hammer blows for driving said point.

2,568,146
HAIR CURLER
William F. Feyrer and Nathan L. Solomon, Englewood, N. J., assignors to Solo Products Corporation, a corporation of New Jersey
Application June 19, 1947, Serial No. 755,598
4 Claims. (Cl. 132—41)



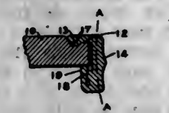
2. A curler of the character described, comprising a split tubular body, means pivotally supported on the body for clamping hair wound therearound, the edge portions of said body abutting to form the split therein, each having a pair of projecting key elements adapted to extend over and engage the undersurface of the opposed edge portions, the pair of key elements on one edge portion being disposed inwardly of the pair of key elements on the other edge portion in retaining the edge portions against longitudinal movement one with respect to the other, surface engagement of said key elements with opposed edge portions retaining said edge portions against inward and outward radial movement one with respect to the other, and adjacent side edges of said key elements having outwardly projecting means engaging opposed key elements in retaining said edge portions of the tubular body against separation.

2,568,147
WALL MOUNTED SHELF STRUCTURE
Louis E. Fulton, Houston, Tex.
Application May 21, 1949, Serial No. 94,700
3 Claims. (Cl. 312—245)



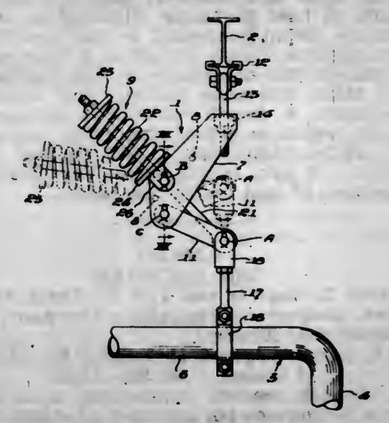
3. A shelf structure of the class described, comprising, a platform portion, an angular bracing piece for bracing said platform portion from a supporting wall, pairs of spaced parallel flanges depending from said platform portion and extending longitudinally along each side thereof to form a pair of longitudinal channels opening to the rear of said platform portion, said pairs of flanges being spaced apart to form a receptacle opening forwardly beneath said platform portion, a pair of stop members depending from the rearward end of said platform portion into said channels, a generally U-shaped bracket having its arms spaced for insertion into said channels and its base portion attachable to said supporting wall, said arms having inwardly extending recesses therein for reception of said stop members to lock said structure to said bracket, and a drawer slidably disposed in said receptacle for slidable movement inwardly and outwardly thereof.

2,568,148
SHELF
Allen L. Goldsmith, Adrian, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application August 26, 1946, Serial No. 692,946
4 Claims. (Cl. 211—153)



1. In a shelf of the type in which a plurality of crossbars have their ends attached to a frame, each crossbar being formed near each end with a transverse groove, the frame having a side wall and an upper flange which extends over the ends of the crossbars and which carries a rib which is engaged in the transverse grooves of the crossbars, the frame having a lower flange which is engaged with the lower surface of the crossbars, the improvement which comprises: the lower flange being wider than necessary to reach the lower surface of the crossbars, the lower flange being upturned substantially parallel to the side wall, thereby being wedged against the lower surface of the crossbars, the side wall of the frame being under tension with the upper and lower flanges clamping the ends of the crossbars in a permanent resilient grip.

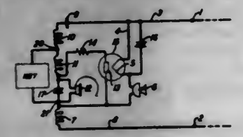
2,568,149
LINE PIPE HANGER
Clarence G. Grabe, Pittsburgh, Pa., assignor to National Valve & Manufacturing Company, Pittsburgh, Pa., a corporation
Application September 30, 1948, Serial No. 51,872
3 Claims. (Cl. 248—54)



1. A hanger for applying a substantially constant vertical support to a suspended load throughout a range of vertical movement of the load, said hanger comprising a support-engaging member, a load-engaging member disposed below said support-engaging member, a rigid bracket attached at its upper end to said support-engaging member, a strut pivotally secured to said load-engaging member and projecting from the load-engaging member toward said bracket,

said strut having an end portion lying adjacent the lower portion of said bracket and pivotally attached to said lower portion on a horizontal axis, a spring arm pivotally attached to the other end portion of the strut on a horizontal axis, a spring disposed at the free end of said spring arm, upper and lower spring caps, said upper cap being secured to said arm and said lower cap being pivotally secured to said bracket on a horizontal axis, the point of pivotal securement of said lower cap to said bracket being spaced from the point of pivotal securement of the strut to said bracket, said spring arm projecting laterally from its point of pivotal attachment with said strut and extending slidably through said lower cap, the point of pivotal securement of said strut to said bracket being in a line with the point of a pivotal securement of said lower cap to said bracket that is substantially parallel to a line representing the direction of the effective pull of the load on the hanger.

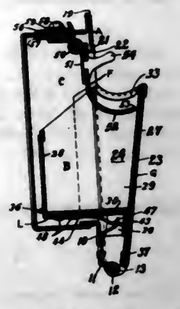
2,568,150
BALANCING NETWORK FOR SUBSCRIBERS' TELEPHONE SETS
Frank H. Graham, Pittstown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 15, 1948, Serial No. 33,137
6 Claims. (Cl. 179—81)



5. In combination in a subscriber's telephone set, a telephone transmitter, a telephone receiver, a transmission equalizer comprising a first variable resistance, said first resistance a heating element in series with said transmitter, a second variable resistance, said second resistance a heat responsive variable resistance element in shunt with said receiver, said resistance elements in heat exchange relationship, an anti-sidetone circuit connected to said receiver, said anti-sidetone circuit including a third variable resistance, the magnitude of the resistance of said third resistance varying with changes in frequency, a fourth variable resistance, said fourth resistance a heat responsive resistance in said anti-sidetone circuit, and another heating element in said telephone set for varying the resistance of said fourth resistance.

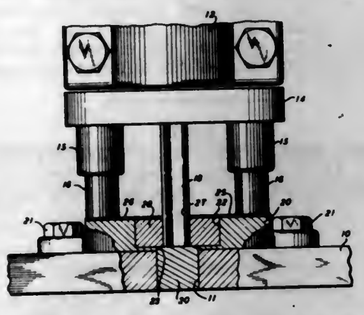
2,568,151
ASH RECEIVER
Andrew T. Hagerty and Yale W. Ehret, Elkhart, Ind., assignors to The Adlake Company, a corporation of Illinois
Application April 6, 1949, Serial No. 85,827
5 Claims. (Cl. 206—19.5)

1. An ash receiver comprising a supporting frame having side portions and a bottom portion adapted to cover the margins of an opening in a supporting wall, a receptacle frame having side portions and having a lower portion hinged to the bottom portion of the supporting frame to swing between a forwardly projected discharge position and a retracted ash receiving position in which the portions of the receptacle frame overlie the corresponding portions of the supporting frame, a latch element forwardly projecting from the bottom portion of the supporting frame, and a cooperating latch element formed on the receptacle frame and projecting forwardly toward the lower portion thereof, at least one of said elements being resilient and at least one of them having a cam surface engageable by the other element when the receptacle frame is swung to re-



tracted position, whereby said receptacle frame may be latched in retracted position with a resilient latch element biasing the side portions of the receptacle frame against the side portions of the supporting frame and may be released by forward pull on the receptacle frame.

2,568,152
DIE FOR USE WITH A PUNCH
Norman T. Hermann, Eatontown, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1949, Serial No. 82,116
3 Claims. (Cl. 164—118)



1. A die for use with a reciprocable punch having a given cross-sectional contour, the die comprising a main member having an aperture therein larger than the punch and disposed in general alignment therewith, a metal strip disposed on the main member and having an aperture therein conforming to the punch, and a metal member substantially filling the aperture of the member excepting an aperture conforming to the punch and in alignment with the aperture of the strip to cooperate therewith in forming a die cavity.

2,568,153
SHELF FOR REFRIGERATORS, OVENS, STORAGE CABINETS, AND THE LIKE
Charles E. Hickman, Adrian, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application March 26, 1945, Serial No. 584,961
5 Claims. (Cl. 211—153)

5. In a shelf of the type in which a plurality of crossbars have their ends mechanically attached to an outside frame, each crossbar carrying near each end an area depressed below the top surface of the main body of the crossbar, the frame having an upper flange with a flat under side which extends over the upper side of the crossbar and fits into the depressed area, the frame having a member which engages the under side of the crossbar; the improvement which comprises: said depressed area including a flat



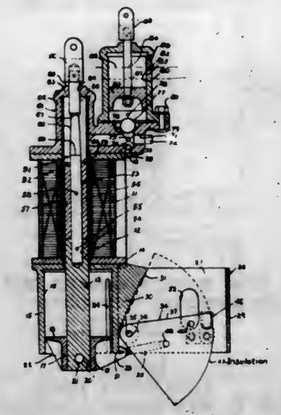
portion and a transverse groove, said upper flange carrying a rib and fitting into said depressed area with the flat under side of the flange engaging the flat portion of the depressed area and with the rib fitting into the transverse groove, whereby the crossbar is securely anchored in the outside frame.

2,568,154
CRYSTALLIZATION OF SODIUM NAPHTHALENE BETA SULFONATES
Alfred Garrett Hill, Martinsville, and Shirley I. Gale, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 3, 1946, Serial No. 713,832
10 Claims. (Cl. 260—505)

1. As a new and improved method of recovering crystalline sodium naphthalene beta-sulfonate from supersaturated aqueous solutions of the same, the improved method which comprises incorporating a minor proportion of a surface-active agent in said solution, agitating the mixture until a substantial amount of sodium naphthalene beta-sulfonate has crystallized therefrom and recovering the crystalline sodium naphthalene beta-sulfonate so obtained, said surface-active agent being an ionic surface-active agent selected from the class consisting of cationic surface-active agents and anionic surface-active agents.

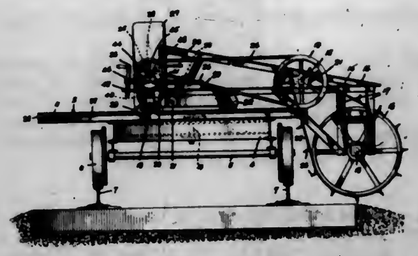
2,568,155
AUTOMATIC CIRCUIT BREAKER RETARDING MECHANISM
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application April 10, 1947, Serial No. 740,687
12 Claims. (Cl. 200—97)

9. In a circuit maker and breaker with regulated delaying action for its opening or closing, the combination of a solenoid and an armature, said solenoid being connected to receive surges of current on the line and to exert a force on the armature which is dependent on the intensity of the current, a cylinder, a piston in the cylinder connected to said armature, said cylinder and piston acting both as dash-pot and pump, fixed contact means and movable contact means controlled by said armature, said cylinder having an aperture directed toward said contact means to extinguish the arc by discharge of oil from the cylinder, said cylinder and contact means being immersed in oil, a second pump cylinder and a piston connected to said armature and actuated by said solenoid, a time delay cylinder, a conduit extending from said second cylinder to said time delay cylinder having a piston, said



second piston pumping oil into said time delay cylinder until it passes said conduit.

2,568,156
BALLAST REMOVER
Royce Kershaw, Montgomery, Ala.
Application June 12, 1946, Serial No. 676,136
4 Claims. (Cl. 37—104)

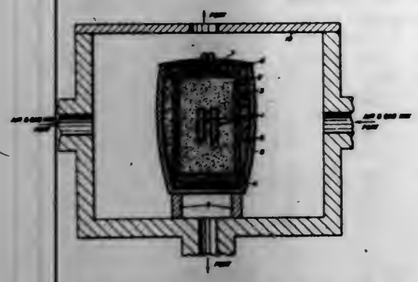


1. In a ballast remover, a vehicle, a trackway on said vehicle, a carriage movable on said trackway, a clearer frame secured to and projecting laterally from said carriage, a roller resting upon said trackway and supporting said carriage, and means for rocking said carriage and the clearer frame on said roller.

2,568,157
PROCESS OF MAKING REFRACTORY BODIES
Jack M. Lepp, Columbus, Ohio, and John A. Slyh, Denver, Colo., assignors, by mesne assignments, to Battelle Development Corporation, Columbus, Ohio, a corporation of Delaware
Application February 12, 1949, Serial No. 76,188
7 Claims. (Cl. 25—157)

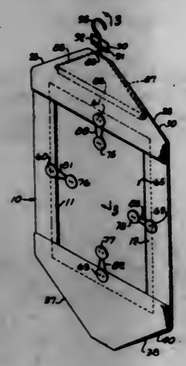
1. The process of producing an alumina containing refractory, which comprises intimately mixing together finely divided alumina and aluminum, adding thereto a binder to aid in maintaining the shape of the mixture after molding, molding said mixture, surrounding the resulting molded article with a dense mass of powdered graphite sufficient in amount to exclude injurious

gases which would attack said molded article during sintering and while cooling, and then



sintering said mass containing said molded articles in an oxidizing atmosphere.

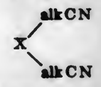
2,568,158
GARMENT BAG
Marie W. McWhorter, Charlotte, N. C.
Application November 24, 1947, Serial No. 787,727
1 Claim. (Cl. 206—7)



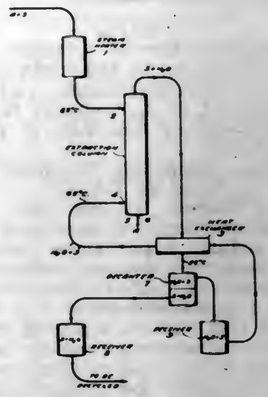
A garment bag having a back portion, a top front portion, a bottom front portion and side front portions, the side front portions being integral with the back portion and folded forwardly onto the front surface of the back portion in spaced relation, the top and bottom front portions being integral with the back portion and being folded forwardly and towards each other in spaced relation thus defining a rectangular opening, the junction between the top front portion and the back portion and the junction between the bottom front portion and the back portion being folded inwardly along three lines converging at a single point disposed approximately midway between the side edges of the bag thus forming a pair of triangular portions on each side, the medial portion of the top and bottom ends of the bag and the proximate surfaces of each pair of triangular portions being secured to each other, the proximate ends of the top and bottom front portions being substantially at right angles to the proximate edges of the inturned side portions, a substantially rectangular panel of larger dimensions than the opening formed by the side portions and the top and bottom front portions and insertable beneath the top and bottom front portions and the side front portions to act as a closure for the bag, and means for securing the panel against displacement.

2,568,159
RECOVERY OF DICYANODIALKYL ETHERS AND SULFIDES USED AS SOLVENTS IN AN AROMATIC HYDROCARBON EXTRACTION PROCESS
Eugene C. Medcalf, Bound Brook, and William E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 10, 1950, Serial No. 143,585
10 Claims. (Cl. 260—674)

1. A process of separating dissolved material of low water solubility from solutions in a dinitrile solvent having the formula



in which X is an element of the sixth group of the periodic system, having an atomic number not exceeding 16, and alk is a lower alkylene radical, which comprises mixing the solution with water at a temperature of about 70 to 100° C., the amount of water being sufficient to dissolve the dinitrile solvent at said temperature

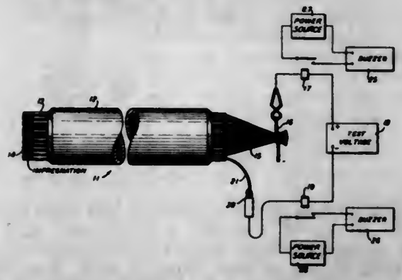


and to convert the said solution into a water-insoluble layer and a unitary water-solvent layer, separating the water-insoluble layer from the unitary water-solvent layer, cooling the unitary water solvent layer to convert the same into a water layer and a dinitrile solvent layer and separating the water layer from the dinitrile solvent layer.

2,568,160
RECOVERY OF DICYANODIALKYL AMINES
Eugene C. Medcalf, Bound Brook, and William E. Sisco, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application February 10, 1950, Serial No. 143,586
13 Claims. (Cl. 260—465.5)

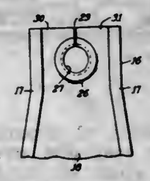
1. A process of separating dissolved material of low water-solubility from solutions in a dinitrile amine solvent selected from the group consisting of bis(cyano-lower alkyl) amines in which the alkyl radicals have more than two carbon atoms and the cyano groups are on carbon atoms at least once removed from the nitrogen atoms, and bis(alpha-cyano-lower alkyl) amines, which comprises mixing the solution with water at a temperature of about 70 to 100° C., the amount of water being sufficient to dissolve the said dinitrile amine solvent at said temperatures and to convert the said solution into a water-insoluble layer and a unitary water-solvent layer, separating the water-insoluble layer from the unitary water-solvent layer, cooling the unitary water-solvent layer to convert the same into a water layer and a dinitrile amine solvent layer and separating the water layer from the dinitrile amine solvent layer.

2,568,161
DEVICE FOR TESTING CABLES
Albert J. Meyerhoff, Union, and John H. Sulzer, Union Beach, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 4, 1949, Serial No. 74,568
7 Claims. (Cl. 175—183)



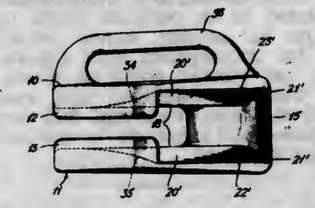
1. In the method of testing cables having a plurality of insulated conductors for conductor continuity and short circuits between pairs of the conductors in which test potential is applied between adjacent ends of the pairs of conductors, the step which comprises applying to the other adjacent ends of the conductors a material of such resistance as to establish in the conductive loops thus formed a plurality of electrical paths each having a resistance greater than the combined resistance of the two individual conductors forming a part of each path, but less than their insulation resistance.

2,568,162
THREADED LOCKING DEVICE
Leslie F. Mohns, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 11, 1949, Serial No. 70,208
4 Claims. (Cl. 151—21)



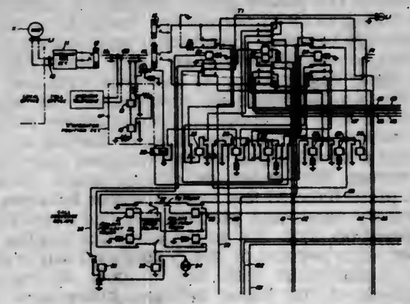
1. A threaded locking device comprising a sheet metal stamping including an elongated body portion having spaced laterally extending parallel edge flanges; a boss integral with said body portion disposed between said flanges and having an oval-shaped screw-threaded bore the major axis of which extends longitudinally of said body portion, said body portion having a slot therein extending from one end thereof between and substantially parallel with said flanges, through the edge of said boss and communicating with said bore, said slot being aligned with the major axis of said oval-shaped bore and the parts of said body portion at opposite sides of said bore and slot being surface-hardened and defining opposed spring regions for exerting pressure against the sides of a member in said bore.

2,568,163
SLIDER FOR SEPARABLE FASTENERS
Louis H. Morin, Bronx, N. Y.
Application October 11, 1946, Serial No. 702,600
5 Claims. (Cl. 24—205.15)



1. A slider of the kind consisting of walls united by a web at one end and having flanges extending along side edges of the walls at the other end thereof, in which: the inner face of each wall is formed with a central flat portion extending longitudinally from the web to the said other end of each wall, the said flat portion being bounded on each side by a bevel surface extending longitudinally from the web to a point between the flanges intermediate the flange ends, and each bevel surface extending transversely from the central flat portion to the adjacent edge of each said inner face.

2,568,164
KEY PULSING B OPERATOR POSITION CIRCUIT
Herman E. Noweck, Mountain Lakes, and Theodore D. Robb, Ridgewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 29, 1948, Serial No. 35,846
3 Claims. (Cl. 179—27)



1. In a telephone system, an operator position comprising a telephone set and a key pulsing key set for transmitting digit signals, incoming trunks terminating at said position, outgoing trunks arranged for straightforward operation. outgoing trunks arranged for key pulsing, means for automatically connecting said incoming trunks one at a time to said position telephone set, means responsive to the connection of an incoming trunk to said telephone set for transmitting a plurality of order tone impulses over said incoming trunk, manually operated means for connecting said incoming trunk to any one

of said outgoing trunks, means comprising a key for connecting said key set with said incoming trunk, relay means operated upon connection of said key set to said incoming trunk for transmitting over said incoming trunk a different plurality of order tone impulses, means for disconnecting said incoming trunk from said telephone set as soon as said incoming trunk is connected to an outgoing trunk arranged for straightforward operation, relay means rendered effective by the operation of said key for maintaining the connection of an incoming trunk to said telephone set after said incoming trunk is connected to an outgoing trunk circuit arranged for key pulsing, means comprising said key set for transmitting digit signals over an outgoing key pulsing trunk to which said incoming trunk is connected, and means effective after the transmission of said digit signals to disconnect said telephone set and key set from said incoming trunk.

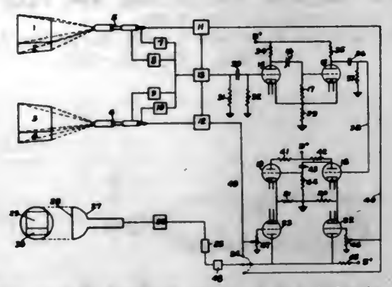
2,568,165
POSTER PANEL
Nicholas Oberding, Chicago, Ill., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill., a corporation of New Jersey
Application April 10, 1946, Serial No. 661,135
4 Claims. (Cl. 40—125)



1. In a poster panel assembly for mounting a poster panel on an upright support, a frame to surround the poster panel, means for supporting the frame so as to permit the frame to be swung outwardly between inoperative and operative positions of use including an angle plate fixed to the upper edge portion of the plate with one side of the angle extending downwardly in spaced relation with the frame, a hook member extending outwardly from the support having an upwardly extending end portion adapted operatively to engage the underside of the angle plate, a cam plate fixed to the hook member between the upwardly extending portion and the support for cooperation with the angle plate for urging the upper edge portion of the frame and angle plate into engagement with the support during adjustment of the frame between inoperative and operative positions of use.

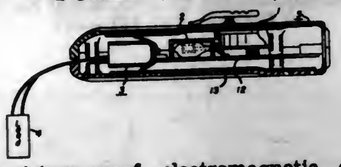
2,568,166
TELEVISION IMAGE SUPERIMPOSITION
David Phillips Perry, Maplewood, N. J.
Application April 23, 1948, Serial No. 22,749
4 Claims. (Cl. 178—6.8)

2. In an electronic system for television use, a television receiver tube for utilizing images from two television scanning tubes having video amplifiers connected to their output terminals, said amplifiers also being connected to a switch whereby either one may be connected to the television receiver tube and means for combining said images, so as to form the composite image on the screen of said television receiver tube, said means including a synchronizing pulse generator, a flip-flop circuit receiving triggering pulses from said generator, a combination of four tubes connected to the output of the flip-flop circuit, one pair of tubes having their plates joined by a pair of resistors with a source of potential connected at their junction with each other, said tubes having their cathodes joined by a pair of resistors with a circuit connection at the junction of the resistors while the grid of one tube is connected to the output of the



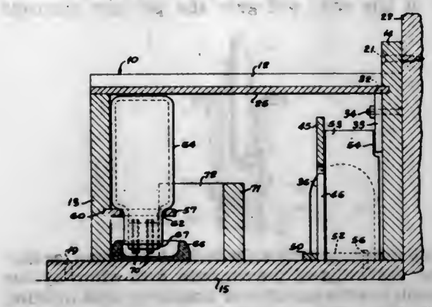
flip-flop circuit and the plate of this tube is connected in series through a condenser and resistor to said cathode resistor circuit junction and the grid of the second tube of said first mentioned pair is connected to the junction of said condenser and series resistance, the other pair of tubes having each of their cathodes connected to the cathode of one of said first mentioned pair of tubes while their plates are connected together and to a resistor adapted to be connected to a source of potential, the plates also being connected to an output lead communicating with the television receiver tube, the grids of the second pair of tubes being connected through resistors to said video amplifiers connected to the scanning tubes.

2,568,167
VIBRATION-DAMPING ELECTROMAGNETIC COUPLING UNIT FOR SOUND-AMPLIFYING APPARATUS
John G. Prentiss, Berwyn, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application February 28, 1946, Serial No. 650,989
1 Claim. (Cl. 175—356)



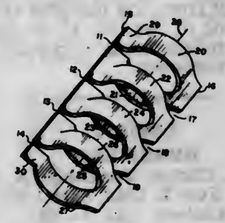
A moisture-proof electromagnetic coupling unit including a magnetic structure having a core portions of which are subject to maximum mechanical vibration when said coupling unit is energized by wave signals, at least one winding on said core for energization by wave signals, a cointainer fitting relatively tightly about said magnetic structure, fabric about said magnetic structure and within said container, potting material within said container surrounding said magnetic structure and impregnating said fabric, and a mount associated with said container, said container being provided with openings of approximately the same area as and overlying said portions of said core subject to maximum mechanical vibration.

2,568,168
RODENT BAITING STATION
Grady W. Query, Charlotte, N. C.
Application June 8, 1949, Serial No. 97,729
4 Claims. (Cl. 43—131)



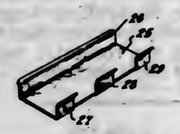
1. A baiting station box comprising a bottom, opposed side walls and front and rear walls and a removable cover, each of the opposed side walls having an opening therein extending from the said bottom and said openings being disposed in substantial alinement with each other and closely adjacent the said rear wall, a partition extending between said opposed walls and having openings therein disposed closely adjacent the openings in the opposed walls, means on the inner surface of the rear wall and accessible only through said openings in the opposed walls for locking the cover in a closed position, whereby the said rear wall and the bottom may be placed at the juncture of the floor and wall of a building and a suitable powdered poison may be placed on the top surface of the bottom and rodents passing along said wall will instinctively pass through the opening in the opposed walls of the box collecting the poison on their feet as they pass through the box, the bottom projecting out beyond one of the end walls and the other end wall projecting above the upper edges of the side walls and having holes therethrough for securing the same to a floor and a wall of a building.

2,568,169
STAMPED HELICAL COIL
Chester Edward Raczynski, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application May 11, 1949, Serial No. 92,575
7 Claims. (Cl. 175—21)



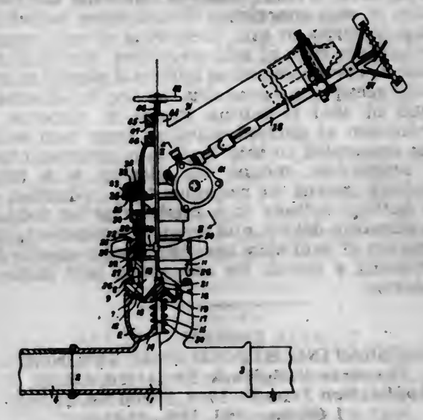
1. An inductor comprising: a thin, substantially rectangular sheet of conductive material having a first series of transverse slots extending more than half the width of the sheet from one edge of the sheet toward the opposite edge and having a second series of similar transverse slots alternating with those of said first series, but extending from said opposite edge toward said one edge; and said slots conjointly dividing said sheet into a sequence of series-connected transverse strips, successive ones of said strips projecting in alternate senses from the longitudinal axis of said sheet whereby successive pairs of said strips form successive turns of the inductor.

2,568,170
ONE-PIECE LINED BOX
William A. Ringler, Wayne, Pa., assignor to The Gardner Board and Carton Co., a corporation of Ohio
Application May 18, 1946, Serial No. 670,799
12 Claims. (Cl. 229—14)



1. A box comprising a paperboard blank cut and scored to present a bottom panel, end wall members articulated to the ends of said bottom wall panel, side wall members articulated to the sides of said bottom wall panel, a top panel articulated to a side wall member, and bellows-folding members lying between the ends of said end and side wall members and articulated to each, and a liner in the form of a sheet of flexible material extending freely beyond said bellows-folding members in at least one direction, and adhered to said blank at least within the areas of said top and bottom wall panels and said bellows-folding portions, said end wall members and one of said side wall members having articulated flanges to fold over contents in the erected box, said flanges bearing on their outer surfaces a thermoplastically sealable substance whereby said cover panel may be adhered to said flanges in the erected box.

2,568,171
DETACHABLE WATER SPRINKLER
Miroslav Sigmund, Gosforth, England
Application March 30, 1948, Serial No. 17,907
In Great Britain April 14, 1947
2 Claims. (Cl. 299—68)



1. A pipe coupling or hydrant comprising a body portion, a valve within said body portion for opening and closing the water passage therethrough and adapted to be held in the closing position by the water pressure, a cover portion, a connecting member adapted to enable said cover portion to be readily connected with and disconnected from said body portion, a delivery

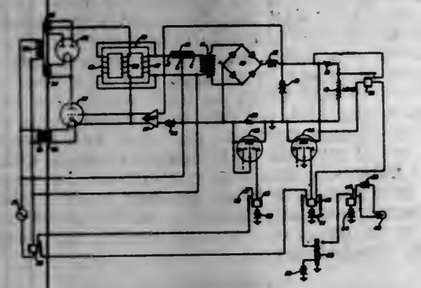
element including a tube extending into and rotatable within said cover portion, packing means between said tube and said cover portion, connection means including a bearing between said delivery element and said cover portion adapted to permit rotation of said delivery element about the axis of the coupling or hydrant, a rotary diffuser carried by said delivery element and adapted to be rotated by impact of a water jet from said delivery element, means transmitting rotation of said diffuser to said delivery element and relative to said cover portion, control cock carried by said rotatable delivery element and adapted to make controlling engagement with the valve in the body portion when the cover portion together with the rotatable delivery element is mounted on the body portion.

2,568,172

CURRENT SUPPLY APPARATUS

Harry H. Spencer, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 20, 1950, Serial No. 156,995
2 Claims. (Cl. 320—48)



1. In combination, rectifying apparatus for rectifying current from an alternating-current supply source and for supplying rectified current to a load, said load comprising a battery, slow operating relay means, an energizing circuit for said relay means for causing said relay means to operate after a delay interval following the completion of said energizing circuit, three switching means in series in said energizing circuit, means for closing a first of said switching means in response to current supplied from said supply source to said rectifying apparatus, means for closing a second of said switching means in response to a reduction of current supplied from said rectifying apparatus to said load to a predetermined low amplitude, means for closing said third switching means in response to a reduction of said battery voltage to a predetermined voltage, an indicating device, and means responsive to the operation of said slow operating relay means for completing a circuit for energizing said indicating device.

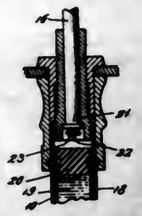
2,568,173

ASPIRATING HYPODERMIC SYRINGE

Theodore D. Spivack, Stratford, Conn.

Application June 12, 1948, Serial No. 32,701
1 Claim. (Cl. 128—218)

A hypodermic syringe having means for receiving and holding an ampule; a plunger rod slidably connected with said means and having an inner end positioned for engaging and operating a plunger in the ampule; and a wire helix extension mounted at one end on the inner end of said rod, said helix being of substantially constant diameter along its axis, having a hollow center and being free of support except at its end mounted on the rod, and said wire being gradually tapered to a sharp point at its free end, whereby said extension will dig readily into the surface of an ampule plunger in response to rotary movement of the rod, will grip the plunger securely



without creating any substantial wedging action against the walls of the ampule, and whereby the extension is also capable of engaging and holding ampule plungers of the type having a centrally embedded connection member, by engaging the plunger portions surrounding such member and receiving the member within its hollow center.

2,568,174

CONVEYER BELT SUPPORT

Charles W. Staecke, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application June 25, 1948, Serial No. 35,197
6 Claims. (Cl. 198—202)



5. A support for the return reach of a troughed conveyor belt, said support comprising a set of laterally spaced coaxially mounted rollers having resilient treads for contacting the lower face of the return reach of the belt for supporting it, the marginal rollers of said set having conical tread surfaces broader than the rollers therebetween, and the treads of the rollers of a set collectively presenting a convex contact with the belt of a curvature supporting said reach in reversely troughed condition providing equal tensioning of the belt throughout its width, said marginal rollers having helically grooved treads of opposite hand at opposite margins of the belt and being spaced inwardly from the margins of the belt to provide overhang of the belt at its margins, and said marginal rollers being rotatable relative to the rollers therebetween.

2,568,175

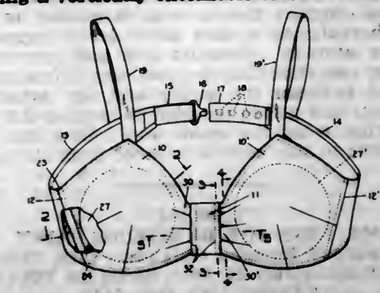
BRASSIÈRE

Sue M. Ullrich, Tuckahoe, N. Y.

Application July 1, 1948, Serial No. 36,307
3 Claims. (Cl. 2—42)

1. A brassière of the character described, comprising a pair of breast pockets, means secured to and joining and spacing adjacent edge portions of the pockets, means comprising side and back bands extending from outer sides of the pockets for supporting the brassière upon the body of the wearer, each pocket being composed of inner and outer relatively movable facings with a chamber therebetween, each pocket having, on one side edge portion thereof, an opening for admission into said chamber, said opening

extending substantially the full height of said side edge portion, said first named means comprising a vertically extensible elastic section pro-



viding extension of the pockets adjacent edge portions thereof, and the edges of the pockets joining said elastic section being pleated to facilitate said extension of the pockets.

2,568,176

RECOVERY OF DINITRILE SOLVENTS

Gerard N. Vriens and William E. Sisco, Somerville, and Eugene C. Medcalf, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application February 10, 1950, Serial No. 143,584
18 Claims. (Cl. 260—465.6)

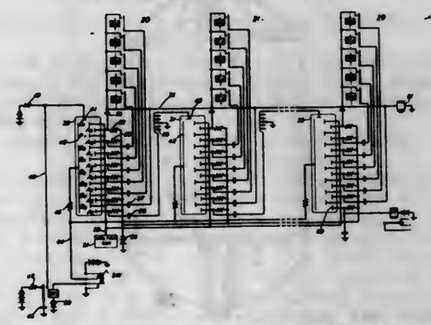
1. A process of recovering dinitrile solvents selected from the group consisting of bis(lower cyanoalkyl) amines, bis(lower cyanoalkyl) ethers, bis(lower cyanoalkyl) sulfides, from solutions therein of materials having negligible water solubility, which comprises contacting the said solutions with an inert, substantially water-insoluble, extractant for the dissolved material, said extractant having saturated hydrocarbon groups as its major constituents and having the solvent characteristics of a saturated hydrocarbon, and which has a boiling point far removed from that of the dissolved material and does not form substantial quantities of azeotropes therewith, separating the so extracted dinitrile solvent from the extractant containing the dissolved material extracted thereby and separating the dissolved material from the extractant by fractional distillation.

2,568,177

SIGNALING SYSTEM

Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 9, 1950, Serial No. 167,224
14 Claims. (Cl. 177—380)



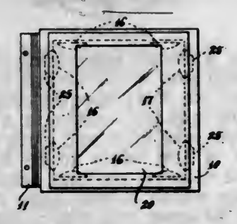
1. In a signaling system, a pulse source, a plurality of gaseous conduction devices each having a plurality of distinct conduction positions and each responsive to pulses transmitted from said pulse source to advance the conductive path therethrough step by step from position to position, output means responsive to conduction in each of said devices when the conductive path in each of said devices is in selected ones of the distinct conduction positions, and means rendering said devices successively conducting.

2,568,178

ADJUSTABLE PHOTOGRAPH MOUNT

Samuel Widder, New York, N. Y., assignor to J. Widder & Co., New York, N. Y., a corporation of New York

Application January 18, 1949, Serial No. 71,490
1 Claim. (Cl. 40—158)



A photograph mounting arrangement comprising, in combination, a mounting having pairs of slots each forming one side of a rectangle, the spacing between the slots of each pair being equal, and a photograph support having pairs of projecting tabs on each of two parallel sides of a rectangle, the tabs of each pair having a spacing equal to that of the space between the slots of each pair and the spacing of the pairs of tabs being substantially equal to that of two parallel pairs of slots, whereby the tabs may be inserted in the slots of either of a pair of adjacent sides of the slot rectangle so that the support may be secured to the mounting in either of two perpendicularly related positions.

2,568,179

ALUMINUM BASE ALLOYS

Charles B. Willmore, Aurora, Ill., assignor to William F. Jobbins, Incorporated, Aurora, Ill., a corporation of Illinois

No Drawing. Application April 12, 1949, Serial No. 87,109
5 Claims. (Cl. 75—141)

1. An aluminum base alloy consisting essentially of approximately from 2 to 4 percent copper, 2 to 8 percent zinc, 2 to 8 percent silicon and from 0.05 to 1.00 percent chromium the remainder being aluminum with less than 0.75 percent impurities in the form of iron and nickel.

2,568,180

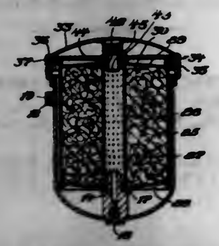
ALUMINUM BASE ALLOYS

Charles B. Willmore, North Aurora, Ill., assignor to William F. Jobbins, Incorporated, Aurora, Ill., a corporation of Illinois

No Drawing. Application April 12, 1949, Serial No. 87,110
5 Claims. (Cl. 75—141)

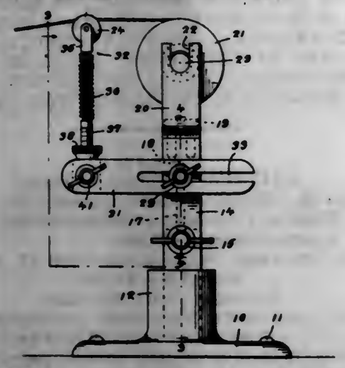
1. An aluminum base alloy consisting essentially of 2 to 4 percent copper, 2 to 8 percent zinc, 2 to 8 percent silicon, 0.05 to 1.00 percent chromium, 0.05 to 0.30 percent zirconium, the balance being aluminum with less than 0.75 percent impurities made up of iron and nickel.

2,568,181
QUICKLY REMOVABLE FILTER CASING COVER
Robert M. Zimmerman, Providence, and Walter V. Kennedy, Central Falls, R. I., assignors to Fram Corporation, a corporation of Rhode Island
Application November 28, 1947, Serial No. 788,360
1 Claim. (Cl. 210—164)



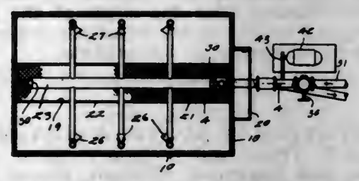
In a filter, a casing comprising a body having a bottom wall and a cylindrical side wall with an open end, an inlet opening into said casing and an outlet opening therefrom, a filtering medium between said inlet and outlet opening for the passage of the liquid to be filtered therethrough, said filtering medium being in the form of a cartridge which is removable from the casing through its upper end, and a removable cover having a flange to telescope over the open end of said side wall, circularly spaced inward projections carried by said flange and circularly spaced outward projections on the side wall also spaced downwardly from the edge of the side wall and at the location embraced by the flange to removably lock the cover on the casing by rotation through a fraction of a revolution of the cover relative to the casing to bring the projections of the cover on the opposite side of the projections on the side wall from the edge of the side wall, and an O-ring seal positioned between said flange and side wall in the area between the edge of the side wall and the projections therefrom and means spaced axially of the O-ring to permit of its axially rolling but limited in the extent of such rolling movement.

2,568,182
WIRE TENSION CONTROL UNIT
James A. Anania, Newark, N. J., assignor of one half to Carmine Paul Policastro, North Arlington, N. J.
Application August 6, 1948, Serial No. 42,962
5 Claims. (Cl. 242—156)



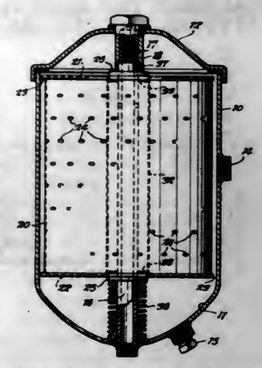
1. A wire tension control device comprising a base, vertical support means extending upwardly from the base, a yoke secured to the upper end of the vertical support means, a spool of wire removably secured to the yoke, a laterally extending arm adjustably connected to the vertical support means and extending to one side thereof, and a wire guide device supported on the laterally extending arm and comprising a pulley, an attaching member, and a free spring secured between the pulley and the attaching member, said pulley adapted to receive the wire extending from the spool and follow the wire from side to side as it is released from the spool.

2,568,183
MACHINE FOR REMOVING PAINT
Edward E. Bumpus, Oklahoma City, Okla.
Application July 21, 1947, Serial No. 762,436
1 Claim. (Cl. 134—111)



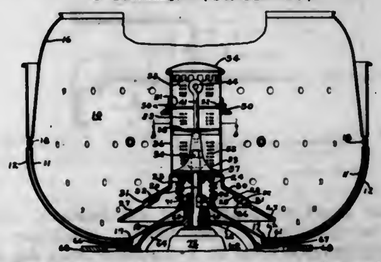
Paint removing apparatus comprising a rectangular housing, an elongated longitudinally extending drainage trough carried by said housing, a sump at one end of said housing communicating with one end of said trough, a longitudinally extending manifold within said housing, pairs of opposed lateral spaced apart branches connected to said manifold and extending along a portion of the length thereof, upstanding nozzle pipes carried by each of said branches and the opposite ends of said manifold, vertically spaced apart nozzles carried by said nozzle pipes and directed inwardly for spraying liquid onto an article within said housing, a pressure pipe connected to one end of said manifold, a suction pipe connected to said sump, a circulating pump connected between said pressure and suction pipes and rotatable, a cylindrical filter screen in said sump and confronting the opening of said suction pipe into said sump for filtering the liquid entering said suction pipe.

2,568,184
FILTER ELEMENT
Joel B. Clark, Youngstown, Ohio, assignor to The Auto Appliance Patents Co., Youngstown, Ohio,
Application October 24, 1946, Serial No. 705,360
3 Claims. (Cl. 210—183)



1. A filter element for use in a housing having a central discharge tube for the filtrate, said element comprising an inner hollow substantially cylindrical filtering part for removing finely divided foreign matter from the liquid to be filtered, said cylindrical filter part having an inner diameter greater than the outside diameter of said discharge tube of said housing to form a space in which filtrate may collect and pass to said discharge tube, gaskets at the end of said cylindrical filter part forming a seal for the space between said tube and said cylindrical part for preventing liquid to be filtered from passing into said space beyond the ends of said cylindrical filter part, a substantially cylindrical container having end walls and a perforate peripheral wall, said end walls being provided with apertures through which said tube may extend, outwardly extending bosses on said end walls substantially concentric with said apertures therein and in which said gaskets are seated in fixed relation to said apertures, said gaskets having portions extending out of said bosses into the interior of said container, annular members engaging said gaskets and said cylindrical filtering part for holding the same in operative relation to said container, and a part mounted on said central discharge tube for applying pressure to said gaskets.

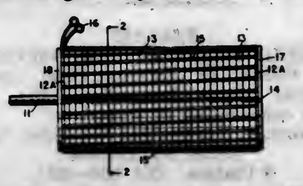
2,568,185
IMPELLER AND DETERGENT DISPENSER
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 22, 1946, Serial No. 711,508
3 Claims. (Cl. 68—17)



2. In a washing machine, a cone-shaped agitator construction having a lower agitating flange and a portion with a central thread at its upper part, a vertically disposed perforated detergent tube resting on said agitator construction and having an intermediate bridge, and a clamping rod having flanged engagement with said bridge and passing through said bridge and being in threaded engagement with said central thread.

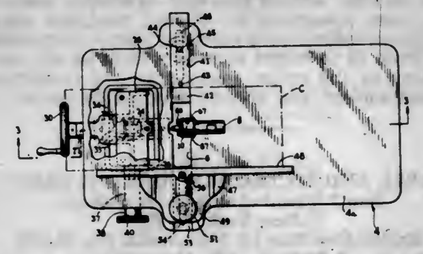
2,568,186
APPARATUS FOR PRODUCING WAVES IN FLUID MEDIA
Francis Weldon Crawford, Bartlesville, Okla., and John S. Kirby-Smith, Oak Ridge, Tenn., assignors to Phillips Petroleum Company, a corporation of Delaware
Application May 3, 1948, Serial No. 24,808
2 Claims. (Cl. 177—386)

1. Apparatus for producing wave motion in a gaseous medium at supersonic frequencies which comprises, in combination, a cylindrical structure formed from stacked slotted annular rings of magnetostrictive material, the slots therein being aligned to form a narrow orifice, means for sealing the ends of said cylindrical structure, means for continuously supplying gas under pressure thru an opening in the sealing means at one end into the interior of said structure, and a coil having its turns lying substantially in radially extending axial planes and wound longitudinally about said cylindrical structure, said coil, when energized by alternating current of



supersonic frequencies, causing corresponding variations in the width of said slot whereby the gas discharged from said orifice is modulated at supersonic frequencies.

2,568,187
MACHINE FOR MAKING CORE BOXES
John O. De Loss, Meadville, Pa., assignor of one-third to Michael J. De Loss and one-third to Alphonso R. De Loss, both of Meadville, Pa.
Application October 21, 1946, Serial No. 704,680
4 Claims. (Cl. 144—136)



1. A machine of the class described comprising a planar surface for supporting and guiding the workpiece, a rotatable shaft mounted below said planar surface with the axis thereof positioned at an acute angle thereto, cutting means arranged on the upper end of said shaft, said cutting means extending through an opening in said planar surface to a point thereabove so as to engage the workpiece when the shaft is rotated, an elongated rectangular-shaped slot arranged in said planar surface directly opposite the opening therein and said cutting means and extending substantially perpendicular to said shaft, a plate-like member slidably arranged in said slot and having at least one pivot hole therein for receiving a dowel pin carried by the workpiece whereby the workpiece may be guided in an arcuate path relative to said cutting means, means for adjustably locking said plate-like member in said slot, and means for driving said shaft.

2,568,188
LIQUID COATING COMPOSITION
John R. Fisher, Jr., Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application November 9, 1949, Serial No. 126,451
9 Claims. (Cl. 260—19)

1. A liquid coating composition comprising a dispersion of 16 to 20 lbs. zinc dust, the particle size of which is not larger than 6 microns and having an average particle size of 3 microns at least 90% of which is capable of passing through a U. S. standard 400 mesh screen dispersed in 60 to 70 fl. ozs. solution containing 40 to 60 per cent low acid resin, having an acid number not ex-

ceeding 6 in said solution, said solution further containing up to 10 fl. ozs. drying oil, 16 to 24 fl. ozs. solvent and about 1 fl. oz. drier.

2,568,189
LIQUID COATING COMPOSITION
John R. Fisher, Jr., Dayton, Ohio, assignor to Industrial Metal Protectives, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application November 9, 1949, Serial No. 126,452
9 Claims. (Cl. 260—29)

1. A liquid coating composition comprising a dispersion of 16 to 20 pounds zinc dust, the particle size of which is not larger than 6 microns and having an average particle size of 3 microns at least 90 per cent of which is capable of passing through a U. S. standard 400 mesh screen dispersed in 50 to 70 fluid ounces solution containing 50 to 60 per cent low acid resin of the class consisting of melamine formaldehyde resins, phenol formaldehyde resins, phthalic acid-glycerol resin, ester gum resins and dammar gum resins having an acid number not exceeding 7 in said solution, said solution further containing 5 to 25 fluid ounces modified synthetic resin of the class consisting of phenol modified alkyd resin and maleic acid modified alkyd resin ranging from 10 to 40 per cent by weight of the resin content of the entire composition, 16 to 24 fluid ounces solvent and about 1 fluid ounce drier.

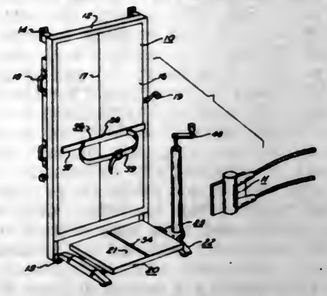
2,568,190
BELL AND METHOD OF MAKING SAME
Ben J. Frankel and Irving Cohen, New York, N. Y.
Application May 10, 1949, Serial No. 92,278
9 Claims. (Cl. 116—170)



1. A jingle bell comprising a bell-shaped body having tangs struck from the material of the body projecting from the body, a crease in said body between said tangs adapted to provide space for receiving the bent over free ends of the tangs, and said tangs being pointed and being of a length sufficient to extend through and grip supporting structure.

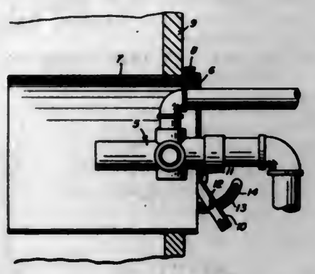
2,568,191
ADJUSTABLE ALIGNMENT PLATFORM FOR X-RAY TABLES
Ralph Clifford Grimm, Cedar Rapids, Iowa
Application March 19, 1949, Serial No. 82,357
2 Claims. (Cl. 311—10)

1. A device of the character described for laterally positioning a subject relative to X-ray apparatus comprising a generally rectangular frame having spaced, longitudinally extending slide rails, a platform disposed thereabove and having longitudinally spaced slides secured to the underside thereof, said slides having laterally spaced apertures therein for slidable mounting on the slide rails, a threaded feed screw mounted below the platform and parallel with the slide rails, the said feed screw having threaded engagement with one of said slides, means preventing longitudinal displacement of the feed screw, a vertical tubular column affixed to the frame adjacent the outer end of the feed screw, a shaft rotatably mounted in said column,



a crank at the upper end of the shaft and a pair of miter gears operatively connecting the adjacent ends of the shaft and the feed screw.

2,568,192
AIR DRAFT REGULATOR FOR OIL BURNERS
James E. Histed, North Hollywood, Calif.
Application January 8, 1948, Serial No. 1,086
1 Claim. (Cl. 158—1.5)

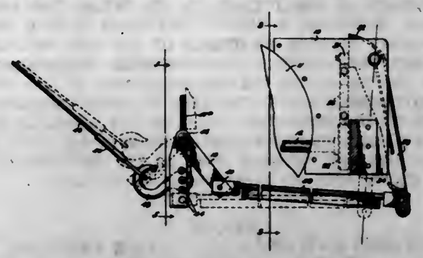


An air draft regulator for oil burners comprising a cylindrical combustion chamber for mounting horizontally in a furnace wall for receiving a burner, said chamber being open at its ends, a circular closure on the outer end of the chamber including a hinged, outwardly and upwardly swinging segmental lower portion constituting a damper operable by gravity to closed position in abutting engagement with the chamber, said closure having openings therein accommodating the burner, a peripheral flange on the closure telescopically receiving the chamber and engageable as a stop with the furnace wall, means on the flange for removably securing the closure on the chamber, and means for securing the damper in adjusted position, said closure constituting means for removably mounting the burner in the combustion chamber.

2,568,193
NUT AND FRUIT TREE SHAKING DEVICE
John Johnson, San Jacinto, Calif.
Application February 2, 1949, Serial No. 74,111
2 Claims. (Cl. 56—328)

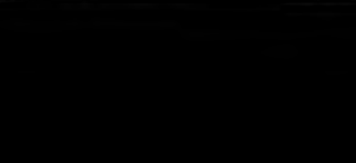
1. A device of the character described comprising, in combination, a tractor, a power take-off shaft for the tractor, a bell-crank lever mounted at the rear of the tractor, an eccentric upon the shaft, an eccentric housing, a link interconnecting the housing and one arm of the bell-crank, a horizontally reciprocable throw arm beneath the tractor pivotally connected to the other

arm of the bell-crank, a hub pivotally connected at the forward end of the tractor, a pair of spaced parallel forwardly extending hook-supporting arms pivotally affixed to the hub, each of said arms provided with a plurality of transverse open-



ings, a dependent lever for moving said hook-supporting arms affixed to said hub and pivotally connected at its outer end to the throw arm, a hook selectively mounted in openings in the supporting arms, and a cable having one end attachable to the hook.

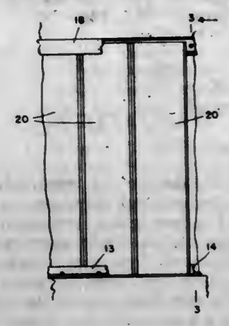
2,568,194
CARBON ROD JACK
Harry A. Johnson, Vancouver, Wash.
Application May 20, 1947, Serial No. 749,373
1 Claim. (Cl. 294—102)



A carbon lifting and holding device, comprising a body including a main section, flanges extending forwardly from the side edges of the main section disposed in parallel spaced relation with each other, one of said flanges being substantially wide and formed with an opening extending therethrough, a vertically swinging pivoted segment eccentrically mounted within the opening adapted to swing inwardly beyond the inner surface of said substantially wide flange gripping a length of carbon over which the device is positioned, teeth on the pivoted segment adapted to bite into the carbon positioned between said flanges holding said carbon against slipping from the device, a handle extending rearwardly from the body, and a pivoted handle mounted on the first mentioned handle by means of which the device is held in the hand of the operator.

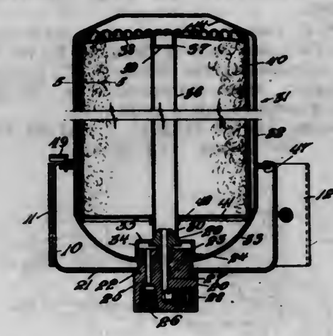
2,568,195
STORM SHUTTER
Herbert S. Jones, Miami, Fla., assignor to John B. Fried, Elmhurst, N. Y.
Application October 8, 1947, Serial No. 778,609
2 Claims. (Cl. 20—58)

1. A demountable shutter structure of the class described including a fixed channeled foot, a spaced channeled header in alignment with said foot, a plurality of independently insertable and separately removable shutter members slidably mounted in said foot and header, each of said shutter members having a substantially V-shaped groove at one end and an angularly disposed flat inclined lip at its opposite end, each inclined lip arranged to overlap and removably to engage the adjacent side of a V-shaped groove in an adjacent shutter member when the parts are assembled so as to provide a continuous shut-



ter structure, and each channeled header having resilient means for yieldably maintaining the shutter members therein.

2,568,196
FILTER
Walter V. Kennedy, Central Falls, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application February 8, 1947, Serial No. 727,353
1 Claim. (Cl. 210—131)



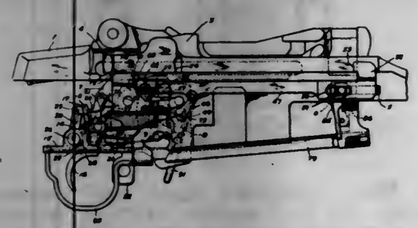
A filter comprising fixed and removable members the fixed member having a projection with a cylindrical surface with an inlet conduit and a discharge conduit extending axially therethrough, a nipple at the axis of said cylindrical projection through which one of said conduits passes, the removable member having a recess to telescopingly receive said projection, an elastically compressible gasket to provide a liquid seal between the wall of said projection and the wall of said recess in which it is telescoped when the projection is in said recess, said removable member provided with a filter cartridge having a conduit to register with and provide a sealing seat with said nipple when the members are assembled to separate the flow through the registering conduit from the other conduit, means communicating the other conduit of said projection through the recessed telescoping portion of said removable member, and interlocking means rigid with each of said members to detachably hold said members in assembled relation by a relative movement of said members a fraction of a revolution, said means providing a camming of said members toward each other to draw the engaging conduits into sealing relation.

2,568,197
ORTHOPEDIC DEVICE
Maria T. Laffin, North Hollywood, Calif.
Application June 20, 1949, Serial No. 100,191
2 Claims. (Cl. 128—76)



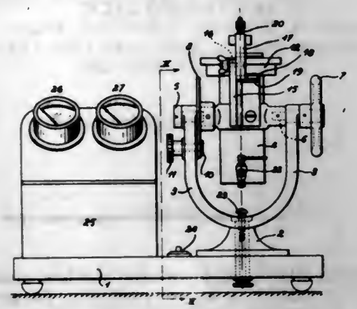
1. An orthopedic device for removable mounting in a mouth of a patient between an upper lip, upper teeth and upper gum, respectively, comprising: a flexible and resilient membranous liquid absorbent element forming a pad-like body of a depth and width sufficient to cover the entire frontal area between the upper lip and dental arch of the upper gum with the lowermost portion only partially overlapping the upper teeth for exposing freely the biting edges of the latter, the said lowermost portion of the body being provided with a formation of a contour conforming to normal maxilla teeth and gum at points adjacent to each other, and means on said element for attaching said element to the upper gum of the wearer, said element having a smooth film covering, forming the lip engaging portion thereof.

2,568,198
MECHANISM TO CONVERT A FIREARM FROM SEMIAUTOMATIC TO FULL AUTOMATIC ACTION
Crawford C. Loomis, Ilion, N. Y., and Kenneth J. Lowe, deceased, late of Ilion, N. Y., by Jane A. Lowe, administratrix, Ilion, N. Y., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 27, 1947, Serial No. 770,879
23 Claims. (Cl. 89—140)



12. An automatic and semi-automatic firearm, including in combination: a receiver; a unit comprising a breech-bolt movable in the said receiver and a bolt-operating member mounted for movement adjacent the said receiver and operatively connected to the said breech-bolt for moving the same; a spring-pressed firing-member provided with a primary cocking-abutment, a secondary cocking-abutment and a tertiary cocking-abutment; a trigger; a primary sear operatively associated with the said trigger for being moved thereby and having a primary cocking-abutment releasably engageable with the primary cocking-abutment of the said firing-member when the said trigger is released; a secondary sear having a secondary cocking-abutment normally releasably engageable with the secondary cocking-abutment of the said firing-member when the said trigger is pulled and movable with respect to the said trigger for being held in a retired position; a tertiary sear having a tertiary cocking-abutment releasably engageable with the tertiary cocking-abutment of the said firing-member; manually-operable control-means engageable with the said secondary sear for releasably holding the same in a retired position; means operatively connecting the said secondary sear to the said trigger to effect the movement of the former by the latter, the said means including a spring yieldingly urging the secondary cocking-abutment of the said secondary sear into position for releasable engagement with the secondary cocking-abutment of the said firing-member and permitting the relative movement of the secondary sear in the opposite direction; and means actuated by the said unit to retire the said tertiary sear as the said breech-bolt moves into its breech-closing position.

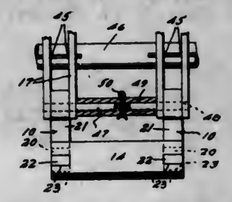
2,568,199
METHOD AND APPARATUS FOR TESTING PAPERS AND THE LIKE
Noël Martinet, Fures, France, assignor to Société des Papiers et Cartons Couchés "Lux," Fures, France, a French joint-stock company
Application February 17, 1948, Serial No. 8,966
In France May 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 5, 1965
8 Claims. (Cl. 175—183)



1. A method for testing permeability of paper and like sheet material to liquids such as ink, which consists in disposing a sample of the material to be tested against a horizontal solid electrode on one of its sides; in bringing the liquid in connection with which permeability is to be measured into contact with the other side of said sample under given conditions of temperature and pressure to form a second electrode for said sample, the said solid and liquid electrodes being inserted in an electric measuring circuit, and in determining the time necessary for the current to reach a predetermined intensity in said measuring circuit.

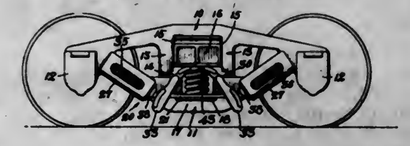
6. An apparatus for testing permeability of paper or like sheet material comprising a bifurcated vertical support; an invertible cylindrical reservoir disposed in said support and pivotally carried thereby about a horizontal axis transverse to the axis of said reservoir, said reservoir having a closed bottom end and an open upper end thereopposite and being adapted to receive in upright position a given quantity of the liquid in connection with which the material is to be tested; means on said reservoir to tightly clamp on said open end a sample of the material to be tested whereby when the reservoir is inverted, the liquid will be supported thereon from below; an insulated electrode pivotally carried by said reservoir about an axis transverse to the axis of said reservoir and laterally disposed with respect to said reservoir, said electrode being adapted to operatively bear against the outer face of said sample when same is disposed on said reservoir; means to lock said electrode at its operative position; and valve means to connect to the atmosphere the closed bottom of said reservoir when the latter has been inverted.

2,568,200
HANGER AND HAMMER ASSEMBLY FOR HAMMER MILLS
George Alexander Millerd, New London, Wis.
Application December 17, 1948, Serial No. 65,877
5 Claims. (Cl. 241—197)



1. In a hammer mill, a hammer bar provided in its opposite ends with transverse slots which extend through the opposite sides of the hammer bar, the opposite ends of the hammer bar also having elongated openings extending substantially at right angles to the slots and crossing the slots and extending beyond the opposite sides of the slots, the openings and slots being of substantially the same depth and having their bottoms terminating longitudinally inwardly of the opposite ends of the hammer bar, and a pair of L-shaped hangers disposed adjacent to the opposite ends of the hammer bar and supporting the hammer bar and including arms which extend transversely of the hammer bar and engage within the slots at the opposite ends of the hammer bar, the arms including transverse elongated heads which extend substantially at right angles to the arms and slots and engage within the elongated openings crossing the slots, the arms and heads being substantially of the same width and of a width substantially equal to the depth of the slots and openings so that the arms and heads are disposed substantially flush with the opposite ends of the hammer bar.

2,568,201
SPRING BOLSTER TRUCK
Carl R. Moline, Homewood, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 25, 1945, Serial No. 595,687
16 Claims. (Cl. 105—197)

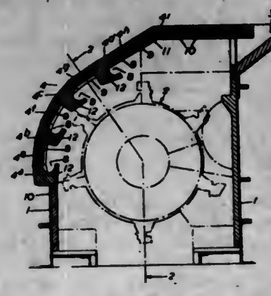


1. In a truck, a side frame having top and bottom chords and columns providing a bolster opening, a bolster having an end portion in the opening, a lever fulcrumed on the side frame having a short arm and a long arm with the former directly engaged by and at all times supporting the bolster, a long-travel, soft spring carried by the side frame and resisting movement of the long arm of the lever in one direction, and means to vary the relative lengths of the lever arms as the bolster descends in the opening.

2,568,202
PROCESS FOR RECOVERING STEROLS FROM MIXTURES THEREOF
Johan Overhoff, Amsterdam-Z, and Johannes Thomas Hackmann, Heiloo, Netherlands, assignors to N. V. Veenendaalsche Sajet- en Vijfschachtfabriek voorheen Wed. D. S. van Schuppen & Zoon, Veenendaal, Netherlands
No Drawing. Application February 14, 1946, Serial No. 647,658. In the Netherlands November 28, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 28, 1961
15 Claims. (Cl. 260—397.2)

1. In the recovery and purification of sterols from mixtures thereof together with other unsaponifiable material, the process which comprises heating such a mixture under substantially anhydrous conditions with a metal salt selected from a class consisting of the halides, nitrates, sulfates, acetates, benzoates, salicylates and sulfonates of the alkali metals, the alkaline earth metals, magnesium, aluminum, iron, tin, chromium, zinc, manganese, cobalt and cadmium thereby forming a sterol-metal salt addition product, separating said addition product from the reaction mixture, decomposing the addition product to produce the free sterol and recovering the latter.

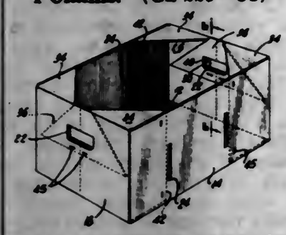
2,568,203
HOUSING FOR IMPACT BREAKING OR CRUSHING MACHINES
George H. Pattinson, Staines, England
Application June 10, 1949, Serial No. 98,352
In Great Britain March 24, 1947
1 Claim. (Cl. 241—285)



A housing for an impact breaking or crushing machine of the kind comprising a housing within which is rotatably mounted a rotor having a number of pivoted hammers thereon, said housing having a portion of the interior wall thereof of arcuate formation with the centre of curvature located at the axis of rotation of the rotor to be used therein, and said arcuate wall portion being composed of a series of circumferentially spaced attrition-resistant anvil blocks which are separated circumferentially by at least one plain surface attrition-resistant spacer block beyond the inner face of which spacer block the adjacent anvil blocks inwardly radially project, each anvil block having that side of the projecting portion thereof which faces in the direction of approach of the hammers of the rotor to be used in said housing formed with a recess presenting a horizontal transversely disposed shelf for retaining a layer of crushed or broken material, the opening of said recess being substantially equal to the width of the housing, and the inner face of each of said spacer blocks being formed with a centrally located set-back surface

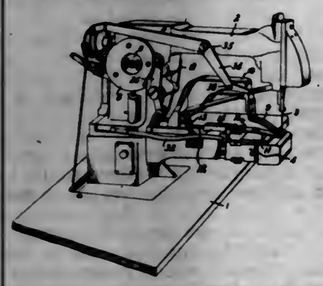
disposed as a smooth continuation of the radially outermost portion of said opening of the recess in the anvil block which faces toward said spacer block.

2,568,204
CONTAINER
Harry C. Reeser, North Hollywood, Calif., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application January 19, 1949, Serial No. 71,571
4 Claims. (Cl. 229—34)



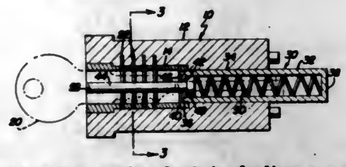
1. A coverless, load-bearing shipping container comprising a substantially rectangular bottom portion, side walls and end walls flexibly connected thereto, end flaps formed at each of said side walls and adapted to overlie and be secured to said end walls, a trapezoidal flap flexibly connected to said end walls centrally of the upper edge thereof, and adapted to be secured in overlapping relationship to said end walls, and corner flaps extending from the upper edges of said end walls adjacent the ends thereof, said corner flaps comprising a triangular portion adapted to extend across the corner of the container and a depending portion adapted to overlie and be secured to said side walls, whereby to provide load-bearing surfaces adapted to support superposed container units in stacked relationship.

2,568,205
MOTION CONTROL FOR WORK CLAMPING MEMBERS OF AUTOMATIC SEWING MACHINES
Jiří Richter, Zlin, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application March 13, 1946, Serial No. 654,092
In Czechoslovakia July 23, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires July 23, 1960
4 Claims. (Cl. 112—104)



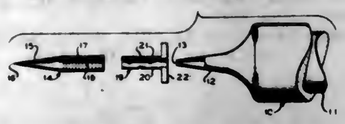
1. In a motion control device for the upper and lower work clamping members of sewing machines, a slidable support common to said members and securing the same in superposed relation, a guide associated with said lower clamping member for guiding said members and said support in a direction of motion longitudinally of the guide, means supporting said guide for motion in a direction transverse to the longitudinal axis thereof to thereby effect a corresponding motion of said clamping members, means actuating said slidable support longitudinally of said guide, and means actuated in timed relation with said support actuating means for imparting said transverse movement to said guide.

2,568,206
KEY EJECTOR FOR LOCKS
Joseph J. Seaman and George E. Rightley, Trenton, N. J.
Application May 11, 1950, Serial No. 161,298
1 Claim. (Cl. 70—388)



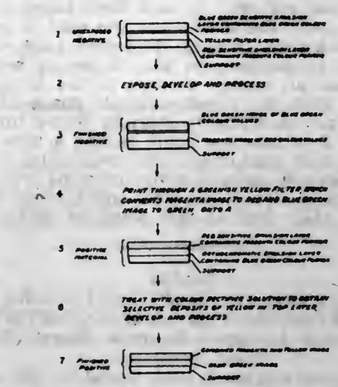
In combination with a lock including a cylinder and a key actuated barrel rotatable in said cylinder from a locked position wherein a key may be slid inwardly and outwardly therein to an unlocked position wherein sliding of the stated key is prevented, a tubular holder secured to and rotatable with said barrel, an ejecting plunger slidable in said holder and projectable into the barrel, and resilient means in said holder for urging the plunger into the barrel to automatically eject a key from the latter when the same is in its locked position, said barrel being provided with a screw-threaded counterbore, said holder having an end wall at one end and externally and internally screw-threaded portion at the other end thereof, the externally threaded portion of said holder being secured in said counterbore, and externally screw-threaded bushing provided in the internally threaded portion of said holder, said plunger being slidable through said bushing, and an enlarged head provided on said plunger in said holder, said resilient means comprising a compression spring interposed between said end wall and said head.

2,568,207
SURGICAL PIERCING DEVICE
Robert W. Spicher, Havre, Mont.
Application March 8, 1949, Serial No. 80,195
4 Claims. (Cl. 128—329)



1. An ear lobe piercing instrument comprising a hollow needle having a point at one end with an opening therethrough and being open at the other end, a hollow shaft open at both ends removably positioned within said hollow needle and projecting outwardly from the other end of said needle, said hollow shaft being formed with openings extending transversely therethrough and a syringe having its discharge nozzle positioned in the projecting end of said shaft for feeding a fluid to the hollow needle and through the point opening into the ear, said hollow needle being removable from said shaft after insertion into an ear leaving said shaft in the pierced ear, said shaft being adapted to be closed at both ends for retaining a medication therein.

2,568,208
COLOR PHOTOGRAPHY
Hans Von Fraunhofer, Finchley, London, and Harry Edward Coote, London, England
Application March 28, 1947, Serial No. 737,992
In Great Britain February 17, 1947
2 Claims. (Cl. 95—2)



1. Process for preparing natural colour prints on positive photographic material having only two light sensitive silver halide emulsion layers containing dyestuff components superimposed on a base layer, said dyestuff components being capable of forming a dye in the places of the silver picture upon being contacted with a colour forming developer, said process comprising forming in one layer of an integral bipack colour separation negative a magenta image recording red from a natural subject, forming in the other layer of said negative a blue green image recording blue green from said subject, exposing said positive through the formed negative and through a greenish yellow filter, said positive material having a red sensitive silver halide emulsion layer, containing a magenta dyestuff component coated on a base and an orthochromatic sensitive layer containing a blue green dyestuff component superimposed on said red sensitive layer, developing the exposed positive material and causing colour coupling of the dyestuff components to take place therein whereby a magenta image is formed of the negative record of the natural red and a blue green image is formed of the negative record of the natural blue green, and forming a selective yellow deposit on the silver image in the magenta coloured layer of the exposed positive whereby a range of colours from deep red to yellow is formed in the magenta coloured layer of said positive which in combination with the blue green coloured image in the outer layer of the positive will result in a natural rendition of the colours of the subject.

2,568,209
OXYGEN-BF_3-HYDROCARBON COMPLEX CATALYST
Richard C. Wackher, La Grange, and Carl B. Linn, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Original application October 31, 1945, Serial No. 625,949. Divided and this application June 15, 1949, Serial No. 99,368
10 Claims. (Cl. 252—429)

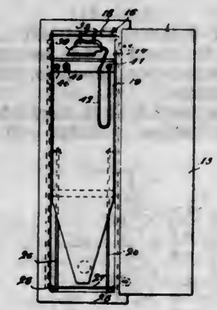
1. A solid oxygen-containing hydrocarbon complex of boron trifluoride, said complex being the reaction product of oxygen, boron trifluoride, and a hydrocarbon at a temperature above about 150° C.

2,568,210
RADIO TUBE EXTRACTOR
Joseph William Whitney, Conway, Pa.
Application December 6, 1945, Serial No. 633,139
1 Claim. (Cl. 294—20)



A radio tube extractor comprising a sleeve, a pair of arcuately bowed members tapered in width from their upper to their lower edges and positioned for axial movement in said sleeve, resilient means connecting the tapered members at their upper extremities biasing the lower extremities radially outwardly against said sleeve, wedge members on the lower exterior surface of said tapered members for engagement by said sleeve, said tapered members being axially slotted to permit expansion and contraction thereof and defining wedge-shaped fingers, said fingers having smooth inner surfaces for gripping without marring the base of a radio tube, said wedge members being positioned medially and axially upon the fingers and engageable simultaneously by said sleeve to collapse said fingers for gripping engagement.

2,568,211
COMBINED MOUNTING FOR IRONING BOARDS AND IRONS
Dick Woelke, Edna, Kans.
Application May 14, 1948, Serial No. 27,126
5 Claims. (Cl. 38—107)



1. A mounting for ironing boards comprising, in combination with an ironing board and an upright cabinet for containing the ironing board, said cabinet including upright side walls having

opposed inwardly opening grooves, means pivotally connected to the side edges of the ironing board adjacent one end of the ironing board and slidably engaging said grooves, a pair of braces pivotally supported at their lower ends in the bottom of the cabinet below said means and pivotally connected at their upper ends to the ironing board intermediate of the ends of the latter for causing the other, free end of the ironing board to swing outwardly and upwardly relatively to the cabinet as said means slides downwardly and for causing the free end of the ironing board to swing downwardly and inwardly as said means is slid upwardly, said means comprising an arch-shaped member, and means for suspending an iron detachably on said arch-shaped member above and adjacent the first mentioned end of the ironing board whereby the weight of the iron will urge the arch-shaped member downwardly for urging the free end of the ironing board to swing outwardly and upwardly to a horizontal position.

2,568,212

COLOR-REFLECTING PLASTIC BUTTON

William Backman, Sacramento, Calif.

Application March 4, 1947, Serial No. 732,334
2 Claims. (Cl. 41—21)



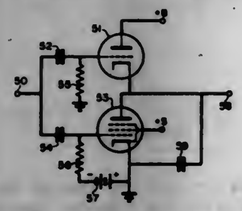
1. A color-reflecting button comprising two halves made of light-transmitting material; each half having a flat surface; the flat surfaces abutting one another and being bonded together with a coloring material extending over the bonded surfaces to form a colored plane protected by the button halves from opposite sides of the plane; each half also being provided with a light-reflecting surface whose plane extends at an angle to the colored plane; each half further being provided with a surface constituting the top surface of the button; the top surfaces of the button halves lying in the same plane and making an angle with the light-reflecting surfaces; said light-reflecting surfaces being disposed on opposite sides of the button and converging downwardly toward each other from the top surfaces so that the reflected colored plane can be viewed when looking at the top of the button.

2,568,213

PULSE-WIDTH DEMODULATOR

Carl C. Bath, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware

Application April 3, 1947, Serial No. 739,218
6 Claims. (Cl. 250—27)



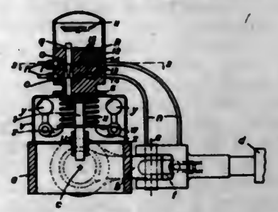
1. A detector for pulse-width modulated signals comprising: a first and second electron discharge tube, each having at least an anode, a cathode and a control electrode; a source of potential; means connecting the cathode of said first tube to the anode of said second tube and connecting the space discharge paths of said tubes in series with said source of potential; a source of width modulated pulses, a differentiating circuit connected between said pulse source and the control grid of said first tube; means coupling said pulse source and the control grid of said second tube; means rendering said second tube non-conducting in the intervals between pulses; and an energy storage device connected in shunt with the anode-cathode space of said second tube; said energy storage device forming with said first tube a circuit having a time constant less than that of said differentiating circuit, and said energy storage device forming with said second tube a circuit the time constant of which is greater than that of said coupling means.

2,568,214

ROTARY WING AIRCRAFT STRUCTURE AND INTERCONNECTED DAMPING DEVICE

James Allan Jamieson Bennett, Round Riding Road, Scotland

Application August 5, 1946, Serial No. 688,450
In Great Britain September 21, 1945
12 Claims. (Cl. 170—160.55)



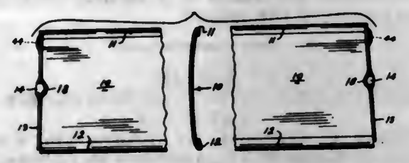
1. In a rotary wing aircraft having articulated rotor blades including drag hinges, means for damping movement of the blades about said drag hinges, said damping means being connected between said blades and aircraft structure with respect to which said blade moves about its drag hinge, control means connected to said damping means for varying the degree of damping, actuating means engaging said control means for operation of said control means and means operatively associated with said actuating means coordinating the movement of said actuating means with the displacement of said blades.

2,568,215

METAL SHUTTER

Lemual G. Brown, Oklahoma City, Okla.

Application September 6, 1946, Serial No. 695,155
4 Claims. (Cl. 189—62)



3. In shutter construction, wherein a substantially rectangular frame opening is spanned by a plurality of vertically spaced horizontally disposed louvers, said louvers being pivotally mounted in the frame on horizontal axes, so that the outer horizontal edges thereof may be swung downwardly into overlapping relation with the inner edges of the next subjacent louver: a substantially straight wing at each end of each louver and lying substantially perpendicular to the louver face, the two wings of each louver converging toward one longitudinal edge thereof.

2,568,216

METHOD OF MAKING RESINS OF TURPENTINES AND VINYL CYCLOHEXENE

Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania

No Drawing. Application August 23, 1948, Serial No. 45,783
7 Claims. (Cl. 260—88.1)

1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene) and a turpentine selected from the group consisting of gum spirits of turpentine, sulphate turpentine and wood spirits of turpentine derived by solvent extraction from dry wood of conifers, and mixtures of them, in a proportion of vinyl cyclohexene equal to from 10% to 50% the weight of the blend into reactive contact with an acid-reacting metal halide polymerization catalyst in the presence of an inert solvent diluent for the polymers of the said vinyl cyclohexene and turpentine, to form hard resin polymers of vinyl cyclohexene and turpentine in solution, and recovering the resin polymers so formed.

2,568,217

METHOD OF MAKING CAMPHENE AND VINYL CYCLOHEXENE RESIN

Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania

No Drawing. Application August 23, 1948, Serial No. 45,785
7 Claims. (Cl. 260—88.1)

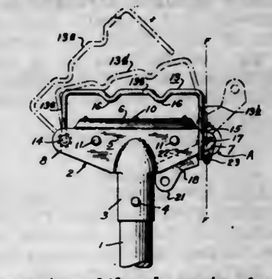
1. The method of producing hard resin polymers by bringing a mixture of 1-vinyl cyclohexene-3 (cyclic dimer of butadiene) and camphene in a proportion of vinyl cyclohexene equal to from 10% to 50% the weight of the blend into reactive contact with an acid-reacting metal halide polymerization catalyst in the presence of an inert solvent diluent for the polymers of the said vinyl cyclohexene and camphene, to form hard resin polymers of vinyl cyclohexene and camphene in solution, and recovering the resin polymers so formed.

2,568,218

MOP CLAMP WITH LOCKABLE SPRING BAR

Thomas J. Campbell, San Francisco, Calif.

Application August 5, 1947, Serial No. 766,163
2 Claims. (Cl. 15—150)



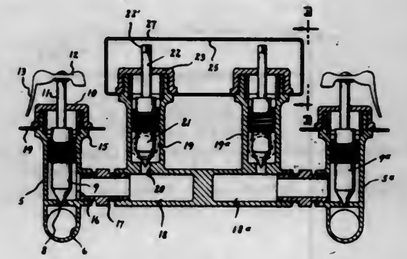
1. An apparatus of the character described comprising an elongated body having opposed longitudinal diverging flanges providing a longitudinal groove at one edge portion of said body, a plurality of longitudinally spaced teeth in said groove, an inherently spring tensioned clamping bar having an end leg pivotally mounted at one end of the elongated body and adapted selectively to swing toward and away from said body, the opposite end of the clamping bar having a leg terminating in a looped stirrup adapted for encircling the opposite end of the body, and lever means pivotally fulcrumed at said last mentioned end of the elongated body and having means for engaging the stirrup, said stirrup engaging means, when in locked position, being offset inwardly from the transverse vertical plane of the lever fulcrum pivot, whereby the stirrup end of the clamping bar may be moved arcuately relatively to said last mentioned end of the elongated body and selectively between a free position and a locked position at the adjacent end portion of the said body.

2,568,219

SAFETY VALVE

Theodore W. Charest, East Hartford, Conn., assignor, by direct and mesne assignments, to The Adjusto Sales Corporation, Hartford, Conn., a corporation of Connecticut

Application August 8, 1946, Serial No. 689,297
1 Claim. (Cl. 277—57)



A safety valve comprising a regulating valve housing having an inlet pipe communicating with the lower end thereof and a valve seat therein above the inlet pipe, a regulating valve member in said housing above said seat for engaging the same, a nipple extending laterally from said housing above said seat, a master valve housing having a lower chamber end threaded onto said nipple, said camber being closed and having a seat in the top wall thereof, a master valve member in said master valve housing outside said chamber for engaging the valve seat in said chamber, and a constantly open air vent pipe upstanding from the lower end of said regulating valve housing and communicating therewith below the valve seat therein to vent air pressure caused by fuel entering said inlet pipe, said air vent pipe upstanding above said master valve.

2,568,220

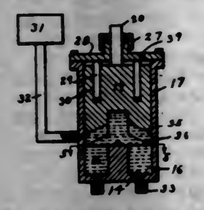
DUAL MASTER CYLINDER FOR HYDRAULIC AUTOMOBILE BRAKES

Benjamin H. Christopher, Jr., Baltimore, Md.

Application July 13, 1946, Serial No. 683,488
2 Claims. (Cl. 60—54.6)

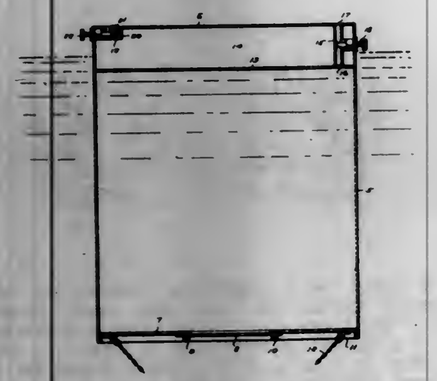
1. A device of the character set forth comprising a master cylinder, a master piston operating in said cylinder, operating means connected to said piston, subcylinders formed integrally and in direct communication with said master

cylinder and each connected to a brake operating mechanism, subpistons operating in the subcylinders, said subpistons forming integral and spaced-apart extensions of said master piston and said subcylinders having a common separating wall coextensive and cooperating with the



space between the subpistons, and passage means in the peripheral wall of said master cylinder controlled by said master piston and subpistons for venting the space between the subpistons when said master piston and subpistons are nearing the end of their lower stroke.

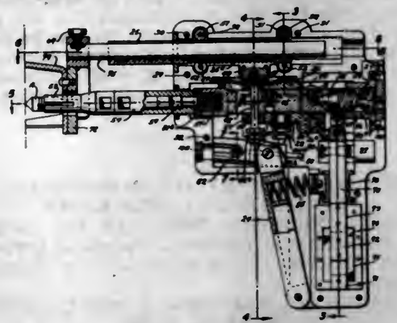
2,568,221
LIVE BAIT BUCKET
William Comello, St. Joseph, Mo.
Application December 31, 1949, Serial No. 136,290
4 Claims. (Cl. 43—56)



1. A live bait bucket of the character described, comprising a cylindrical container closed at its bottom and having a perforated top, a perforated access door hinged to the top, an air chamber formed in the bottom of the container, an air relief valve communicating with the interior of the container and with the atmosphere, and a valve communicating with the atmosphere and with the interior of the air chamber.

2,568,222
PORTABLE END WELDING DEVICE
John D. Crecca, Elizabeth, and Walter E. Palmer, Cresskill, N. J.
Application February 19, 1951, Serial No. 211,628
4 Claims. (Cl. 219—4)

1. Gun type welding apparatus characterized by compactness and relatively light weight adapted for the arc-welding of studs, bolts and the like to the surface of a metallic plate comprising a hollow stock body, a hollow grip handle integral with said hollow stock body and extending at right angles from one end thereof, a positioning plunger rod resiliently mounted in the upper part of said stock body adjustably movable with respect thereto and lockable therein in any one of a plurality of positions, a supporting plate structure adjustably attached to said plunger rod and adapted to contact the surface of said metallic plate around the area to be welded and to thereby position said stock body with respect to the surface of said plate, a second plunger resiliently and movably mounted within said stock body, in parallel with said plunger rod, said second plunger extending exteriorly of said stock body, a chuck piece for holding a stud to be welded in contact with the surface of said plate securely attached to the exterior end of said second plunger, a trigger pivotally mounted on said handle and extending into said stock body, a solenoid coil and armature mounted in said handle, said armature connected by linkwork to said second plunger and adapted to move said second plunger in a direction away from the surface of said plate when said solenoid coil is energized, an electrical control switch positioned in said stock body to be closed by mechanism operated by said trigger, a first train of mechanism in said stock body operable by said

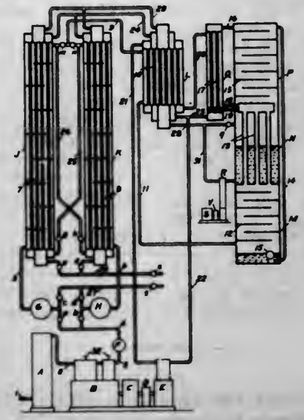


trigger to lock said plunger rod with respect to said stock body, a second train of mechanism in said stock body operable by said trigger to release said second plunger to be subject to forward biasing by its resilient mounting, an electrical welding circuit including therein the plate and the stud to be welded thereto and an electromagnetically operated switch, a second electrical circuit connected to said solenoid coil and including an electro-magnetically operated switch therein and a timer operatively in circuit with said control switch and with said electromagnetic switches whereby upon closing of said control switch the said timer for a predetermined period of time closes the electromagnetically operated switches in the welding and solenoid circuits thereby feeding welding current through said stud and plate and substantially simultaneously withdrawing said stud from the surface of said plate a distance sufficient to strike an arc therebetween and whereby upon opening of said circuits by said timer the solenoid is deenergized, the welding current is cut off and the stud is moved forward into the puddle of molten metal formed between the stud and the surface of said plate.

2,568,223
PROCESS AND APPARATUS FOR EXTRACTING OXYGEN FROM ATMOSPHERIC AIR
William Lane De Baufre, Lincoln, Nebr.
Application October 20, 1944, Serial No. 559,620
9 Claims. (Cl. 62—123)

1. Process of extracting oxygen from atmospheric air including compressing the atmospheric

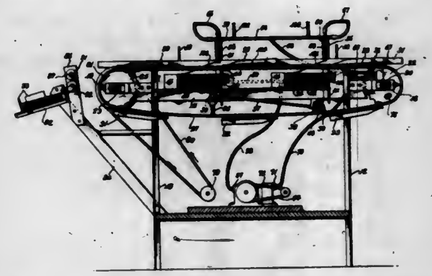
air, passing the compressed air through absorbent material which absorbs moisture therefrom, passing the partly dried compressed air over cooling surfaces on which frost is deposited as the compressed air is cooled by heat exchange with returning nitrogen-rich gas, further cooling and more or less liquefying the dried compressed air, subjecting the more or less liquefied compressed air to a preliminary rectification to separate it into nitrogen-rich gas and oxygen-rich liquid, subjecting the oxygen-rich liquid to a final rectification under reduced pressure to separate it into a nitrogen-gas product and an oxygen-liquid product, vaporizing part of the oxygen-liquid product for utilization as reflux vapor in the final rectification by heat exchange with the nitrogen-rich gas to liquefy part of it for utilization as reflux liquid in the preliminary rectification, expanding the remaining nitrogen-rich gas with performance of external work to remove excess



heat from the process, returning the expanded nitrogen-rich gas in heat exchange with the compressed air whereby the nitrogen-rich gas is warmed to about atmospheric temperature, passing the warmed nitrogen-rich gas over surfaces upon which frost had previously been deposited by the compressed air whereby frost is removed therefrom, passing the nitrogen-rich gas through absorbent material which had previously absorbed moisture from the compressed air whereby moisture is expelled therefrom, changing the flow of compressed air to pass through the absorbent material from which moisture has been expelled and to pass over the surfaces from which frost has been removed by the returning nitrogen-rich gas, and at the same time changing the flow of returning nitrogen-rich gas to pass over the surfaces upon which frost has been deposited and to pass through the absorbent material which has absorbed moisture from the compressed air.

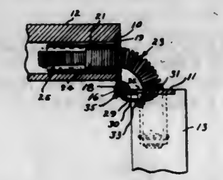
2,568,224
PAPER GATHERING MACHINE
Carl W. Didde and Donald A. Glaser, Emporia, Kans.
Application September 8, 1948, Serial No. 48,204
5 Claims. (Cl. 270—58)

1. A paper gathering machine comprising means for supporting a plurality of stacks of flat sheets of paper with the stacks arranged in alignment longitudinally of the machine in equally spaced relationship, an endless conveyor having an upper reach extending over the tops of the stacks and a lower reach extending beneath the stack supporting means, a plurality of trays equally spaced along said conveyor by distances equal to the spacing of the stacks, lift means operative while the trays on the upper reach of said conveyor are between stacks for lifting a single sheet from each stack and for releasing such sheets onto the trays when such trays have moved between the lifted sheets and the tops of the stacks, each of said trays being provided with an abutment member on its upper surface for engaging the trailing edges of the sheets superposed



on the tray and for pushing such sheets forwardly with the tray, said abutment member being positioned relative to the leading edge of the tray to cause at least portions of the leading edges of the superposed sheets to project from the tray, and cooperating discharge members positioned adjacent the end of the upper reach of said conveyor for gripping the projecting portions of the superposed sheets and pulling such sheets from the trays.

2,568,225
DOOR HINGE
John P. Doman, Los Angeles, Calif., assignor to Victor P. Doman, Los Angeles, Calif.
Application March 3, 1944, Serial No. 524,872
1 Claim. (Cl. 16—180)

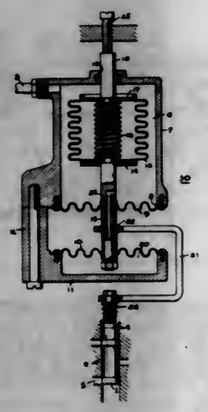


In a hinge for a door as described, a pair of butts having interfitting bearing portions and a bearing pin, a resilient element extending through apertures in said butts to cause closing movement of the door, each said butt having a tubular housing portion for a portion of said resilient element, said resilient element being secured to one of said housing portions and freely slidable in the other of said tubular housing portions, said element comprising a coiled spring having a second coiled spring therewithin, the coil windings of said springs being oppositely directed.

2,568,226
PRESSURE RESPONSIVE DEVICE
George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application April 3, 1947, Serial No. 739,052
4 Claims. (Cl. 137—156.5)

1. The combination of means defining a closed fluid chamber having one wall including an an-

nular axially flexible diaphragm, said chamber being subjected to a variable pressure different from the pressure in the space surrounding the chamber a second diaphragm of the same effective area axially spaced from said first diaphragm and forming one wall of a closed chamber disposed on the side of the diaphragm opposite said first chamber, a stem rigidly connecting the centers of said diaphragms and projecting into said first chamber, means within one of said chambers for applying a control force to said stem variable in accordance with pressure changes in said variable pressure chamber, means establishing continuous communication between said chambers to equalize the pressures therein, and means connected to said stem externally of said chambers and adapted for connection with a device to be operated.

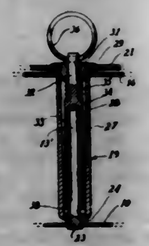


2,568,227

LOOSE-LEAF BINDER

Max W. Federbush, New York, N. Y.

Application September 22, 1950, Serial No. 186,138
1 Claim. (Cl. 129—8)



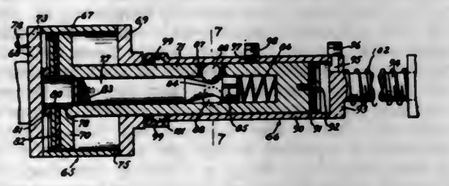
A loose leaf binder construction comprising binder cover parts having overlapping flanges, one of said parts having upstanding pin projections adapted to enter respectively openings in the loose leaves, a narrow plate having pin projections extendable in the opposite direction and adapted to enter respectively other openings in the loose leaves, said narrow plate having a large hole midway its length thereof, the other binder cover part having an inwardly extending flange adapted to overlie the narrow plate when the cover parts are brought together, a sleeve fastener assembly rigidly fixed to the flange of the other binder cover part and adapted to extend through the large hole in the narrow plate and over one of the pins projecting upwardly from the one binder cover part, said sleeve assembly comprising a sleeve having an internal tapered opening and a top flange adapted for engagement with the underside of the binder cover part flange, a slightly tapered plug extending through the inwardly extending flange of the other binding cover part and having a flange overlying the upper side of the other binder cover part flange and an axial opening extending therethrough, said plug tightly fitted in the flanged end of the sleeve and the flanges of the sleeve and plug cooperating with the other cover binder part flange to fix the sleeve fastener assembly to the other binder cover part flange, an operating member in said sleeve, and slidable through said plug axial opening said operating member having a hollow sleeve portion adapted to receive one of the pins of the one binder cover part and a shoulder portion, a plurality of circumferentially spaced openings in the lower end of said hollow sleeve portion, gripping balls lying respectively in the circumferentially spaced holes and operable over the tapered internal surface of the sleeve, a spring surrounding the operating member and engaging the slightly tapered plug and the shoulder portion on the operating member whereby to normally urge the operating member outwardly of the sleeve and the gripping balls in tight engagement with the internally tapered opening of the sleeve, a pull ring fixed on the outer end of the operating member and extending laterally thereof whereby to act, against the flange of the slightly tapered plug to serve as a stop to limit the outward movement of the operating member and to confine the gripping balls within the end of said sleeve.

2,568,228

TWO STAGE FLUID PRESSURE CYLINDER

Harry D. Forse, Anderson, Ind.

Application October 31, 1947, Serial No. 783,321
1 Claim. (Cl. 60—97)



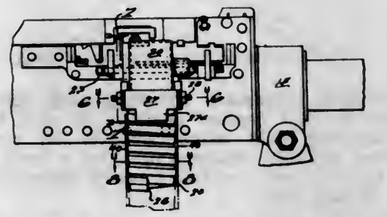
Fluid driving mechanism, comprising a cylinder of large diameter adapted for mounting in a device to be fluid driven, a piston movable in this cylinder, a hollow piston rod attached thereto also serving as the piston for a smaller diameter movable cylinder, the closed end of which is also provided with means for attaching to said device to be fluid driven, a spring restrained piston movable in said hollow piston rod, means whereby said hollow piston rod may be lockerd immovably to said smaller movable cylinder after said smaller cylinder reaches a predetermined position, control means for supplying fluid to said smaller cylinder and further control means for bypassing said fluid to said larger cylinder after said predetermined position has been reached by said smaller cylinder, means normally tending to bias the movable elements of the device to a starting position and means for exhausting all fluid from said device to permit said movable elements to return to said starting position under the urging of said biasing means.

2,568,229

EXPENDED CLIP CARTRIDGE CHUTE FOR MACHINE GUNS

Alfred W. Gardes, Detroit, Mich., assignor to McCord Corporation, Detroit, Mich., a corporation of Maine

Continuation of application Serial No. 507,060, October 21, 1943. This application March 5, 1948, Serial No. 13,154
1 Claim. (Cl. 89—33)



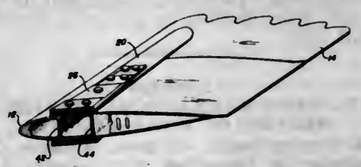
For use with a machine gun, an expended cartridge clip chute comprising a generally vertical flexible tube formed of a single strip of thin resilient material spirally wound to form overlapping convolutions and to define a tube of rectangular cross section generally conforming to the shape of the expended cartridge clip and having a cross section large enough to accommodate the passage of only a single clip at one time, an attachment bracket for detachable engagement with the machine gun, said attachment bracket being internally coated with a hard wear-resistant coating, means for detachably securing said tube to said bracket, said attachment bracket being formed of a strip of sheet metal of generally U-shaped cross-sectional configuration and provided with a detachable guide plate bridging the open legs of the U whereby the entire inner surface of the U-shaped configuration of said attachment bracket may be completely exposed for subjecting the interior to the action of a plating bath, said attachment bracket and guide plate being provided with cooperating interengaging means for holding said guide plate against lateral movement relative to said attachment bracket, and said clip chute being provided with means for engaging said guide plate and holding it against vertical displacement relative to said attachment bracket.

2,568,230

ROTOR BLADE RETENTION OF A BOLTED AND CEMENTED CONSTRUCTION

Michael E. Gluhareff, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application September 10, 1948, Serial No. 48,743
9 Claims. (Cl. 170—159)



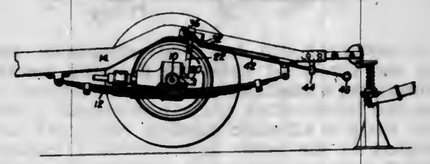
9. In a metal rotor blade for rotary wing aircraft, a spanwise load carrying spar, a blade retention fitting by which the blade is adapted to be connected to a rotor hub, said fitting having upper and lower plate-like members between which the root of said spar is receivable, fastening means extended through the overlapping portions of said spar and fitting, reinforcing plates between said members and said spar having perforate inboard portions through which said fastening means extend and imperforate portions outboard of said fitting which overlie the upper and lower surfaces of said spar, and adhesive means between the imperforate portions of said plates and the surfaces of said spar for providing load carrying areas free from stress concentrations.

2,568,231

VEHICLE SPRING HOLDING DEVICE

Harry C. Grossman, Baltimore, Md.

Application March 9, 1950, Serial No. 148,579
6 Claims. (Cl. 280—150)



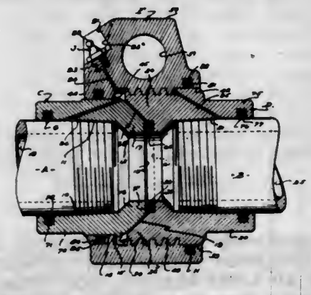
1. A device for selectively locking the axle of an automobile to the frame thereof comprising a bracket adapted to be secured to the frame of a vehicle, a latch rod pivotally secured to said bracket, a series of notches on said rod, a lever pivotally attached to said bracket whereby said lever is pivotable to an over-center position relative to the pivoting point of said latch rod, a spring terminally attached to said latch rod and said lever, said spring being attached to said latch rod below the rod pivot point, a latch plate on the axle, said spring selectively holding said latch rod in engagement with or out of engagement with said latch plate.

2,568,232

UNION TYPE COUPLING FOR PIPES OR THE LIKE

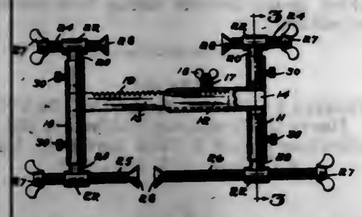
Leland S. Hamer, Long Beach, Calif.

Application July 28, 1949, Serial No. 107,225
4 Claims. (Cl. 285—122)



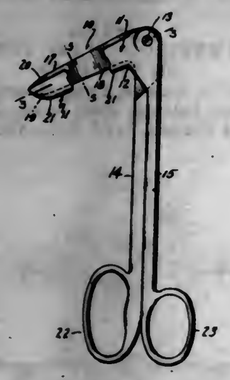
1. A pipe union including, two pipe sections each with an outer end portion having a pipe receiving thread and an end portion with an end face, a sleeve surrounding a portion of each section and having threaded engagement with the exterior of one pipe section and having shouldered engagement with the other pipe section and releasably holding the inner end portions of the sections in abutting engagement, sealing means between the said end faces of the pipe sections, and sealing means between the sleeve and each pipe section including packing rings in the sleeve and around the sections beyond each end of the threaded engagement of the sleeve with the first mentioned pipe section.

2,568,233
ADJUSTABLE CLAMPING AND SPREADING FIXTURE
Burton C. Hamilton, Brookline, Mass.
Application April 17, 1948, Serial No. 21,628
1 Claim. (Cl. 144—299)



A combined jack and multi-adjustable clamping and spreading fixture of the kind described, comprising a lengthwise telescoping member having two interlocking parts, and means to secure said parts in adjusted position, each part having secured to the outer end thereof a transverse socket member holding a rotating and sliding stem therein with set screws to fix each of said stems in desired relation in their respective sockets, the outer end of each of said stems being formed with a transverse internally threaded sleeve carrying a correspondingly threaded clamping screw, and each of said sleeves extending on both sides of said socket members.

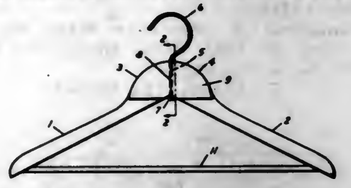
2,568,234
EPISIOTOMY SCISSORS
Fred Haufrect, Houston, Tex., assignor of twenty per cent to Roy Tashnek, Houston, Tex.
Application March 9, 1949, Serial No. 80,439
3 Claims. (Cl. 128—318)



1. An episiotomy scissors, comprising, a pair of pivotally connected blades, a pair of handles connected at an acute angle to said blades, and a laterally extending tip portion on the free end of the outer one of said blades, whereby to form a guard therefor.

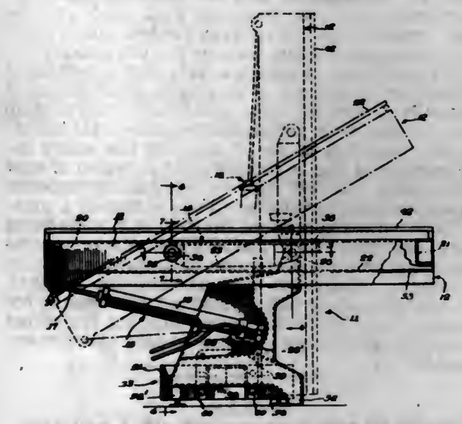
2,568,235
GARMENT HANGER
Edward O. King, Farmersville Station, N. Y.
Application May 2, 1947, Serial No. 745,535
3 Claims. (Cl. 223—92)

1. A garment hanger comprising oppositely extending, inclined arms with enlarged headed portions with abutting faces defining a comparatively long, vertically extending joint therebetween, a comparatively flat high tensile strength splicing member centered on and disposed over said joint and covering a major portion of one side of said headed portions of said arms and having at least a portion of one side thereof comparatively smooth to take a conventional ink,



an adhesive substance adhering said splicing member to said headed portions of said arms and securing said arms together in predetermined angular relationship, and a hook secured between said abutting faces of the enlarged heads on said arms.

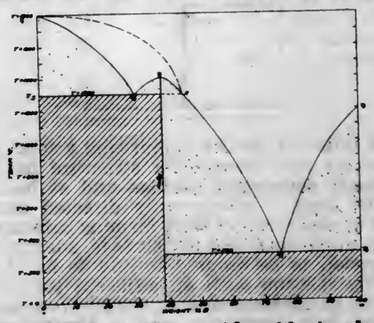
2,568,236
TILTING CANTILEVER TABLE TOP STRUCTURE
Arthur J. Kizaur, Wauwatosa, Wis., assignor to General Electric Company, a corporation of New York
Application January 26, 1948, Serial No. 4,446
10 Claims. (Cl. 311—6)



1. A tilting table structure comprising a support base, a table frame, means to support said table frame on said base, in cantilever fashion, comprising a link having pivotal connection respectively with said base and frame, on one side of the frame only, said link serving to support said table frame for tilting movement on the base on tilting axes defined by bearings spaced apart on said link.

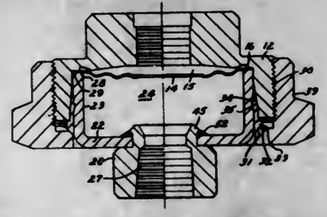
2,568,237
BATCH FOR REFRACTORY MASSES AND METHOD OF CONSOLIDATING
Frank Eugene Lathe, Ottawa, Ontario, Canada, assignor to Canadian Refractories Limited, Montreal, Quebec, Canada, a corporation of Canada
Application August 3, 1946, Serial No. 688,264
In Canada July 16, 1946
7 Claims. (Cl. 106—57)

1. A method of consolidating refractory materials, which comprises mixing discrete particles comprising essentially refractory oxide material from a group consisting of lime, magnesia, alumina and zirconia with non-refractory material comprising essentially a low-melting compound of said oxide and being one of a group consisting of calcium silicate and calcium magnesium silicate when said oxide is lime and lime with magnesia present, magnesium silicate and magnesium aluminum silicate when said oxide is magnesia, barium zirconate when said oxide is zirconia, and



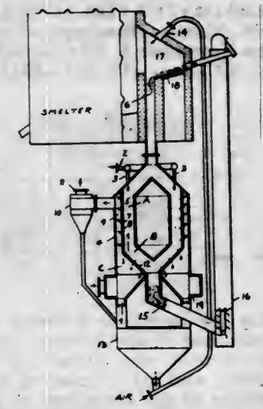
aluminum silicate when said oxide is alumina, said non-refractory material becoming liquid at a temperature between 1321 and 1550° C., the mixture containing not less than 50% by weight of said discrete particles, and heating the mixture to not less than 1321° C. to melt said non-refractory material, and thus consolidate said particles into a highly refractory mass.

2,568,238
FLUID SEPARATING DIAPHRAGM IN FITTING FOR PRESSURE GAUGES
Ambrose E. Le Van, Sellersville, Pa., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application February 27, 1946, Serial No. 650,434
3 Claims. (Cl. 73—395)



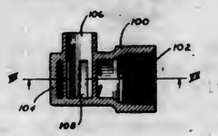
1. A device which can be cleaned for protecting a pressure gauge against harmful fluids, comprising in combination, a gauge containing a pressure-responsive device, a cup-shaped base for said gauge having a central passage leading to the pressure-responsive device, conically tapered side walls on the inside of said cup-shaped base and an annular surface in the bottom of the cup-shaped base adjacent to its side walls; a circular metal diaphragm adapted to be fused to said base along said annular surface to close off the inlet through the base, an inert liquid filling the pressure-responsive device and said passage and the space between the diaphragm and the bottom of the cup-shaped base, a cup-shaped cylindrical stamping adapted to pass into the cup-shaped base and to crowd the diaphragm against said annular surface, an annular wedge-shaped piece fitting into the space between the cylindrical outside portion of the said stamping and the inside of the conically tapered side walls of said cup-shaped base, means mounted on said gauge and engaging said annular piece for drawing the said wedge-shaped annular piece more tightly into said space after assembly of the parts, a passage extending through the bottom of said cup-shaped cylindrical stamping for transmitting the fluid whose pressure is to be measured to said diaphragm.

2,568,239
ART OF TREATING BLACK LIQUORS
Harald E. Lonngren, New York, N. Y.
Application March 29, 1949, Serial No. 84,237
2 Claims. (Cl. 202—14)



1. The process of treating black liquor which comprises: providing a distillation zone having a downwardly moving bed of refractory pebbles therein; continuously feeding pebbles at a temperature between 1000 and 1800° F. to the top of said bed; continuously spraying black liquor feed containing about 50% solids and at a temperature of 200° F. onto the top of said bed; passing the liquor and pebbles concurrently downward through the distillation zone; while the heat in said pebbles acts to dry the black liquor into a frangible solid; removing vaporous products from the distillation zone; removing the dried black liquor from the bottom of the distillation zone; removing the refractory pebbles from the bottom of the distillation zone; passing the dried black liquor and the refractory pebbles separately into a combustion zone; combusting the dried black liquor and simultaneously combusting any dried black liquor adhering to the refractory pebbles, the heat of combustion heating the pebbles; and recycling the heated pebbles to the distillation zone as the pebble feed thereto.

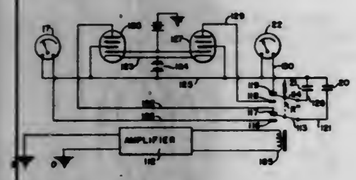
2,568,240
SPRAY NOZZLE
Leon T. Mart, Mission, Kans., assignor to The Marley Company, Inc., Kansas City, Kans., a corporation of Kansas
Application May 26, 1947, Serial No. 750,517
1 Claim. (Cl 299—114)



A spray nozzle of the character described comprising a hollow body having a liquid inlet port and a tubular, cylindrical member extending from within the body through one wall thereof to a point exteriorly of the body, said member hav-

ing the innermost and the outer ends thereof closed and open respectively and provided with a plurality of tangential openings for placing the body in communication with the interior of said member, said openings being elongated and each having a length equal to at least four times their respective widths, the inside diameter of said member being equal to at least four times the said width of the openings.

2,568,241
APPARATUS FOR LOGGING
Philip W. Martin, Huntington Park, Calif.
Application November 8, 1944, Serial No. 562,502
1 Claim. (Cl. 177—351)



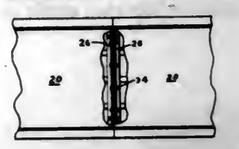
Apparatus for receiving a series of sustained electrical impulses of appreciable duration which vary in accordance with variations in transmitting conditions, and for translating said impulses into indications of the variations in the duration of said impulses, including: a two-position relay biased to one position in the intervals between impulses and responsive to the impulses to assume its other position, a pair of electronic tubes and a means for producing a flow of current therethrough, a pair of capacitances for storing the current received from the respective tubes, a pair of meters adapted to measure the quantity of E. M. F. stored in the respective capacitances, said relay being adapted, in one of its positions, to connect one of said capacitances to said meter for said discharge of the capacitance charge into the meter to produce a reading thereon, and to interrupt the conducting circuit of one of said tubes and, in its other position, to connect the other capacitance to the other meter for discharging an indicating current thereinto and to interrupt the conducting circuit of the other tube while reestablishing the conducting circuit of the first mentioned tube and the connection thereof to the first mentioned capacitance for charging the same.

2,568,242
ELECTRICAL CONTACT
George A. Matteson, Jr., Providence, R. I., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application November 8, 1948, Serial No. 58,928
6 Claims. (Cl. 200—166)



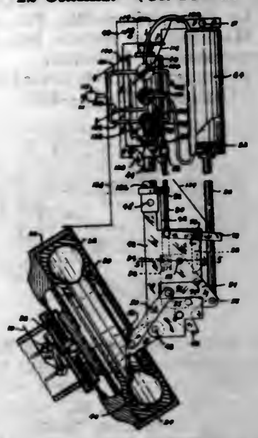
1. A composite electrical contact comprising a head and a body portion attached thereto by soldering, said body portion comprising a length of solder-filled wire having an internal core of solder.

2,568,243
TABLE TOP CONSTRUCTION
Francis H. McCormick, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 25, 1948, Serial No. 16,933
4 Claims. (Cl. 311—106)



1. A table top section comprising a sheet metal supporting and reinforcing structure having a flat upper supporting surface and at least one straight edge, a downwardly directed securing flange at said straight edge forming substantially a right angle with said flat surface, adapting said top section to be secured to and to lie in close abutting relation with an adjacent top section, a second flange extending upwardly from another edge of said structure, and a thermo-setting plastic body molded over and secured to the entire exposed area of said flat surface and said flanges in such a manner as to form a sharp corner along said straight edge.

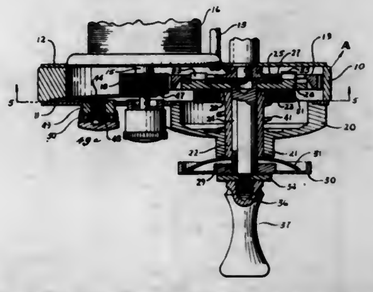
2,568,244
PNEUMATIC DEBAGGING MACHINE
Donald McDonald, Dayton, Ohio, assignor of one-half to Paul Frobe, Cincinnati, Ohio
Application April 18, 1947, Serial No. 742,479
12 Claims. (Cl. 18—2)



12. An automatic debagging machine comprising in combination, a tire holding vise, a stationary support, a first cylinder secured to said support, a second cylinder pivotally mounted on said support, a first piston means operable within said first cylinder and including a piston rod, second piston means operable within said second cylinder and including a second piston rod, a bag engaging hook, a support for said hook pivotally connected to said first named piston rod, hook manipulating means pivotally carried by said hook support, linkage means connecting said hook and said hook manipulating means, said hook manipulating means having one portion thereof pivotally connected to said second named piston rod, a first latch means carried by said hook support for latching said hook manipulating means in a first position in which said hook

is held in tire engaging position, a first means for limiting relative rotation between said hook manipulating means and said hook support comprising a rod having one end thereof fixed to the outer end of said first named piston rod and having its other end mounted for limited sliding movement relative to said manipulating means, a second latch for latching said manipulating means in a position thereof, means for operating said second valve in response to movement of said first piston means, said third valve comprising connections for supplying fluid under pressure to either end of said second cylinder, and means for operating said third valve comprising first means operable in response to movement of said vise and second means operable in response to movement of said first piston means.

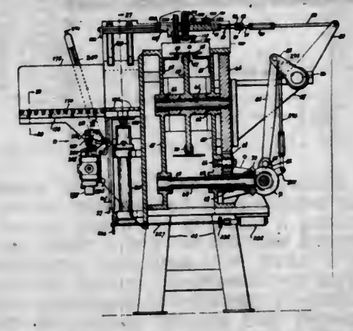
2,568,245
FISHING REEL
Lee A. McDonald, Middletown, Ohio
Application September 20, 1947, Serial No. 775,263
7 Claims. (Cl. 242—84.5)



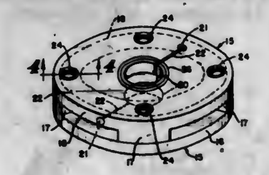
1. In a fishing reel, a frame, a spool rotatably mounted on said frame, a pinion drivingly connected with said spool, a gear rotatably mounted on said frame and in constant mesh with said pinion, a shaft mounted on said frame in axial alinement with said gear for both rotary movement and axial movement, a connecting element carried by said shaft and movable thereby into and out of driving engagement with said gear, a spring acting on said shaft to urge said connecting element toward said gear, a handle on said shaft to rotate the same and to retract said shaft axially against the action of said spring, and a part carried by said frame and arranged to have locking engagement with said connecting element when the latter is in its retracted position and to release said connecting element for movement to gear engaging position by said spring when said shaft is rotated in a predetermined direction.

2,568,246
STACK ELEVATOR CONTROL MECHANISM FOR COLLATING MACHINES
Marshall D. McShurley, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 8, 1949, Serial No. 69,925
3 Claims. (Cl. 270—58)

2. A machine for stacking different parts in a certain order comprising a plurality of magazines each having a vertically movable platform upon which a stack of like parts is placed, a conveyor, means for moving the conveyor, a plurality of part holders adapted to be moved by the conveyor, a plurality of transfer devices each operative to cause the uppermost part on a stack to be transferred to a part holder, a mechanism for effecting movement of the part holders by the conveyor and operation of the transfer devices in timed relation whereby, during each cycle of operation of the machine, the parts are transferred to positions to be received by the part holders as the holders are located by the conveyor to receive the parts, a plurality of pressure fluid operated servos for raising and lowering said platforms, a controller for each servo having means for causing application of a predetermined quantity of pressure fluid to the servo to cause it to raise a platform a distance equal to the thickness of the parts thereon, control mechanism operated by the first mechanism for causing timed operation of each of said control means once during each cycle of machine operation whereby each platform is elevated by a step-by-step movement upon each cycle of operation, a second group of controllers for said servos for causing operation thereof independently of said first controllers, means associated with each magazine for holding a small supply of parts at upper limiting position adjacent the transfer device during reloading of the platform, including pressure-fluid by-passes respectively around the first controller and manually operated means associated with each of said second controllers for admitting pressure fluid through a by-pass to the servo to effect upward movement of the platform in order to lift the stack of parts placed thereon into contact with parts retained whereby normal step-by-step operation of the platforms is reinstated.



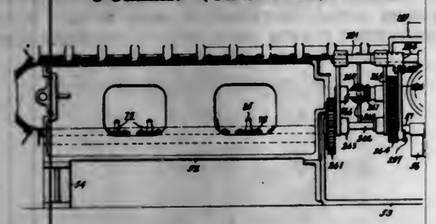
2,568,247
PIPE WIPER
James Franklin Medearis, Ventura, Calif.
Application February 4, 1947, Serial No. 726,275
2 Claims. (Cl. 15—210)



2. A pipe wiper, comprising: a pair of duplicate disc structures, each of said structures containing a disc body portion of flexible material having a central opening, and a plurality of integrally formed angularly spaced peripheral lugs projecting from the same side of the body portion; means securing said disc structures in confronting assembled relation, spaced apart by said lugs, and with adjacent edges of confronting lugs on opposite discs being spaced to form

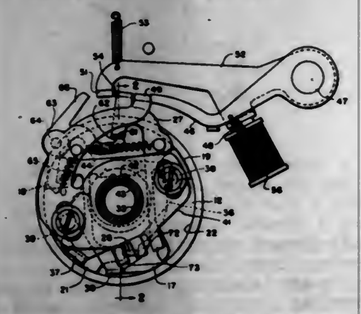
mud outlet passages; and a slit extending outwardly from said central opening in each disc, each slit being directed towards one of said passages.

2,568,248
ASSEMBLING APPARATUS
Charles A. Nichols and Lora E. Poole, Anderson, and Donald G. Mahoney and Marshall D. McSharley, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 31, 1946, Serial No. 673,574
4 Claims. (Cl. 270—58)



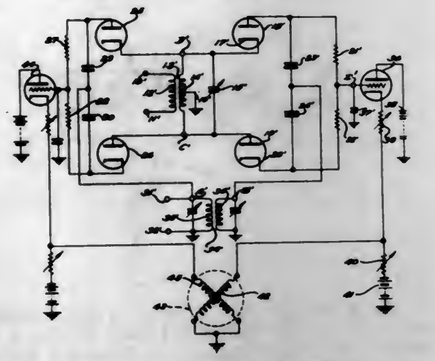
1. A battery plate and separator assembling machine comprising a horizontally moving conveyor having a plurality of equally spaced plate holders each adapted to receive plates and separators, a motor, a mechanism connecting the motor with the conveyor for moving the conveyor continuously, a plurality of magazines adjacent the conveyor and equally spaced the distance between the plate holders of the conveyor, said magazines respectively containing vertical stacks of positive and negative plates and separators in the sequence in which they occur in a battery, transfer devices respectively aligned with the magazines and each including pick-up means for removing the topmost plate from the magazine and for carrying said plate to a location directly above the conveyor, timed control means for causing said pick-up means to release the plate when located directly above one of said plate holders on the conveyor, and means operated by said mechanism for operating the transfer devices and control means and in timed relation to conveyor movement whereby the released plates gravitate upon the conveyor plate-holders.

2,568,249
LATCH OPERATED CLUTCH
Arthur N. Nilson and Rolf A. Thienemann, Chicago, and Walter J. Zenner, Des Plaines, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 1, 1946, Serial No. 707,176
15 Claims. (Cl. 192—22)



1. In a clutch, driving means, driven means including a first pair of spaced surfaces for engaging said driving means, a second pair of spaced surfaces for engaging said driving means, operating means for enabling said first and second pair of surfaces to engage said driving means and effect rotation of said driven means with said driving means, said first pair of surfaces being designed to engage said driving means with a force greater than the initial operating force, and means for multiplying said greater force at said first pair of bearing surfaces and for transmitting a multiplied force to said second pair of surfaces, said second pair of surfaces being designed to again multiply the force transmitted from the first pair of bearing surfaces.

2,568,250
PHASE COMPARATOR CIRCUITS
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application March 29, 1948, Serial No. 17,705
In Great Britain April 1, 1947
10 Claims. (Cl. 172—245)

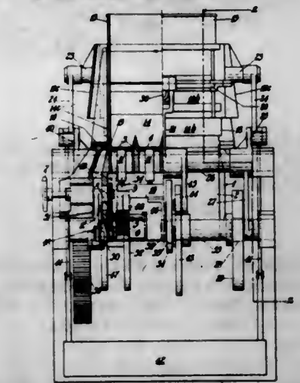


1. In a phase discriminator circuit for producing a direct control potential the magnitude of which is a function of the phase angle between a first and a second input signal of a given radio frequency, the combination of: means for producing from one of said signals a third signal of said given frequency and bearing a fixed phase opposition relation to said second signal; a pair of rectifiers; circuit means for applying to one of said rectifiers the vector sum of said first and second signals; circuit means for applying to the other of said rectifiers the vector sum of said first and third signals; and a pair of equal series connected resistances connected between said rectifiers, said resistances being connected to rectifier terminals of opposite polarity whereby the direct potential of the midpoint between said resistances is proportional to the cosine of the phase angle between said first and second input signals.

2,568,251
PROCESS FOR REFINING REFRACTORY CARBIDES
Marcel Oswald, Paris, France, assignor to Societe Le Carbone-Lorraine, Paris, France
No Drawing. Application October 20, 1947, Serial No. 780,998. In France August 4, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 4, 1961
5 Claims. (Cl. 106—43)

1. Method of refining impure carbide of metal selected from the group consisting of titanium, zirconium, tantalum and columbium, said carbide being preformed and contaminated with oxygen as an impurity, the method comprising forming an intimate powder mixture of said impure carbide with carbide of metal selected from the group consisting of tungsten and molybdenum and with added free carbon, and heating said mixture to substantially eliminate said impurity and simultaneously produce a solid solution of carbides of the selected metals.

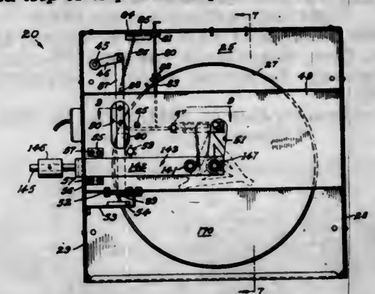
2,568,252
DOUGH DIVIDER
John Edward Pointon, Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich.
Application December 22, 1947, Serial No. 793,150
In Great Britain December 24, 1946
6 Claims. (Cl. 107—15)



1. A dough divider comprising a rotary division head or box, the dough dividing pocket of which occupies a vertical charging position, a fixed antechamber or flue disposed vertically over and mating with the division head; a carriage reciprocable upwardly and downwardly on the antechamber and having a knife positioned horizontally on the carriage and reciprocable transversely across the antechamber; an opening in the front and rear walls of the antechamber positioned in register with the path of operational movements of said carriage and of not less extent than the length of the stroke of the carriage and knife; and means for operating the knife, carriage and division head in synchronism for dividing and delivering dough pieces of predetermined weight.

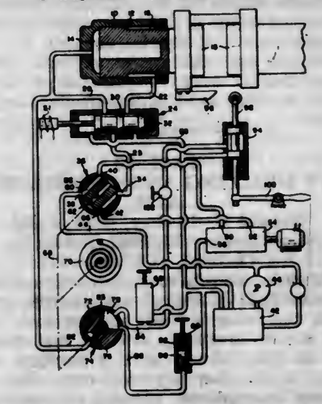
2,568,253
ELECTRIC WEIGHER
Glenn M. Porter, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application June 30, 1947, Serial No. 757,985
2 Claims. (Cl. 249—20)

1. In an automatic bulk weigher, the combination of: a frame; a U-shaped scale beam including side arms and a connecting member; a counter balance on said connecting member; fulcrum means on said frame for pivotally supporting said beam side arms; a shaft pivotally supported on the free ends of said side arms; a rotor rotatably supported on said shaft; means forming a series of weighing bins in said rotor; a spider fixed on said shaft and providing a series of lugs corresponding in number to said bins, and uniformly located with reference to said bins; a stop lever pivoted on said frame; a stop provided on said stop lever; a pin on said frame positioned to halt rotation of said stop lever with said stop positioned in the path of said lugs; means for conveying a flow of loose product into one of said bins when upwardly disposed; a gate for shutting off or starting said flow; a trip adapted to engage and rock said lever to remove said stop from in front of one of said lugs; a cam for deflecting said trip out of engagement with said lever after said trip has displaced said stop as aforesaid; a spring biasing said lever to cause it to return against said pin when thus released from said trip; a solenoid adapted when energized to operate said gate to shut off the flow of material to said bin and actuate said trip to trip said stop lever as aforesaid; a



switch controlling said solenoid and actuated by the swinging of said scale beam to energize said solenoid thereby shutting off said supply of loose material to said bin, releasing said rotor from said stop and permitting the rotor to rotate to dump the contents from said bin and present the next adjacent bin in an upward position for receiving material to be weighed and bringing the next adjacent lug on said spider into engagement with said stop, said switch means keeping said solenoid energized and said gate positioned to shut off the flow of material until said switch is reversely actuated by a reverse swinging of said scale beam about its pivotal axis on said frame.

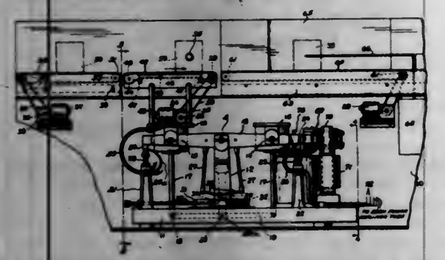
2,568,254
FLUID PRESSURE-OPERATED ACTUATOR FOR HYDRAULIC VALVES
Howard M. Purcell, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application November 25, 1946, Serial No. 712,110
6 Claims. (Cl. 121—41)



1. In a hydraulic actuator; a casing; a member movable in said casing from one end thereof to the other and having opposed actuating areas;

a first port in one end of said casing on one side of said member; a plurality of other ports in said casing on the other side of said member; a channel hydraulically connecting said areas; means of supplying actuating fluid to said first port; and relief valves connected with said other ports and adjusted to be actuated at successively higher pressures for bringing about the movement of said member in increments from the said one end of said casing to the other.

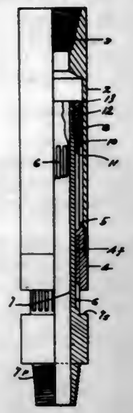
2,568,255
ELECTRONIC CHECK-WEIGHING AND SEGREGATING APPARATUS
Warren J. Schieser and John F. Kelley, Columbus, Ohio, assignors to The Exact Weight Scale Company, Columbus, Ohio, a corporation of Ohio
Application July 24, 1948, Serial No. 40,544
6 Claims. (Cl. 209—121)



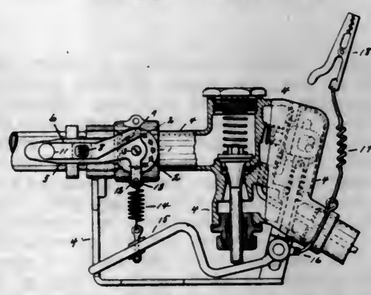
6. In check-weighing and commodity-segregating apparatus, a weighing scale having a movable balance lever, a continuous belt-type conveyor supported by one end of the balance lever, said conveyor forming a part of an extended conveyor line over which commodities being weighed move without interruption, motor means supported solely by the balance lever and drivingly connected with said conveyor, means in the conveyor line at the discharge side of said belt-type conveyor for segregating commodities of undesired weight from commodities of desired weight, electro-magnetic means to operate said last-named means, electrical means operated by the movement of the balance lever of said scale for determining the operability of said electro-magnetic means, and a photo-electric cell circuit in series with said electrical means to control said electro-magnetic means, said photo-electric cell circuit having a light sensitive member disposed adjacent the discharge side of said belt conveyor and operable in response to the passage of a commodity over the discharge side of the conveyor to close said photo-electric cell circuit.

2,568,256
SAFETY DRILLING AND FISHING BUMPER SUB
Donald U. Shaffer, Brea, Calif.
Application January 24, 1947, Serial No. 723,957
2 Claims. (Cl. 255—27)

1. A bumper sub having, in combination, relatively telescopic mandrel and barrel parts one of which has longitudinal splines and the other a drive sleeve mutually fitting the splines and slidable on the splined part, a packing assembly including a member screwed onto the mandrel part above the splines, a band screwed onto the mandrel and frictionally locking said member, and means whereby said band is protected against loosening effort by the sleeve during operation of the sub and including a guard collar interlocked with the said splines and removably mounted on the mandrel and in seating engagement with said band; the lower face of the said band being impacted by said sleeve upon upward stroke of the barrel part.



2,568,257
GASOLINE VALVE FLOW CONTROL
John Benjamin Smith, Birmingham, Ala.
Application May 7, 1947, Serial No. 746,559
1 Claim. (Cl. 251—134)



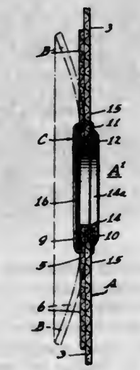
In a gasoline valve control device of the character described in combination with a valve comprising; a valve contained within a main body, a metal disk attached to said body, the outer portion of approximately half of the disk having a plurality of holes therein and spaced substantially equal distance apart, a stud screw inserted through the center of the disk and holding the disk in fixed position on the said body, an arm member mounted with one end thereof swingable on the said stud screw, a lever mounted rockably on a fulcrum on said arm, a pin fixed in one end of the said lever and positioned and adapted to register with and fit into any one of said holes in the disk, a spring mounted in the said fulcrum and set normally to urge the pin of the lever into any hole in the disk, the other end of the lever adapted to be manually pressed toward the said swingable arm; an integral extension on the swingable arm with its major axis at a 90 degree angle compared with the major axis of the swingable arm, the outer end of the extension having a small hole therein, a coil wire spring having one end thereof swingably attached in the hole in the said extension; said valve having a main control lever, the other end of the said coil spring swingably attached to the free end of the said valve control lever, said spring being in normal rest condition when the arm extension is positioned nearest the valve control lever and in complete expanding condition when the said integral extension is farthest from the valve control lever.

2,568,258
MATTRESS AND METHOD OF MAKING SAME
Paul Spagnoli, San Francisco, Calif.
Application June 1, 1948, Serial No. 30,486
3 Claims. (Cl. 5—351)



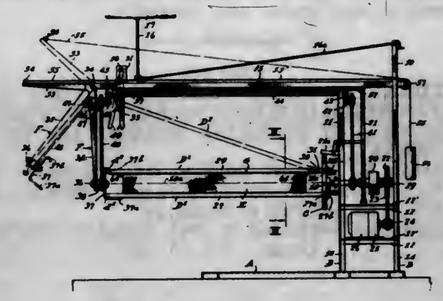
1. In a mattress: an inner spring structure having rows of springs; an inner casing entirely enclosing the spring structure; this casing including upper and lower panels overlying and underlying said structure, respectively; inner layers of padding material covering the exterior surfaces of these panels; a plurality of pre-dimensioned endless looped strips entirely encircling the spring structure outwardly of said layers of padding material, and clamping the latter to said panels; these looped strips being spaced from one another, and including top and bottom reaches paralleling the rows of springs; each strip including end portions interconnecting said reaches at opposing ends of said spring structure; and tufting means interconnecting the top and bottom reaches of each looped strip, and placing the springs under compression; said tufting means passing through the upper and lower panels of the inner casing, and securing both the layers of inner padding material and said reaches of the strips to the inner casing.

2,568,259
VENTILATOR AND PINNING FLAP FOR MATTRESSES
Paul Spagnoli, San Francisco, Calif.
Application June 1, 1948, Serial No. 30,487
3 Claims. (Cl. 5—345)



1. In a pinning flap construction of the character described: a normally flat piece of flexible fabric material; this material having a side face butted flatwise against a supporting member to provide a pinning flap; and means securing a central part of the flap to the member, and leaving the entire marginal portion of the flap free for ready flexing away from the member, whereby a fastening strip may be pinned to any selected marginal portion of the flap, with the pull of said strip emanating radially away from the flap-securing means.

2,568,260
MACHINE FOR WRAPPING COVERINGS AROUND ARTICLES
Paul Spagnoli, San Francisco, Calif.
Application November 30, 1948, Serial No. 62,706
10 Claims. (Cl. 270—27)

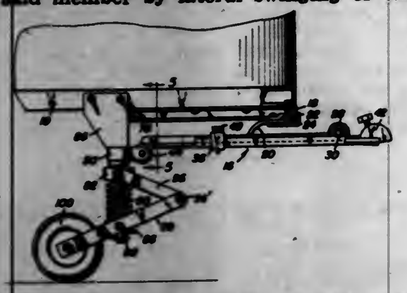


1. In a machine for wrapping a covering around an article; a main frame having a head rotatably mounted thereon; a plurality of spaced-apart lower bars carried by the head and projecting laterally therefrom to support an article from the underside of the latter; at least one upper bar also carried by the head to overlie the article and arranged to clamp the article to the lower bars; the bars paralleling the axis of rotation of the head and revolving the article for a wrapping operation when the head is rotated; the bars projecting at least to the end of the article opposite the rotatable head; the bars embracing and sustaining the article along its entire length; a support carried by the frame and being moveable toward and away from the said end of the article and having a shaft thereon moveable into alignment with the axis of rotation of the head; this shaft being supported in its operative position in alignment with said axis by said support and frame; a clamp on the shaft securable to the bars at said end of the article to hold the bars in parallel relation with one another after the article has been clamped between the bars; and means for rotating the head to revolve the article; the support and clamps being moveable into an out-of-the-way position to allow endwise withdrawal of the article when the clamp is disengaged from the bars.

2,568,261
STABILIZER FOR HOUSE TRAILERS
Albert H. Stade, Los Angeles, Calif.
Application December 6, 1949, Serial No. 131,261
9 Claims. (Cl. 280—33.4)

1. In a stabilizer for a trailer having a depending shaft and a draft tongue adapted to be coupled to a tractor, means pivotally connecting said tongue to said shaft for swinging laterally and vertically relative thereto, a semi-circular member fixed to said trailer horizontally above said tongue concentric to said shaft, and a leaf spring slidably connected at one end to said member and

fixed at its other end to said tongue for swinging along said member by lateral swinging of said



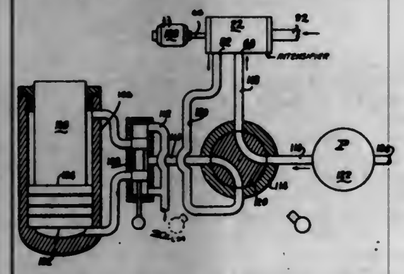
tongue and flexing by relative vertical movement of said trailer and tongue.

2,568,262

HYDRAULIC PRESS CIRCUIT HAVING INTENSIFIER UTILIZED TO DECREASE PRESSURE AND INCREASE VOLUME OR VICE VERSA

Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware

Application November 26, 1945, Serial No. 630,748
1 Claim. (Cl. 60—52)



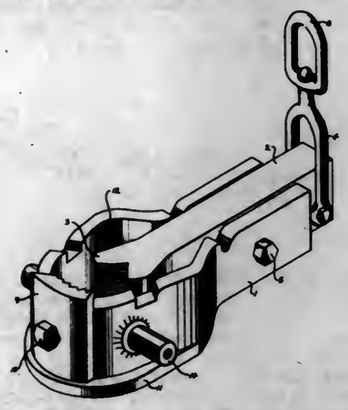
In a hydraulic control circuit; a differential fluid motor having oppositely disposed pressure areas; a reversing valve having a fluid inlet and an exhaust outlet and a pair of service ports connected respectively with the oppositely disposed pressure areas of said motor and operable selectively to direct fluid introduced within the fluid inlet to either of the pressure areas of said motor while connecting the opposite area to exhaust; a fluid displacement pump; a fluid pressure-volume converter having first, second and exhaust ports and a rotary valve member; motor means drivingly connected with the valve member of said converter for rotating the latter, said converter being operable upon rotation of the valve member and upon the introduction of pressure fluid into either the first or second port to discharge pressure fluid at a modified pressure-volume ratio from the opposite port; valve means having connections respectively with said pump, the first and second ports of said converter and the inlet port of said reversing valve and having a valve member therein movable to a first position connecting said pump with the first port of said converter while connecting the second port of said converter with the inlet port of said reversing valve, and a second position connecting said pump with the second port of said converter while connecting the first port of said converter with the inlet port of said reversing valve; and means responsive to fluid pressures within said fluid motor and connected with the movable valve member of said valve means for moving the latter between said first and second positions.

2,568,263

COMBINATION WRENCH AND ELEVATOR

William M. Wiseman, Henrietta, Tex.

Application July 20, 1945, Serial No. 606,065
6 Claims. (Cl. 294—104)



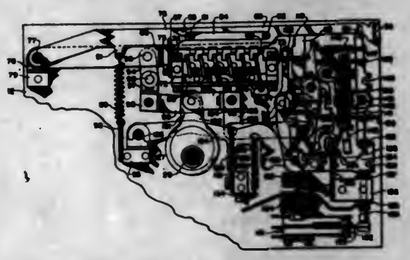
1. In a combination wrench and elevator, the combination of a body constructed for supporting an elongated member, a dog member pivoted to said body and having a jaw thereon positioned to engage and hold said elongated member, said dog member being pivoted to move in a vertical plane, a bifurcated member pivotally mounted on said body and adapted to support said body and said elongated member, said bifurcated member comprising complementary separable parts, a sleeve for normally holding said separable parts in engagement, spring pressed means for holding said sleeve in engagement with said separable parts.

2,568,264

TELEGRAPHIC SELECTING APPARATUS

Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application April 7, 1947, Serial No. 739,747
8 Claims. (Cl. 177—353)



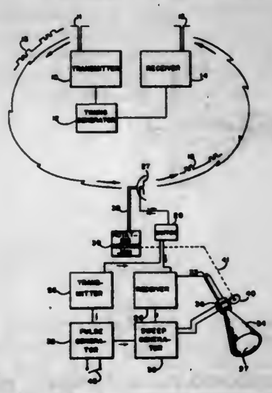
1. In a code controlled selecting device, signal responsive means, permutation elements selectively positioned under the control of said means, a plurality of selectable members operably positioned with respect to said elements, a blocking member individual to each of said selectable members, each blocking member acting normally to prevent selective response of its associated selectable member, a laterally directed cam follower stud carried on each blocking lever, and operating levers severally juxtapositioned to associate ones of said blocking members and cooperably related to said selectable members by having individual instrumentalities adapted to be operably engaged by said selectable members, each of said operating levers having a cam portion coacting with the stud of a juxtapositioned blocking bar to render under certain operating conditions said blocking members ineffective to block said selectable members, whereby a selected one of said selectable members is operated only after a preceding one of said selectable members has been operated.

2,568,265

RADIO BEACON AND SYSTEM UTILIZING IT

Luis W. Alvarez, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application March 18, 1943, Serial No. 479,625
11 Claims. (Cl. 343—11)



2. The method of guiding an airplane in flight which comprises the steps of transmitting from said airplane a succession of discrete electromagnetic pulses or groups of pulses at predetermined time intervals, causing certain of said pulses or groups of pulses to initiate radiation from a known beacon within a predetermined radius of said airplane, which radiation is for a predetermined short time interval, modulating the radiation from said beacon during said time interval in accordance with a predetermined code, intercepting in said airplane the radiation from said beacon, translating the intercepted radiation into light pulses, arranging said light pulses along a radial line of a circular screen in such a manner that the angle of said radial line with respect to a predetermined line on said screen will represent the direction of said beacon from said airplane, the distance of said light pulses from the center of said screen will represent the distance of said airplane from said beacon, and the number and length of said light pulses will identify said beacon.

10. Multipurpose radio equipment for a mobile unit which comprises, in combination, means to produce a beam of electromagnetic radiation, means to scan a predetermined field with said beam, means to modulate said radiation in a succession of discrete pulses, means to receive radiation from remote points in the time interval between said pulses, means to change at will the character of the pulses, thus radiated, to produce a signal which will fire a beacon situated within the range of said radiation, and means to utilize any radiation received by said receiving means from said beacon for determining the position of said mobile unit with respect to said beacon.

2,568,266

CONTAINER HOLDER

Charles D. Arnold, Dunkirk, N. Y.

Application June 12, 1950, Serial No. 167,589
2 Claims. (Cl. 248—315)



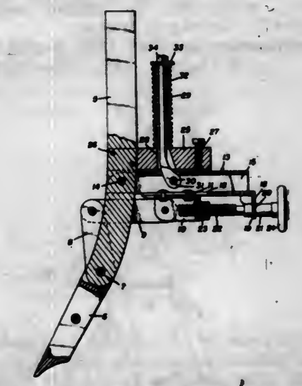
1. A holder for a container having a laterally projecting handle, said holder comprising a curved rod affording a substantial annulus disposed in a horizontal plane and adapted to receive the stated container therein, end portions of said rod being spaced and downturned to provide a pair of legs whereby said annulus may be sustained in an elevated position above a supporting surface and whereby the stated handle may project outwardly through the space between said legs, a pair of suction cups removably mounted at the lower ends of the respective legs, and a supporting clamp mounted on an intermediate portion of said annulus and adapted for attachment to a support.

2,568,267

ADJUSTABLE SPRING FOOT FOR CULTIVATORS

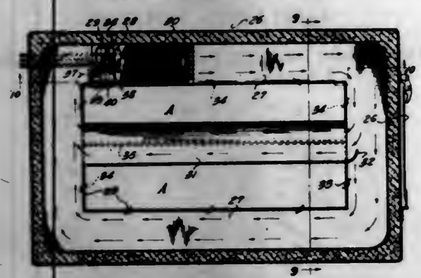
Charlie Elmer Barrett, Ashdown, Ark.

Application December 17, 1946, Serial No. 716,702
2 Claims. (Cl. 97—184)



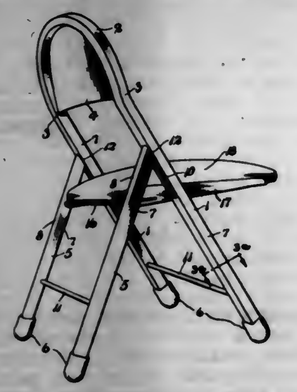
1. An arm having a foot pivoted thereon and spring biased to move in one direction relative to the arm, means carried by the arm for adjusting the inclination of the foot, said means including a slide working against the underside of the arm and connected to the foot, an internally threaded boss on the slide, an adjusting screw threaded in the boss to move the slide longitudinally on the pivoted arm to adjust the inclination of the foot, and a rigid bearing for the screw carried by the arm, said boss and said bearing being in fixed alignment with each other for freely working the screw therein.

2,568,268
HUMIDITY CONTROL APPARATUS FOR REFRIGERATORS
John S. Booth, Dallas, Tex.
Application October 1, 1949, Serial No. 119,152
2 Claims. (Cl. 62—102)



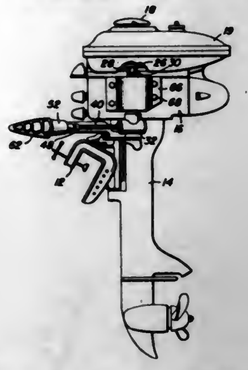
1. In a walk-in type refrigerator, a storage compartment, a door therefor, a continuous air circulating duct in juxtaposition to the side and end walls of said refrigerator adjacent the top thereof, a longitudinal duct disposed between and parallel with the portions of said air circulating duct lying along the side walls of said refrigerator and effecting communication between the portions of said air circulation duct lying along the ends of said refrigerator, said continuous and longitudinal ducts being in thermal contact with said storage compartment but normally out of communication therewith, a refrigerating coil in said continuous duct, means for circulating air in said ducts and means for admitting limited quantities of cold air into said storage compartment from said continuous duct to dispel excess moisture condensation set up by ingress of external air into said storage compartment.

2,568,269
FOLDING CHAIR
Harry C. Burnham and Andre Bus, Grand Rapids, Mich., assignors, by mesne assignments, to Harry C. Burnham, trustee
Application April 16, 1949, Serial No. 87,918
8 Claims. (Cl. 155—142)



1. A folding chair comprising, a front frame having spaced apart sides inclining upwardly and to the rear and connected at their upper end portions, the lower end portions of said sides providing spaced front legs for the chair, rear chair legs spaced from each other adapted to incline downwardly and to the rear, a seat pivotally connected to and located between said front legs and having pivotal connection at its rear end to and located between the rear legs, said connection of the seat to the rear legs being below their upper ends, a link pivotally connected at the upper end of each rear leg extending into said front legs and having pivotal connection thereto, said front legs at the rear side thereof having vertical slots, the links extending therethrough and being located inside said front legs when the seat is in unfolded useful position, the upper ends of said rear legs and the upper sides of said front legs having abutting engagement and said links within the front legs extending upwardly therein from their points of pivotal connection to said front legs.

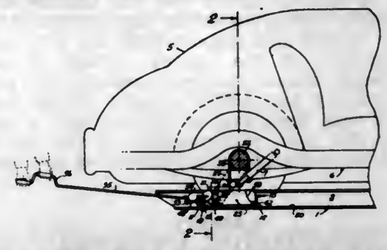
2,568,270
IGNITION TIMING CONTROL
George F. Butkiewicz, Omro, Wis., assignor to F. Butkiewicz and Sons Company, Omro, Wis.
Application September 30, 1948, Serial No. 51,932
2 Claims. (Cl. 115—18)



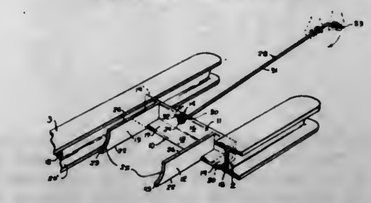
1. In an outboard motor having a casing and mechanically interconnected throttle control means and ignition timing control means, a steering handle on said motor, an ignition timing stator plate, a sector gear on the stator plate, a housing fixed exteriorly on said casing, a sector pinion engaging said sector gear, a countershaft rotatively mounted in said housing carrying said sector pinion at one end of the countershaft, a mitre gear secured to the other end of said countershaft, a drive shaft rotatably mounted on said steering handle of said motor and journaled on said housing and having a drive mitre gear engaging the mitre gear on the countershaft, whereby both throttle and ignition settings may be controlled by manually rotating said drive shaft.

2,568,271
ADAPTER SADDLE FOR VEHICLE HOIST
Salvatore A. Campagna and Vincent J. Campagna, San Jose, Calif.
Application February 7, 1949, Serial No. 75,035
11 Claims. (Cl. 254—89)

1. In a vehicle hoist having parallel flanged rails of limited height and spacing, a device for adapting said rails for connection to a vehicle straddling them comprising a frame having four-point suspension on the innermost lower flanges of said rails, a saddle pivotally mounted on said frame for swinging movement in a plane parallel to the fore to aft axis of said vehicle, said saddle having a pair of arms normally extending in a plane parallel to said rails, a jack including a base and an extensible means between said frame and said saddle for moving the latter relative to its pivotal mounting for causing said arms to extend above the upper limits of said rails into engagement with the undercarriage of a vehicle straddling the rails, and manually controlled means for optionally extending or shortening the extensible means of said jack relative to the base thereof.



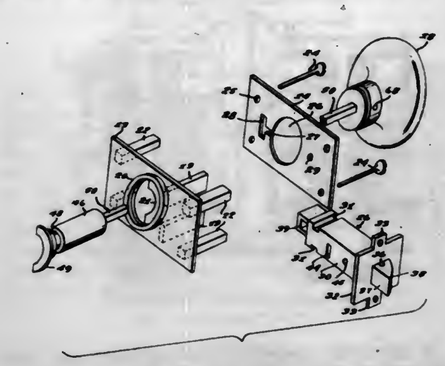
2,568,272
ADAPTER SADDLE FOR VEHICLE HOIST
Salvatore A. Campagna and Vincent J. Campagna, San Jose, Calif.
Application March 6, 1950, Serial No. 147,832
4 Claims. (Cl. 254—89)



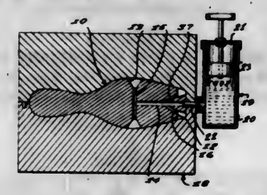
1. The combination with a vehicle hoist having spaced parallel lifting rails, of a base adapted to bridge said spaced rails and provided with two sets of rail bearing surfaces disposed at substantially right angles to each other, a pair of arms extending from said base parallel to one set of said rail bearing surfaces adapted to lie parallel to said rails when a vehicle is moved relative to the latter and extending perpendicular to the other set of said rail bearing surfaces so that the upper ends of said arms engage the under structure of said vehicle to support the same on said rails when the arms are in a vertical position, said base having an eye formed thereon adjacent the upper edge thereof with the axis of said eye extending parallel to said base and a manually operable rod having a crooked end adapted to extend through said eye and having an adjacent portion to bear against the upper edge of said base when said arms are horizontally disposed whereby upon turning of said rod about its long axis said crooked end of said rod bears against an extremity of said eye to force the adjacent portion of said rod against the upper edge of said base to tilt the base from a position in which its arms are horizontal toward a position in which they are vertically disposed.

2,568,273
DOOR LOCK
Ralph C. Clark, Willowbrook, Calif., assignor to Ray E. Clark, Willowbrook, Calif.
Application June 18, 1948, Serial No. 33,882
2 Claims. (Cl. 292—169)

1. In a door lock, a first rectangular plate having a spindle receiving opening therein, legs extending perpendicularly from one side of said plate and disposed one at each corner of the plate and spaced inwardly from the adjacent plate edges, each of said legs having therein a longitudinally extending well internally screw threaded and opening to the end of the corresponding leg remote from said plate, and a pair of mutually opposed ribs projecting perpendicularly from said one side of said first plate adjacent said spindle receiving opening and spaced apart to receive a latch bolt housing therebetween, a rectangular latch bolt housing received at one end between said ribs and having in respectively opposite sides thereof transversely extending grooves slidably receiving the adjacent edge portions of said ribs, a second rectangular plate having screw receiving apertures disposed one near each corner thereof, and screws extending through the apertures in said second plate and threaded into the wells in said legs to hold said plates in assembled relationship at the respectively opposite sides of a door, said second plate having therein an opening aligned with the opening in said first plate and adapted to rotatably receive an end of a door knob.



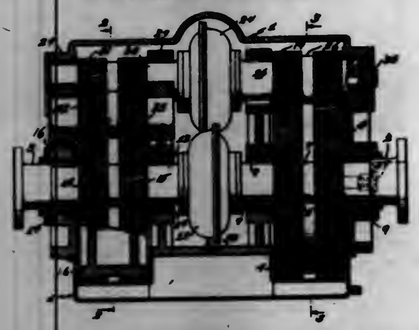
2,568,274
PROCESS FOR MAKING BOWLING PINS
Ray E. Clark, Willowbrook, Calif.
Application October 8, 1948, Serial No. 53,553
3 Claims. (Cl. 18—59)



1. In a process of making a wooden bowling pin having a base and a band extending about the periphery of the pin at substantially the region of impact of a bowling ball therewith, the band being fabricated of impact resistant material, the steps comprising forming said pin with an annular groove extending about the periphery at substantially the region of impact of a bowling ball therewith, a cutaway bottom section extending longitudinally inwardly from the periphery of said pin adjacent to and terminating in the bottom of said pin, and a bore extending from the bottom of the pin and communicating with said groove and said section, filling said groove, the space surrounding said cutaway section and bore with a molten moldable plastic

material settable upon heating, and subjecting said plastic material to an elevated temperature and pressure to form a band of impact resistant material attached to said pin.

2,568,275
POWER TRANSMISSION UNIT
Josef Y. Dahlstrand and Josef Y. Dahlstrand, Jr., Indianapolis, Ind.
Application November 24, 1948, Serial No. 61,852
3 Claims. (Cl. 74—361)



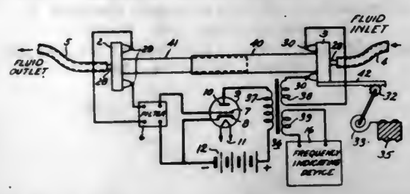
1. A reversing gear drive comprising an input shaft and an output shaft, a first hydraulic coupling mechanically connected to the input shaft through gearing adapted to increase the rate of rotation of the hydraulic coupling above that of the input shaft, a second hydraulic coupling mechanically connected to the input shaft through gearing adapted to increase its rate of rotation above that of the input shaft, said first hydraulic coupling being connected to the output shaft through gearing adapted to drive the output shaft at a lower speed than the coupling and in the same direction as the input shaft, said second hydraulic coupling being connected to the output shaft through gearing adapted to drive the output shaft at a lower speed than the coupling and in a direction opposite the rotation of the input shaft, and means for selectively introducing fluid into the first hydraulic coupling and second hydraulic coupling to control the direction of rotation of the output shaft.

2,568,276
WALL SHIELD FOR COOKING STOVES
Forest D. Eggleston, St. Louis, Mo.
Application May 28, 1948, Serial No. 29,820
6 Claims. (Cl. 126—1)



1. In a disappearing canopy for use with cooking stoves, a sheet metal canopy element, a pair of substantially vertical channeled guide members located at the rear of the stove and secured thereto, and in and along which the canopy is movable between a disappearing position and a position of active use in which it extends upwardly of and forwardly over the cooking level of the stove, rollers carried by the channel members for rolling engagement with the side marginal portions of the canopy, certain of said rollers being located on axes parallel to the path of the canopy and others of said rollers being mounted with their axes at substantially a right angle to the path of movement of the canopy between its operative and inoperative positions.

2,568,277
FLUID TESTING APPARATUS
George V. Eltgroth, Towson, Md., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Original application August 1, 1942, Serial No. 453,255. Divided and this application September 5, 1945, Serial No. 614,499
1 Claim. (Cl. 73—24)



In fluid testing apparatus, a test chamber adapted to receive the fluid under test, means for controlling a dimension of said test chamber in response to temperature variations, means for generating oscillations in said fluid within said test chamber at a frequency controlled by the velocity of sound propagation in said fluid and by said controlled dimension, and means actuated by the frequency of said oscillations for indicating a characteristic of said fluid.

2,568,278
ELECTRICAL WARM AIR RECIRCULATING ROOM HEATER
Charles J. Favot, Steubenville, Ohio
Application March 30, 1949, Serial No. 84,271
7 Claims. (Cl. 219—39)



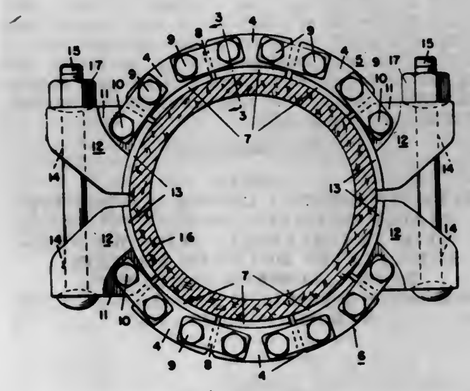
1. The combination with a room having a floor supported by spaced joists, of an elongated air treating and circulating housing arranged between two of said joists and having its opposite ends connected to spaced points in said room, said housing comprising a pair of reducer ducts between which are arranged a plurality of duct-sections, each of the latter comprising an inverted U-shaped body and a bottom detachably secured to the body and completely removable therefrom in a downward direction, the bottoms of said duct-sections being disposed below the bottoms of said joists, and air treating units in said duct-sections and supported on said bottoms for downward removal with said bottoms, one of said units being a power driven blower for circulating air through said housing.

2,568,279
LUMINESCENT TARGET
Arvel O. Franz and Lewis Edmund Walkup, Alton, Ill., assignors to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application September 4, 1945, Serial No. 614,180
8 Claims. (Cl. 250—71)



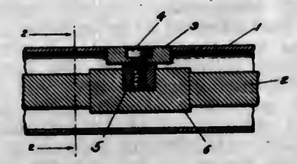
1. A clay target having an area thereof coated with luminescent pigment having a phosphorescence factor of at least 0.25.

2,568,280
PIPE PARTING TOOL
Raymond B. Frost, Bernardsville, N. J., assignor to Victaulic Company of America, New York, N. Y., a corporation of New Jersey
Application November 19, 1946, Serial No. 710,886
3 Claims. (Cl. 30—92)



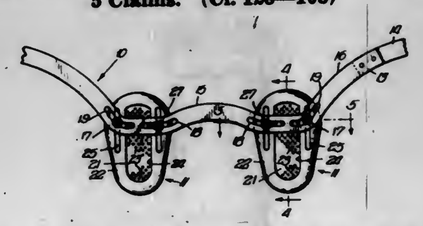
1. A tool for severing a frangible pipe comprising, a terminal member, a concave sharp inner edge on said terminal member, a second terminal member, a concave sharp inner edge on the second terminal member, a plurality of indenting bars arranged in an end-to-end relationship, links pivotally connecting the indenting bars to each other and the end bars to said terminal members, a concave sharp inner edge on each indenting bars aligned with the inner edges of said terminal members, a third terminal member adjacent the first terminal member, a concave sharp inner edge on the third terminal member, a fourth terminal member adjacent the second terminal member, a concave sharp inner edge on the fourth terminal member, a group of indenting bars arranged in end-to-end relationship, links pivotally connecting the indenting bars of said group to each other and the end bars thereof to the third and fourth terminal members, a concave sharp inner edge in each indenting bar of said group with the inner edges thereof aligned with the inner edges of the terminal members, means for moving the first and third terminal members toward each other, and means for moving the second and fourth terminal members toward each other.

2,568,281
COAXIAL LINE STUB SUPPORT
Joseph Goldsmith, Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 15, 1944, Serial No. 522,489
5 Claims. (Cl. 178—44)



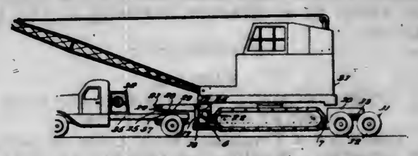
5. An electric transmission line for transmitting high frequency electric waves including a tubular conductor, a central conductor coaxial with said tubular conductor and having an enlargement thereon, a metallic connector between said tubular conductor and said enlargement for maintaining said conductors in fixed spaced relationship, said connector including portions extending inwardly from said tubular conductor toward but terminating in spaced relation to said inner conductor for preventing reflections resulting from said connector.

2,568,282
TRUSS
John Gutsch, Chicago, Ill.
Application August 16, 1948, Serial No. 44,451
5 Claims. (Cl. 128—108)



3. A truss comprising a pad including a wall having a pair of vertical laterally spaced slots therein, a supporting bar for the pad having a portion slotted horizontally to coact with one of the slots in the pad and having another portion of the bar slotted angularly with respect to the other of the slots in the pad, and fastenings extending respectively through said slotted portions and slots and adjustable with respect to each for adjustably securing the pad to the bar.

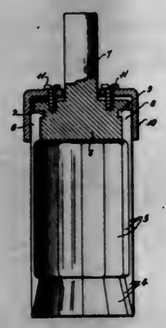
2,568,283
LOW BED TRAILER UNIT
Tom Levi Harpster, Houston, Tex.
Application February 10, 1948, Serial No. 7,504
4 Claims. (Cl. 214—85)



1. A trailer for carrying portable equipment, comprising a relatively narrow, elongated frame adapted to be straddled by said equipment, ground engaging wheel means at one end of said

frame, a hitching element articulated on the opposite end of said frame for movement longitudinally into a projected loading position substantially in the plane of said frame, and into a retracted loaded position in a plane substantially parallel to but above that of said frame, tension links intermediate the ends of said hitching element, and compression means comprising at least one post adapted to be interposed between said frame and the adjacent overlying end of said hitching element when the latter is retracted with the opposite ends of said post being removably connected respectively to said frame and to said adjacent end of said hitching element, for supporting said hitching element in retracted position, and means at the opposite end of said hitching element for supporting the latter on a motor vehicle, said post being completely removable from said hitching element and said frame to allow both said hitching element and said frame to rest upon the ground adjacent said links when said hitching element is in projected position.

2,568,284
BEVEL CUTTING DEVICE
John Kearsley M. Harrison, Gainesville, Va.
Application June 24, 1947, Serial No. 756,664
3 Claims. (Cl. 164—29)

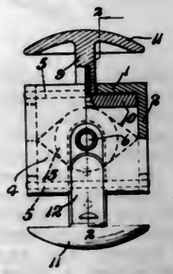


1. A cutter for cutting from a blank a section having beveled edges that comprises a plurality of blades, each blade having a long shank portion and a lower portion substantially triangular in profile having one side thereof beveled to form a cutting edge and having the other side thereof parallel to the long axis of said shank, the base of said triangle being wider than said shank portion, each shank being resiliently deformable across the plane of the cutting edge but being rigid against deformation within said plane, and means holding said blades in contiguous relationship from the ends of the respective shanks remote from the cutting edges whereby when the blades are urged through a blank by the holding means each blade tends to move through the blank in a direction inclined to the blank surface.

2,568,285
PYROTECHNIC MATCH CAPABLE OF REPEATED IGNITION
Folke Knut Knutsson-Hall, Lofta, Sweden
No Drawing. Application October 14, 1949, Serial No. 121,455. In Sweden November 13, 1946
10 Claims. (Cl. 52—25)

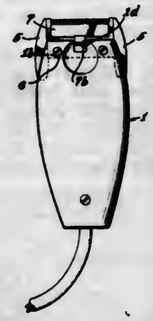
1. A repeatably igniting match comprising a coherent stick including in homogeneous admixture a first vaporizable combustion supporting agent capable of burning substantially completely without leaving undesirable residues, having a relatively low temperature of combustion, and a low flame base temperature and selected from the group consisting of aldehydes, amines and alcohols and mixtures of aldehydes, amines and alcohols, an oxygen supplying salt having a decomposition temperature substantially higher than the flame base temperature of said first combustion supporting agent and selected from the group consisting of chlorates and perchlorates, and a second substantially non-volatile combustion supporting agent having a temperature of combustion, in the presence of the oxygen supplying salt, substantially higher than the flame base temperature of said first combustion supporting agent, said second combustion supporting agent being selected from the group consisting of phthalic acid, derivatives of phthalic acid, acetanilide, adipic acid, mixtures of acetanilide and adipic acid, mixtures of acetanilide and salicylic acid, mixtures of acetanilide and benzoic acid, mixtures of adipic acid, acetanilide and salicylic acid and mixtures of acetanilide, adipic acid, salicylic acid and benzoic acid, so that upon combustion of said first combustion supporting agent a concentrate consisting substantially entirely of said oxygen supplying salt and said second combustion supporting agent is formed on the surface of said stick adjacent the site of combustion, said concentrate being ignitable upon frictional contact with a phosphorus containing striking surface, said oxygen supplying salt together with said second combustion supporting agent not exceeding 70% by weight of the match.

2,568,286
TUBE DISPENSING DEVICE HAVING PIVOTALLY MOUNTED HOUSING MEMBERS WITH TRANSVERSELY SLIDABLE PRESSURE PLATES MOUNTED THEREIN
Ernest C. Littlefield, Sparta, Mich.
Application August 14, 1950, Serial No. 179,366
5 Claims. (Cl. 222—103)



1. In a dispensing apparatus a housing comprising a plate having an opening therethrough adapted to receive the outlet end of a collapsible tubular container of fluid material, housing members pivotally connected at one end, one at each of two opposite side edges of said plate, said housing members extending away from said plate and having elongated recesses at their inner sides, a pressure member within each housing member adapted to engage opposite sides of a collapsible tube in the housing when it is closed, and means connected with each of said pressure members extending outwardly through the outer sides of the housing members, engageable by the hand for applying pressure to opposite sides of a collapsible tube to force the contents therefrom at its outlet end.

2,568,287
MECHANICALLY OPERATED SHAVER
Ingvar Lonne, Roscoe, Calif.
Application December 1, 1947, Serial No. 789,038
1 Claim. (Cl. 30—43)



In a shaver of the class described, a frame having a hollow shear member at one end transversely of the frame, a second hollow shear member movably mounted within the first shear member, both shear members having registering openings at the opposite sides thereof, a spring member secured to the lower portion of the shear members and having pairs of laterally spaced spring arms extending upwardly from the lower portion of the outer shear member to the outer sides thereof, the upper ends of the arms having angular portions, gates, one pivotally mounted at its lower portion between the arms of each pair and in the angular portions thereof, in such a manner as normally to close the openings, and means at the lower portions and outwardly from the pivotal axes thereof to facilitate tilting the gates outwardly to uncover the openings.

2,568,288
METHOD OF COATING PAPER
William J. Montgomery, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
No Drawing. Application April 30, 1948, Serial No. 24,419
23 Claims. (Cl. 117—66)

1. In the process of making cast surfaced coated paper wherein an aqueous coating composition comprising adhesive and insoluble filler which is adherent to a finished casting surface while plastic is set to a non-plastic condition while immovably adhering to said casting surface, the improvement which comprises maintaining on said casting surface an invisible continuous film of oleaginous material of a thickness substantially less than 2000 Angstrom units and insufficient to interfere with the adherence of the coating to the casting surface while the coating is wet but of a thickness and continuity sufficient to effect a clean separation of the dried coating from the casting surface.

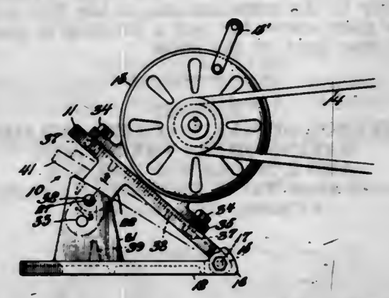
2,568,289
TOY JACK
Elmer F. Morey, Riverside, Calif.
Application April 5, 1949, Serial No. 85,689
3 Claims. (Cl. 254—8)

1. A lifting toy jack comprising a bottom wall, a pair of spaced side walls positioned upon said bottom wall and secured to the latter, an end wall positioned intermediate said side walls adjacent one end of said bottom wall and secured to said bottom and side walls, an upstanding nut element positioned inwardly of and in parallel spaced relation with respect to said end wall and fixedly secured to said bottom and side walls, a longitudinally extending lifting lever superimposed upon said bottom wall adjacent to and spaced from said nut element and connected adjacent one end to said side walls for rocking movement about an axis transverse of said side



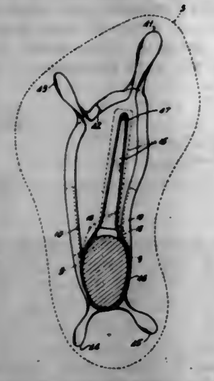
walls, said lever embodying a longitudinally extending arm and second arm positioned adjacent said one end of said first-named arm and dependingly secured to the latter, an element rotatably supported in said end wall and said nut element and having one end engageable with said second arm of said lever, and hand actuable means on the other end of said element for effecting the rotation of said element to thereby cause the rocking movement of said lever.

2,568,290
MOTOR MOUNT
Edward Mountain and George D. Lawton, Providence, R. I.
Application November 26, 1948, Serial No. 62,048
4 Claims. (Cl. 74—242.13)



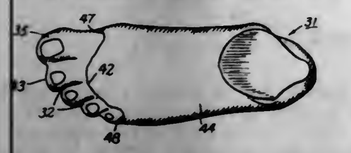
1. A mount for a motor comprising a base member having spaced upright arms at one end portion thereof, said base having openings therein for receiving fastening means to secure said base in position, a platform member having ears depending therefrom at one end portion thereof, a motor secured to said platform, a pulley carried by said motor, a driving belt trained over said pulley for transmitting motion from said motor to the work, said platform being hingedly mounted to said base at a location thereon to one side of the axis of said motor inwardly of the stretch of said belt for movement relative to said base whereby movement of said platform toward said base will tension said belt and movement outwardly from said base will loosen said belt out of driving relation with said pulley, said ears extending between said arms in close adjacency thereto, and resiliently actuated interlocking means carried by said arms and ears for detachably locking said ears and arms to each other, said interlocking means being moved out of locking engagement by a manual force applied to said platform whereby said platform may be quickly moved to position the motor and the belt carried thereby in and out of driving relation with the work.

2,568,291
PROCESS OF MAKING SHOES
Alan E. Murray, New York, N. Y.
Application December 19, 1946, Serial No. 717,246
9 Claims. (Cl. 12—142)



1. The process of making a shoe which comprises providing a pad enclosing a formable material, securing a flat foot-bottom cover piece wider than the pad directly to one surface of the pad, placing over the foot-bottom cover piece a member having a foot shape resting on and in contact with the foot-bottom cover piece, sticking the upper margin of the foot-bottom cover piece to the sides of the member, and fastening by an adhesive material to the periphery of the pad below the foot-bottom cover piece and directly to the outer margin of the foot-bottom cover piece above the pad a covering to produce the upper part of the shoe.

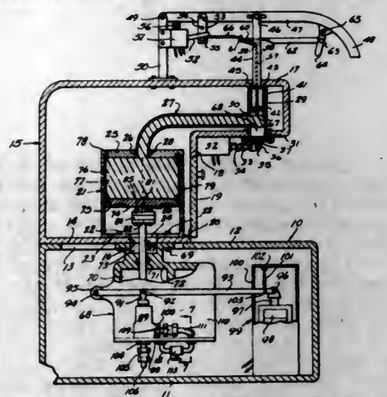
2,568,292
METHOD OF MAKING CASTS AND FOR MAKING SHOES THEREFROM
Alan E. Murray, New York, N. Y.
Application May 14, 1949, Serial No. 93,272
3 Claims. (Cl. 18—55.05)



3. The process which comprises molding a shoe, having a side wall, from moldable materials so as to conform to a static form of a foot, walking with said foot in said molded shoe until said shoe is modified to the form of said foot in action, making a cast in said modified shoe having the shape of the foot in action and modifying the cast to increase the length of the toes and decrease the depth of the foot.

2,568,293
ICE-CREAM DISPENSING MACHINE
Edward Nelson, Sycamore, Ill.
Application May 19, 1950, Serial No. 162,852
5 Claims. (Cl. 107—14)

1. An ice cream dispensing machine comprising a support, an ice cream cylinder mounted upon the support and adapted to hold a compressible container of ice cream, the cylinder having an outlet opening, a piston slidably mounted within the cylinder for compressing the ice cream container to force ice cream through said outlet opening, a conveyor tube connected with the ice cream cylinder and leading from said outlet opening, an ejector cylinder secured to the support and spaced from the ice cream cylinder and connected with the conveyor tube, the conveyor tube leading into the side of the ejector cylinder near one end of such cylinder, one end of the ejector cylinder being open, a slide plate for covering the open end of the ejector cylinder and being shiftable to an open position, an ejector piston mounted within the ejector cylinder for forcing ice cream from the open end of the ejector cylinder when the slide plate is in the open position, manually op-

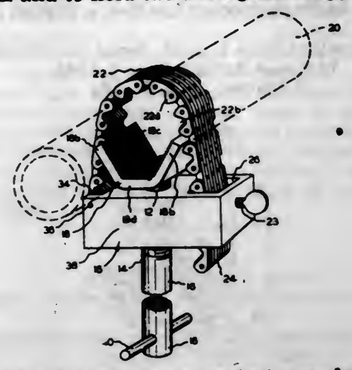


erated means connected with the ejector piston to reciprocate it, electrical means connected with the slide plate and manually operated means and actuated by the manually operated means for opening the slide plate when the ejector piston moves toward the open end of the ejector cylinder, hydraulic means mounted upon the support and connected with the piston of the ice cream cylinder for shifting it in a direction to compress the container of ice cream, and separate electrical means connected with said hydraulic means for actuating the hydraulic means and operated by the manually operated means when such means shifts the ejector piston away from the open end of the ejector cylinder.

2,568,294
GRIPPING AND DISASSEMBLING TOOL
John R. Nichols, Jackson, Mich., assignor to James E. McLendon, doing business as Time Saver Tool Co., Dallas, Tex.
Application December 16, 1948, Serial No. 65,631
2 Claims. (Cl. 81—65)

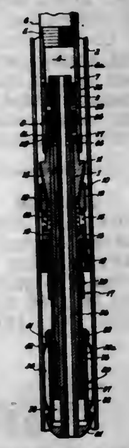
2. In combination, a chain clamp and impact receiving tool for removing and installing automobile tail pipes, comprising a head having a striking surface formed on opposite faces thereof and provided with a longitudinal, threaded bore, said head further having a longitudinal slot in one side thereof intermediate the striking surfaces, a rod having a threaded portion for longitudinal adjustment in the bore of said head and defining a handle, a work engaging shoe rotatably mounted on the end of said rod and having a roughened work contacting surface, a chain having one end pivoted to the opposite side of said head intermediate the striking surfaces and adapted to be passed over work engaged by said shoe, a pair of opposed projections in the slot of said head between which said chain is passed for latching said chain in the side of said head opposite the pivotal attachment of said chain and

means for rotating said handle to advance said shoe against the work to impose tension on said chain and to hold the tool against slippage while



applying hammer blows against one of said striking surfaces to shift the work in an axial direction.

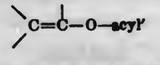
2,568,295
WELL PACKER
John S. Page, Long Beach, Calif., assignor to Page Oil Tools, Inc., Long Beach, Calif., a corporation of California
Application April 27, 1946, Serial No. 665,485
10 Claims. (Cl. 166—12)



1. A well tool for attachment to a tubing string for positioning in the casing of a well comprising a tubular elongated body, a pair of tubular elements mounted coaxially on said body for limited independent movement relative thereto, a packer on the outer of said tubular elements for sealing against the well casing, casing gripping means comprising a slip head and slips on said body, means attaching the outer of said tubular elements to said slips to effect movement of the latter into and out of casing gripping position on relative movement of said outer tubular element and said body, said body having an opening through its wall to permit well fluid to by-pass said packer, a valve on the inner of said tubular elements for controlling said opening on relative movement of said inner element and body, and interengaging members on said elements and said body for releasably locking said elements against movement in positions in which said by-pass is open and said gripping means are out of casing gripping position.

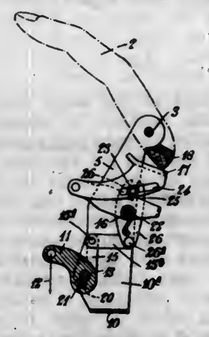
2,568,296
REACTION OF ENOL ESTERS WITH ALKOXY-CARBOXYLIC ACID ANHYDRIDES
Benjamin Phillips, Jr., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application July 28, 1948, Serial No. 41,178
14 Claims. (Cl. 260—484)

1. A process which comprises forming a mixture of an alkoxy monocarboxylic acid anhydride having the characteristic anhydride structure, —O—C—O—C—O—, and containing not more than ten carbon atoms to the alkoxy-acyl group, with at least two of said carbon atoms being in the acyl group thereof, and an enol ester which is a saturated aliphatic carboxylic ester of the enol form of a ketone, said enol ester having the characteristic structure,



in which the enolic carbon atom has two carbon atoms attached directly thereto, said anhydride and said enol ester each being composed of carbon, hydrogen and oxygen with the oxygen in linkage only to carbon; and heating said mixture at its reaction temperature in the presence of an esterification catalyst to form another enol ester differing from said first enol ester in the acyl group thereof which is the same as the acyl group of the alkoxy monocarboxylic acid anhydride, the enol alcohol radicals of both of said enol esters being the same.

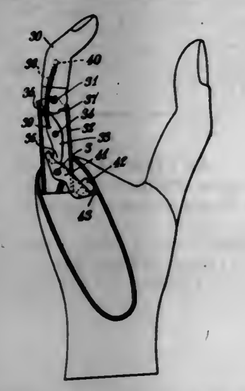
2,568,297
ARTIFICIAL LIMB
William James Philpott, London, England, assignor to Hugh Steeper Limited, a British company
Application June 2, 1949, Serial No. 96,701
In Great Britain June 4, 1948
4 Claims. (Cl. 3—12)



1. An artificial hand of the kind referred to, comprising a plurality of digits pivotally mounted in the palm portion of the hand, a chassis fixed within said palm portion, a control lever pivotally mounted on said chassis, a plurality of connected links within said palm portion and forming a first linkage system, said first system being operable by first means on said control lever contactible with one end link of said first system, another end link of said first system having means engaging the mountings of said digits for opening thereof, a plurality of connected links within said palm and forming a second linkage system, said second system being

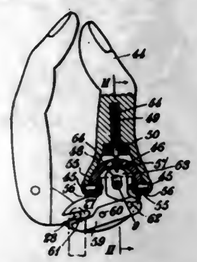
operable by second means on said control lever contactible with one end link of said second system, said first and second means on said control lever being spaced apart, whereby operation of said second system may commence before operation of said first system, and another end link of said second system having a surface forming a first jamming element contactible with a second jamming element on one of said digit mountings, and spring means mounted on said chassis, adapted to act on said systems and tending to close said hand, whereby said hand, in any position in its range of movement, is always locked by inter-action of said first and second jamming elements against opening, except opening by said first system, in which event said second system, moving in advance of said first system, keeps said first jamming element away from said second jamming element to prevent jamming and to permit said first system to open said hand.

2,568,298
ARTIFICIAL HAND
William James Philpott, London, England, assignor to Hugh Steeper Limited, a British company
Application June 2, 1949, Serial No. 96,702
In Great Britain June 4, 1948
1 Claim. (Cl. 3—12)



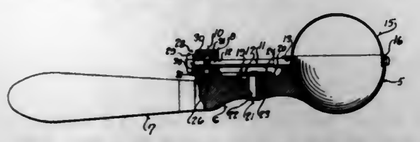
Artificial hand of the kind referred to comprising a palm portion, a plurality of digits pivotally mounted on said palm portion and movable relatively thereto for opening of said hand, and for closing of said hand by spring means, the fourth and fifth (little) fingers of said digits each having also a pivotal middle joint, said joint connecting upper and lower parts of said finger for movement of said upper part independently of said lower part from a normal to one of a plurality of bent positions, a release mechanism housed within each of said fourth and fifth fingers, each said mechanism including a rocker arm pivotally mounted within said lower part and selectively engageable at its upper end with recesses in the lower extremity of said upper part, the lower end of said rocker arm being releasably engageable with a catch lever pivotally mounted in said lower part and capable of abutting said palm portion, and spring means associated with each said release mechanism for returning said upper portion from said bent to said normal position when said hand is opened by the wearer to a predetermined position such that said catch lever is moved by said palm portion to rock said rocker arm out of engagement with the said recess with which it is in engagement.

2,568,299
ARTIFICIAL HAND
William James Philpott, London, England, assignor to Hugh Steeper Limited, a British company
Application June 2, 1949, Serial No. 96,703
In Great Britain June 4, 1948
2 Claims. (Cl. 3—12)



1. Artificial hand comprising a body portion, a thumb, said thumb including a casing, a part-spherical base located within the lower part of said casing and carrying said thumb, a retractible spring-pressed plunger arranged longitudinally within said casing and above said base, said base having a plurality of spaced, aligned apertures in any of which said plunger is engageable, a first pivotal mounting for mounting said base on said body portion for opening and closing movement of said thumb, and a second pivotal mounting for mounting said casing on said base piece, the axes of said pivotal mountings being substantially at right angles, whereby said thumb may be traversed about said second pivotal mounting and may be fixed in any one of a plurality of positions by selective engagement of said plunger with said apertures.

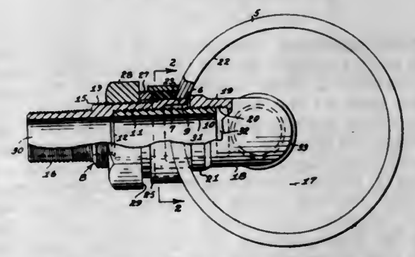
2,568,300
ICE-CREAM DISHER
Stephen J. Poplawski, Racine, Wis., assignor to John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application June 14, 1946, Serial No. 676,641
3 Claims. (Cl. 107—48)



1. An ice cream server comprising: a substantially hemispherical bowl; a handle secured to the bowl at one side thereof; a rotatable shaft carried by the handle coaxially with the bowl and having one end projecting toward and received in an aperture in the wall of the bowl; an arcuate scraper cooperable with and shaped to conform to the inner surface of the bowl; means connecting the scraper with said end of the shaft with the opposite ends of the scraper inside the bowl and on the shaft axis so that one full revolution of the shaft carries the scraper through 360° of movement with part of said movement allotted to travel of the scraper across the open top of the bowl and the remainder of said movement comprising a wiping stroke during which the scraper wipes across the inner face of the bowl; a manually operable actuating lever having an arcuate rack formed thereon pivotally mounted on the handle and having a predetermined range

of motion; means yieldingly urging said lever to one of its limits of motion; and a unidirectional driving connection between the lever and the shaft including a pinion having cam surfaces forming tooth projections on one side thereof mounted on the shaft and constrained to rotation thereon, said pinion cooperable with said arcuate rack and operable by movement of said actuating lever, and a head fixed to said shaft having yieldingly urged plungers mounted therein cooperable with said tooth projections by which actuation of the lever through said predetermined range of motion imparts rotation to the shaft.

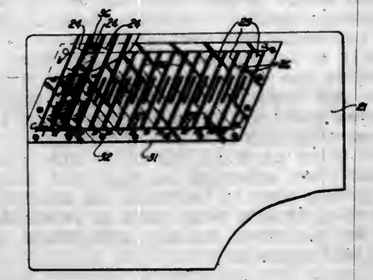
2,568,301
WELL FIXTURE SEAL
Fred H. Pottberg and Rudolph Clarence Freberg, Tinley Park, Ill.
Application December 14, 1948, Serial No. 65,124
3 Claims. (Cl. 285—30)



1. A well fixture seal for making a fluid-tight connection with an internally-threaded end of a pipe elbow within a well casing through a side hole in the wall of the latter, which includes an adapter having a passage therethrough, a threaded intermediate portion on the adapter for receiving a nut thereon, an externally-threaded reduced outer end portion on the adapter beyond one end of the first-mentioned threaded portion, and a skirt portion formed beyond the other end of said first-mentioned threaded portion serving to extend into the side hole in said wall casing, externally-threaded means of smaller external diameter than that of the skirt portion projecting beyond the latter through said hole into the interior of said well casing in a position to enter into threaded engagement with said internally-threaded end of said pipe elbow with said elbow engaging radially outward against the interior surface of said well casing, a resilient sealing ring surrounding the skirt portion of the adapter with one end contoured to fit against the exterior round surface of the well casing, a rigid pressure collar surrounding the resilient sealing ring and having the inner end contoured to fit against said exterior round surface of said well casing, and a pressure ring disposed between the nut and the outer end of said resilient sealing ring and extending into the outer end of said pressure collar for compressing said resilient sealing ring within the latter.

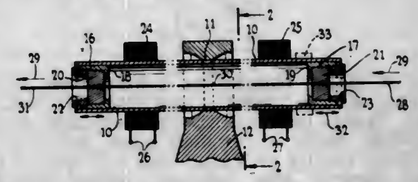
2,568,302
INNER GUIDE FOR VISIBLE INDEX SYSTEMS
William J. Redmond, Cedar Rapids, Iowa, and Edward L. Sayers, Griffin, Ga.
Application September 15, 1948, Serial No. 49,408
3 Claims. (Cl. 129—16.7)

1. A guide for a visible index system comprising a sheet having a window therein, a member having a plurality of individual card-receiving formations mounted at one side of said window, and a transparent cover mounted on the opposite side of the window through which cards in said formations are visible, said member having



an elongated slit formed to provide access to each of said formations to facilitate the removal of cards therefrom.

2,568,303
APPARATUS FOR DRAWING WIRE
Adolph H. Rosenthal, New York, N. Y., assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application October 4, 1944, Serial No. 557,066
2 Claims. (Cl. 205—14)



1. In an apparatus for drawing wire, in combination, a rigid support, a tubular member of ferromagnetic material of the type which under the action of varying magnetic fluxes exhibits magneto-striction effects, said tubular member projecting from said support, a wire drawing die holder mounted in said member spaced from said support, and electromagnetic means for producing in said tubular member magneto-striction effects to forcibly reciprocate its projecting end essentially in a direction parallel to that of drawing a wire.

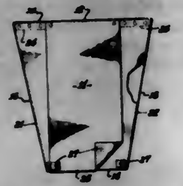
2,568,304
CHILD RESTRAINER
Nathan Schoenbrun, Scranton, Pa.
Application February 14, 1947, Serial No. 728,441
3 Claims. (Cl. 227—49)



1. A child's harness comprising a first pair of resilient straps each permanently curved longitudinally to a substantially U-shaped form, a rivet securing said straps together at corresponding ends thereof to provide a resilient chest encircling member, a second pair of resilient straps each permanently curved longitudinally to a substantially U-shaped form and each having one end connected to said rivet and its other

end connected to a respective strap of said first pair of straps at the end of the associated strap of said first pair remote from said rivet, the associated straps of said first and second pairs constituting shoulder receiving loops, a third pair of resilient straps permanently curved longitudinally to substantially U-shaped form and each having one end connected to said rivet so that the two straps of said third pair together constitute a waist encircling member spaced from said chest encircling member, the straps of said first and third pairs having their ends remote from said rivet separated so that said harness can be sprung open to facilitate the application thereof to a child's body, and a swivel hook secured to said rivet for the attachment of a leash to said harness.

2,568,305
DIAPER
Juanita R. Slusser, Pomona, Calif.
Application May 28, 1949, Serial No. 95,920
4 Claims. (Cl. 128—284)



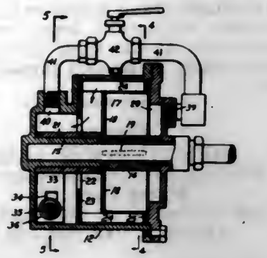
1. A diaper comprising a first sheet section, a liner section normally overlying said first section, means permanently securing said sections together along a common edge, each of said sections having an outer free end spaced from said common edge, fastening means releasably securing said outer edge of the first section to one of the sections at a pair of spaced locations adjacent said common edge, and additional fastening means independently releasably securing the outer edge of the second section to one of said sections at a pair of spaced locations adjacent said common edge.

2,568,306
STYLUS STRUCTURE FOR ELECTRICAL RECORDERS
Hamilton Alan Stamper, North Hollywood, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 3, 1949, Serial No. 119,286
3 Claims. (Cl. 346—139)



1. A stylus structure for an electrical recorder having a stylus support movable through a path parallel to a recording surface, said stylus structure comprising: guide means on said support for laterally supporting a stylus wire extending therepast into recording relation with said surface; a drum member rotatably mounted on said support and having a length of stylus wire wound thereon and having one end extending substantially tangentially from the drum past said guide means to the recording surface, and a yieldable matrix on said drum in which said stylus wire is embedded.

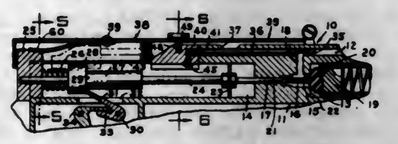
2,568,307
FLUID GOVERNOR
John Daniel Summers, Randwick, Sydney, New South Wales, Australia
Application August 2, 1949, Serial No. 108,152
In Australia August 17, 1948
1 Claim. (Cl. 264—14)



A fluid governor consisting of a shaft connected to the motive means to be controlled, said shaft having a fluid driving impeller thereon with an inlet at the centre and an outlet at the periphery; a driven impeller rotatably free on said shaft having its actuating part projecting over the periphery of the driving impeller; a stationary casing surrounding said impellers; a fluid inlet to said casing in juxtaposition to the driving impeller inlet and an outlet from the casing in juxtaposition to the driven impeller outlet; a pipe connection between the casing inlet and outlet with a valve in said pipe; a torque arm on said driven impeller connected to an adjustable torque spring; a gear on said driven impeller engaging a pinion on a pinion shaft having a connection to the control means whereby the motive means is actuated

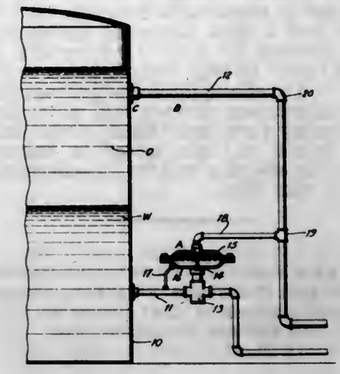
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2,568,308
COCKING MECHANISM FOR PNEUMATIC GUNS
William S. Wells, Palo Alto, Calif., assignor to Daisy Manufacturing Company, Plymouth, Mich., a corporation of Michigan
Application July 21, 1947, Serial No. 762,393
7 Claims. (Cl. 124—13)



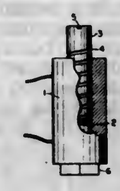
2. A gun comprising a frame having a barrel, a shot positioning pin slidably supported in the breech end of the barrel for advancing shot to a firing position in the barrel, a member supported on the frame at the breech end of the barrel for sliding movement longitudinally of the barrel cooperating means on said member and frame preventing relative rotation between said member and frame and supporting said member for fore and aft longitudinal movement on said frame, means connecting said member to said positioning pin so that said positioning pin will be actuated by movement of said member, and releasable means responsive to movement of the member to its forwardmost position with respect to the barrel to releasably retain the member in its advanced position in said barrel.

2,568,309
AUTOMATIC BLEEDER FOR WATER AND OIL SEPARATION
Richard A. Werts, Wilmington, Calif.
Application January 16, 1948, Serial No. 2,645
3 Claims. (Cl. 210—51)



1. In combination with a tank adapted to contain oil and separated water having a water outlet and an oil outlet, and a diaphragm valve controlling the water outlet, means for connecting the water and oil outlets respectively to the diaphragm valve so that water outlet pressure is effective to urge the valve to open and oil outlet pressure is effective to urge the valve to close, the connecting means between the oil outlet and the valve being characterized by being connected to the oil outlet at approximately the same horizontal level as that of the diaphragm valve so that if there is an opportunity for dead oil to collect therein, the dead oil does not have the increase in its density effective on the diaphragm.

2,568,310
INDUCTANCE COIL STRUCTURE
Richard E. Whiffen, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application March 30, 1948, Serial No. 18,042
4 Claims. (Cl. 171—242)



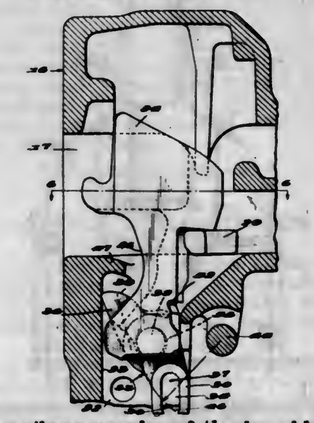
1. A high frequency inductance device comprising a coil supporting form of non-conductive magnetic material, said form being provided with a cylindrical bore, a coil formed in the lateral surface of said bore, said coil being immovable with respect to said form, said coil constituting a screw thread on the inner surface of said form, and a cylindrical core of non-conductive magnetic material having substantially the diameter of said bore and having formed in its lateral surface a groove dimensioned to act as a screw thread co-acting with the screw thread formed by said coil to accurately position said core in said form.

2,568,311
SAFETY DEVICE FOR HYDRAULIC BRAKES
David L. Wise, Watsonville, and Arthur R. King, Salinas, Calif.
Application April 10, 1950, Serial No. 155,084
2 Claims. (Cl. 60—54.5)



1. In an automotive vehicle having a hydraulic brake system including a master cylinder and lines leading to the front and rear wheel brakes; a safety coupling connecting said master cylinder to said lines including a cylinder, apertured closures at the ends of said cylinder and secured to the front and rear wheel brake lines, means connecting the master cylinder centrally to said cylinder for communication with the interior of the latter, opposed pistons axially slidable in said cylinder, resilient means within said cylinder between said pistons and said closures normally urging said pistons toward each other, and means for locking each of said pistons in a position within said cylinder to prevent further delivery of hydraulic fluid to said brake lines when a leak occurs in said lines, said last-named means including radial bores through the wall of said cylinder, plungers slidable in said bores, adjustable resilient means normally urging said plungers into said cylinder and toward said pistons and means causing locking engagement between said plungers and said pistons after predetermined sliding movement of said pistons toward said closures, said means causing locking engagement of said plungers and said pistons including an enlarged shoulder on each piston having a beveled surface adapted to abut each of said plungers and raise the latter against action of said resilient means, and an annular groove in each of said shoulders adapted to lockingly receive each of said plungers.

2,568,312
CAR COUPLER
Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application March 15, 1948, Serial No. 15,020
8 Claims. (Cl. 213—148)



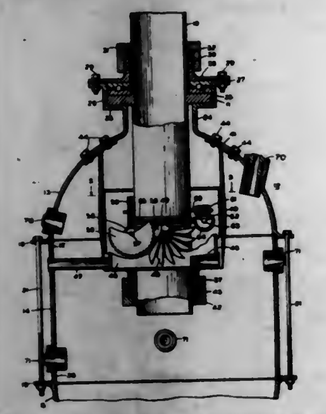
3. In a railway coupler of the knuckle type, a coupler head having a front opening therein,

said coupler head having a throat extending downwardly from the front opening, a wall surface on the coupler head defining the forward boundary of said throat, a lock including a leg adapted to extend into said throat in the locked position thereof, a lug carried by the coupler head having an upper surface arching downwardly from a lower edge of the front opening and projecting rearwardly from said wall surface into said throat, an under surface on said lug substantially parallel with said upper surface, a rotor lever mounted for rotary movement on a lower portion of the coupler head, a toggle pivotally connected at one end to said rotary lever and at an intermediate portion to the leg of said lock, an arm carried by the toggle, an arcuate-shaped nose portion on the arm shaped to engage and conform to the curvature of the under surface of said lug to prevent upward movement of the lock.

2,568,313
MANUFACTURE OF RESINS FROM ALDEHYDES AND AROMATIC HYDROCARBONS
Thomas Geoffrey Woolhouse, Saltburn-by-the-Sea, and William Lunn, Redcar, England
No Drawing. Application December 9, 1948, Serial No. 64,442. In Great Britain December 16, 1947
3 Claims. (Cl. 260—67)

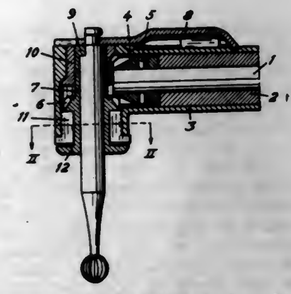
1. A process for the manufacture of resins which comprises reacting an aldehyde in the presence of an acid with an aromatic hydrocarbon having no non-benzoid unsaturation, extracting the reaction product from the reaction mixture with an organic solvent immiscible with water in the presence of an emulsion-breaking wetting agent which has surface activity in the presence of the acid used, the said agent being added in a proportion to break an emulsion liable to be formed in the extraction, separating the solution of the reaction product in the organic solvent from the acid phase, neutralising the said solution with a solid substantially water-free neutralising agent, isolating the neutral solution and removing the solvent.

2,568,314
APPARATUS FOR CLEANING TANKS
Walter H. Bell, Port Arthur, Tex.
Application July 23, 1947, Serial No. 762,866
5 Claims. (Cl. 299—67)



1. Tank cleaning apparatus comprising a fluid delivery tube adapted to be lowered in a tank, a hollow casing having an interior chamber with which the lower end of said tube is in communication, members for rotatably supporting said casing on the lower end of said tube, said casing having a plurality of fixedly mounted nozzles extending from the interior chamber and through the wall thereof for simultaneous discharge of a plurality of jets of fluid, a closed compartment in said interior chamber and having a fluid inlet in communication with said interior chamber and a fluid discharge passageway extending through the wall of said casing, a fluid actuated motor in said compartment interposed between said inlet and discharge passageway, and driving connections between said motor and said tube including a ring gear fixed on said tube and a gear driven by said motor in engagement therewith for effecting rotation of said casing with respect to said tube.

2,568,315
CONTRA-ANGLE DENTAL HANDPIECE
Gustaf Erik Björklund, Stockholm, Sweden
Application March 15, 1947, Serial No. 734,905
In Sweden March 20, 1946
3 Claims. (Cl. 32—27)



1. A contraangle handpiece for dental drills having a shank and a working head comprising a casing, a spindle sleeve rotatably mounted in said casing for holding a drill shank, a driving shaft rotatably mounted in said casing for rotation about an axis angularly related to the axis of said sleeve, gearing connecting said shaft and said sleeve at a place intermediate the ends of the latter, a bearing sleeve fixed in said casing and having an internal bearing surface engaging the portion of the spindle sleeve on the side of the gearing remote from the working head of the drill to provide a radial bearing for the spindle sleeve, said spindle sleeve having a circumferentially extending flange located outside of said casing on the side of said gearing adjacent to said drill head, said flange having an upper bearing surface, and a bushing fixed in said casing and having a lower bearing surface engaging said flange bearing surface to provide a thrust bearing for absorbing the axial thrust from said drill, said bushing further having an internal bearing surface engaging said spindle sleeve to provide a second radial bearing therefor.

2,568,316
SWIM GOGGLES
William Edward Brown, Shelburn, Ind., assignor to Perfection Packaging, Shelburn, Ind., a copartnership composed of William E. Brown and Cyril H. Brown
Application May 5, 1948, Serial No. 25,189
7 Claims. (Cl. 2—14)

2. A swimming goggle comprising a sheet of waterproof, flexible material of substantial elasticity contoured to cover the face of a user from a level above the eyes to a level below the nose, and transparent means carried by said sheet for registry with the eyes of a user, said sheet being provided with an opening therein substantially in the form of an inverted T for the projection therethrough of a substantial portion of the tip



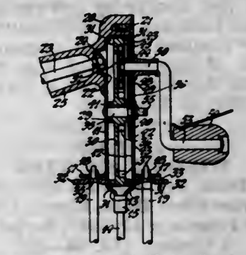
of the user's nose, said opening defining two oppositely-arranged, substantially L-shaped flaps which, when the goggle is donned by a user, will be turned out of the general plane of the sheet to lie in intimate contact with the sides of the user's nose closely above the lateral edges of the nostrils thereof.

2,568,317
DENTAL SPONGE APPLICATOR
Monroe J. Bump, Parma, Ohio
Application November 26, 1949, Serial No. 129,542
4 Claims. (Cl. 32—35)



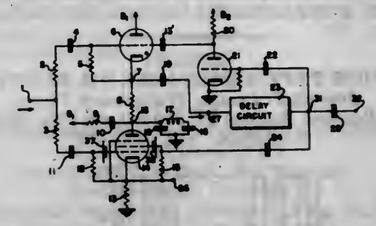
1. A bilateral lingual sponge applicator comprising two spaced-apart trough like sponge holders and connecting means linearly extending between the sponge holders, said means comprising a tubular slide member connected to one of the sponge holders, a stem member connected to the other sponge holder, an adjustable member on the stem member to change the effective length of said adjustable member and said stem member and adapted to telescope into the tubular member, a precompressed spring acting on the telescoped members and stop means for maintaining the telescoped members in telescoped relation against the expanding influence of the spring.

2,568,318
DRIVE MECHANISM FOR EGG BEATERS
Frank R. Chester, Santa Monica, Calif.
Application March 23, 1946, Serial No. 656,700
4 Claims. (Cl. 74—665)



1. In a mechanism of the class described: a frame; an operating member rotatable on said frame; a driven gear for the operating member; a driving member rotatable on said frame and provided with a crown gear in mesh with the driven gear, said driving member also including a pinion gear and an internal gear arranged concentric with and surrounding said pinion gear; a plate member movable on said frame radially of said driving member; a drive gear rotatable on said plate member; and means for rotating said drive gear, said plate member being movable in one direction to engage said drive gear with said internal gear and in another direction to engage said drive gear with said pinion gear whereby to vary the speed ratio between said drive gear and said operating member, said pinion, when being shifted from enmeshed relation from one to the other gear, being adapted to mesh with both gears until wholly enmeshed with one.

2,568,319
ELECTRONIC FREQUENCY DIVIDER APPARATUS EMPLOYING DELAY CIRCUITS
Orland M. Christensen, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application July 21, 1943, Serial No. 495,667
13 Claims. (Cl. 250—27)



7. Frequency dividing apparatus comprising, a coincidence circuit for producing an output signal when first and second signal voltages are simultaneously applied thereto, a source of voltage at a frequency to be divided, an energy storage circuit and a control tube, means coupling said coincidence circuit to said control tube, means coupling said storage means to said coincidence circuit, means coupling said source to said control tube and said coincidence circuit whereby signals from said source are simultaneously applied to said control tube and said coincidence circuit, a delay circuit coupled to said control tube, means for excluding all but selected signals from said delay circuit, the output of said delay circuit being connected to said coincidence circuit, whereby simultaneous energization of said coincidence circuit from said source and said delay circuit output is operative to produce an output signal of lower frequency than said source voltage.

2,568,320
FLUID-OPERATED PUMP SYSTEM WITH PARALLEL TUBING
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Co., Cleveland, Ohio, a corporation of Ohio
Application January 5, 1948, Serial No. 480
19 Claims. (Cl. 103—46)

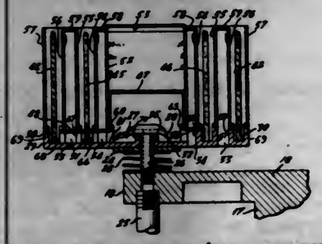
1. In a fluid-operated pumping device, the combination of: a pump tubing; a fluid-operated pump adapted to be passed through said tubing; first sealing means associated with said pump and adapted to form a fluid-tight seal between said

pump and said tubing during passage of said pump upwardly through said tubing; by-pass means adapted to open upwardly to relieve excessive fluid pressure on the lower side of said



first sealing means; and second sealing means associated with said pump above said first sealing means and adapted to form a fluid-tight seal between said pump and said tubing during passage of said pump upwardly through said tubing.

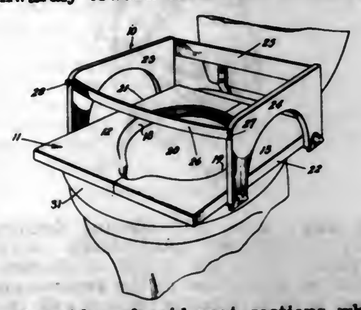
2,568,321
WICK TYPE REMOVABLE OIL BURNER
Joseph F. Coscia, Waterbury, Conn.
Application August 27, 1946, Serial No. 693,366
5 Claims. (Cl. 158—88)



2. In an oil burner, a base support, an oil fountain secured to and extending above said base support, a burner unit comprising a burner plate having a plurality of annular partition walls concentrically arranged in spaced relation, said walls in conjunction defining a wick channel surrounding a central chamber, a radial duct interconnecting said central chamber and said wick channel, said burner plate having an elongated opening in the bottom of the central chamber, said base support detachably carrying said burner plate with said opening loosely receiving said oil fountain, and means for locking said burner unit to said base support to hold said oil fountain within said central chamber.

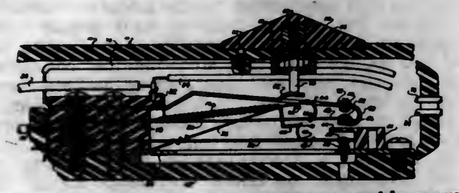
2,568,322
INFANT'S TOILET SEAT
Wesley W. Cunningham, Tulsa, Okla.; Mary Louise Cunningham administratrix of said Wesley W. Cunningham, deceased
Application March 2, 1946, Serial No. 651,470
4 Claims. (Cl. 4—239)

1. A foldable infant's toilet seat, comprising a pair of foldable seat sections having outer edges and having inner edges which are adjacent each other when said sections are unfolded, said seat sections having facing curved openings extending from the inner edges thereof toward the outer edges thereof to form a seat when said seat sections are unfolded, a pair of arm panels, hinge means respectively hinging said arm panels to the respective seat sections along the outer edges of said seat sections so that said arm panels extend vertically upward from said seat sections when the seat is unfolded for use and are foldable inwardly toward each other to rest against



the under sides of said seat sections when the seat is folded, and hinge means hinging said seat sections together along the under sides thereof and provided with means for displacing said under sides of said seat sections apart a distance at least equal to the combined thicknesses of said arm panels when said seat sections are folded toward each other with the arm panels folded against the under sides of said seat sections.

2,568,323
ELECTRIC CONTROL SWITCH
George Franklin Dales, Akron, Ohio, assignor of forty-nine per cent to Alton R. Wells, Akron, Ohio
Application March 20, 1946, Serial No. 655,727
3 Claims. (Cl. 200—122)



1. A control switch including a movable member, motor means associated with the member to effect reciprocal movement of the member in a predetermined fixed time and distance cycle, a contact arm, an over-center spring connecting the contact arm and the member, a movable element, a pair of spaced stops carried by the element, at least one of the stops being an electrical contact, the contact arm being biased into contact with one stop or the other as the spring is actuated over center by the reciprocal movement of said member, and adjusting means for varying the position of the element to control the fraction of one cycle of the motor means during which the contact arm is biased into contact with either of the stops.

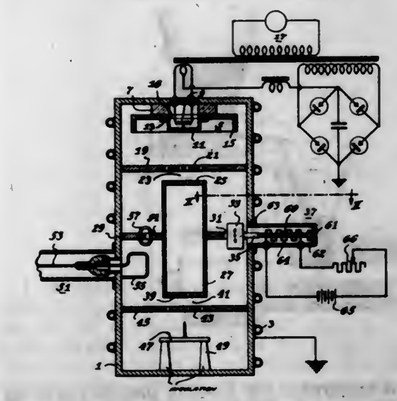
2,568,324
WINDOW SHUTTER
Arie den Dulk, Sr., Ripon, Calif., assignor to Herbert den Dulk, Ripon, Calif.
Application February 17, 1947, Serial No. 729,157
1 Claim. (Cl. 20—62)

In combination with a shutter structure which includes top and bottom tilt rails, suspension cords connecting the rails, ladder tapes extending between the rails and including front and back straps and cross tapes at intervals, the front straps being connected to the rails at their front edge, shutter slats supported on the cross tapes, a head rail, means pivoting the top tilt rail from the head rail back of the point of connection of the suspension cords therewith and means mounted on the head rail and operatively connected to the top tilt rail to tilt the same; a



means to mount said structure on a windowed door comprising a pair of rigid uprights adapted to be secured on the door to the sides of the windowed area thereof, means rigidly connecting the head rail to the uprights, means hingedly connecting the bottom tilt rail at the back on the uprights, the latter being spaced apart the same as the spacing of the back straps of the ladder straps, and means securing said back straps only adjacent the top and bottom thereof on the uprights.

2,568,325
ULTRA HIGH FREQUENCY GENERATOR
Hymen Diamond, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1940, Serial No. 344,832
12 Claims. (Cl. 315—6)



1. An ultra-high frequency device comprising a container, a plurality of electrodes therein defining a discharge path, a plurality of hollow body resonators in said discharge path, a metal part adapted to move into said hollow body resonators, and means for moving said metal part, said means including electrical conductors sealed through said container.

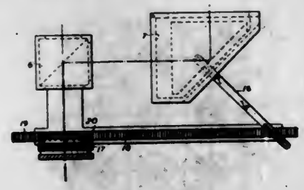
2,568,326
COMPENSATING HAIRSPRING
Ernest Dubois, La Chaux de Fonds, Switzerland
No Drawing. Application June 1, 1950, Serial No. 165,577. In Switzerland June 20, 1949
4 Claims. (Cl. 75—123)

1. A compensating hairspring of an elasticity at least equal to that of tempered steel hairsprings, and constituted by an alloy such that the strict compensation obtained by association with a mono-metallic balance-wheel of the uncut nickel type is ensured by the aid of the alpha-iron-nickel complex, the nickel being in a proportion of 24 to 27 per cent., with auxiliary additions composed in such a way that the temperature permitting perfect fixing to be obtained is at the maximum 550 degrees centigrade, constituted by an alloy the composition of which is included between the following limits:

	Per cent
Nickel	24 to 27
Carbon	0.20 to 0.7
Columbium	1 to 5
Manganese	0.5 to 1

Iron, the remainder.

2,568,327
STEREOSCOPIC PHOTOGRAPHY AND KINEMATOGRAPHY
Leslie Peter Clarence Jack Dudley, Twickenham, England
Application October 1, 1948, Serial No. 52,207
In Great Britain October 2, 1947
1 Claim. (Cl. 95—18)



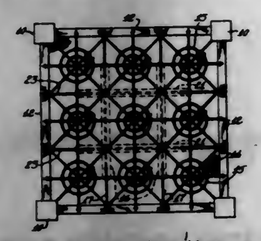
An optical device for enabling a camera having a single objective to be used in the direct production of a stereoscopic anaglyph, said device having a focusing control means comprising a rotatable, hand operated focusing ring, light reflecting means having an adjustably mounted component movable to different positions to enable accurate superposing of images in said camera of the left-eye view and the right-eye view of an object, means comprising a mechanical linkage coupling said rotatable, hand operated focusing ring so that adjustment of the reflecting means is effected automatically by the operation of focusing the camera, the said adjustably mounted component being mounted for pivotal movement on said device about a vertical axis and the said mechanical linkage comprising a pinion associated with said focusing ring, a rack engageable with said pinion and a lever carried by said adjustably mounted component and connected to said rack.

2,568,328
NAIL POLISH APPLICATOR
Joseph Elby, Los Angeles, Calif.
Application August 6, 1948, Serial No. 42,889
4 Claims. (Cl. 132—73)



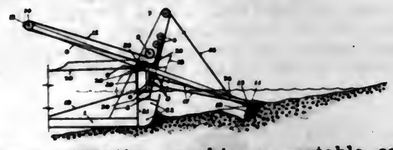
1. An applicator device, comprising: a channel shaped guard member of generally rectangular cross section having a top wall, side walls and an end wall, the lower edges of said side walls sloping downwardly from the open end of said top wall to provide an open pointed tip; and a liquid applying element secured within said guard member and having a tapered end disposed between the sloping portions of said side walls and following the contour thereof, said element being substantially equal in cross-sectional area to that of the interior of said member and capable of absorbing liquid and applying the same to a surface along which the device is drawn with the element in contact therewith, the edges of said side walls and the edge of said top wall at the open end of said guard member defining the boundaries of the liquid applied to the surface so as to prevent spreading of the liquid.

2,568,329
FURNITURE CONSTRUCTION
Lee M. Eldridge, Dundalk, Md., assignor to Custom Upholstering and Carpet Company, Inc., Baltimore, Md., a corporation of Maryland
Application July 11, 1950, Serial No. 173,197
3 Claims. (Cl. 155—179)



1. In a furniture construction, a frame having end and side rails, a fabric bottom webbing secured to the bottom of said rails and stretched thereacross, a plurality of coil springs located on and extending upwardly from said webbing and tied together in spaced relation with respect to each other, the improvement comprising a cradling means for said webbing and springs including a plurality of metal straps spaced from the rails of said frame and extending along the bottom of said webbing in one direction, a plurality of metal straps spaced from said frame and extending along the bottom of said webbing in another direction, and a plurality of flexible cables secured at their ends to the top sides of said end and side rails of said frame and extending angularly downwardly therefrom through and along the bottoms of said straps and upwardly from the opposite ends thereof to the tops of said end and side rails of said frame, and secured thereto in a taut condition.

2,568,330
EXTENSIBLE RAMP FOR SHIPS
Thomas J. Flippin, Portland, Oreg.
Application October 19, 1945, Serial No. 623,356
28 Claims. (Cl. 114—0.5)

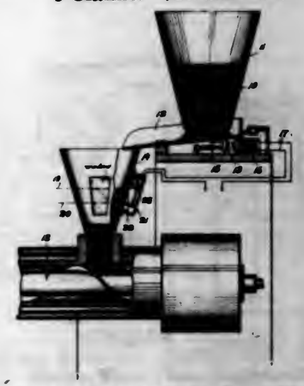


1. In combination, a ship, a portable cargo ramp for loading and unloading the ship, said ramp having an inboard end and an outboard end, a way on the ship for stowing said ramp, said ramp having longitudinal travel in said way, power operated cables engaging the inboard end of said ramp to effect said travel and extend the ramp from the ship with a positive thrust at different vertical angles, and means for elevating and depressing the outboard end of the ramp.

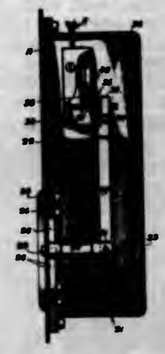
2,568,331
COPOLYMERIZATION OF STYRENE AND UNSATURATED POLYESTER
Vincent J. Frilette, New York, N. Y.
No Drawing. Application June 26, 1947, Serial No. 757,327
6 Claims. (Cl. 260—40)

1. The process of accelerating the conjoint polymerization of a mixture comprised of a dihydric alcohol polyester of an alpha-ethylenically unsaturated alpha-beta dicarboxylic acid and styrene by adding to the mixture an organic peroxide catalyst and a compound selected from the class consisting of the oxides and hydroxides of magnesium, calcium, strontium and barium, said compound being added in an amount effective to accelerate the conjoint polymerization without the application of external heat.

2,568,332
DEVICE CONTROLLING FLOW OF MATERIAL INTO A HOPPER, RESPONSIVE TO MATERIAL LEVEL IN SAID HOPPER
Anthony Genovese, Baltimore, Md., assignor to The National Plastic Products Company, Odenton, Md., a corporation of Maryland
Application April 15, 1946, Serial No. 662,375
6 Claims. (Cl. 222—56)

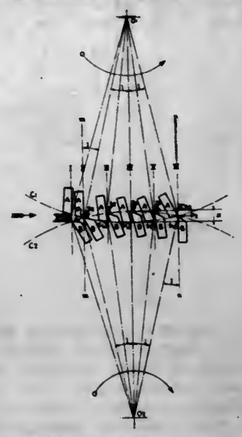


1. In an apparatus for feeding plastic particles to an extrusion machine, a primary hopper, a secondary hopper, an extrusion machine, said secondary hopper being directly connected to the feed opening of said extrusion machine, means for discharging particles from said primary hopper into the mouth of said secondary hopper, a weight sensitive diaphragm sensitive to the weight of particles within said secondary hopper moving outwardly to discontinue the discharge of particles into said secondary hopper when the level of particles therein has reached a predeter-



mined maximum, means controlled by the movement of said diaphragm and operatively connected therewith, and spring means operatively connected to said diaphragm controlled means for urging said weight sensitive means inwardly to start the discharge of particles into the secondary hopper when the level of particles therein has reached a predetermined minimum.

2,568,333
ROTARY FLYING SHEARS
Erhard Henschker, Parkstone, and Friedrich Hachenburg, London, England, assignors to The Loewy Engineering Company Limited, London, England, a corporation of Great Britain
Application June 29, 1949, Serial No. 101,944
In Great Britain December 22, 1947
3 Claims. (Cl. 164—66)

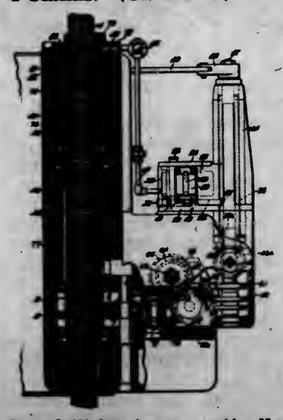


1. A rotary flying shear for cutting moving strip material having a pair of blade carriers rotatable in opposite directions and at least one blade rigidly mounted on each carrier, said blades being so positioned on said carrier that the planes through the cutting edges of co-operating blades on both carriers are parallel to the plane passing through the axes of the blade carriers, said carriers and said blades being so arranged relative to each other that the circles described by the cutting edges when rotating on said carriers intersect with each other, said blades being inclined relative to the radial plane through their cutting edges in opposite directions at an angle which is at least equal to half the angle included by the radial planes through the axes of rotation of the carriers for said blades at the points of intersection of the circles.

2,568,334
METHOD OF MAKING A SYNTHETIC DETERGENT COMPOSITION
Eugene F. Hill, Detroit, Clifton E. Smith, Allen Park, and Thomas H. Vaughn, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application June 15, 1946, Serial No. 677,034
1 Claim. (Cl. 252—161)

The method of making a synthetic detergent composition comprising the steps of preparing a 1–10% by weight water solution of sodium carboxymethylcellulose, adding sodium alkyl benzene sulfonate, whose alkyl group is derived from a petroleum hydrocarbon fraction boiling in the range of 150–300° C., thereto in the proportion of 2.5–100 parts to 1 part by weight, solids basis, of said sodium carboxymethylcellulose, heating the resultant mixture to approximately 90° C. and agitating, and then drying the resultant solution to solid form.

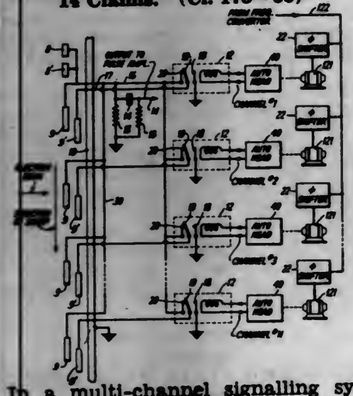
2,568,335
PUMP LUBRICATION FOR ELEVATING SCREWS
William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application June 29, 1945, Serial No. 602,331
4 Claims. (Cl. 184—6)



2. In a radial drill having a vertically movable arm, a nut and screw for elevating the arm, driving mechanism for rotating said nut, and a control lever shiftable to raising and lowering positions and connected to the driving mechanism for driving the nut in arm raising and lowering directions, a lubricant system for said nut and screw comprising; a lubricant pump, a cam operatively connected to the control lever to actuate said pump when the control lever is shifted to arm raising position, a conduit extending from said pump to the nut for delivering lubricant to the nut and screw, a housing for said nut, a bearing sleeve surrounding said nut within said housing, the bearing sleeve having a clearance area surrounding the upper end of the nut exteriorly

thereof, a lubricant delivery conduit extending from the pump to the clearance area, the nut having lubricant holes extending radially from said clearance area to the screw to deliver lubricant to the clearance between the screw and nut threads at the upper end of the nut for passage downwardly by gravity.

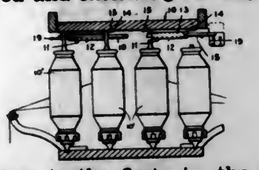
2,568,336
CATHODE-RAY TUBE COMMUTATOR SYSTEM
William D. Houghton, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 9, 1947, Serial No. 740,375
14 Claims. (Cl. 178—53)



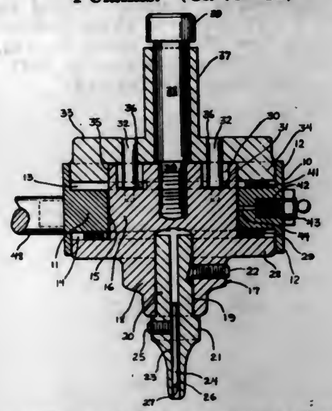
12. In a multi-channel signalling system, a commutator cathode ray tube for use in a multiplex system comprising an electron gun, a plurality of physically spaced sets of targets arranged in a circle, each set of targets comprising a pair of spaced plates whose adjacent ends overlap, whereby first one target and then the other target of each set is adapted to be bombarded by the electron beam emanating from said gun, and means for causing the electron beam to traverse a circular path whose diameter is the diameter of the circle on which lie said sets of targets, whereby the sets of targets are sequentially bombarded by the electron beam, said sets of targets being assigned to different channels of said system, a relay in each channel under control of keying mechanism for that channel, said relay having an armature, a break contact and a make contact, means for connecting together all of the break contacts of all said relays and only those targets of said sets which are first bombarded by said beam, a connection between the other target of each of said sets and the armature of the particular relay for that channel, a connection from the make contact of each relay to ground, circuits for synchronizing the operation of the keying mechanisms in the different channels with the sweep of the electron gun in said cathode ray tube, a common resistor connected to said first bombarded targets of said sets, a differentiator circuit connected across said resistor, and means coupled to said differentiator circuit for utilizing the output from said system.

2,568,337
SIGNALING DEVICE FOR SPINNING FRAMES
Joseph F. Hunt, Augusta, Ga.
Application November 7, 1949, Serial No. 125,870
4 Claims. (Cl. 116—132)

1. A signal device to be applied to the creel of a spinning frame, said device comprising a sleeve arranged beneath and secured to the creel, said sleeve having a longitudinal slot extending throughout its entire length, said sleeve being provided at one end and at its bottom with a notch and provided at its opposite end and at its side with a notch disposed at substantially 90° from the bottom notch, a rod mounted within the sleeve to move longitudinally and turn therein and being substantially longer than the sleeve, a flag secured to one end of the rod and extending radially thereof, said flag being provided upon each of its opposite faces with indicia indicating the condition of the spinning frame, one indicium being inverted with respect to the other indicium, a first pin secured to the rod near the flag and extending radially in the direction of the flag, and a second pin secured to the rod near the free end of the rod and extending radially in an opposite direction to the first pin, the second pin being adapted to enter the bottom notch when the rod is turned to bring the flag to the raised vertical position, the flag being turned to the lowered vertical position when the second pin is moved out of the bottom notch, the first pin being adapted to be moved into the side notch when the rod is shifted longitudinally inwardly and turned so that the flag is substantially horizontal, the pins being passable through the longitudinal slot to permit complete separation of the rod and flag from the sleeve.

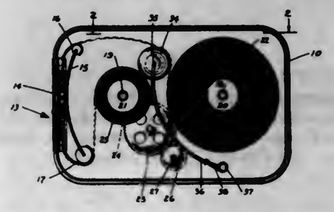


2,568,338
RIVETING DEVICE
Paul H. Irmischer, Chicago, Ill.
Application October 4, 1946, Serial No. 701,249
4 Claims. (Cl. 78—53)



1. A riveting device comprising a base member having a socket formed therein and an oppositely disposed cylindrical boss, a peen tool holder mounted in said socket, a peen tool mounted in said holder, a holding member having a wall portion provided with a central opening for the reception of said boss, trip buttons on said wall and having top surfaces tapered in a direction substantially at right angles with radial lines through said boss, a cap mounted in said holding member, trip buttons on said cap and having surfaces tapered in a direction opposite to the tapered surfaces of the first mentioned trip buttons and adapted for engagement with said tapered surfaces of said first mentioned trip buttons, a sleeve on said cap, a stud screw projected through said sleeve and threaded into said boss and having an enlarged head on one end thereof spaced a limited distance from said sleeve and cooperating with said sleeve to limit the relative movement of said base member and said cap with respect to each other by the engagement of the trip buttons on said wall with the trip buttons on said cap, and means for connecting said base and said cap together for limited movement relative to each other by action of the engagement of the tapered surfaces of said trip buttons.

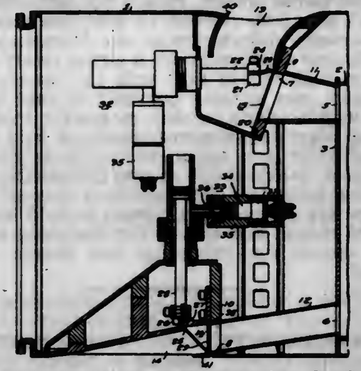
2,568,339
FILM ADVANCING MEANS FOR FILM MAGAZINES
Carl H. Jacobson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 29, 1946, Serial No. 713,159
4 Claims. (Cl. 88—17)



3. Film feed mechanism for magazines used in cameras said magazines comprising a casing, a film supply roll and a film take-up roll therein, means for driving said take-up roll, a gate in said casing past which the film from said supply roll is wound on said take-up roll, a feed roller for said film between said supply roll and said gate frictionally engaging the film emerging from said supply roll, said roller being oriented for movement towards said supply roll and away from said take-up roll as the film is wound thereon, means for resiliently supporting said roller in frictional engagement with the film on said take-up roll whereby said roller is actuated by the rotation of said take-up roll and by the movement of the film.

2,568,340
REMOVABLE CLOSURE FOR DEFERRED ACTION BATTERIES
Lawrence David Jennings and Joseph Naymik, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application March 8, 1946, Serial No. 653,191
5 Claims. (Cl. 114—20)

1. In a torpedo adapted for operation from electric power supplied by a primary battery in which water is utilized as the electrolyte, the combination of, a casket arranged internally of said torpedo for housing said primary battery, means forming entrance and exit passages communicating with said casket through the hull of said torpedo, closure means in said passages including plates arranged transversely thereof and having openings therethrough substantially the size of passages, covers of sheet metal soldered to said plates to seal the opening in each thereof, each cover having one extremity secured to the associated plate to prevent pulling loose thereof, a pair of pistons, the end opposite the end of each of said covers which is secured to prevent pulling loose thereof being connected to one of said pistons, a cylinder for each of said pistons, means for applying fluid under pressure to each of said cylinders to move said pistons and strip said covers from said opening, said

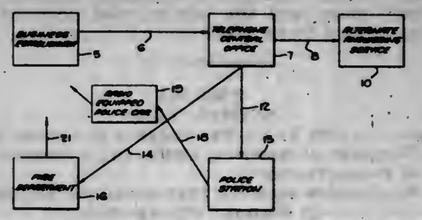


covers stripping from said opening beginning with the end thereof connected to said piston and folding back about the extremity of each thereof firmly secured to the associated end of said plates.

2,568,341
PRODUCTION OF POTASSIUM TITANIUM FLUORIDE
Henry C. Kawecki, Fleetwood, and Edwin J. Bielecki, Muhlenburg Township, Berks County, Pa., assignors to The Beryllium Corporation, Reading, Pa., a corporation of Delaware
No Drawing. Application February 3, 1951, Serial No. 209,318
8 Claims. (Cl. 23—88)

1. The method of producing a fluotitanate of the group consisting of sodium, potassium and ammonium fluotitanates which comprises digesting an iron-bearing titaniferous material with sufficient hydrofluoric acid in an aqueous medium to form a titanium fluoride and iron fluoride-bearing solution, effecting reduction of ferric ions present in said solution to ferrous ions, separating the resulting solution from the insolubles, adding to the separated solution at a temperature of at least about 70° C. and in the presence of free hydrofluoric acid an alkali salt of the group consisting of sodium, potassium and ammonium salts whose anions form a ferrous salt more soluble than ferrous sulfate, and cooling the resulting solution to effect crystallization of the fluotitanate therefrom.

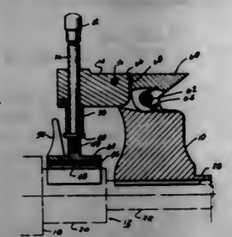
2,568,342
SIGNALING METHOD AND SYSTEM
Robert L. Koehler, Venice, and James Miller, Los Angeles, Calif., assignors to Ralph D. Collins, Beverly Hills, Calif.
Application September 15, 1949, Serial No. 115,790
19 Claims. (Cl. 179—2)



1. A signal transmission system, comprising a source of continuous signal of relatively high

frequency, means for discontinuing said signal, a balanced transmission line, means for impressing said signal as a simplex current on said line, a second signal source, means for impressing said signal as a loop current on said line and having a frequency different from the frequency of said continuous signal current, a signal receiving unit, means included in said unit for discriminating between said simplex currents in said line and said loop currents therein, means for initiating a signal upon the discontinuance of said simplex signal current, a telephone exchange finder operable on the reception of said last mentioned signal for indicating the reception thereof, circuit means set up by the reception of said last mentioned signal, and means for operating said circuit means for indicating the source of said signal.

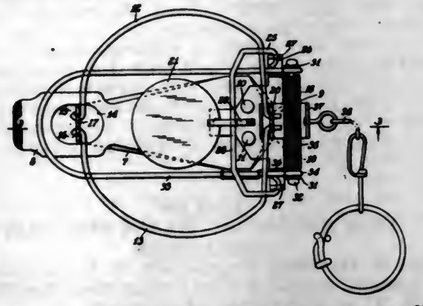
2,568,343
BRAKE FOR PRINTING PRESS DUCTOR ROLLS
Karl Kummerlen, Philadelphia, Pa., assignor to Roland E. Sleight, Philadelphia, Pa.
Application June 19, 1948, Serial No. 33,993
1 Claim. (Cl. 101—348)



A brake for a flat bed printing press of the type which includes a shaft, a ductor roll carried by said shaft and adapted, alternately, to contact the fountain roll and the reciprocating bed of such printing press, said brake including a vertically disposed pedestal, an arm pivoted at one end thereof to the top of said pedestal and movable to a first position in which it is disposed horizontally and extends laterally with respect to the top of the pedestal and to a second position in which the horizontal axis of said arm form an acute angle with the vertical axis of said pedestal, a vertical stem passing through the end of said arm remote from said pedestal, a shoe hinged to the lower end of said stem and adapted to engage said shaft, a spring between said shoe and said end of said stem tending to bias said shoe towards said shaft and to bias said arm to its second position, a finger piece pivoted to the top of said pedestal and movable to a first position in which it is close to and prevents movement of said arm toward its second position, said finger piece being movable to a second position in which it is out of the path of movement of said arm, and a spring between said finger piece and the top of said pedestal for biasing said finger piece to its first position.

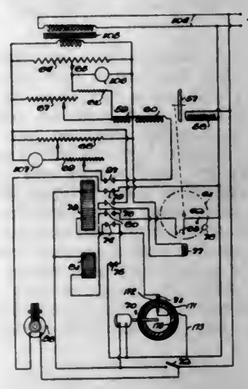
2,568,344
ANIMAL TRAP
John U. Lehn, Lititz, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application April 26, 1946, Serial No. 665,061
11 Claims. (Cl. 43—90)

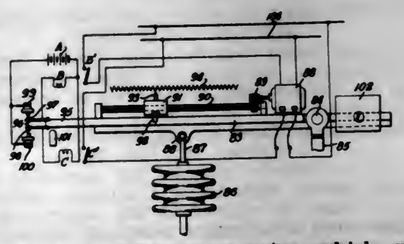
1. In a trap, the combination of gripping means, trip means including a trip pedal, latch means disposed in the path of movement of said gripping means and movable thereby through a given path upon the tripping of said trip, and



means on the trip pedal disposed to be readily accessible across the path of movement of said latch means.

2,568,345
ELECTRIC SWITCHING APPARATUS
Herman Lindars, Sheffield, England
Application April 3, 1946, Serial No. 659,398
In Great Britain September 19, 1945
23 Claims. (Cl. 175—375)

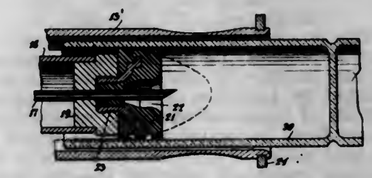




1. Electric switching apparatus which will cause a current to flow in an electrical circuit for a period depending upon the value of a fluid pressure comprising in combination a pivoted arm or lever, means whereby the fluid pressure will exert a turning moment on said arm or lever about its pivot, means to exert an opposite turning moment on said arm or lever, electrical means to control said opposite turning moment to bring said arm or lever to a position of balance operated by the movement of the arm or lever, an eddy current motor of the watt-hour meter type having two current magnets which act on the movable element to urge it in opposite directions,

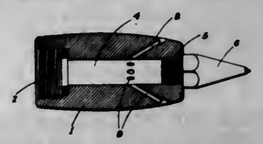
means to control the current flowing to the one magnet operated by the means to exert an opposite turning moment on the arm or lever, means to cause energization of the other magnet at predetermined intervals comprising time mechanism, means to cause de-energization of said other magnet when the movable element of the motor returns to a zero position, and means to cause a current to flow in the electrical circuit during the period that the movable element of the motor is returning to the zero position, said other magnet causing the movable element to move at a faster rate than does the one magnet.

2,568,346
SYRINGE STRUCTURE
Marshall L. Lockhart, Rutherford, N. J.
Application November 24, 1947, Serial No. 787,683
9 Claims. (Cl. 128—220)



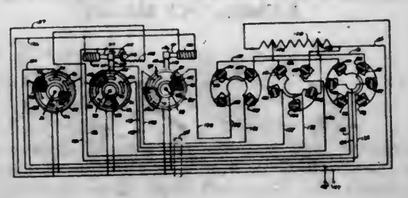
6. A hypodermic syringe assembly including in combination a barrel having an open end, a thrust portion extending into said barrel from the opposite end thereof, a needle mounted by said barrel and extending inwardly beyond said thrust portion, an ampule having an open end, a resilient stopper closing said ampule end, an insert of non-resilient material mounted against detachment from said stopper and formed with a threaded surface, the stoppered end of said ampule being insertable through the open end of said barrel, the end of said thrust portion being also threaded to engage the insert threads and secure said insert and stopper against movement with respect to said barrel and with the adjacent needle end projecting through said stopper.

2,568,347
DRAIN LINE CLEANER
Charles Lundelius, Rocklin, Calif.
Application September 21, 1946, Serial No. 698,469
2 Claims. (Cl. 15—104.3)



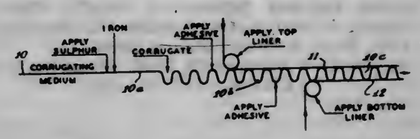
1. A drain line cleaning device comprising the combination of a flexible water hose, a plug connected to the outer end of the hose and provided with a longitudinal bore in register with the bore of the hose, such plug comprising a relatively short heavy body, the outer side surface of the body being smooth and uninterrupted over its entire area, a solid material piercing element fixed to and projecting outwardly from the outer end of the body, such element throughout its length being of materially lesser cross sectional diameter than the plug, the forward part of the body to the rear of the front end thereof being provided with a series of forwardly directed circumferentially disposed discharge orifices which are in register with the interior bore of such body.

2,568,348
TELEMETRIC SYSTEM
Claudius R. McCauley, New Orleans, La.
Application July 8, 1947, Serial No. 759,593
8 Claims. (Cl. 177—351)



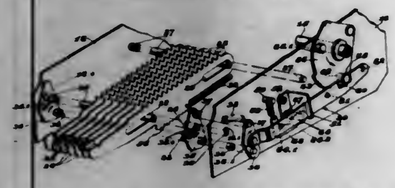
3. A telemetric system comprising a condition responsive transmitter, a receiver providing an even number of indicating lamps substantially uniformly spaced to define a closed pattern circuit means including a voltage divider having intermediate and end terminals, said circuit means connecting a terminal of each of half of said lamps to one of said intermediate terminals, connecting a terminal of each of the others of said lamps to the other intermediate terminal, and connecting the remaining terminals of oppositely disposed lamps together; and switch means actuated by said transmitter for selectively connecting the interconnected terminals of said lamps to a predetermined end terminal of the voltage divider.

2,568,349
CORRUGATED BOARD AND METHOD OF MAKING SAME
Robert C. McKee, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin
Application June 22, 1950, Serial No. 169,668
6 Claims. (Cl. 154—33.05)



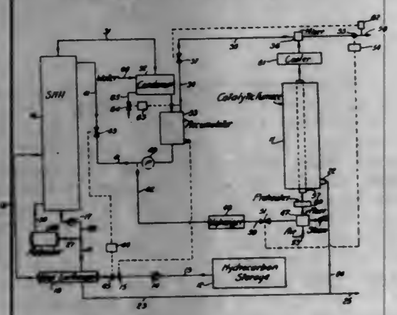
3. The improved process of making a bendable sheet usable as a material of which to construct self-supporting containers for the shipment of merchandise and having an intermediate corrugated sheet secured between two spaced face sheets, which process comprises contacting a paper fiber web with a supply of fluid elemental sulphur and thereby causing said sheet to pick up a limited amount of sulphur, ironing the sulphur into the sheet while the sulphur is in a heated, fluid condition so that the exterior surface of the sheet to which the sulphur has been applied is rendered substantially free from sulphur, then corrugating the sheet at an elevated temperature so that at least a part of the sulphur in the body of the sheet is in a liquid condition and serves as a lubricant for the fibers of the sheet during the formation of the corrugations therein, then subsequently applying a water-dispersible adhesive to the outer surfaces of the crests of the corrugations on each side of the corrugated sheet and applying face sheets having surfaces which are substantially sulphur free to the opposite sides of said corrugated sheet.

2,568,350
CONTROL MEANS FOR DIFFERENTIAL ACTUATORS
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application March 14, 1946, Serial No. 654,424
1 Claim. (Cl. 235—60)



In a calculating machine of the class described having a plurality of differentially movable actuators, the combination of means for raising and lowering said actuators including a main shaft; a cam fixed for movement with said main shaft, a pair of outwardly projecting studs on said cam; a pair of supporting members for said actuators one of which is movable; a pair of cam plates adapted to elevate and lower said movable support member; and means for operating said cam plates from said main shaft cam including a cam arm mounted for movement with said cam plates; a link having one end pivotally connected to said cam arm and its other end provided with a notch to successively cooperate with the studs on said main shaft cam whereby initial counterclockwise movement of said main shaft will drive said link to elevate said actuators and the initial clockwise movement of said main shaft will lower said actuators substantially as set forth and for the purposes specified.

2,568,351
PROCESS FOR MAKING FUEL GAS FROM NATURAL GASOLINE AND STRAIGHT RUN GASOLINE
Charles Gordon Milbourne, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application January 22, 1948, Serial No. 3,716
3 Claims. (Cl. 48—197)

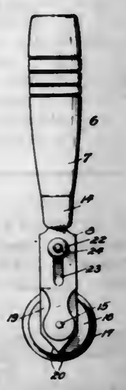


1. A process of making fuel gas, which comprises the steps of (A) passing through a distillation zone a petroleum feedstock selected from the group consisting of straight run gasoline and natural gasoline whose vapor pressure does not exceed 26 pounds Reid's vapor pressure so as to divide the feedstock into three portions by fractional distillation, said portions being portion (1) comprised essentially of hydrocarbons lighter than C_6, portion (2) comprised essentially of C_6 to C_9 hydrocarbons, and portion (3) comprised essentially of hydrocarbons heavier than C_9; (B) passing portion (2) directly from the distillation zone to and through a catalytic cracking zone and reacting it therein with an oxidizing agent of the class consisting of air, steam and mixtures thereof so as to produce a product gas rich in hydrogen and carbon monoxide; and (C) passing portion (1) directly from the distillation zone into said product gas at a point adjacent the outlet of the catalytic cracking zone so as to enrich the product gas of step (B).

2,568,352
PREPARATION OF CATALYST GEL BEADS BY EMULSIFYING
Winfred O. Milligan, Houston, Tex., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1944, Serial No. 533,643
14 Claims. (Cl. 252—448)

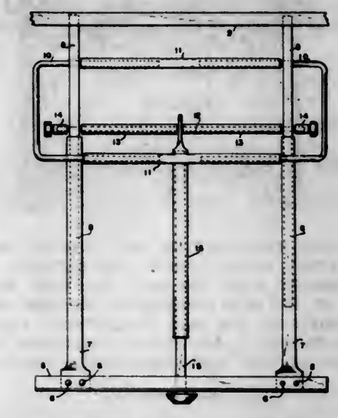
1. The process of catalyst manufacture which comprises emulsifying an inorganic aqueous sol in a water immiscible liquid, maintaining said sol emulsified by agitation until said sol sets as a multitude of pieces of hydrogel, separating said hydrogel from the water immiscible liquid, purifying said pieces of hydrogel by removal of water-soluble materials included therein and drying said hydrogel pieces.

2,568,353
COMBINATION PAPER-CUTTING TOOL
Frank Miseta, Jr., Columbus, Ohio
Application December 3, 1947, Serial No. 789,354
2 Claims. (Cl. 30—122)



1. A cutting tool comprising a handle; a longitudinally extending slotted bar projecting rigidly and fixedly from one end of said handle; a flat blade having inner and outer ends, the outer end of said blade being formed with cutting edges; a stud carried by and projecting laterally from the inner end of said blade; said stud having a shank portion and an outer headed portion; the shank portion being slidably received in the slot of said bar and the headed portion of said stud being disposed exteriorly and at one side of said bar for blade-sliding manipulation; a leaf spring having an inner end secured to said bar and an outer resiliently movable end terminating in contacting registry with said stud; a spring-flexing plunger slidably carried by said stud for engagement with the outer end of said spring; and interengaging blade-holding means formed with said spring and blade; said means being engaged by flexing movement of the leaf spring in one direction to hold said blade against longitudinal movement relative to said bar and released by manual actuation of said plunger thereby flexing said spring in an opposite direction.

2,568,354
TABLE EASEL
George W. Moore, Hollis, N. Y.
Application July 15, 1950, Serial No. 174,049
3 Claims. (Cl. 248—195)



1. A table easel comprising a base member, two supporting members attached to said base member, said supporting members having means for adjusting their length, a top member having means for attaching it to one end of said supporting members, two holes in each supporting member, said holes being located so that one hole in each member is at the same distance from the end of said supporting members which has means for attaching said top member, an adjustable frame which passes through the holes of said supporting member nearest to said top member, said frame member thereby being able to pivot about the axis of said holes of said supporting member, a rod having threaded ends passing through the two remaining holes of said supporting member, said threaded portions of said rod extending outside of the space between said supporting members, a leg having means for adjusting its length and also having a hole near one end through which said rod passes, said leg being located on the portion of said rod between said supporting members, means for clamping said leg when said supporting means are pressed towards each other, two adjusting screws on the threaded ends of said rod; the whole being arranged so that said adjusting screws tend to press said supporting members toward each other thereby clamping said leg by virtue of said clamping means.

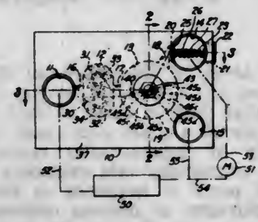
2,568,355
VENTILATION SHUTTER
Hackley Morrison, Houston, Tex., assignor, by mesne assignments, to Hackley Morrison, Jr.
Application May 29, 1947, Serial No. 751,166
11 Claims. (Cl. 98—119)

1. A ventilating shutter comprising a rectangular frame adapted to fit a ceiling opening and composed of upwardly opening channel members having side flanges lying in parallel planes, neck plates in addition to said side flanges secured to said channel members and constructed to extend up inside of the ceiling opening, said neck plates being so disposed relative to said channel members that the latter extend outwardly beyond said plates to constitute a trim overlapping the edges



of the ceiling opening, supporting blocks carried by opposite channel members and extending at least partially down into the open side thereof, and shutter doors pivotally mounted on said supporting blocks and normally closing the opening embraced by said frame.

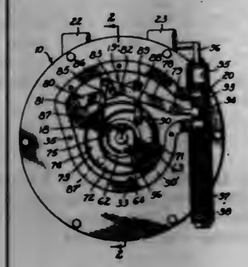
2,568,356
VARIABLE DISPLACEMENT PUMP
Tony M. Moulden, Montrose, Calif.
Application March 5, 1948, Serial No. 13,305
9 Claims. (Cl. 103—42)



1. A variable delivery pump, comprising: a housing having walls defining a fluid inlet manifold, a pump chamber, a valve chamber, a fluid pressure discharge manifold and a by-pass manifold, said housing also having a plurality of first ports in fluid communication between said inlet manifold and said pump chamber, a plurality of second ports in fluid communication between said pump chamber and said valve chamber, a plurality of third ports in fluid communication between said valve chamber and said pressure manifold and a plurality of fourth ports in fluid communication between said valve chamber and said by-pass manifold, said first, second, third and fourth ports being equal in number; a plurality of pumping means, each in alignment with one of said first and second ports, disposed in said pump chamber and adapted for continuous, unitary operation; valve means movable in said valve chamber and provided with a series of axially spaced, transverse openings, each opening being arranged in continuous alignment with one of said second ports and being disposed at progressively greater angles with respect to an endmost opening of said series, each of said openings being adapted to also register with a said third and fourth port, said valve means being adapted to be moved in one direction to successively align certain of its openings with said third ports and successively disalign other of its openings with respect to said fourth ports so as to increase the volumetric flow of fluid from said second ports into said third ports to increase the delivery of fluid to said pressure discharge manifold, said valve means being also adapted to be moved in the opposite direction to successively disalign certain of its openings with respect to said third ports and successively align its other openings with said fourth ports so as

to increase the delivery of fluid to said pressure discharge manifold and increase the delivery of fluid to said by-pass manifold; and control means for moving said valve means.

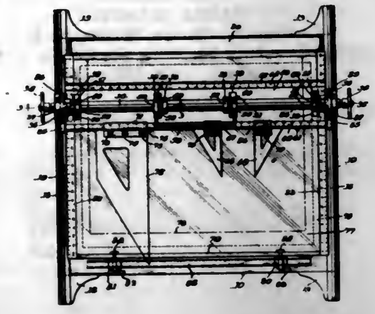
2,568,357
VARIABLE-DISPLACEMENT RADIAL-PISTON PUMP
Tony M. Moulden, Montrose, Calif.
Application November 26, 1948, Serial No. 62,026
3 Claims. (Cl. 103—161)



2. In a device of the character described, the combination of: a housing having an inlet port and an outlet port; a rotor in said housing and rotatable about a main axis, said rotor having a plurality of substantially radial cylinders; means for connecting said cylinders to said inlet and outlet ports in sequence as said rotor rotates; a plurality of pistons respectively reciprocable in said cylinders; shaft means providing an auxiliary axis substantially parallel to said main axis and shiftable laterally relative to said rotor in a plane between an inoperative position wherein said auxiliary axis substantially coincides with said main axis and an operative position wherein said auxiliary axis is spaced from said main axis; means for pivotally connecting said pistons to said shaft means; an inner annular eccentric rotatable on said shaft means; an outer annular eccentric rotatable on said inner eccentric; and actuating means for rotating said eccentrics in synchronism to shift said shaft means in said plane between said operative and inoperative positions, including a first lever pivotally connected to said housing, including a second lever pivotally connected to said housing, including means for pivotally connecting said first lever to said second lever, including means for pivotally connecting said first lever to one of said annular eccentrics, including means for pivotally connecting said second lever to the other of said annular eccentrics, and including means for rotating said first lever about its pivotal connection to said housing.

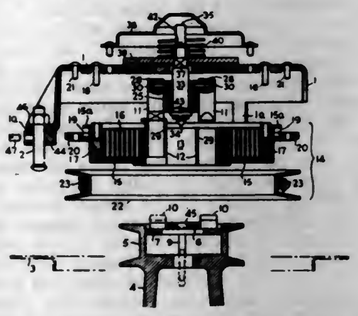
2,568,358
GRAPHIC ARTS UTILITY TABLE
Paul M. Nahmens, Chicago, Ill.
Application January 18, 1949, Serial No. 71,494
9 Claims. (Cl. 33—80)

1. In combination with an illuminated printer's layout table having guide means at the sides thereof geared tracks on the said table extending parallel with the said guide means, a straightedge carriage consisting of a pair of side members having foot portions in engagement with the said guide means, a connecting member for said side members, an axle mounted in said connecting member, geared wheels on said axle in engagement with the said geared tracks, a cam carrying shaft mounted in said side members, a plurality of movable straightedge supporting brackets having leg portions at each of their ends, the legs at one end being on opposite sides of the said connecting member and at their



opposite ends extending on each side of the cam carrying shaft, cams on said cam carrying shaft in engagement with the said brackets, springs mounted on the said connecting member and in engagement with the said straightedge supporting brackets and a straightedge mounted at the lower ends of the said straightedge supporting brackets.

2,568,359
STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES
Johann Palfi, Stroud, England
Application October 24, 1949, Serial No. 123,251
In Great Britain October 25, 1948
10 Claims. (Cl. 123—185)

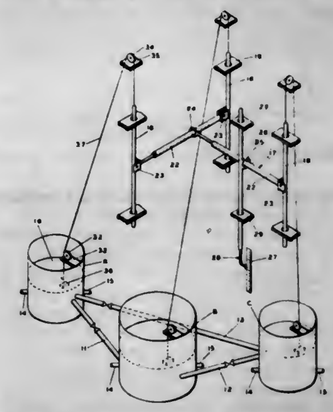


1. A pull starter for an internal combustion engine comprising a housing, a drum mounted in the housing coaxially with the engine shaft and having the starting belt wound thereon, a driving clutch component mounted on the drum for rotation therewith, a coacting driven clutch component on the engine shaft, and co-operating cam and follower feed elements, the one rotatable with the drum and positively connected to the driving clutch component and the other having limited freedom of axial displacement under the influence of the axial component of reaction between the feed elements during a starting operation, and friction means for restraining rotation of the said other feed element relative to a fixed part of the mechanism for effecting axial feed displacement of the driving clutch component on rotation of the drum.

2,568,360
PENICILLIN PRODUCTION
Glenn W. Parsons, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application June 4, 1949, Serial No. 97,311
6 Claims. (Cl. 195—81)

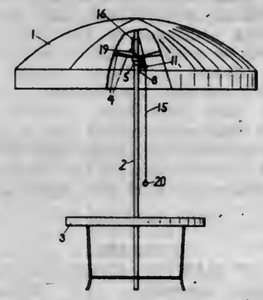
1. In the manufacture of penicillin by the culturing of penicillin-producing molds, the improvement which comprises culturing a penicillin-producing mold in a culture medium containing as a nutrient that principle of corn steep-water remaining after removal therefrom of phytate solids precipitated by mixing therewith under acid conditions a material furnishing aluminum cations in said acidic mixture.

2,568,361
LIQUID VOLUME INDICATOR
John R. Pettigrove, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 27, 1947, Serial No. 782,250
3 Claims. (Cl. 73—311)



1. A device for indicating the total liquid volume contained in a plurality of containers, each container having a substantially constant horizontal area therethrough, said device comprising a float member in each said container; a plurality of slide members, each said slide member, connected to, movable linearly in response to, and movable in direct proportion to the movement of one of said float members, said slide members being movable in common directions; rigid link members having expansion-contraction means therein being serially connected and connecting said slide members together, a first said link member extending between two said slide members and being flexibly connected to said slide members, and each successive said link member flexibly connected at one of its ends to another said slide member intermediate its ends and connected at its other end to the next preceding link member in said series on a first plane intermediate its ends, said first plane being parallel the direction of movement of said slide members, the ratio of the distance from said connection to one end of said next preceding link to the distance from said connection to the other end of said next preceding link being in indirect proportion to the total horizontal area of containers containing floats which are connected to one end of said next preceding link member, to the horizontal area of a container containing a float which is connected to the other end of said next preceding link member; and an indicator member slidably connected to the last said link member in said series on a second plane intermediate the ends of said last link member, said second plane being parallel the direction of movement of said slide members, the ratio of the distance from said connection to one end of said last link to the distance from said connection to the other end of said last link being in indirect proportion to the total horizontal area of containers containing floats which are connected to one end of said last link, to the horizontal area of a container containing a float which is connected to the other end of said last link, whereby movement of said indicator member when liquid level change occurs in any one container is directly proportional to the amount of liquid level change in said chamber in the ratio of the horizontal area of the container in which liquid level change occurs to the sum of the horizontal areas of the other containers.

2,568,362
GARDEN AND BEACH UMBRELLA
Vincent A. R. Primavera, Norton, Conn.
Application November 8, 1948, Serial No. 58,820
6 Claims. (Cl. 135—20)

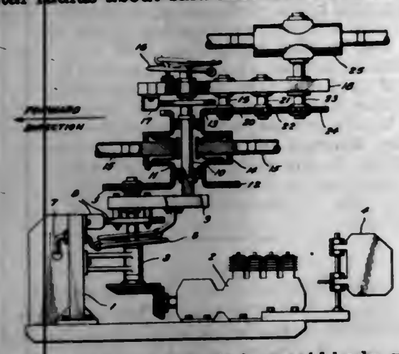


4. A garden and beach umbrella comprising a foldable awning, a vertical stick supporting said awning, means spreading said awning including a collar slidable along said stick, a recess formed in said stick, a resilient stop normally extending out of said recess and engageable with said collar for limiting the downward movement of the latter, a member rockably mounted on said collar and engageable with said stop for depressing the latter into said recess thereby releasing said collar for movement along said stick, pulley means carried by said stick substantially above said stop, and a flexible operating element trained over said pulley means and having one run thereof engaging said collar and the other run thereof slidably extending through said rockable member whereby the exertion of a vertical pull on said operating element will effect movement of said collar along said stick, and the exertion of a horizontal pull on said element will effect rocking of said member for depressing said stop to collar releasing position.

2,568,363
HELICOPTER
William Heyl Raser, Jr., St. Petersburg, Fla.
Application October 6, 1947, Serial No. 778,086
5 Claims. (Cl. 170—135.2)

1. The combination, in a rotary-wing aircraft, of an aircraft body, mounting means secured to said body and arranged to provide a primary vertical axis in fixed relation to said body, a first

lifting rotor arranged for rotation about a first rotor axis, a second lifting rotor arranged for rotation about a second rotor axis, a first means connecting said first rotor to said mounting means and arranged to permit swinging of said first rotor axis at a fixed horizontal radius about said primary axis as center, a second means connecting said rotors and arranged to permit swinging of said second rotor axis at a fixed horizontal radius about said first rotor axis as center, a power source mounted on said body, means for transmitting power from said power source to said rotors, said power transmitting means being carried by said mounting means and said connecting means, resilient means interconnecting said first connecting means and said body, and resilient means interconnecting said first and second connecting means, whereby to maintain a predetermined relation between the torque supplied by the power source and the displacements of said rotor axes.

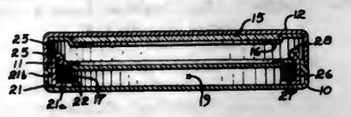


2,568,364
PROCESS OF MAKING INVESTMENT MOLD
William Henry Duesbury and Clifford Atkins, Derby, England, assignors to Rolls-Royce Limited, Derby, England, a British company
No Drawing. Application December 2, 1948, Serial No. 63,198. In Great Britain December 11, 1947
3 Claims. (Cl. 22—193)

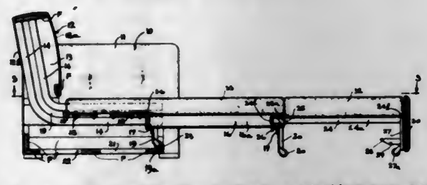
1. A process for the preparation of a mold for precision casting comprising applying to the surface of an expandable pattern a liquid coating including a high refractory ethyl silicate binder and a condensing agent for the ethyl silicate selected from the group consisting of monoethanolamine and piperidine to form a coating impervious to the action of water and hydraulic cement and thereafter investing the coated pattern with an aqueous slurry comprising 75 to 96% by weight of refractory material and from 4 to 25% by weight of a hydraulic cement.

2,568,365
VANITY BOX
Le Roy Root, Stamford, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 18, 1949, Serial No. 122,110
7 Claims. (Cl. 220—32)

7. A vanity box comprising cup-shaped round body and cover members hinged together, said body member having inwardly necked rim adjacent its upper edge for the reception of the cover wall, a plastic ring member telescopically fitted into inner diameter of the necked ring and being substantially rectangular in cross section, a cover lid for closing against the top of said ring member, an L-shaped hinge lug member, a recess provided in the outer and under surfaces of said ring member for the reception of said lug member, said lug member being held in assembled position in said recess against the bottom and side walls of the body member by the assembly of said insert member into said body member, and means hingedly connecting said cover lid to said hinge lug member.



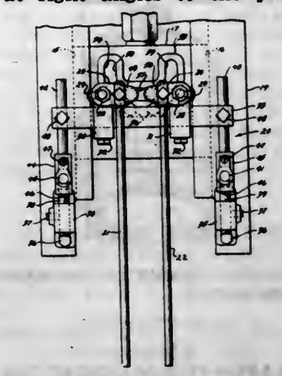
2,568,366
COMBINATION ARTICLE OF FURNITURE AND BED
Joseph Rosen, New York, N. Y., assignor to William L. Greenfogel, Rego Park, N. Y.
Application June 16, 1949, Serial No. 99,470
2 Claims. (Cl. 5—18)



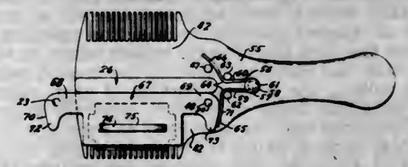
2. In a convertible chair-bed, a stationary section including a compartment having opposed guide members defining channels therebetween, a portion of said channels extending outwardly of said compartment and into substantially horizontal position, an intermediate movable section and an outer movable section extensible and retractable with respect to said intermediate section, the side members of said intermediate section being channel-shaped for slidable reception of the side members of said outer section, a flexible, extensible and retractable bedspring assembly associated with said intermediate section, said assembly being adapted to conform to the contour of said channels, said assembly comprising transverse supporting elements, holding members rigidly spacing apart adjacent transverse elements, links pivotally interconnecting the adjacent ends of each pair of holding members, said links being slotted to receive the ends of said holding members and being fixedly secured to respective transverse elements, and rollers carried at the ends of said transverse elements, said rollers being retained in respective channels of said stationary section, each of said transverse elements having an offset central portion and spring elements suspended between the end portions of said transverse elements and overlying said offset central portions.

2,568,367
SAFETY GUARD FOR POWER PRESSES
Waldron H. Roy, Oxford, Conn., assignor to William M. Goss, Jr., Waterbury, Conn.
Application September 12, 1949, Serial No. 115,205
1 Claim. (Cl. 74—613)

In a safety guard for a machine having a reciprocating member, a pair of laterally swingable sweep rods, means for mounting said sweep rods in depending positions in front of the path of said reciprocating member, a pair of cam levers operatively connected to said sweep rods for swinging the respective rods, and a cam plate adapted to be attached to said reciprocating member and having a slot operatively engaged with said cam levers, said slot having a portion disposed at right angles to the path of said reciprocating member for swinging said cam levers, and a pair of additional slot portions which are disposed at angles to said first mentioned slot portion for holding said cam levers during continued movement of said reciprocating member.



2,568,368
HAIRCUTTING DEVICE
Bert Sayer, Sacramento, Calif., and Wenzeslaw Frank Sklenar, Berwyn, Ill.
Application January 8, 1949, Serial No. 69,884
1 Claim. (Cl. 30—30)

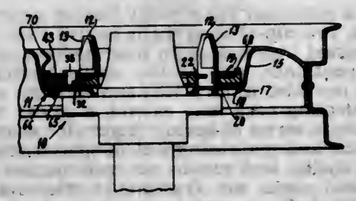


In a hair cutting device, a relatively flat, substantially rectangular plastic member provided with a longitudinally extending handle, said member having a multiplicity of teeth extending laterally from its rectangular portion, forming a comb, and the said rectangular member and teeth being provided with an upper plane, hard, smooth surface provided oppositely to the ends of the teeth with a longitudinally extending stop member having a shoulder projecting upwardly from said hard surface, said device being provided with a pivot pin located at a point between the end of the handle and said rectangular member, and a carrier for a safety razor blade, comprising a molded member having a substantially rectangular body provided with a pivot flange toward the handle end, having an aperture for receiving said pin, said rectangular body being formed on its upper surface with a longitudinally extending, upwardly projecting rib for engagement with the thumb of the user when the hand of the user is grasping the handle, the said rectangular body being pivotally mounted on said pin, and having its edge opposite to the ends of the teeth engaging said stop member, the said body being provided with a lower plane surface for engaging the plane surface of the teeth, and said lower plane surface being formed with a shallow recess, which is complementary in shape to a safety razor blade, and which is of sufficient depth so that the blade will be flush with the said lower plane surface when the blade is located in said recess, the said recess having one open side toward the ends of the teeth, and being so located that the blade projects from said rectangular body above the plane surfaces of the teeth by a predetermined amount suitable for cutting hair on the head of a person, the ends of the teeth which project beyond said blade providing a pretermined clearance between the edge of the razor blade and the skin of the person, the said carrier being pivotally movable with its razor blade on said comb a sufficient range of movement, so that when it is engaging the said stop surface it is in the hair cutting position, but it may be pivoted away from said stop surface, carrying with it all loose hair resting on the teeth, until the blade edge extends beyond the ends of the teeth, which is the tooth cleaning position, so that the thumb of the user may be used after cutting strokes to clean the comb and blade of loose hair.

2,568,369
FOOD PRODUCTS AND METHOD OF MAKING THE SAME
Louis A. Scholz, Baltimore, Md.
No Drawing. Application December 14, 1948, Serial No. 65,281
9 Claims. (Cl. 99—130)

1. As a new food product, a gel adapted to be dissolved in hot drinks consisting of a milk component, a gelatin component and a sugar component; the milk component being selected from the group consisting of cow's milk, goat's milk, cream from cow's milk, and milk powder the gelatin being present to the extent of not more than 40% or less than 1% by weight the sugar being present in the proportions of approximately two teaspoonsful to each three-quarters liquid ounce to one liquid ounce of milk component; the three components forming a substantially homogeneous product which is a gel below 85° F.

2,568,370
QUICK-CHANGE SELF-LOCKING WHEEL MOUNTING
John Scuderi, Brooklyn, N. Y., assignor of one-half to Charles P. Orlando, Ozone Park, N. Y.
Application September 2, 1950, Serial No. 183,010
6 Claims. (Cl. 301—9)



1. A detachable wheel locking assembly comprising a hub having studs with tapering free end portions, said studs having radially directed slotted openings facing the axis of said wheel, said wheel having an annular recessed disk attached thereto and centrally thereof and having openings to receive said studs, said recessed disk having laterally extending annular guide walls at its inner and outer diameters providing an annular guideway between them, a disk-shaped cam plate rotatably mounted in said guideway and having modified key-hole shaped openings through the large portion of which said studs freely pass, the small portion of each of said

openings having tapering inner walls designed to engage the slotted portion of said studs respectively in wedged engagement and being thereby adapted to withstand vibration, said cam plate having an opening and gear teeth positioned concentrically with the outer periphery of said disk, said recessed disk having a circular opening in alignment with said gear teeth opening in said cam plate, said recessed disk opening having two radially extending openings, two spring arms respectively having one end fixed to said recessed plate and extending into said radial openings and being movable laterally of said recessed disk at their adjacent free ends, a segmental gear having a hub with diametrically positioned slots, said gear hub being engageable in the circular opening of said recessed disk, the teeth of said segmental gear being in meshed engagement with the gear teeth in said cam plate, a retaining plate having a circular opening through which the outer hub portion of said gear freely passes, the teeth of said segmental gear being held between said recessed disk and said retaining disk, and a key having a circular portion engageable in said gear opening and having means engageable with said gear hub, said key being movable through said gear opening to move said spring arms out of engagement with said gear to permit rotation of said gear and said cam disk to a position when said modified key-hole cams are out of engagement with said studs, whereby said wheel is detachable from said hub.

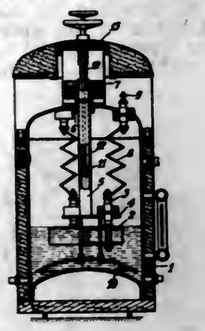
2,568,371
BOTTLE CONTAINER
Donald A. Seaver, West Cheshire, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application April 23, 1949, Serial No. 89,210
12 Claims. (Cl. 215—12)



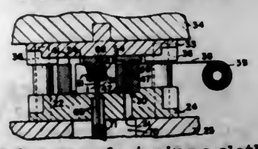
1. In a container for a bottle having a projecting neck, two cup-shaped shells having their open ends abutted together at an intermediate section of the container, one of the shells having an opening provided in its closed end through which said projecting neck may extend, a spider member having a series of spring fingers for engaging said bottle and maintaining it in spaced relation to said shells, and means on said fingers over which said shells are frictionally telescoped to hold said shells in end-to-end assembled relationship.

2,568,372
ELECTRIC STEAM BOILER
Carl August Steen, Getinge, Sweden
Application August 11, 1949, Serial No. 109,634
In Sweden January 13, 1947
4 Claims. (Cl. 219—40)

2. In an electric steam boiler, an electrode carrier arranged slidable in a stuffing box at the top of the boiler wall and adapted to be supported by the steam pressure, and a projecting screen mounted on the electrode carrier at a level below the normal level of the electrolyte in the boiler and acting on the electrode carrier as a brake with a force which increases with the velocity of the adjustment of the electrode carrier.

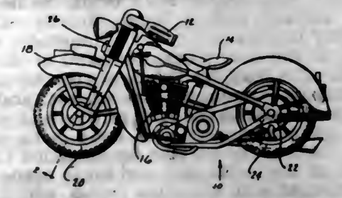


2,568,373
APPARATUS FOR MANUFACTURING CLOTHESPINS
Bert B. Sweet, Akron, Ohio
Application August 30, 1949, Serial No. 113,122
1 Claim. (Cl. 29—34)



Apparatus for manufacturing a clothes pin from a flat metal strip, which includes a pair of spaced, parallel rollers, and adjacent thereto a second pair of spaced parallel rollers, the opening between the first pair of said rollers being in register with the opening between the second pair of said rollers, the central portion of each roller of the first pair being of smaller diameter than the end portions and the shoulders at each end of the central portion being radiused to round the corners of the pin, and each of the rollers of the second pair having radially projecting teeth on the periphery, and a punch for reciprocating into and out of the space between the pairs of rollers, the walls of the punch outwardly adjacent the portion between the first pair of rollers at the end of the inward movement of the punch being flared slightly outwardly, the central portion of the punch opposite the teeth being undercut.

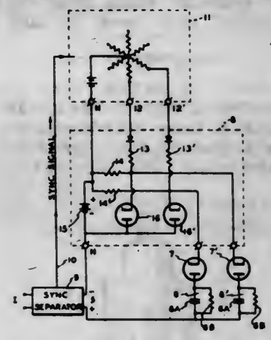
2,568,374
TOY AXLE AND WHEEL ASSEMBLY
Islyn Thomas, Newark, N. J., assignor to Thomas Manufacturing Corp., Newark, N. J., a corporation of New Jersey
Application December 31, 1948, Serial No. 68,659
3 Claims. (Cl. 46—221)



1. In a toy vehicle, a frame having spaced downwardly extending sides and formed from a rigid material of sufficient flexibility to permit

the said sides to be distended, each said side having a groove open at the entrance thereto at the bottom end of the side and closed at the upper end of the groove, the inner wall of said groove inclining inwardly and upwardly, each groove widest at its entrance and uniformly narrowing to the closed end thereof, each side having an opening therethrough communicating with the groove therein at the narrowest part of the groove, each opening being opposite the other opening and a wheel assembly comprising a wheel and an axle on each side thereof, the width between each side end of the axle being equal to the width between the inner walls of the grooves at the entrance to the grooves.

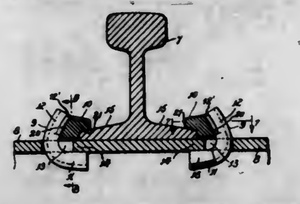
2,568,375
SIGNAL DISTRIBUTION SYSTEM
Pierre Marie Gabriel Toulon, Neuilly-sur-Seine, France, assignor to Products & Licensing Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1949, Serial No. 85,906
In France April 8, 1948
13 Claims. (Cl. 177—353)



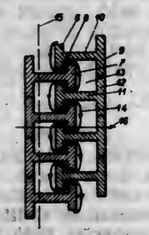
9. In a system for distributing signals occurring on a single line to a plurality of condensers and for thereafter discharging each of said condensers at predetermined intervals after charge thereof by one of said signals, comprising a different biased switching rectifier for normally blocking each of said condensers against said signals, means for applying said signals jointly to said rectifiers for passage to said condensers, a common voltage source for applying identical bias to all said biased switching rectifiers, means for generating switching pulses of identical amplitude to unbias said rectifiers in timed succession and in synchronism with said signals, and further switching rectifiers shunting said condensers and poled for discharging said condensers but having a bias for preventing such discharge, and means for overcoming said last named bias at each of said further switching rectifiers to discharge each of said condensers at said predetermined interval after charge thereof.

2,568,376
FASTENING FOR SECURING RAILWAY RAILS TO METAL SLEEPERS
William B. Wragge, Stockport, England, assignor to executors of James Mills, Limited, Woodley, near Stockport, England
Application February 21, 1948, Serial No. 10,015
In Great Britain November 13, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires November 13, 1966
8 Claims. (Cl. 238—364)

8. A clip for use in securing flanged rails to metal sleepers, the clip having a body substantially C-shaped in profile and of channeled cross section, the channel thus formed being open towards the concave side of the C, the body comprising a head portion and a tail portion which lies below the head portion when the clip is considered in installed position, the head portion and the tail portion each having pairs of bearing surfaces on the concave side of the C profile, the surfaces of each pair lying on opposite sides of, and being spaced by, said channel which provides a non-bearing central relief area between the bearing surfaces of each pair, the body further providing a bearing surface intermediate the head and the tail portions for engagement with an edge of an aperture in the sleeper, the latter bearing surface being on the convex side of the C profile, the convex side being of continuous curvature at, above, and below said latter bearing surface, considering the clip in installed position, the head portion being provided with wings extending laterally beyond the width of the tail portion, the surface of said wings facing the concave side of the C being continuous with the bearing surfaces of the head portion.



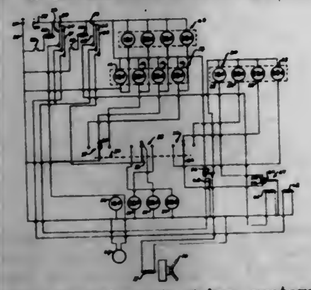
2,568,377
MAGNETIC SWITCH
Vladislav Zajic, Prague, Czechoslovakia, assignor of one-half to Czechoslovak Metal & Engineering Works, National Corporation, Prague, Czechoslovakia
Application June 26, 1948, Serial No. 35,310
In Czechoslovakia July 14, 1947
9 Claims. (Cl. 200—147)



1. In an air circuit breaker an arc quenching arrangement comprising, in combination a pair of spaced parallel rows of identical elements; said rows extending parallel to the arcing path and the elements extending perpendicular to the arc path and each of said elements comprising a relatively wide rectangular cross-section base, a relatively narrow rectangular cross-section head, and a rectangular cross-section web interconnecting the base and the head; the elements in each row being arranged with their bases substantially coplanar to form substantially continuous walls and the heads of the elements of each row extending toward the other row; the head of each element being disposed between a pair of elements in the other row to form alternated relatively narrow slots and relatively spacious gas expansion channels defining a meandering arc path; the arc path in at least a portion of each slot turning sharply at an angle of at least 90° to the overall

direction of the arc path through the arrangement; the slots being defined by surfaces of the heads and the channels being defined by webs of adjacent elements.

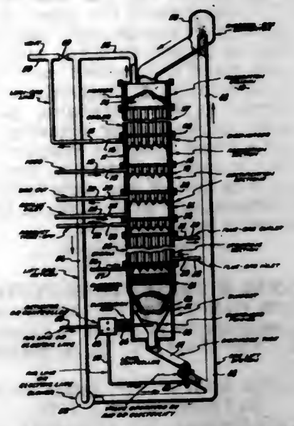
2,568,378
TURNSTILE CHECKING DEVICE
Sylvan Zemel, Newark, N. J.
Application February 16, 1950, Serial No. 144,484
2 Claims. (Cl. 177—337)



1. In an admission checking system, an admission board having a children's price lamp and a group of lamps for different adult prices, a selector switch having one contact for each of said adult price lamps and a contact arm selectively engageable with each of said contacts, electric lines connecting in parallel said contacts and said adult price lamps, a latch relay having two contacts and a movable contact arm for engaging either of said two contacts, said latch relay also having two coils one coil for engaging said contact arm with one of said two contacts and the other coil for engaging said contact arm with the other one of said two contacts, an electric line connecting one of said two contacts with said children's price lamp, an electric line connecting the other of said two contacts with said contact arm of said selector switch, an electric current return line connecting with all of said lamps, a current supply line connecting with said contact arm of said latch relay, and an electric current supplying circuit for each of said two coils and including in series a push button switch for controlling each of said coils.

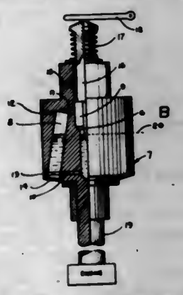
2,568,379
LEVEL CONTROL
Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 26, 1945, Serial No. 630,906
12 Claims. (Cl. 183—4.2)

1. An apparatus comprising a vessel, means for introducing granular solids into said vessel at a point substantially above the bottom thereof, an opening at the bottom of said vessel for discharging said granular solids from said vessel, and means for controlling the level of said granular solids in said vessel, said last named means comprising the combination of a receptacle disposed beneath said opening at the bottom of said vessel and adjacent thereto, a discharge tube disposed beneath said receptacle and adjacent thereto, a valve located in said discharge tube for regulating the flow of said granular solids through said discharge tube, a controller and a suspension arm connecting said receptacle with said controller, said receptacle and said suspension arm being free to move in a vertical direction with respect to said vessel and said discharge tube, said controller being adapted to operate said valve when actuated by said suspension arm and said receptacle being adapted to furnish means of restricted



flow of said granular solids from said opening at the bottom of said vessel to said discharge tube.

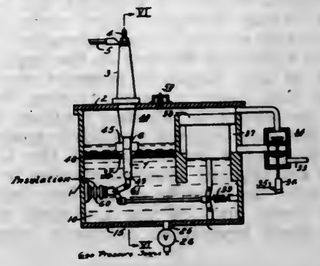
2,568,380
ENGINE SPEED GOVERNOR
Donald I. Bohn, Pittsburgh, Pa.
Application August 23, 1945, Serial No. 612,243
13 Claims. (Cl. 123—102)



1. A speed governor comprising a casing of conductive material; a body of conductive liquid in said casing; the upper surface of said conduction liquid being free to rise and fall; a conductive electrode having an end extending continuously into the upper surface of the center of said body liquid; means for rotating said casing to cause the portion of the liquid engaged by said electrode to fall to a degree predetermined by the speed of rotation of the casing; said electrode having substantial electrical resistance; said casing, said liquid and said electrode being placed in series in an electrical circuit; the resistance of said circuit being controlled by the length of electrode immersed in the liquid.

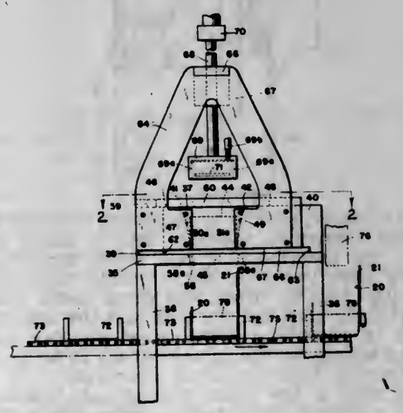
2,568,381
CIRCUIT INTERRUPTER
Thomas E. Browne, Jr., Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1945, Serial No. 584,413
10 Claims. (Cl. 200—150)

1. In a circuit interrupter of the fluid blast type, means defining an insulating orifice having a radially inwardly extending plane portion on the inlet side thereof and a sharply flared exhaust portion on the outlet side thereof, contact means for drawing an arc through the insulating orifice, the inlet side contact having a final separation distance from the orifice constriction of substantially one-fourth the orifice diameter,



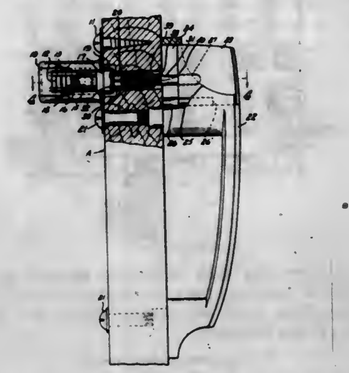
means for forcing fluid through the orifice from the inlet to the outlet sides thereof to effect extinction of the arc, and means for producing at least several atmospheres gas pressure on the discharge side of the orifice.

2,568,382
METHOD AND APPAPATUS FOR MAKING CONTAINERS
Charles William Buckley and Edgar Paul Bailey, Durham, N. C., assignor to Wright Machinery Company, Durham, N. C., a corporation of North Carolina
Application June 14, 1946, Serial No. 676,634
15 Claims. (Cl. 93—51)



1. The method of making a container, comprising the steps of. folding a sheet into a substantially U-shaped configuration to provide a bottom wall and side walls including extensions for forming top closure means for the container; folding the portions of said sheet at the base of the U to provide upright end walls extending substantially perpendicularly to said base and to provide outwardly extending tucks joining said end walls and said side walls; and folding the portions of said side walls that extend above said end walls over upon the upper edges of said end walls and in overlapping relation with each other to form a top closure for the container; folding said tucks inwardly against said end walls; and folding the portions of said top closure disposed outwardly of said end walls downwardly relative to said tucks.

2,568,383
DOOR LATCH UNIT
John D. Carroll, Kensington, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application February 14, 1946, Serial No. 647,453
2 Claims. (Cl. 292—191)



1. In a door latch assembly of the type comprising a latch having a spring projected bolt and means limiting retractive movement of the bolt, said latch being constructed and arranged for mounting on one side of a door, and an operator therefor including a push piece constructed and arranged for mounting on the opposite side of the door, the combination therewith of motion transmitting means extending between the latch and push piece comprising a pair of telescopically cooperating parts one of which is provided with a series of ribs spaced by V-grooves and the other of which is provided with resilient fingers for engaging the grooves, said ribs and fingers having engaging surfaces so inclined that the force necessary to contract the means exceeds the force of the bolt projecting spring.

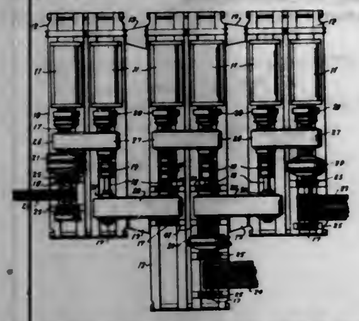
2,568,384
STABLE SOLUTION
Nicholas D. Cheronis, Chicago, Ill.
No Drawing. Application November 13, 1947, Serial No. 785,798
13 Claims. (Cl. 260—33.6)

1. A solution stable on prolonged storage and capable of depositing a flexible resin at a curing temperature below 100° C. after prolonged storage, comprising from 70 to 98% of a partly polymerized trihydroxy-organosilane and the remainder substantially all a partly polymerized dihydroxy-diorganosilane, in an organic solvent for said silanes and inert toward said silanes, said solution having a pH of at least 5 and below 7, the organic substituents of said silanes being selected from the group consisting of monovalent hydrocarbon and anisyl.

2,568,385
COMPOUND DRIVE
Truett M. Cone, Fort Worth, Tex., assignor to Mid-Continent Supply Company, Inc., Fort Worth, Tex., a corporation of Delaware
Application July 5, 1947, Serial No. 759,177
14 Claims. (Cl. 74—216.5)

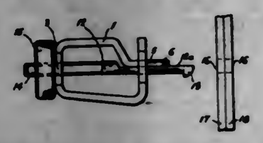
1. A compound drive for a pair of shafts having releasably connected sections, a driving connection between certain of the sections of adjacent shafts, means enclosing the driving con-

nection and said drivingly connected shaft sections, and bearing means carried by the enclosing means for receiving the latter shaft sections and rotatably connecting the same to said enclosing



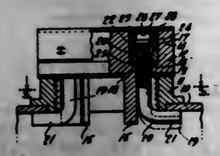
means, whereby said enclosing means and one of said shaft sections may be pivoted about the other shaft section upon disconnection of the first shaft section from its shaft.

2,568,386
CLAMPING DEVICE
Samuel William Craigie, Chelmsford, England, assignor to Aviation Developments Limited, Welwyn Garden City, England, a joint-stock company of England
Application May 11, 1950, Serial No. 161,398
In Great Britain July 9, 1948
2 Claims. (Cl. 85—5)



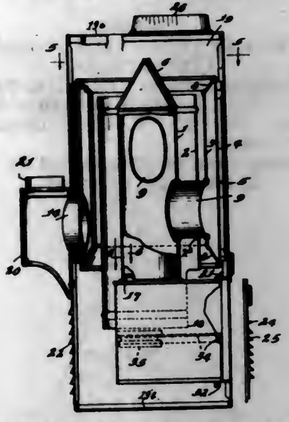
1. A clamping device of the kind referred to comprising a clamping screw one end of which is threaded and carries a nut and the other end of which is formed with a laterally extending claw, and a body member comprising a length of strip metal formed intermediately of its length with an aperture to slidably receive the clamping screw, at one end with a tongue of reduced width and at the other end with a longitudinal slot, and bent so that the tongue lies longitudinally alongside the shank of the screw opposite to said laterally extending claw and the slot embraces transversely the shank and tongue.

2,568,387
CLOSURE DEVICE
Ralph W. De Lancey, Meriden, Conn.
Application May 2, 1945, Serial No. 591,564
2 Claims. (Cl. 220—25)



1. In a closure, a cover plate adapted to overlie an opening, L-shaped members extending through holes in the plate and having lower ends spaced from the plate and shiftable from locking positions in which they extend outwardly to underlie the opening to released positions within the opening in which they do not interfere with removal or replacement of the closure, the plate having on its lower face a lug adjacent each L-shaped member, each lug having two faces forming a vertical dihedral angle within which said L-shaped member is disposed, the L-shaped members having threaded upper ends, and nuts non-removably carried on said threaded ends, the nuts when tightened bearing on the upper face of the plate so that clamping pressure may be applied, the nuts when loosened freeing the members for movement to released position, the said faces of the lugs forming angularly spaced stops against which the lower ends of the L-shaped members are brought when tightening or loosening the nuts, the lengths of the lugs being such that the lower ends of the L-shaped members when in their lowermost positions, engage the lugs.

2,568,388
ANNULAR RADIATING DRUM AIR HEATING FURNACE
Harte H. Diggins, Woodstock, Ill.
Application July 17, 1948, Serial No. 39,231
1 Claim. (Cl. 126—102)



In a heater, a series of concentric shells permanently connected together into a single rigid unit, the innermost of said shells constituting a fire tube, two intermediate shells forming an annular heating drum, the drum being spaced apart from both the fire tube and the outermost shell to provide a plurality of annular open-ended spaces for the passage of air to be heated, an exhaust tube extending outwardly from the lower part of the drum through said outermost shell, a plurality of pass-overs extending radially between and fixed to the fire tube and the drum to connect their interiors together and serve to support the drum, two of the pass-overs being near the top and another being toward the bottom and diametrically opposite the exhaust tube, and a separate combined draft tube and burner housing conected to and closing the lower end of the fire tube.

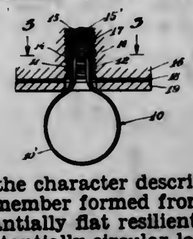
2,568,389
INFLATABLE GLOBE AND SUPPORT THEREFOR
David Elliot, New York, N. Y.
Application July 7, 1948, Serial No. 37,352
9 Claims. (Cl. 35—46)

1. In combination with an inflatable member having a twisted stem, a truncated conical supporting base for said inflatable member, said base being provided with means located above the lower edge of the base and coacting with the twisted stem of the inflated member to support and retain the latter in its inflated condition, and simultaneously hold the base in assembled trun-



cated conical form, said base being formed from a circular disk of flexible material formed with a central opening and a radial slit extending from the central opening to the outer edge of the disk and a pair of stem pinching registering slits formed in said disk.

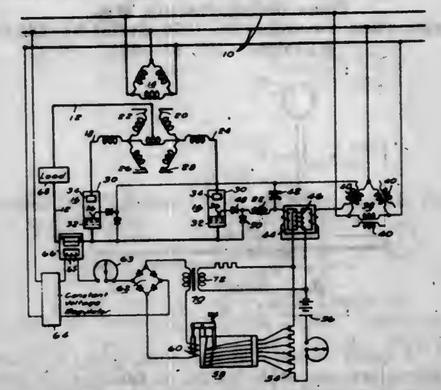
2,568,390
ALIGNING TOOL
Fred C. Gehrke, Amityville, N. Y.
Application April 23, 1947, Serial No. 743,445
1 Claim. (Cl. 29—285)



A device of the character described comprising a continuous member formed from an elongated strip of substantially flat resilient material bent to form a substantially circular loop constituting a hand hold and also a finger receiving loop, said loop having a pair of prongs extending outwardly from it and integral therewith, said prongs being outwardly bowed in transverse cross section and being normally spaced apart due to the resiliency of the loop and being normally spaced and free from each other but being compressible towards each other against the spring force of the loop, said prongs being bent outwardly diagonally from the loop, substantially half their length and at outer ends of the outwardly bent portions having burrs struck from them, the said burrs having free outer ends presented towards said loop, and the end portions beyond the burrs being bent diagonally towards each other and constituting cams for forcing the prongs towards each other when the prongs are thrust into an aperture and thereby causing the prongs to grip walls of the aperture and prevent accidental displacement of the prongs from the aperture.

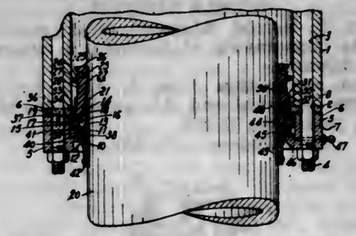
2,568,391
REGULATING SYSTEM
Ralph A. Geiselman, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1946, Serial No. 703,052
5 Claims. (Cl. 321—38)

1. In a current regulating system for a direct-current load circuit supplied by a pair of alternately-conducting vapor-electric valves from a source of alternating current, the combination comprising, a control system including a phase shifting network for controlling the firing of the valves, a variable reactor in the phase shifting network, a direct-current control winding for the reactor, means disposed to be energized for controlling the current flow in the direct-current control winding, means for supplying a unidi-



rection current to said control means from a constant alternating-current voltage, and another reactor disposed with the load conductor constituting the direct-current control winding thereof, said another reactor having an alternating-current winding connected in series circuit between the constant alternating-current voltage source and the unidirectional current supply means to control the energization of said control means in response to variations in the load current.

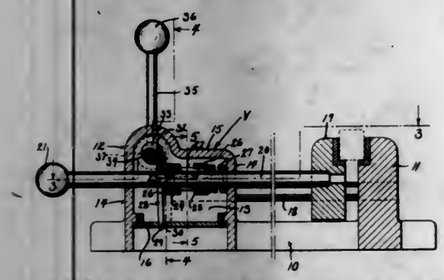
2,568,392
PERISCOPE SEAL
Walter J. Gilbert, Sr., Indiana, Pa., assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application October 9, 1947, Serial No. 778,972
9 Claims. (Cl. 286—26)



1. In a seal the combination of an outer tubular member and an inner coaxially concentric cylindrical member having relative rotary and longitudinal movement therebetween, spaced opposed annular metallic sealing surfaces carried in the bore of the outer tubular member and in sealing relation therewith, a metallic sleeve having a sliding fit on the perimetral surface of the inner cylindrical member, a radial flange on said sleeve extending between said spaced annular surfaces and seated for rotation on one of said surfaces, an annular sealing element of elastomer material carried by said sleeve and flange and extending beyond one end of the sleeve, ring means carried by the elastomer sealing element to retain it in sealed relation with the sleeve and the inner cylindrical element but permitting the latter to

move axially thereof, and a metallic wearing ring wholly supported by the elastomer sealing element and engaging said other annular metallic sealing surface to permit relative rotary movement but prevent leakage of fluid therebetween.

2,568,393
QUICK-ACTING VISE
Hugo Heibig, Racine, Wis.
Application November 20, 1950, Serial No. 196,653
4 Claims. (Cl. 81—26)



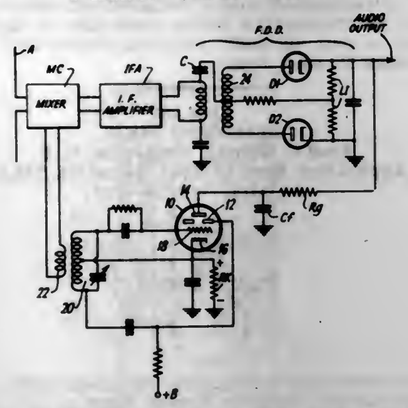
1. A quick adjustable vise comprising a frame, a fixed jaw on said frame, a housing on said frame, a movable jaw between the housing and the fixed jaw, a smooth beam secured to the fixed jaw slidably extending through the housing for adjusting the movable jaw toward and away from the fixed jaw, a split contractible collar having a smooth bore disposed in the housing and receiving the beam for normal free sliding movement, said collar having a tapered outer surface, a thimble slidably mounted on the beam and engaging said tapered surface, a rock plate straddling the beam and engaging the thimble, spring means in the housing normally urging the collar and thimble toward the rock plate, and means for rocking the rock plate toward the thimble and against tension of the spring for contracting said collar about the beam.

2,568,394
HIGH-VOLTAGE DIRECT-CURRENT POWER SUPPLY SYSTEM
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 3, 1947, Serial No. 752,009. Divided and this application May 25, 1948, Serial No. 29,128
2 Claims. (Cl. 321—2)



1. A high voltage direct current power supply comprising a discharge tube having at least a first anode and cathode with a control electrode intermediate between said first anode and cathode, said first anode having an aperture in the structure thereof, and a second anode outside said first anode and positioned to receive electron flow through said first anode aperture, a first and second lower impedance windings and a third higher impedance winding electromagnetically coupled with one another, connections placing said first winding in series with a circuit between said first anode and said cathode, connections applying voltage induced in said second winding to the control electrode cathode circuit of said discharge tube, the polarity of the winding adjusted to sustain oscillation in said discharge tube, a high voltage output terminal, connections placing said third winding between said output terminal and said discharge tube second anode.

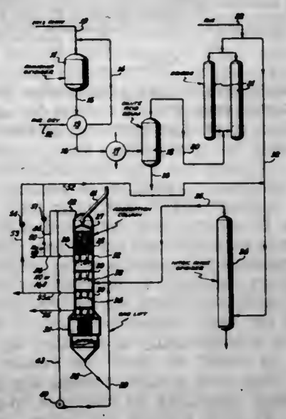
2,568,395
CONTROLLED WAVE ENERGY GENERATOR
Edward W. Herold, Kingston, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 30, 1948, Serial No. 46,915
5 Claims. (Cl. 250—36)



1. In apparatus for generating oscillations and for controlling the frequency of the generated oscillations, an electron discharge device having an electron-emitting electrode and an electron-receiving electrode, means connecting said electrodes in an external oscillation generating circuit, said second-named electrode having an aperture therein, an additional electrode in said device arranged to influence the path followed by electrons from said first-named electrode which pass through said aperture and return to said second-named electrode, and means for applying a control potential to said additional electrode to vary said path to correspondingly vary the device reactance and the frequency of operation of said oscillation generating circuit.

2,568,396
PROCESS FOR PRODUCING AND SEPARATING NITROGEN OXIDES
Ivor J. James, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 19, 1946, Serial No. 684,713
2 Claims. (Cl. 23—161)

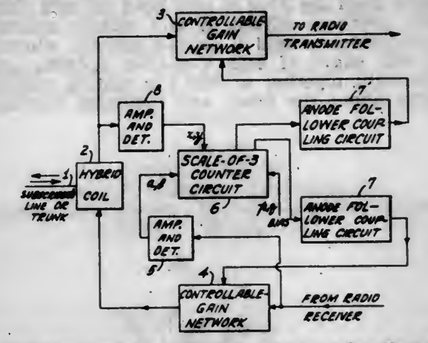
2. A process for the production of nitrogen dioxide, which comprises oxidizing a gaseous mixture containing nitric oxide and nitrous oxide to convert a portion of the nitric oxide to nitrogen dioxide, separating the resulting mixture by selective adsorption on charcoal to obtain three fractions enriched in nitric oxide, nitrous oxide, and nitrogen dioxide respectively, and recycling a portion of the nitric oxide fraction to the oxidation step, said selective adsorption being carried out by countercurrently contacting said resulting gaseous mixture with a moving bed of granular charcoal in the adsorption zone of an adsorption column wherein the charcoal selectively adsorbs the nitrous oxide and nitrogen dioxide leaving nitric oxide as a substantially unadsorbed gas fraction, contacting the granular charcoal containing said adsorbed gases in a primary rectification zone with additional quantities of nitrous oxide thereby effecting the preferential desorption of any nitric oxide which may have been adsorbed on the charcoal, causing the desorbed nitric oxide to flow countercurrently to the charcoal from the primary rectification zone to the



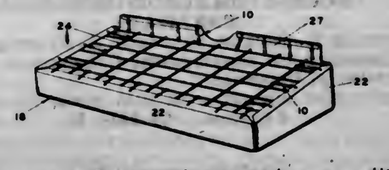
adsorption zone, contacting the charcoal from the primary rectification zone in a secondary rectification zone with additional quantities of nitrogen dioxide, causing nitrous oxide to be preferentially desorbed, returning one portion of the desorbed nitrous oxide to the primary rectification zone to effect therein the selective desorption of nitric oxide, removing the other portion of the desorbed nitrous oxide from the adsorption column, stripping the adsorbed nitrogen dioxide from the charcoal from the secondary rectification zone in a stripping zone by heating the charcoal to a temperature in the range of from about 400° F. to about 600° F. in the absence of steam, returning a portion of the stripped nitrogen dioxide to the secondary rectification zone to effect the selective desorption of nitrous oxide, and removing the remaining portion of said nitrogen dioxide from the adsorption column.

2,568,397
TELEPHONE TERMINAL EQUIPMENT
Harold Jefferson, Stockholm, Sweden, assignor to Radio Corporation of America, a corporation of Delaware
Application February 19, 1948, Serial No. 9,541
In Great Britain February 20, 1947
7 Claims. (Cl. 179—1)

1. In a communication terminal arrangement, a transmitting channel, a receiving channel, a voltage-responsive network of controllable gain in said receiving channel, means for producing a selected one of three predetermined control voltages in response to signal strengths in the transmitting and receiving channels, and means for applying the produced control voltage to said network to control the same to produce a corresponding predetermined gain in signals passing therethrough.



2,568,398
SEAT COVER FASTENING MEANS
James H. Johnson, Alpena, Mich., assignor to Fraser Products Company, Alpena, Mich., a corporation of Michigan
Application February 12, 1949, Serial No. 76,038
2 Claims. (Cl. 155—182)



1. In means for securing a seat cover with a skirt upon an upholstered, automobile seat cushion, said cushion having a metal frame including a plurality of intersecting, substantially horizontal frame elements across the bottom thereof, the combination comprising: a plurality of spaced grommets through and along the free edge of the skirt of said seat cover, said grommets being spaced apart from each other about eight inches; and a plurality of resilient fasteners each comprised of an elastic, rubber ring expansible to about 150% of its normal length when placed under a strain of about 130 pounds per square inch of cross-sectional area, a cover link having materially perpendicularly disposed hooks at opposite ends thereof, one hook being removably engageable with one of said grommets and the other hook being removably and slidably engageable with said elastic ring, and a frame link having mutually perpendicularly disposed hooks at opposite ends thereof, one hook being removably and slidably engageable with said elastic ring and the other hook being removably engageable with one of said frame elements; whereby said seat cover is constantly urged to cling to said seat cushion but is permitted substantial movement with respect to said frame element.

2,568,399
HEADGEAR
Faith Hope Kahn, New York, N. Y.
Application April 6, 1948, Serial No. 19,214
3 Claims. (Cl. 2—174)

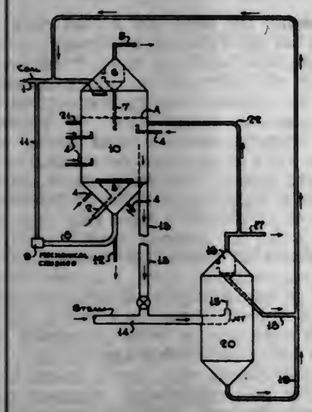
1. Headgear of the character described comprising a tubular member having at least one open end adapted to slip over the head of a

wearer, said tubular member having a substantially V-shaped opening in its wall extending inwardly from the edge of said head opening, fastening members affixed to said tubular member at both sides of said V-shaped opening whereby the side edges of said V-shaped opening may be brought together to hold the tubular member tightly about the head, and fastening members



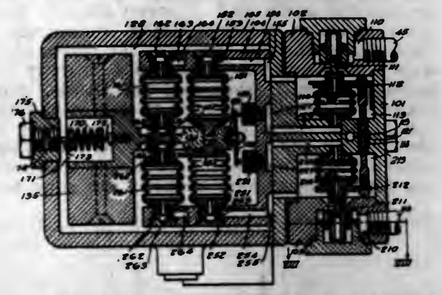
provided adjacent the opposite end of said tubular member at the corners which result when the tube is in flattened condition, said fastening members being adapted to engage each other when the other end of said member is brought down over the back of the head and said opposite corners are brought around their respective sides thereof and joined under the chin of the wearer.

2,568,400
PROCESS FOR SUBDIVIDING SOLID PARTICLES
Kenneth K. Kearby, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 18, 1946, Serial No. 697,810
3 Claims. (Cl. 241—5)



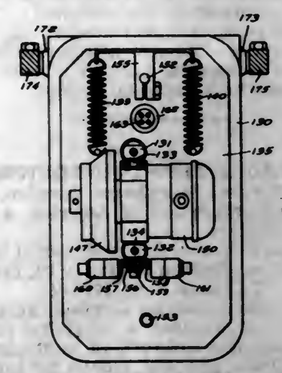
1. Process for dividing solid particles which comprises introducing said particles into a hopper zone, maintaining said particles in said hopper zone in a fluidized state, whereby the larger of said particles segregate at the bottom of said hopper zone, withdrawing said larger particles from the bottom of said hopper zone, mechanically breaking the same and returning the same to an upper point of said hopper zone, withdrawing fluidized particles from an intermediate point in said hopper zone, introducing said particles into a fluid stream, maintaining said fluid stream under pressure, passing said fluid stream and said introduced solid particles through a jet positioned in a pulverizing zone under conditions to substantially reduce the pressure on said fluid stream whereby said solid particles are subdivided.

2,568,401
CONTROL DEVICE
Lawrence B. Lynn, Wilkinsburg, and Clinton R. Hanna, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1945, Serial No. 623,368
11 Claims. (Cl. 267—11)



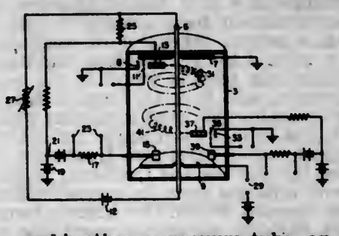
1. An inertia controlled pilot device for stabilizing equipment, comprising means for controlling the operation of said equipment, an inertia structure disposed for controlling said control means and being pivoted for angular deflection from a centered position in response to oscillations to be stabilized, spring means engaging said structure for biasing it toward said centered position, said spring means comprising two helical compression springs arranged on opposite sides respectively of said structure relative to its path of oscillatory motion, a rigid abutment structure forming two abutments for said respective springs and being displaceable substantially in parallel to said path of motion in order to vary the center point of the spring bias, and control means for displacing said abutment structure in response to persistent deflections of said inertia structure and in the direction required for said bias to oppose said persistent deflection, said control means having delayed operation relative to said oscillations so as to remain substantially unaffected by said oscillations.

2,568,402
VEHICLE STABILIZING APPARATUS
Lawrence B. Lynn, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1945, Serial No. 623,369
5 Claims. (Cl. 200—52)



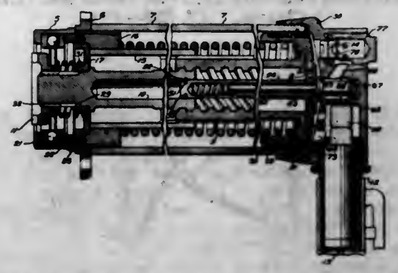
1. A pilot device for vehicle tilt correction, comprising a supporting base designed to be mounted on a vehicle and having pivot means defining a normally vertical pivot axis in the mounted condition of said base, a pendulous mass member journaled to said base by said pivot means and having a center of gravity horizontally spaced from said pivot axis so as to perform an angular deflection about said axis when said base and hence said axis are subjected to tilting movement, a gyroscopic rotor journaled on said member and having a spin axis of a fixed position relative to said member, said spin axis extending normally in a horizontal direction in parallel to the plane of said tilting movement so that said rotor causes a precessional torque to be imposed on said member about said pivot axis due, and in opposition, to said angular deflection, and control means having relatively movable parts on said base and said member respectively to be controlled in dependence upon said deflection.

2,568,403
ELECTRICAL TIME DELAY APPARATUS
Theadore Miller, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 17, 1949, Serial No. 121,876
5 Claims. (Cl. 313—155)



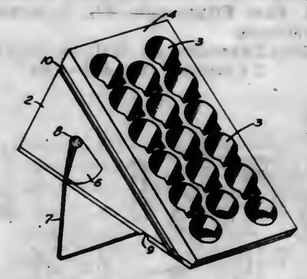
1. In combination, a vacuum tube, an electrical conductor extending through said vacuum tube, a source of electrons near one end of said vacuum tube, an anode near the other end of said vacuum tube, an accelerating electrode located between the anode and that end of the tube nearest the anode, connections for applying a potential across said electrical conductor.

2,568,404
ENGINE STARTING MECHANISM
Romeo M. Nardone, Teaneck, N. J., assignor to Joseph J. Mascuch, Maplewood, N. J.
Application March 17, 1947, Serial No. 735,277
3 Claims. (Cl. 123—179)



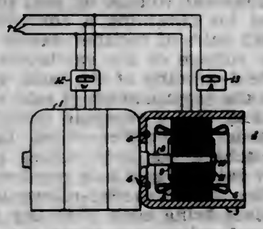
1. In an engine starting mechanism, a cylinder having a rigid forward cylindrical extension integrated therewith a driving, non-rotatable screw-shaft, an engine-engaging member including a splined shank extending rearwardly of the engine-engaging face, a driven screw-shaft having splines engaging said shank to rotate said engine-engaging member, said driven screw-shaft also having a thrust ring secured thereto, means acting through said thrust ring for producing axial, engine-engaging movement of said engine-engaging member, and means rotatably mounted within said forward cylindrical extension of said cylinder for limiting the travel of said thrust ring and thereby limiting the axial movement of said driven screw-shaft.

2,568,405
NAIL HOLDER
Thomas F. O'Malley, Pittsburgh, Pa.
Application October 24, 1946, Serial No. 705,395
1 Claim. (Cl. 211—133)



A holder for nails and the like, comprising: a main body member having an elongated bottom surface, an upper surface, a back surface, and two side surfaces, the upper surface extending at an acute angle to the bottom surface at one end thereof, the back surface extending at an acute angle to the bottom surface at the other end thereof and meeting the upper surface at a right angle, the side surfaces being at right angles to the other surfaces and being parallel and substantially spaced from each other, pockets of circular cross-section extending at right angles to the upper surface through the main body member from said upper surface to within a short distance of the bottom surface, the bottoms of said pockets being plane and being parallel to the bottom surface, and a U-shaped prop member having its ends pivotally attached generally centrally of the side surfaces, said prop member being movable from a position where it supports the body member so that the bottom surface is at a right angle to the horizontal to a position where the said bottom surface is horizontal.

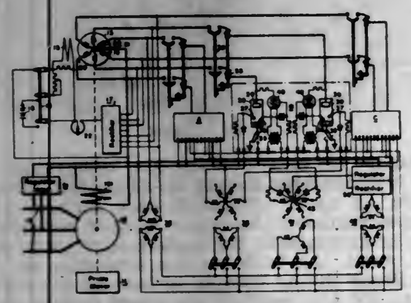
2,568,406
METHOD AND MEANS FOR TESTING ROTORS
Lewis C. Packer, Longmeadow, and George E. Monchamp, Holyoke, Mass., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 24, 1947, Serial No. 730,366
8 Claims. (Cl. 175—183)



1. A method of testing squirrel-cage rotors for electric motors, said method comprising provid-

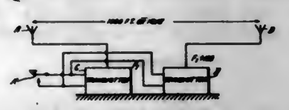
ing a test stator having a polyphase winding, exciting said winding to produce a rotating magnetic field, placing a rotor to be tested in said magnetic field, driving the rotor at a predetermined speed in the opposite direction to the direction of rotation of the magnetic field, and measuring the torque required to drive the rotor.

2,568,407
EXCITATION SYSTEM
Donald R. Pattison and William H. Lambert, Johnstown, and Arthur H. Phillips, Reading, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1949, Serial No. 132,314
2 Claims. (Cl. 322—28)



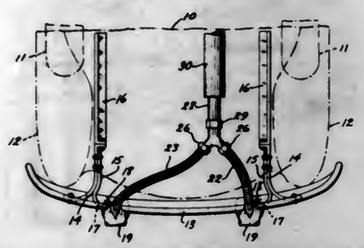
2. A main alternating-current generator having main alternating-current output-terminals, a main field-winding, a commutatorless ultra-reliable variable-voltage direct-current excitation-means for exciting said main field-winding of the generator, and a voltage-regulating means for so controlling the voltage of said excitation-means in response to the generator-output as to maintain desired output-voltage conditions on the generator; characterized by said excitation-means comprising the combination including a polyphase exciter-alternator driven from the same means which drives the main generator, said exciter-alternator having three pairs of oppositely poled phase-terminals and a common midtap for all phases, a pair of delayed-firing vapor-electric rectifier-valves for each pair of phase-terminals, the main field-winding of the main generator being normally energized from all three of said pairs of rectifier-valves and from said common midtap, said exciter-alternator having a field-winding, rectified-current regulated excitation means for so exciting said field-winding of said exciter-alternator from at least some of its own phase-terminals as to maintain a substantially constant voltage on said phase-terminals, means for obtaining a controlled delayed firing of said pairs of rectifier-valves whereby to control the voltage of the excitation-means for the main field-winding of the main generator in response to the requirements of said voltage-regulating means, and a separate switching-means for each pair of rectifier-valves for simultaneously switching out both valves of any pair when either valve of said pair requires switching, the capacities of said exciter-alternator and said rectifier-valves being such that any two of said three pairs of valves can carry the excitation-requirements of the main field-winding of the main generator, and that any single pair of valves can carry said excitation-requirements at least temporarily and under certain operating-conditions.

2,568,408
FREQUENCY SHIFT DIVERSITY TRANSMISSION SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 17, 1947, Serial No. 748,809
1 Claim. (Cl. 250—8)



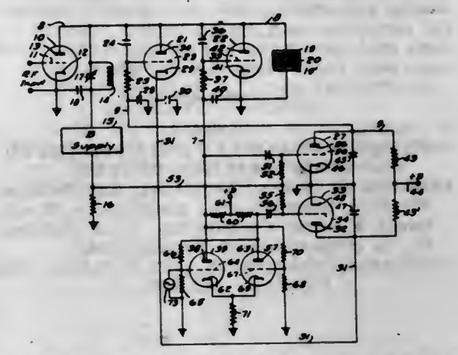
A diversity transmitting system comprising a pair of transmitting antennas spaced apart horizontally a distance substantially equal to many hundreds of feet or more, a generator of oscillatory energy of a first high frequency coupled to and continuously feeding wave to one of said antennas, a second generator of oscillatory energy of a second high frequency simultaneously and continuously feeding waves to the second of said antennas, said first and second frequencies differing by an audible tone frequency which frequency is less than that required for satisfactory frequency diversity reception, frequency shifting apparatus for shifting the frequency of the wave fed to each antenna from its corresponding generator an amount within the audible range, said frequency shifting apparatus operating to shift the frequencies of said waves in unison and in accordance with telegraphic marking and spacing signals, whereby said antennas radiate simultaneously a first pair of waves differing from each other by said tone frequency to represent a mark and alternatively a second pair of waves differing from each other by said tone frequency and also differing in frequency from the respective frequencies of said first pair of waves by said amount within the audible range, to represent a space.

2,568,409
EXHAUST EXTENSION AND GUARD FOR AUTOMOBILES
Herbert R. Phillips, Riverdale, N. Y.
Application February 23, 1949, Serial No. 77,795
2 Claims. (Cl. 293—69)



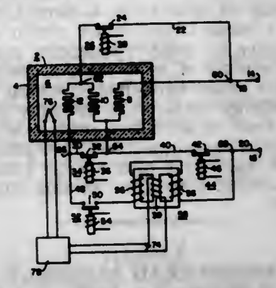
2. In a motor vehicle, the combination with a bumper extending transversely of the vehicle body, upstanding climb guards attached to said bumper, two of said climb guards having flexible exhaust conduits attached thereto, openings in said bumper and said climb guards, said conduits passing through said openings in said bumper and leading to said openings in said climb guards to permit the exhaust gases to escape.

2,568,410
RADIO FREQUENCY APPARATUS
Sheldon I. Rambo, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1948, Serial No. 32,873
11 Claims. (Cl. 250—40)



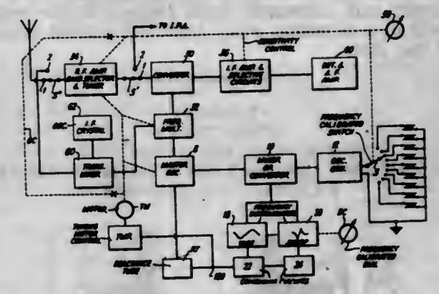
1. Radio frequency apparatus comprising a thermionic tube having a cathode and a plate, and having a tunable output circuit connecting thereto; means for establishing direct current flow between said cathode and plate; a second thermionic tube having electrodes connected to said output circuit; and means including means responsive to variations in said direct current flow for varying the reactance of said second tube in said output circuit until same is tuned to resonance thereby.

2,568,411
ELECTRIC HEATING SYSTEM
James L. Reed, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 9, 1949, Serial No. 80,404
18 Claims. (Cl. 219—20)



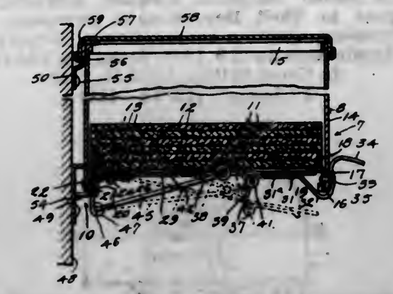
4. An electric heating means of a type described comprising, in combination, a saturable core reactor having a variable impedance winding and a D. C. control winding, a plurality of A. C. supply conductors, a plurality of heating resistors, the number of heating resistors being at least as large as the number of said supply conductors, a direct connection between an end of a first heating resistor and an end of a second heating resistor, a branch circuit connecting a first of said supply conductors to the other end of said first heating resistor, said branch circuit including openable and closeable contacts, a second branch circuit from said first supply conductor to the other end of said second heating resistor, said second branch circuit including, in series, openable and closeable contacts and the variable impedance winding of said saturable core-reactor, and temperature-responsive means operable for operating said contacts so that the first of said contacts is open while the other is closed, and vice versa.

2,568,412
AUTOMATIC WIDE RANGE ELECTRICAL WAVE GENERATOR OF HIGH STABILITY
Harris A. Robinson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 13, 1948, Serial No. 14,666
4 Claims. (Cl. 250—36)



1. In apparatus for generating oscillatory energy of substantially stable frequency, the frequency of which may be changed at will continuously through a wide range of frequencies, an oscillation generator of controllable frequency, an oscillation source of substantially fixed frequency, a frequency converter directly coupled to both the oscillation generator and to said source to be excited by oscillations therefrom, narrow and wide band frequency discriminators, both turnable at will through a frequency range starting at a frequency of the order of a side band frequency, coupled to said frequency converter to both be excited by side band energy therefrom, and a control circuit coupling said discriminators to said oscillation generator to control the frequency of operation thereof.

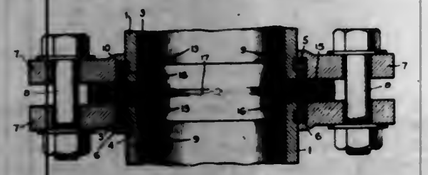
2,568,413
FILTER PAD DISPENSER
Albert J. Rubisch, Withee, Wis.
Application February 11, 1949, Serial No. 75,828
7 Claims. (Cl. 312—51)



4. A cloth or fabric pad dispenser comprising a substantially upright receptacle having a restricted opening in the bottom thereof and adapted to contain a plurality of fabric pads or cloths in a stacked position therein, said bottom opening being smaller than the pads or cloths, a plate hingedly connected adjacent an edge thereof to the receptacle for normally closing the open bottom thereof and mounted for down-

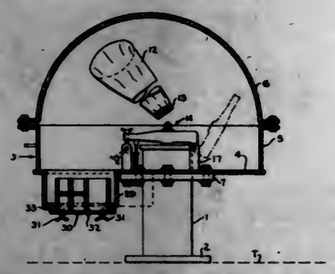
ward swinging movement to an open position, a claw disposed on the upper side of said plate and pivotally connected thereto for engagement with the bottommost pad or cloth, said claw being pivoted at one of its ends and extending toward the hinged edge of the plate from its pivoted end, and a rigid link pivotally connected to the claw and to a stationary portion of the receptacle beneath and adjacent the point where the plate is hinged to the receptacle for causing the claw to swing upwardly and away from the plate when the latter is swung downwardly to an open position for extracting the bottommost cloth or pad from the stack and for delivering it downwardly and outwardly with respect to the receptacle in a direction away from the hinged portion of the plate.

2,568,414
PIPE JOINT
Ira A. Russ, Ridgewood, N. J.
Application January 7, 1947, Serial No. 720,649
9 Claims. (Cl. 285—140)



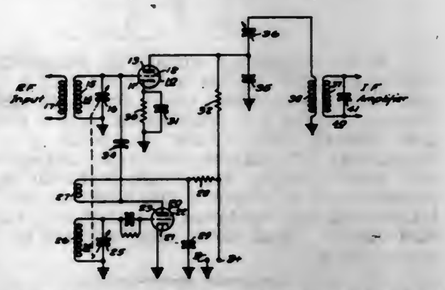
4. The combination of a pipe provided with an internal circumferential shoulder near one of its ends, a second pipe at said end of the first pipe and substantially aligned therewith, members at substantially the adjacent ends of said two pipes for fastening said pipes together, and a seal comprising a flexible sleeve-like annulus extending into said end of the first mentioned pipe and with its end within said pipe abutting said shoulder and a flange extending radially from the outer side of said annulus between said fastening members, the outer wall of the annulus having a circumferential recess adjacent to said flange the internal diameter of the annulus at said flange being smaller than its internal diameter at said shoulder.

2,568,415
SAMPLING AND GAUGING HEAD FOR TANKS
Ralph Lionel Sarjeant, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 9, 1948, Serial No. 20,141
In Great Britain April 21, 1947
3 Claims. (Cl. 73—421)



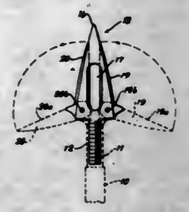
1. A gauging head for tanks comprising a connecting member adapted for attachment about a tank aperture, a housing providing an enclosed working space above and around the free end of said member, said housing being provided with one or more apertures, resilient sleeves fitted to said apertures and adapted to form leak-proof seals at least when an operator's arms are passed thereinto, a closure for said connecting member operable into open or closed positions, a vent passage for said housing, a spring-loaded valve for closing and opening said vent passage, and means for operating said spring-loaded valve so as to open said valve when the closure is closed and to close said valve when said closure is open.

2,568,416
FREQUENCY CONVERTER WITH IMPEDANCE MATCHED OUTPUT
Frederick H. Scheer, Lewisburg, and William S. Winfield, Sunbury, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1947, Serial No. 775,252
9 Claims. (Cl. 250—20)



1. In a converter for a superheterodyne type radio receiver, in combination, a tube having a cathode, an anode, and a signal grid, means for impressing radio frequency signals upon said grid, a local oscillator, means for impressing oscillations produced by said oscillator upon said grid to beat with said radio frequency signals and produce an intermediate frequency in the anode circuit of said tube, a circuit comprising a relatively large capacitance which presents a low impedance to radio frequencies connected in the anode circuit of said tube, a second circuit comprising a small capacitance which presents a relatively higher impedance to radio frequencies than said first capacitance and a serially connected inductance connected in parallel with said first circuit, said first and second circuits being tuned to parallel resonance at said intermediate frequencies.

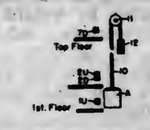
2,568,417
ARROWHEAD ASSEMBLY
Beryl H. Steinbacher, Williamsport, Pa.
Application October 19, 1948, Serial No. 55,405
7 Claims. (Cl. 273—106.5)



1. An arrowhead comprising, a flat body portion including an upper and lower face merging into a point, said upper and lower faces having

an aperture extending therethrough, said body having a slot therethrough transverse to said aperture through said faces, a blade pivotally secured to opposite sides of said body with said blades adapted to removably seat in said slot, an outwardly extending trip flange carried by each of said blades near said pivot points, and a threaded shaft for said body portion.

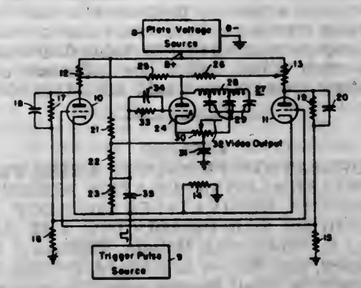
2,568,418
ELEVATOR SYSTEM HAVING SELECTIVE OPERATING MODES
John Suozzo, North Arlington, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1950, Serial No. 150,257
14 Claims. (Cl. 187—29)



1. An elevator system for a structure having terminal landings and a plurality of intermediate landings, said elevator system having an elevator car, call-registering means operable from the landings for registering calls from the landings, driving means for moving the elevator car between the terminal landings at least to the farthest of the calls in the direction of travel of the car, control means responsive to registration of said calls for stopping the elevator car at landings for which calls are registered, and special-service means operable for conditioning the elevator car under predetermined conditions for reversal when traveling in a predetermined direction at an intermediate point even though calls are registered for landings ahead of the elevator car in said predetermined direction; in combination with a signal for an attendant in the elevator car, and operating means responsive to operation of the special-service means for op-

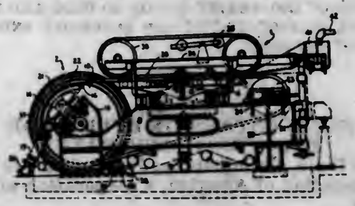
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2,568,419
PULSE GENERATING CIRCUITS
John W. Taylor, Jr., and William S. Parnell, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1950, Serial No. 143,504
9 Claims. (Cl. 250—27)



1. A pulse generator comprising a pulse-forming network, means including a first and a second electron tube for charging said network to different voltages, means including a third electron tube for discharging said network, and means for applying trigger pulses to said tubes.

2,568,420
FILTER APPARATUS
William Robert Thomson, Ottawa, Ontario, Canada
Application March 6, 1947, Serial No. 732,678
3 Claims. (Cl. 210—197)



3. In apparatus of the character described, two laterally aligned series of suction boxes each having horizontally disposed suction areas, a roll rotatably mounted forwardly of said boxes and having two annular perforated areas each adjacent a respective end of the roll and in longitudinal alignment with the suction areas of a respective series of said boxes, the annular area of said roll between the perforated areas being imperforate and occupying the major portion of the width of the roll, arcuate suction boxes stationarily mounted within said roll and each having an inlet in communication with a portion of one of said annular suction areas, an endless filter mat extending over said roll and suction boxes, said mat having a plurality of passages extending transversely therethrough and openings leading from each end of the passages adjacent the marginal portions of the mat and communicating with all of said suction areas, the surface of the mat engaging the imperforate section of the roll being imperforate, means for applying vacuum to all of said aligned series of suction boxes, independent means for applying vacuum to said arcuate suction boxes, and means for driving said roll.

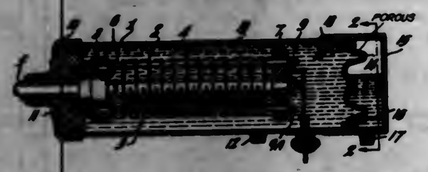
2,568,421
APRON
Eleanor R. Van Staagen, Mount Vernon, N. Y.
Application May 12, 1949, Serial No. 92,775
1 Claim. (Cl. 2—48)



An apron comprising a skirt, a waistband permanently secured to said skirt along their adjoining portions except for a short distance intermediate the ends of the top of the skirt thereby providing an opening between the skirt and waistband accessible from the front of the apron, a plurality of separable fastening elements affixed to the apron at closely spaced intervals between the ends of said opening, an accessory

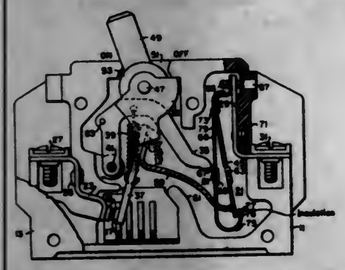
such as a towel having fastening elements near one of it ends corresponding in number to but being more widely spaced than the elements on said apron whereby joining of the two sets of elements will cause the accessory to be folded into pleats, the fastening of the waistband about the body of the wearer acting to bind and flatten the thus pleated end of the accessory extending into said opening.

2,568,422
FLUID EXPANSION DEVICE FOR ELECTRICAL APPARATUS
Sidney Wald, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 21, 1947, Serial No. 762,303
4 Claims. (Cl. 174—12)



3. A liquid expansion device for electrical apparatus, comprising a liquid-filled container for enclosing the electrical apparatus, a partially-gas-filled closed space forming an expansion chamber for the liquid in said container, and a microporous porcelain member partitioning said container from said expansion chamber, one surface of said member constituting one continuous wall of said chamber.

2,568,423
CIRCUIT BREAKER
Eugene J. Walker and Melvin Bingenheimer, Beaver, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 7, 1950, Serial No. 172,524
9 Claims. (Cl. 200—88)

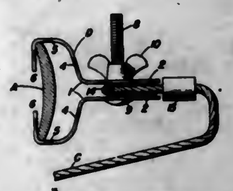


1. A circuit breaker having relatively movable contact means and operating mechanism therefor, a trip device comprising a bimetal trip element having one end fixedly mounted and heated in response to the current of the circuit, an ambient temperature responsive bimetal element having one end rigidly mounted adjacent the fixedly mounted end of said current responsive bimetal element and extending along one side of said current responsive bimetal element for compensating said current responsive bimetal element for changes in ambient temperature, one of said bimetal elements having a portion disposed adjacent the other side of the other of said bimetal elements, latch means on said ambient temperature responsive bimetal element engaging and releasably restraining said operating mechanism, and said current responsive bimetal element deflecting when heated a predetermined amount in response to overload currents to operate said ambient temperature responsive bimetal element and cause said latch means to release said operating mechanism.

2,568,424
COATING COMPOSITION FOR PROTECTING METAL SURFACES FROM CORROSION
Charles T. Watson, Bessemer, Ala., assignor to Tennessee Coal, Iron and Railroad Company, a corporation of Alabama
No Drawing. Application April 20, 1949, Serial No. 88,686
1 Claim. (Cl. 106—14)

A protective paint for metal surfaces comprising from ⅓ to ½ solids by weight suspended in a water insoluble film-forming vehicle, said solids consisting of from 15 to 40% by weight of a phosphate of a metal from the group consisting of iron, manganese and zinc, and substantially the balance inert filler.

2,568,425
TOWING DEVICE
Robert W. Weeks and Russell L. Black, West Chester, Pa.; said Black assignor to said Weeks
Application June 5, 1946, Serial No. 674,580
4 Claims. (Cl. 280—33.44)

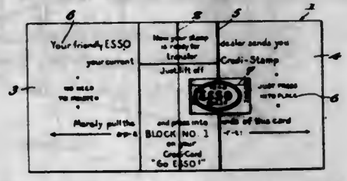


2. A towing device for vehicles comprising, a pair of relatively transversely spaced clamp members adapted to engage the opposed lateral edges of a vehicle bumper, and transverse inwardly projecting flanges carried by said clamp members to abut against longitudinally presented portions of said bumper, in combination with a rigid connecting member transversely disposed through holes in said clamp members and transversely movable relative to one of said clamp members, a relatively transversely adjustable element associated with said connecting element in engagement with said last mentioned clamp member, and a tension member attached to said connecting member between said clamp members, said clamp members being movably disposed relative to each other under the influence of said connecting element and said adjusting element.

2,568,426
CONDENSATION PRODUCTS FROM POLYETHYLENIC-UNSATURATED ALDEHYDE ADDUCTS, DERIVATIVES THEREOF, AND METHODS FOR PRODUCING THE SAME
Richard R. Whetstone, Orinda, William J. Raab, Berkeley, and Seaver A. Ballard, Orinda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 6, 1949, Serial No. 97,484
23 Claims. (Cl. 260—23)

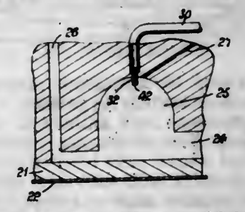
6. An ester condensation product obtained by treating an addition product of an alpha,beta-ethylenically unsaturated aliphatic aldehyde containing from 3 to 12 carbon atoms and a drying oil the acid residue of which contains at least 30% polyethylenic acids having at least two ethylenic linkages in conjugated relationship, with from 0.01% to 5% by weight of an aluminum lower alkoxide.

2,568,427
STAMP CARRIER CARD
William H. Wolowitz, Washington, D. C.
Application November 29, 1948, Serial No. 62,577
2 Claims. (Cl. 216—1)



2. In combination with a stamp having its rear surface coated with a pressure sensitive adhesive, a carrier card for the stamp comprising a sheet of paper folded intermediate its length and then back upon itself to provide a folded intermediate portion and end portions projecting laterally from the folded intermediate portion, said stamp being applied in adhering engagement with the front faces of the inner end portions of said end sections and in exposed and bridging engagement therewith and being detachable from one end portion by a pull exerted longitudinally upon both of said end sections, while remaining in adhering engagement with the inner end portion of the other end section.

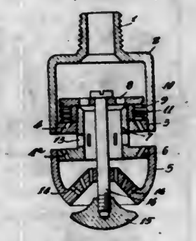
2,568,428
MOLD WITH RISER AND EXOTHERMIC INSERT
Irvin A. Billiar, Depew, N. Y.
Application September 9, 1949, Serial No. 114,821
3 Claims. (Cl. 22—134)



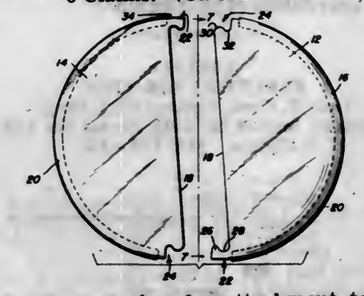
3. In combination with a mold having a mold cavity and a riser communicating therewith, an imperviously walled duct passing through said mold and opening into said riser, means supplying gas under pressure through said duct to said riser, a gas pervious core in said duct, and a charge of material carried by said core, said material being of a character to react with said gas and thereby raise the temperature of the gaseous charge entering said riser.

2,568,429
DISTRIBUTOR HEAD
Thompson W. Burnam, Whittier, and George D. Ramsay, San Marino, Calif., assignors, by direct and mesne assignments, to Fog Nozzle Company, Los Angeles, Calif., a limited partnership
Application October 19, 1945, Serial No. 623,310
6 Claims. (Cl. 299—125)

6. A distributor head for producing a fluid spray or fog, said distributor head including two members normally closed together to form a chamber but movable to an open position by pressure of fluid within said chamber, means within said chamber including a member attached to each of the movable members for the discharge of fluid in the form of a spray or fog, said latter members each including a bore angularly related relative to the bore of the other member and positioned to form impinging jets, the discharge area of the bores being independent of the position of the two relatively movable members.



2,568,430
AUTOMOBILE HUBCAP COVER
John Casabianca, New York, N. Y., assignor of one-half to John Fisher, New York, N. Y.
Application March 9, 1948, Serial No. 13,757
6 Claims. (Cl. 301—108)

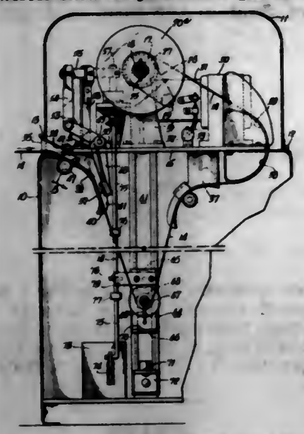


4. A cover member for attachment to a hub cap comprising an arcuately raised sectional body including a pair of interlocking sections each having an arcuate edge and an oppositely disposed substantially straight edge, a circumferential bead on said arcuate edge for overlapping the circumferential periphery of a hub cap, a locking joint on said straight edges including oppositely disposed offset portions defining a re-entrant groove and a locking tongue, a pair of diametrically opposed peripheral channels formed on said body along the juncture of the sections, an elongated strap seated in said channels, and inturned flanges on the extremities of said strap for clamping the body on a hub cap.

2,568,431
WINDING DEVICE
Ernest Congdon, Upper Darby, Pa.
Application April 19, 1949, Serial No. 88,501
10 Claims. (Cl. 242—55)

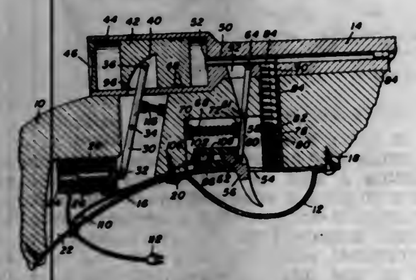
1. A device for discretely winding successive portions of a flexible web or tape, comprising a winding spool, controllable means for driving said spool, means for causing the web or tape to assume a vertical loop in its travel toward said spool, said last means including a member about which the web or tape passes and which is freely movable vertically, brake means engageable with the web or tape at the feed side of the vertical

loop, and means for rendering said driving means and said brake operative when said loop is of predetermined maximum length, and for rendering said driving means and said brake means inoperative when said loop is of a predetermined



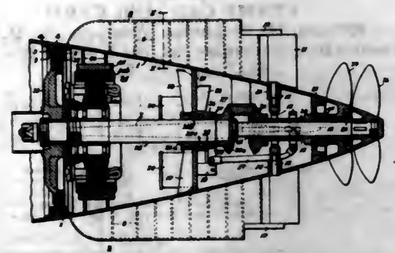
minimum length, whereby the web or tape is held at the feed side of said loop while a portion of the web or tape is wound on said spool, and then the spool remains stationary while another portion of the web or tape is drawn into the device by gravitation of said member.

2,568,432
ELECTRIC AIR GUN
Ivan R. Cook, Oregon City, Oreg.
Application August 25, 1949, Serial No. 112,388
6 Claims. (Cl. 124—13)



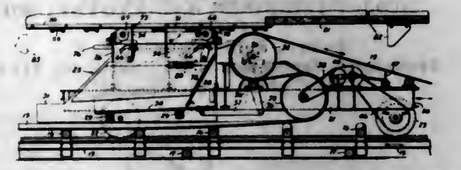
1. A gun comprising a stock with a barrel fixed thereto, said barrel having an aperture therein, a cylinder at one end of said barrel, a projectile clip disposed in said stock and having an opening for passage of projectiles through said aperture and into said barrel, a spring-loaded trigger slidably connected to said stock, a hollow projectile pusher slidably disposed in said barrel and having an end disposed in said cylinder, means pivotally attaching said pusher to said trigger, a guide carried by said stock, a contact insulated from the carrier by said trigger disposed in said guide, a piston slidably disposed in said cylinder for forcibly urging air through said hollow pusher to urge a projectile from said barrel, means for actuating said piston operatively connected therewith including an elongated member secured to said piston, a solenoid connected to said elongated member for operating said elongated member, and a pair of electrical conductors fixed to said guide and connected to said solenoid and adapted to be bridged by said contact.

2,568,433
PROPULSION ASSEMBLY FOR TORPEDOES
Thomas A. Daly and Paul M. Hogue, Sharon, Pa., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application November 21, 1946, Serial No. 711,420
3 Claims. (Cl. 114—20)



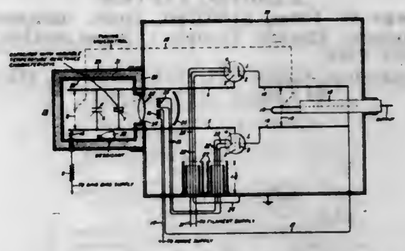
3. In a tail cone assembly for a torpedo having a propulsion motor and a system of coaxial propulsion shafts mounting propellers for propelling the torpedo, the combination of a bulkhead arranged substantially centrally of said tail cone, a thrust bearing disposed in said bulkhead for receiving the thrust of one of said coaxial propulsion shafts, and a thrust bearing arranged at the aft extremity of said tail cone for receiving the thrust of the other of the coaxial shafts.

2,568,434
STORAGE PILE MATERIAL HANDLING APPARATUS
Joseph E. Dunasky, Cleveland, Ohio
Application April 21, 1945, Serial No. 589,621
15 Claims. (Cl. 214—10)



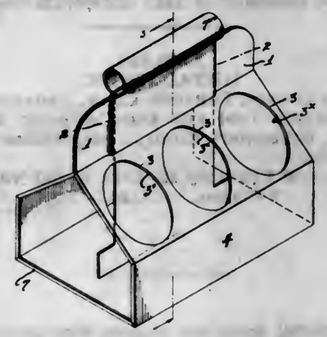
6. In apparatus for handling material of the class described, a conveyer gallery, a belt conveyer driven through said gallery, a car movable through said gallery, a hopper carried by said car and located above said belt, means actuated by said belt to drive said car in a direction and at a speed to remove material deposited on said belt by said hopper away from said car, a continuous gate structure serving as a ceiling for said gallery and as a floor on which material to be reclaimed may be deposited, said continuous gate structure comprising spaced supporting members defining a gate space therebetween, said gate space extending above and parallel to said belt, adjacent gate plates, each pivotally mounted in said supporting members for movement from a horizontal position to a vertical position in which the center of gravity is below the point of pivotal support in said supporting members, adjacent edges of said gate plates substantially touching when said gate plates are in their horizontal position closing the gate space, and pivotally mounted lugs for locking the gate plates in their horizontal closed position, a first cam means carried by said hopper car for acting on said lugs to allow said gate plates to fall to a vertical position above said hopper, means carried by said hopper car for raising said gate plates to a closed position, and a second cam means carried by said car for acting on said lugs to lock said gate plates in a closed position, said first and second cam means and said gate closing means being located on said car with respect to the direction of travel of said car to first open and then close said gate plates in succession and above said hopper as said car is driven through said gallery.

2,568,435
THERMAL COMPENSATION SYSTEM
Reginald L. Downey, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application November 26, 1946, Serial No. 712,340
7 Claims. (Cl. 250—36)



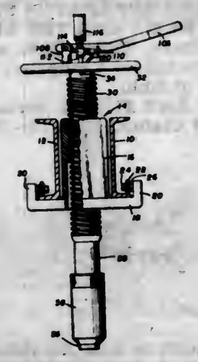
1. In an oscillator including a frequency-determining circuit and a power supply circuit, the frequency of operation of said frequency-determining circuit being subject to undesirable variations in response to variations in current in said power supply circuit, a frequency control element for said oscillator comprising a reactance in said first circuit having a variable reactance-temperature characteristic, a heating element physically spaced from said reactance for developing radiant heat in response to said current and means for directing said radiant heat upon said reactance, said reactance being arranged to be substantially unaffected by heat transferred by conduction or convection from said element, the variations in frequency due to said radiant heat being opposite to the variations due to said current.

2,568,436
BOTTLE CARRIER
Louis Faria, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application February 3, 1948, Serial No. 6,511
1 Claim. (Cl. 224—45)



A bottle carrier comprising a unitary sheet folded to form a bottom wall, side walls and inclined walls overhanging the bottom wall, said inclined walls being formed with openings to receive bottles, vertical extensions carried by said inclined walls, at least one of said vertical extensions being displaced outwardly at a central area thereof to provide, in co-action with the second vertical extension, a closed channelway having opposed lateral shoulders, flanges inwardly directed at the margins of said openings in the inclined walls, flanges inwardly extending inwardly from the edges of the bottom wall, the side walls, and the inclined walls, and a handle member comprising a unitary sheet movable in said channelway between said vertical extensions of the inclined walls having a handle grip at its top and wing extensions at its base, the handle grip comprising an integral upper marginal area of said unitary sheet, which area is curled upon itself to form a handle in generally tubular form.

2,568,437
HYDRAULIC SCREW JACK
Freeman C. Foss, Twin Falls, Idaho
Application March 18, 1947, Serial No. 735,467
2 Claims. (Cl. 254—84)

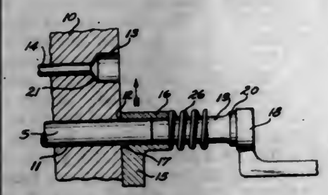


1. A hydraulic jack including a body member having a cylindrical bore closed at one end, a piston slidably mounted within said bore and having a channel leading into said bore, said piston having an extending hollow portion containing hydraulic fluid, a force pump associated with said piston to pump said hydraulic fluid from said hollow portion through said channel into said bore, and means to release and return the pumped fluid to said hollow portion, said extending portion of the piston having a bracket threadedly mounted thereon, fixed rail structure having flanges, said bracket having a flat portion in superficial sliding relation with said rail structure, rollers on said bracket whereby the bracket is suspended from said rail structure, and a hand wheel fixed coaxially on said extending portion.

2,568,438
SHEAR MECHANISM FOR HEADERS
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application March 31, 1945, Serial No. 586,001
15 Claims. (Cl. 10—72)

1. In a header having a die cavity, a shear bushing adjacent the die cavity, and a passageway for feeding elongated stock through the bushing; shearing mechanism comprising a movable member carrying a quill adapted to be moved alternately into alignment with said shear bushing and into alignment with said die cavity, said quill having a bore adapted to receive a length of stock fed through said bushing and a cutting

edge arranged to sever said length of stock and carry the same into alignment with said die cavity, a pin slidably mounted in the bore of said quill, and a heading tool arranged to engage



said pin to move said length of stock out of said quill and into said die said heading tool and pin ejecting said stock completely into said die cavity.

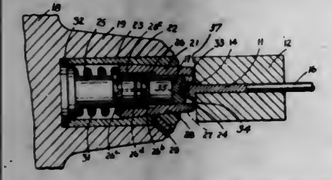
2,568,439

METHOD AND APPARATUS FOR MAKING SCREWS AND THE LIKE

John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Application April 27, 1945, Serial No. 590,556

17 Claims. (Cl. 10—26)



1. In a header, a pair of relatively reciprocable members, a tool carried by one of said members having a working portion adapted to engage a work piece supported by the other of said members, and movable means arranged to hold said tool against lateral movement with respect to said one member, one of said elements having associated therewith means operated in timed relation to the relative reciprocation of said members arranged to move said first named means and release said tool for lateral movement after said working portion has engaged a work piece supported by the other said members.

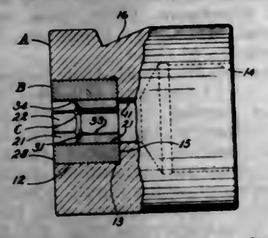
2,568,440

COMPOSITE DIE FOR NUT MACHINES

John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Application September 9, 1948, Serial No. 48,400

3 Claims. (Cl. 10—85)



1. In combination a steel heading die having a polygonal die cavity extending into said die from the front face thereof, a die insert having a polygonal exterior surface similar to, but normally larger in dimensions than, said die cavity positioned in said die cavity and spaced from the front face of said die, said insert being formed of material harder than said die and having a concave front face forming a wall portion of said die cavity, the intersection of the polygonal exterior surface and the concave front face of said insert forming projecting corner portions closely engaging and supported by the walls of the die cavity of said die.

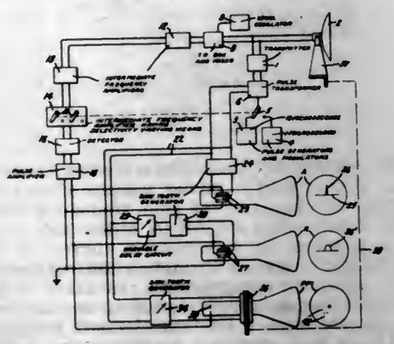
2,568,441

EXTENDED RANGE RADIO DETECTION AND RANGING SYSTEM

George W. Fyler, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application January 27, 1944, Serial No. 519,839

14 Claims. (Cl. 343—13)



9. The combination, in a pulse echo system, means to transmit recurrent pulses, means to receive echoes thereof during the intervals between said pulses, said receiving means including means to amplify said received echoes, said amplifying means producing high frequency output currents increasing in intensity at a logarithmetically decreasing rate with increase in intensity of said echoes, echo indicating means, a differentiating circuit, means to rectify said output currents and to supply the rectified currents through said differentiating circuit to said echo indicating means, and means to increase the sensitivity of said indicating means to weak echoes, said last means comprising means to increase the length of said recurrent pulses and the time constant of said differentiating circuit.

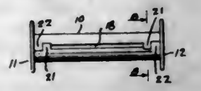
2,568,442

METAL SPOOL

Stephen George, Fairfield, Conn., assignor to The Bridgeport Tool and Die Company, Incorporated, Bridgeport, Conn., a corporation of Connecticut

Application February 10, 1949, Serial No. 75,539

3 Claims. (Cl. 242—70)



1. A metal spool for camera film and the like comprising a central barrel portion and end flanges secured to the ends of the barrel portion, said barrel portion being provided with a longitudinal slot terminating at its opposite ends

spaced from the ends of this portion, the end portions beyond the slot including a longitudinal joint comprising abutting edges, one edge adjacent the end of the slot being recessed backwardly from the edge of this slot, a lug projecting from the other edge and seated at its free end in the recess, said latter edge being provided with a recess on the outer side of the lug extending backwardly from the second edge of the slot, and a lug on the first edge located at the outer side of the first lug in the latter recess and projecting at its free end with this recess beyond the second edge of the slot an amount substantially equal to the depth of the first recess.

2,568,443

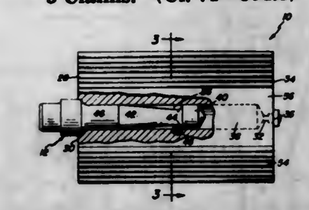
BICYCLE PEDAL

Willi Gerner, Katzwang, and Gunther Kraetsch, Bartenbach, Germany

Application March 30, 1950, Serial No. 152,856

In Germany September 22, 1948

3 Claims. (Cl. 74—594.4)



1. A bicycle pedal comprising a body portion of substantially the shape of a St. Andrew's cross and having a central hub portion with radial legs extending therefrom and longitudinally extending recesses bounded by the legs, a cylindrical recess in said hub portion and opening into one side thereof for receiving a shaft, and keying means extending through said central hub portion for locking the shaft in said recess, and resilient means secured to opposed pairs of adjacent legs and adapted to be engaged by the balls of a bicyclist's foot.

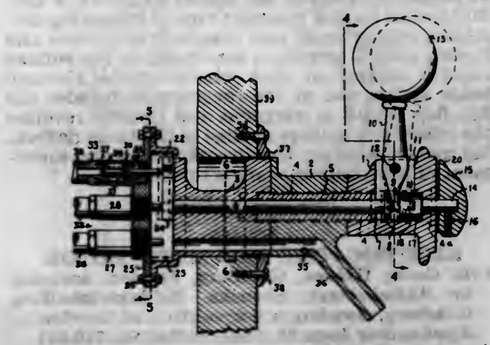
2,568,444

BEVERAGE FAUCET

Joseph G. Giuliano, Detroit, Mich.

Application December 8, 1945, Serial No. 633,613

10 Claims. (Cl. 277—60)



1. A faucet comprising a casing having front and rear ends and having a liquid flow chamber in its rear end with an outlet therefrom and a substantially circular set of inlets thereto, a plurality of valves respectively controlling the respective inlets and each having a stem forwardly projecting into said flow chamber, a primary stem rotatively and reciprocably mounted in said casing and forwardly extending from said chamber, a control element fixed on the primary stem within said chamber forwardly of said valve stems, rotatable by the primary stem for selective registration with said valve stems, and reciprocable by the primary stem to actuate a registering valve stem and open the corresponding valve, an actuator mounted in front of said casing rotative about the extended axis of the primary stem, means for applying the rotation of said actuator to such stem, and a handle connected to said stem rearwardly of said actuator for effecting reciprocation of such stem independently of said actuator, said handle remaining static while said actuator is rotated.

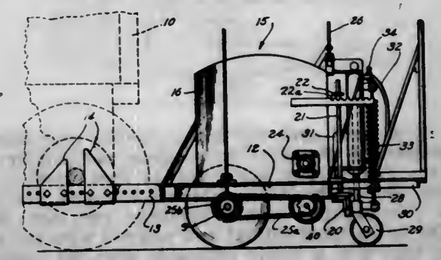
2,568,445

PISTON OPERATED DRAFT HITCH FOR VEHICLES

Peter J. Grattan, Minneapolis, Minn.

Application July 23, 1946, Serial No. 685,729

3 Claims. (Cl. 280—33)



1. A machine of the character described for connection as a trailer with a draft vehicle having an accessible transversely extending part such as an axle, said machine comprising a material carrier, wheel supporting means for the carrier positioned forwardly of the center of gravity of the carrier, a draft hitch for connecting the trailer with the said transverse part of the draft vehicle, said draft hitch comprising a forwardly extending bar, a pair of upstanding jaws carried by the bar and having a spacer relation to receive between them the said transverse part of the draft vehicle, the center of gravity for the carrier being a sufficient distance rearwardly of the supporting axle to overbalance the carrier and the weight of the draft hitch, a power unit supported upon the rear of the carrier and including a vertical cylinder and a downwardly extending piston, a caster wheel carried upon the lower end of said piston for contact with the ground, means for introducing fluid pressure into the cylinder to effect the projection of the piston downwardly whereby to elevate the rear of the carrier and lower the hitch bar to effect the disengagement of said jaws from said part of the draft vehicle, and spring means functioning to normally resist the downward movement of the piston whereby to elevate the piston and the caster wheel upon the withdrawal of fluid pressure from the cylinder.

2,568,446

METHOD AND MEANS FOR INTERMITTENTLY TREATING SIZED YARN

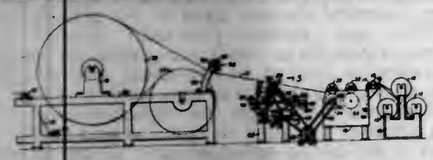
Ira L. Griffin, Charlotte, N. C.

Application August 26, 1947, Serial No. 770,584

24 Claims. (Cl. 28—28)

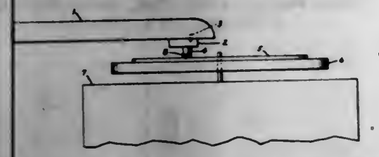
1. That method of applying a controlled amount of a treating solution to a sheet of yarn

which comprises passing the yarn through a sizing box to apply a coating thereto and then intermittently applying to spaced portions of the



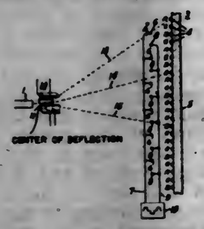
sheet of yarn a controlled amount of treating liquid before the yarn is dried and then drying the yarn.

2,568,447
PHONOGRAPH TONE ARM
Anatole M. Gurewitsch, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 26, 1948, Serial No. 11,012
2 Claims. (Cl. 274—24)



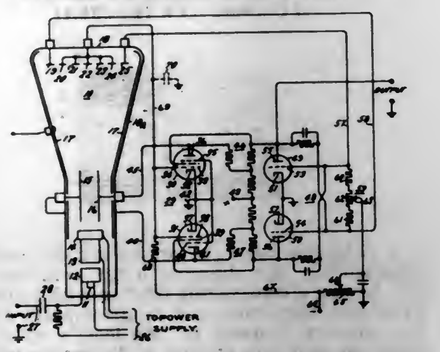
1. A tone arm for use in sound reproducing devices of the disc record type, comprising, an arm member, a pin fixed to said member, a reproducing head rotatably mounted on said pin, a phonograph needle mounted on said head having its longitudinal axis aligned with the axis of said pin, a freely rotatable disc-like member similarly mounted on said head and disposed from said needle along the longitudinal axis of said head, said last-mentioned member serving as a guide for said head.

2,568,448
PARALLAX CORRECTION IN COLOR TELEVISION
Siegfried Hansen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application September 23, 1947, Serial No. 775,731
4 Claims. (Cl. 313—92)



1. An electrical beam deflection device for color television comprising a color screen having a plurality of intermeshed sets of different color strips, the strips within each set being of the same color, a source of an electrical particle beam adapted to be deflected about a center of deflection to scan said screen and a control member positioned between said screen and said center of deflection including a plurality of elongated control members positioned between said screen and said center of deflection for determining the set of color strips on which the beam impinges when scanning the screen, the elongated conductors corresponding in number to one set of strips of said screen and supported in spaced apart relation, the space between adjacent conductors bearing the same ratio to the spacing between adjacent color strips of one set as the distance between the center of deflection of the beam and the control member bears to the distance between the center of deflection of the beam and the surface of the screen whereby parallax errors in the impingement of the beam on a selected set of color strips is substantially eliminated.

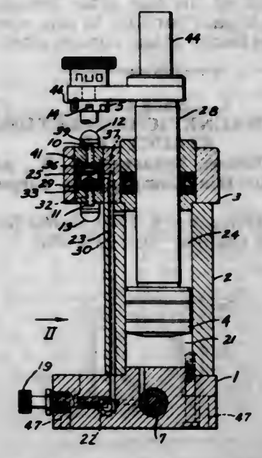
2,568,449
ELECTRONIC COUNTER
Siegfried Hansen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application December 5, 1947, Serial No. 789,794
4 Claims. (Cl. 315—21)



1. Apparatus for counting electric pulses, comprising means to form an electron beam, an anode structure including a plurality of counting electrodes, beam deflecting means, voltage control means connected to the deflecting means to apply thereto a deflecting voltage of variable magnitude to cause the electron beam to move laterally from one counting electrode to another responsive to the electric pulses counted, the voltage control means being connected to the counting electrodes and responsive to electric current flowing thereto to arrest lateral movement of the electron beam between the pulses counted, reversing electrodes at respective ends of the anode structure, a flip-flop circuit having respective input triggering terminals connected to said reversing electrodes and having output terminals connected to the voltage control means, so that whenever the electron beam strikes one of the reversing electrodes the flip-flop circuit is triggered and thereby reverses the polarity of voltage applied to the beam deflecting means, whereby the direction of lateral movement of the electron beam is reversed.

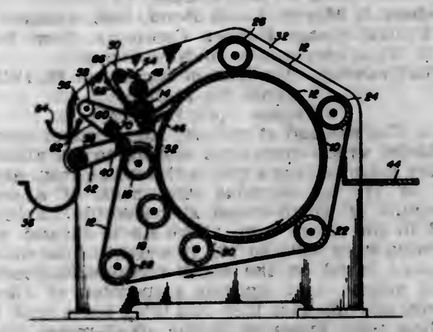
2,568,450
RECIPROCATING PNEUMATIC MOTOR
Erik Georg Hjärpe, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application June 23, 1947, Serial No. 756,514
In Sweden October 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1965
2 Claims. (Cl. 121—45)

1. A pneumatic motor having a cylinder and a piston reciprocable therein, a source of air pressure, the cylinder at one side of the piston being in continuous communication with said source, valve means actuated by the piston for putting the other side of the cylinder into connection alternately with the source of air pressure and with the atmosphere so as to afford uninterrupted reciprocatory operation of the motor, contact members for actuating the said valve means, said members being operatively associated with the piston for operation by the latter, one of said



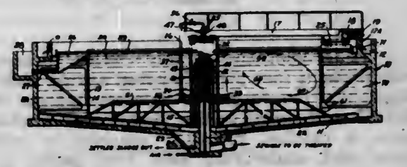
contact members being adjustable for varying the point at which said valve means is actuated during travel of the piston toward that end of the cylinder which is in continuous connection with the source of air pressure to reverse the direction of said travel and for thereby regulating the effective length of the stroke of the piston, stop members to prevent the contact members from actuating the valves, and means for suspending the function of the stop members.

2,568,451
IRONER PERMITTING REMOVAL OF WORK AT INPUT END
William R. Kahl, Auburn, N. Y.
Application October 18, 1948, Serial No. 55,083
7 Claims. (Cl. 38—11)



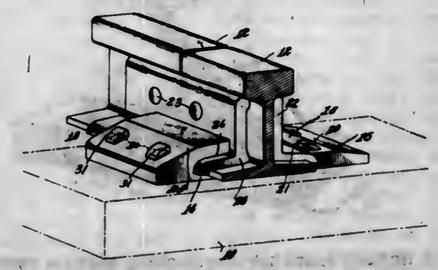
1. In combination with an ironer having a cylinder, an apron drive roll, an apron driven by the drive roll, guide rolls to direct the apron to convey goods from the front of the cylinder and return them to the front, a knife disposed transversely of said apron to remove the goods from the front of the cylinder, doffer tapes adjacent said knife to pick up the goods removed thereby, said doffer tapes extending over a portion of the apron less than its width, means including several of said guide rolls for conveying goods picked up by said doffer tapes to the rear of the cylinder; an attachment for withdrawing goods at the front of the cylinder comprising a plurality of spaced rolls interposed between said apron drive roll and one of said guide rolls at the front of the cylinder, endless return tapes entrained over said spaced rolls and occupying the remaining portion of the width of the apron, one of said spaced rolls being a common pulley for said return tapes and said doffer tapes, and means for directing the goods over the endless tapes.

2,568,452
CLARIFICATION
Earl M. Kelly, Millbrae, and Arthur M. Kivari, Los Angeles, Calif., assignors to Process Engineers Incorporated, San Francisco, Calif., a corporation of California
Application May 31, 1949, Serial No. 96,184
12 Claims. (Cl. 210—5)



1. In clarification involving the flocculation and settlement of finely divided solids suspended in a body of liquid with continuous removal of the clarified liquid from an upper portion of the body, removal of suspended solids from a lower portion of the body, and continuous introduction of feed to the body, the improvement which comprises continuously and separately lifting settled solids mixed with air from the lower portion of the body adjacent the point of removal and discharging the mixture into an upper portion of the body, continuously lifting partially settled solids with air from an intermediate level in the body to said upper portion of the body, and continuously discharging fresh feed into an upper portion of the body remote from the region from which the clarified liquid is withdrawn.

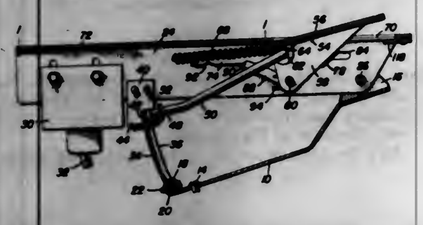
2,568,453
JOINT BRACE PLATE
Vito La Grande, Westfield, N. J.
Application April 18, 1946, Serial No. 663,183
1 Claim. (Cl. 238—187)



A device of the character described, comprising a base plate, a shoulder formed on one end of said plate, a jaw portion on the opposite end of said plate, angle plates, one of which is engageable with said jaw portion and the other of which is engageable with said shoulder, spike openings in said jaw portion to secure this end of the base

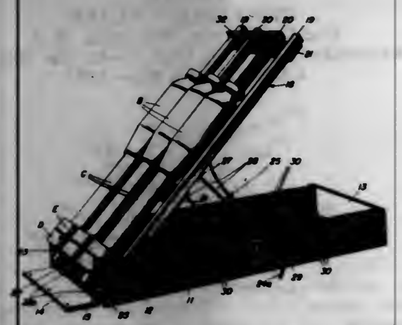
plate to a railroad tie, spike openings in said shoulder to receive spikes for securing this end of the base plate to the tie, the heads of the spikes through said shoulder overlying one of the angle plates to retain said angle plate in cooperative relation with said shoulder.

2,568,454
ACCELERATOR CONTROL DEVICE
Sidney N. Laverents, San Diego, Calif.
Application March 8, 1950, Serial No. 148,331
8 Claims. (Cl. 74—513)



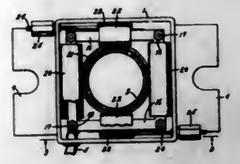
1. An accelerator control device comprising a base plate, a foot pedal pivoted at one end to said base plate, means operatively connecting the free end of said pedal to the throttle of a motor vehicle, a ratchet pivotally secured to said base plate and underlying said foot pedal, a guide mounted on and depending from said pedal and slidably receiving the ratchet, a locking member carried by said pedal selectively engaging the teeth of said ratchet to retain the pedal in a predetermined depressed position, a further guide mounted on said first named guide and slidably receiving said locking member, and means carried by said pedal for operating said locking member.

2,568,455
ROCKET LAUNCHER
Frederick C. Lindvall, Altadena, and Paul E. Lloyd, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy
Application March 28, 1945, Serial No. 585,279½
1 Claim. (Cl. 89—1.7)



A unitary launcher and packing case for rockets consisting of a rectangular box having a base and upstanding walls one of which is hinged for flat opening to provide a blast deflector, a plural-railed launching frame on which rockets are racked for packaging and firing, said frame fitting within the box for transportation and having a hinge connection with the base adjacent to the hinged wall and being swingable on said hinge connection to assume predeterminedly pitched firing positions relative to the base, bearing plates depending from said frame, a cross member journaled in said plates, and legs extending away from the cross member and having out-turned foot portions, said legs being flexed outwardly to exercise pressure against opposite walls of the box when sprung inwardly for stowage, said walls having a distributed series of matching holes, in selected pairs of which the foot portions are held by the tension of the legs after flexure inwardly for insertion of said portions in said selected holes to sustain the frame at the chosen pitch.

2,568,456
ELECTROMAGNETIC DEFLECTION YOKE STRUCTURE
Luiz G. Malheiros, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application December 6, 1949, Serial No. 131,364
6 Claims. (Cl. 313—76)

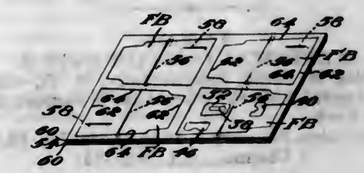


1. An electromagnetic deflecting yoke structure for a television picture tube comprising a coil support having a central opening adapted to surround the neck of such tube, two pairs of coordinate ray deflecting coils carried by said support, said pairs of coils being adapted to be energized to produce magnetic deflecting fields along two transverse axes through said support, and means for independently adjusting the magnetic axis of each coil of one pair with respect to the magnetic axes of the coils of the other pair, thereby to adjust the magnetic coupling between adjacent coils and the symmetry of said fields.

2,568,457
MANUFACTURE OF FOAM RUBBER SPONGE ARTICLES
Robert J. Meyer, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 29, 1949, Serial No. 118,705
2 Claims. (Cl. 260—723)

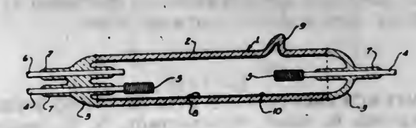
1. The method of making foam rubber sponge articles which comprises adding to an alkaline latex foam having a pH in the range from above 10 to 11.5 an aqueous suspension of a small amount of alkali-metal silicofluoride having a pH in the range from above 6.8 to 11 and containing from 0.2% to 5% by weight of paranitrophenol based on the alkali-metal silicofluoride, and mixing said aqueous suspension of alkali-metal silicofluoride into said latex foam until the yellow color imparted to the alkali-metal silicofluoride suspension by the paranitrophenol is uniformly blended throughout the latex foam, geling the latex foam, vulcanizing the gelled foam and hydrolyzing the alkali-metal silicofluoride to reduce the alkalinity of the foam whereupon a substantial amount of the yellow color disappears, and washing the rubber sponge to remove substantially all of the remaining yellow color.

2,568,458
METHOD OF MAKING CALENDAR MOUNTS
Gordon E. Nichols, Middleboro, Mass., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass., a corporation of Massachusetts
Application December 12, 1947, Serial No. 791,241
19 Claims. (Cl. 154—125)



1. A method of making a composite blank having hinged portions comprising facing at least one surface of a sheet of material of larger overall area than the blank to be made, said sheet having a prearranged slot formed therein, with the facing material covering the slot, and cutting through the combined sheet and facing material along lines to separate the blank from the sheet in such a manner that the slot runs parallel to one edge of the separated blank and is intersected by another of its edges.

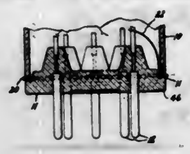
2,568,459
ELECTRIC DISCHARGE DEVICE
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application October 29, 1948, Serial No. 57,164
10 Claims. (Cl. 313—221)



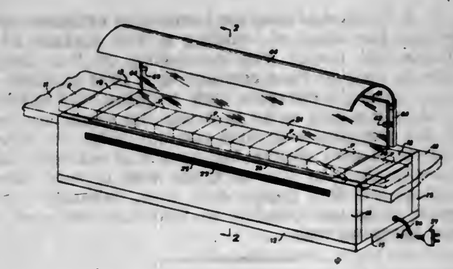
1. A gaseous electric discharge device deleteriously affected by hydrogen in its discharge conducting gaseous atmosphere comprising a sealed envelope containing a discharge conducting gaseous atmosphere free from hydrogen and having a quartz wall portion, said device being designed for operation with the said quartz wall portion at a temperature at which quartz is pervious to hydrogen and an alkali and alkaline earth free glaze consisting essentially of material of the group consisting of boric oxide and phosphoric oxide on the external surface of said quartz wall portion making it impervious to hydrogen at said temperature to keep the gaseous atmosphere within said envelope free from casual hydrogen in the atmosphere without said envelope.

2,568,460
METHOD OF FABRICATING SEALED ENVELOPES
Henry J. Nolte, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 24, 1948, Serial No. 67,236
1 Claim. (Cl. 49—81)

The method of fabricating an envelope for electric discharge tubes comprising a glass bulb portion open at least at one end and a molded generally flat circular glass closure member of greater thickness than said bulb portion, said method comprising the steps of forming said closure member with a compression strain pattern therein and with a peripheral portion of less thickness than the body of the closure member with a narrow circular bead on the upper surface of said peripheral portion, positioning a metal sealing ring on said bead between the open end of the bulb portion and the closure member, inductively heating said sealing ring to a temperature sufficient to cause fusion thereof with the adjacent glass portions, the heating of the closure member being sufficiently restricted by the small area of contact between said sealing ring and the bead on said closure member to preserve the compressive strain pattern of said closure member.



2,568,461
PACKAGE INSPECTING MACHINE USING MIRROR STRUCTURE
Woodrow W. Peeples, Winston-Salem, N. C.
Application October 29, 1949, Serial No. 124,442
1 Claim. (Cl. 88—14)



A package inspecting machine comprising a box-like structure having a transparent top disposed in a horizontal plane and an angularly disposed reflecting mirror disposed in spaced relation and below the transparent top and having its front edge at a higher elevation than its rear edge, a vertically disposed reflecting mirror disposed at the back side of the box and rising upwardly from the plane in which the transparent top is mounted and the angle of the angularly disposed mirror being such as to reflect onto the vertically disposed mirror whereby the top and nearest end of packages partially covering the transparent top and being moved across the transparent top can be directly visible by an inspector standing in front of the box and the lower surface of the packages will be reflected by the angularly disposed reflecting mirror onto the vertically disposed mirror, and an arcuate shade member rising from near the upper edge of the vertically disposed mirror and extending forwardly and then downwardly toward the operator so as to shield the eyes of the operator from the glare of the vertically disposed mirror.

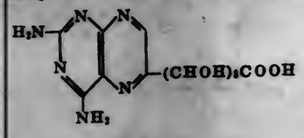
2,568,462

2,4-DIAMINO-6-OMEGA-CARBOXYTRIHYDROXYPROPYLPTERIDINE

Harold G. Petering and John A. Schmitt, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 22, 1950, Serial No. 175,478
3 Claims. (Cl. 260—251.5)

1. A compound having the formula:

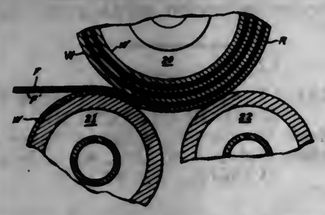


2,568,463

METHOD OF ADHERING METAL FOIL TO NONMETALLIC CARRYING WEBS

Richard S. Reynolds, Richmond, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

Application October 23, 1946, Serial No. 705,175
9 Claims. (Cl. 154—117)



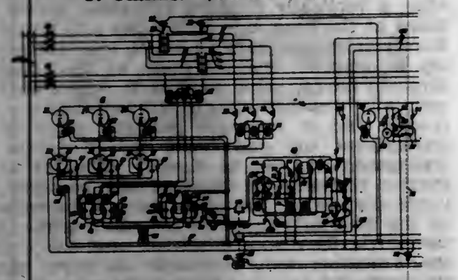
7. A method of making laminated articles comprising the steps of bonding a first surface of a double-foil metal web consisting of two metal foils in face-to-face contact to a first surface of a non-metallic carrying web, winding said bonded webs into a roll so as to bring the other surface of the carrying web into contact with the other surface of said double-foil web, and bonding said other surface of the carrying web to said other surface of the double-foil web, whereby said metal foils are bonded to opposite surfaces of said carrying web.

2,568,464

ELECTRIC WELDING SYSTEM

George L. Rogers, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 31, 1941, Serial No. 404,853
47 Claims. (Cl. 219—4)



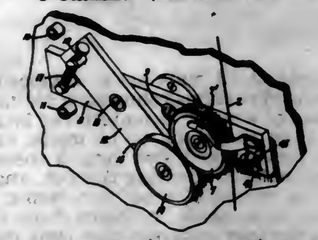
17. In combination, a supply circuit, a load circuit, a capacitance, means for charging said capacitance from said supply circuit, means responsive to the voltage of said capacitance for preventing operation of the charging means when the voltage of said capacitance attains a predetermined value, means for discharging said capacitance to effect energization of said load circuit, and means responsive to the discharge current of said capacitance for controlling the charging means to recharge said capacitance.

2,568,465

ELECTRICAL CONTACT DEVICE

Benjamin B. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 3, 1949, Serial No. 68,818
3 Claims. (Cl. 201—63)



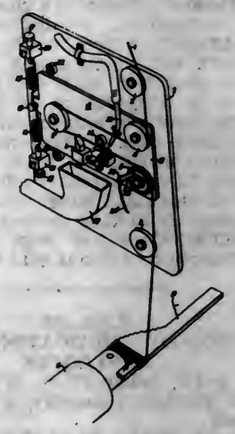
1. A contacting device for making continuous electrical contact with a moving wire coated with an insulation comprising a rotatable serrated conducting wheel of electrically conducting material for penetrating said insulation and maintaining electric contact with a loop of said wire, a smooth wheel provided with a resilient tire, a spring biasing said smooth wheel toward tangential contact with said serrated conducting wheel so as to press the wire against the teeth of said serrated wheel to cause the teeth to penetrate the insulation on the wire and make a continuous electrical contact between the metal of the moving wire and said serrated wheel

2,568,466

CONTACTING DEVICE FOR MOVING WIRES

Benjamin B. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 18, 1949, Serial No. 82,113
6 Claims. (Cl. 201—63)



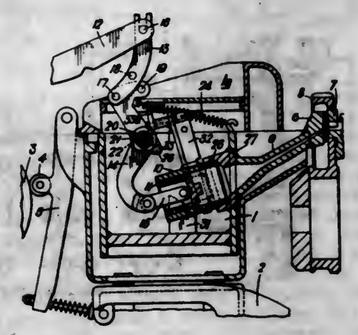
1. An incremental device for the electrical contacting of moving wires comprising an insulating base, a tension device provided with an arm pivoted on said base, pulleys and an electric conductive serrated wheel pivoted upon said base and said arm in spaced relation to provide reverse paths for said wire along said arm, the teeth of said serrated wheel being in contact with said wire to provide for electric conduction therebetween, a terminal mounted adjacent said serrated wheel and provided with a spring contact biased against the face of said wheel to provide continuous contact with said moving wire, opposing spring means mounted between said arm and said base to bias said arm to a normal position, adjustment means mounted adjacent said springs to modify the effect thereof, stops mounted upon said base to limit the movement of said arm.

2,568,467

TYPOGRAPHICAL SLUG CASTING MACHINE

Richard Henry Scott, Hale, and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a company of Great Britain

Application September 25, 1946, Serial No. 699,308
In Great Britain September 26, 1945
10 Claims. (Cl. 199—47)



8. In or for a typographical slug casting machine, the combination of a metal pot, a reciprocating pump plunger, means for operating the pump plunger, connecting means between the pump plunger and its operating means, a detachable pump plunger cylinder, a delivery mouthpiece with which said cylinder communicates, and means for disconnecting the connecting means from the plunger operating means and for connecting said connecting means to the pump plunger cylinder, whereby the pump plunger and cylinder may be removed from the metal pot as a complete unit.

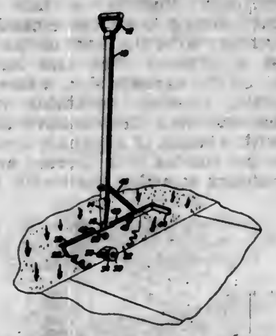
2,568,468

SIDEWALK EDGER AND TRIMMER

Clarence E. Smith, Houston, Tex.

Application May 1, 1950, Serial No. 159,267
3 Claims. (Cl. 56—256)

1. A sidewalk edger and trimmer including a pair of substantially semi-circular blades having coacting teeth on the curved edges thereof, a handle fixed to one blade, a pivot pin connecting the blades together and spaced from the diametric centers of the blades, flanges on the other blade limiting rotative movement of said other blade in both directions relative to said one blade,



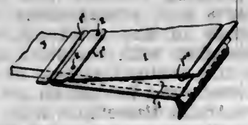
a pedal on said other blade, and a spring biasing said other blade to rotate in one direction.

2,568,469

ROOFING

Frederick A. Sunderhauf, Rutherford, N. J., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware

Application January 6, 1948, Serial No. 705
1 Claim. (Cl. 108—13)



A method of applying a roof covering formed as a metallic strip having opposed longitudinal margins, one of the margins being bounded by deformation of the metal into a rounded channel rib having a height above the face of the metal substantially greater than the thickness of the metal, said strip having its opposite margin bounded by a like channel rib projected in a direction opposite that of the first named rib, which method consists in laying a first strip upon a support with the rib of its channel rib projected upwardly, laying a second like strip over the first strip with its longitudinal edge abutting the outwardly directed channel rib of the overlying strip and with the rib of its channel rib projected upwardly, thence folding over the margin of the first strip to abut the margin of the second strip adjacent the rounded projected rib of the latter, tacking said margins of the superposed strips to the underlying support, and thence folding over the second strip into abutment with said support, whereby as to each strip the metal is moved on a plurality of linear areas of fold within each channel rib to provide distribution of the folding movement of the metal to prevent fracture thereof and the folding is in the direction of projection of each channel rib.

2,568,470

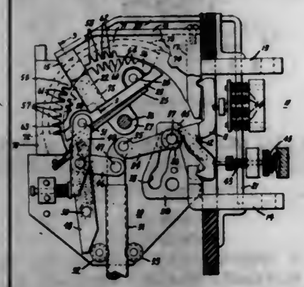
PROGRESSIVE ARC QUENCHER

Charles H. Titus, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application December 29, 1949, Serial No. 135,696
1 Claim. (Cl. 200—144)

In combination, a concave arcuate arc-quenching member provided with a series of alternate

slots and lands transverse the concave arcuate face thereof and having an arcuate slot formed circumferentially therein, a pair of axially spaced-apart arcing contacts embedded in the concave member with the ends of the contacts in substantial alignment with the lands on opposite sides of the arcuate slot, a convex arcuate arc-quenching member rotatably mounted in nesting relation with the concave member and provided with a series of alternate slots and lands transverse the convex face thereof and having a bridging contact movable therewith for engage-



ment with the spaced-apart arcing contacts, and means for rotating the convex member to disengage the bridging contact and draw arcs between the bridging contact and spaced-apart arcing contacts and progressively register the slots and lands of the rotatable convex arc-quenching member with the slots and lands of the concave insulating member to quench the arc therebetween, and having an arcuate barrier extending centrally therefrom into the arcuate slot formed in the concave member for separating the arcs.

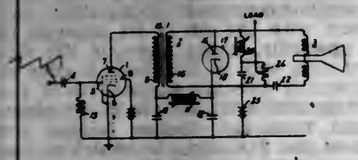
2,568,471

ELECTROMAGNETIC SCANNING SYSTEM

Charles E. Torsch and John B. Coullard, North Syracuse, N. Y., assignors to General Electric Company, a corporation of New York

Application November 10, 1949, Serial No. 126,630

7 Claims. (Cl. 315—27)



1. In an electromagnetic scanning circuit of the type employing a sweep transformer having a ferromagnetic core surrounded by primary and secondary windings and also employing power supply means for passing continuous unidirectional currents through said two windings which produce unequal opposing fluxes, whereby said transformer core tends to be operated at a point unsymmetrically positioned on the B/H curve of said core, means for increasing the linearity and efficiency of said transformer comprising an auxiliary direct current load circuit connected in series with said secondary winding, said load circuit having a predetermined admittance value sufficient to cause an additional component of continuous unidirectional current to flow through said secondary winding of proper polarity and of magnitude sufficient to equalize said fluxes, thereby to shift the operating point of said core substantially to the center of the B/H curve thereof.

2,568,472

OIL COMPOSITIONS CONTAINING AMINE SALTS OF ACID COMPOUNDS OF BORIC ACID AND HYDROXY CARBOXYLIC ACIDS

Charles E. Trautman, Cheswick, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application January 12, 1950, Serial No. 138,256

8 Claims. (Cl. 252—33.6)

1. A composition of matter comprising a major proportion of a hydrocarbon oil and a minor proportion of an amine salt of an acid compound of boric acid and a hydroxy carboxylic acid in which the hydroxyl group and the carboxylic acid group are separated by no more than two carbon atoms, said amine salt being present in an amount ranging from about 0.001 per cent by weight to the limit of its solubility in said oil.

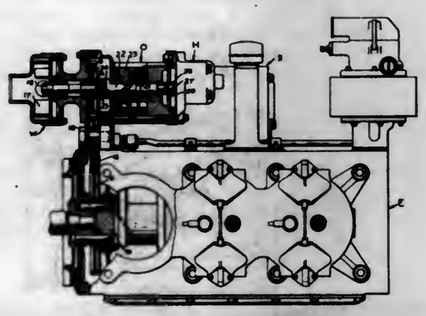
2,568,473

COMBINATION INTERNAL-COMBUSTION ENGINE AND ACCESSORIES

Preston T. Tucker, Ypsilanti, Mich., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware

Application November 18, 1947, Serial No. 786,723

12 Claims. (Cl. 123—195)



1. In combination, an internal combustion engine including a crankshaft, a starter-generator unit, a gear on the crankshaft, a gear on the starter-generator unit, gear means permanently in mesh with the gears on the crankshaft and on the starter-generator unit permanently drivably connecting them, a fluid pump to supply fluid for operation of the engine, and a permanent driving connection from the pump to the gear means.

2,568,474

AUTOMATIC WATER HEATER FOR BEVERAGES

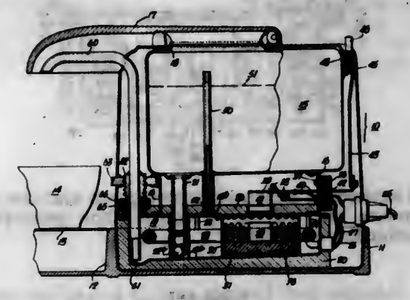
Edwin P. Van Sciver, Philadelphia, Pa., assignor of one-third to Earl T. Van Sciver, Glenside, and one-third to Wesley J. Van Sciver, Wynnewood, Pa.

Application April 28, 1949, Serial No. 90,205

19 Claims. (Cl. 219—39)

1. In a device for heating and discharging measured quantities of a liquid for beverage and like purposes, a reservoir for liquid to be heated, a tank dimensioned to contain a predetermined quantity of liquid connected to said reservoir to receive liquid therefrom, liquid discharge means leading from said tank and operable under elevated vapor pressure of the liquid to discharge a measured quantity thereof, means to heat the

liquid in said tank to elevate the vapor pressure thereof, a float in said tank, and means respon-



sive to movement of said float in the tank to control the liquid heating means.

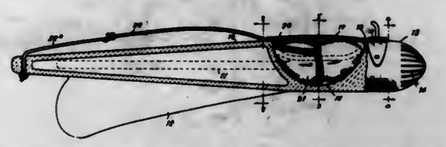
2,568,475

TOY PARA-ROCKET

Guy G. Vaughan, Norwalk, Ohio

Application September 20, 1946, Serial No. 698,296

2 Claims. (Cl. 46—86)



1. A toy of the character described including a rocket adapted to be propelled into the air and comprising a rearwardly tapered, cigar-shaped fuselage, the forward larger end of which is solid and the remainder of which is hollow, so as to cause the rocket to descend with its forward end down, there being a half-round cavity in one side of the fuselage near its larger end, a flexible rubber door of semi-circular cross-sectional shape normally covering said cavity, said rubber door having a reduced forward end connected to the fuselage and providing a flexible hinge, the rear end of the rubber door being of increased thickness to provide a weight to cause the door to be opened by gravity when the rocket is inverted, and a parachute having shrouds connected to the rear end of the fuselage, said parachute being normally folded and contained in said cavity and adapted to be released when the door opens.

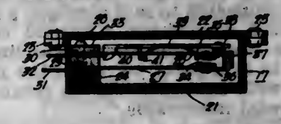
2,568,476

CUTOUT SWITCH FOR MOTORS

William F. Weirich, Philadelphia, and Henry Weirich, Lenni, Pa.

Application August 27, 1947, Serial No. 770,870

4 Claims. (Cl. 200—88)



2. A switch device, comprising a pair of adjacent resilient arms supported at one end and carrying contacts at their other ends, the contacts being normally open, one of said arms being formed of bimetallic material so as to flex in the direction of the second arm under the influence of heat caused by current flow when the contacts are closed, a magnetic arm adjacent said second arm, said magnetic arm being supported at its end adjacent the supported end of said second arm, the other end of said magnetic arm being free, and a bowed leaf spring having its ends engaging said second arm and said magnetic arm so that the ends of the spring are shifted by movements of the latter two arms to cause snap closing and opening of said contacts in response to magnetic actuation of said magnetic arm and thermal actuation of the bimetallic arm.

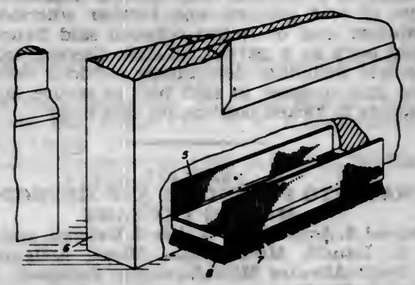
2,568,477

DOOR CHECK

Jesse V. Westlund, Daytona Beach, Fla.

Application January 31, 1949, Serial No. 73,703

5 Claims. (Cl. 292—288)



5. A door check comprising a wiping member, attaching means for the wiping member adapted for frictionally gripping the lower edge of a door for holding the wiping member in wiping contact with a floor which underlies the door, and adjusting means projecting upwardly from the top of the said wiping member and abutting a relatively stationary structure for vertically adjusting said wiping member.

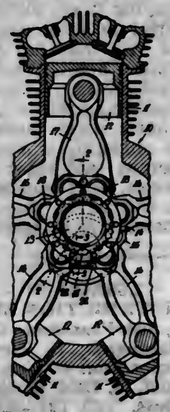
2,568,478

WRIST PIN RETAINER

Glenn D. Angle, Thomaston, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Application October 23, 1946, Serial No. 705,187

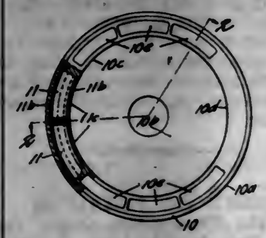
3 Claims. (Cl. 74—580)



1. In a cluster for coupling a plurality of connecting rods to a crankshaft, a hub including a main body and a radially outwardly extending flange at each longitudinal end thereof, the outer diameter of said flange being less than that of said body whereby radially inwardly extending

retainer-receiving grooves are defined between said body and said flanges, said hub including longitudinally extending wrist-pin-receiving bores through said body and through portions of said flanges whereby circumferentially spaced arcuate recesses are formed in said flanges, and wrist-pin retainers engageable in each of said grooves, each said retainer being circumferentially continuous and generally annular with a predominant inner diameter slightly in excess of the outer diameter of said flanges and having a plurality of radially inwardly extending arcuate projections circumferentially spaced about the axis of said retainer in accordance with the circumferential spacing of said bores, whereby one of said retainers may be axially inserted over a flange to a position substantially coplanar with one of said grooves, and further whereby said retainer may be locked between said flange and said body by a partial rotation thereof, said retainers including deformable portions deformable into recesses in said hub to secure said retainers in locked position on said hub.

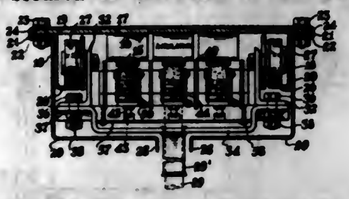
2,568,479
MAGNETO STRUCTURE AND METHOD OF MAKING THE SAME
Daniel A. Armstrong, Walter J. Raleigh, and John C. Bandli, Minneapolis, Minn., assignors to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application August 9, 1948, Serial No. 43,318
6 Claims. (Cl. 171—209)



1. The method of making a magneto structure comprising a rotor which consists in providing a pair of magnets having polar faces at one side thereof constructed to be disposed at one side of an air gap, spraying finely divided fused highly magnetic material onto the polar faces of said magnets to cause said material to adhere very firmly to said faces, holding said magnets in spaced relation and casting a rotor of magnetic material about said magnets with the sprayed material on the outer polar faces of said magnets very closely engaging a magnetic portion of said rotor whereby said rotor forms a magnetic path between said magnets and said sprayed material will be at the side of an air gap when said magnet is in operation.

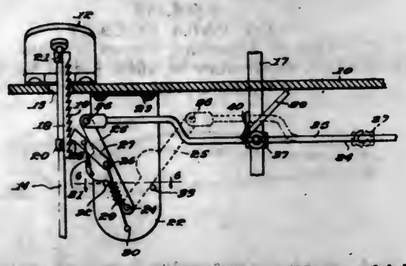
2,568,480
POWER DISTRIBUTION SYSTEM
Charles E. Barkis, San Francisco, Calif., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application August 14, 1946, Serial No. 690,581
3 Claims. (Cl. 191—23)

1. A distribution duct comprising a top plate, side members of substantially Z-shaped cross-section having feet secured to the edges of the top plate and providing inwardly projecting supporting tracks for the rollers of a trolley collector, means arranged at intervals along the top plate for supporting bus bars and cover sections having flanges secured to the edges of the top plate



and extending beneath the top plate and the side members but leaving a slot for the passage of distribution conductors.

2,568,481
ACCELERATOR CONTROLLING DEVICE
Carmelo Joseph Bianca, Sr., Indianola, Miss.
Application August 25, 1949, Serial No. 112,387
1 Claim. (Cl. 192—3)

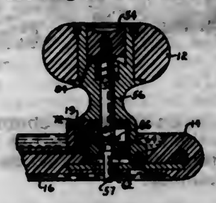


In a vehicle, the combination with a vehicle floor board, an accelerator pedal, an accelerator lever connected to said accelerator pedal and extending through said floor board, a steering column, a brake pedal, a lever connected to said brake pedal and extending through said floor board, of a device for releasably holding said accelerator pedal immobile in its adjusted position, said device comprising a rack bar connected to the accelerator lever, a plate arranged below said floor board and secured thereto, an arm pivotally connected to said plate, a pair of pins arranged on the plate on opposite sides of the arm to limit the movement of said arm in relation to said plate, a link pivotally connected to said arm and mounted for movement into and out of engagement with said rack bar, a push rod rotatably connected to said steering column for moving said link to engagement with said rack bar, means embodying a plate connected to the brake pedal lever for moving said link out of engagement with said rack bar upon depression of said brake pedal to permit normal use of the accelerator, resilient means for normally urging said link into engagement with said rack bar, said last-named means comprising a coil spring having one end connected to said link and its other end connected to said arm and a second resilient means comprising a second coil spring having one end connected to said link and its other end to said plate, to retain the link in engagement with said rack bar to retain said accelerator pedal immovable.

2,568,482
SWITCH
Otto J. Blomberg, Chicago, Ill.
Application March 10, 1948, Serial No. 14,011
1 Claim. (Cl. 200—159)

A switch for automobiles, including a push button, a circuit closer operated thereby, a spring

controlled means being part of the circuit closer, associated with the button, means for locking the spring controlled means in open circuit and out of electrical contacting position when not in use, a supporting rod connected to the button for manipulating said locking means, said rod forming part of the locking means, an annular groove



in the rod and a spring-pressed ball adapted to ride in the groove, the button being adapted to be used to hold the spring controlled means in open position after release of the locking means, the rod having an extension projecting below the switch housing whereby it and its connected control button can be manipulated into desired position.

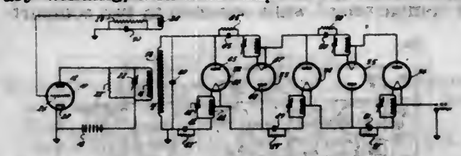
2,568,483
NUT LOCK
Wilfred L. Bonin, Woonsocket, R. I.
Application May 20, 1946, Serial No. 670,924
1 Claim. (Cl. 151—10)



In a nut lock arrangement, a threaded bolt having at least one longitudinal groove extending across the threads, and a nut having an internally threaded bore for engaging the bolt, said nut having linear sides and a channel substantially perpendicular to the bolt axis and including a narrow slot portion along one side and a triangular slot portion across one corner and into the bore, an L-shaped lock lever having its inner end formed with spaced teeth of a V shape, the outer end of the lock lever being positioned in the narrow slot portion, and the lock lever being pivotally mounted in the triangular slot portion intermediate the lever ends, one tooth of the lock lever inner end being adapted to enter the bore and seat in the bolt groove and the other tooth being adapted to contact one side of the triangular slot portion to limit bore-entering movement of the first tooth, said nut having a bore positioned diametrically opposite the lever inner end in the plane of the narrow slot portion and extending inwardly therefrom, and a spring pressed plunger movably seated in said bore and engaging the outer end of the lock lever to urge the lock lever outer end outwardly and the inner lock lever end inwardly into the internally threaded bore.

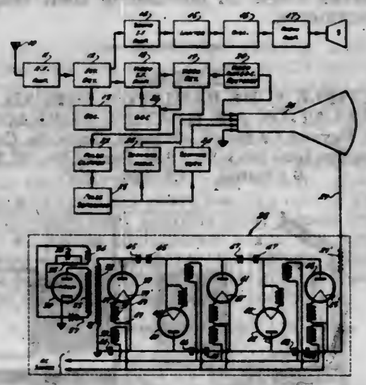
2,568,484
POWER SUPPLY
John M. Cage, Montclair, N. J., assignor to Cage Projects, Inc., Union City, N. J., a corporation of New Jersey
Application October 4, 1947, Serial No. 777,955
13 Claims. (Cl. 321—2)

3. A high voltage power supply for television reproducing tubes comprising a source of radio frequency energy including a radio frequency transformer having a secondary winding thereon, at least two rectifier tubes connected to form a voltage multiplier circuit powered by the radio frequency energy induced in said secondary winding, and individual filament circuits at



the base of each tube for heating the filament of its associated tube, said tubes being placed side by side with each tube inverted with respect to its adjacent tubes and dielectric partitions between adjacent tubes.

2,568,485
POWER SUPPLY FOR IMAGE REPRODUCING TUBES
John M. Cage, Montclair, N. J., assignor to Cage Projects, Inc., Union City, N. J., a corporation of New Jersey
Application November 29, 1947, Serial No. 788,818
7 Claims. (Cl. 321—2)

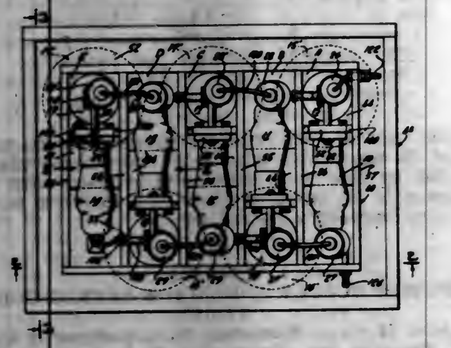


1. A radio frequency powered voltage multiplier-rectifier comprising a dielectric panel having at least two rectifier tubes mounted transversely thereof with each successive tube inverted, a plurality of dielectric barriers fastened to said panel and forming individual compartments for said tubes, at least two condensers supported by said barriers and transversely of the tubes, said condensers and tubes being connected to each other and with a radio frequency oscillator to form a multiplier, rectifier circuit, an iron core coil mounted at the base of each tube with its terminals connected to the tube filament, and at least one magnetic field generating coil disposed on the other side of said panel, said last mentioned coil being connected with a relatively low frequency alternating current source whereby the field generated thereby induces sufficient voltage in each filament coil to heat the filaments of said tubes independently of the radio frequency oscillator.

2,568,486
HIGH-VOLTAGE POWER SUPPLY
John M. Cage, Montclair, N. J., assignor to Cage Projects, Inc., Union City, N. J., a corporation of New Jersey
Application July 6, 1949, Serial No. 103,276
7 Claims. (Cl. 321—2)

1. A high voltage power supply comprising two or more voltage multiplying stages with each

stage including at least one tube and condenser mounted to form a separate and independent structure, individual compartments for each stage including at least one opening in each of the compartment walls common to two compart-



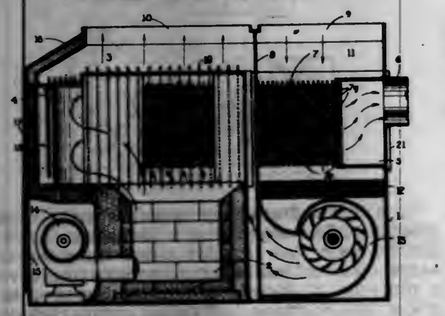
ments and connections between the stages with at least one of the connections between successive stages passing through the openings to hold the connected stages in position in their respective compartments.

2,568,487

MULTIPLE TUBE RADIATOR FORCED CIRCULATION AIR HEATING FURNACE

Allan Bryson Carswell, Ottawa, Ontario, Canada

Application May 13, 1948, Serial No. 26,789
6 Claims. (Cl. 126—110)



1. A furnace comprising a fire pot fueled from the front and dome surmounting the same, a transversely disposed chamber forward of said dome in communication therewith, a transversely disposed outlet manifold to the rear of said dome, removable banks of horizontal tubes on each side of said dome connecting said chamber and manifold and a casing therefor with an inlet at the upper rear portion and an outlet at the upper front portion thereof and having an air passageway therethrough beginning over the rear of said banks of tubes and subsequently crossing the forward ends of said banks of tubes.

2,568,488

VARIABLE LENGTH FISH LURE

George A. Cummins, San Francisco, Calif.

Application December 26, 1947, Serial No. 794,067
9 Claims. (Cl. 43—42.09)

6. In a fish lure, a plurality of centrally apertured disks mounted on a rod, said rod and said apertures being non-circular whereby said disks are non-rotatable relative to one another, means on the rod for clamping the disks tightly together in abutting relation, said disks having registering off-center perforations communicating with one another when the disks are clamped together



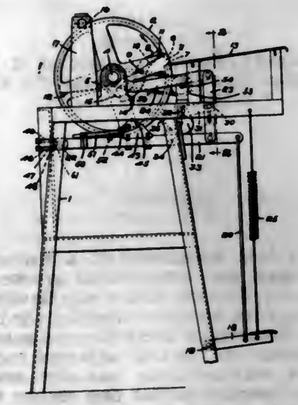
thereby to form an elongated chamber whose axis is parallel to the axis of said rod but spaced radially therefrom, and a removable ballast material in said chamber.

2,568,489

MACHINE FOR SKINNING FISH FILLETS

Joseph J. Duggan, Wollaston, Mass., assignor of one-third to David S. Blank and one-third to Duncan J. Banks, both of Quincy, Mass.

Application December 28, 1946, Serial No. 719,083
5 Claims. (Cl. 17—4)



1. A machine for skinning fish fillets comprising a frame, a rotary drum mounted thereon and having a slot, means operably associated with said drum including a one-revolution clutch to rotate the drum and bring it to rest at the end of each rotation, a spring-actuated clamping member carried by the drum and cooperating with one wall of said slot for clamping the end of a fillet in said slot, means holding the clamping member inoperative when the drum is in its position of rest, manually operated means to render the clamping member operative while the drum is at rest and while the clutch is still disengaged, and means associated with said manually operated means to render the clutch operative after the clamping member has become operative.

2,568,490
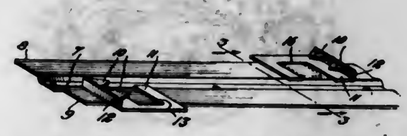
MEANS FOR MOUNTING WALL AND CEILING PANELING

Edward W. Dunham and Wallace A. Wiegert, Floral Park, N. Y.

Application November 14, 1949, Serial No. 127,132
1 Claim. (Cl. 20—15)

A clip for securing wall paneling on a furring strip of thin, flat material having a central nail penetrable portion for flat attachment over a wall structure and forwardly offset, thin, flat flanges along the edges of the same at opposite

sides of said central nailing portion and supported thereby in closely spaced, substantially parallel, forwardly offset relation in front of the wall structure over which the furring strip is secured, and comprising a wall panel supporting clip for engagement over one of the edge flanges of said furring strip and including a flat piece of thin, springy sheet metal having a substantially rectangular base portion engageable over the front of one of said edge flanges, said base portion being slitted inward from one edge in generally parallel lines defining an intermediate spring tongue between separated sections of the base, said intermediate spring tongue being offset rearwardly at the back of said base portion a distance approximating the thickness of said edge



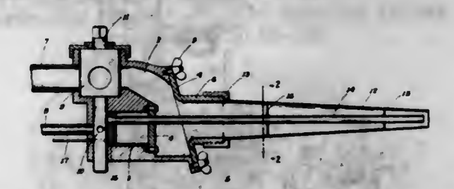
flanges for engagement over the back of said edge flanges to yieldingly confine the base portion in slidable engagement on said flanges and said base portion further having a forwardly offset extension at one edge of the same terminating in a wall panel penetrating point projecting in closely spaced, substantially parallel relation across the front of said base portion in position for entry in the edge of a wall panel placed in supported engagement over the front of said furring strip, and said base portion further being slit inwardly from the opposite edge and in the opposite direction from the first mentioned slits, providing a second, reversely extending tongue enabling complete reversal and use of the clip in various positions on both edge flanges of the furring strip.

2,568,491

SAUSAGE-CORE FORMING MACHINE

Lorin G. Edwards, Woodlake, Calif.

Application February 24, 1947, Serial No. 730,520
2 Claims. (Cl. 17—35)



1. In a sausage forming machine, a stationary tapered sausage meat feeding tube through which meat is fed under pressure and having an outlet at its small end, and a condiment feeding tube of small diameter relative to said outlet extending lengthwise in the meat tube and initially terminating within said meat tube adjacent its outlet, means slidably mounting the condiment tube on the machine for axial movement in the meat tube to enable said condiment tube to be advanced when in operation through and beyond the meat tube outlet a predetermined distance, a fixed condiment supply conduit on the machine, and means on the machine interposed between the condiment tube and conduit and including a member connected to said tube, functioning upon feeding of condiments under pressure from said conduit to thus advance said condiment tube.

2,568,492

ADJUSTABLE NOZZLE

Michael S. Gallick, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application April 16, 1949, Serial No. 87,858
6 Claims. (Cl. 299—149)



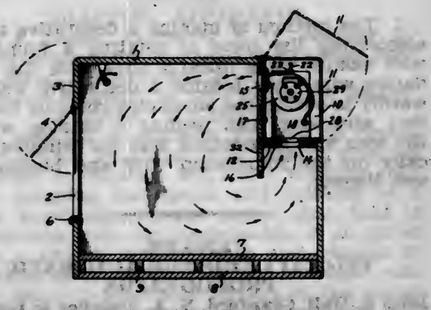
1. An adjustable nozzle for blowing a stream of gaseous medium in an oblong shape and variable cross section comprising an elongated closed chamber, an intake therefore, a pair of juxtaposed longitudinally extending blades in the wall of said chamber defining an opening, means for moving said blades in the direction transverse to the longitudinal axis of said chamber thereby to adjust the overall width of the stream forced through said opening, and means for adjusting at points distributed along the longitudinal axis of said chamber the effective parallel spacing between portions of said blades throughout said adjustment of overall widths.

2,568,493

THERMOTEST CABINET

James O. Garrison, Dayton, Ohio, assignor to Garrison Machine Works, Inc., Dayton, Ohio, a corporation of Ohio

Application April 19, 1947, Serial No. 742,536
5 Claims. (Cl. 219—19)



4. The method of manufacturing, inspecting or assembling precision parts, including the steps of placing the parts in a relatively small, illuminated box or compartment providing access for the hands of the operator, and establishing and maintaining a temperature level in said box approximately equal to the body temperature of the operator.

2,568,494
VEHICLE HEAD LAMP
John O. Geisbuhler, South Euclid, Ohio, assignor to General Electric Company, a corporation of New York
Application June 30, 1949, Serial No. 102,195
7 Claims. (Cl. 240—41.4)



5. A headlamp lens divided into a series of horizontal primary flutes of relatively large size for vertically spreading the light beam therefrom, and a series of smaller vertical secondary flutes superimposed on each of said horizontal flutes, each of said vertical flutes being of progressively increasing light spread throughout its vertical extent to horizontally spread the resultant light beam therefrom throughout a wider angle at the bottom than at the top whereby to produce a beam pattern of approximately inverted keystone shape.

2,568,495
MANUFACTURE OF FESTOONS
George E. Goodwin, Attleboro, Mass., assignor to Miller Electric Company, a corporation of Rhode Island
Application June 1, 1949, Serial No. 96,422
9 Claims. (Cl. 41—10)



1. The method of making a decorative article, comprising the steps of rotating a foundation wire axially while linearly advancing the foundation wire, then feeding a decorative web forwardly to overlie the advancing rotating foundation wire, and then feeding a binding wire to the web and foundation wire for winding helically on the foundation wire and binding the web thereto.

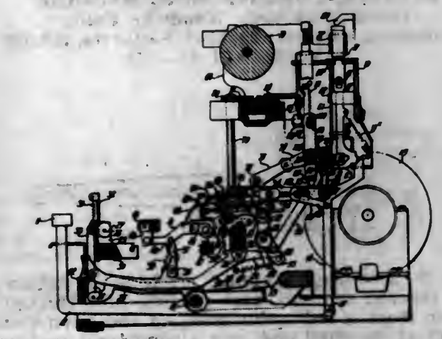
2,568,496
VELOCITY TRIP FOR AUTOMATIC PHONOGRAPHS
John S. Hall, Cranford, N. J., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey
Application February 14, 1947, Serial No. 728,674
9 Claims. (Cl. 274—10)

1. A velocity trip for a phonograph comprising a turntable, a tone arm movable over a record thereon, a rotating cam, a cammed member frictionally connected to said tone arm and movable thereby toward and into contact with said cam as said tone arm moves inwardly over said record, said cam being effective to move said cammed member in the opposite direction, a normally stationary cam wheel provided with a mutilated section and effective when rotated to control a record changing sequence, rotating means for said cam wheel normally rotating within said mutilated section out of engagement with said cam wheel, initiating means comprising an element movably mounted on said cam wheel and, in one position, cooperable with said rotating means for moving said cam wheel into engagement with said rotating means, and latch means movably mounted on said cam wheel and, in one



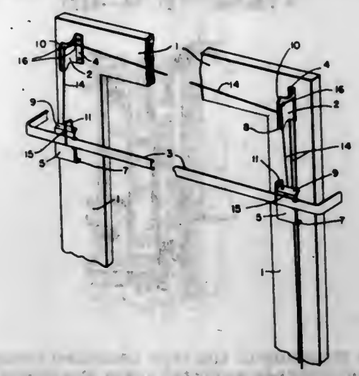
position, effective to hold said element out of cooperation with said rotating means, and tripping means effective to positively move said latch means from said one position to release said initiating means into cooperation with said rotating means, said tripping means being mounted on said cammed member and engageable with said latch means only on abnormal movement of said cammed member toward said cam when said tone arm is moved rapidly inward, said tripping means thereafter positively moving said latch means to release said initiating means when said cammed member is moved by said cam in said opposite direction.

2,568,497
CARRIAGE RETARDING DEVICE
William F. Helmond, Clinton, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application October 14, 1948, Serial No. 54,439
11 Claims. (Cl. 197—64)



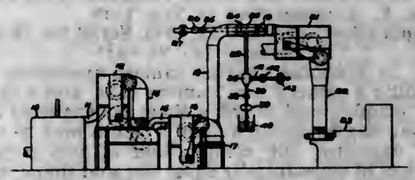
4. In a machine of the class described having a carriage, an escapement mechanism therefor, and tabulating mechanism to free said carriage from said escapement mechanism, the combination of a brake member driven from said carriage, a retarding means engageable with said brake member, means operated by said tabulating mechanism to engage said retarding means with said brake member with a predetermined pressure, and means operated by said carriage in a predetermined zone of carriage travel to variably reduce said predetermined pressure.

2,568,498
CURTAIN HANGING MEANS
Carl W. Hess, Superior, Wis.
Application July 25, 1949, Serial No. 106,589
1 Claim. (Cl. 211—103)



Means for supporting curtains and the like on a window frame, comprising a rod adapted to carry a curtain, a pair of brackets adapted to be secured to said window frame in spaced aligned relation, a pair of plates secured to said rod to correspond with said brackets, and cords secured to said plates and slidably engaging eyes in said brackets for lowering said plates and rod from said brackets and raising same to be engaged against said brackets, said plates having a hook-shaped lower portion, said brackets having a downward projection to catch said hook-shaped portion of said plates, said brackets having an inwardly inclined edge, and said plates being shaped to substantially correspond with the shape of said inclined edge of the brackets to support the weight of said rod and curtain when said plates are held against said brackets.

2,568,499
METHOD AND APPARATUS FOR APPLYING LIQUIDS TO TEXTILE FIBERS
Ralph S. Hood, Marblehead, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application February 28, 1950, Serial No. 146,666
11 Claims. (Cl. 19—66)



2. A continuous method of applying liquids to textile fibers which comprises continuously bringing textile fibers prior to their formation into a lap into contact with an air stream which is moving at sufficient velocity to pick up the fibers and convey them in a suspended state, directing the air stream containing the suspended fibers through a passageway provided with at least one narrow portion which terminates in an opening of substantially smaller cross-sectional area than the cross-sectional area of said passageway, continuously discharging a jet of air into the moving air stream in the same direction that the air stream is moving and at such a point in the line of travel of the air stream and at sufficient velocity to accelerate the fibers in their passage through the narrow portion of said passageway, and subjecting the fibers in said air stream to a spray consisting of fine droplets of liquid while the fibers are being accelerated by the jet of air and before they emerge from the narrow portion of said passageway.

2,568,500
FLUOROCARBON ALDEHYDES AND THEIR MONOHYDRATES
Donald R. Husted, St. Paul, and Arthur H. Ahlbrecht, White Bear Township, Ramsey County, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application October 6, 1949, Serial No. 120,008
7 Claims. (Cl. 260—601)

1. As new compositions of matter, the non-cyclic reactive fluorocarbon compounds of the class consisting of the fluorocarbon aldehydes having the formula $C_nF_{2n+1}CHO$ and the corresponding fluorocarbon aldehydrols having the formula $C_nF_{2n+1}CH(OH)_2$, said compounds having from 2 to 18 carbon atoms in the molecule.

2,568,501
DIACYL ESTERS OF FLUOROCARBON ALDEHYDROLS
Donald R. Husted, St. Paul, and Arthur H. Ahlbrecht, White Bear Township, Ramsey County, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application September 25, 1950, Serial No. 186,690
10 Claims. (Cl. 260—486)

1. As new compositions of matter, the reactive non-cyclic diacyl esters of the fluorocarbon aldehydrols, having the generic formula:

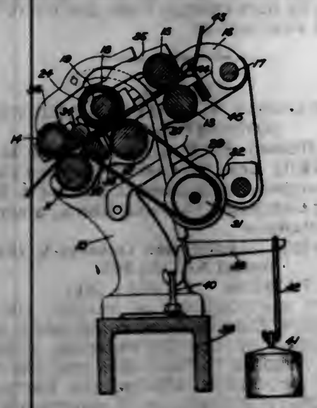
$$R_fCH(OOCR)_2$$

where "R_f" is a fully fluorinated alkyl group containing one to twelve carbon atoms, and "R" is a hydrocarbon group of the class consisting of alkyl and alkylene groups containing one to twelve carbon atoms.

2,568,502
DRAFTING APPARATUS
Robert F. Jessen, Lancaster, S. C., assignor, by mesne assignments, to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application February 25, 1947, Serial No. 730,834
4 Claims. (Cl. 19—131)

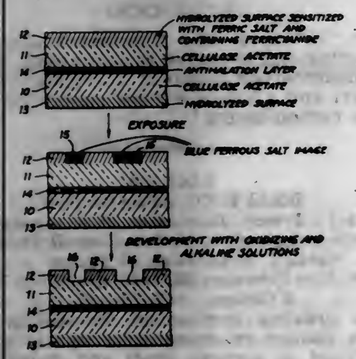
1. A drawing mechanism for use in textile frames having retaining rolls tightly gripping the strand to undergo draft and drawing rolls tightly gripping the strand and rotating at a surface speed substantially higher than that of the retaining rolls, the combination of an apron having a stretch lying beneath and parallel to the strand as it passes from the retaining rolls to the drawing rolls, said stretch of the apron supporting the strand in the drafting zone and being spaced from the nips of the retaining and drawing rolls, means for advancing the apron at a surface speed between those of the retaining and drawing rolls, said means including a driven roll within the apron and a roll having end portions pressing the edges of the apron tightly against the driven roll and a relatively light cylindrical central portion floating relatively to the end portions and adapted to rest

upon and press the strand against the apron, a bar within the apron supporting it with the forward end of said stretch close to the nips of the drawing rolls, and a light roll adapted to



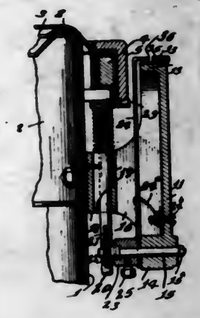
press the strand against the apron above the bar, the light roll and said light central portion being operable to restrain fibers not gripped by the drawing rolls, while permitting free passage of fibers, which are gripped by the drawing rolls.

2,568,503
CELLULOSE ESTER LITHOGRAPHIC PRINTING PROCESS
William O. Kenyon and John A. Cathcart, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1949, Serial No. 75,452
8 Claims. (Cl. 95—5.4)



1. The method of forming a design on a cellulosic surface for printing purposes, which comprises sensitizing a hydrolyzed surface layer of a cellulose organic acid ester sheet with a ferric salt reducible with light of the blue and ultra-violet regions of the spectrum but incapable of oxidation of hydrolyzed cellulose organic acid ester to the alkali removable state in the presence of said light, exposing said sensitive layer under a design thereby producing a ferrous salt image in the exposed areas, treating the exposed layer with an oxidizing agent oxidizing said hydrolyzed cellulose ester layer only in the region of said ferrous salt image and removing the oxidized material with an alkaline solution.

2,568,504
TONE INDICATING MECHANISM FOR KETTLEDRUMS
William F. Ludwig, River Forest, Ill.
Application March 2, 1950, Serial No. 147,298
4 Claims. (Cl. 84—419)

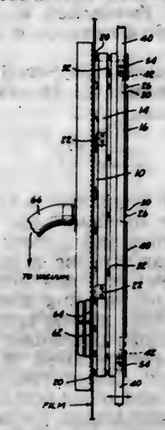


1. A structure of the type described comprising a frame member mounted upon the drum kettle adjacent its upper edge, a bearing in said frame member, a horizontal rock shaft disposed radially of said kettle in said bearing and equipped with a spur gear pinion, and indicating hand equipped with a hub rotatably mounted upon said shaft, a set screw mounted in said hub for engagement with said shaft, a vertical bearing in said frame member disposed above said first-named bearing, a vertically reciprocable plunger non-rotatably mounted in said bearing and equipped at its lower end with a rack bar meshing with said pinion, and at its upper end with a head, a compression spring interposed between said vertical bearing and said head to maintain the latter engaged with the lower edge of the drum head tensioning means of the drum, an arcuate member concentric with said shaft mounted upon the top of the frame member, a series of indicia bearing members slidably and manually adjustably mounted upon said arcuate member and associated with said hand, and a spring engaged with said frame member and said hand to maintain the latter yieldingly at one limit of its movement.

2,568,505
CONTACT SCREEN HALFTONE CAMERA
John D. Maxwell, Glen Head, N. Y., assignor to Powers Photo Engraving Company, Glen Cove, N. Y., a corporation of New York
Application November 13, 1948, Serial No. 59,873
2 Claims. (Cl. 95—81)

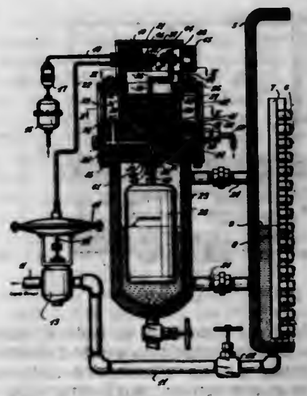
1. In a photoengraving camera apparatus, including a camera lens, camera rails, and a backing member over which a sheet of sensitized material may be moved and on which it may be held for exposure, the combination of two parallel frames of substantially equal size and shape, each positioned in the optical axis between the lens and the backing member, the plane of each frame being perpendicular with said optical axis, means cooperating with one of said frames and said camera rails for positioning that frame in said perpendicular plane, one of said frame members being provided with guide members extending parallel to said optical axis and cooperating with the other frame for relative movement to and away from one another along the optical axis, whereby said frames are always maintained in a proper parallel relation to one another, resilient means for urging said frames away from one another along said guides, stop means for limiting the movement of said frames away from

one another, said frames being movable together along the optical axis without varying their posi-



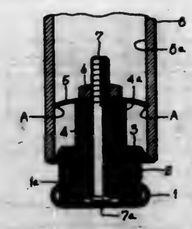
tions relative to one another, and contact screen mounted in the frame adjacent said backing member.

2,568,506
LIQUID LEVEL CONTROL MECHANISM
William M. Mercer, Los Angeles, Calif.
Application March 10, 1947, Serial No. 733,591
3 Claims. (Cl. 137—68)



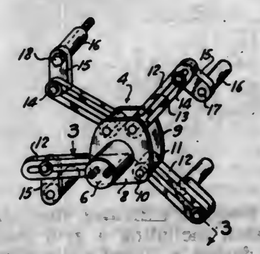
3. In a liquid level controller for vessels in which a liquid is partially evaporated and having a main valve for controlling the rate of flow of liquid therethrough actuated by pneumatic power controlled by a pilot valve, the combination of a float exposed to the liquid in the vessel to assume a position corresponding to the level of the liquid in the vessel, a valve chamber having a pair of opposed valve seats, one communicating with the gas above the liquid level in the vessel and the other communicating with a vent, a valve member actuated by the float between closing positions on each of said seats, respectively, to control the flow of gas through said vent in accordance with the position of said float and a pilot valve actuator for movement relative to said pilot valve, means exposing one side of said actuator continuously to the pressure of gas in said vessel to urge the actuator in one direction, and means exposing the opposite side of said actuator to said vent to apply pressure thereto in accordance with the position of said valve member.

2,568,507
SELF-RETAINING LEG MOUNT FOR FURNITURE
Robert Ellis Miller, Bronxville, N. Y.
Application February 23, 1950, Serial No. 146,808
6 Claims. (Cl. 16—42)



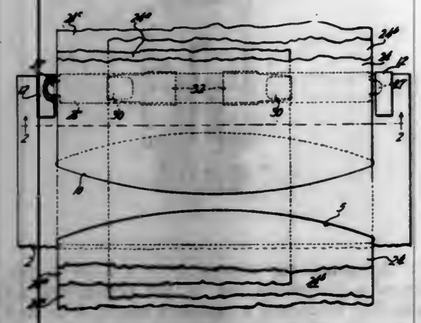
1. A mount for insertion in a hole in the bottom of a furniture leg, which comprises a floor-engaging element, a cushion secured to said element and positioned thereon to lie between the bottom of the leg and said element, a retainer seat of flexible, compressible material supported by the cushion and adapted to enter said hole, an assembly pin projecting upwardly from the cushion and through the seat, and a polygonal flexible retainer secured to the pin and held thereby with its central portion against the compressible seat, the retainer having sharp corners protruding laterally from the seat and being made of a hard material of sufficient size to cause said corners to engage and bite into the side walls of the leg hole.

2,568,508
MOTOR BLOCK ATTACHING MEANS FOR MOTOR STANDS
Gerald C. Montague, Urbana, Ohio
Application February 3, 1949, Serial No. 74,410
2 Claims. (Cl. 29—289)



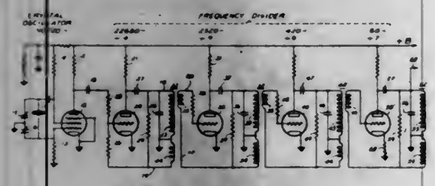
2. In an attachment of the class described, a trunnion for attachment to a carrying member and having a radial end flange, a plate in transversely spaced parallel relation to said flange, a plurality of pivot members connecting said flange and plate in spaced relation, arms mounted on said pivot members between said flange and plate for relative swinging movements in a plane parallel thereto, a link having a pivot attachment at one end of each of said arms for longitudinal and swinging adjustment relative thereto in said plane, a stud projecting from the other end of each of said links transverse thereto and having an axial bore therethrough for receiving means for attaching the stud to a motor block.

2,568,509
MANIFOLDING DEVICE
Walter R. Moore, Palmyra, N. J., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1948, Serial No. 11,160
3 Claims. (Cl. 282—3)



1. A manifolding device comprising a carrier formed of flexible sheet material, one or more carbon sheets attached to said carrier, a stop block on said carrier adjacent each lateral edge thereof, a bar extending across said carrier and detachably connected at its ends to said stop blocks, a pair of members slidably mounted on said bar, each of said members having a portion formed to provide a guide for an edge of a work sheet, and means for locking said members to said bar at any desired positions therealong.

2,568,510
FREQUENCY DIVIDER
Ernst Norrman, Williams Bay, Wis.
Application August 24, 1949, Serial No. 112,022
7 Claims. (Cl. 250—36)



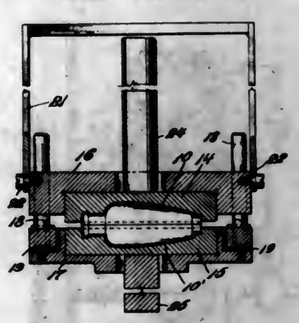
1. In a frequency divider, first and second oscillators each including a grid controlled space discharge device, a tuned plate circuit including the primary winding of a transformer, and a grid circuit including the secondary winding of such transformer, the plate circuit of the second oscillator being tuned to a frequency which is submultiple of the frequency to which the plate circuit of the first oscillator is tuned, and means whereby the first oscillator controls the second oscillator at said submultiple frequency, said means comprising a third winding on the transformer at the first oscillator and inductively related to the other windings thereon, and a connection between said third winding and the grid circuit of said second oscillator whereby the voltages induced in said third winding are superimposed on the voltages applied to the grid circuit of the second oscillator by the secondary winding of the transformer at the second oscillator.

2,568,511
CRAVAT HOLDER
John W. Ogden, Pawtucket, R. I., assignor to Irons & Russell Company, a corporation of Rhode Island
Application May 9, 1950, Serial No. 160,873
1 Claim. (Cl. 24—49)



A cravat holder comprising a back bar having a resilient finger to clamp the bar upon the edge of a shirt front and a front bar hinged at one end to the rear bar, one of said bars having the free end thereof provided with a rolled portion with a channel opening therethrough and the other of said bars having spaced rolled portions with a tongue positioned between said spaced portions and received in said channel opening when said spaced rolled portions are snapped over the said rolled portion of the other bar, and a lip on said tongue for manual engagement for separating said rolled portions from engagement.

2,568,512
ASSEMBLY OF SHELLS OF CONTAINERS
Alfred F. Reilly and Fritz Gengenbach, North Attleboro, Mass., assignors to Evans Case Co., a corporation of Massachusetts
Application August 21, 1948, Serial No. 45,534
1 Claim. (Cl. 219—10)



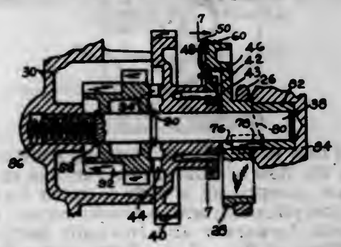
The method of forming a hollow container which comprises forming two welded electric current conducting pieces which are substantially halves of the container, surfacing the edges thereof, accurately moving said pieces toward each other into edge-to-edge relation by electrodes contacting throughout the surface areas of the halves, welding said pieces when in such relation at such points as contact to temporarily hold them assembled and then soldering the temporarily held pieces.

2,568,513
MULTIPLE INITIAL DEVICE
Morris Rossein, Providence, R. I.
Application June 15, 1949, Serial No. 99,250
4 Claims. (Cl. 40—143)



1. A multiple initial construction comprising a base, said base having a pattern of predeterminately spaced openings, a set of initials each having a pair of spaced pins extending at right angles from the rear thereof, said pins being positioned at different spaced intervals on different initials, and a background piece positioned between said base and said initials, said piece having spaced openings aligning with openings in the base pattern and in alignment with the pins on said initials, said pins extending through the openings in said piece and through the aligned openings in said base and being bent to lock said initials and piece to said base.

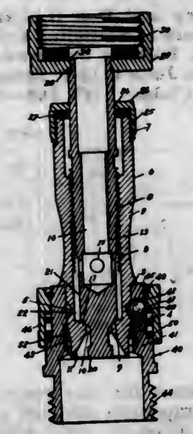
2,568,514
IRONING HEAD DRIVE
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Application February 24, 1948, Serial No. 10,501
2 Claims. (Cl. 74—48)



1. In an ironing machine transmission, a casing, a shaft slidably mounted therein, a driven shaft mounted therein in parallel spaced relation to said slidably mounted shaft, a main drive member on said slidable shaft having clutch teeth on one face, an ironing head operating eccentric on said shaft adjacent the other face of said drive member, means for axially moving said shaft in response to rotation of said eccentric, step gear means on said axially slidable shaft and movable axially therewith, and having face teeth adapted to engage or disengage said member face teeth upon axial movement of said shaft, gears meshing therewith on said driven shaft, a clutch device for connecting said eccentric to said drive member having a control lever, a manually movable abutment adapted to be positioned in and out of the path of said control lever, a casing supported stop extending parallel with said shafts to limit movement of said abutment, means for selectively coupling any one of said meshing gears to said driven shaft, and shifting means therefor, slidably mounted upon said casing supported stop.

2,568,515
COMBINED NOZZLE AND COUPLING MEMBER
Albert T. Scheiwer, Erie, Pa.
Application January 2, 1947, Serial No. 719,686
1 Claim. (Cl. 299—150)

A combined adjustable nozzle and coupling member comprising a cylindrical member having a reduced portion terminating in an outwardly flared portion in the open end thereof, an annular groove adjacent said reduced portion, an internally threaded portion, and an outer peripheral groove spaced a predetermined distance from the end of said nozzle on the outer periphery thereof for connection by the cams of a female coupling member; a threaded member threadably engaging the internally threaded portion of said cylindrical member having a longitudinally extending aperture terminating in laterally extending apertures leading to said grooved portion of said cylindrical member, said internal member and said grooved portion of said cylindrical member defining an annular swirling chamber, a seat on said internal member, and a headed portion on the end thereof for opening and closing the



reduced portion in the end of said cylindrical member, and a hose connection on the end of said internal member opposite to the end thereof having said seat, said cylindrical member being longitudinally movable by rotation thereof on said internal member to control the flow of fluid through the reduced opening in said cylindrical member.

2,568,516
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application May 19, 1948, Serial No. 27,951
9 Claims. (Cl. 284—19)



1. A coupling comprising a female member, camming members carried by said female member, a spring-urged camming sleeve for engaging said camming members, a sleeve telescopically disposed internally of said female member adapted to hold said camming members outwardly in the path of said camming sleeve when said female member is disengaged, a washer in said sleeve, a male member having an apertured connecting portion adapted to sealingly engage the washer in said female member and for moving said internal sleeve out of engagement with the camming members in said female member, having a peripheral groove for locking engagement with the camming members of said female member, and a telescopic sleeve movable on the connecting portion of said male member for sealingly engaging the aperture in said connecting portion of said male member upon disconnection thereof, said washer in the sleeve in said female member being engageable by said sleeve on said connecting portion of said male member upon a predetermined longitudinal movement of said sleeve in said female member to move said sleeve on said male member out of sealing engagement

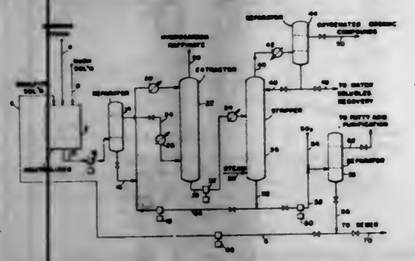
with the aperture therein whereby fluid flows from said male member to said female member and vice versa.

2,568,517

EXTRACTION OF ORGANIC OXYGENATED COMPOUNDS FROM HYDROCARBON MIXTURES

Lorld G. Sharp and Don R. Carmody, Renner, Tex., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application June 4, 1949, Serial No. 97,288
16 Claims. (Cl. 260—450)



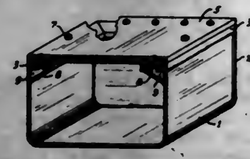
1. In a process for the recovery of organic oxygenated compounds selected from the group consisting of alcohols, aldehydes, and ketones from a hydrocarbon solution thereof, the steps which comprise contacting said solution with an aqueous extractant solution of a bisulfite compound and a mixture of fatty acid soaps, said extractant solution having a pH of from about 6.7 to about 9.0, and thereafter withdrawing the aqueous extract phase containing at least one of the aforesaid compounds in increased ratio to hydrocarbon.

2,568,518

GASPROOF RECEPTACLE

Edward P. Smith, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application August 15, 1947, Serial No. 768,765
4 Claims. (Cl. 220—75)



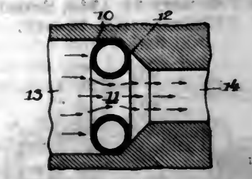
1. A gas proof receptacle comprising an open top recessed member with side and end walls forming right angled corners, an inwardly projecting flange secured directly to the recessed member at its rim formed by the edge of the walls and extending entirely around the periphery of the member, the outer face of the flange forming a continuous and even bearing surface with all points in a common plane and the said surface positioned above the said rim, the thickness of the flange being greater than that of the walls of the recessed member, a brace member extending around the recessed member within the recess thereof and secured to the flange and to the walls of the recessed member, the brace member being so welded to and associated with the flange and walls as to form a continuous closed conduit around the recessed member at the rim thereof, the walls forming one side of the conduit, the flange provided with a plurality of spaced threaded openings opening into the conduit, a cover member of metal positioned on the said outer face of the flange to close the opening in the recessed member, the cover member having non-threaded openings therethrough registering with the threaded openings in the flange, threaded fastening means in each opening to draw the cover member into close engagement with the bearing surface to prevent escape of ignited gases from within the receptacle.

2,568,519

AUTOMATIC FLOW REGULATOR

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application January 16, 1946, Serial No. 641,527
1 Claim. (Cl. 138—45)



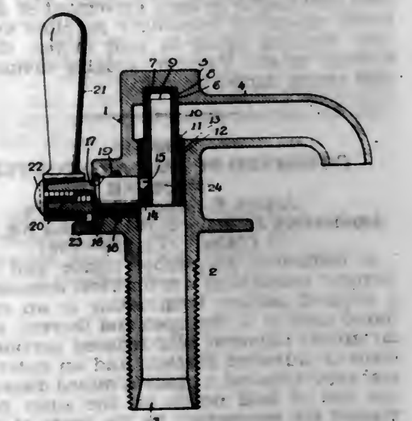
A fluid flow valve for maintaining substantially constant the flow of fluid under variable pressure conditions, comprising a body member having a passage therethrough with a frusto-conical shoulder therein forwardly and inwardly inclined in the direction of flow of the fluid, and a floating hollow toroidal resilient member having a fluid sealed therein disposed in the passage and seated against the shoulder by the pressure of the fluid, said member being provided with a central orifice defining a Venturi throat through which the incoming fluid flows and which decreases in area as the pressure of the incoming fluid acting on the upstream side of said member increases to thereby maintain the total flow therethrough substantially constant.

2,568,520

ECCENTRIC TYPE FAUCET

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application April 1, 1946, Serial No. 658,696
5 Claims. (Cl. 251—39)



1. In a faucet construction, a body provided with an inlet and an outlet for fluid and a recess

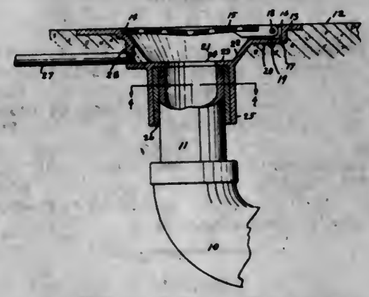
provided in the body opening toward the inlet and in alignment therewith, a valve therefor comprising a hollow valve plunger slidably mounted in the inlet and having a valve seat at its outer end, a resilient cup-shaped sealing element positioned within the recess and provided with an outwardly projecting annular sealing lip disposed inwardly from the entrance to the recess, whereby as the plunger is moved toward closed position the valve seat enters the recess before it has sealing contact with the sealing lip, and disengages the sealing lip before it leaves the recess as the plunger is moved to open position, and means for moving the plunger to closed and open positions, and when the plunger is in closed position limiting the amount of axial compression it applies to the sealing lip.

2,568,521

FLOOR DRAIN AND PRIMER

Roy Stauch, Sr., Portland, Oreg.

Application May 25, 1948, Serial No. 29,020
1 Claim. (Cl. 182—31)



A floor drain comprising a square plate having a circular opening therein, a funnel-shaped body integral with said plate and communicating with said opening, said opening having a counter-bore formed therein, a perforated strainer plate occupying said counter-bore having a radial lug extending therefrom, said plate having a channel-shaped boss on its under side opening into said counter-bore and into said funnel-shaped body, said lug occupying said channel shaped boss and having a hinge pin passing through said lug and boss, a tubular extension depending from said funnel-shaped body, an inturned flange extending inwardly around the lower end of said funnel, a soil pipe extending upwardly into said tubular extension and spaced from said extension and flange, a lead packing between said soil pipe and the interior of said tubular extension and the under side of said flange, said flange having a central opening equalling the inside diameter of the soil pipe, said funnel-shaped body having an outwardly extending vertical sided boss and a primer pipe threaded into the vertical side of said boss.

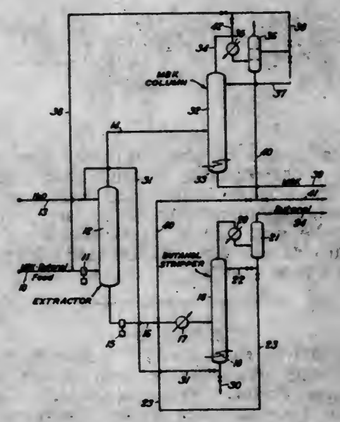
2,568,522

SEPARATION OF MIXTURES OF 1-BUTANOL AND METHYL N-BUTYL KETONE

Alfred Steitz, Jr., and David K. Barnes, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application November 27, 1948, Serial No. 62,262
10 Claims. (Cl. 260—593)

1. In a process for separating the components of a mixture of 1-butanol and methyl n-butyl ketone the steps which comprise extracting the mixture with water, recovering from said extracting step a second mixture comprising an increased proportion of methyl n-butyl ketone and a decreased proportion of 1-butanol, the proportion of methyl n-butyl ketone in the second mixture comprising more than the proportion of methyl n-butyl ketone in an azeotrope thereof



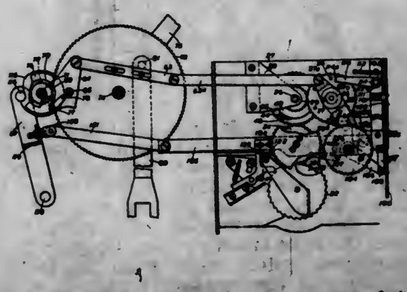
with 1-butanol, distilling 1-butanol from said second mixture as an azeotrope with methyl n-butyl ketone, and recovering substantially pure methyl n-butyl ketone as a bottoms fraction from said distilling step.

2,568,523

ZEROIZING MECHANISM

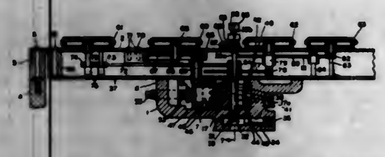
Arthur Thomas, Wallington, England, assignor to Powers-Samas Accounting Machines Limited, London, England, a British company

Application January 28, 1948, Serial No. 4,765
In Great Britain February 3, 1947
9 Claims. (Cl. 235—144)



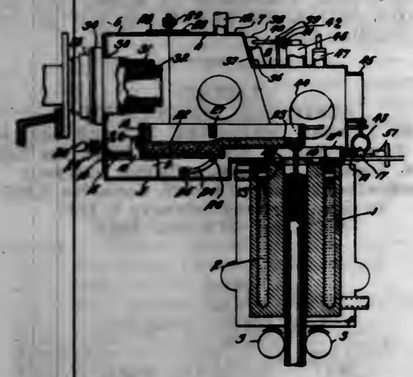
1. In a zeroizing device for an accumulator having in each order a resultant gear which by its angular position indicates the total of the amounts accumulated in the order, a zeroizing shaft, means to rotate said shaft, a plurality of discs secured to the shaft, one for each denominational order, a slotted pivoted lever for each disc, an operating pin extending laterally from each disc to cooperate with the slot in the associate lever, an arm for each denominational order, each said arm being pivoted about the axis of rotation of the associate resultant gear, a pawl pivoted to each said arm, a plurality of equispaced lateral zeroizing elements extending from each resultant gear for cooperation with the associate pawl, and connections between each said arm and its associate lever.

2,568,524
PRECISION MEASURING DEVICE
Joseph Verderber, Cleveland, Ohio
Application January 13, 1945, Serial No. 572,601
7 Claims. (Cl. 74—190)



1. In a device of the character described, a housing, a bar movable through said housing, a spindle directly engaging said bar, thrust elements in engagement with radial face portions of said spindle, and means for adjusting the degree of pressure of said elements on said face portions to permit free rotation of said spindle.

2,568,525
GAS HOOD FOR CASTING MACHINES
Ralph Henry Waddington and Albert George Wellblund, Sudbury, Ontario, Canada, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application October 2, 1948, Serial No. 52,572
In Canada June 5, 1948
2 Claims. (Cl. 22—79)



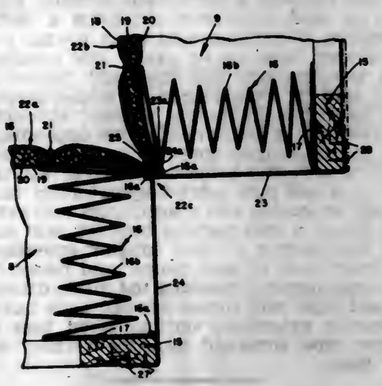
1. In a machine for continuously casting metal shapes having a furnace spout, a ladle removably supported adjacent said spout and positioned to receive molten metal therefrom and having an outlet end portion provided with an outlet opening from said ladle and a mold beneath the ladle outlet opening adapted to receive the effluent molten metal from the ladle outlet opening, the combination therewith of a sectional hood consisting of a base section coextensive with the assembly and formed with a marginal sealing channel and an opening underlying the ladle outlet opening and side and top wall sections consisting of a furnace spout section having gas sealed connection with the spout, a removable section enclosing the ladle outlet end portion and an intermediate section, said sections being united to provide a gas-tight unitary structure with the base section for enclosing said spout, said ladle and said outlet, said hood being provided with means for circulating inert gas therethrough including a perforated gas duct mounted on the base marginal portion to be coextensive with the side walls of the removable section, said base section being provided with adjustable supporting means for the ladle and having operating connections thereto extending externally of the hood, said removable section having its top wall in a plane lower than the top wall of the furnace spout and intermediate sections and being formed with a clean-out opening vertically aligned with the ladle outlet opening, a removable plug for the clean-out opening and readily detachable securing means for the removable section consisting of threaded bolts carried by brackets in one member and engaging slotted brackets in an adjacent member and having wing nuts threaded thereon to facilitate replacement of the ladle.

2,568,526
DISPENSER FOR HYGROSCOPIC MATERIALS
Robert W. Waring, Fairfield, Conn.
Application May 1, 1947, Serial No. 745,173
3 Claims. (Cl. 222—565)



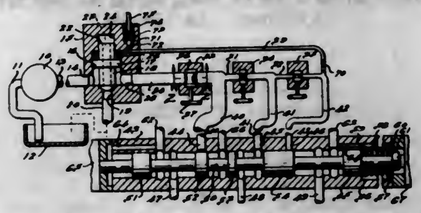
1. A unitary dispensing head for a container adapted to contain a powdered substance having an affinity for moisture in the region of that of salt, said head consisting of a body of material having the characteristic of low moisture absorption relative to the powdered substance within said container, and provided with a plurality of passages extending therethrough, said passage having a length diameter ratio of at least about 4, but not greater than about 10.

2,568,527
FURNITURE CONSTRUCTION
Nathan M. Weiss, Compton, Calif., assignor to Cali-Quilt Furniture Mfg. Co., Lynwood, Calif.
Application September 19, 1949, Serial No. 116,501
3 Claims. (Cl. 155—184)



1. In an article of furniture, a pair of rectangular frames disposed in side edge to side edge juxtaposition for relative swinging movement, coil springs mounted uprightly on said frames, a single upholstering pad element overlying both said frames and resiliently supported upon said springs, said pad element being stretched tautly over said springs and having its side and end marginal portions secured to said frames, and tension means between the contiguous edges of said frames drawing said pad element toward said frames against the pressure of said springs along a transverse line medially between the ends of said pad element, said tension means comprising a pair of flexible strips secured along one of their side edge portions to said pad element along said transverse line, one of said strips being secured along its opposite side edge portion to one of said frames and the other of said strips being secured along its opposite side edge portion to the other of said frames.

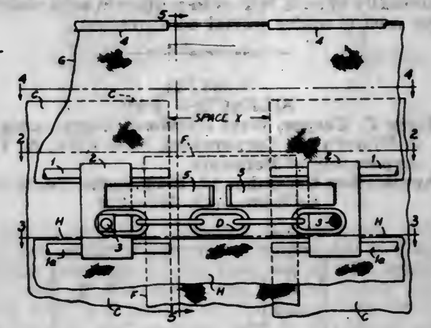
2,568,528
VALVE AND HYDRAULIC CIRCUIT THEREFOR
Benedict Welte, Lake Orion Township, Oakland County, Mich., assignor to Colonial Broach Company, Detroit, Mich., a corporation of Delaware
Application August 5, 1944, Serial No. 548,294
16 Claims. (Cl. 137—166)



2. A multiple flow control valve mechanism for use in controlling the operation of a plurality of successively operable fluid motors from a fluid pressure source consisting of a constant displacement pump, said mechanism including a control valve having a housing containing a valve plunger provided with a piston which divides the interior of the housing into two separate chambers, one of said housing chambers having an inlet port adapted to be connected to a source of fluid under pressure and a low pressure discharge port, said discharge port being controlled by said plunger, means defining a passageway leading from said inlet port to the other housing chamber, said passageway containing a plurality of spaced restrictions in series, the succeeding downstream restrictions being no greater in flow area than the preceding restrictions, a spring acting to cause said plunger to move in a direction to close said discharge port when the difference in pressure between said chambers tends to fall below a predetermined amount, and a plurality of outlet passageways connected to said first mentioned passageway, the points of connection of said outlet passageways with the first passageway being located one beyond each of said restrictions in the direction of flow.

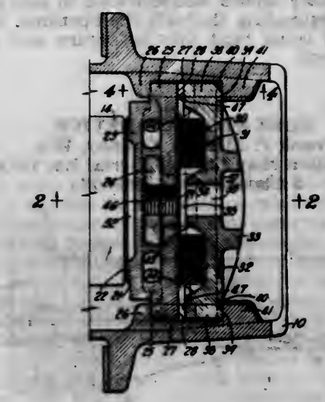
2,568,529
SIDE WALL SEAL FOR FLOATING TANK ROOFS
John H. Wiggins, Chicago, Ill.
Application November 5, 1945, Serial No. 626,854
2 Claims. (Cl. 220—26)

1. The combination of a liquid storage tank provided with a circular side wall which at times is liable to flex and go out of round, a circular roof adapted to be supported by the liquid in the tank, a sealing means for the space between the roof and the tank side wall comprising a flexible shoe composed of an annular row of segmetal shoe members, disposed vertically in sliding engagement with the tank side wall and with their ends at all times, separated by gaps, gas tight, fabric sealing elements attached to the end portions of said shoe members and bridging the gaps between said members, said sealing elements being of such width that said elements are substantially free of wrinkles when the gaps between said shoe members are of maximum width, a supporting mechanism for mounting said shoe members on the roof, having provision for permitting each shoe member to move radially and also move circumferentially a limited distance to the right and to the left, and co-operating push and pull devices on said shoe members constructed so as to co-act with each other to limit sidewise movement of said members to-



wards and away from each other for the purpose of controlling both the maximum and minimum width of the gaps between said shoe members and also to transmit movement from one shoe member to the other in a circumferential direction in the event the tank side wall flexes out of round and creates a force which is exerted in a circumferential direction on one or more groups of said shoe members, thereby causing all of the shoe members of said annular row to move as a unit, circumferentially of the roof, without substantially altering the width of the gaps between said shoe members.

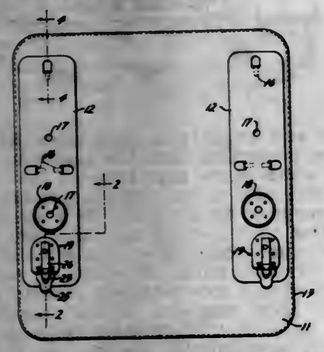
2,568,530
JOURNAL BOX END THRUST MEANS
Donald Willison, Willoughby, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application December 30, 1948, Serial No. 68,190
12 Claims. (Cl. 308—41)



1. In a journal box a journal extending therein, a thrust receiving member facing the end of said journal and adapted to engage therewith upon movement of said journal in a direction outwardly of the box, a stop member spaced out-

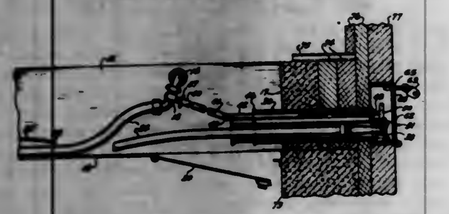
wardly of said thrust member, cushioning means interposed between said thrust member and said stop member, and inner and outer abutment means at the sides of said box, said thrust member being adapted to engage said inner abutment means to limit inward movement thereof relative to said box, said outer abutment means having cylindrically curved sockets, said stop member having correspondingly curved portions received in said sockets to permit said stop member to pivot with respect to said box, said inner and outer abutment means being so spaced longitudinally of said box as to maintain said cushioning means under initial compression.

2,568,531
SILENCING PAD
Harry C. Yaeger, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application December 17, 1948, Serial No. 65,839
1 Claim. (Cl. 248—22)



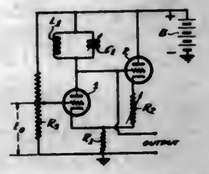
A silencing pad for typewriting and business machines comprising a cushion of fibrous material having a coextensive semi-rigid cover connected thereto, a plurality of aligned openings through said cushion and said cover, the openings in said cushion being larger than the openings in the cover, a pair of relatively rigid monoplanar plates each having a plurality of tabs and carrying means constructed and arranged to support a typewriter or business machine and to detachably secure said machine to said plates, the tabs extending through the openings in said cover and being bent over to secure said plates to said cover.

2,568,532
HOSE STORAGE DEVICE
Frank P. Zierden, Cudahy, Wis.
Application May 13, 1947, Serial No. 747,629
9 Claims. (Cl. 299—77)



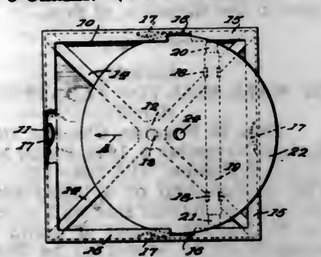
1. In a device for storing a hose and its nozzle in a building and in readily accessible position from exteriorly of the building, box-like enclosure within the building, a water connection within the building accessible from within the enclosure for attachment of one end of the hose thereto, a valve controlling the flow of water from the connection into the hose, a rod for manually operating the valve from outside the building, and an outlet from the enclosure and building, the outlet having passages for free movement of the hose therethrough and retaining the nozzle in predetermined position and for receiving the rod whereby both the nozzle and the rod are continuously accessible from outside of the building.

2,568,533
ELECTRONIC CIRCUIT ARRANGEMENT
Maurice Artzt, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 17, 1945, Serial No. 588,757
15 Claims. (Cl. 250—36)



1. A circuit arrangement including a triode discharge tube for generating oscillations, said arrangement comprising a direct current source, a phase shifting circuit connected between the control grid and the anode of said tube, a resistor connected between the cathode of said tube and the negative terminal of said source, a potentiometer connected across the terminals of said source and having an adjustable tap resistively connected to the control grid of said tube, and means including a controllable impedance connected in parallel between the positive terminal of said source and the junction between said cathode and said resistor for producing a negative resistance characteristic in said tube, said impedance including the space path of a triode discharge tube the control grid of which is directly connected to the anode of the first said tube.

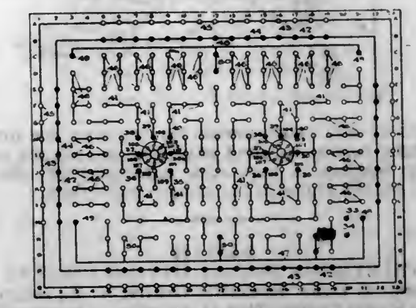
2,568,534
KNOCKDOWN PEDESTAL TABLE WITH STORAGE RECEPTACLE
Leonard S. Baker, Clarksdale, Miss.
Application May 11, 1950, Serial No. 161,381
3 Claims. (Cl. 311—102)



1. In a knockdown table, a top, an apron depending from said top and having sides forming the walls of a substantially square receptacle, flanges extending inwardly from said apron sides, a base resting on said flanges when housed within said receptacle, one pair of said flanges having cut away portions providing gaps through which

the base is slid for housing and withdrawal, and a leg supported in said receptacle between the top and base.

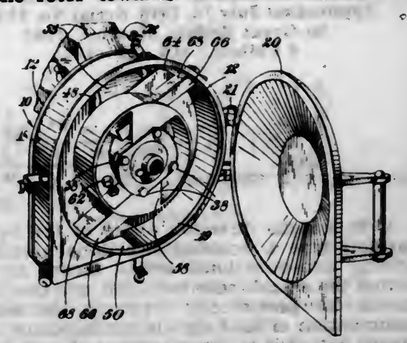
2,568,535
BOARD FOR DEMONSTRATING ELECTRIC CIRCUITS
Charles E. Ballard, Ogden, Utah
Application April 10, 1945, Serial No. 587,583
2 Claims. (Cl. 35—19)



1. A board for demonstrating electrical circuits comprising a panel of insulating material, a multi-terminal tube socket centrally located on said panel, a plurality of primary contacts arranged in longitudinal and transverse rows on said panel and forming a rectangular band surrounding said socket, each of said primary contacts being connected to a different terminal of said socket, a multiplicity of secondary contacts on said panel arranged in equidistantly spaced longitudinal and transverse rows parallel to said rows of primary contacts so all of said contacts are equidistantly spaced from contiguous contacts, electrical connections between each of said primary contacts and neighboring secondary contacts forming primary groups of interconnected contacts in the area around said socket and respectively connected to the terminals thereof for connecting circuit components to said terminals, electrical connections between contacts in the outermost longitudinal and transverse rows of contacts, electrical connections between the next outermost longitudinal and transverse rows of contacts, said two connected outermost rows constituting positive and negative power lines extending around the margin of said panel, the secondary contacts between said primary groups and said power lines being arranged in connector groups, and electrical connections between the contacts in each connector group, each of said connector groups including one contact adjacent a contact in a primary group, one contact adjacent a contact in said power lines, and one contact adjacent a contact in another connector group for connecting circuit components to said primary groups and said power lines.

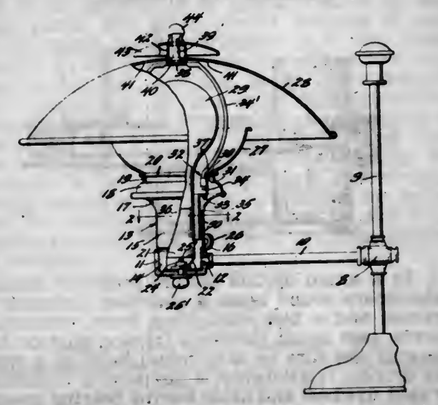
2,568,536
APPARATUS FOR FILLING AND RAMMING FOUNDRY FLASKS
Austin Sidney Beech, Leighton Buzzard, England, assignor to Foundry Equipment Limited, Leighton Buzzard, England, a British company
Application March 10, 1949, Serial No. 80,679
In Great Britain January 28, 1949
9 Claims. (Cl. 22—36)

1. A ramming head for projecting sand into flasks comprising a circular casing, a co-axial rotor therein and at least one straight channel shaped impeller blade of uniform cross-section throughout its entire length and having an operative part and an inoperative root part carried by the rotor, the root part of the blade being clamped within the rotor by releasable clamping means, the operative part projecting outwardly from the rotor towards the circular periphery



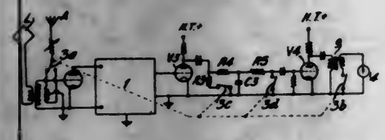
of the casing, the clamping means being such that the blade is adjustable lengthwise to compensate for wear of the free end of the operative part of the blade, the casing being provided with a lateral inlet for sand close beside the path of the operative part of the blade and with a peripheral outlet.

2,568,537
LAMP ARM WITH REINFORCING CUP FOR AN ELECTRIC LAMP SOCKET MOUNTED THEREON
Leon Boltuch, Bronx, N. Y.
Application November 10, 1949, Serial No. 126,582
2 Claims. (Cl. 240—81)



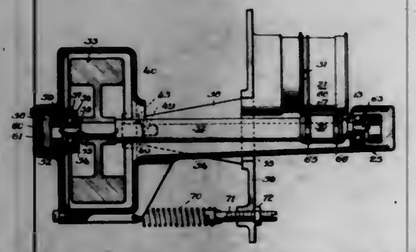
1. A lamp assembly comprising a stand, a hollow arm carried by the stand, a relatively shallow cup shaped supporting element integral with said arm and in communication therewith, said supporting element being made of relatively heavy metal, a housing made of relatively light metal and having a relatively deep cup shaped portion, the bottom of the housing being disposed and fitting snugly within said supporting element, a bracket disposed within and resting on the bottom of said housing, a lamp socket fixedly carried by the bracket, a threaded assembly unit passing through the bracket and through the bottoms of said housing and support, and a cap nut on the end of the assembly unit for holding the bracket socket, housing, and support in fixed assembly.

2,568,538
RADIO DIRECTION FINDER
Joseph Douglas Brailsford and Eric Burnett Vass, Chelmsford, England, assignors to Marconi's Wireless Telegraph Company Limited, London, England, a company of Great Britain
Application July 16, 1948, Serial No. 39,038
In Great Britain March 3, 1948
6 Claims. (Cl. 343—120)



1. In a radio direction finder of the switched cardioid type, a receiving directional aerial, a receiving non-directional aerial, means for combining the signals received upon said two aerials, means for periodically reversing the sense of combination of said signals, an indicator device, means actuated at the frequency of said periodic reversal for securing response of said indicator device substantially only for alternate half-waves of said periodic reversal frequency, and additional means actuated synchronously with said response securing means for rectifying the signal modulated cardioid switching frequency wave.

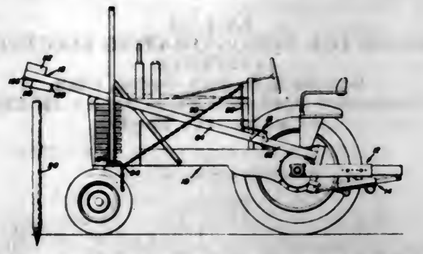
2,568,539
FILM STABILIZER FOR SOUND MOTION-PICTURE PROJECTORS
Jack Braskin and Conrad Peto, Chicago, Ill., assignors to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application November 20, 1947, Serial No. 787,188
4 Claims. (Cl. 271—2.3)



1. In a sound motion picture projector having a stationary sound head, a stabilizer including a flywheel and a film contacting drum connected thereto, said drum having a friction surface for engaging the film on said sound head in a two-way driving relationship, a supporting structure for said flywheel and drum having bearing means permitting free rotation of said flywheel and drum, pivotal means connecting said supporting structure to the body of the projector at a point remote from said drum, and means normally urging said drum into driving relationship with the film on said sound head.

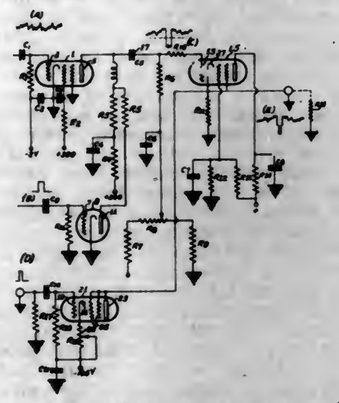
2,568,540
POST SETTER
Barney A. Chambers, Milam, Tex.
Application April 3, 1950, Serial No. 153,589
10 Claims. (Cl. 61—74)

1. A post setter comprising: an arm having a driving weight attached at one end an arm extension connected to the said first mentioned arm by hinge means, hinge locking means maintaining said hinge means inoperative, both of said arms mounted for angular movement on a tractor, means for actuating the angular move-



ment of said arms, means for tripping the hinge locking means to pivot said first mentioned arm with respect to said arm extension to release said weight and arm for impact movement.

2,568,541
TELEVISION SIGNAL MIXING CIRCUIT
Vernon J. Duke, Rockville Centre, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 20, 1947, Serial No. 775,181
3 Claims. (Cl. 178—7.2)

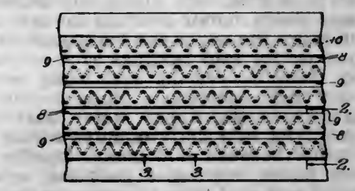


1. In a television system, a scanning control signal circuit for combining blanking impulses, super sync and video signals, comprising a first normally conductive electron discharge tube having a cathode output circuit and having a control electrode, a second normally non-conductive electron discharge tube having a control electrode, means for receiving and delivering blanking impulses, super sync and video signals at respective output terminals, means responsive during the reception of blanking impulses by the control electrode of said second tube for causing said second tube to be conductive, and means for applying the output of said second tube to render said first tube non-conductive, and means for inserting said super sync impulses in said cathode output circuit of said first tube during the interval that said first tube is non-conducting.

2,568,542
NONSKID TIRE
Arthur A. Friestedt, Chicago, Ill.
Application January 10, 1949, Serial No. 70,059
5 Claims. (Cl. 152—211)

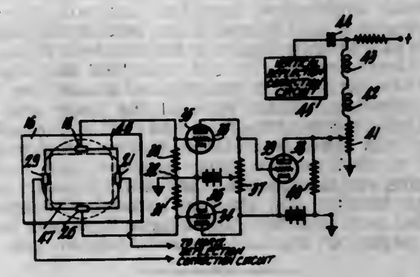
1. An anti-skid device to be embedded in the tread portion of a rubber tire for a vehicle, com-

prising, a length of relatively stiff wire formed into a continuous succession of U-shaped portions with the legs of each intermediate U-portion arranged in juxtaposition and the top ends joined respectively to the top end of the adjacent



leg of the preceding and succeeding U-portions, the base part of the U of each U-portion being substantially flat and being directed at an angle less than a straight angle to each of the preceding and succeeding U-portion base parts, alternate base parts being substantially parallel.

2,568,543
AUTOMATIC REGISTRATION OF COMPONENT COLOR IMAGES
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 3, 1949, Serial No. 108,357
5 Claims. (Cl. 178—5.4)



1. In a system for controlling the positions of a plurality of component-color picture images produced on a viewing screen by different kinescope elements in each of which elements a cathode ray is modulated to control the brightness of a different one of said images and is made to scan said screen, the combination of a plurality of photoelectric probes each selectively sensitive to a different one of said component colors and all mounted at corresponding edges of said images, means connected between said probes for producing potentials dependent on unequal overlap of said images on said probes, and means responsive to said potentials for registering said edges.

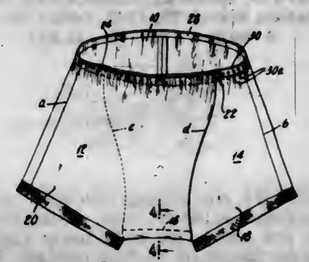
2,568,544
SHIRT INCORPORATING WATERPROOF PROTECTOR
Henry O. Head, Sherman, Tex.
Application July 12, 1949, Serial No. 104,346
3 Claims. (Cl. 2—46)

1. A body garment of the shirt type including a front panel, a superposed ply smaller than said front panel overlying the breast portion and secured at its side and bottom edges to said front panel forming a pocket opening adjacent the neckline, and a removable waterproof protector



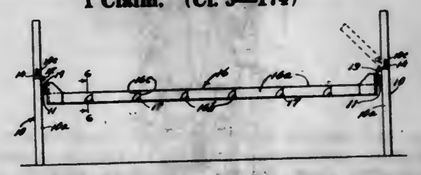
fitting said pocket, insertable through said opening.

2,568,545
PANTY
Helen Gray Hill, Port Washington, N. Y.
Application April 16, 1948, Serial No. 21,469
3 Claims. (Cl. 2—224)



2. A pantie comprising a rear panel, and two front panels each adapted along one lateral margin to be secured to a lateral margin of said rear panel, the other lateral margins of said front panels being overlapped, said rear panel having an intermediate portion of its lower margin substantially parallel to its upper margin, said intermediate portion being superimposed on and stitched to the overlapped lower margins of said front panels thereby providing a seam joining all three panels together and causing the garment to define two leg portions spaced apart by the length of said seam, and means for securing the overlapped upper margins of said front portions in any of a variety of different degrees of overlap.

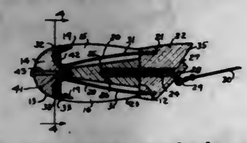
2,568,546
FOLDING BED
Frank Albert Hoeft, Granton, Wis.
Application February 23, 1946, Serial No. 649,681
1 Claim. (Cl. 5—174)



A folding bed frame for a bed having four supporting legs having in combination, spaced parallel side members each formed of a channel having its open side directed downwardly and of substantially uniform vertical dimension, each of said side members comprising a series of sections, said sections having overlapping adjacent end portions, pivots respectively connecting said end portions and extending transversely of said

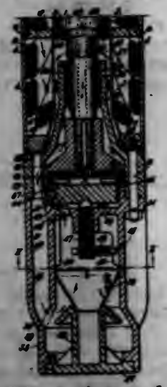
channels closely adjacent the bottoms of the sides of said channels, said sections having vertical surfaces at the tops thereof at their adjacent ends adapted to be in contact when said sections are longitudinally aligned, whereby said sections when so aligned are rigid against downward pressure but may swing about said pivots upon upward pressure thereon, the end sections of said side members being respectively connected by plates of inverted U-shape in vertical cross section with their open sides directed downwardly, end members for said frame each having two supporting legs and plates extending between the legs of each of said end members, said last mentioned plates being of U-shape in vertical cross section with their open sides directed upwardly and adapted respectively to receive one side of said first mentioned plates.

2,568,547
HOOK-CONCEALING AND RELEASING FISH LURE
Richard D. Hoffman, Minneapolis, Minn.
Application March 28, 1949, Serial No. 83,926
8 Claims. (Cl. 43—42.04)



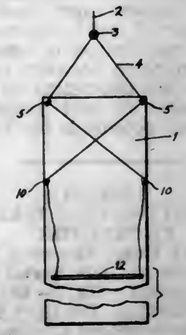
1. A fish lure, comprising two body parts having plane-faced adjacent ends, spring means anchored in the respective body parts and holding said ends continuously in firm contact, line connecting means on one of said parts, the other part having a longitudinal slot, a spring-shank hook having the end of the shank anchored in the line-connected part, and means for releasably holding the hook in the slot against the spring action of the shank, whereby when the lure is struck from any direction the body parts will be caused to separate and the hook be released.

2,568,548
ELECTRIC MOTOR PUMP OF THE SUBMERSIBLE TYPE
Giles Philip Eliot Howard and Victor Ivanoff, Luton, England
Application April 1, 1946, Serial No. 658,627
In Great Britain February 20, 1945
22 Claims. (Cl. 103—87)



3. A submersible motor and pump combination, comprising an elongated cylindrical shell structure which will be assumed vertical, said structure having its lower end closed, a shaft coaxial within said shell structure, a squirrel cage rotor on said shaft, a stator surrounding said rotor and secured around the inner periphery of said shell structure, windings for said stator extending longitudinally through slots in said stator and extending above and below the ends of said stator, motor bearings for said shaft above and below the upper and lower ends of said rotor, housings for said bearings each extending outwardly from its bearing and being secured around said shell structure, a pump impeller on said shaft above the upper motor bearing, a pump bearing for said shaft mounted within said shell structure between said pump impeller and said upper motor bearing, a partition between said impeller and said pump bearing, said partition dividing said shell structure and being sealed around said pump shaft, whereby the shell structure portion beneath said partition forms an enclosure adapted to be filled with water, said shaft having a longitudinal bore hole extending therein from the lower end, and having lateral holes extending from said bore hole to the surface of said shaft at a level between the rotor and the upper motor bearing and at a level between the upper motor bearing and the pump bearing, said shaft at the lower of said two levels being of greater diameter than at the upper of said two levels, so that the centrifugal head in the former lateral hole is greater than that in the latter, a closed conduit extending from the space beneath the upper bearing housing and the space between the pump bearing and said partition, said pump bearing having a passage through it from the upper to the lower end, whereby water will circulate up said longitudinal bore hole and out through the lower of said lateral holes, part of the water from said lower lateral hole flowing down through the clearance between said rotor and said stator and also through the longitudinal stator slots for the stator windings, back to the lower end of said longitudinal bore hole, and part of the water from said lower lateral hole flowing up through said conduit to the space between said pump bearing and said partition and down through said pump bearing and then in through the upper lateral hole and down the longitudinal bore hole and again out through the lower lateral hole.

2,568,549
SURF BOARD CONTROL MEANS
Samuel C. Kluttz, Salisbury, N. C.; Raymond W. Rufty, administrator of said Samuel C. Kluttz, deceased, assignor to Violet R. Kluttz
Application September 22, 1948, Serial No. 50,454
1 Claim. (Cl. 9—11)



A device for controlling the direction of an aquaplane when being towed comprising a tow rope, a pair of front guides mounted on the forward end of said aquaplane, a second pair of rear guides mounted on the medial portion of said aquaplane and a pair of steering and supporting lines for the rider of the aquaplane with each line extending through one of said rear guides across to and through one of said front guides on an opposite side of said aquaplane with both lines connected to said tow rope.

2,568,550
METHOD FOR SOLUBILIZING AT LEAST PARTIALLY INSOLUBLE AND GELATINIZED WAXES
Max Kronstein, New York, N. Y.
No Drawing. Application July 8, 1949, Serial No. 103,753
9 Claims. (Cl. 106—231)

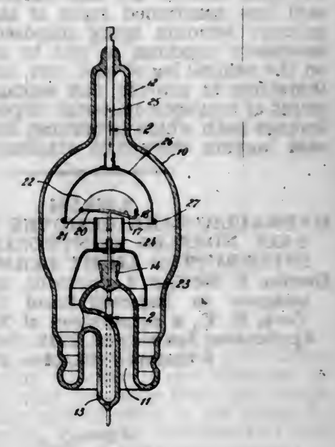
1. A method of solubilizing an at least partially insoluble higher fatty acid ester of an alcohol having from one to two hydroxy groups which comprises melting and compounding with said ester a compound comprising a metal soap of a compound selected from the group consisting of higher fatty acid esters of a polyhydric alcohol, higher fatty acids, petroleum acids and rosin acids at a melting temperature below the decomposition temperature of the resulting composition and at such melting temperature that substantially the entire mass of the resulting composition is melted into the liquid stage, whereby to form a soluble ester reaction product capable of forming a stable solution.

2,568,551
METHOD FOR SOLUBILIZING AT LEAST PARTIALLY INSOLUBLE AND GELATINIZED OILS
Max Kronstein, New York, N. Y.
No Drawing. Original application July 8, 1949, Serial No. 103,753. Divided and this application February 9, 1951, Serial No. 215,198
12 Claims. (Cl. 106—244)

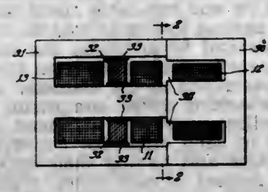
4. A method of solubilizing an at least partially insoluble oil selected from the group consisting of fixed oils and synthetically produced oils containing a higher fatty acid ester of a polyhydric alcohol having more than two hydroxy groups which comprises melting and compounding with said oil a compound comprising a metal soap of a higher fatty acid ester of an alcohol having from one to two hydroxy groups at a melting temperature below the decomposition temperature of the resulting composition and at such melting temperature that substantially the entire mass of the resulting composition is melted into the liquid stage, whereby to form a soluble oil reaction product capable of forming a stable solution.

2,568,552
HIGH-VOLTAGE ELECTRONIC RECTIFIER TUBE OF THE INCANDESCENT FILAMENT TYPE
Bror K. M. Magnusson, Stamford, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application April 26, 1949, Serial No. 89,705
12 Claims. (Cl. 313—238)

1. An electronic rectifier tube, which comprises an evacuated envelope and an anode and a cathode within the envelope in coaxial relation, the anode having a concave face of the form of a surface of revolution and the cathode including spaced supports on opposite sides of the common axis of the anode and cathode and a filament anchored to said supports only, the portion of the filament between said supports lying in a plane and being of the form of a substantially circular arc of not to exceed 180° and substantially concentric with said anode face, said portion of the filament being opposed to and substantially equidistantly spaced throughout its length from said anode face and lying in that plane passing through the center of the arc of the filament, in which said portion of the filament is at the minimum spacing from the anode face, the chord joining the ends of said portion of the filament being longer than the radius of said anode face.



2,568,553
LIGHTING SYSTEM EMBODYING TWO OR MORE ARC DISCHARGE DEVICES AND BALLAST THEREFOR
Leopold Mauerer, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application April 15, 1946, Serial No. 662,136
5 Claims. (Cl. 315—254)



2. In a gaseous discharge lamp system having a primary circuit, a leading secondary circuit and a lagging secondary circuit, said primary circuit including a primary winding, said leading secondary circuit including a secondary winding, a condenser and a gaseous discharge lamp, and said lagging secondary circuit including a separate secondary winding and a second gaseous discharge lamp of like characteristics, a core structure for said windings designed to operate at or near saturation and comprising two E-shaped stacks of laminations arranged in abutting re-

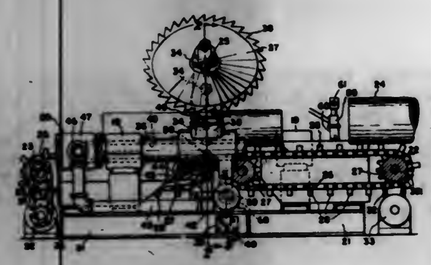
lationship to provide a shell type core, one of said stacks of laminations linking said lagging secondary winding and said primary winding, and the other of said stacks of laminations linking said leading secondary winding, said latter stack of laminations having a greater cross sectional area in all portions thereof than the cross sectional area in the corresponding portions of said first mentioned stack of laminations, said primary winding being disposed between said secondary windings in end to end relationship on the central leg of said core, and being spaced therefrom to provide flux leakage paths, and a shunt of magnetic material disposed in that flux leakage path which is between said primary and said lagging secondary windings.

2,568,554

HYDRAULIC BARK REMOVER HAVING CERTAIN NOZZLES CONTROLLED BY LOG-INTERRUPTED LIGHT BEAM

Gordon F. McClay, Leamexville, Quebec, Canada, assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application January 26, 1949, Serial No. 72,900
8 Claims. (Cl. 144—208)



1. A log debarking device comprising a frame, a pair of endless conveyors arranged in tandem fashion for conveying a log along the frame and being spaced relatively to each other, a liquid conveying conduit pivotally connected to the frame and having a nozzle positioned to direct a hydraulic jet into the space between the opposed ends of the conveyors and against the log, and a wheel on and rotatable about the conduit and bearing against the log to hold the log against the conveyors and to maintain the nozzle at a substantially uniform distance from the log irrespective of variations in the diameter of the log.

4. A log debarking device comprising a frame, a pair of endless conveyors arranged in end to end relation to each other for conveying a log along the frame and having their opposed ends spaced with respect to each other, a plurality of nozzles arranged in a circular pattern around such opposed ends of the conveyors to direct hydraulic jets laterally between the conveyors and against such log, conduit means for constantly supplying fluid to some of the nozzles, valve means for selectively controlling the supply of liquid to others of said nozzles, electro-responsive means for actuating the valve means, a photoelectric cell for controlling the energization of the electro-responsive means, and a light-source positioned to direct a beam of light to the photoelectric cell in a plane traversed by logs of and above a given diameter and out of the plane traversed by logs of diameters smaller than such given diameter.

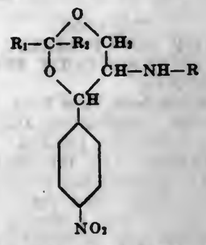
2,568,555

1-NITROPHENYL-2-ACYLAMINO-1,3-PROPANEDIOL ACETALS

Allen C. Moore, Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application August 31, 1950, Serial No. 182,621
8 Claims. (Cl. 260—338)

1. A compound of the formula,
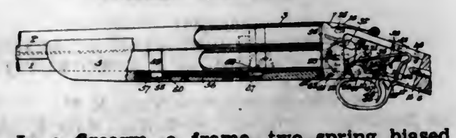


where R is a halogenated lower aliphatic carboxylic acid acyl radical and R_1 and R_2 are members of the class consisting of hydrogen, lower alkyl, phenyl and phenalkyl radicals.

2,568,556

SINGLE-TRIGGER DOUBLE-BARREL FIREARM

Joseph A. Morrone, Westerly, R. I.

Application March 8, 1949, Serial No. 80,173
7 Claims. (Cl. 42—42)



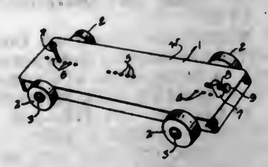
1. In a firearm, a frame, two spring biased hammers, means for cocking them, two spring biased rocking sears for releasably holding the hammers cocked, a trigger, a spring biased rock lever thereon, and a pin and slot connection between the lever and one sear to trip it to release one hammer when the trigger is pulled, said lever being moved into position to trip the other sear when the trigger is returned to its normal position and to release the other hammer when the trigger is again pulled.

2,568,557

CONSTRUCTION TOY

Arthur Leonard Newbery, Robertsbridge, England

Application June 5, 1947, Serial No. 752,702
In Great Britain January 29, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires January 29, 1960
2 Claims. (Cl. 46—17)



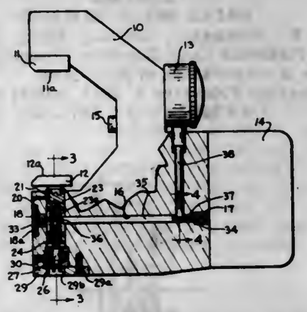
1. In a device of the character described, a wheeled base including a rectangular shaped body member, a series of apertures spaced along the longitudinal center line of the body member, an upstanding post fixed to the front end of the body and having a tapped horizontal bore therethrough, an adjustable set screw in the horizontal bore, and a vertically extending stop pin mounted in a selected one of the apertures, and a plurality of separable blocks mounted on the base, said blocks defining a toy character, the stop pin engaging the rearmost side of the rear block and the set screw engaging the foremost block of the assembled blocks to thereby clamp and hold the blocks in assembled relation.

2,568,558

ADJUSTABLE COMPARATOR

John Charles Nilsson, Hyde Park, N. Y., assignor to Nilsson Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York

Application May 15, 1947, Serial No. 748,195
8 Claims. (Cl. 33—147)



8. In a gauging device adapted for remote control of an associated dial indicator mechanism, in combination, a frame structure, an exposed gauging surface fixedly mounted on and supported by the frame structure, a second exposed gauging surface and a support assembly therefor movably mounted in a shouldered recess in said frame, the gauging surfaces being arranged in a common plane and in operative gauging relation, said support assembly comprising a body section having a threaded axial bore therein and a transverse bore therethrough and a manually adjustable bolt arranged within said axial bore, the inner end of said bolt projecting into the area defined by said transverse bore, the outer end of said bolt extending beyond the end of said recess remote from the second gauging surface and having a flange thereon in spring-pressed abutment against the shoulder in the said recess, a rotatable rod mounted in the frame structure having one end extending into the area defined by the transverse bore in the support assembly body section and also having a cam element on said extended end in operative engagement with the inner end of said bolt, the other end of said rotatable rod being arranged in operative relation with the dial indicator mechanism.

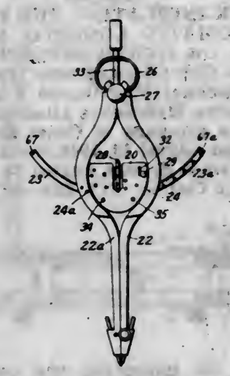
2,568,559

CONTROL MECHANISM FOR COMPASSES AND CALIPERS

George V. Nolde, Berkeley, Calif.

Application February 24, 1945, Serial No. 579,656
7 Claims. (Cl. 33—154)

1. In an instrument of the class described, the combination of, two members mounted for movement relative to each other, and devices for controlling such movement including, a first link connected to one of said members, a second link connected to the other member, and a connection between said two links and effective to drive the two links in opposite directions, a manually operable control wheel mounted for rotation upon an axis parallel to the direction of movement of said two members, a worm fixed to said control wheel and operable thereby to drive said connection, with clutch means between said connection and said worm and effective in one direction of operation to transmit the drive from said worm to said connection and effective in the other direction of operation to permit movement of said connection while the worm remains stationary.
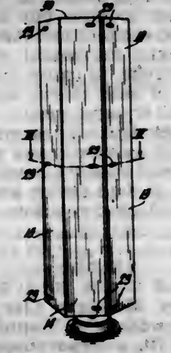


2,568,560

SLOTTED PRISMATIC ANTENNA

John E. Pauch, Montreal, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware

Application December 27, 1946, Serial No. 718,791
2 Claims. (Cl. 250—33)



2. A high frequency antenna including a plurality of sheets of flat conductive sheet material having rectilinear edges, said sheets being bent to form inturned flanges along said rectilinear edges and being arranged to form a substantially closed prismatic member, the overall length of said member being substantially a half wavelength at the midband operating frequency, and the dimensions of said member transverse to the longitudinal axis thereof being between one-tenth and one-quarter wavelength at the midband operating frequency, some of said rectilinear edges being spaced to form three longitudinal slots in said prismatic member, and means to couple a two-conductor transmission line directly to said antenna, one of said conductors being connected to corresponding rectilinear edges of all of said slots and the other conductor

being directly connected to the remaining edges to cause the instantaneous currents to flow in the same direction about the perimeter of said member.

2,568,561

MEANS FOR INDICATING THE POSITION OF AN AUTOMATIC LOCKING DEVICE FOR PISTONS OR OTHER MOVABLE PARTS

Jack Pardue, Great Sankey, near Warrington, and Stanley Hackney, Warrington, England, assignors to Electro-Hydraulics Limited, Warrington, England, a company of Great Britain

Application August 23, 1948, Serial No. 45,768
In Great Britain August 28, 1947
5 Claims. (Cl. 200—52)



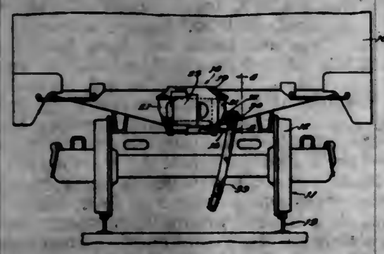
1. Means for indicating the position of an automatic locking device for fluid operated jacks or the like, of the type including a jack cylinder, and a movable assembly therein comprising a piston and piston rod, reciprocable in said cylinder, and a locking device fixed with respect to said piston and movable therewith in said cylinder; said indicating means comprising a sleeve slidably mounted on said piston rod, a lock bolt concentrically arranged on said sleeve and capable of relative axial movement with respect thereto within said cylinder, an electric switch member carried by said lock bolt, a switch closing contact member normally biased away from said switch member, said lock bolt being disposed in line for engagement by said locking device upon the advancing stroke of said piston, as the said locking device approaches locking position, means associated with said contact member and lock bolt, operable upon axial movement of the latter by said advancing stroke, to cause joint axial movement therewith of said sleeve, contact member, and switch member, and means operable upon completion of said stroke to permit relative axial movement of said lock bolt and switch member with respect to said contact member and sleeve, to effect locking of said device and to close said switch to indicate locked position.

2,568,562

ANGLE COCK BRACKET

Charles R. Radey, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 31, 1948, Serial No. 18,227
5 Claims. (Cl. 213—67)



5. In a railway car having a coupler housing at one end thereof provided with a striking plate at its outer end that projects outwardly behind the sides of the housing, and a coupler yoke key liner disposed on a side wall of the housing, spaced from the striking plate, and projecting outwardly from the side wall of the housing, the provision of an angle cock bracket disposed between and engaging the striking plate and the liner and abutting against the side wall of the housing, the bracket being in the form of a relatively flat plate projecting outwardly from the housing and being welded along its two sides to the striking plate and coupler yoke key liner respectively and along its inner side to the side wall of the housing, and a U-shaped attaching member for securing the angle cock to the bracket, the bracket being apertured adjacent to it free end to receive the spaced arms of the attaching member.

2,568,563

SALES BOOK HOLDER

Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application February 9, 1949, Serial No. 75,396
3 Claims. (Cl. 281—44)



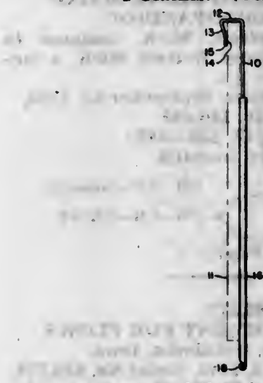
1. In a device of the class described, the combination of a plurality of receptacles movable in relation to each other, a common support for the receptacles on which the receptacles are movable, means in each receptacle to divide each receptacle into two compartments, one of said two compartments adapted to receive a pile of unused tickets and the other one of said two compartments adapted to receive used tickets, said means also engaging one end portion of each pile of unused tickets and removably retain said unused tickets in said compartments, and a closure for each of the compartments which contain a pile of unused tickets, each closure movable to a position to permit access to a pile of unused tickets to permit partial removal of an unused ticket from the pile, said closure thereafter movable to a position beneath the partially removed ticket to provide a writing table for the partially removed ticket, said common support located between the storage compartments to provide a common closure for the storage compartments, the receptacles being selectively movable relatively to the common support to provide access to a selected storage compartment.

2,568,564

SHEET HOLDER

Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application October 1, 1949, Serial No. 119,124
4 Claims. (Cl. 281—44)



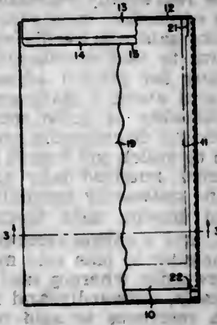
1. In a device of the class described, the combination of a supporting member for a stack of business forms on which hand-written records are to be made, said member consisting of a flat plate having one end thereof formed to provide means to hold one end of the stack of business forms on the upper face of the flat plate, and an adjustable hand rest slidably mounted on the under face of the flat plate.

2,568,565

SHEET HOLDER

Bruce K. Slonneger, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application October 1, 1949, Serial No. 119,125
3 Claims. (Cl. 281—44)



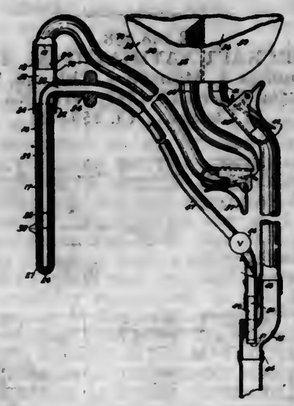
1. In a device of the class described, the combination of a supporting member for a stack of business forms upon which written entries are to be made; a receptacle to receive a stack of said forms, said receptacle formed on one end of said member and comprising a first section of said member formed upwardly at right angles to the face of said member, and a second section formed rearwardly on said first section, said second section being biased downwardly toward the face of said member to form a resilient means to releasably hold the stack of forms on the holder; and a combination cover and writing table slidably mounted on the main supporting member and movable between the said second section and the stack of forms when moved into closed position.

2,568,566

SURGICAL THERAPEUTIC APPLIANCE

Edward Sokolik, New Brighton, Minn.

Application May 6, 1946, Serial No. 667,515
29 Claims. (Cl. 128—240)



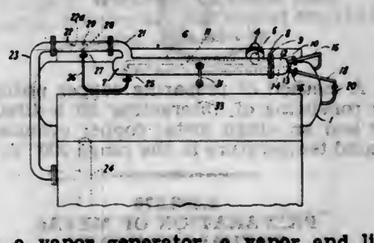
29. In a device of the class described, a two-way nozzle consisting of a slender linear body of substantially uniform diameter throughout the linear limits thereof, longitudinally extending inlet and outlet passages formed within the interior of the body and extending parallel throughout the major portion of the body, a first orifice extending laterally through a portion of the body and into the inlet passage and adapted to permit the egress of fluid from the inlet passage, a recess formed in the outer surface of the body for collecting fluid, a second orifice extending laterally through a portion of the body and connecting the interior of the recess with the outlet passage, and means united with one end of the nozzle for detachably connecting the same to a common end of a cross head fitting.

2,568,567

ATTEMPERATOR REGULATING THE TEMPERATURE OF SUPERHEATED VAPOR

Cedric Harold Sparks, London, England, assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

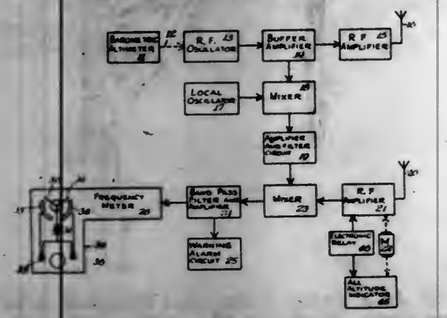
Application September 25, 1947, Serial No. 776,076
In Great Britain October 2, 1946
3 Claims. (Cl. 122—479)



1. In a vapor generator, a vapor and liquid drum, a superheater, means including a conduit providing for the flow of vapor from the drum to the superheater, a vapor condenser disposed in the vapor flow path from the drum to the superheater, means supplying a controlled amount of cooling fluid to the condenser, said conduit having a venturi therein, the venturi normally creating a pressure drop at one position in said conduit and a tubular connection be-

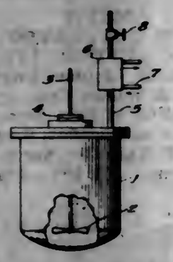
tween the condensate space of the condenser and the position of said pressure drop at the throat of the venturi whereby condensate flows to the venturi and is mixed with the vapor passing through the venturi.

2,568,568
AIRCRAFT NAVIGATIONAL AID
Thomas A. Stansbury, Chicago, Ill.
Application March 10, 1947, Serial No. 733,500
16 Claims. (Cl. 250—2)



1. The combination of an altimeter adapted to be carried by a craft, a high-frequency wave-signaling device controlled by said altimeter for radiating carrier waves having a frequency indicative of altitude, a speed measuring device, and means controlled by said device for modulating on said carrier waves other signals having a frequency indicative of the speed of said craft.

2,568,569
PREPARATION OF COPPER PHTHALOCYANINE
Frederick W. Sullivan, Jr., Madison, N. J., assignor to The Standard Ultramarine Company, Huntington, W. Va., a corporation of West Virginia
Application June 2, 1948, Serial No. 30,718
22 Claims. (Cl. 260—314.5)



1. A method of preparing copper phthalocyanine consisting of, interacting an o-dihalo benzene and an alkali metal copper cyanide at an elevated temperature in the range 200° to 450° C.

2,568,570
PREPARATION OF METAL PHTHALOCYANINES
Frederick W. Sullivan, Jr., Madison, N. J., assignor to The Standard Ultramarine Company, Huntington, W. Va., a corporation of West Virginia
No Drawing. Application May 24, 1949, Serial No. 95,165
15 Claims. (Cl. 260—314.5)

1. A process for producing metal phthalocyanines consisting of heating at reaction temperature a mixture of urea and a salt of phthalic acid, the metal of said salt having an atomic number in the range 27 to 30.

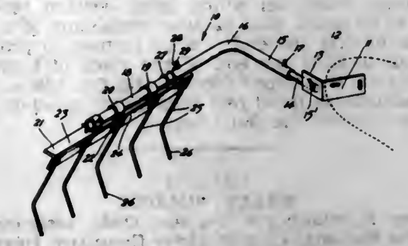
2,568,571
HALOACETYLAMIDOPHENYL-HALOACETAMIDOPROPANDIOL
Marie-Jo Sullivan, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application September 23, 1950, Serial No. 186,496
5 Claims. (Cl. 260—562)

1. A compound of the formula,



ψ-Form

2,568,572
MULCHER ATTACHMENT FOR PLOWS
Harry Van Zee, Oskaloosa, Iowa
Application December 8, 1945, Serial No. 633,774
1 Claim. (Cl. 97—5)

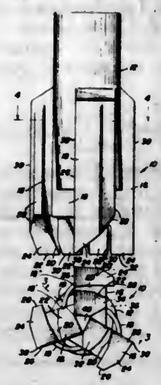


The combination with a moldboard of an angle arm extending rearwardly and outwardly therefrom, the rearwardly extending portion of the arm being extensible, means including clamp means attaching said rearwardly extending portion of the arm to said moldboard, said clamp means providing for pivotal adjustment vertically of said arm about a transverse horizontal axis, and a plurality of teeth secured on said arm and extending downwardly and rearwardly to smooth and to mulch soil turned by said moldboard, a member longitudinally and rotatively shiftable on the outwardly extending portion of said arm and having said teeth rigidly secured thereon, and a spring secured to said arm and to said member to bias said member downwardly and forwardly, whereby said teeth are adjustable vertically, outwardly and inwardly and rotatably with reference to said outwardly extending portion.

2,568,573
WELL DRILL BIT
Elzo G. Walker, Odessa, Tex.
Application August 26, 1948, Serial No. 46,216
1 Claim. (Cl. 255—61)

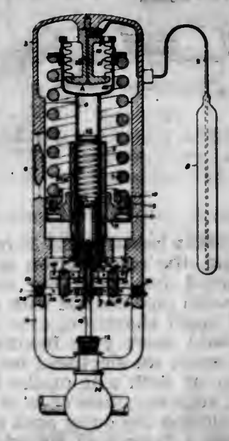
In a well drill bit, the combination of a substantially tubular body having an open bottom end and an upper end portion adapted for connection to a drill shaft, said body being provided with a plurality of slots extending upwardly from said open end and separating the lower portion of the body into a plurality of elongated and transversely arcuate segments, each segment having a leading edge and a trailing edge at the

respective opposite longitudinal edges thereof and being longitudinally twisted whereby said leading edge is located at a lesser distance than the trailing edge from the longitudinal axis of said body, and a set of elongated cutter blade members disposed in the lower portion of said



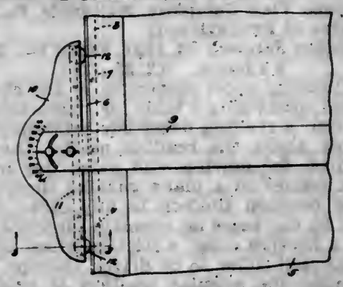
body and projecting downwardly therefrom, said blade members being seated in and projecting outwardly through said slots and terminating at their lower ends in sharp cutting edges, said blade members having leading and trailing surfaces welded to the respective trailing and leading edges of the adjacent segments.

2,568,574
SENSITIVITY IMPROVER FOR TEMPERATURE CONTROLLERS
Charles Alfred West, Southbridge, Mass.
Application May 26, 1948, Serial No. 29,288
1 Claim. (Cl. 236—99)



The combination of a sensitivity improver and a temperature controlled actuating mechanism for moving, by means of the said sensitivity improver, the valve stem and valve disc of a valve, the said mechanism being under the control of a fluid filled device which is responsive to temperature changes, the said mechanism including a chassis composed of a cylindrical hood and a depending open frame with two vertical side arms, arranged for assembly to the said valve, the said fluid filled device comprising an expansible fluid pressure container and a bulb connected thereto by a capillary tube, the said container, tube and bulb being charged with a temperature responsive fluid, the said expansible fluid pressure container including an upper stationary member centered by a spigot to the top of the said hood, the cup or lower movable member of the said container having centrally attached thereto a tubular operating stem, the fluid pressure in the said container varying with the temperature in the said bulb but always tending to move the said cup and the attached operating stem in a downward direction, a heavy compression coil spring mounted so as to always tend to move the said cup of the said expansible fluid pressure container in an upward direction or towards a collapsed position, the resultant upward or downward force of the combination of the said spring and the said expansible fluid pressure container operating on the said cup with its tubular operating stem, the said operating stem being provided with a collar fixed into the interior of its lower end, the said operating stem being operatively connected to the said valve stem by means of the said sensitivity improver, the said sensitivity improver including a tubular sleeve, freely slidable in the said collar, a hollow tubular nut screwed to the upper end of the said sleeve and acting as a stop, normally pressed by a compression coil spring into contact with the upper end of the said collar, the said tubular sleeve being provided at its lower end with a horizontal rectangular bar extending outwards almost to the said two depending arms of the said chassis, a tubular plunger freely slidable inside the said sleeve, the said plunger being threaded internally and screwed to the said valve stem, and also provided at its lower end with a rectangular boss which carries on each of two opposite sides a horizontal spindle, two levers swivelling on the said two spindles, the outer ends of the said two levers each carrying a pivoted roller, the said two rollers entering two rectangular holes, one in each of the said two depending arms of the said chassis, the center points of the said two levers being pivoted to the lower ends of two links, the upper ends of the said two links being pivoted to the said horizontal bar, all the four pivots at both ends of the said two links being equidistant from the axis of the said operating stem, and also means for altering the positions of the said pivots at the ends of the said two links and thus varying the mechanical advantage between the said operating stem and the said valve stem.

2,568,575
MAGNETIC T SQUARE AND DRAFTING BOARD
Lester F. Wickman, Oakland, Calif.
Application October 24, 1949, Serial No. 123,275
1 Claim. (Cl. 33—76)



The combination with a drawing board having an armature secured along a longitudinal edge thereof, of a T-square having a head providing a straight edge, a permanent magnet compris-

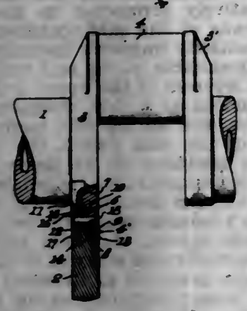
ing a bar secured to the head of the T-square, the ends of the bar being curved downwardly and inwardly, magnet pole members embodying rollers secured to the downwardly and inwardly curved ends of the bar, cooperating with the armature in holding the head of the T-square to one edge of the drawing board.

2,568,576

COUNTERBALANCED CRANKSHAFT FOR INTERNAL-COMBUSTION ENGINES

Julius E. Witzky, Stuttgart-Cannstatt, and Wolfgang S. Lang and Richard J. Jakob, Wendlingen-Neckar, Germany, assignors to the United States of America as represented by the Secretary of War

Application June 30, 1947, Serial No. 758,034
4 Claims. (Cl. 74—603)



1. A counterbalanced crankshaft comprising main bearing segments, a throw segment intermediate the bearing segments, a cheek interconnecting each bearing segment with the throw segment, a smooth perforated member in one of the cheeks on a side thereof opposite to the throw segment and remote from the throw segment, a counterweight fixedly mounted on the member, the said counterweight having a smooth surface and perforations complemental to the smooth surface and perforations of the member, the entire mass of the counterweight being located on a side thereof opposite the throw segment at approximately the adjacent main bearing segment, and means connecting the counterweight to the member, the said counterweight and the said cheek forming substantially continuous side surfaces.

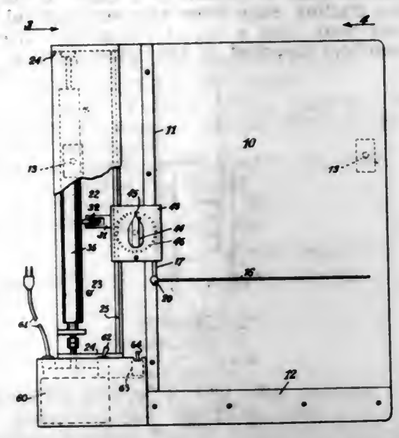
2,568,577

READING PACER APPARATUS

Henry S. Alexander, Meadville, Pa., assignor to Keystone View Company, Meadville, Pa., a corporation of Pennsylvania

Application January 23, 1951, Serial No. 207,334
6 Claims. (Cl. 35—35)

1. A reading pacer apparatus of the character described comprising a table for supporting reading matter, a reading pacer bar extending across the table above the reading matter thereon, a mechanism for moving said pacer bar over the reading matter in a plane parallel thereto from any one position thereon to any other position thereon in the same or opposite directions comprising a friction roller, a friction wheel normally engaging said roller to be driven thereby, means for varying the angular position of said wheel with respect to the roller to cause the wheel to move along the roller at a predetermined speed, means connecting said friction wheel with the said pacer bar to move the latter at said predetermined speed, manual means for disengaging said wheel from the said roller and manually move the pacer bar as aforesaid, an electric motor for rotating said roller and a switch controlling the motor circuit.

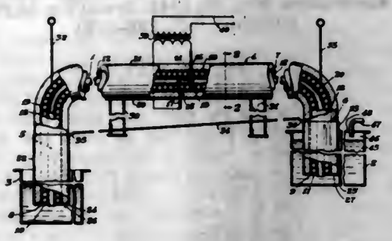


2,568,578

ELECTRICALLY HEATED TRANSFER PIPE

Foster C. Bennett, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application December 23, 1949, Serial No. 134,780
3 Claims. (Cl. 13—33)



1. In an electrically heated conduit for conveying a molten solid, the combination of an inner metal pipe adapted for conveying the molten solid; an outer metal pipe coaxial with said inner pipe and spaced apart therefrom over the whole length thereof, said outer pipe having a break intermediate its ends; an electrical terminal lug on the outer pipe at each side of the break; an annular seam on adjacent outer ends of the inner and outer pipes closing the outer ends of the annular space between them and electrically connecting the adjacent ends of the inner and outer pipes; spacer elements in the annular space between the inner and outer pipes adapted to prevent the pipes from touching each other along their length; a cover of thermal insulation on the outer pipe extending from end to end of the pipe; a metal sheath over the cover at each end thereof, each sheath being electrically connected to the end of the outer pipe adjacent thereto; and electrical conductor means externally of the covering connecting one sheath with the other, said conductor means having a lower resistance than the inner pipe.

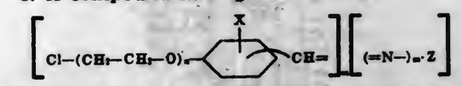
2,568,579

ALDEHYDE-AMINES AND PREPARATION THEREOF

Gerald H. Coleman, Freeland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application February 16, 1949, Serial No. 76,859
9 Claims. (Cl. 260—566)

1. A compound having the formula



wherein X represents a member of the group consisting of hydrogen, alkoxy and halogen, the structure $(=N-)_m \cdot Z$ represents a substituted imino grouping in which Z is a member of the group consisting of the aliphatic, cycloaliphatic, arylaliphatic and nonacidic isocyclic aromatic radicals attached to the nitrogen through carbon, n is an integer from 1 to 3, inclusive, and m is an integer from 1 to 2, inclusive.

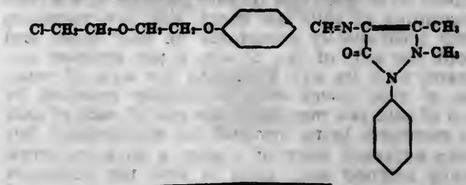
2,568,580

CONDENSATION PRODUCTS OF 4-AMINO-ANTIPYRINE AND THE CHLOROETHOXY BENZALDEHYDES

Gerald H. Coleman, Freeland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application January 22, 1951, Serial No. 207,239
3 Claims. (Cl. 260—240)

1. A compound having the formula

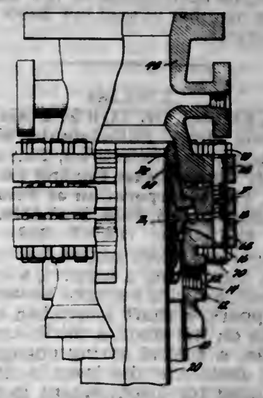


2,568,581

CASING HANGER ASSEMBLY

Robert L. Crain, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation of Texas

Application June 3, 1949, Serial No. 96,942
13 Claims. (Cl. 285—22)



1. A hanger assembly for suspending an inner casing within an outer casing comprising separate lower and upper hanger bushings having bores to closely embrace the inner casing, said lower bushing being of diameter adapting it for lowering through control equipment of size rated with the outer casing, and having means to grip and support the weight of the inner casing, said lower bushing having an exterior surface provided with means to form a permanent seal with a lower casing head by the weight of the inner casing when said lower bushing is landed in the lower casing head, said bushings having telescoping parts providing for relative vertical movement between said bushings and being formed to provide between them a packing chamber of adjustable volume closed at its upper, lower and outer sides but open at its inner side toward the inner casing, said upper bushing having an exterior surface for the application of a downwardly directed force to telescope said parts and compress packing in said chamber to thereby form a permanent seal against the exterior of the inner casing.

2,568,582

PALLET CONSTRUCTION

Alvin J. Farrar, Cleveland, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application January 9, 1947, Serial No. 721,065
1 Claim. (Cl. 248—120)



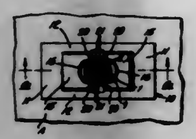
A fabricated, four-way, substantially rectangular pallet for use in supporting a load to be carried by a lift truck comprising a sheet metal upper deck on which loads may be placed and carried, said upper deck having an upper substantially flat load-supporting surface portion extending to the periphery of the deck on each of the four sides thereof, a flange formed on said upper deck and extending around its outer periphery, said upper deck flange having its free edge portion turned inwardly of the pallet and disposed substantially parallel to the top of the deck and under the flat peripheral surface portion of the said deck, said upper deck flange additionally having portions of substantially increased width extending around each corner and disposed at spaced locations between corners, a sheet metal lower deck to rest on a floor, a flange formed on said lower deck and extending around its outer periphery, said lower deck flange having its free edge portion turned inwardly of the pallet in substantially parallel relation to the free edge portion of the upper deck, said lower deck flange additionally having portions of substantially increased width extending around each corner and disposed at spaced locations between corners, the free edge portions of the increased width portions of the upper and lower decks being engaged and welded together, the increased width flange portions of the upper and lower decks cooperating with intermediate flange por-

tions to define a pair of openings in each side of the pallet in which lift truck forks may be received to lift and carry the pallet and its load.

2,568,583
METHOD OF SEPARATING IMPURITIES FROM USED LUBRICATING OILS
Eldon F. Graves, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 18, 1949, Serial No. 100,062
10 Claims. (Cl. 196—16)

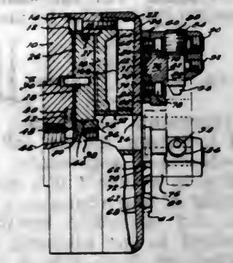
1. A method of separating dispersed impurities from used lubricating oil which comprises, dissolving in the oil a minor but effective proportion of an N-phenyl alkylol amine selected from the group consisting of N-phenyl ethanolamine, N-phenyl diethanolamine, and N-phenyl ethanol-isopropanolamine sufficient to cause aggregation of the impurities and thereafter separating the aggregate of impurities from the oil.

2,568,584
FASTENING DEVICE
Richard A. Hartman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 9, 1947, Serial No. 790,461
1 Claim. (Cl. 85—36)



A thin, spring sheet metal fastening structure comprising a generally arched base provided with a stud receiving opening, cooperating tongues defined by spaced substantially parallel slits in said base extending from said stud receiving opening and providing said cooperating tongues with their free ends adjacent said stud receiving opening, said cooperating tongues being bent to project out of the plane of said base and each of said cooperating tongues having a cutout on its free end of less width than the width of the tongue and defining spaced prongs terminating in spaced pointed edges spaced apart a distance smaller than the diameter of the stud to be inserted in said stud receiving opening, said cutout otherwise being of such size that the edge of said cutout between said spaced pointed edges is spaced from said stud to be inserted in said stud receiving opening, the corner extremities of said cooperating tongues outwardly from said pointed edges being bent toward said base so that the entire pointed edge of each prong defines substantially a vertical knife edge extending substantially parallel to the vertical axis of said stud receiving opening and said complete knife edge is adapted for line contact, self-cutting action axially of the stud to cut into and embed in the stud upon tensioning of said generally arched base in applied fastening position.

2,568,585
DIAPHRAGM CHUCK (UNIVERSAL GEAR TYPE)
George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application September 20, 1946, Serial No. 698,208
11 Claims. (Cl. 279—46)

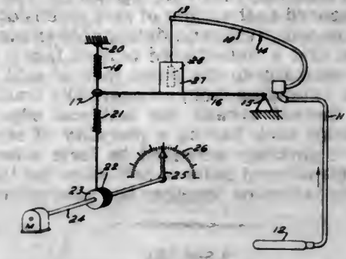


8. In a diaphragm chuck of the class wherein there is a diaphragm and means are provided for flexing the central portion of the diaphragm axially with respect to the rim thereof, the combination with said diaphragm of a plurality of jaw bases fixed thereto in angularly spaced relation with respect to each other about the center of said diaphragm, each of said jaw bases having a plurality of arcuate grooves therein arranged in a plane perpendicular to the axis of rotation of said chuck and concentric to the axis of said chuck, a jaw member cooperating with each of said jaw bases, a tongue on each of said jaw members arranged in interfitting relationship with respect to at least one of said grooves in the corresponding of said jaw bases, said jaw members being individually adjustable on said bases and about the axis of the chuck, a pin member arranged with its axis radial to the axis of rotation of said chuck axially slidably received by each of said jaw members, one end of each of said pin members being formed for engagement between adjacent teeth of a gear, a back-up screw axially aligned with each of said pin members and threadably received by the corresponding of said jaw members in axially abutting relationship with respect to the corresponding of said pin members, means for locking said pin members and said back-up screws in axially adjusted position, and clamping means including means received in another of said grooves of each of said jaw bases cooperating between each said jaw member and its corresponding jaw base for locking said jaw member to said jaw bases in adjusted position thereon.

2,568,586
DISPLACEMENT OR TORQUE AMPLIFIER
Walter Leslie Hunt, Philadelphia, and William Dean Macgeorge, Havertown, Pa., assignors to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application April 3, 1946, Serial No. 659,226
15 Claims. (Cl. 73—398)

5. A follow-up system responsive to small displacements, comprising a support, a lever pivoted to the support, a spring engaged between the lever and the support, a shaft journalled on the support, a drum on the shaft, a flexible cable wound on the drum, a second spring engaged between the flexible cable and the lever, a displacement device arranged for displacement in response to variations in the condition of a conditioned device, complemental differential transformer elements operatively associated respectively with the

displacement device and with said lever and comprising a stator and an armature arranged for balanced null output from the transformer when the armature and stator are symmetrically balanced coincident with balance in the opposing



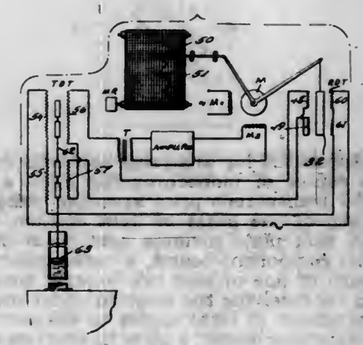
forces operative on the lever from said respective springs, motor means in driving relation to said shaft, and means connecting the transformer with the motor to drive the latter as a function of an unbalance of the transformer to reestablish balance thereof by rotating said shaft.

2,568,587
DIFFERENTIAL TRANSFORMER
William D. Macgeorge, Havertown, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 24, 1948, Serial No. 61,835
8 Claims. (Cl. 171—119)



1. A differential transformer comprising a first and a second air-cored coil in axial alignment and juxtaposed relation in a non-magnetic assembly, the first coil being formed of at least a first and a second wire, and the second coil being formed of at least a third and fourth wire, of which the first and third are identical and said second and fourth are identical, the respective coils each comprising identical multiple turns of their respective wires laid on in adjacency so that the coils are identical with said first and second wires, and said third and fourth wires respectively in mutual inductive relation throughout the lengths of their said respective coils, means interconnecting said first and third wires to form a transformer primary having connections for an energizing A. C. input, means interconnecting said second and fourth wires to form a transformer secondary having output connections and connectively isolated from the transformer primary, and a magnetic core disposed for axial adjustment in and relative to the two aligned coils, the said interconnections establishing the output of the transformer secondary as a resultant of opposing voltages whereby with the core substantially medially disposed in the coils the secondary output is substantially null becoming a voltage of one phase or the opposing phase as the core relatively moves from the medial disposition in one direction or the other increasing in amplitude as a linear function of movement from the medial position, said linear change in amplitude being symmetrical on both sides of said substantially null output.

2,568,588
DIFFERENTIAL TRANSFORMER WITH LONG STROKE AND LINEAR OUTPUT
William D. Macgeorge, Collegeville, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 7, 1950, Serial No. 166,659
11 Claims. (Cl. 171—119)

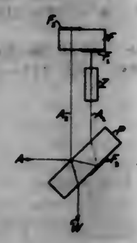


1. A differential transformer comprising a first and a second air cored coil in axial alignment and juxtaposed relation in a non-magnetic assembly, the first coil being formed of at least a first and a second wire, and the second coil being formed of at least a third and fourth wire, of which the first and third are identical and said second and fourth are identical, the respective coils each comprising identical multiple turns of their respective wires laid on in adjacency so that the coils are identical, with said first and second wires and said third and fourth wires respectively in mutual inductive relation throughout the lengths of their said respective coils, means interconnecting the first and third wires to form a transformer primary having connections for an energizing A. C. input, means interconnecting said second and fourth wires to form a transformer secondary having output connections connectively isolated from the transformer primary, and a magnetic core disposed for axial adjustment in and relative to the two aligned coils, the said interconnections establishing the output of the transformer secondary as a resultant of opposing voltages whereby with the core substantially medially disposed in the coils the secondary output is substantially null becoming a voltage of one phase or the opposing phase as the core relatively moves from the medial disposition in one direction or the other increasing in amplitude as a linear function of movement from the medial position, said linear change in amplitude being symmetrical on both sides of said substantially null output, said core comprised of a plurality of substantially cylindrical individual core elements in axially aligned air spaced relation, and means mounting the core elements for movement as a unit axially of said axially aligned coils.

2,568,589

APPARATUS FOR DETERMINING THE COURSE OF THE REFRACTIVE INDEX OF AN OPTICALLY NONHOMOGENEOUS MEDIUM DISPOSED IN A CELL, PARTICULARLY AN ELECTROPHORESIS CELL

Heinrich Labhart, Basel, Switzerland
Application September 8, 1948, Serial No. 48,286
In Switzerland September 16, 1947
3 Claims. (Cl. 88—14)

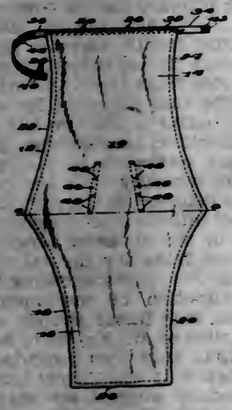


1. Apparatus for analyzing solutions comprising a source of monochromatic light, a plane-parallel transparent plate arranged obliquely to the path of the beam of light emitted by said source, said plate dividing said beam into two parallel component beams, a rectangular cell in the path of one of said two parallel component beams for receiving the solution under investigation arranged at right angles to the said one of the component beams, a plate having two mirrors one on the front face and the other on the rear face, the front face mirror reflecting one and the rear face mirror the other of said component beams so that said component beams take each the same way back to said plane-parallel transparent plate where they are superposed again to form a combined beam, and a lens system forming a real image of said cell on a photographic plate by means of said combined beam.

2,568,590

ADJUSTABLE DIAPER

Mary M. Laser, Emmaus, Pa., assignor to herself and Robert H. Laser, Emmaus, Pa., as joint owners with rights of survivorship
Application April 12, 1949, Serial No. 86,915
2 Claims. (Cl. 128—284)



2. An adjustable diaper construction comprising an elongated fabric blank having opposite end edges and longitudinal side edges extending therebetween and being adapted to be folded once on itself along a central transverse line, fabric belt means fixedly secured to said blank at one end to provide an extension at each side edge, one of said extensions being provided with lengthwise spaced fastening receiving openings, fastening means secured to the other of said extensions and adapted to selectively and detachably engage said openings, and a well-spaced pair of fabric strips secured centrally to the outer face of said blank and each extending from adjacent the transverse median thereof toward the belt end edge, said fabric strips each having a plurality of separate unsecured portions arranged to form selectively engageable aligned pairs of belt loops for the belt formed by fastening together the said extensions.

2,568,591

UTAH COAL RESIN MODIFIED ALKYD RESINS

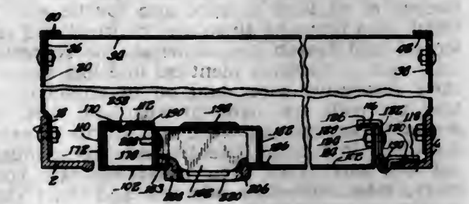
Ernest D. Lee, Teaneck, and Rupert J. Scheffbauer, Jr., Union City, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 26, 1948, Serial No. 17,373
6 Claims. (Cl. 260—26)

1. In a process of recovering resins from resin-bearing coals of the Utah type wherein the crude resin is separated from the bulk of the coal to produce a resin concentrate of resin admixed with coal and the soluble resin is then extracted from the resin concentrate with a hydrocarbon solvent, the steps comprising reacting the solvent extracted resin with an alpha, beta-unsaturated polycarboxylic acid and a polyhydric alcohol at a temperature of 200° to 300° C.

2,568,592

HANDLE FOR LOCKER LATCHES

John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application May 31, 1946, Serial No. 673,566
10 Claims. (Cl. 292—87)

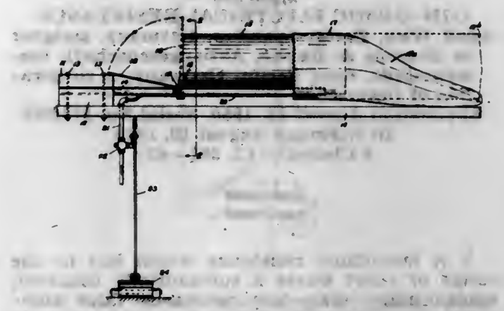


1. In a cabinet having a door and a lock mechanism shiftably mounted on the rear of the door, said door having an aperture therein, a handle having forward laterally extending plate-like marginal portions overlying the front face of the door about the edges of the aperture in the door and having rearwardly extending portions extending through the aperture in the door, said handle being connected with the lock mechanism, said handle being shiftable in said aperture and relatively to said door to operate the lock mechanism.

2,568,593

APPARATUS AND PROCESS FOR INCASING CYLINDRICAL ARTICLES IN PAPER BAGS

Herbert L. Ortstein, Andover, Mass., assignor to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
Application May 6, 1946, Serial No. 667,539
5 Claims. (Cl. 226—18)

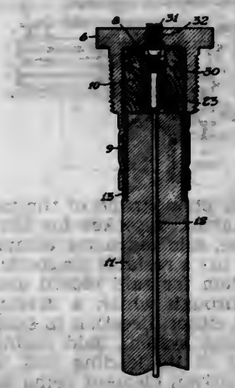


4. The process of enclosing a cylindrical article in a paper which comprises supporting said article with an upper end portion thereof uncovered, covering said end portion of said article with the mouth of the bag to provide a substantially closed chamber in the remainder of the bag, inflating said remainder of the bag by introducing air under pressure into said chamber and introducing the remainder of said article into said bag.

2,568,594

GALVANIC ANODE ASSEMBLY

Harold A. Robinson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application January 26, 1949, Serial No. 72,877
3 Claims. (Cl. 204—197)
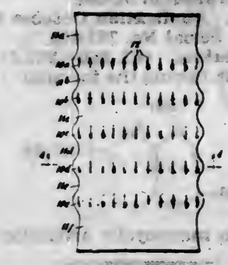


1. In a galvanic anode assembly for insertion through the wall of a metal vessel to be protected cathodically and comprising a metal plug having a recess in the base thereof, a body of galvanically active metal one end of which fits into the plug to a depth insufficient to rest on the end of the recess, and electrical insulation interposed between the plug and the metal body, the combination of a cartridge resistor within the plug recess, one end of which is connected electrically to the plug and the other to the metal body, and adjustable means mounted on and operable through the head of the plug for optionally shorting out the resistor.

2,568,595

DIAPER

Raymond R. Rohrer, Orwigsburg, Pa.
Application June 4, 1949, Serial No. 97,143
5 Claims. (Cl. 66—177)

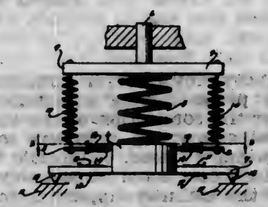


1. A diaper made of tubular knitted material having a general rectangular form of two thicknesses, said material having a plurality of circumferential bands of less dense material-content alternating with a plurality of bands of denser material-content, the knit of the bands of less dense material-content causing the establishment along the bands last-named of highly accentuated transverse ruffles upon laundering of the diaper, the diaper being generally elongate, the bands of denser material-content being of plain rib stitch and the bands of less dense material-content being of half-cardigan stitch.

2,568,596

SPRING TESTER

Arthur C. Ruge, Cambridge, Mass., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,080
8 Claims. (Cl. 73—161)

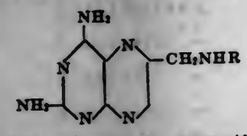


1. Apparatus for testing the relation between deflection of a spring and the load required to produce the deflection comprising, in combination, means for loading a spring under test, two deformable means adapted to be deformed uninterruptedly upon continuous application of load to the spring under test throughout its full load range, one of said deformable means being deformably responsive to deflection of the spring under test, the other of said deformable means being deformably responsive to the load applied to the spring under test, means operatively connecting both of said deformable means to the spring so as to transmit load and deflection characteristics thereof continuously to them throughout the full load range of the spring regardless of whether or not said characteristics vary from a predetermined relation, and means controlled by both of said deformable means so as to provide

a single coordinated indication continuously over the entire range of the spring upon variations of a predetermined relation between load and deflection thereof.

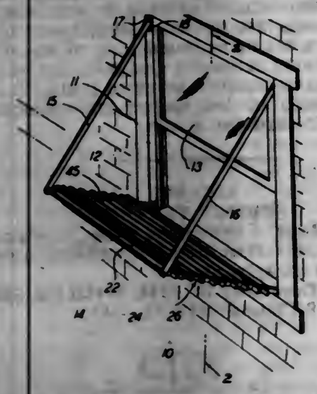
2,568,597
2,4-DIAMINO PTERIDINES AND PROCESS OF PREPARING SAME
Doris R. Seeger, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 22, 1947, Serial No. 781,495
16 Claims. (Cl. 260—251.5)

1. Compounds having the formula



in which R is a monocyclic aromatic radical.

2,568,598
WINDOW LAUNDRY DRIER
Louis Traverso, Jamaica, N. Y.
Application June 2, 1949, Serial No. 97,041
3 Claims. (Cl. 211—194)



1. A laundry clothes dryer comprising inclined supporting pieces having attachments thereon adapted for the connection of the upper ends of the vertical supporting members to the upper part of a window frame, collapsible brace structures pivotally connected respectively to the lower ends of the inclined supporting members and adapted to be pivotally connected to the lower part of a window frame, transversely extending clothes supporting elements detachably connected to the collapsible brace structures and a transversely extending spacing structure connected to the pivot connections of the inclined supporting members and the collapsible braces.

2,568,599
FLATTING AGENTS
William A. Weidlich, North Plainfield, and James E. Davis, Bound Brook, N. J., assignors to International Cellucotton Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application February 5, 1947, Serial No. 726,740
3 Claims. (Cl. 106—175)

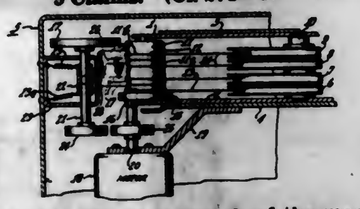
1. A coating composition which dries to a substantially transparent dull or matte surface, which comprises a normally glossy drying non-aqueous organic film forming vehicle containing hydrocarbon solvents, the films of which are dulled by the incorporation therein of pigment size particles of a soap of a metal of the class consisting of aluminum, zinc, magnesium and alkaline earth metal salts of an adduct of an alpha beta unsaturated dibasic acid with a terpene, and coated with a film deposited from an aqueous solution of methyl cellulose.

2,568,600
LOW-OHMIC ELECTRICAL RESISTANCE
Adolf Wirk, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application August 12, 1950, Serial No. 179,068
In Germany August 19, 1949
9 Claims. (Cl. 201—63)



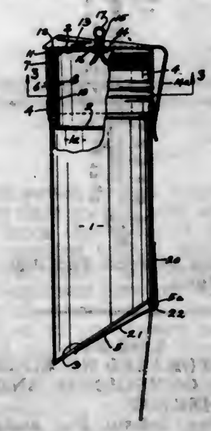
3. A low-ohmic resistance which has in the range of short waves a substantially constant, substantially phase-free resistance value comprising concentrically disposed current-conducting layers, an intermediate insulating layer between said conducting layers, means for conductively interconnecting said conducting layers at one end thereof, and terminal means for each of said conducting layers disposed at the other end thereof, said terminal means being insulated from each other and spaced from each other by a predetermined gap.

2,568,601
MAGAZINE-TYPE MAGNETIC PHONOGRAPH HAVING A FAST REWIND MECHANISM
Leslie J. Anderson, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1949, Serial No. 95,973
5 Claims. (Cl. 274—4)



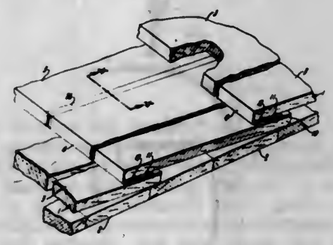
1. In a magnetic phonograph of the magazine type, a cabinet having a socket for the reception of a magazine, said magazine comprising a casing containing (*a*) a reelable magnetic record, (*b*) a reeling system for said record and (c) a driven element through which a driving force may be applied in either direction to said record through said reeling system, said casing being provided adjacent to its leading end with an opening and said driven element being mounted adjacent to said opening off the center line of said casing, said casing and said socket being symmetrical whereby said casing may be entered into said socket with said driven element on either side of the center of said socket, and rotatable driving elements mounted in said socket on opposite sides of its center in a position selectively to engage said driven element as determined by the position in which said casing is inserted within said socket.

2,568,602
BAIT HOLDER
William F. Anderson, Wilmington, Calif.
Application May 14, 1946, Serial No. 669,678
3 Claims. (Cl. 43—55)



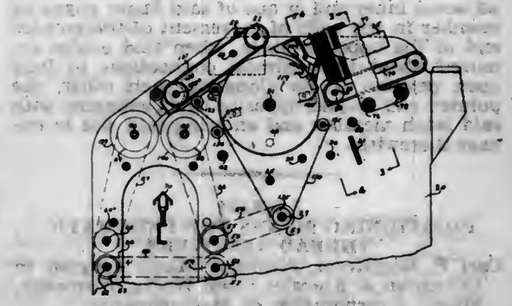
1. A bait holder comprising a tubular body forming a main receptacle and adapted to contain bait, a tensioned closure for the bottom of said holder, a second receptacle mounted in the upper end of said main receptacle for holding bait of different character from that in the main receptacle, a cap removably secured to the upper end of the tubular body for retaining the bait in the second receptacle, said cap having an outlet therein through which bait therefrom may be removed and a second closure tensioned and pivotally movable on said cap for opening and closing said outlet, thereby permitting independent removal of the bait from one receptacle without removing bait from the other receptacle.

2,568,603
ROOFING AND SIDING
John B. Anthony, Oakland, Calif.
Application October 1, 1948, Serial No. 52,219
3 Claims. (Cl. 108—13)



1. A structural unit for roofs and the like, comprising a body portion, a sheathing therefor of light gauge metal overlying one surface of said body portion and extending over and under an edge thereof to provide a recess therebeneath, a first metal sealing strip of heavy gauge and of stepped cross section, one step thereof being received within said recess, and a second, complemental metal sealing strip of heavy gauge disposed at the opposite edge and on the opposite side of said body portion, said second strip being adapted to interlock with the first strip of an overlapping unit both said sealing strips extending the length of said body portion.

2,568,604
SIGNATURE FEEDING AND TRANSFERRING MECHANISM
Earl H. Bechberger, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application June 6, 1946, Serial No. 674,754
6 Claims. (Cl. 270—54)



3. In a signature feeding and transferring mechanism unit of a signature collator; a hopper in which the signatures are stacked, an extracting and transfer drum located closely adjacent to the extracting end of said hopper, means for rotating said drum, pivoted means for bending the folded edge of successive signatures in the hopper outwardly into close proximity to the periphery of said drum, a plurality of gripper means carried by said drum and spaced circumferentially thereof for gripping to the drum during each drum rotation the folded edge of a plurality of successively bent signatures, said plurality of gripper means each acting successively during a single drum rotation to grip and extract a bent signature from said hopper and to then transfer the same on the drum with its folded edge foremost and then release the gripped and transferred signature, stop means in the path of movement of the folded edge of the transferred signatures and located substantially on the radial line from the drum axis to the pivotal center of said bending means, and means for operating said signature bending means and each of said gripping means at predetermined times in each drum revolution such that each time the folded edge of a transferred signature engages said stop means the gripper means which grips said transferred signature simultaneously releases the same, while said bending means substantially simultaneously with the release of the transferred signature bends the foremost signature in the hopper and then said gripping means which has just released the transferred signature grips the newly bent signature.

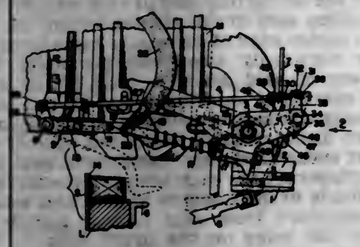
2,568,605
SCISSORS
Robert D. Bennett, Grand Rapids, Mich.
Application February 7, 1949, Serial No. 74,897
2 Claims. (Cl. 30—255)



1. In a scissors having two blades crossing each other between their ends, the blades being pivot-

ally connected at their point of crossing, each blade being pointed at one end and having a finger engaging member at its opposite end, said finger engaging members having greater thickness than the blades and off-set to one side each of its respective blade, and each finger receiving member at its inner end having a slot therein in said off-set portion, and a yielding spring latch member located in a slot and secured against the adjacent inner end of one of said finger engaging members in the path of movement of the pointed end of the opposite blade, when said blades are moved about their pivotal connections to fully open position to lie alongside each other, the pointed end of said opposite blade engaging with said latch member and entering said slot to engage therewith.

2,568,606
POSITIONING MEANS FOR PNEUMATIC THREAD REMOVERS
Carl P. Bergstrom, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 25, 1950, Serial No. 151,868
8 Claims. (Cl. 139—256)



1. In a weft replenishing loom, a bobbin transferrer arm having an operating stroke on a weft replenishing beat of the loom, an actuator element secured to and moving with the transferrer arm, a thread remover normally in thread non-pick-up position but movable to thread pick-up position, a dog pivoted to the thread remover, a shuttle position detector moving from normal to shuttle detecting position incident to a weft replenishing operation, and operating connections between the shuttle detector and the dog effective to move the latter into cooperative relation with the actuator element when the shuttle feeler moves to detecting position and effective in the event that the shuttle detector is moved by a misplaced shuttle to move said dog out of operative relation with respect to said actuator element.

2,568,607
BOBBIN RELEASER FOR WEFT REPLENISHING MECHANISM
William A. Blanchard, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 3, 1950, Serial No. 153,675
12 Claims. (Cl. 139—232)

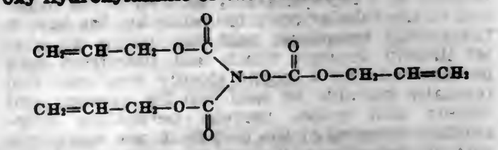
1. In a bobbin releaser for a weft replenishing mechanism operating with a cradle, a plurality of parallel elongated sheet metal laminations arranged side by side and secured together, the outer laminations having guide lugs and the inner laminations having notches between the lugs, and a cradle operating wing having a part extending



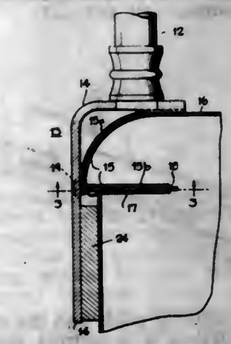
into said notches between said lugs and secured to said laminations.

2,568,608
POLYUNSATURATED NITROGEN-CONTAINING COMPOUNDS AND POLYMERS THEREOF
James A. Bralley, Bristol, Pa., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 19, 1947, Serial No. 735,796
2 Claims. (Cl. 260—77.5)

1. As a new chemical compound, tri-carballyloxy hydroxylamine of the formula

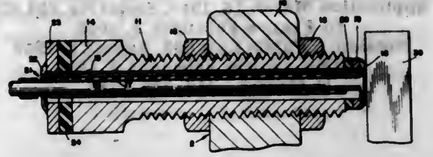


2,568,609
MOUNTING BRACKET
Charles Inness Brown, Jr., Floral Park, N. Y.
Application July 13, 1950, Serial No. 173,591
5 Claims. (Cl. 248—289)



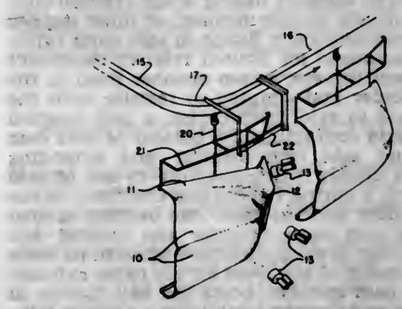
1. A mounting bracket of substantially F-shaped configuration viewed in side elevation, comprising: an upper arm adapted to engage a surface of a supporting structure, a lower arm adapted to enter a slotted recess of said structure spaced from said surface, said upper and lower arms being integral with a third arm substantially perpendicular thereto, said lower arm being slotted for reception of screws adapted to enter and engage at least one surface of said slotted recess and thereby secure said bracket to said supporting structure.

2,568,610
SWITCH CONTACT ASSEMBLY
Lewis L. Chappell, Chicago, Ill.
Application July 9, 1949, Serial No. 103,791
1 Claim. (Cl. 200—166)



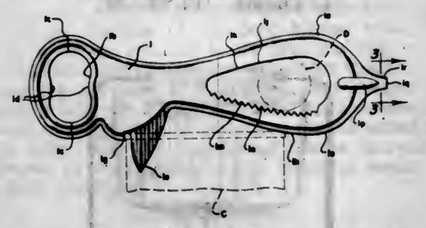
In an electric switch an arm, a screw adjustably carried by and rigid on said arm, and of a length substantially twice the width of said arm, said screw being provided with a longitudinal bore extending therethrough, an electrical conductor extending through said bore and insulated therefrom, said electrical conductor terminating at one end of said bore in an exposed contact, means insulating said contact from said screw, means at the opposite end of said screw for anchoring said conductor within said bore and including a metallic washer surrounding said conductor and rigidly connected thereto by soldering the same together whereby said conductor is rigidly mounted in said screw, and an insulating washer interposed between the end of the screw and said metallic washer.

2,568,611
COATING METHOD AND APPARATUS
William W. Crouse, Carmel, Ind., assignor to Ransburg Electro-Coating Corp., Indianapolis, Ind., a corporation of Indiana
Application July 16, 1949, Serial No. 105,214
4 Claims. (Cl. 117—93)



4. The method of coating an article having first and second surface portions disposed generally at an angle to each other, comprising the steps of moving the article through a coating zone along a predetermined path past and in spaced relation to an electrostatic atomizing head, maintaining between the head and the article moving past it a high-potential electrostatic field to cause liquid coating material to be electrostatically atomized as a spray from the head and electrostatically deposited on the article, orienting the article so that it enters the coating zone with its first surface portion disposed generally transversely of the spray, changing the orientation of the article while in the coating zone to bring its second surface portion into transverse relation with the spray, and maintaining the thus changed condition of orientation of the article as it continues to move through the coating zone.

2,568,612
COMBINATION CONTAINER OPENER
Ernest E. Cullen, San Diego, Calif., assignor of one-half to June St. Claire Gregg, Laguna, and one-fourth to Richard J. Wood, San Diego, Calif.
Application January 31, 1948, Serial No. 5,559
3 Claims. (Cl. 30—16)



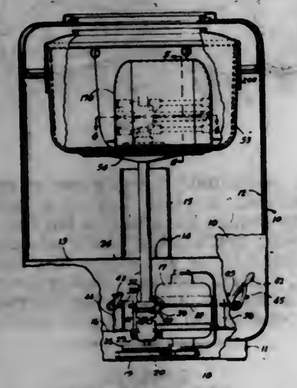
1. In a combination container opener of the class described, a plate having a hook portion adapted to engage the rim of a tin can container, a corrugated perforating blade adjacent to said hook adapted to be projected into said tin can container, a portion of said plate engageable with said container for limiting the corrugated perforating penetration of said perforating blade.

2,568,613
STAKE DRIVER
Adriano Daso, Arroyo Grande, Calif.
Application May 27, 1946, Serial No. 672,530
4 Claims. (Cl. 61—73)



1. A device of the type described for driving an approximately vertically positioned stake downwardly into the ground comprising: a frame; upper and lower stake-engaging members rigidly connected to said frame for supporting it, said upper member comprising first collar means for encircling the stake and laterally supporting the frame with respect to the stake, and cap means extending across the collar means thereabove for engaging the upper end of the stake encircled by the collar means and applying the weight of the device to the stake, said lower stake-engaging member comprising second collar means aligned with said first collar means and spaced therebelow for encircling the stake and laterally supporting the frame with respect to the stake; hammer means oscillatably mounted upon said frame for oscillation about an axis in offset relation with respect to the axis of alignment of said first and second collars, and against said cap means to thereby apply driving impact through said cap means to the upper end of a stake supporting said cap means; and means for oscillating said driving means.

2,568,614
CLOTHES-WASHING MACHINE WITH A HORIZONTALLY RECIPROCATING AGITATOR
George Fields, Wilmette, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application October 4, 1945, Serial No. 620,209
11 Claims. (Cl. 68—23)



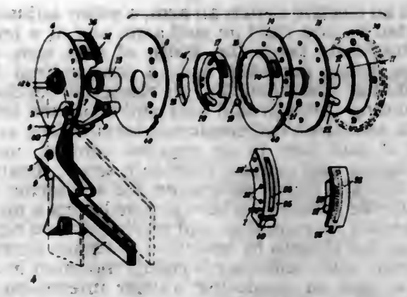
2. A washing machine comprising a tub mounted for revolution about its axis, an agitator for said tub disposed for reciprocation transversely to the axis thereof, a transmission for operating said agitator disposed inside of said agitator, said transmission and said agitator being mounted for rotation about an axis, and means connecting said tub and transmission and operable by the loading of the agitator to cause rotation of the agitator.

2,568,615
VALVE STOPPER
Frank N. Fischer, Whiting, Ind., and Joseph B. Kusel, Calumet City, Ill.
Application October 7, 1946, Serial No. 701,676
1 Claim. (Cl. 251—46)



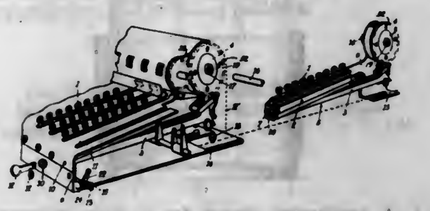
In a valve having a seat and a tubular stem movable in relation to the same, a stopper between the inner end of the stem and the seat comprising a body portion formed with a convex headpiece overlying said end and adapted to slide over the same and render the stopper self-alining relative to the seat, a pin projecting from the center zone of the headpiece into the bore of the stem with a cluster of stems diverging toward the walls of said bore, the pin being relatively narrow to have latitude of travel relative to said walls during the sliding movement of the headpiece, said headpiece having a reduced portion to seat and provide a backing for a wide ring, a further reduced portion to seat and provide a backing for a yieldable washer of an area comparable to that of the ring, and a terminal enlargement forming a retainer for the washer.

2,568,616
DIFFERENTIAL ACTUATING MECHANISM FOR CALCULATING MACHINES
Robert Gourdon, Paris, France, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France
Application March 16, 1946, Serial No. 654,836
In France February 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 9, 1965
11 Claims. (Cl. 235—79)



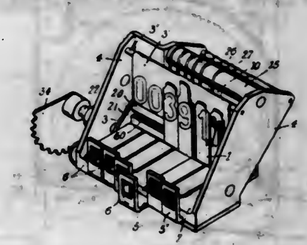
7. In an accounting machine comprising a numeral wheel and a keyboard, improved differential actuating mechanism controlled by the keyboard and arranged to act on said wheel, said differential actuating mechanism comprising a driving disc formed with a cam groove and a driven member including two discs arranged in spaced relation to form a drum and an outer stepped cylinder within said drum, one of the discs of the driven member having a slip-friction connection with the driving member, an inner stepped cylinder concentrically fitting in said outer cylinder and arranged for limited relative movement with respect thereto, a cam member fixed in the inner cylinder and adapted to register with the cam groove in said driving disc, a ball inserted between and contacting the bottom of said cam groove and said cam member and extending through a closely fitting aperture in one of said drum discs, a spring having one end fixed to the outer cylinder and the other end bearing against a part of said inner cylinder and biasing said inner cylinder toward a position wherein its steps are in advance of the steps on the outer cylinder and said cam member holds the ball tightly in the groove and thereby establishes a positive driving connection between the driving disc and the driven member, means for rotating said driving disc, a series of key-set stops selectively movable between retracted positions and active positions corresponding to both said series of steps, each stop being effective upon rotation of said driving disc while the stop is in its active position to engage corresponding steps on said outer and inner cylinders and thereby limit rotation of the driven member, said stop being effective upon continued rotation of the driven member after the stop engages the step on the inner cylinder to cause relative movement of the inner and outer cylinders until their steps are aligned, said cam member being operated by said relative movement to release said ball from the groove and thereby release said positive driving connection, and means including a gear on said driven member for driving said numeral wheel through a distance determined by the selection of one of said stops.

2,568,617
DETACHABLE DENOMINATIONALLY COMPOSITE KEYBOARD AND DIFFERENTIAL ACTUATOR UNITS
Robert Gourdon, Paris, France, assignor to Centre d'Etudes M. B. A. (Mecanique, Balistique, Armement), Paris, France
Application March 16, 1946, Serial No. 654,837
In France February 21, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 21, 1965
7 Claims. (Cl. 235—79)



1. In a key-set calculating machine including a totalizer having a plurality of ordinal totalizer wheels, a frame, and a casing including a keyboard portion, the improvement which comprises individually removable parallel spaced ordinal units for operating said totalizer wheels, each said unit including a row of keys, key-indexed members and differential actuating mechanism controlled by said members and operable to actuate the associated totalizer wheels, said casing having parallel spaced slots in said keyboard portion for receiving said rows of keys, each slot having one end contoured to form an exit opening through which the associated row of keys may pass during removal of the unit, and means for fastening said units to said frame with said keys projecting through the slots and said differential actuating mechanisms operatively connected to the totalizer wheels.

2,568,618
INDICATING MEANS FOR ACCOUNTING MACHINES
Robert Gourdon, Paris, France, assignor to Societe anonyme dite Centre d'Etudes M. B. A. (Mecanique Balistique Armement), Paris, France
Application September 21, 1948, Serial No. 50,411
In France October 31, 1947
13 Claims. (Cl. 235—23)



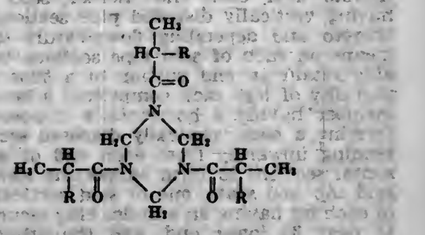
1. An indicating device for calculating machines comprising a pack of elastic indicia-carrying blades fixed at one end, bending means therefor movable between a first position in which all the blades are straight and a second position in which all the blades are bent into positions at an angle to their fixed ends, said blades being sufficiently resilient to straighten out when said bending means returns to its first position, said blades when bent having their free ends extending different distances so that the tip portion of each blade projects beyond the tip portion of the adjacent overlying blade, selective retaining means movable longitudinally over the tip portions of the pack of blades while the latter are held in their bent positions by said bending means, said retaining means being effective upon subsequent release of the bent blades when the bending means returns to its first position to retain in their bent positions only those blades with whose tip portions it is aligned, and means operable while the blades are held by the bending means to position said retaining means selectively to determine the number of blades thereafter released by movement of the bending means to its first position.

2,568,619
PREPARATION OF BETA-HYDROXY MONOCARBOXYLIC ACID ESTERS
James T. Gregory, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 4, 1947, Serial No. 720,305
11 Claims. (Cl. 260—484)

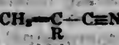
1. The method which comprises preparing a solution of from 0.01 to about 0.1 mole of an alkaline catalyst in from 1 to 10 moles of an alcohol composed exclusively of carbon, hydrogen and oxy-oxygen atoms, adding 1 mole of a beta-lactone to said solution whereupon reaction occurs to form an ester of a beta-hydroxy monocarboxylic acid, and separating said ester from the resulting reaction mixture.

2,568,620
SUBSTITUTED TRIAZINES
Thomas L. Gresham and Thomas R. Steadman, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 8, 1948, Serial No. 48,329
2 Claims. (Cl. 260—248)

1. The method of preparing a heterocyclic compound of the formula



wherein R is a member of the class consisting of hydrogen, alkyl, aryl and aralkyl, which comprises reacting a formaldehyde supplying compound with a compound of the formula



wherein R is a member of the class consisting of hydrogen, alkyl, aryl and aralkyl, in the presence of an acid catalyst, and treating an alcohol solution of the thus produced product with hydrogen in the presence of a platinum oxide hydrogenation catalyst.

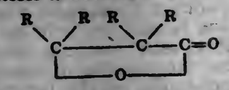
2,568,621

METHOD FOR PREPARING N-ARYL SUBSTITUTED BETA-AMINO CARBOXYLIC ACIDS

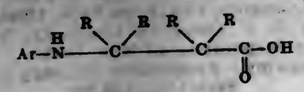
Thomas L. Gresham and Forrest W. Shaver, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 1, 1950, Serial No. 165,584
4 Claims. (Cl. 260—518)

1. The method which comprises reacting in aqueous solution a beta-lactone of the structure



wherein each R is selected from the class consisting of hydrogen and methyl, with an amine of the structure Ar—NH_2, wherein Ar is an aryl radical selected from the class consisting of phenyl and methyl substituted phenyl radicals, thereby to obtain solely an acid of the structure



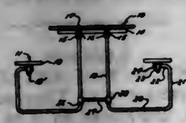
wherein Ar and R have the same significance as above.

2,568,622

COLLAPSIBLE PICNIC TABLE AND BENCH ASSEMBLY

Robert E. Hagan, Youngstown, Ohio

Application August 4, 1950, Serial No. 177,733
6 Claims. (Cl. 155—123)



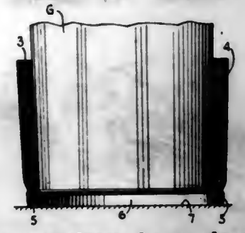
1. A collapsible table assembly comprising in combination a pair of seats, a top consisting of flat boards laid side to side to form a substantially rectangular flat surface, said boards being held in flat relation by means of members disposed transversely thereunder and secured firmly thereto near each end thereof, said members having vertically disposed pipe sections secured thereto and depending downwardly therefrom, means on each of said pipe sections to detachably retain an end portion of a tube length, a plurality of legs each comprising a bent tubular member having a horizontally disposed section forming a base, vertically disposed sections extending upwardly from each end of said horizontal sections to form supporting elements for said top and seats, one of said vertical sections of each leg having an annular ring secured thereto near its lower end, and the other vertical section of each leg having a horizontally disposed section extending inwardly from its upper end, said inwardly extending section having a vertically disposed socket secured to its inner end, said socket having means positioned thereon to detachably secure a tube inserted therein, a bracing assembly comprising a horizontally disposed longitudinal member having a horizontally disposed transverse member secured at each end thereof, each end of each of said transverse members having a sleeve secured in a vertically disposed position to slidably receive the vertical table-supporting sections of the aforementioned legs; and each of said seats comprising a wide flat board having a downwardly depending stud secured to the under side thereof near each end, said stud being adapted to fit slidably into the sockets secured to the aforementioned legs.

2,568,623

ABSORBENT GLASS CONTAINER

Homer A. Hamm, Chicago, Ill.

Application August 10, 1946, Serial No. 689,680
3 Claims. (Cl. 65—61)



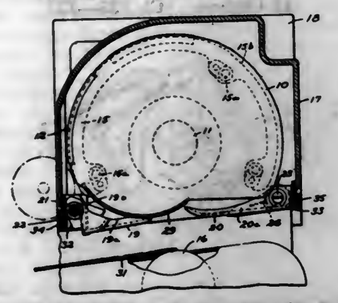
1. A protective sleeve for a glass comprising an annular body member made from laminations of a resilient and highly absorbent creped wadding material surrounded by a layer of crepe paper, said body member constructed and arranged so as to contact and fit tightly the side walls of the glass when positioned therearound, and a combined stiffening and supporting means arranged along the bottom edge of said body member to which the bottom edges of said laminations and outer layer of crepe paper are adhesively secured which acts to bind together said laminations and said outer layer of crepe paper and stiffens the body member at said bottom edge, said means extending along at least the outer surfaces of the laminations so as to strengthen and stiffen the same at said bottom edge and to act as a support for the glass when said sleeve is disposed therearound so as to space the bottom of the glass from the supporting surface.

2,568,624

POSTAGE PRINTING DIE PROTECTION MEANS

Walter J. Hanson, Port Chester, N. Y., and Alva G. Russell, Stamford, Conn., assignors to Pitney-Bowes, Inc., Stamford, Conn., a corporation of Delaware

Application October 12, 1949, Serial No. 120,888
5 Claims. (Cl. 101—91)



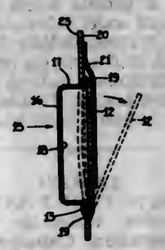
1. The combination with a rotary postage printing cylinder having a postage printing die thereon and including a cover having an opening at the printing position but otherwise arranged to conceal the printing die when not in a printing position; of means to prevent the taking of more than one legitimate impression at the printing position during each rotation of the printing cylinder and comprising a guard having one portion thereof extending beyond one end of the opening in said cover at the printing position and in the path of the printing die, a second guard having one portion thereof extending beyond the opposite end of the opening in said cover and in the path of the printing die, each of said guards having their extended portions normally urged toward the peripheral surface of the printing cylinder, and means engaging said guard and movable with the printing cylinder to effect withdrawal of the extended portions of the guards from the path of the printing die as the printing die approaches the printing position.

2,568,625

PACKAGE FOR NOVELTY ITEMS

Wilfred G. Harvey, Leominster, Mass.

Application March 5, 1948, Serial No. 13,140
2 Claims. (Cl. 206—78)



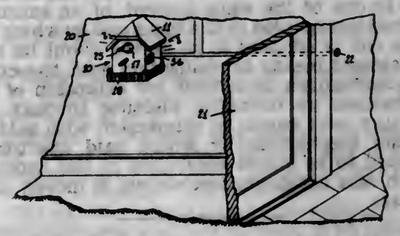
2. As a new article of manufacture, a display unit comprising, a flat card having front and back surfaces, a flap cut from the body of said card to provide an aperture, with the base of said flap secured to said card to permit flexure thereof, a second flap, smaller than the first flap, cut from the body of the card along the base of said first flap, a hollow transparent box having an opening therein and a flange extending around said opening, said box being insertible within the card aperture upon flexure of said first flap, to project beyond the front surface of said card, with its flange engaging the back surface of said card, as well as said smaller flap, with said first flap serving to close the box opening and to hold said box in position within said card aperture.

2,568,626

CUCKOO DOOR ALARM

Wilhelm Helling, Gloversville, N. Y.

Application September 19, 1949, Serial No. 116,589
4 Claims. (Cl. 177—324)



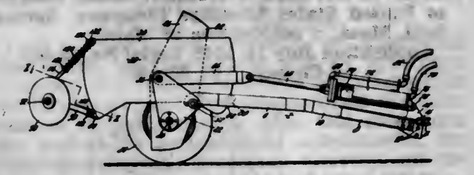
1. A cuckoo signal for doors and the like, comprising a bird house, a cuckoo movably mounted in said bird house for forward movement to exposed signalling position and for backward movement to concealed non-signalling position, a solenoid connected to said cuckoo for moving the cuckoo forwardly to signalling position when the solenoid is energized, a spring connected to the cuckoo for retracting the cuckoo to non-signalling position when the solenoid is de-energized, a sound-producing mechanism for producing a plural note sound representative of the call of the cuckoo bird when said cuckoo is moved forwardly to signalling position, a plurality of bellows for actuating said sound-producing mechanism, a cam rotatably mounted adjacent each bellows for actuating said bellows, said cams being axially aligned, and a motor to rotate said cams, each said bellows being expandable in an upward direction in response to the cam action thereon and being provided with weights for contracting them in a downward direction when they are freed from the cam action, one of said bellows being provided with a support on which rests the tail of the cuckoo, said cuckoo being pivotally mounted on a transversal extending pivot for pivotal movement thereof when said bellows expands and contracts.

2,568,627

EARTH CARRYING SCRAPER

Albert R. Henry, Salina, Kans., assignor to Henry Manufacturing Co., Inc., Topeka, Kans., a corporation of Kansas

Application January 7, 1948, Serial No. 952
2 Claims. (Cl. 37—129)



1. A scraper comprising a pair of spaced apart parallel support members, an outwardly spaced ground-engaging wheel carried for rotation on a transverse axis by each of said support members at one corner of a vertically disposed triangle, a draft yoke having its straight arms pivotally connected to said support members on a transverse axis at a second corner of said triangle and extending forwardly, a unitary bowl open at top and bottom pivotally supported between said support members on a transverse axis at the third corner of said triangle, a roller carried for rotation by said bowl and adapted to engage a longitudinally formed track formed by the arms of said draft yoke, a scraper pan pivotally carried within said bowl on said bowl axis and pivotally connected to said draft axis, and powered means carried by said yoke for moving said bowl longitudinally relative to said yoke, whereby said scraper pan may be tilted to bring its forward cutting edge into contact with the earth, tilted rearwardly to a carrying position substantially within said bowl, and tilted still farther rearwardly to a dumping position, said bowl being bodily elevated and maintained substantially upright as said pan is tilted rearwardly.

2,568,628
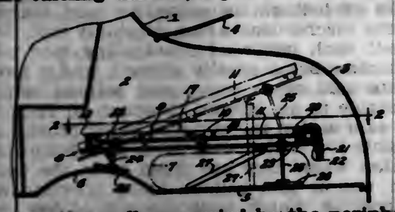
ROTATABLE TRAY FOR MOTOR VEHICLE LUGGAGE COMPARTMENTS

Raymond L. Herring, Pataskala, Ohio

Application October 8, 1949, Serial No. 120,333
3 Claims. (Cl. 224—42.43)

1. Turnable article-supporting apparatus for installation in automobile luggage-storage compartments comprising: a base plate, leg means for removably supporting said base plate above the floor of an automobile luggage-storage com-

partment normally in a substantially horizontal plane, an article-receiving table member supported on said base plate for turning movement about a substantially vertical axis, means for fastening said table member to said base plate to resist turning thereof, a plurality of antifric-



tion supporting rollers carried by the peripheral portion of said table member for supporting engagement with the upper surface of said base plate, means providing for bodily tilting movement of said base plate and said table member, and prop means for retaining said base plate and its table member in an elevated inactive position.

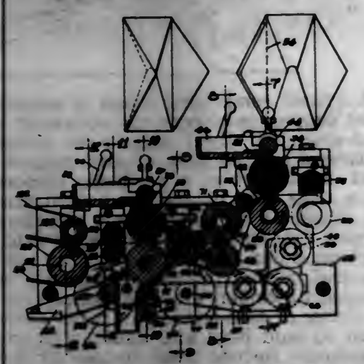
2,568,629

FLAP GUMMING AND FOLDING MECHANISM FOR ENVELOPE MACHINES

Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application July 13, 1948, Serial No. 38,494

2 Claims. (Cl. 93—62)



1. In an envelope machine, bottom flap gumming means, means for successively conveying to said gumming means, bottom flap foremost, envelope blanks each with its side flaps folded over upon the blank body and with its bottom and seal flaps extended, bottom flap folding and sealing means including a pair of opposed rollers, suction-creating means disposed longitudinally across the face of one of said rollers for gripping the ungummed face of each blank along a line corresponding to the juncture of the flap and the blank body as the same emerges from said gumming means and for delivering the same to the bite of said opposed rollers thereby to cause the flap to be folded in seam forming relation against the side flaps, seal flap gumming means including first and second opposed rollers, a gumming element carried upon said first roller, means to rotate said second roller at a substantially reduced speed relative to said first roller, a pair of opposed transfer rollers for delivering the envelope blanks from said folding rollers to said seal flap gumming rollers, and suction-creating means disposed longitudinally across the face of one of said transfer rollers for gripping the folded over portion of said blank as the same emerges from said folding rollers and for delivering the same to the bite of said transfer rollers.

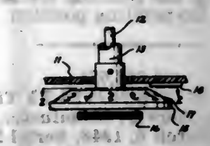
2,568,630

TUNING KNOB

John L. Hoellerich, Wilmette, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application November 22, 1949, Serial No. 128,810

8 Claims. (Cl. 116—124.2)



1. Tuning apparatus for a television receiver set comprising a tuning knob having a chamfered face toward said television set, said face having indicia corresponding to television frequency channels, and a mirror on said set adapted to reflect the particular indicia corresponding to the channel tuned and shaft means in connection with said set to support said knob in place.

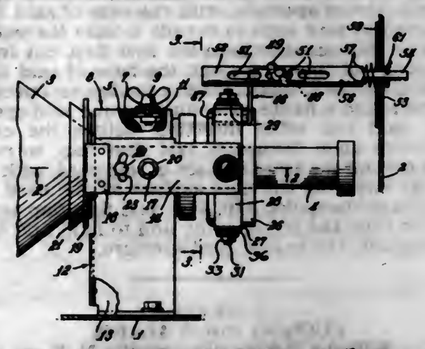
2,568,631

FOCUS COIL SUPPORT AND CONTROL

John L. Hoellerich, Wilmette, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application January 27, 1950, Serial No. 140,870

12 Claims. (Cl. 313—84)



1. The combination with a focus coil supported by a gimbal ring for operative association with a cathode ray tube within a cabinet having an aperture in one of the walls thereof, of an extension mechanism coupled to the focus coil by which said focus coil is adapted to be moved about its axes, adjustment means in connection with the extension mechanism to provide for extension of said mechanism an operative distance through said aperture, and means in connection with said extension mechanism by which said aperture is adapted to be closed regardless of the extent to which said extension mechanism is moved about its axes.

2,568,632

FOAM CONTROLLING DISPENSER FOR EFFERVESCENT LIQUIDS

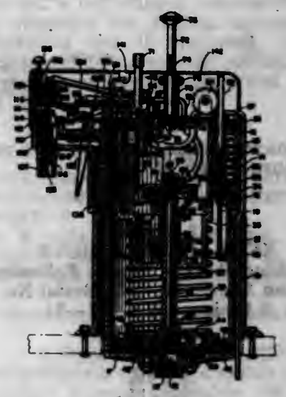
Thomas A. Hutsell, Renton, Wash.

Application August 10, 1946, Serial No. 689,782

9 Claims. (Cl. 222—389)

1. In a dispenser of the type adapted to measure and dispense effervescent liquids stored

under pressure, a dispensing housing having a main cylinder therein; a piston disposed for reciprocation in said cylinder; said cylinder having an inlet opening, at one end of the path of said piston, to be connected to the source of liquids; spring means secured to said cylinder and positioned to force said piston toward said inlet opening; a piston valve carried by said piston; a gas admission valve to be connected to a source of gas under pressure; means for operating said piston valve connected to said gas admission valve having spring means tending to open said piston valve and having gas-operated means to close said piston valve when said gas admission



valve is opened; means adapted to open said gas admission valve; said dispensing housing having a spirally disposed annular discharge passage connected to said main cylinder on the opposite side of said piston from said inlet opening; means for varying the length of said annular passage; and means for releasing the gas from said gas-operated means to close said piston valve, when the piston has traveled an adjustable predetermined distance away from said inlet opening, thereby permitting said spring means tending to open said piston valve, to open said piston valve and permitting said spring means secured to said cylinder, to move said piston toward said inlet opening.

2,568,633

DITHIOCARBAMIC ACID REACTION PRODUCT

Jacob Eden Jansen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Original application October 5, 1944, Serial No. 557,384. Divided and this application March 19, 1948, Serial No. 15,979

4 Claims. (Cl. 260—243)

1. The process which comprises adding a salt of dithiocarbamic acid to a mixture of an aqueous solution of a mineral acid with an alpha, beta-unsaturated compound selected from the class consisting of alkyl esters of acrylic acid and acrylonitrile while maintaining the temperature from about 0 to about 40° C., whereupon dithiocarbamic acid liberated in situ adds to the alpha, beta unsaturation to form an addition compound and then recovering the said addition compound.

2,568,634

PREPARATION OF BETA-ACYLOXY CARBOXYLIC ACIDS AND ANHYDRIDES

Jacob Eden Jansen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application February 19, 1949, Serial No. 77,454

10 Claims. (Cl. 260—491)

1. The method which comprises bringing together in the presence of a mineral acid catalyst a saturated aliphatic beta-lactone and a compound selected from the class consisting of carboxylic acids in which the hydrogen atoms not attached to carbon atoms are present in carboxyl groups, and anhydrides in which all the hydrogen atoms are attached to carbon atoms, thereby to obtain a compound selected from the class consisting of beta-acyloxy carboxylic acids and beta-acyloxy carboxylic anhydrides.

2,568,635

PROCESS FOR PREPARING ALPHA-BETA UNSATURATED CARBOXYLIC ACIDS

Jacob Eden Jansen, Akron, and Warren L. Becars, Cleveland, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 22, 1950, Serial No. 151,311

5 Claims. (Cl. 260—526)

1. In a method for preparing an alpha-beta unsaturated monocarboxylic acid by pyrolyzing a polymer of a beta-lactone of a monocarboxylic acid having at least one unsubstituted hydrogen atom on its alpha carbon atom and containing only unreactive hydrocarbon substituents, the improvement which comprises carrying out the pyrolysis in the presence of superheated steam.

2,568,636

PROCESS FOR PREPARING ANHYDROUS ALPHA-BETA UNSATURATED CARBOXYLIC ACIDS

Archie B. Japs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application July 29, 1950, Serial No. 176,778

7 Claims. (Cl. 260—526)

1. In a method for preparing an alpha-beta unsaturated monocarboxylic acid by pyrolyzing a polymer of a beta-lactone of a monocarboxylic acid having at least one unsubstituted hydrogen atom on its alpha carbon atom and containing only unreactive hydrocarbon substituents, the improvement which comprises carrying out the pyrolysis in the presence of a triaryl phosphate.

2,568,637

FRYING PAN COVER

Joaquim S. Jardim, Newark, N. J.

Application April 27, 1950, Serial No. 158,422

4 Claims. (Cl. 183—1)



1. A porous grease retainer for the interior of a dome-shaped frying pan cover, comprising a

ring within the cover and of a diameter to abut the inner face of the cover closely adjacent its bottom edge, the cover having spaced perforations at a point substantially midway between said ring and the top of the cover, a piece of fabric within the cover and having its peripheral edges secured to said ring, and means releasably securing the center portion of said piece of fabric to the inner face of the cover at the top thereof.

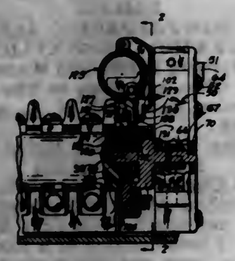
2,568,638

POSITIVE CLUTCH MECHANISM

Max Leroy Jeffrey, Shaker Heights, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio

Original application July 1, 1944, Serial No. 543,114. Divided and this application May 10, 1947, Serial No. 747,348

7 Claims. (Cl. 192—67)



1. A mechanism of the class described including a driving and a driven member disposed in axially aligned relation and having coaxial flanges disposed in abutting relation to provide a chamber, an opening through each of said flanges, means interposed in said openings of said flanges comprising a pair of lever elements each including a body disposed in said chamber and tiltable axially therein and each having a tongue extending from said body through said opening at least one of which is adapted to cross the junction of said flanges when said openings in the respective flanges are in alignment, said tongues being tiltable into their respective openings to a position where the junction of the flange is no longer crossed thereby.

2,568,639

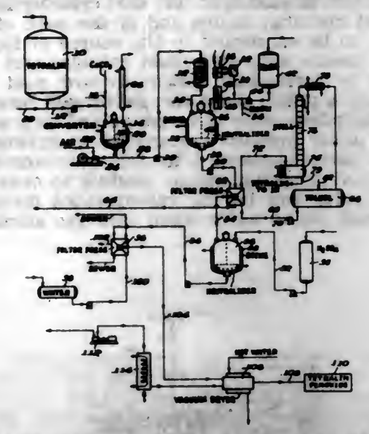
PRODUCTION OF TETRAHYDRONAPHTHALENE PEROXIDE

Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application November 2, 1946, Serial No. 57,967

3 Claims. (Cl. 260—610)

1. In the production of tetrahydronaphthalene peroxide wherein tetrahydronaphthalene is oxidized by oxygen-containing gas to form a reaction mixture containing a substantial amount of tetrahydronaphthalene peroxide, the method of obtaining a high yield of tetrahydronaphthalene peroxide from said reaction mixture which comprises forming a granular precipitate of the sodium compound of tetrahydronaphthalene peroxide by neutralizing said reaction mixture with a dilute solution of caustic soda containing about 5 to 10 percent of sodium hydroxide while cooling said reaction mixture and caustic solution to a temperature below 15° C. to remove the heat of neutralization, filtering out said granular precipitate from supernatant liquid, recovering free tetrahydronaphthalene peroxide from said precipitate by acidification, and drying the free



tetrahydronaphthalene peroxide in a vacuum at a temperature below 50° C.

2,568,640

SELF-LOCKING BOLT

James H. Kindelberger, Pacific Palisades, Calif.

Application August 21, 1948, Serial No. 45,468

5 Claims. (Cl. 151—7)



2. A self-locking bolt comprising a shank having a threaded end portion and a recess formed in said end portion and interrupting the threads, said recess being formed with the largest cross-sectional area at the extreme outer end of said end portion and of constantly diminishing cross-sectional area as said recess extends longitudinally of said shank from said outer end; an element of resilient plastic material received in said recess with the lower portion of said element completely filling the corresponding portion of said recess and projecting beyond the inner root diameter of said threads to be engaged by threads of a female member to force said projecting portion into firm engagement with the threads of said female member to thereby interlock the female member and bolt, the upper portion of said element being tapered toward its upper end to expose at least one thread of said bolt for ready engagement by the threads of said female member.

2,568,641

CAM-CLOSING PIVOTED-JAW PLIERS HAVING DISPLACEABLE-HALF-NUT ACTUATOR

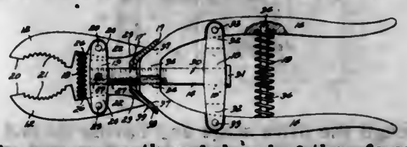
Walter B. Kramer and Thomas A. Moore, Affton, Mo.

Application June 18, 1949, Serial No. 99,894

2 Claims. (Cl. 81—49)

1. A plier comprising two like gripping jaws having rear convexed cam faces, a yoked member to which the jaws are pivotally connected, a stationary stem projecting rearwardly from the yoked member having a screw-threaded forward

end portion, a non-screw-threaded rear end portion and a head on the free end of the stem, a pair of operating handles having forward cam faces, inwardly projecting heads on the inner ends of the handles, matching internal screw-threads on said handle heads adapted for engagement with and disengagement from the stem screw-threads, a yoked member slidably mounted



on the non-screw-threaded end of the aforesaid stem to which the operating handles are pivotally connected, a bell shaped ring having a central opening mounted for sliding movement on the screw-threaded end of the stem, an expansion spring disposed between the operating handles, and an expansion spring interposed between the gripping jaws.

2,568,642

PRODUCTION OF DICHLORODODECAFLUOROHEPTANE AND DERIVATIVES THEREOF

Karl W. Krantz, Wilmington, Del., assignor to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application April 5, 1946, Serial No. 659,856

4 Claims. (Cl. 260—653)

3. The method of making a highly pure dodecafluoroheptene fraction suitable for use in the manufacture of chlorine-free perfluoroheptane from a mixture of polychlorinated heptanes containing between 10 and 12 chlorine atoms per molecule, which comprises fluorinating the mixture to a fluorine content of at least 50% by weight by treatment with pentavalent antimony halides containing fluorine, separating from the fluorinated product a distillate fraction distilling between about 70° C. and about 74° C. at standard pressure and comprising a compound having the formula $C_7H_2F_{12}$, chlorinating this fraction to a chlorine content of about 20% by weight, separating from the chlorinated product a fraction distilling at about 126° C. at standard pressure, and dechlorinating this fraction to provide an organic product essentially consisting of dodecafluoroheptene free from organic chlorine.

2,568,643

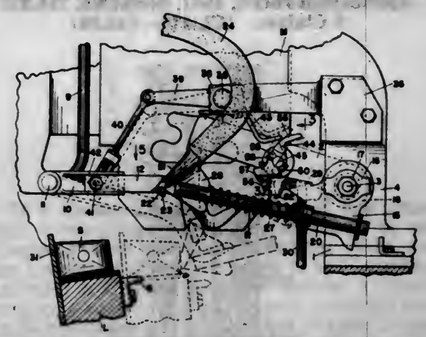
CONTROLLER FOR PNEUMATIC THREAD REMOVERS

Clarence R. Kronoff, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application March 25, 1950, Serial No. 151,875

10 Claims. (Cl. 139—256)

1. In a weft replenishing loom, a bobbin transferrer member having an operating stroke incident to a weft replenishing operation of the loom, a thread remover member normally in thread non-pick-up position but movable to thread pick-up position, means including two cooperable relatively movable elements, one on each of said members, in cooperative position incident to a replenishing operation of the loom to transmit force from the transferrer member to the remover member upon an operative stroke of the transferrer member to move the remover member to thread pick-up position, a shuttle position detector in detecting position incident to a weft replenishing operation, and means controlled by the shuttle position detector effecting relative movement of said elements to non-coop-



erative position upon movement of the shuttle position detector away from the detecting position thereof by a misplaced shuttle to prevent the transferrer member from moving the remover member to pick-up position.

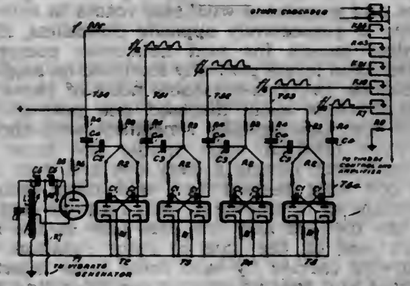
2,568,644

ELECTRICAL MUSICAL INSTRUMENT

Merwin J. Larsen, Villa Park, and Norman B. Erickson, Chicago, Ill., assignors to Central Commercial Company, a corporation of Illinois

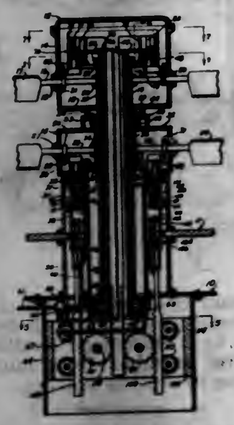
Application April 6, 1950, Serial No. 154,262

19 Claims. (Cl. 84—1.19)



1. A musical instrument of the class employing an electrical network including an output circuit having an electroacoustical translating device; said instrument comprising a control frequency source including a control frequency oscillator producing an output wave of a given frequency; a series of driven multivibrator stages, each having a pair of triodes, a resistive mesh embodying two resistances connected to the respective plate circuits of said triodes and a single resistance connected to said two resistances to provide a common junction point between the former and the latter, said single resistance connected to $a+B$ supply source, and a resistance to ground in each of the grid circuits of said triodes; a capacitive coupling between the output of said control frequency oscillator and the junction point at the plate resistances of the first multivibrator stage; a capacitive coupling between the output of the first multivibrator stage and the junction point at the plate resistances of said second multivibrator stage; and keying-circuits connecting said control frequency oscillator and said multivibrators for selective transmission to said output circuit of output waves from said oscillator and said multivibrators.

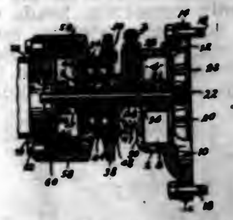
2,568,645
HELICOPTER
David Leskinen, San Francisco, Calif.; Lempi Leskinen administratrix of said David Leskinen, deceased
Application July 1, 1947, Serial No. 758,815
8 Claims. (Cl. 170—135.24)



3. In a helicopter having a body structure, a pair of oppositely-rotatable, co-axial rotors each having a hub and a plurality of rotor blades journaled in said hub for pitch-changing rotational movement about their longitudinal axes, means supporting said rotors from said body structure, and means carried by said body structure and connected with said rotors to drive the latter in respectively opposite directions, flight-control means for said helicopter comprising three hand levers pivotally mounted on said body structure, two non-rotatable nests of three concentric rings each, disposed one nest in each rotor hub substantially concentric with the axis of rotor rotation, each middle and inner ring of each nest having a cam lobe and cam dwell on one edge thereof and said rings being so arranged as to provide in each nest one cam lobe at the forward and one cam lobe at the rearward side of the axis of rotor rotation, cam followers carried by said rotor hubs internally thereof and bearing against corresponding edges of the rings of the respective nests, means connecting each rotor blade at its inner end to a respective cam follower to change the pitch angles of said blades as the cam followers are moved by said rings and thereby provide a total pitch change for said blades and a cyclic pitch change at the forward or rearward side of the axis of rotor rotation, and means connecting said hand levers to said rings for manual movement of said rings by said hand levers during rotation of said rotors.

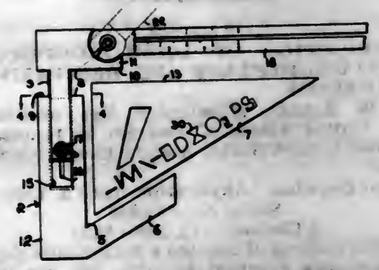
2,568,646
PUMP
George N. Little, Kansas City, Mo., assignor of one-fourth to Walter S. Pyle, Kansas City, one-fourth to Charles O. Spangler, and one-fourth to J. Leo Spangler, both of Independence, Mo.
Application January 22, 1948, Serial No. 3,757
2 Claims. (Cl. 103—103)

2. In a pump, an integral housing having a chamber with inlet and outlet openings, an impeller located in the chamber, a drive shaft extending axially through the housing and upon which the impeller is fixed, a bearing arranged exteriorly upon the housing, a pulley mounted upon the bearing, spaced means projecting from one side of the pulley, and a pin extending



through the drive shaft and having its end portions confined in recesses formed in said spaced means.

2,568,647
DRAFTING INSTRUMENT
Louis Macha, Jr., Houston, Tex.
Application February 7, 1948, Serial No. 6,872
2 Claims. (Cl. 33—108)

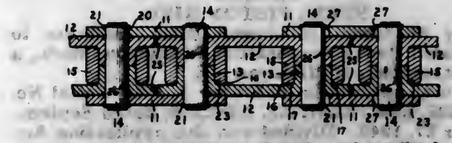


1. A device for drawing parallel lines at an equal given distance apart comprising, a triangular shaped body having a base with two lateral projecting arms extending therefrom, one of said arms intersecting said body at an angle less than 90° and the other arm intersecting said body at a 90° angle, said last mentioned arm being movable laterally of said body to maintain a predetermined spaced relationship between the point of intersection of said body and said last mentioned arm, and a triangular shaped member interfitting with said body against said base and between said arms whereby said member can be moved against one of said laterally projecting arms to make a line along said member and then moving said member against the other of said arms to mark a second line along said member parallel to said first mark, and an extension pivotally secured on said 90° arm whereby a mark can also be made along said extension and along said arm which intersects said body at an angle less than 90°

2,568,648
METHOD OF POLYMERIZING BUTADIENE-1,3 HYDROCARBONS IN AQUEOUS EMULSION IN THE PRESENCE OF MERCAPTO-SUBSTITUTED MONOCARBOXYLIC ACID ESTERS
John C. McCool, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 26, 1946, Serial No. 718,600
1 Claim. (Cl. 260—84.3)

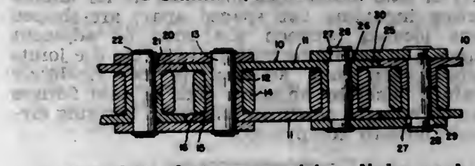
The method which comprises polymerizing in aqueous emulsion a mixture comprising butadiene-1,3 and styrene in the presence of 2-mercapto ethyl lambda-hydroxy stearate.

2,568,649
CHAIN STRUCTURE
Donald J. McIntosh and Mitchell Smith, Detroit, Mich., assignor, by mesne assignments, to said Mitchell Smith, Detroit, Mich.
Application December 24, 1947, Serial No. 793,736
8 Claims. (Cl. 74—255)



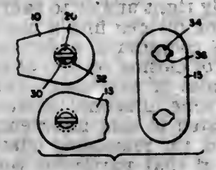
1. A sprocket chain of the class described comprising links each of which includes a pair of identical link bars having integral inwardly extending sleeves or collars at opposite ends of the link bars, the ends of said sleeves or collars abutting to define a roller supporting, pin receiving journal, a roller on said journal, the ends of said roller being chamfered to reduce the area of contact between the ends of said roller and the inner surface of said link bars, pins extending through said journal, and link plates connecting adjacent links together, said link plates having openings adjacent their ends for receiving the projecting ends of said pins.

2,568,650
CHAIN STRUCTURE
Donald J. McIntosh and Mitchell Smith, Detroit, Mich., assignors, by mesne assignments, to said Mitchell Smith, Detroit, Mich.
Application February 16, 1948, Serial No. 8,664
1 Claim. (Cl. 74—255)



A sprocket chain comprising links each of which comprises a pair of identical link bars, the ends of which are formed on circular arcs, each link bar having integrally formed tubular collars adjacent its ends, the axes of said collars being spaced inwardly from the centers of curvature of the ends of said link bars, said link bars being assembled in pairs with the ends of their collars abutting, tubular rollers surrounding said collars, the corners between the inner surfaces of said link bars and the collars formed thereon being rounded to form fillets, the ends of said rollers being relieved to clear said fillets, pins extending through said collars and laterally beyond the outer surfaces of said link bars, a pair of link plates having pin receiving openings adjacent their ends assembled against the outer surfaces of adjacent pairs of said link bars, each link plate of the pair being permanently connected at one end to one end of one of the pins associated therewith, the other end of said pins having a headed end, the other end of each of said link plates having an enlarged opening through which the headed end of the associated pin may pass, the curved ends of adjacent link bars being in proximity when adjacent link bars and link plates are aligned and serving to retain the headed end of said pins out of alignment with the enlarged openings in the associated link plates, the curved ends of said link bars being spaced when adjacent link plates and link bars are angularly related to permit removal of said link plates.

2,568,651
CHAIN STRUCTURE
Donald J. McIntosh and Mitchell Smith, Detroit, Mich.; said McIntosh assignor to said Smith
Application June 13, 1949, Serial No. 98,735
5 Claims. (Cl. 74—254)



2. In a chain, a pair of elongated link plates having overlapping ends, like openings in said overlapping ends disposed to match when said plates are out of alignment, each of said openings comprising a circular portion having a lateral extension, a connecting pin in said openings having a lateral extension at one end shaped to pass through the lateral extensions in said openings when in registry therewith and to serve as a retainer when out of alignment therewith, and means retaining said pin against rotation in one of said openings.

2,568,652
SWITCH BLADE
Edwin August Miller, Fairfield, Conn.
Application October 7, 1947, Serial No. 778,443
3 Claims. (Cl. 200—67)

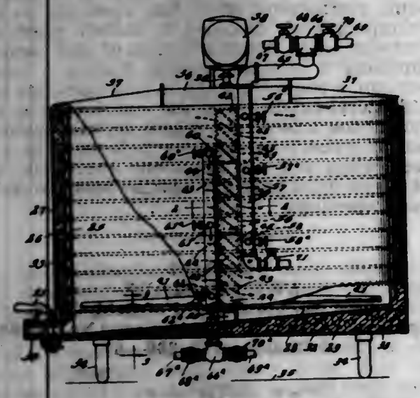


1. A switch blade means for an electric switch, said means comprising a sheet-metal body having an elongated opening therethrough, upper and lower contacts carried by said body upon opposite surfaces thereof and movable therewith between fixed stops, a rigid projection provided by said body and extending into one end of said opening, a compression arm carried by said body and extending into said opening from the opposite end thereof, said arm having a reduced extremity providing shoulders thereon, a tiltable rigid link having bent end portions, a cupped groove exteriorly provided in one of said bent end portions for a hinged engagement therein with said rigid projection, a slot provided through the other bent end portion for a sliding engagement therein of a portion of said compression arm, spring means carried by said reduced extremity of the compression arm, the opposite end of said means engaged by a part of said link, and an actuating member engageable with a surface of the compression arm for moving said arm, and the connected link, through said opening, past center and to an off-centering position with respect to said blade which is thereby distorted with consequent snap acting movement from one to another of said fixed stops.

2,568,653
HEAT EXCHANGE RECEPTACLE
Timothy Mojonnier, Oak Park, and Oliver W. Mojonnier, River Forest, Ill., assignors to Mojonnier Bros. Co., a corporation of Illinois
Application September 6, 1946, Serial No. 695,148
6 Claims. (Cl. 257—203)

6. In a receptacle of the class described, the combination of a sheet metal shell, a corrugated sheet metal wall secured and sealed to said shell

along its valleys to provide a series of independent parallel ducts for conveying a temperature conditioning fluid in intimate contact with said shell, said corrugations extending around said shell and terminating in opposing open ends located upon opposite sides of an intervening space extending at substantially right angles to said corrugations, said series being divided into a plurality of zones and each zone comprising a plurality of parallel ducts, means for closing certain of said open ends on opposite sides of said space and at opposite ends of each zone, diagonal channel means for each zone located in said intervening space and interconnecting the remaining offset unobstructed duct ends of that particular zone to provide for a zonal flow of the temperature conditioning



fluid, an outer enclosing wall, an inlet for each zone communicating with the said closed duct ends located on one side of said intervening space, an outlet for each zone communicating with the other closed duct ends located on the other side of said intervening space, said outlet comprising a sheet metal channel-forming passage extending in a lengthwise direction parallel to said shell and communicating with said zonal outlets through openings in the appropriate corrugations and passing over said intermediate corrugations in a broad narrow passageway located wholly within the wall of the receptacle between its inner shell and its outer wall and terminating beyond the same, and insulation within said outer enclosing wall on the one hand and said corrugated wall and outlet channel wall on the other.

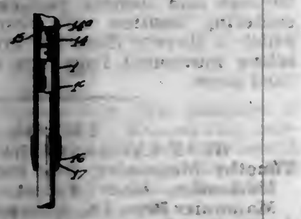
2,563,654

CRUTCH

Charles B. Neptune, Los Angeles, Calif.

Application April 29, 1946, Serial No. 665,863

3 Claims. (Cl. 135—50)



1. A crutch, comprising a straight tubular portion open at its lower end, a leg adjustably extending into said tubular portion and provided at its inner end with a frustoconical portion, a plurality of balls located between the interior of the tubular portion and the frustoconical portion, and contractible means at the lower end of the tubular portion for retaining the leg in longitudinally adjusted position.

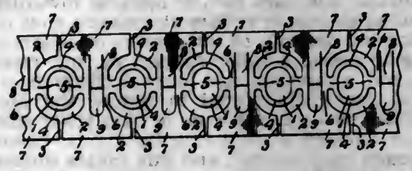
2,568,655

STEEL PISTON RING

Holly M. Olson, Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan

Original application February 9, 1948, Serial No. 7,093, now Patent No. 2,482,990, dated September 27, 1949. Divided and this application August 8, 1949, Serial No. 109,175

4 Claims. (Cl. 309—44)



1. A piston ring of thin flat metal comprising, a plurality of connected sectors, each having a pair of spaced back portions and a flange extending from each end thereof, said flanges being substantially parallel to each other and spaced apart, adjacent ends of successive flanges being separated from but closely adjacent each other, said pairs of backs being of narrower width than the lengths of the flanges, and connecting members between successive pairs of backs of the sectors integrally connected at their ends thereto, each of said connecting members at its middle portion including two spaced apart arc-shaped loops located between the ends of adjacent flanges and extending outwardly across the joints therebetween and adapted to be yieldingly strained, whereby adjacent ends of said flanges may be brought closer together and the ring circumferentially compressed.

2,568,656

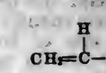
COPOLYMERS OF AN ISOOLEFIN AND A VINYL CYCLOOLEFIN

Charles I. Parrish, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 2, 1946, Serial No. 651,613

4 Claims. (Cl. 260—88.1)

1. The process of preparing a solid sulfur vulcanizable copolymer of a major proportion of an isoolefin and a minor proportion of a vinyl cycloolefin which comprises treating a hydrocarbon mixture containing 80 to 99 parts by weight of an isoolefin having from 4 to 5 carbon atoms and 1 to 20 parts of a vinyl cycloolefin of the structure



wherein R is an alicyclic hydrocarbon radical containing from 4 to 10 carbon atoms from 4 to 6 of which are present in an alicyclic ring, having its connecting valence on a ring carbon atom, and containing a carbon to carbon double bond between two ring carbon atoms, at a temperature between −20 and −150° C. with a catalyst solution consisting of a Friedel-Crafts metal halide catalyst dissolved in a low freezing organic solvent which is liquid at the reaction temperature.

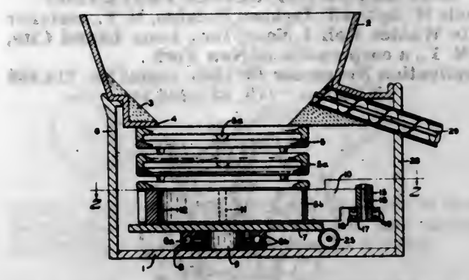
2,568,657

FURNACE GRATE STRUCTURE, INCLUDING ASH REMOVAL MEANS

William F. Pfau, Norwood, Ohio

Application December 15, 1947, Serial No. 791,859

4 Claims. (Cl. 110—36)



1. A combustion device for burning solid fuels comprising a fire box forming a combustion chamber, a plate beneath the fire box and disposed horizontally for supporting the solid fuel thereon, a bearing for movably supporting the plate, a lever arm pivoted intermediate its length to the plate for moving relatively to said plate and having a terminal portion extending horizontally adjacent the top surface of the plate, and means for moving the plate and lever arm relatively to each other for causing the terminal portion of the lever arm to push the material in the bottom of the combustion chamber over the surface of the plate.

2,568,658

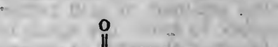
METHOD OF POLYMERIZING POLY-UNSATURATED ESTERS

Frank B. Pope, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application March 12, 1947, Serial No. 734,227

4 Claims. (Cl. 260—77.5)

1. The method of producing hard, non-thermoplastic, strain-free articles from liquid poly-unsaturated esters of the class having the general structure



wherein R is an alkenyl group containing from 2 to 5 carbon atoms and containing a methylene (CH_2) group attached by a double bond to a carbon atom, x and y are numbers from 0 to 1 inclusive, the sum of which is from one to two, n is an integer from 2 to 4, and A is an inactive organic radical having a valence equal to the value of n, having its connecting valences attached to separate carbon atoms, and containing in addition to hydrocarbon structure no substituent groups other than those selected from the class consisting of halogen atoms, keto groups, sulfo groups, carboxylic acid groups and amine groups, which method comprises preparing a mixture of monomeric and polymeric ester components consisting entirely of from 50 to 95% by weight of a liquid monomeric ester of said class and from 5 to 50% by weight of a hard, non-thermoplastic, completely insoluble polymer of an ester of said class in the form of particles which pass a 10 to 50 mesh screen to form a slurry of fine particles of polymer dispersed in said liquid monomeric ester, and then heating the slurry at a temperature of 50 to 100° C. to polymerize the said monomeric ester.

2,568,659

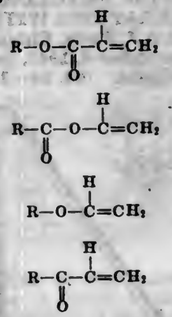
INTERPOLYMERS OF AN ALKYL ACRYLATE, A HALOALKYL VINYL COMPOUND, AND A DIVINYL ARYL HYDROCARBON

Jeston H. Powell, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application December 8, 1949, Serial No. 131,907

7 Claims. (Cl. 260—80.5)

1. An interpolymer prepared by the polymerization of a monomeric mixture comprising from 80 to 95% by weight of an alkyl acrylate, from 2 to 20% by weight of a haloalkyl vinyl compound selected from the class consisting of compounds of the structures



and

R being a haloalkyl radical, and from 0.1 to 5% by weight of a divinyl aryl hydrocarbon in which both vinyl groups are attached directly to the aromatic nucleus.

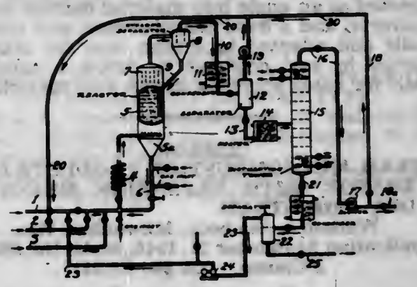
2,568,660

FLUORINATION PROCESS

Raphael Rosen, Elizabeth, N. J., assignor, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

Application July 16, 1942, Serial No. 451,117

2 Claims. (Cl. 260—653)



1. A process of completely fluorinating a hydrocarbon, which comprises establishing a fluid suspension of finely divided cobalt trifluoride in a closed reaction zone, circulating a portion of said suspension from the bottom of said reaction zone to a point where it is mingled with incoming hydrocarbon vapors, carrying the mixture of said hydrocarbon vapors and said cobalt trifluoride suspension up through a temperature regulating zone and back into said closed reaction zone, reacting said hydrocarbon vapor with said cobalt trifluoride in said reaction zone to substitute fluorine atoms for the hydrogen atoms of said hydrocarbon, separating the gaseous reaction products from entrained cobalt fluoride, condensing the higher boiling gaseous reaction products,

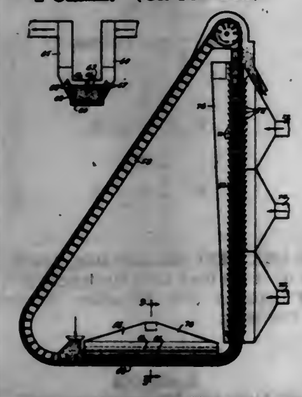
separating uncondensed carbon tetrafluoride therefrom, utilizing the separated carbon tetrafluoride as a diluent for incoming hydrocarbon vapors, fractionating the condensed higher boiling reaction products to boil off hydrogen fluoride, utilizing the boiled off hydrogen fluoride as a diluent for incoming hydrocarbon vapors, causing the liquid reaction products from which hydrogen fluoride has been boiled off to settle until two layers are formed, and returning the upper layer of incompletely fluorinated materials for further reaction with cobalt trifluoride.

2,568,661

APPARATUS FOR MINGLING SOLIDS AND FLUIDS TO TREAT ONE WITH THE OTHER

William J. Rowe, Chicago, Ill.

Application December 6, 1947, Serial No. 790,152
1 Claim. (Cl. 34—182)



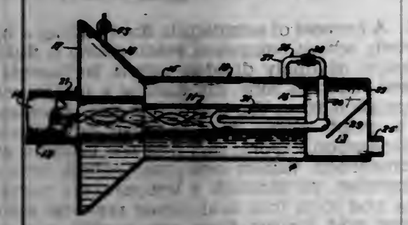
In apparatus for the continuous commingling of comminuted solids and gases for treatment one by the other, a conveyor, casing means arranged about said conveyor and defining the cross-section of a body of comminuted solids conveyed thereby, louvered apertures in walls of said casing defining gas inlet and exhaust passages directed at an angle into material carried by said conveyor, and a fixed baffle between said opposed walls and adapted to extend into the material carried by said conveyor to define a circuitous path for gases traveling across said material.

2,568,662

STEAM AND COMBUSTION PRODUCTS GENERATOR WITH EXPANSION MEANS TO DRY THE STEAM

William L. Sanborn, Milwaukee, Wis.

Application September 21, 1946, Serial No. 698,459
2 Claims. (Cl. 60—39.05)



1. A method of generating hot gaseous fluid including the steps of burning fuel to obtain a stream of combustion gases, applying the heat of combustion to a liquid to obtain a stream of wet vapor under pressure, reducing the pressure of said wet vapor stream in a plurality of stages to dry the stream by flash action, and intermingling the two streams.

2,568,663

SLIDER FOR SEPARABLE FASTENERS

Louis W. Schaaff, Jackson Heights, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York

Application November 19, 1946, Serial No. 710,809
3 Claims. (Cl. 24—205.14)



1. An automatic lock slider for slide fasteners comprising spaced front and rear wings defining a Y-shaped channel, a divider extending between said wings for effecting disengagement of oppositely disposed fastener elements arranged in parallel rows in response to movement of the slider in opening direction, a combined U-form locking and bail member extending between said wings in the crotch portion of the slider below said divider in position to act or to be acted upon by disengaged fastener elements disposed in said crotch portion, said member being made from spring material and being positioned so that its closed end projects through an aperture in the front wing and serves as a bail, the free ends of the legs projecting through an aperture in the rear wing and terminating flush with the outer face of said wing, said free ends being oppositely inclined to one another and bearing on the edges of the rear wing aperture which are correspondingly inclined, thereby normally to maintain said member in a normal retracted position, at least one of the legs of said member having a lateral projection adapted in said retracted position of the member to enter the space between two adjacent fastener elements of one row thereof upon the other leg being engaged by an opposite fastener element of the other row thereof, thereby to lock the slider against movement, a pull tab hingedly connected to said bail, cam means on said pull tab operative upon movement thereof to raised slider actuating position to effect forward bodily movement of the member through the slider to a position in which the projection on its one leg clears said fastener elements, said inclined free ends of the legs coacting with the inclined aperture edges to effect contraction of the legs responsively to said forward movement of the member, said contraction supplying a spring force for returning said member to its normal retracted position upon return movement of the pull tab to its normal lowered position.

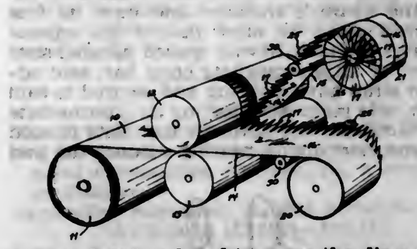
2,568,664

METHOD OF PRODUCING PAPER DRUM CONTAINERS

Arthur L. Scott, Columbus, Ohio

Application October 16, 1947, Serial No. 780,173
2 Claims. (Cl. 92—36.8)

1. A method of making a container comprising, serrating a strip of material, securing reinforcing discs to some of the serrations, winding the unserrated portion on a cylindrical form, bending the serrations radially inwardly to produce a closed end and to cause the discs to overlie portions of preceding serrations, and causing continguous layers of material to adhere.



2,568,665

WOODWORKING PLANE

Saul Shaler, Jackson Heights, N. Y.

Application April 2, 1948, Serial No. 18,662
4 Claims. (Cl. 145—13)



1. A woodworking plane comprising: a sheet metal stock having a sole with integral upturned side walls, said sole having formed therein a transverse mouth, a pitch plate secured to the stock and interposed between said walls and extending in an upward inclined relation back from the mouth and provided with tapered depending lateral flanges resting on the sole and secured in face contacting relation to the side walls of the stock, a headed post extending downwardly and threaded into a tapped hole in the pitch plate, a bit clamp apertured for detachable engagement with said post and carrying on its under side a clamping screw for engagement with a bit resting upon the pitch plate beneath the bit clamp to detachably secure the bit to the pitch plate with the cutting edge of the bit extending through the mouth of the sole, and a bit adjusting slide mounted for longitudinal movement against the under side of the pitch plate and having a projection extending upwardly through said plate to engage with a hole in the bit, said pitch plate being provided at its rear end with a depending apertured flange, and an adjusting screw extending through the aperture in said flange and engaging with said slide to adjust the slide in a direction longitudinally of the pitch plate to correspondingly adjust the bit with respect to the mouth of the plane.

2,568,666

ICE CREAM AND METHOD OF MAKING THE SAME

Hiram T. Spannuth, Chicago, Ill., assignor to Wilson & Co., Inc., a corporation of Delaware

No Drawing. Application July 15, 1947, Serial No. 761,162
5 Claims. (Cl. 99—136)

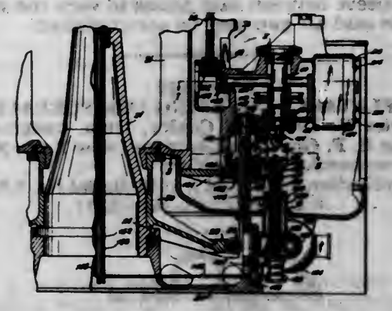
1. An edible product of the class consisting of an ice cream mix and ice cream in which the fat content consists essentially of butterfat, containing about 0.01% to 1% of a higher fatty alcohol having at least twelve carbon atoms in the molecule.

2,568,667

MACHINE TOOL

Otis E. Staples, Euclid, Ohio, assignor to The Cleveland Hobbing Machine Company, Euclid, Ohio, a corporation of Ohio

Application April 8, 1950, Serial No. 154,800
23 Claims. (Cl. 90—4)



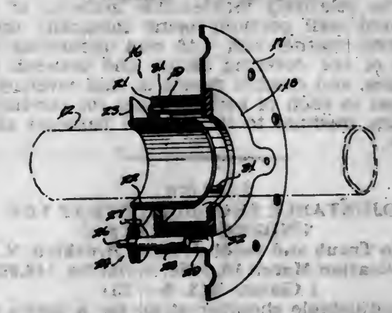
1. A machine tool of the character described comprising a base, a turret rotatably supported on said base, a plurality of machining units supported by said turret at circumferentially spaced points thereabout with each of said units including a slidable member movable relative to said turret and cooperating relatively rotatable members operatively connected with said turret and said slidable member for producing said relative movement, means for rotating said turret, means automatically terminating rotation of the turret as each unit is sequentially positioned at a single loading station, and rotation producing means mounted on said base and sequentially operatively engaged with one of said relatively rotatable members of each unit when the latter is positioned at said loading station to effect movement of said slidable member of that unit.

2,568,668

CATHODE-RAY TUBE FOCUSING DEVICE OF THE PERMANENT MAGNET TYPE

William F. Steers, Livingston, N. J., assignor to Best Manufacturing Co., Inc., Irvington, N. J., a corporation of New Jersey

Application August 18, 1950, Serial No. 180,135
3 Claims. (Cl. 313—84)



1. A permanent magnet focussing device for cathode ray tubes, comprising a pair of centrally-apertured magnetic pole plates to surround the neck of a cathode ray tube, and arranged to ex-

tend radially from the axis thereof, an axially symmetrical permanent magnet sleeve extending between said pole plates, an inner magnetic sleeve within said arrangement extending coaxially with the tube opening from one of said pole plates to a plane adjacent to the other pole plate to define a magnetic circuit including an air gap formed by said sleeve and said pole plate, and means for axially adjusting said inner magnetic sleeve, comprising a non-magnetic plate on said sleeve paralleling said magnetic pole plates and a clutch engaging said plate and said first magnetic pole plate whereby relative movement of said sleeve between said plates to vary the width of the said air gap may be accomplished.

2,568,669

INFLATABLE COVERING FOR SURFACES

Charles F. Tothcroh, Copley, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 23, 1948, Serial No. 3,946
6 Claims. (Cl. 244—134)



1. Apparatus for preventing the accumulation of ice upon a surface exposed to ice-forming conditions, said apparatus comprising a covering for said surface having walls therein defining a pair of alternately inflatable passages in side-by-side relation upon underlying material of the covering with adjacent marginal wall portions of the passages directly along side one another and joined together to provide a unitary wall between said passages, one of said marginal wall portions between the passages comprising extensible rubber material without extension-limiting reinforcement therein which rubber material also extends about the outer wall portion of one of said passages for extensive inflation of the passage to dispose the outer wall portion in overlapping relation to the margin of the uninflated other passage, and the other marginal wall portion between the passages comprising material relatively inextensible which material also extends about the outer wall portion of said other passage for restricting inflation of the passage to a width no greater than the width of the uninflated passage and for reinforcing both said marginal wall portions between said passages against rupture, while permitting the relatively greater distension of the first said passage, said extensible rubber material and the relatively inextensible material of said marginal wall portions being integrally united with one another and with said underlying material of the covering across and between said passages, and conduit means in said covering individual to each of said passages for conducting inflating medium to inflate said passages alternately.

2,568,670

ADJUSTABLE SHOULDER STRAP FOR UNDERGARMENTS

Milton Traub and Jacob A. Nyer, Brooklyn, N. Y.

Application March 10, 1950, Serial No. 148,966
1 Claim. (Cl. 2—125)

An adjustable shoulder strap for a lady's undergarment having opposed front and rear portions to be supported from the wearer's shoulder, comprising an adjustment strap having one end secured to the top edge of the front portion of the undergarment to extend vertically therefrom, a main strap having one end secured to the top edge of the rear portion of the undergarment to extend vertically therefrom over the top of the wearer's shoulder and have its free end depend along the outer face of the adjustment strap, a buckle having spaced parallel slots separated by an intermediate cross bar, said adjustment strap having its top end secured to said cross bar, said main strap having its intermediate portion laced slidably through said slots of said buckle and frictionally bearing against the end
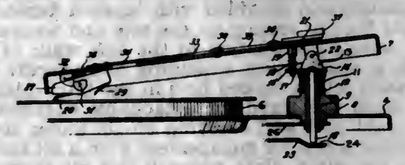


of said adjustment strap secured to said cross bar, and a slide fastener on the outer face of said adjustment strap between the ends thereof, said slide fastener including a lockable slider having a pivotally mounted tongue with a cross bar, said main strap having its free end secured to the cross bar of said tongue, so constructed and arranged that the length of the shoulder strap can be adjusted by sliding the main strap relative to said buckle and correspondingly adjusting the position of the lockable slider of said slide fastener.

2,568,671

PICKUP ARM

James E. Vistain, Jr., Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application December 7, 1948, Serial No. 64,020
10 Claims. (Cl. 274—23)



3. Apparatus of the class described comprising a pickup arm, a transducer, means to connect said transducer pivotally with said pickup arm, said transducer being pivoted on an axis located between its ends, slider mechanism slidably disposed on said pickup arm and having an extension resiliently engaging said transducer, said slider being slidable between a plurality of positions, said extension being thereby carried slidably across said transducer to engage said transducer on opposite sides of said axis whereby said transducer is moved to a plurality of positions.

2,568,672

METHYL SILOXANE RUBBER

Earl Leathen Warrick, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application March 29, 1948, Serial No. 17,799
5 Claims. (Cl. 260—205)

4. A composition comprising a liquid methylpolysiloxane of viscosity above 1,000 cs., having on the average between 1.75 and 2.25 methyl radicals per silicon atom, there being present in said polysiloxane at least 40 mol per cent

$(CH_3)_2SiO$

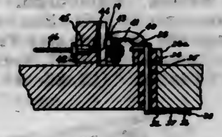
a filler in amount sufficient to form a pasty mass and from 2 to 6 per cent benzoyl peroxide based on the weight of methylpolysiloxane.

2,568,673

RESISTANCE-TYPE PHONOGRAPH PICKUP

Neil E. Washburn, Chicago, Ill., assignor to Admiral Corporation, Chicago, Ill., a corporation of Delaware

Application September 19, 1946, Serial No. 698,063
6 Claims. (Cl. 179—100.41)



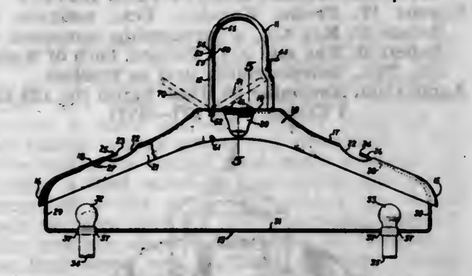
1. A phonograph pickup, or the like, including a support, a resistance element carried by said support and comprising a rubber body having conductive particles embedded therein throughout the body in juxtaposed relation to each other, said rubber body being formed to provide a reduced cross sectional area upon being stretched and the rubber carrying the particles into closer relation to each other to decrease the resistance, a voltage source connected to said resistance element, means to remove a voltage from said resistance element connected across at least a portion thereof and means to increase and decrease tension in the resistance element to vary the voltage thereacross, said support means for pretensioning the resistance element comprising support members spaced apart a greater distance than the length of the element in an untensioned state and arranged to hold the element in a pretensioned state when positioned thereon.

2,568,674

COAT HANGER

Alice E. Wieder, Los Angeles, Calif.

Application June 23, 1947, Serial No. 756,382
2 Claims. (Cl. 223—91)



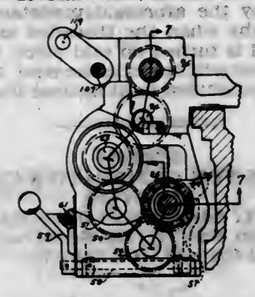
1. An improvement in clothes hangers comprising a hanger body, a tubular hook having a shank secured to said hanger body and a tip, a bolt extensible from the tip, a coil spring confined in the tip normally urging the bolt outwardly, a finger piece, a tie threaded through the hook and secured at one end to the finger piece and at the other end to the bolt, a tongue pivoted to the hanger body and engageable with the bolt in one pivotal direction in an extended position of the bolt to close the hook against outwardly directed forces but freed to pass said bolt upon actuation of the finger piece against the tension of the spring to permit the hook to open in either pivotal direction of the tongue.

2,568,675

MACHINE TOOL

Sterling F. Winchell, East Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Application December 31, 1946, Serial No. 719,280
19 Claims. (Cl. 29—47)



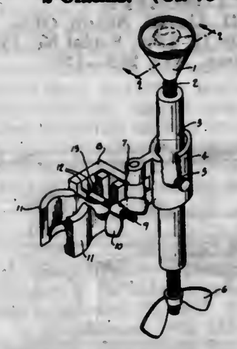
1. A machine tool of the type described comprising a work spindle adapted to selectively rotate a workpiece in opposite directions, a member movable relative to said work spindle and provided with means for holding a tool or tools, a feed shaft operatively connected with the work spindle for rotation in either direction in timed relation with the rotation of the work spindle, a lead screw, means operatively connecting said lead screw with said member to move the latter when the lead screw is rotated, and means for connecting said feed shaft with said lead screw for rotating the latter, the last-mentioned means including a selectively positionable member adapted to effect unidirectional rotation of said screw regardless of the direction of rotation of the feed shaft and a unidirectional rotation transmitting device interposed between said selectively positionable member and said screw for preventing rotation of the latter in the event said positionable member has been positioned to effect rotation of said lead screw in a direction opposite to said unidirectional rotation.

2,568,676

RIVET HOLDER

David Yellen and Seymour Moskowitz, New York, N. Y.

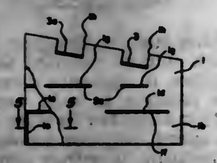
Application February 10, 1947, Serial No. 728,748
2 Claims. (Cl. 78—53.5)



1. In an anvil device for use in riveting sheet metal or other work, in combination, an elliptical

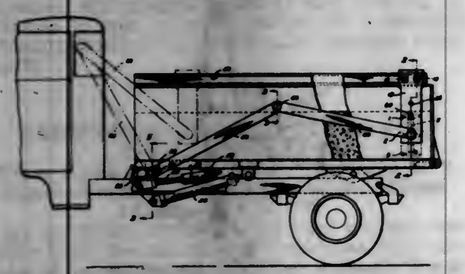
sleeve, means for anchoring said sleeve to a point of firm securement, an internally-threaded member pivotally mounted on said sleeve, a lead screw in said threaded member, an anvil secured at one end of said lead screw, said anvil having a central depression and at least one raised portion, said lead screw being turned to bring the head of a rivet rested in said central depression of the anvil a predetermined distance from the underside of the work, the distance from said pivotal axis to the said raised portion being greater than the distance from said axis to the said central depression by the aforesaid predetermined distance, whereby when the threaded member and its said anvil is turned on said pivot, one of said raised portions will underlie the rivet, the head of which will be jammed tight against the underside of the work.

2,568,677
TUBE RACK FOR QUALITATIVE CHEMICAL ANALYSIS
Fred L. Adelson, San Diego, Calif.
Application May 17, 1948, Serial No. 27,488
2 Claims. (Cl. 211—72)



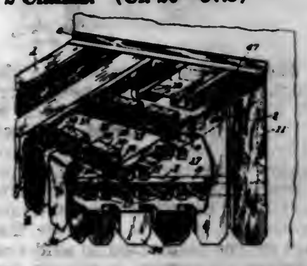
2. In a tube rack of the class described, the combination of a base having an integral foldable tube abutment plate, and integral folded end plates, said end plates provided with slotted portions therein adapted to receive projecting tabs of said abutment plate, said end plates having slotted portions, therein spaced above said first mentioned slotted portions and an indexing plate having projecting tabs fitted in said second mentioned slotted portions; open notched portions in the upper edge of said end plates, and a master plate provided with a plurality of tube-receiving openings therein having projecting tabs readily removably connected with said notched portions, the tabs on opposite ends of said master plate, and said indexing plate, respectively, being of different sizes, preventing the reversal of said master plate and said indexing plate relative to said base when assembling the same with said base.

2,568,678
APPARATUS FOR HANDLING MIXED CONCRETE
Ernesto D. Alessio, Akron, Ohio
Application July 13, 1950, Serial No. 173,556
3 Claims. (Cl. 259—178)



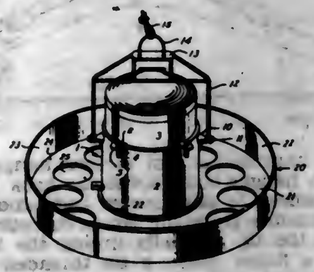
1. In combination with a truck body capable of containing liquid concrete, a track fastened along each side of the body, rollers to roll on said tracks, upright members supported by the rollers and located in the body and close to the two sides thereof, and stirring means which is supported by the uprights and extends substantially from one side of the body to the other and close to the bottom of the body from one side thereof to the other as well as a substantial distance above the bottom; and driving means for reciprocating the rollers, upright members and stirring means from one end of the tracks to the other.

2,568,679
AWNING
Charles J. Freeth, Pittsburgh, Pa.; Margaret Freeth, executrix of said Charles J. Freeth, deceased, assignor to Margaret Freeth
Application January 22, 1947, Serial No. 723,484
2 Claims. (Cl. 20—57.5)



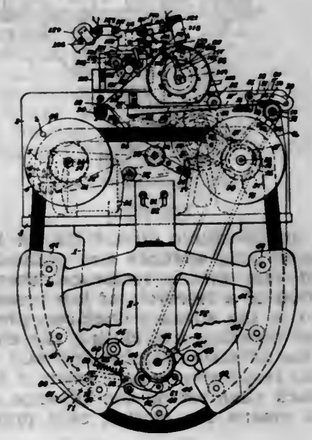
1. In an awning, the combination of a supporting frame, brackets having horizontally spaced projections and adjustably mounted in aligned spaced relation on said frame, a series of shakes each comprising a plate section with longitudinal depending portions, a channel member positioned over and resting on the spaced projections of each bracket and bearing against the under surface of the shake plate, and means securing the longitudinal depending portions of each shake to their respective adjacent spaced projections on said brackets for supporting the shakes in predetermined spaced relation on the frame.

2,568,680
UNDERWATER PROSPECTING DEVICE
Eugene W. Frowe, Houston, Tex., assignor to Robert H. Ray Co., a partnership composed of Robert H. Ray and J. C. Pollard, both of Houston, Tex., independently and as trustees
Application November 28, 1949, Serial No. 129,858
1 Claim. (Cl. 177—352)



An apparatus for submerging a detector instrument upon subsurface water covered areas including a container, comprising a lower body portion to receive a detector instrument, a cover therefor, a seal between said base and cover to exclude water, releasable means to clamp said cover and base to retain the instrument water tight, a bail pivoted to said container, a tow cable connected to said bail, a stabilizing base on said lower body comprising a circular base plate extending horizontally of said body, means on said body portion and said base plate to affix the body centrally thereof, a plurality of water passage openings circumferentially arranged in said plate and spaced radially outward from said body, an upstanding flange about the periphery of said base to provide a uniform condition of water turbulence between said flange and body to minimize destructive effects on the detector instrument.

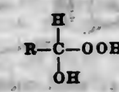
2,568,681
SOUND RECORDING AND REPRODUCING MACHINE
Jacob M. Kuhlik, Brooklyn, N. Y., assignor to Hattie B. Kuhlik, Sea Gate, N. Y.
Application December 8, 1943, Serial No. 513,491
3 Claims. (Cl. 274—11)



1. In a sound recording and reproducing machine, a casing, an endless traveling film band, means for moving said film band including a motor and drive shaft operatively connected thereto, a main carriage slidably mounted on said casing, means operatively connected to said drive shaft for sliding said main carriage including a feed screw on the casing operatively connected to the drive shaft and a bar on the main carriage having a screw-threaded semi-circular portion adapted to engage the threads on the feed screw, an auxiliary carriage slidably supported on the main carriage, means for sliding said auxiliary carriage, a turret head rotatably mounted on said auxiliary carriage, a recording sound head pivotally supported on said turret head and having a stylus adapted to be vibrated and pressed into the film band to form a sound groove therein and means for adjustably tensioning the pressure of the stylus upon the film band including a spring plate fixed on said turret head and a pivotal bar mounted on and across the pivotal support of the sound head adapted to be pressed downwardly by said spring plate against said support.

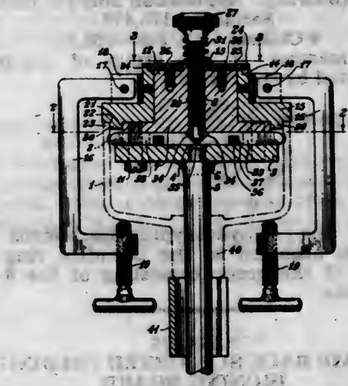
2,568,682
HYDROXYALKYLHYDROPEROXIDES
Charles L. Levesque, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application August 10, 1949, Serial No. 109,623
4 Claims. (Cl. 260—610)

1. As new compositions of matter, the 1-hydroxyisoalkylhydroperoxides-1 having the general formula



in which R represents an alkyl group having a branch chain containing 6 to 9 carbon atoms.

2,568,683
REGROOVING TOOL
Ernest J. Mayher, Kiwanis Lake, Ohio, assignor to The Trement Tool and Gage Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 25, 1948, Serial No. 46,035
1 Claim. (Cl. 77—2)



A regrooving tool comprising a work holder, means pivotally suspended from said holder for removably clamping a work piece thereto, a rotatable cutter support carried by said work holder, said cutter support comprising a rotatable base on which regrooving cutters are supported, a member carried by said support and having radially disposed cutter receiving channels opening from its under side and an axially disposed opening through said member, cutter adjusting means threaded into said opening and having a conical inner end engageable with the inner ends of regrooving cutters, a plurality of regrooving cutters slidable radially of said support and along said channels between the base and said member, said cutters each having a transverse guide, and a common resilient means associated with said guides and normally urging said cutters radially inwardly of said support to maintain said cutter inner ends constantly in contact with the inner conical end of said adjusting means.

2,568,684
VESTIBULE DIAPHRAGM
Richard F. Mihalyi, Rochester, N. Y.
Application October 24, 1947, Serial No. 781,789
11 Claims. (Cl. 105—18)

2. A vestibule diaphragm for a miniature railroad car comprising a plurality of spaced independent frame members, and a flexible tube

initially of smaller size than said members to enclose and retain the latter in spaced assembled relation, said tube being stretched to a larger



size at the planes of said members and being smaller than said members between the latter to provide a bellows-like structure.

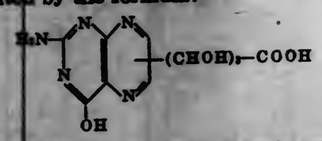
2,568,685

2-AMINO-4-HYDROXY-6-OMEGA-CARBOXY-TRIHYDROXY-PROPYLPTERIDINES

Harold G. Petering and John A. Schmitt, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan

No Drawing. Application July 22, 1950, Serial No. 175,479
4 Claims. (Cl. 260—251.5)

1. A member of the group of compounds represented by the formula:



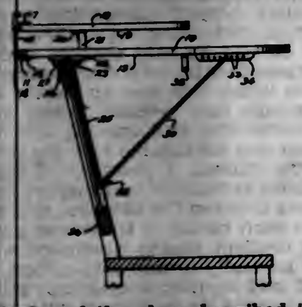
wherein the trihydroxypropylcarboxylic acid radical is attached to the pteridine ring in a member of the group consisting of the 6- and 7-positions.

2,568,686

CHAIR BACK SUPPORTED FOLDING IRONING BOARD

Gayton F. St. Peter, Milwaukee, Wis., assignor to Bernard Stephan, Milwaukee, Wis.

Application July 14, 1948, Serial No. 38,582
2 Claims. (Cl. 38—125)



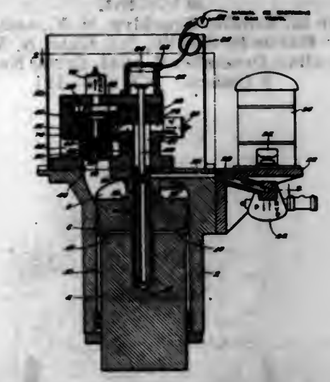
1. A device of the class described including a board member, a pair of eyes spaced transversely thereunder adjacent the larger end thereof, a substantially U-shaped element including a pair of hooks held in said eyes and adapted to engage over the top of a support when the board is set up, an inverted channel member fixed to the bottom of said board adjacent the small end thereof having transversely aligned apertures in the walls thereof, a bracket of spring metal having inwardly bent ends arranged for selective positioning in different holes in said channel walls, the sides of said bracket diverging and extending rearwardly and thence inwardly to form a transverse foot member, the side portions of said U-shaped member bent at their lower ends adjacent the transverse bottom segment thereof to engage and support said foot member.

2,568,687

HYDRAULIC PRESS HAVING DIFFERENTIAL AREA PREFILL VALVE RESPONSIVE TO PULLBACK LINE RESTRICTION

Robert K. Sedgwick, Oak Park, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application March 25, 1948, Serial No. 17,001
15 Claims. (Cl. 60—52)



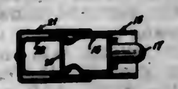
13. In an hydraulic circuit for an hydraulic device comprising advance and pullback chambers, and ram means reciprocal therein; the combination of a reservoir of low pressure fluid connected to the advance chamber, prefill valve means for opening and closing the connection between the advance chamber and said reservoir, and means responsive to restriction of flow from the pullback chamber on the advance stroke of said ram means for closing said prefill valve means.

2,568,688

LIPSTICK CASE

Sidney Shatkin, Long Branch, N. J., assignor to Crest Silver Mfg. Co. Inc., Matawan, N. J., a corporation of New Jersey

Application March 19, 1949, Serial No. 82,207
6 Claims. (Cl. 206—56)



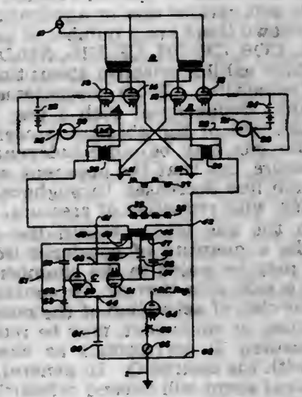
1. In a lip stick case of the character described, a tubular casing having an open mouth end and an open base end, a lip stick carrier positioned within the casing and slidable therealong therein; said carrier having a reduced end extending therefrom towards the base end of the casing; said reduced end of the carrier having at least part of an annular channel, a lip stick extending from the carrier towards the mouth end of the casing, spaced from the interior of the casing, a cap having a mouth end positionable onto each end of the casing, at one end of the casing at any one time and slidable along the casing, an elongated resilient carrier-moving member carried by the cap and positioned therewithin, extending free towards the mouth end of the cap and movable into the casing when the cap is mounted on either end of the casing and moved along the casing; said carrier-moving member having a finger at free end; said finger extending towards the base of the channel when the cap is mounted on the base end of the casing; said carrier-moving member and its finger being spaced from the lip stick when the cap is mounted on the mouth end of the casing and moved therealong towards the base end of the casing and a member extending inwardly from the wall of the casing at the base end of said casing, to serve as a stop for the carrier when the carrier is moved up to said stop member; said stop member when contacted by the carrier-moving member in motion into the casing causing said carrier-moving member to bend so that said finger enters and is held in the channel in the reduced end of the carrier whereby upon movement of the cap onto the base end of the casing towards the mouth end of said casing, said finger will be bent by said stop member and moved thereby into the channel in the reduced end of the carrier and said finger will push the carrier towards the mouth end of the casing to expose the lip stick to use position and then upon reverse movement of the cap, said finger will pull the carrier towards the base end of the casing and draw the lip stick wholly within the casing; the carrier-moving member being capable of entrance through the base end of the casing with its finger past said stop member, upon mounting the cap onto and along the base end of the casing towards the mouth end of the casing.

2,568,689

ELECTRONIC AMMETER

Gerald C. Summers, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application January 24, 1949, Serial No. 72,362
14 Claims. (Cl. 171—95)



1. A system for measuring the maximum amplitude of spaced unidirectional electrical impulses comprising a condenser, a circuit having variable bilateral conductance elements in series with said condenser, means for varying the conductivity of said elements and of said circuit during at least a portion of each of said impulses means for applying said impulses to said circuit for charge of said condenser through one element and discharge through the other element to maintain a unidirectional charge on said condenser proportional to the maximum amplitude of each impulse and a measuring circuit including indicating means for measuring the voltage across said condenser.

2,568,690

CIGARETTE MACHINE TONGUE AND PROCESS FOR MANUFACTURE THEREOF

James W. Warren, Lynbrook, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application May 12, 1944, Serial No. 535,270
15 Claims. (Cl. 131—66)



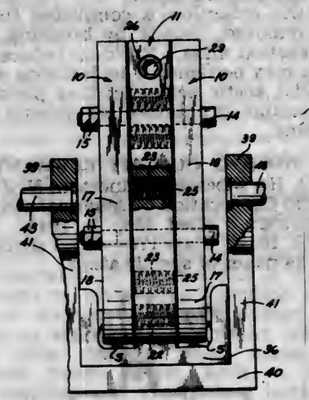
1. A cigarette machine tongue comprising an elongated channel shaped member having a curved cross section and adapted to compress to a predetermined cross-section a layer of tobacco advanced on a traveling cigarette paper web, the concave tobacco engaging face of said member being pitted, said pits having a depth less than the average width of cigarette tobacco shreds operated on by said tongue and having unintersected lengths less than the width of the tongue.

2,568,691

ADJUSTABLE AND YIELDABLE MALE BENDING DIE

Verne Wildman, Warren, Ohio, assignor to The American Welding & Manufacturing Company, Warren, Ohio, a corporation of Ohio

Application March 11, 1948, Serial No. 14,237
5 Claims. (Cl. 153—46)



1. A die for bending metal angle stock which comprises side plates and a middle plate therebetween and spaced from the side plates, said side plates having edge surfaces along which the stock is to be bent and side surfaces to engage and prevent wrinkling of said stock during such bending, means extending through said plates to limit outward movement of the side plates relative to the middle plate, and resilient means carried by the middle plate and bearing against said side plates and constantly urging said plates outwardly away from said middle plate, said resilient means being disposed between said stock engaging side surfaces of the side plates.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

771,706. **NEPTUNIUM METAL AND A PROCESS FOR ITS PREPARATION.** Sherman Fried, Chicago, Ill. Filed Sept. 2, 1947. Published Sept. 18, 1951. Class 75—84. No drawing. 7 pages of specification.

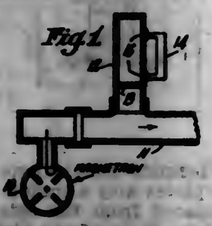
This disclosure relates to the production of neptunium metal.

Neptunium can be produced by reacting a neptunium fluoride, such as neptunium tri- or tetrafluoride, with an alkaline earth metal, such as barium or calcium, or with magnesium at a temperature between 650 and 1500° C. and preferably between 1000 and 1400° C. The reducing metal is used in at least the stoichiometric amount and preferably greater than said amount.

The neptunium fluoride is heated with the reducing metal in an inert crucible until reaction is initiated. If heat loss is prevented the heat of reaction is usually sufficient to complete the reduction. It is preferred to use a closed vessel to prevent access of oxygen to the reaction mass, and preferably the closed vessel is evacuated after charging and an inert gas is introduced thereinto. Crucible liners may be formed of inert refractory material such as calcium oxide or beryllium oxide, preferably degassed at high temperatures prior to use. If the refractory liner is porous excess reducer metal may be required to allow for soakage into the liner.

After the reduction is completed the crucible liner is removed, usually by breaking, from the cooled reaction mass. Residual reducer and soluble slag may be removed by leaching with water and glacial acetic acid. Further purification of the neptunium is obtained by vacuum remelting and casting.

25,542. **HIGH Q CIRCUIT-ELEMENTS.** William D. Hershberger, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware. Filed May 7, 1948. Published Sept. 18, 1951. Class 178—44. 1 sheet of drawings. 14 pages of specification.



This application relates to high Q circuit-elements, such as resonant cavities, concentric lines or waveguide sections, generically termed resonant chambers, in which are sealed gases exhibiting sharp molecular resonance at high radio-frequencies. Molecular resonance is a term applied to a characteristic of certain gases which have dipole moments, and which selectively absorb microwave energy at frequencies characteristic of the particular gas employed.

The absorption spectra of certain gases including ammonia, carbonyl sulphide, methyl halides, and other gases having dipole moments comprise "lines" of distinctive and different frequency distribution for the different gases. At very low pressures, in the case of ammonia, for example, each of these "lines" breaks up into a plurality of still more sharply defined lines, each corresponding with a definite frequency.

In accordance with the present system, after such a circuit-element has been sealed, its Q can, without disturbing the integrity of the seal, be precisely adjusted to a desired value, or varied from time to time by subjecting the confined gas to the action of a chemical or physical agent affecting its pressure.

More particularly, in accordance with some forms of the system, the confined gas may be in contact with a normally inert chemical agent, preferably disposed in a side arm of the cavity or chamber, which may be activated, as by application of heat or other agent, to react with the gas and thus change the amount and pressure thereof.

In other forms of the system, the confined gas may be temporarily subjected to a physical agent, such as ultra-violet light or high temperature, which in part decomposes the gas.

In any of these cases, the pressure of the confined gas may be nicely varied to obtain a desired Q of the circuit-element in compensation for the almost inevitable variations incident to phases of its construction, or to permit adjustment of the Q of the same or different sealed circuit-elements to suit various uses or applications thereof.

It is known there are a number of gases including NH_3, COS, CH_3OH, CH_3NH_2, NH_2D, NHD_2 and ND_3, which exhibit selective absorption at higher radio frequencies. From measurements of the "resonant" frequency of such a gas, it is known the magnitude of the absorption coefficient of a particular gas may be quite independent of the gas pressure, but that the apparent width of the absorption line decreases, throughout a substantial range, with reduction of pressure.

When the gas sealed within the chamber is ammonia, a quantity of powdered iron or magnesium may be sealed in the chamber or preferably in a side arm thereof for contact with the gas. The step of activation of the powdered iron, magnesium, or equivalent, may be repeated until the measured Q corresponds as closely as required with the desired Q. In general, the choice of chemical agent will depend primarily upon the composition of the confined gas, upon the conditions required to obtain reaction with the gas and the nature of the reaction products.

Another method of precisely adjusting the Q of gas-filled resonant chambers is to provide in them windows permitting passage of radiation, such as ultra-violet light, which in part decomposes the gas and so reduces its pressure, with consequent increase of the Q of the circuit-element. These same windows may also be transparent to the microwave energy used for excitation of the gas for exhibition of molecular resonance thereof in normal use of the gas cell.

Alternatively, the sealed cell may be temporarily heated to a temperature at which the gas permanently in part decomposes, so to reduce its pressure with consequent increase of the Q of the sealed unit. Which of the above methods is most desirable or most convenient depends upon the characteristics of the particular gas which in turn depends upon the frequency to be stabilized or measured.

83,780. **AUREOMYCIN SALTS.** Joseph F. Weidenheimer, Pearl River, and Lawrence Ritter, Spring Valley, N. Y. Filed Mar. 26, 1949. Published Sept. 18, 1951. Class 167—65. No drawing. 12 pages of specification.

Aureomycin, or its hydrohalide or alkali metal salts, or mixtures, may be dissolved in anhydrous alcohol such as methanol, ethanol, butanol or other solvents, preferably hot, and neutralized if needed by the addition of an acid, such as anhydrous HCl or triethylamine or other base weaker than ethylene diamine. The solution may be filtered. To this solution may be added ethylene diamine, anhydrous, or as in aqueous solution. Upon seeding, the crystalline salt of aureomycin with ethylene diamine precipitates from the solution. The slurry may be chilled. The crystals may be separated and washed. Similarly, aureomycin salts with organic acids such as tartaric, succinic or citric acid may be used to form an ethylene diamine double salt.

Example I

75 grams of aureomycin hydrochloride were dissolved in 2.25 liters of anhydrous methanol at 50° C.; 20 milliliters of triethylamine added, and the solution filtered. To the clear filtrate was added 14.14 grams of a 70% aqueous solution of ethylene diamine, seed crystals introduced, the slurry chilled to 0° C. and the precipitated ethylene diamine salt of aureomycin separated, washed with methanol, and dried, yielding 63 grams of substantially pure crystals.

Example II

The molecular weight of the free aureomycin base appears to be approximately 500. To 5 grams of this free aureomycin base dissolved in 100 milliliters of absolute methanol containing 1.5 grams of tartaric acid were added, and after filtration, 1.20 grams of ethylene diamine. (Allowance is to be made if one of the hydrates thereof is used.) A crystal pale yellow precipitate is thereupon immediately deposited. Upon collection by filtration, washing with iced methanol, cold ether and air drying, there is found a yield of approximately 6.7 grams of the ethylene diamine salt of aureomycin tartrate. The crystals have a therapeutic activity which is approximately that anticipated on a theoretical basis considering stoichiometric ratios.

110,918. **TORQUE WRENCH.** Otto A. Keser, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York. Filed Aug. 18, 1949. Published Sept. 18, 1951. Class 81—52.4. 1 sheet of drawings. 9 pages of specification.



A torque wrench comprising a loose fitting sleeve, to serve as a hand grip, encompassing and pivoted to the shank of a conventional wrench and a compressible spring interposed in the space between the sleeve and shank which normally maintains the portions of the sleeve and shank between which it is positioned out of engagement. When the head of the wrench is applied to the work and a force tending to compress the spring is applied to the sleeve a turning force or torque is transmitted to the shank, the maximum value of which torque depends upon the strength of the spring as exhibited by its resistance to compression prior to engagement of the shank and sleeve portions between which the spring is positioned. Adjusting means is also provided to permit flexibility as to the range of spring strength which may be employed.

174,793. **METHOD OF TREATING FOODS.** Rolland F. Cohee, Jr., Wheaton, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Filed July 19, 1950. Published Sept. 18, 1951. Class 99—154. No drawing. 21 pages of specification.

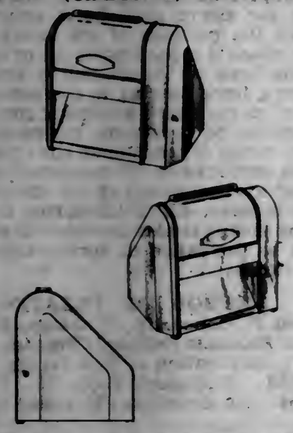
The present disclosure relates to a process of treating foods and food products to prevent undesirable color and flavor changes therein, which comprises incorporating phytate ions in said food or food product, and allowing insoluble phytate complexes to form in said foods or food products; said phytate ions being obtained from the group of phytate materials consisting of phytic acid, sodium phytate, potassium phytate, ammonium phytate, calcium phytate, magnesium phytate, mixed calcium-magnesium phytate and mixtures of any of these, and being present in an amount sufficient to react with all of the objectionable metal ions present in said foods.

A wide variety of foods and food products may be treated by the process of this disclosure, including acidic foods, canned foods, frozen foods, liquids, sugars and sugar sirups, essential oils, etc. As illustrative of the diversity of foods and food products to which this invention is applicable, there may be mentioned vinegars of all types, such as white distilled vinegar, cider vinegar, and wine vinegar; milk; wines; beers; canned and frozen fruits, such as cherries, bananas, peaches and applesauce; horseradish; catsup; corn sirup; and liquid sugar.

DESIGNS

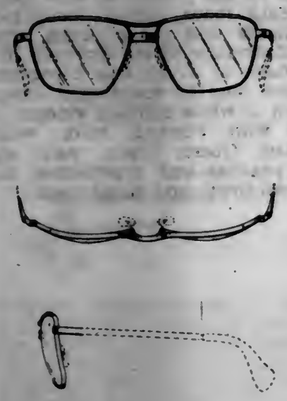
SEPTEMBER 18, 1951

164,543
MEAT TENDERIZING MACHINE
Sidney Bakewell, Detroit, Mich.
Application August 16, 1950, Serial No. 11,783
Term of patent 7 years
(Cl. D55—1)



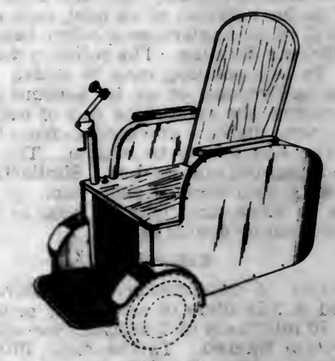
The ornamental design for a meat tenderizing machine, substantially as shown and described.

164,544
PAIR OF SPECTACLES OR THE LIKE
Charles A. Baratelli, Woodstock, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 12, 1950, Serial No. 12,160
Term of patent 14 years
(Cl. D57—1)



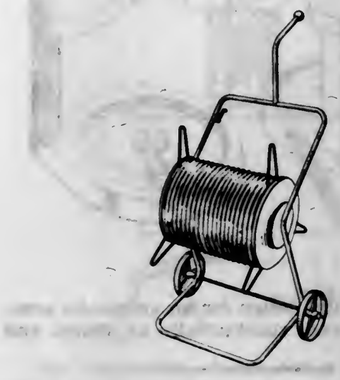
The ornamental design for a pair of spectacles or the like, substantially as shown and described.

164,545
POWER-DRIVEN WHEEL CHAIR
Sidney E. Beach, Detroit, Mich.
Application September 17, 1949, Serial No. 5,050
Term of patent 3½ years
(Cl. D15—1)



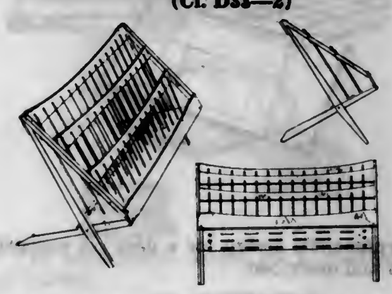
The ornamental design for a power-driven wheel chair, as shown and described.

164,546
HOSE REEL OR THE LIKE
Nathaniel Becker, New York, N. Y., assignor to Wirt & Knox Mfg. Co., Philadelphia, Pa., a corporation of New Jersey
Application May 3, 1951, Serial No. 15,057
Term of patent 7 years
(Cl. D14—3)



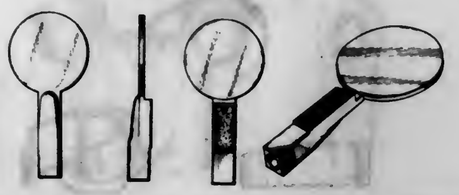
The ornamental design for a hose reel or the like, as shown.

164,547
MAGAZINE RACK
Wilfred C. Becker, Allen Park, Mich., assignor to Built-Rite Manufacturers, Detroit, Mich., a co-partnership
Application June 26, 1951, Serial No. 15,667
Term of patent 14 years
(Cl. D32—2)



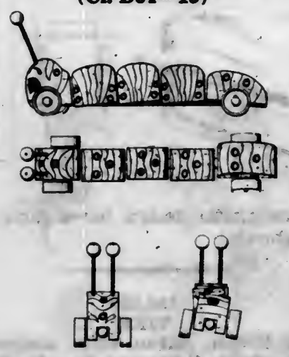
The ornamental design for a magazine rack, as shown.

164,548
ADVERTISING MAGNETIC PENCIL HOLDER
Matthew B. Blish, Oak Park, Ill.
Application May 8, 1950, Serial No. 9,788
Term of patent 14 years
(Cl. D74—21)



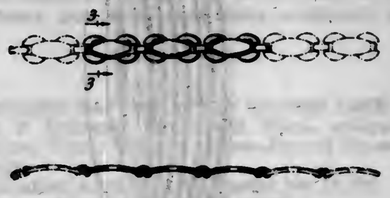
The ornamental design for an advertising magnetic pencil holder, substantially as shown.

164,549
CATERPILLAR PULL TOY
Jesse F. Brice, East Aurora, N. Y., assignor to Brice Toy & Novelty, Inc., East Aurora, N. Y.
Application April 21, 1951, Serial No. 14,911
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a caterpillar pull toy, as shown.

164,550
BRACELET OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application December 12, 1950, Serial No. 13,398
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, or similar article substantially as shown.

164,551
FOOD TRAY
Evan S. Connell, Jr., Kansas City, Mo.
Application February 13, 1951, Serial No. 14,289
Term of patent 14 years
(Cl. D44—10)



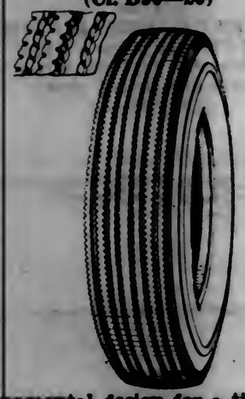
The ornamental design for a food tray, substantially as shown.

164,552
TABLE
Phillip C. Curtis, Scottsdale, Ariz.
Application June 8, 1951, Serial No. 15,467
Term of patent 14 years
(Cl. D32—14)



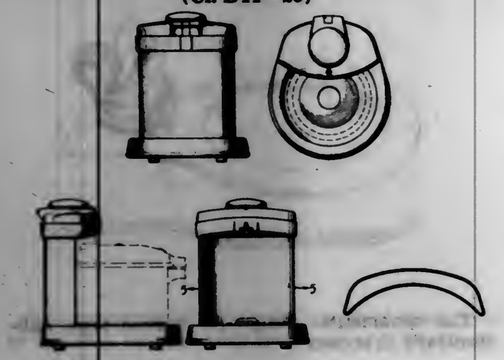
The ornamental design for a table, substantially as shown.

164,553
TIRE
Charles C. Custer, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 31, 1951, Serial No. 14,049
Term of patent 14 years
(Cl. D90—20)

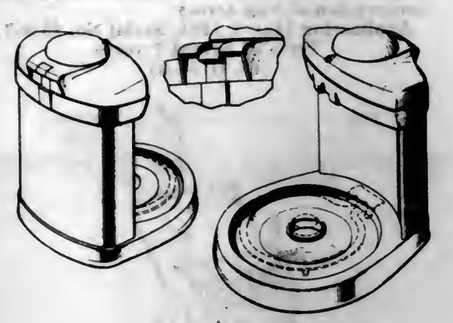


The ornamental design for a tire, as shown.

164,554
AUTOMATIC PRESSURE COOKER STAND
Donald K. Dailey, Evansville, Ind., assignor to Procter Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 23, 1950, Serial No. 13,555
Term of patent 14 years
(Cl. D44—29)

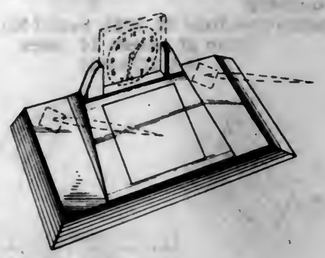


164,554—Continued



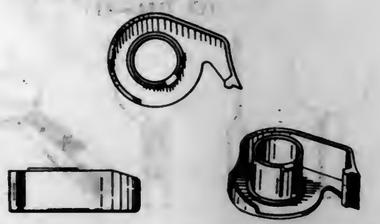
The ornamental design for an automatic pressure cooker stand, substantially as shown and described.

164,555
DESK SET SUPPORT
Morrison M. Davis, Houston, Tex.
Application October 12, 1950, Serial No. 12,532
Term of patent 7 years
(Cl. D74—1)



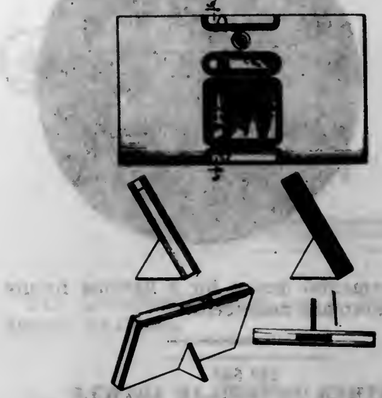
The ornamental design for a desk set support, as shown and described.

164,556
ADHESIVE TAPE DISPENSER
William Harry Donkin, Ealing, London, England
Application December 28, 1950, Serial No. 13,605
In Great Britain October 31, 1950
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an adhesive tape dispenser, substantially as shown and described.

164,557
PERPETUAL CALENDAR
Alfred B. Downs, Jr., Columbus, Miss.
Application June 14, 1951, Serial No. 15,541
Term of patent 14 years
(Cl. D74—5)



The ornamental design for a perpetual calendar, as shown and described.

164,558
MASSAGE DEVICE
John M. Easley, Abilene, Tex.
Application December 13, 1949, Serial No. 6,581
Term of patent 14 years
(Cl. D62—1)



The ornamental design for a massage device, as shown.

164,559
BLOUSE OR THE LIKE
Solomon Elias, New York, N. Y.
Application March 11, 1949, Serial No. 1,359
Term of patent 3½ years
(Cl. D2—25)



The ornamental design for a blouse or the like, as shown and described.

164,560
COMBINED ARTIFICIAL FLOWER, POT, AND PLANT STEM ORNAMENT
George W. Ellison, Baltimore, Md.
Application February 20, 1950, Serial No. 8,036
Term of patent 7 years
(Cl. D29—1)



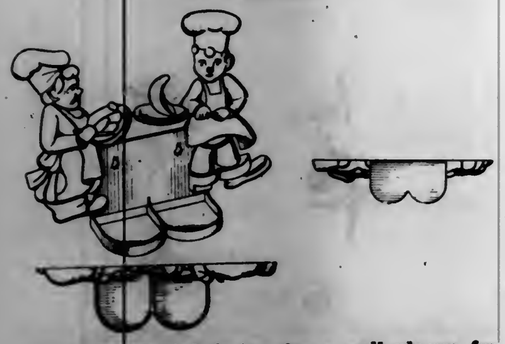
The ornamental design for a combined artificial flower, pot, and plant stem ornament, as shown.

164,561
EMBOSSED PAPER NAPKIN OR THE LIKE
William F. Erisman, Greenfield, Mass., assignor to Erving Paper Mills, a corporation of Massachusetts
Application April 13, 1951, Serial No. 14,828
Term of patent 14 years
(Cl. D59—2)



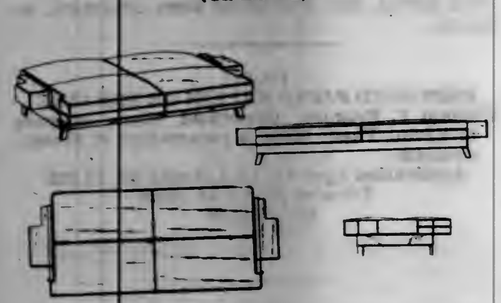
The ornamental design for an embossed paper napkin or the like, as shown and described.

164,562
WALL PLAQUE FOR SALT AND PEPPER SHAKERS
Theodore L. Feinberg, Chicago, Ill.
Application February 12, 1951, Serial No. 14,203
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a wall plaque for salt and pepper shakers, substantially as shown.

164,563
SOFA BED
Harry B. Fouts, Des Moines, Iowa, assignor to Sealy, Incorporated, Chicago, Ill., a corporation of Delaware
Application September 20, 1950, Serial No. 12,272
Term of patent 7 years
(Cl. D6—4)



The ornamental design for a sofa bed, as shown.

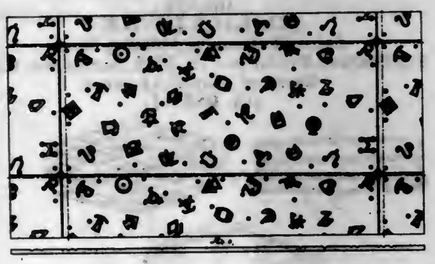
164,564
LIGHTING FIXTURE GLOBE
Kurt Franek, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application July 22, 1950, Serial No. 11,361
Term of patent 14 years
(Cl. D42—16)





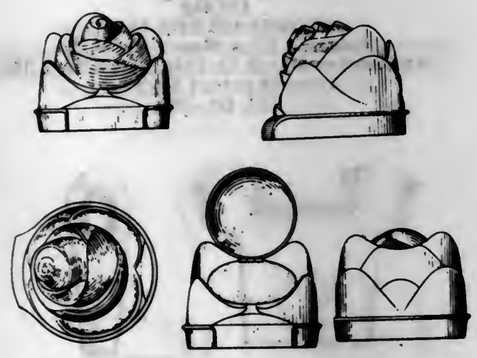
The ornamental design for a lighting fixture globe, as shown and described.

164,565
LEATHER OR SIMILAR ARTICLE
Adele Q. Freedman, New York, N. Y.
Application March 16, 1951, Serial No. 14,521
Term of patent 14 years
(Cl. D87—3)



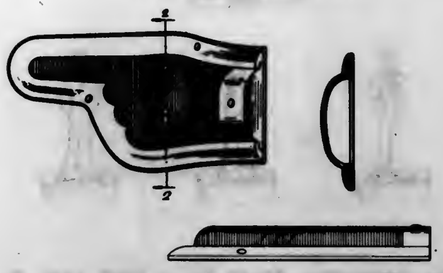
The ornamental design for a leather or similar article, as shown and described.

164,566
DISPLAY CONTAINER OR SIMILAR ARTICLE
Morris Friedman, Brooklyn, N. Y.
Application October 30, 1950, Serial No. 12,777
Term of patent 7 years
(Cl. D89—5)



The ornamental design for a display container or similar article, as shown.

164,567
DIRECTION INDICATOR
Leo Gosselin, Woburn, Quebec, Canada
Application April 13, 1950, Serial No. 9,174
Term of patent 14 years
(Cl. D72—1)



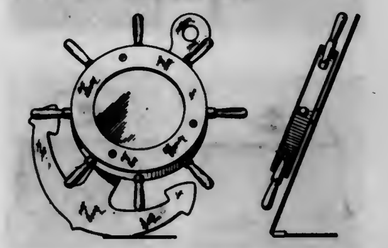
The ornamental design for a direction indicator, as shown.

164,568
EMBOSSED PAPER NAPKIN OR THE LIKE
Ruth Gould, Bedminster, N. J., assignor to Erving Paper Mills, a corporation of Massachusetts
Application April 13, 1951, Serial No. 14,825
Term of patent 14 years
(Cl. D59—2)



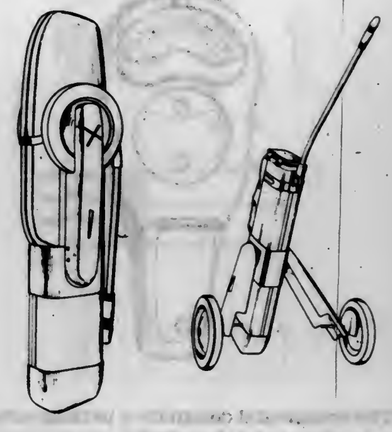
The ornamental design for an embossed paper napkin or the like, as shown and described.

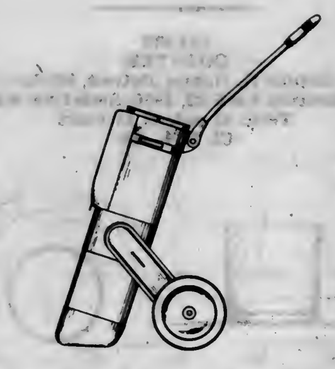
164,569
PICTURE FRAME
Joseph A. Grosso, Bridgeport, Conn.
Application March 30, 1951, Serial No. 14,673
Term of patent 3½ years
(Cl. D29—20)

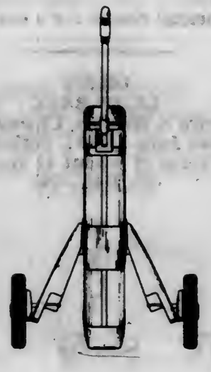


The ornamental design for a picture frame, as shown.

164,570
GOLF CLUB CONVEYANCE
Frederic S. Grover, Brighton, Philip A. Brandmeier, Pittsford, and James E. Brice, Brighton, N. Y.
Application November 13, 1950, Serial No. 12,948
Term of patent 14 years
(Cl. D14—3)

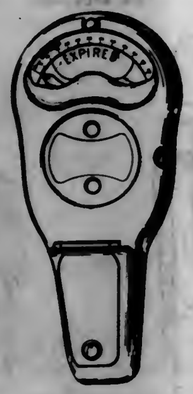






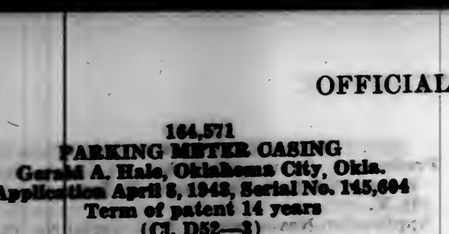
The ornamental design for a golf club conveyance, substantially as shown.

164,571
PARKING METER CASING
Gerald A. Hale, Oklahoma City, Okla.
Application April 8, 1942, Serial No. 145,604
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a parking meter casing, as shown and described.

164,572
COASTER
Arthur H. Happe, Detroit, Mich.
Application April 22, 1950, Serial No. 9,426
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a coaster, as shown.

164,573
LAMP BASE
Martin S. Hayden, Chicago, Ill.
Application June 9, 1951, Serial No. 15,480
Term of patent 14 years
(Cl. D48—20)



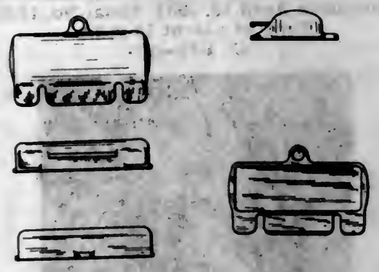
The ornamental design for a lamp base, as shown.

164,574
LAMP BASE
Martin S. Hayden, Chicago, Ill.
Application June 9, 1951, Serial No. 15,481
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp base, as shown.

164,575
READING MAGNIFIER
Edward C. Heard, Los Angeles, Calif.
Application March 23, 1951, Serial No. 14,604
Term of patent 14 years
(Cl. D57—1)



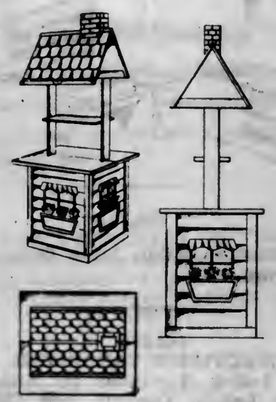
The ornamental design for a reading magnifier, as shown.

164,576
TIME CONTROLLED PET FEEDER
Fred A. Hedwall, Sacramento, Calif.
Application March 28, 1950, Serial No. 8,822
Term of patent 3½ years
(Cl. D12—2)



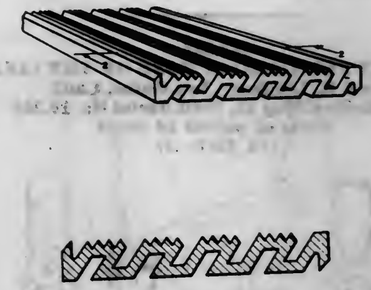
The ornamental design for a time controlled pet feeder, as shown and described.

164,577
DISPLAY STAND
Raymond Lawton Henderson, Atlanta, Ga., assignor to Norris Inc., Atlanta, Ga.
Application May 11, 1951, Serial No. 15,137
Term of patent 7 years
(Cl. D80—9)



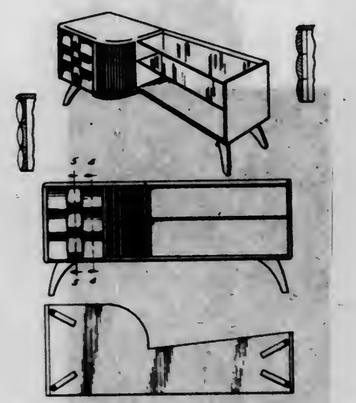
The ornamental design for a display stand, as shown.

164,578
STRIP OF ELECTRICAL INSULATING MATERIAL
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1949, Serial No. 4,881
Term of patent 14 years
(Cl. D54—2)



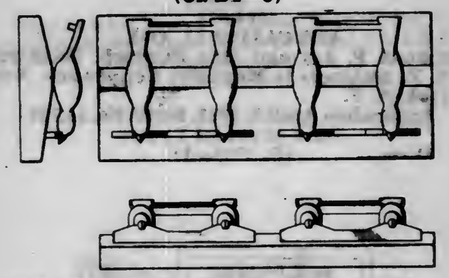
The ornamental design for a strip of electrical insulating material, substantially as shown.

164,579
VANITY TABLE OR SIMILAR ARTICLE
Ernest Herrmann, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application October 8, 1949, Serial No. 5,380
Term of patent 7 years
(Cl. D33—6)



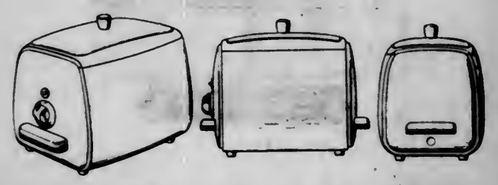
The ornamental design for a vanity table or similar article, as shown.

164,580
TOWEL HOLDER
Clarence Vain Hoffman, Whittier, Calif.
Application January 8, 1951, Serial No. 13,705
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a towel holder, as shown.

164,581
DEEP FAT FRYER
Neil Houbolt, Joliet, Ill., assignor to John C. Hockery, Kansas City, Mo., as trustee
Application June 9, 1951, Serial No. 15,479
Term of patent 14 years
(Cl. D81—10)



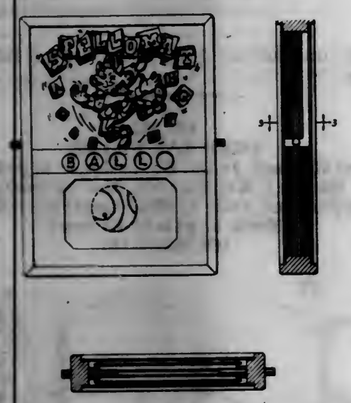
The ornamental design for a deep fat fryer, substantially as shown.

164,582
EMBOSSED PAPER NAPKIN OR THE LIKE
Morris Hohnen, Erving, Mass., assignor to Erving Paper Mills, a corporation of Massachusetts
Application April 13, 1951, Serial No. 14,820
Term of patent 14 years
(Cl. D59—2)



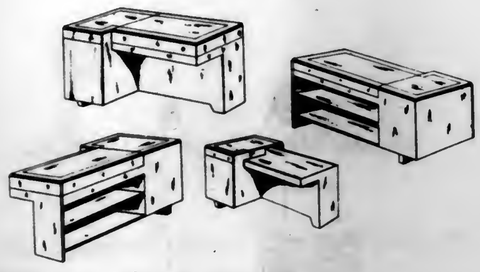
The ornamental design for an embossed paper napkin or the like, as shown and described.

164,583
EDUCATIONAL TOY
Benjamin F. Jay and Max Feintuch, Brooklyn, N. Y., assignors to Magnafax Corporation, New York, N. Y.
Application April 9, 1951, Serial No. 14,762
Term of patent 7 years
(Cl. D25—1)



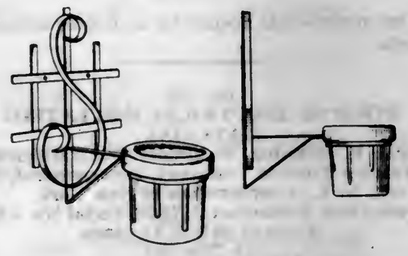
The ornamental design for an educational toy as shown.

164,584
DESK
Ervin C. Koegel, St. Louis, Mo.
Application January 6, 1951, Serial No. 13,690
Term of patent 14 years
(Cl. D32—7)



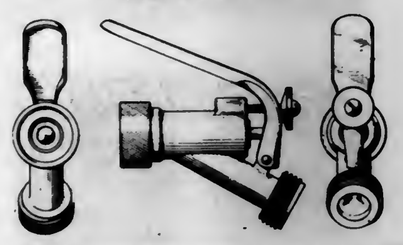
The ornamental design for a desk, substantially as shown.

164,585
INSECTICIDE VAPORIZER
Francis C. Leitch, Lawrence M. Kissner, and James E. Leitch, Owosso, and Clifford C. Chapel, Flint, Mich., assignors to De-Bug-er, Inc., Owosso, Mich.
Application February 10, 1951, Serial No. 14,172
Term of patent 7 years
(Cl. D31—3)



The ornamental design for an insecticide vaporizer, as shown.

164,586
FAUCET FOR GARDEN HOSE OR THE LIKE
Carl R. Lindberg, Los Gatos, Calif.
Application May 31, 1950, Serial No. 10,265
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a faucet for garden hose or the like, as shown.

164,587
SPECTACLE CASE
Robert J. Marks, Castro Valley, Calif.
Application November 27, 1950, Serial No. 13,134
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle case, substantially as shown.

164,588
CHAIN FOR A BRACELET OR THE LIKE
Maurice Moss, New York, N. Y.
Application November 19, 1949, Serial No. 6,160
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for a chain for a bracelet or the like, substantially as shown.

164,589
WOMAN'S STOCKING
Max B. Mueller, Bloomfield, N. J., and Samuel Shapiro, Brooklyn, N. Y.
Application May 12, 1951, Serial No. 15,234
Term of patent 14 years
(Cl. D47—7)



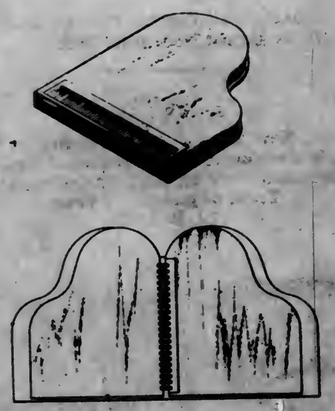
The ornamental design for a woman's stocking, as shown.

164,590
TIMED AUTOMATIC PET FEEDER
Frederick J. Mulhern, Waterford, N. Y.
Application June 22, 1950, Serial No. 10,697
Term of patent 14 years
(Cl. D12—2)



The ornamental design for a timed automatic pet feeder, as shown and described.

164,591
BOOK
John Patrick Murphy, Clifton Heights, Pa.
Application November 26, 1949, Serial No. 6,261
Term of patent 14 years
(Cl. D6—2)



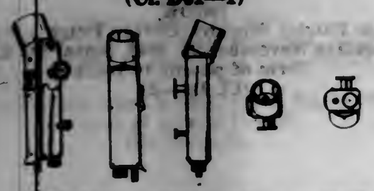
The ornamental design for a book as shown.

164,592
PAIR OF RIMLESS SPECTACLES OR SIMILAR ARTICLE
Leslie W. Myers and Albert L. Andersen, Minneapolis, Minn., assignors to Precision-Cosmet Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application December 18, 1950, Serial No. 13,482
Term of patent 14 years
(Cl. D57—1)



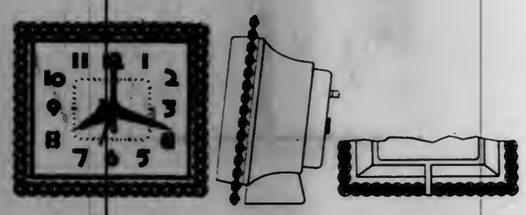
The ornamental design for a pair of rimless spectacles or similar article, substantially as shown and described.

164,593
PHOTOGRAPHIC FLASH GUN
Charles E. Nerpel, Van Nuys, Calif.
Application January 27, 1951, Serial No. 13,996
Term of patent 14 years
(Cl. D61—1)



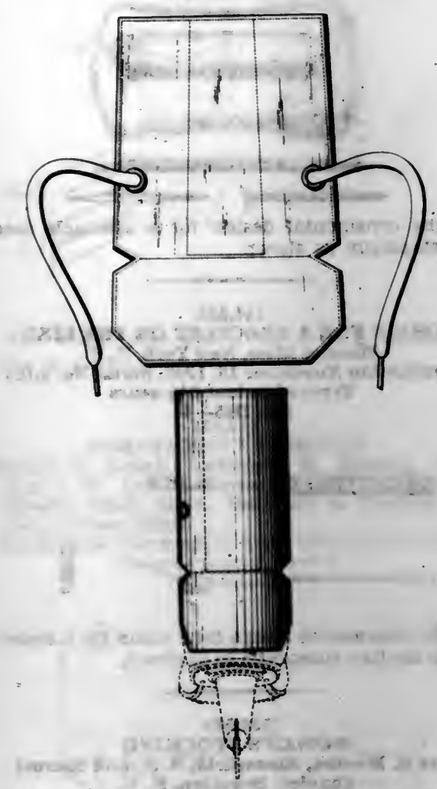
The ornamental design for a photographic flash gun, as shown and described.

164,594
CLOCKCASE
Carl Otto, New York, N. Y., assignor to General Electric Company, a corporation of New York
Application June 29, 1951, Serial No. 15,767
Term of patent 14 years
(Cl. D42—7)



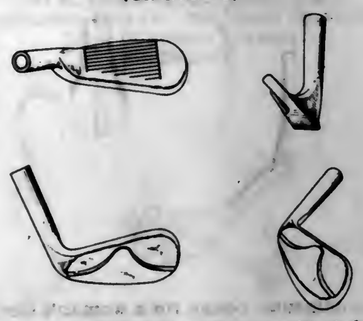
The ornamental design for a clockcase, as shown.

164,595
TENDON PROTECTOR OR SIMILAR ARTICLE
George Owen, Jr., Milton, and Jerome A. Rubico, East Boston, Mass.
Application January 18, 1949, Serial No. 288
Term of patent 3½ years
(Cl. D7—7)



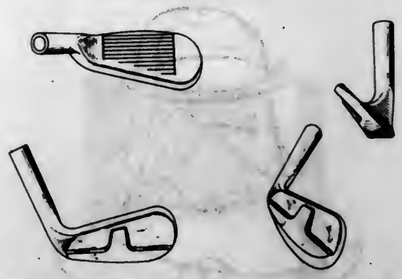
The ornamental design for a tendon protector or similar article, as shown and described.

164,596
GOLF CLUB HEAD
Toney Penna, Delray Beach, Fla., assignor to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 20, 1951, Serial No. 13,893
Term of patent 14 years
(Cl. D34—5)



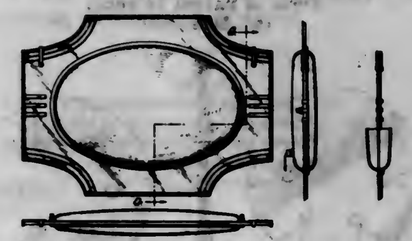
The ornamental design for a golf club head, substantially as shown.

164,597
GOLF CLUB HEAD
Toney Penna, Delray Beach, Fla., assignor to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 20, 1951, Serial No. 13,894
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a golf club head, substantially as shown.

164,598
ADVERTISING SIGN
Lewis E. Peters, Beverly Shores, Ind., assignor to Raymond M. Price & Associates, Inc., Chesterton, Ind., a corporation of Indiana
Application June 1, 1951, Serial No. 15,376
Term of patent 7 years
(Cl. D1—12)



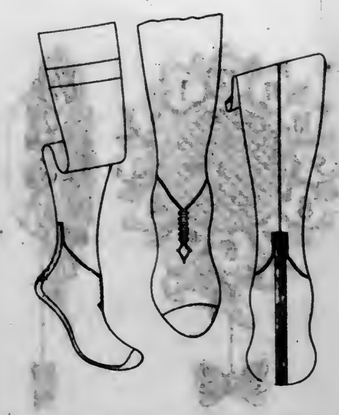
The ornamental design for an advertising sign, as shown.

164,599
PAPER
Elizabeth Phelps, Holyoke, Mass., assignor to The Marvellum Company, Holyoke, Mass., a corporation of Massachusetts
Application May 16, 1951, Serial No. 15,192
Term of patent 7 years
(Cl. D59—2)



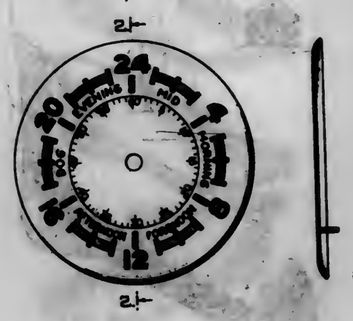
The ornamental design for a paper as shown.

164,600
STOCKING
Benjamin Frank Playford, Staunton, Va.
Application March 15, 1951, Serial No. 14,506
Term of patent 3½ years
(Cl. D47—7)



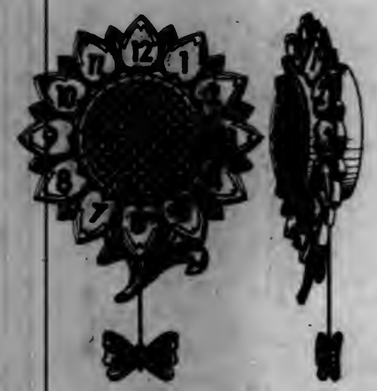
The ornamental design for a stocking, substantially as shown and described.

164,601
WATCH DIAL OR SIMILAR ARTICLE
Karl Piepia, Pelham, N. Y., assignor to Superior Watch Corporation, New York, N. Y., a corporation of New York
Application April 13, 1951, Serial No. 14,813
Term of patent 14 years
(Cl. D42—10)



The ornamental design for a watch dial, or similar article, as shown and described.

164,602
CLOCK
Joseph F. Puszak, Brooklyn, N. Y., assignor to United Metal Goods Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York
Application June 29, 1951, Serial No. 15,766
Term of patent 14 years
(Cl. D42—7)



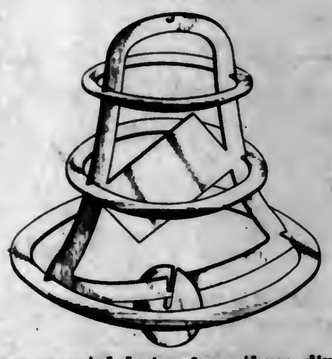
The ornamental design for a clock, as shown and described.

164,603
STOCKING
Isidor Rabinowitz, Philadelphia, Pa.
Application March 19, 1951, Serial No. 14,540
Term of patent 14 years
(Cl. D47—7)



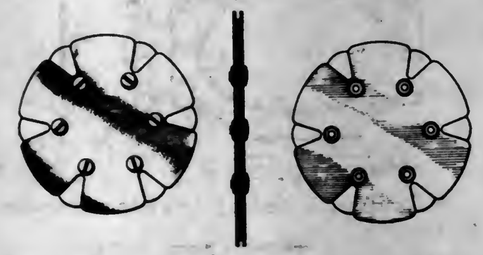
The ornamental design for a stocking, as shown.

164,604
THREE-DIMENSIONAL DECORATIVE GREETING CARD
Seymour Robins, New York, N. Y.
Application July 22, 1950, Serial No. 11,327
Term of patent 14 years
(Cl. D29—1)



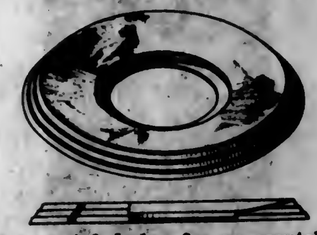
The ornamental design for a three-dimensional decorative greeting card, substantially as shown.

164,605
CARD GAME PLAYING DEVICE OR SIMILAR ARTICLE
Theodore Romanchek, Los Angeles, Calif.
Application January 29, 1949, Serial No. 563
Term of patent 14 years
(Cl. D34—13)



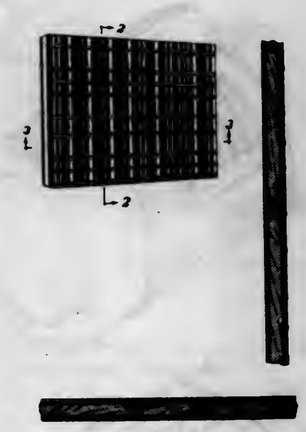
The ornamental design for a card game playing device or similar article, substantially as shown.

164,606
ESCUTCHEON FOR DOOR LOCKS
Ernest L. Schlage, Burlingame, Calif., assignor to Schlage Lock Company, a corporation
Application October 31, 1949, Serial No. 5,905
Term of patent 14 years
(Cl. D50—6)



The ornamental design for an escutcheon for door locks, as shown.

164,607
WALL PANEL OR SIMILAR ARTICLE
Howard C. Soehner, Louisville, Ky., assignor to The Mengel Company, Louisville, Ky., a corporation of New Jersey
Application June 11, 1949, Serial No. 3,214
Term of patent 14 years
(Cl. D13—1)



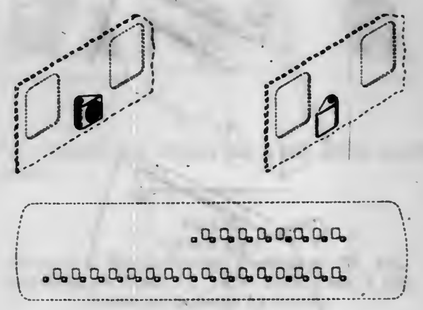
The ornamental design for a wall panel or similar article, substantially as shown.

164,608
CHRISTMAS TREE STAND
Joseph A. Sparenga, Cleveland, Ohio
Application April 20, 1950, Serial No. 9,374
Term of patent 7 years
(Cl. D35—3)



The ornamental design for a Christmas tree stand, as shown and described.

164,609
REGISTER CARRIAGE COVER FOR A CALCULATING MACHINE
Clarence K. Studley, Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application January 29, 1949, Serial No. 581
Term of patent 14 years
(Cl. D64—11)



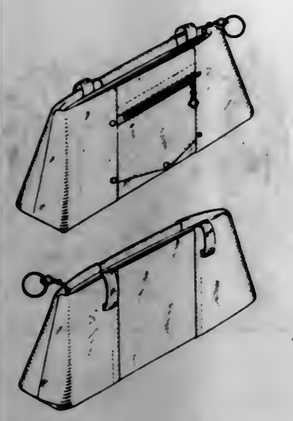
The ornamental design for a register carriage cover for a calculating machine, as shown and described.

164,610
RUBBER OVERSHOE
Socha Suender and Emil Gottschalk, New York, N. Y., assignors to Gem Rubber Corporation, New York, N. Y.
Application May 5, 1951, Serial No. 15,073
Term of patent 14 years
(Cl. D7—4)



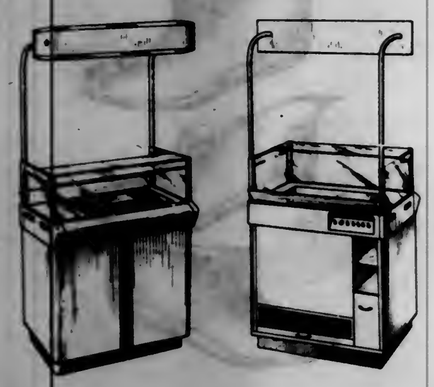
The ornamental design for a rubber overshoe, substantially as shown and described.

164,611
BELT PURSE
Max Tenzer, University City, Mo.
Application March 23, 1950, Serial No. 8,711
Term of patent 14 years
(Cl. D67—3)



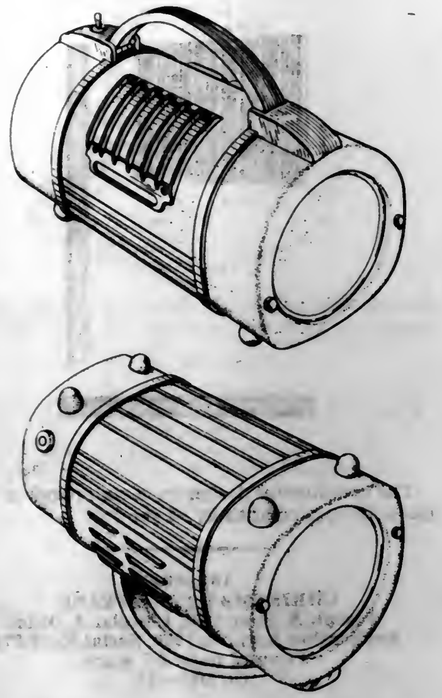
The ornamental design for a belt purse, as shown and described.

164,612
STORAGE CABINET FOR POPCORN
Samuel M. Waas, Kansas City, Mo., assignor to Manley, Inc., Kansas City, Mo., a corporation of Missouri
Application May 14, 1951, Serial No. 15,157
Term of patent 14 years
(Cl. D81—10)



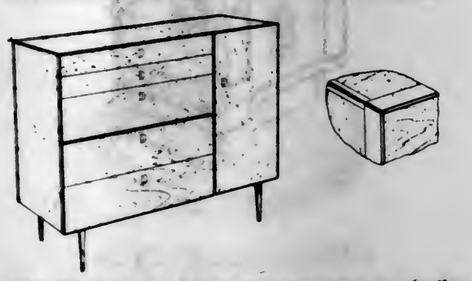
The ornamental design for a storage cabinet for popcorn, as shown.

164,613
ELECTRIC SPACE HEATER
Eric C. Wahlberg, Stamford, and John J. Moughty, Old Greenwich, Conn., assignors to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application September 19, 1950, Serial No. 12,266
Term of patent 14 years
(Cl. D81—10)



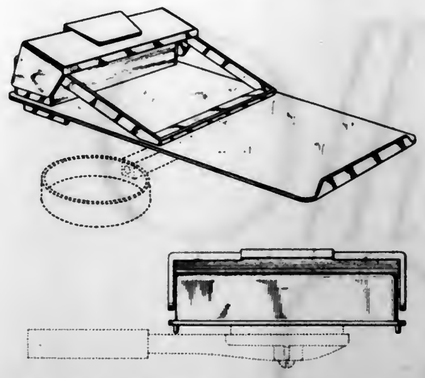
The ornamental design for an electric space heater, as shown.

164,614
DRESSER OR SIMILAR ARTICLE
Donald A. Wallance, Washington, D. C., and David Bendersky, Kansas City, Mo.; said Bendersky assignor to Midwest Research Institute, Kansas City, Mo., a corporation of Missouri
Application January 7, 1950, Serial No. 7,052
Term of patent 14 years
(Cl. D33—6)



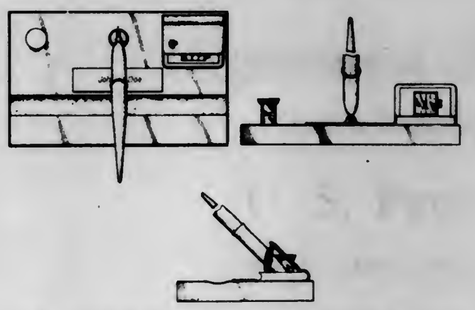
The ornamental design for a dresser or similar article, as shown and described.

164,615
ILLUMINATING CLIP BOARD
Charles Ellis Warnell, Portland, Oreg.
Application October 6, 1950, Serial No. 12,478
Term of patent 14 years
(Cl. D74—1)



The ornamental design for an illuminating clip board, as shown and described.

164,616
COMBINED CLOCK AND DESK UNIT
Martin Weiner, Passaic County, N. J.
Application March 2, 1951, Serial No. 14,354
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combined clock and desk unit, substantially as shown and described.

164,617
CUB SCOUT TROPHY
Howard Weitlauf, Seattle, Wash.
Application March 19, 1951, Serial No. 14,535
Term of patent 14 years
(Cl. D29—23)

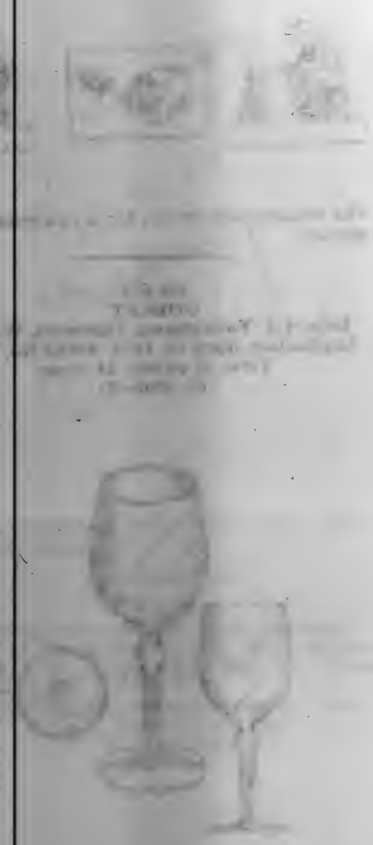


The ornamental design for a cub scout trophy, as shown.

164,618
GOBLET
Robert A. Yuchtmann, Fairmont, W. Va.
Application April 12, 1950, Serial No. 9,154
Term of patent 14 years
(Cl. D36—8)



The ornamental design for a goblet, as shown and described.









September 25, 1951 Volume 650 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aktiebolaget Scharins Söner, Stockholm, Sweden. Insulating building boards, wall boards. Serial No. 565,864, Sept. 25. Class 12.

Aldens, Inc., Chicago, Ill. Men's and young men's work clothing, etc. Serial No. 586,451, Sept. 25. Class 39.

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. Serial No. 583,069, Sept. 25. Class 13.

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. Serial No. 583,070, Sept. 25. Class 19.

Allbright-Nell Company, The, Chicago, Ill. Packing house equipment. Serial No. 583,071, Sept. 25. Class 26.

Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Beef, lamb, veal, and pork, etc. Serial No. 582,878, Sept. 25. Class 46.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Surfacing material. Serial No. 555,911, Sept. 25. Class 12.

American Character Doll Co., New York, N. Y. Dolls. Serial No. 614,737, Sept. 25. Class 22.

American Safety Razor Corporation, Brooklyn, N. Y. Cigarette lighter flints. Serial No. 606,449, Sept. 25. Class 8.

American Snuff Company, Memphis, Tenn. Snuff. Serial No. 555,356, Sept. 25. Class 17.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires and cables. Serial Nos. 612,106–07, Sept. 25. Class 21.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical wires and cables. Serial No. 612,109, Sept. 25. Class 21.

American White Cross Laboratories, Inc., The, New Rochelle, N. Y. Foam rubber coated with zinc oxide adhesive coating. Serial No. 585,695, Sept. 25. Class 44.

Amertex Manufacturing Company, Inc., New York, N. Y. Pillows. Serial No. 592,593, Sept. 25. Class 32.

Anderson and Johnson, Chicago, Ill. Fish hook. Serial No. 600,940, Sept. 25. Class 22.

Anderson, V. D., Company, The, Cleveland, Ohio. Power driven presses. Serial No. 589,496, Sept. 25. Class 23.

Arma Corporation, Brooklyn, N. Y. Navigation instruments, ordnance instruments, calculating apparatus. Serial No. 583,724, Sept. 25. Class 26.

Armour and Company, Chicago, Ill. Lard. Serial No. 543,396, Sept. 25. Class 46.

Armstrong Cork Company, Lancaster, Pa. Resilient floor tile. Serial No. 592,797, Sept. 25. Class 12.

Artko Mfrs.: *See*—
Rubin, Samuel L.

Autographic Register Company, The, Hoboken, N. J. Manifolding registers. Serial No. 523,884, Sept. 25. Class 23.

B. & B. Enterprises: *See*—
Banowitz, Benjamin.

Balcrank, Inc., Cincinnati, Ohio. Mechanical pressure regulating valves. Serial No. 587,618, Sept. 25. Class 13.

Banowitz, Benjamin, doing business as B. & B. Enterprises, Chicago, Ill. Combined package of raw popcorn, popping oil and seasoning. Serial No. 598,518, Sept. 25. Class 46.

Baumann, Walter K. P., & Co., New York, N. Y. Asphalt emulsion. Serial No. 580,457, Sept. 25. Class 12.

Bausch & Lomb Optical Company, Rochester, N. Y. Photographic objective lenses. Serial No. 610,198, Sept. 25 Class 26.

Beck Equipment Company: *See*—
Beck, Louis, Jr.

Beck, Louis, Jr., doing business as Beck Equipment Company, Cleveland, Ohio. Electrically operated heating apparatus. Serial No. 566,206, Sept. 25. Class 21.

Bettermade Garment Company, Los Angeles, Calif. Women's, misses' and juniors' ready-to-wear clothing. Serial No. 607,000, Sept. 25. Class 39.

Blumstein, A., Inc., New York, N. Y. Watches, watch movements, and parts thereof. Serial No. 584,792, Sept. 25. Class 27.

Bostrom Manufacturing Company, Milwaukee, Wis. Seat mountings and suspensions, seats and seat cushions. Serial No. 604,188, Sept. 25. Class 23.

Bowman Dairy Company, Chicago, Ill. Fresh eggs. Serial No. 574,338, Sept. 25. Class 46.

Brenner, Raymond: *See*—
Brenner, Raymond, Inc.

Brenner, Raymond, Inc., also trading as Raymond Brenner, Youngstown, Ohio. Smokers' articles. Serial No. 592,416, Sept. 25. Class 8.

Broh, Fred G., Inc., New York, N. Y. Shellac, wall paints, and varnish. Serial No. 523,364, Sept. 25. Class 16.

Bruning, Charles, Company Inc., New York, N. Y. Photographic material. Serial No. 609,163, Sept. 25. Class 26.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling bags. Serial No. 613,629, Sept. 25. Class 22.

Bryan Full Fashioned Mills, Chattanooga, Tenn. Hosiery. Serial No. 605,989, Sept. 25. Class 39.

Burton-Morrow Company, Inc.: *See*—
Fear, Fred, & Co.

Caterpillar Tractor Co., Peoria, Ill. Service, maintenance, and repair of internal combustion engines, etc. Serial No. 601,253, Sept. 25. Class 103.

Changemaster Eng. Co.: *See*—
May, Sam.

Chesebro-Whitman Company, Long Island City, N. Y. Stepladders. Serial No. 608,267, Sept. 25. Class 50.

Chicago Desk Pad Company, Inc., The, Chicago, Ill. Desk pads, typewriter pads, phone book covers, etc. Serial No. 602,673, Sept. 25. Class 37.

Chi-Namel Paint and Varnish Co., The: *See*—
Minnesota Paints, Inc.

Clarvan Corporation, Milwaukee, Wis. Vinyl-type plastic sheeting or film. Serial No. 503,191, Sept. 25. Class 42.

Coast-In Pontiac Co., Inc., Washington, D. C. New and used automotive vehicles. Serial No. 541,404, Sept. 25. Class 19.

Coast Maid Paper Products Co., Los Angeles, Calif. Drinking straws. Serial No. 584,386, Sept. 25. Class 50.

Cohen, I., & Sons Co., Inc., Boston, Mass. Men's and women's shoes. Serial No. 602,930, Sept. 25. Class 39.

Comoy, H., & Co., Limited, London, England. Tobacco pipes. Serial No. 587,713, Sept. 25. Class 8.

Compagnie Electro-Mecanique, Paris, France. Watches, clocks, etc. Serial No. 603,183, Sept. 25. Class 27.

Concord Clothes, Inc., New York, N. Y. Women's, men's, young men's and students' clothing. Serial No. 595,451, Sept. 25. Class 39.

Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, face powder and mascara. Serial No. 607,798, Sept. 25. Class 51.

Continental Can Company Inc., New York, N. Y. Decorative laminated plastic sheets. Serial No. 586,959, Sept. 25. Class 12.

Cook Bros. Equipment Co., Los Angeles, Calif. Auxiliary transmission mechanisms. Serial No. 579,267, Sept. 25. Class 23.

Crump, B. T., Company, Inc., Richmond, Va. Cotton fabric. Serial No. 592,132, Sept. 25. Class 42.

Cusano, Paul, Hasbrouck Heights, N. J. Manually operated adjustable brackets. Serial No. 586,147, Sept. 25. Class 13.

Dache, Lilly, Inc., New York, N. Y. Women's hosiery. Serial No. 603,114, Sept. 25. Class 39.

Danbury Rubber Company, Inc., The, Danbury, Conn. Shoe soles and heels. Serial No. 606,001, Sept. 25. Class 39.

Danbury Rubber Company, Inc., The, Danbury, Conn. Rubber floor, door, and bath mats, etc. Serial No. 606,002, Sept. 25. Class 50.

Dawe's Manufacturing Company, Chicago, Ill. Vitamin and protein supplement. Serial No. 585,441, Sept. 25. Class 18.

Delta Food Packers, Inc., Hammonton, N. J. Canned tomatoes and sweet potatoes. Serial No. 604,773, Sept. 25. Class 46.

Demco, Inc., Denver, Colo. Medicated plastic dressing. Serial No. 546,283, Sept. 25. Class 18.

Detroit Regulator Company, Detroit, Mich. Means for controlling gas flow. Serial No. 606,003, Sept. 25. Class 13.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Paint-like material. Serial No. 559,463, Sept. 25. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Double-strength white paste paint. Serial No. 559,464, Sept. 25. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Ready-mixed self-leveling flat paint. Serial No. 559,466, Sept. 25. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Ready-mixed paints. Serial No. 559,467, Sept. 25. Class 16.

Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Pigmented oleo-resinous paints and air drying paint enamels. Serial No. 559,468, Sept. 25. Class 16.

Dohrmann Hotel Supply Co., San Francisco, Calif. Ventilators. Serial No. 561,908, Sept. 25. Class 34.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 596,399, Sept. 25. Class 12.

Edmundson-Dube Rice Mill Company, Inc., Rayne, La. Rice. Serial No. 535,509, Sept. 25. Class 46.

Edwards Company, Inc., Norwalk, Conn. Electric signal chimes and electric door chimes. Serial No. 611,734, Sept. 25. Class 21.

Ellison & Spring, Inc., New York, N. Y. Plastic table mats. Serial No. 608,537, Sept. 25. Class 50.

Elvic Import Corporation, New York, N. Y. Pure silk bridal illusion, silk veilings, silk maline, etc. Serial No. 590,346, Sept. 25. Class 42.

Exactomatic Systems: *See*—
Schmitt, Joe L., Jr.

Excelsior Accordions, Inc., New York, N. Y. Accordions. Serial No. 605,205, Sept. 25. Class 36.

Faris, Carter U., Winchester, Tenn. Seed corn. Serial No. 607,541, Sept. 25. Class 1.

Farm Tools, Inc., Mansfield, Ohio. Rotary cultivators. Serial No. 550,399, Sept. 25. Class 23.

Fear, Fred & Co., Brooklyn, N. Y., and elsewhere, by merger with Burton-Morrow Company, Inc. Flavoring extracts. Serial No. 576,397, Sept. 25. Class 46.

Felca S. A., Grenchen, Switzerland. Watches and clocks. Serial No. 606,938, Sept. 25. Class 27.

Ferguson, Edgar A., Brooklyn, N. Y. Digitoxin preparations. Serial No. 594,373, Sept. 25. Class 18.

Finkel Umbrella Frame Company, Inc., The, New York, N. Y. Umbrella frames. Serial No. 603,442, Sept. 25. Class 41.

Foley & Company, Chicago, Ill. Throat lozenges. Serial No. 599,664, Sept. 25. Class 18.

Forstner Chain Corporation, Irvington, N. J. Jewelry. Serial No. 579,812, Sept. 25. Class 28.

Foster Wheeler Corporation, New York, N. Y. Periodical publication. Serial No. 597,425, Sept. 25. Class 38.

Francis, Gerald C., Lansing, Mich. Optical instrument and parts thereof. Serial No. 605,093, Sept. 25. Class 26.

Frank Sale Service, Inc.: *See*—
Stroeck, Franklin C.

Frost, John G., doing business under the name of Superior Engineering Company, Seattle, Wash. Fuel oil heaters. Serial No. 603,989, Sept. 25. Class 34.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 611,694, Sept. 25. Class 42.

GHN Neon Co., Culver City, Calif. Electric signs and transformers. Serial No. 606,291, Sept. 25. Class 21.

Garner, Henry H., Jr., Birmingham, Ala. Stone slabs and blocks. Serial No. 596,222, Sept. 25. Class 12.

Geary-Jennings, Los Angeles, Calif. Combined automatic samplers and transferring devices. Serial No. 594,115, Sept. 25. Class 23.

General Paint Corporation, San Francisco, Calif. Color concentrates to be mixed with paints. Serial No. 603,920, Sept. 25. Class 16.

General Refractories Company, Philadelphia, Pa. Silica mortar. Serial No. 588,795, Sept. 25. Class 12.

Gillette Safety Razor Company, assignee: *See*—
Toni Company, The.

Girl Scouts of the United States of America, New York, N. Y. Shoes. Serial No. 598,529, Sept. 25. Class 39.

Goss, Alfred, doing business as Goss & Goss, San Francisco, Calif. Caulking compound. Serial No. 546,582, Sept. 25. Class 12.

Goss & Goss: *See*—
Goss, Alfred.

Gould, Geo. H., Company, Incorporated, Louisville, Ky. Whiskey. Serial No. 570,415, Sept. 25. Class 49.

Goya Incorporated, New York, N. Y. Perfumes. Serial No. 602,887, Sept. 25. Class 51.

Gravymaster Company, Inc., Long Island City, N. Y. Vegetable seasoning. Serial No. 606,607, Sept. 25. Class 46.

Gretsch, Fred., Manufacturing Co., The, Brooklyn, N. Y. Musical instruments. Serial No. 546,583, Sept. 25. Class 36.

Gulf Coast Films, Inc., Houston, Tex. Motion pictures. Serial No. 603,997, Sept. 25. Class 26.

Gulf States Paper Corporation, Tuscaloosa, Ala. Wrapping paper and butchers' paper. Serial No. 608,931, Sept. 25. Class 37.

Halstead, Marian, Washington, D. C. Undergarments. Serial No. 605,739, Sept. 25. Class 39.

Hamilton Dwight Company, Inc., New York, N. Y. Water color paint. Serial No. 603,449, Sept. 25. Class 16.

Hanna Paint Manufacturing Co., The, Columbus, Ohio. Ready-mixed interior and exterior paints, paint enamel, varnish, etc. Serial No. 572,738, Sept. 25. Class 16.

Hayward Hosiery Company, Ipswich, Mass. Hosiery. Serial No. 603,010, Sept. 25. Class 39.

Hazel-Atlas Glass Company, Wheeling, W. Va. Closures for receptacles. Serial No. 595,256, Sept. 25. Class 50.

Hoffmaster Paper Company, Inc., Oshkosh, Wis. Embossed folded paper napkins. Serial No. 608,934, Sept. 25. Class 37.

Holman, A. J., Company, Philadelphia, Pa. Bibles. Serial No. 608,112, Sept. 25. Class 38.

Hubbard and Company, Pittsburgh, Pa. Tools and similar devices. Serial No. 581,480, Sept. 25. Class 23.

Hudnut, Richard, New York, N. Y. Perfume. Serial No. 599,093, Sept. 25. Class 51.

Hudnut, Richard, New York, N. Y. Face powder and cold cream. Serial No. 599,095, Sept. 25. Class 51.

Hudson Motor Car Company, Detroit, Mich. Internal combustion engines. Serial No. 606,077, Sept. 25. Class 23.

Hy-Lite Plastic Co., New York, N. Y. Buttons. Serial No. 573,705, Sept. 25. Class 40.

Illingworth's Snuffs Limited, Kendal, Westmoreland, England. Snuff. Serial No. 596,727, Sept. 25. Class 17.

Independent Growers, Inc., Lindsay, Calif. Fresh oranges. Serial No. 605,903–04, Sept. 25. Class 46.

Independent Protection Co. Inc., Goshen, Ind. Lightning protection apparatus. Serial No. 603,531, Sept. 25. Class 21.

Institutional Products Company, New York, N. Y., assignor to Institutional Products Corporation. Scalpels; elastic and non-elastic bandages, etc. Serial No. 555,522, Sept. 25. Class 44.

Institutional Products Corporation, assignee: *See*—
Institutional Products Company.

Interchemical Corporation, New York, N. Y. Varnishes and lacquers. Serial No. 602,557, Sept. 25. Class 16.

International Nickel Company, Inc., The, New York, N. Y. Metal welding electrodes. Serial No. 605,215, Sept. 25. Class 14.

Irwin Foundry & Mine Car Company, Irwin, Pa. Mine cars, industrial cars, kiln cars, and tram cars. Serial Nos. 608,313–14, Sept. 25. Class 19.

Jefferson Island Salt Company, Louisville, Ky. Stock feeding salt. Serial No. 588,834, Sept. 25. Class 46.

Joan-Doug Undergarment Co., Inc., New York, N. Y. Sanitary napkin-holding panties. Serial No. 598,856, Sept. 25. Class 44.

Johns-Manville Corporation, New York, N. Y. Bituminous enamels and paints, etc. Serial No. 590,442, Sept. 25. Class 16.

Jupiter Foundations, Inc., New York, N. Y. Brassières. Serial No. 518,080, Sept. 25. Class 39.

Kagram Corporation, assignee: *See*—
Smith, Robert E.

Kelley, Kathryn, Recordcraft, Bedford Hills, N. Y. Toy sewing kit. Serial No. 594,382, Sept. 25. Class 22.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 570,367, Sept. 25. Class 46.

King Hardware Company, Atlanta, Ga. Axes, adzes, hatchets, etc. Serial No. 588,099, Sept. 25. Class 23.

Koch Engineering Company, Inc., The, Wichita, Kans. Petroleum refinery apparatus and parts thereof. Serial No. 512,181, Sept. 25. Class 23.

Kotake Company, Limited, Honolulu, Territory of Hawaii. Playing cards. Serial No. 614,206, Sept. 25. Class 22.

Kress, S. H., and Company, New York, N. Y. Men's knitted and textile underwear. Serial No. 586,289, Sept. 25. Class 39.

Kroll Trading Co., New York, N. Y. Pocket knives. Serial No. 606,476, Sept. 25. Class 23.

Lafayette Coal Company, Chicago, Ill. Coal. Serial Nos. 598,729–32, Sept. 25. Class 1.

Larus & Brother Company, Richmond, Va. Smoking tobacco. Serial No. 594,270, Sept. 25. Class 17.

Leggett, Francis H., & Company, New York, N. Y. Grape juice, apple cider, and soda fountain syrups. Serial No. 606,668, Sept. 25. Class 45.

Lehon Company, The, Chicago, Ill. Banners, bird houses, door mats, etc. Serial No. 520,749, Sept. 25. Class 50.

Lindsey-Robinson & Company, Inc., Roanoke, Va. Poultry and livestock feeds, dairy rations. Serial No. 579,504, Sept. 25. Class 46.

Lord Optical Manufacturing Corporation, New York, N. Y. Spectacle frames. Serial No. 570,901, Sept. 25. Class 26.

Lowebco, Incorporated, Chicago, Ill. Paint additive for creating sand finished textured coatings. Serial No. 607,179, Sept. 25. Class 16.

Macfadden Publications, Inc., New York, N. Y. Monthly magazine. Serial No. 601,634, Sept. 25. Class 38.

Mac-O-Lac Paint & Varnish Works, Detroit, Mich. Ready-mixed paints, varnishes, paint enamels. Serial No. 555,826, Sept. 25. Class 16.

Majestic Ladies Shop, Inc., New York, N. Y. Ladies' hosiery. Serial No. 607,959, Sept. 25. Class 39.

Malone Knitting Company, Springfield, Mass. Infants' underwear. Serial No. 607,960, Sept. 25. Class 39.

Mangels, Arthur C., Industries, Philadelphia, Pa. Self-priming house paint. Serial No. 596,285, Sept. 25. Class 16.

Manufacturers and Importers of French Perfumes, Inc., Dover, Del., and New York, N. Y. Perfumes and toilet waters. Serial No. 599,445, Sept. 25. Class 51.

May, Sam, doing business as Changemaster Eng. Co., Dallas, Tex. Automatic coin changing machines. Serial No. 583,485, Sept. 25. Class 26.

McDonald, James W., Wichita Falls, Tex. Cooked animal fats, oils and greases, etc. Serial No. 521,355, Sept. 25. Class 46.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Emulsion-like liquid preparation. Serial No. 566,629, Sept. 25. Class 18.

Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Consulting, engineering, and design services. Serial No. 533,341, Sept. 25. Class 100.

Mennel Milling Company, The, Fostoria and Toledo, Ohio. Wheat flour. Serial Nos. 593,034–5, Sept. 25. Class 46.

Metallising Engineering Co. Inc., Long Island City, N. Y. Repairing of metal spraying equipment and metal spraying equipment accessories. Serial No. 608,878, Sept. 25. Class 103.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motion pictures. Serial No. 603,805, Sept. 25. Class 26.

Minnesota Linseed Oil Paint Co.: *See*—
Minnesota Paints, Inc.

Minnesota Paints, Inc., Minneapolis, Minn., formerly Minnesota Linseed Oil Paint Co., doing business as the Chi-Namel Paint and Varnish Co. Enamel paint and clear varnish. Serial No. 527,675, Sept. 25. Class 16.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber and fabric sport shoes. Serial No. 530,098, Sept. 25. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear. Serial No. 596,432, Sept. 25. Class 39.

Mitropa Corporation of New York, New York, N. Y. Photoelectric exposure meter. Serial No. 602,812, Sept. 25. Class 26.

Mohr, Ann E., New York, N. Y. Toy gift stockings. Serial No. 611,366, Sept. 25. Class 22.

Morris, R. E., Company, Inc., Waterloo, Iowa. Spraying apparatus mounted on a mobile vehicle. Serial No. 559,112, Sept. 25. Class 23.

Mueller, A. R., doing business as A. R. Mueller Printing & Lithograph Co., Cleveland, Ohio. Magazine. Serial No. 596,353, Sept. 25. Class 38.

Mueller, A. R., Printing & Lithograph Co.: *See*—
Mueller, A. R.

Necchi Sewing Machine Sales Corp., New York, N. Y. Sewing machines, and sewing machine parts. Serial No. 585,856, Sept. 25. Class 23.

Neptune Specialties, Inc., Brooklyn, N. Y. Small, individual, waterproof plastic covered, decorative seat cushions. Serial No. 608,665, Sept. 25. Class 32.

New England Bedding Company, Medford, Mass. Chairs. Serial No. 605,756, Sept. 25. Class 32.

Newport Finishing Corporation, Providence, R. I., and Fall River, Mass. Imparting a satin finish to fabrics. Serial No. 591,694, Sept. 25. Class 106.

Nichols Wire and Aluminum Co., Davenport, Iowa. Metal roofing, metal roofing materials, etc. Serial No. 568,439, Sept. 25. Class 12.

Nicole Sportswear, Inc., New York, N. Y. Blouses and skirts. Serial No. 558,662, Sept. 25. Class 39.

Nik-O-Lok Company, The, Indianapolis, Ind. Metal folding shelves. Serial No. 576,591, Sept. 25. Class 13.

Norman Products Company, Columbus, Ohio. Gas-fired, forced air unit heater. Serial No. 611,715, Sept. 25. Class 34.

Novadel-Agene Corporation, Belleville, N. J. Apparatus for generating and delivering reagent gas. Serial No. 581,562, Sept. 25. Class 34.

Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Jeans. Serial No. 592,830, Sept. 25. Class 39.

O'Sullivan Rubber Corporation, Winchester, Va. Rubber heels and soles. Serial No. 556,215, Sept. 25. Class 39.

Pabco Products, Inc.: *See*—
Paraffine Companies, Inc., The.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name, Pabco Products, Inc. Ready mixed liquid, paste, and emulsified paints, paint enamels, laquers, etc. Serial No. 550,937, Sept. 25. Class 16.

Parfumerie Lubin, Societe Anonyme, Paris, France. Perfumes, toilet waters, rouge, etc. Serial No. 516,632, Sept. 25. Class 51.

Patent Scaffolding Co., Inc., The, Long Island City, N. Y. Scaffolding and parts thereof. Serial No. 605,759, Sept. 25. Class 50.

Patrick County Canning Co., Inc., Stuart, Va. Canned sliced apples, canned baked apples, canned blackberries, etc. Serial No. 601,564, Sept. 25. Class 46.

Petri Cigar Company: *See*—
Petri Wine Company.

Petri Wine Company, doing business as Petri Cigar Company, San Francisco, Calif. Cigars, cigarettes and smoking and chewing tobacco. Serial No. 597,840, Sept. 25. Class 17.

Petroleum Accessories, Inc., Detroit, Mich. Mechanical straining and filtering units. Serial No. 540,200, Sept. 25. Class 31.

Phenix Manufacturing Company Inc., Milwaukee, Wis. Overhead doors, combination doors, etc. Serial No. 599,778, Sept. 25. Class 12.

Plastisign Corporation of America, Philadelphia, Pa. Plastic signs. Serial No. 584,346, Sept. 25. Class 50.

Pockrandt, Inc., Bay City, Mich. Paint and varnish remover. Serial No. 605,264, Sept. 25. Class 16.

Polymer Corporation, The, Reading, Pa. Synthetic plastic materials. Serial No. 603,204, Sept. 25. Class 1.

Premier Knitting Co. Inc., New York, N. Y. Ladies' and misses' sweaters and sweater ensembles. Serial No. 608,016, Sept. 25. Class 39.

Pretlow Peanut Company, Inc., Franklin, Va. Fancy hand picked Virginia peanuts. Serial No. 600,849, Sept. 25. Class 46.

Puritan Mills, Atlanta, Ga. Poultry and cattle pellets, rabbit pellets, etc. Serial No. 545,166, Sept. 25. Class 46.

Raxon Fabrics Corp., New York, N. Y. Necktie fabrics. Serial No. 606,950, Sept. 25. Class 42.

Red Hand Compositions Company, Inc., New York, N. Y. Rubber base and varnish base paints and sealers. Serial No. 574,861, Sept. 25. Class 16.

Regis Leather Company, Peabody, Mass. Leather. Serial No. 586,652, Sept. 25. Class 1.

Republic Paint & Varnish Co., Chicago, Ill. Heavy duty paint. Serial No. 540,893, Sept. 25. Class 16.

Riegel Textile Corporation, New York, N. Y. Work gloves. Serial No. 604,160, Sept. 25. Class 39.

RIV—Officine di Villar Perosa Societa per Axioni, Turin, Italy. Cash registers. Serial No. 607,098, Sept. 25. Class 26.

Robinson Clay Product Company, The, Akron, Ohio. Ladle lining cement. Serial No. 596,240, Sept. 25. Class 12.

Rubin, Samuel L., doing business as Artko Mfrs., Chicago, Ill. Dry cleaning garment finisher. Serial No. 602,779, Sept. 25. Class 24.

Rugg, E. T., Company, The, Newark, Ohio. Lawn mowers. Serial No. 609,816, Sept. 25. Class 23.

S & Z Manufacturing Co., Chicago, Ill. Women's slips. Serial No. 610,500, Sept. 25. Class 39.

Saab, A. N., Co., Inc., New York, N. Y. Ladies' gowns, slips, panties, etc. Serial No. 603,130, Sept. 25. Class 39.

Sagner's, A., Son, Baltimore, Md. Men's and women's coats and suits, etc. Serial No. 572,453, Sept. 25. Class 39.

Saino, F. L., Manufacturing Co., The, Memphis, Tenn. Composite fire doors. Serial No. 602,780, Sept. 25. Class 12.

Saval Company, Los Angeles, Calif. Hydraulic valves and valve parts. Serial No. 570,381, Sept. 25. Class 13.

Scenic Citrus Cooperative, Frostproof, Fla. Fresh citrus fruits and canned tangerine juice. Serial No. 607,872, Sept. 25. Class 46.

Schmitt, Joe L., Jr., doing business as Exactomatic Systems, Phoenix, Ariz. Bookkeeping service. Serial Nos. 595,855–6, Sept. 25. Class 101.

Schwartz, L. N., & Sons, Inc., Philadelphia, Pa. Leather shoes, leather moccasins, and athletic footwear. Serial No. 533,927, Sept. 25. Class 39.

Scientific Photo Corp., Queens Village, N. Y. Printed photographs. Serial No. 608,046, Sept. 25. Class 38.

Scovill Manufacturing Company, Waterbury, Conn. Air cylinders. Serial No. 607,267, Sept. 25. Class 23.

Sealy, Incorporated, Chicago, Ill. Mattresses and box springs. Serial No. 593,448, Sept. 25. Class 32.

Seaman, Harry J., doing business as Seaman Motors, Milwaukee, Wis., assignor to Seaman Motors, Inc. Rotary plows. Serial No. 503,999, Sept. 25. Class 23.

Seaman Motors: *See*—
Seaman, Harry J.

Seaman Motors, Inc., assignee: *See*—
Seaman, Harry J.

Sears, Roebuck and Co., Chicago, Ill. Miter boxes, levels, squares, etc. Serial No. 570,650, Sept. 25. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Blow torches and plumbers' portable blast furnaces. Serial No. 571,098, Sept. 25. Class 34.

Sears, Roebuck and Co., Chicago, Ill. Hand operated insecticide, herbicide and fungicide sprayers, etc. Serial No. 581,367, Sept. 25. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Electric blankets, lamp shades, and electrical lighting apparatus. Serial No. 612,091, Sept. 25. Class 21.

Service Seed Co. Ltd., Crystal Springs, Miss. Vegetable seed and field seeds. Serial No. 606,812, Sept. 25. Class 1.

Shapleigh Hardware Company, St. Louis, Mo. Saws. Serial No. 567,927, Sept. 25. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Hormone preparation. Serial No. 584,355, Sept. 25. Class 18.

Sheraton Corporation of America, Jersey City, N. J., and Boston, Mass. Hotel and restaurant services. Serial No. 563,549, Sept. 25. Class 100.

Silson Products, Inc., Cambridge, Mass. Hair dressing preparation. Serial No. 607,689, Sept. 25. Class 51.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses' and children's caps; hats; shoes, etc. Serial No. 589,120, Sept. 25. Class 39.

Smith, J. Hungerford, Co., Rochester, N. Y. Chocolate syrup. Serial No. 533,063, Sept. 25. Class 45.

Smith, Robert E., assignor to Kagram Corporation, New York, N. Y. Gloves and mittens. Serial No. 595,003, Sept. 25. Class 39.

Smith, S. W., Rio Vista, Calif. Appliances used in fishing. Serial No. 614,220, Sept. 25. Class 22.

Societa Ceramica Richard-Ginori, Milan, Italy. Vases, trays, cups, etc. Serial No. 586,199, Sept. 25. Class 30.

"Sonapar," Société de Participation, Société Anonyme, Luxemburg, Luxemburg. Machines for sawing, cutting, polishing and drilling rock and stones. Serial No. 570,387, Sept. 25. Class 23.

Southeastern Syrup Company, Jackson, Tenn. Fruit jelly. Serial No. 598,870, Sept. 25. Class 46.

Spool Cotton Company, The, New York, N. Y. Printed instruction leaflets. Serial No. 601,811, Sept. 25. Class 38.

Standard Motor Company Limited, The, Coventry, England. Motor cars. Serial No. 591,117, Sept. 25. Class 19.

Storch, Max H., New York, N Y—Baby dresser sets and toilet sets. Serial No. 608,899, Sept. 25. Class 40.

Straubel Paper Co., Green Bay, Wis. Dusting tissue. Serial No. 564,664, Sept. 25. Class 37.

Stroeck, Franklin C., doing business as Frank Sale Service, Inc., San Antonio, Tex. Candy. Serial No. 584,423, Sept. 25. Class 46.

Stuart-Chase Co., North Bergen, N. J. Absorbent covered frangible ampules. Serial No. 606,909, Sept. 25. Class 51.

Sunset Incorporated, Chicago, Ill. Whiskey. Serial No. 516,227, Sept. 25. Class 49.

Superior Engineering Company: *See*—
Frost, John G.

Swift Electric Welder Company, Detroit, Mich. Electric welding machinery. Serial No. 601,483, Sept. 25. Class 21.

Swiss Watch Dial Co., Inc., New York, N. Y. Wrist-bands for wrist watches. Serial No. 585,196, Sept. 25. Class 28.

Swiss Watch Dial Co., Inc., New York, N. Y. Wrist-bands for wrist watches. Serial No. 605,242, Sept. 25. Class 28.

Synthetic & Industrial Finishes Limited, Watford, England. Liquid paints. Serial No. 603,211, Sept. 25. Class 16.

Taylor Instrument Companies, Rochester, N. Y. Fluid actuated instrument for measuring the temperature or pressure of a medium, etc. Serial No. 587,368, Sept. 25. Class 26.

Technicon Company, The, New York, N. Y. Apparatus for collecting fractions or samples of materials. Serial No. 609,109, Sept. 25. Class 26.

Terrytoons, Inc., New Rochelle N. Y. Comic strips. Serial No. 608,130, Sept. 25. Class 38.

Thermo-Rite Manufacturing Company, Akron, Ohio. Fireplace fixture or front. Serial No. 611,384, Sept. 25. Class 34.

Thompson & Company, Inc., Tampa, Fla. Cigars. Serial No. 595,627, Sept. 25. Class 17.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial No. 609,510, Sept. 25. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. Serial No. 609,512, Sept. 25. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial No. 609,513, Sept. 25. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. Serial Nos. 609,515–17, Sept. 25. Class 37.

Toni Company, The, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass. Liquid creme shampoo. Serial No. 589,536, Sept. 25. Class 52.

Trade-Wind Motorfans, Inc., Los Angeles, Calif. Ventilators. Serial No. 498,814, Sept. 25. Class 34.

Triumph Engineering Company Limited, Coventry, England. Motor cycles. Serial No. 599,201, Sept. 25. Class 19.

Tumb-L-Matic, Inc., New York, N. Y. Abrasive compounds. Serial No. 607,463, Sept. 25. Class 4.

United States Junior Chamber of Commerce, The, St. Louis, Mo., and Tulsa, Okla. Organizing and holding meetings and competitions and other special events. Serial No. 506,232, Sept. 25. Class 100.

United States Safety Service Co., Kansas City, Mo. Brochure of facts and material. Serial No. 598,619, Sept. 25. Class 38.

Veego Foods, Inc., Harrison, N. J. Cheese. Serial No. 598,767, Sept. 25. Class 46.

Vegetable Oil Products Company, Inc., Wilmington, Calif. Vegetable shortening. Serial No. 600,708, Sept. 25. Class 46.

Velsicol Corporation, Chicago, Ill. Varnish or lacquer coating compositions. Serial No. 593,758, Sept. 25. Class 16.

Verflex Co., Inc., The, Carlstadt, N. J. Ready mixed oil-containing paints, synthetic enamels, varnishes, etc. Serial No. 595,107, Sept. 25. Class 16.

Verflex Co., Inc., The, Carlstadt, N. J. Ready mixed oil-containing paints, synthetic enamels, varnishes, etc. Serial No. 595,109, Sept. 25. Class 16.

Vesuvius Crucible Company, Swissvale, Pa. Ladle stoppers. Serial No. 578,470, Sept. 25. Class 34.

Vigny, Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. Serial No. 607,058, Sept. 25. Class 51.

W-L Molding Company, Kalamazoo, Mich. Bearings and rollers. Serial No. 605,620, Sept. 25. Class 23.

"Western Maryland Dairy": *See*—
Western Maryland Dairy, Inc.

Western Maryland Dairy, Inc., and doing business sometimes under the name "Western Maryland Dairy," Baltimore, Md. Fluid milk and cream and condensed milk. Serial No. 567,669, Sept. 25. Class 46.

Western Pine Association, Portland, Oreg. Lumber and lath. Serial No. 595,580, Sept. 25. Class 12.

Westerrr Waterproofing Company: *See*—
Western Waterproofing Company, Inc.

Western Waterproofing Company, Detroit, Mich. Waterproofing and weatherproofing compositions. Serial No. 534,847, Sept. 25. Class 12.

Western Waterproofing Company, Inc., St. Louis, Mo., assignee of Western Waterproofing Company. Cementitious materials. Serial No. 527,350, Sept. 25. Class 12.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Heating, lighting and ventilating apparatus, supplies and parts therefor. Serial No. 606,105, Sept. 25. Class 34.

Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Radio program broadcasting services. Serial No. 559,971, Sept. 25. Class 104.

White, Arthur J., Inc.: *See*—
White, Arthur J., Sales, Inc.

White, Arthur J., Sales, Inc., Battle Creek, Mich., now by change of name Arthur J. White, Inc. Lotion. Serial No. 562,678, Sept. 25. Class 51.

Wintriss, George, New York, N. Y. Reed type sound makers. Serial No. 599,138, Sept. 25. Class 22.

Wolf, H., & Sons: *See*—
Wolf, Moses.

Wolf, Moses, doing business as H. Wolf & Sons, Cincinnati, Ohio. Men's and boys' undershirts, drawers, unionsuits, etc. Serial No. 585,878, Sept. 25. Class 39.

Wood, J. B., doing business under the trade name of Wood Manufacturing Co., El Dorado, Ark. Artificial fish lures. Serial No. 599,915, Sept. 25. Class 22.

Wood Manufacturing Co.: *See*—
Wood, J. B.

Woods, H., Company, San Francisco, Calif. Women's hosiery. Serial No. 607,107, Sept. 25. Class 39.

Wyeth Incorporated, Philadelphia, Pa. Vitamin B_{12}. Serial No. 606,187, Sept. 25. Class 18.

Wyeth-Scott Company, The, Newark, Ohio. Hand operated, cable-type power pullers. Serial No. 573,517, Sept. 25. Class 23.

Wype Corporation, St. Louis, Mo. Liquid transparent lacquer. Serial No. 551,675, Sept. 25. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Ach, Eugene L., Cincinnati, Ohio. Toy kits for children. 548,834, Sept. 25; Serial No. 608,975, published July 10, 1951. Class 22.

Ach, Eugene L., Cincinnati, Ohio. Toy shaving kits. 548,845, Sept. 25; Serial No. 612,057, published July 10, 1951. Class 22.

Advance Polishing Wheels, Inc., by Advance Polishing Wheels, Inc., Chicago, Ill. Polishing wheels. 277,070, Nov. 4, 1930. Republished Sept. 25. Class 4.

Airdo Aluminum Awning Co., Los Angeles, Calif. Aluminum awnings. 548,758, Sept. 25; Serial No. 602,355, published May 29, 1951. Class 12.

Aktiebolaget Grumme & Son: *See*—
Grumme & Son.

Aldens, Inc., Chicago, Ill. Metal and woodworking machinery, hand tools, etc. 548,817–18, Sept. 25; Serial Nos. 605,777–8, published June 5, 1951. Class 23.

Aldens, Inc., Chicago, Ill. Metal and woodworking machinery, hand tools, etc. 548,819, Sept. 25; Serial No. 605,780, published June 5, 1951. Class 23.

Algarve Exportador, Lda., Lisbon, Portugal. Canned sardines, anchovies, and tunny fish. 548,515, Sept. 25; Serial No. 544,019, published June 5, 1951. Class 46.

Allbright-Nell Company, The, Chicago, Ill. Grindstones. 548,609, Sept. 25; Serial No. 583,067, published Sept. 19, 1950. Class 4.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Hand trowels and weeders. 289,339, renewed Nov. 24, 1951. O. G. Sept. 25. Class 23.

Alliance Color & Chemical Co., Newark, N. J. Azo dyestuffs. 548,655–6, Sept. 25; Serial Nos. 591,268–9, published July 10, 1951. Class 6.

Allied Chemical & Dye Corporation: *See*—
Solvay Process Company, The.

Allied Chemical & Dye Corporation, New York, N. Y. Preparation for use in paints to prevent skinning. 548,727, Sept. 25; Serial No. 599,800, published July 3, 1951. Class 16.

Alligator Company, The, St. Louis, Mo. Raincoats. 288,723, renewed Nov. 3, 1951. O. G. Sept. 25. Class 39.

All Western Plastics, Inc., Scottsbluff, Nebr. Bandalore toy spinning tops. 548,830, Sept. 25; Serial No. 607,534, published July 10, 1951. Class 22.

Alt Mfg. & Dist. Co.: *See*—
Alt, Ray F.

Alt, Ray F., doing business as Alt Mfg. & Dist. Co., Toledo, Ohio. Fabric pocket. 548,859, Sept. 25; Serial No. 557,580. Class 39.

American Bleached Goods Company, Inc., New York, N. Y. Women's and children's blouses and dresses, infants' dresses, etc. 548,661, Sept. 25; Serial No. 592,063, published June 26, 1951. Class 39.

American Brake Shoe Company, New York, N. Y. Plastic tiles and plastic slabs. 548,648, Sept. 25; Serial No. 590,048, published June 26, 1951. Class 12.

American Cyanamid Company, New York, N. Y. Antianemia preparations. 548,644, Sept. 25; Serial No. 589,413, published June 12, 1951. Class 18.

American Decalcomania Company, Inc., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Reflector signs. 548,504, Sept. 25; Serial No. 532,540, published June 12, 1951. Class 50.

American-Marsh Pumps, Inc., Battle Creek, Mich. Pumping apparatus. 548,870, Sept. 25; Serial No. 579,731. Class 23.

American Silk Mills Inc., New York, N. Y. Textile piece goods. 548,523, Sept. 25; Serial No. 549,105, published July 3, 1951. Class 42.

Androscoggin Mills, by Bates Manufacturing Company, Lewiston, Maine. Cotton sheetings, sheets, pillow cases, and quilts. 185,509, June 17, 1924. Republished Sept. 25. Class 42.

Androscoggin Mills, by Bates Manufacturing Company, Lewiston, Maine. Textile sheets and pillow cases. 231,272, Aug. 16, 1927. Republished Sept. 25. Class 42.

Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Colors for cosmetic purposes. 548,769, Sept. 25; Serial No. 603,100, published June 19, 1951. Class 51.

Anson Incorporated, Providence, R. I. Belts. 548,885, Sept. 25; Serial No. 594,684. Class 39.

Anthron Products: *See*—
Rupp, William.

Anti-X Co., The, St. Louis, Mo. Internal medicine. 548,650, Sept. 25; Serial No. 590,576, published June 12, 1951. Class 18.

Ariston Canning Co., Cologne, N. J. Canned fruits, berries, and vegetables. 548,585, Sept. 25; Serial No. 576,949, published July 3, 1951. Class 46.

Arkansas Company, Inc., Newark, N. J. Aqueous mixture of solubilized proteins, etc. 548,693, Sept. 25; Serial No. 595,530, published June 12, 1951. Class 52.

Armour and Company, Chicago, Ill. Bacon. 548,510, Sept. 25; Serial No. 540,140, published July 3, 1951. Class 46.

Armour and Company, doing business under the trade style J. K. Mosser Leather Corporation, Chicago, Ill. Sole leather. 548,520, Sept. 25; Serial No. 546,637, published June 12, 1951. Class 1.

Armour and Company, Chicago, Ill. Liver fractions. 548,568, Sept. 25; Serial No. 572,714, published Mar. 21, 1950. Class 18.

Armstrong Products Company, Warsaw, Ind. Plastic bookmarks. 548,620, Sept. 25; Serial No. 585,781, published June 12, 1951. Class 37.

Arnold Milling Company, The, Sterling, Kans. Wheat flour, self-rising flour, etc. 284,248, renewed June 23, 1951. O. G. Sept. 25. Class 46.

Artcraft Manufacturing Co., The, Cleveland, Ohio. Paint enamels; oil paints, ready mixed aluminum, bronze, and gold oil paints, etc. 548,863, Sept. 25; Serial No. 565,099. Class 16.

Artistic Foundations, Inc., New York, N. Y. Women's and misses' T-shirts, outer shorts, garden coats, etc. 548,607, Sept. 25; Serial No. 582,514, published July 3, 1951. Class 39.

Atlantic Paint & Varnish Works, Inc., Wilmington, N. C. Semi-paste paints, ready mixed paints, flat paints, etc. 548,704, Sept. 25; Serial No. 596,473, published July 3, 1951. Class 16.

Atlantic Refining Company, The, Philadelphia, Pa. Gasoline. 548,812, Sept. 25; Serial No. 605,087, published June 19, 1951. Class 15.

Atlas Powder Company, Wilmington, Del. Synthetic polyester resins. 548,807, Sept. 25; Serial No. 604,832, published July 10, 1951. Class 6.

Automobile Dealers Associates, Inc., Chicago, Ill. Motor oil. 548,810, Sept. 25; Serial No. 604,896, published June 19, 1951. Class 15.

Bags, Inc., also doing business under the name Wipo Manufacturing Co., Columbus, Ga. Industrial wiping towels, and fabric squares. 548,578, Sept. 25; Serial No. 575,116, published July 3, 1951. Class 42.

Bailey, Philip W., Seattle, Wash. Siding for walls of buildings. 548,666, Sept. 25; Serial No. 593,098, published May 22, 1951. Class 12.

Bain, Mrs., Washington, D. C. Mixture containing flour and other ingredients. 283,025, May 12, 1931. Republished Sept. 25. Class 46.

Balch Flavor Company: *See*—
Balch, Gerald G.

Balch, Gerald G., doing business as Balch Flavor Company, Pittsburgh, Pa. Flavoring syrups. 548,748, Sept. 25; Serial No. 601,817, published July 3, 1951. Class 46.

Banfree Products Company, Wellsville, N. Y. Liquid soap. 548,719, Sept. 25; Serial No. 598,828, published June 26, 1951. Class 52.

Barnes Manufacturing Co., Mansfield, Ohio. Water pumps. 548,556, Sept. 25; Serial No. 568,926, published June 5, 1951. Class 23.

Barnett & Wallis, Inc., Pisgah Forest, N. C. Power driven bulb planting machines. 548,586, Sept. 25; Serial No. 576,951, published June 26, 1951. Class 23.

Barton & Guestier, Bordeaux, France. Olive oil. 287,020, renewed Sept. 8, 1951. O. G. Sept. 25. Class 46.

Bates Manufacturing Company: *See*—
Androscoggin Mills.
Bliss, Fabyan & Company.
York Manufacturing Company.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. 86,025, Apr. 9, 1912. Republished Sept. 25. Class 42.

Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. 125,958, July 22, 1919. Republished Sept. 25. Class 42.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 296,006, July 19, 1932. Republished Sept. 25. Class 42.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 340,786, Nov. 24, 1936. Republished Sept. 25. Class 42

Bates Manufacturing Company, Lewiston, Maine. Sheets and pillow cases. 382,964, Nov. 19, 1940. Republished Sept. 25. Class 42.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads and draperies. 410,273, Nov. 21, 1944. Republished Sept. 25, 1951. Class 42.

Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 417,084, Oct. 16, 1945. Republished Sept. 25. Class 42.

Bates Manufacturing Company, The, Orange, N. J. Adjustable perpetual calendar. 548,866, Sept. 25; Serial No. 574,082. Class 26.

Bausch & Lomb Optical Company, Rochester, N. Y. Glasses for viewing television screens. 548,844, Sept. 25; Serial No. 610,732, published June 19, 1951. Class 26.

Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 548,637, Sept 25; Serial No. 591,345, published June 26, 1951. Class 42.

Bear Brand Hosiery Co., Chicago, Ill. Boys' and girls' hosiery. 548,643, Sept. 25; Serial No. 589,374, published July 10, 1951. Class 39.

Behr-Manning Corporation, Troy, N. Y. Pressure-sensitive adhesive tape. 548,718, Sept. 25; Serial No. 598,629, published June 12, 1951. Class 5.

Belknap Hardware & Manufacturing Company, Louisville, Ky. Pocket knives, razors, scissors, etc. 288,805, renewed Nov. 3, 1951. O. G. Sept. 25. Class 23.

Bellemont Motor Hotels: *See*—
Lewis, Arthur C., Jr.

Bendix, Juliette, New York, N. Y. Hand make-up lotion, liquid face cream, and liquid cleansing tonic. 548,739, Sept. 25; Serial No. 601,017, published June 19, 1951. Class 51.

Benjamin's, Inc., New Rochelle, N. Y. Men's and boys' suits, topcoats, overcoats and sport coats. 548,892, Sept. 25; Serial No. 605,941. Class 39.

Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Lacquers and waterproof resinous plastic wood and metal surface sealer and finish. 548,536, Sept. 25; Serial No. 557,992, published July 3, 1951. Class 16.

Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill. Wood finishes, 548,537, Sept. 25; Serial No. 557,996, published July 3, 1951. Class 16.

Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich. Bowling alley cleaner and polish, and bowling alley lacquers, etc. 548,538, Sept. 25; Serial No. 558,000, published July 3, 1951. Class 4.

Bethlehem Steel Company, Bethlehem, Pa. Nonrusting corrosive-resisting free-machining steels. 284,576, renewed July 7, 1951. O. G. Sept. 25. Class 14.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. 283,810, renewed June 9, 1951. O. G. Sept. 25. Class 23.

Bliss Fabyan & Co Inc., assignee: *See*—
Bliss, Fabyan & Company.

Bliss, Fabyan & Company, Boston, Mass., by Bates Manufacturing Company, Lewiston, Maine. Cotton piece goods. 78,575, June 28, 1910. Republished Sept. 25. Class 42.

Bliss, Fabyan & Company, New York, N. Y., assignor to Bliss Fabyan & Co. Inc., Boston Mass., by Bates Manufacturing Company, Lewiston, Maine. Bedspreads. 236,439, Dec. 13, 1927. Republished Sept. 25. Class 42.

Blue Blaze Coal Company, Salt Lake City, Utah, to Kaiser Steel Corporation, Oakland, Calif. Coal. 284,100, renewed June 16, 1951. O. G. Sept. 25. Class 1.

Booth Radio Stations, Inc., Detroit, Mich. Radio program broadcasting services. 548,895, Sept. 25; Serial No. 597,430. Class 104.

Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. 548,539, Sept. 25; Serial No. 558,455, published July 10, 1951. Class 39.

Bostwick Laboratories, Inc., Bridgeport, Conn. Insecticide. 548,605, Sept. 25; Serial No. 582,341, published June 26, 1951. Class 6.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Worsted Mills, to Botany Mills, Inc., Passaic, N. J. Woven and knitted fabrics. 284,694, renewed July 7, 1951. O. G. Sept. 25. Class 42.

Botany Worsted Mills, to Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 284,870, renewed July 7, 1951. O. G. Sept. 25. Class 42.

Botany Worsted Mills, to Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 285,518–20, renewed July 28, 1951. O. G. Sept. 25. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woven fabrics. 326,859, Aug. 6, 1935. Republished Sept. 25, 1951. Class 42.

Bovinine Company, The, Chicago, Ill., to Wyeth Incorporated, Philadelphia, Pa. Tonic. 283,835, renewed June 9, 1951. O. G. Sept. 25. Class 18.

Bovinine Company, The, Chicago, Ill., to Wyeth Incorporated, Philadelphia, Pa. Tonic. 285,030, renewed July 14, 1951. O. G. Sept. 25. Class 18.

Bowman Gum, Inc.: *See*—
Bowman, Jacob W.

Bowman, Jacob W., doing business as By Gum Co., to Bowman Gum, Inc., Philadelphia, Pa. Chewing gum. 283,963, renewed June 9, 1951. O. G. Sept. 25. Class 46.

Boyd, William, Beverly Hills, Calif. Toy pistols. 548,821, Sept. 25; Serial No. 606,123, published July 10, 1951. Class 22.

Bradley, Smith Co., The, New Haven, Conn., to Union Standard Equipment Company, New York, N. Y. Candy. 287,879, renewed Oct. 13, 1951. O. G. Sept. 25. Class 46.

Brenda Fabrics, Inc., New York, N. Y. Cotton, rayon and woolen piece goods and textile fabrics. 548,511, Sept. 25; Serial No. 540,373, published July 3, 1951. Class 42.

Brown Rubber Company, Inc., La Fayette, Ind. Sponge rubber. 548,551, Sept. 25; Serial No. 565,509, published June 12, 1951. Class 1.

Bruce, E. L., Company, Memphis, Tenn. Hardwood flooring. 548,700, Sept. 25; Serial No. 596,012, published May 29, 1951. Class 12.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. 548,845, Sept. 25; Serial No. 610,826, published July 10, 1951. Class 22.

Buckeye Cotton Oil Company, The, Cincinnati, Ohio. Livestock feeds. 548,647, Sept. 26; Serial No. 589,820, published July 10, 1951. Class 46.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 548,675, Sept. 25; Serial No. 594,019, published July 3, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 548,735, Sept. 25; Serial No. 600,532, published July 3, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 548,740, Sept. 25; Serial No. 601,019, published July 3, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 548,739, Sept. 25; Serial No. 602,361, published June 26, 1951. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 548,827, Sept. 25; Serial No. 606,695, published June 26, 1951. Class 42.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics. 548,828, Sept. 25; Serial No. 606,697, published June 26, 1951. Class 42.

Butler Paper Corporation, Chicago, Ill. Bond paper. 548,512, Sept. 25; Serial No. 540,516, published June 5, 1951. Class 37.

By Gum Co.: *See*—
Bowman, Jacob W.

Campana Corporation: *See*—
Campana Sales Company.

Campana Sales Company, doing business as Old South Perfumers, to Campana Corporation, Batavia, Ill. Colognes, perfumes, perfumed body dusting powders, talcum powders, etc. 525,455, May 23, 1950. New certificate. O. G. Sept. 25. Class 51.

Carin Company, The: *See*—
Wilhelm, Werner F.

Carney, Lionel A., New York, N. Y. Millinery. 548,598, Sept. 25; Serial No. 579,479, published June 5, 1951. Class 39.

Caulk, L. D., Company, The, Milford, Del. Methyl methacrylate monomer and methyl methacrylate polymer. 548,765, Sept. 25; Serial No. 602, 822, published July 10, 1951. Class 6.

Celanese Corporation of America, New York, N. Y. Fabrics. 289,539–40, renewed Dec. 1, 1951. O. G. Sept. 25. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 289,566, renewed Dec. 1, 1951. O. G. Sept. 25. Class 42.

Celanese Corporation of America, New York, N. Y. Fabrics. 289,664–6, renewed Dec. 1, 1951. O. G. Sept. 25. Class 42.

Central Ohio Breeding Association, Columbus, Ohio. Cattle semen. 548,690, Sept. 25; Serial No. 594,885, published June 19, 1951. Class 1.

Cesco Container Company, New York, N. Y. Metal and wooden crates and cases, etc. 548,800, Sept. 25; Serial No. 604,686, published July 3, 1951. Class 2.

Cha-Cha Town, Fort Lauderdale, Fla. Women's and girls' dresses, skirts, shorts, etc. 548,679, Sept. 25; Serial No. 594,358, published June 5, 1951. Class 39.

Challenge Cream & Butter Association, Los Angeles, Calif. Oleomargarine. 548,636, Sept. 25; Serial No. 588,079, published July 3, 1951. Class 46.

Chartreuse Corporation: *See*—
Congregation of the Chartreux.

Chase Bag Company, Chicago, Ill. Paper bags. 548,784, Sept. 25; Serial No. 603,727, published June 26, 1951. Class 2.

Chase Protected Cultivation Limited, Chertsey and Shepperton, England. Compost activator. 548,779, Sept. 25; Serial No. 603,518, published July 10, 1951. Class 10.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly. 286,262, renewed Aug. 25, 1951. O. G. Sept. 25. Class 18.

Chicago Bridge & Iron Company, Chicago, Ill. Liquid storage tanks. 548,808, Sept. 25; Serial No. 604,839, published July 3, 1951. Class 2.

Chicon, John V., Ambridge, Pa. Salve. 548,662, Sept. 25; Serial No. 592,193, published June 12, 1951. Class 18.

Childhood Interests, Inc., Roselle Park, N. J. Educational kindergarten toy. 548,833, Sept. 25; Serial No. 608,102, published July 10, 1951. Class 22.

Ciba Limited: *See*—
Society of Chemical Industry in Basle.

Ciba Limited, Basel, Switzerland. Coal-tar colors. 548,804, Sept. 25; Serial No. 604,767, published July 10, 1951. Class 6.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Adrenolytic and sympatholytic agent. 548,793, Sept. 25; Serial No. 604,295, published June 12, 1951. Class 18.

Cimino Bros., Inc., New Haven, Conn. Corn oil and peanut oil, blended with olive oil. 548,766, Sept. 25; Serial No. 603,049, published June 19, 1951. Class 46.

Civic Company, Limited, The: *See*—
Imperial Tobacco Company (of Great Britain and Ireland), Limited, The.

Clark, Rex B., Norco, Calif. Canned fruit. 288,142, renewed Oct. 20, 1951. O. G. Sept. 25. Class 46.

Clay Chemical Company, Inc., Pittsburgh, Pa. Medical preparation. 548,868, Sept. 25; Serial No. 576,038. Class 18.

Cleanser Products, Inc., Chicago, Ill. Cleansing pads. 548,542, Sept. 25; Serial No. 560,684, published June 20, 1950. Class 4.

Clearwater Finishing Company, Clearwater, S. C. Piece goods. 548,584, Sept. 25; Serial No. 576,849, published July 3, 1951. Class 42.

Cleveland Gypsum Company, The, Cleveland, Ohio. Light weight insulating plaster. 548,549, Sept. 25; Serial No. 564,435, published May 29, 1951. Class 12.

Clopay Corporation: *See*—
Seinsheimer Paper Co., The.

Cluett, Peabody & Co. Inc., Troy, N. Y. Collars and negligee and dress shirts. 548,770, Sept. 25; Serial No. 603,287, published June 5, 1951. Class 39.

Clyde's Fruit and Produce Co., Denver, Colo. Fresh tomatoes. 444,571, Sept. 25; Serial No. 523,374, published Mar. 29, 1949. Class 46.

Coates Mfg. Co., Loma Linda, Calif. Motor driven garden tractors. 548,857, Sept. 25; Serial No. 554,099. Class 23.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Hand lotion. 548,787, Sept. 25; Serial No. 603,768, published June 26, 1951. Class 51.

College Inn Food Products Company, Chicago, Ill. Canned cream of pea soup; canned consomme madrilene; etc. 548,575, Sept. 25; Serial No. 573,920, published July 3, 1951. Class 46.

Colonial Chemical Co. Inc., Seattle, Wash. Shampoo. 548,582, Sept. 25; Serial No. 576,042, published June 12, 1951. Class 52.

Colonial Tanning Company, Inc., Boston, Mass. Leathers. 548,762, Sept. 25; Serial No. 602,748, published June 12, 1951. Class 1.

Colorado Milling & Elevator Co., The, Denver, Colo., doing business as The Springfield Flour Mills, Springfield, Mo. Wheat flour. 548,527, Sept. 25; Serial No. 551,235, published May 1, 1951. Class 46.

Columbia Mills, Inc., The: *See*—
Hees, Macfarlane & Co.

Columbia Protektosite Co. Inc., assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J. Sun glasses, goggles, and eye-glass frames. 548,860, Sept. 25; Serial No. 557,904. Class 26.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Tray and clamp combination for use in providing dental fillings. 548,628, Sept. 25; Serial No. 586,623, published June 26, 1951. Class 44.

Congregation of the Chartreux, Tarragone, Spain, to Chartreuse Corporation, New York, N. Y. Cordial or liqueur. 83,988, re-renewed Oct. 31, 1951. O. G. Sept. 25. Class 49.

Conley, M., Company, The, Canton, Ohio. Men's and boys' wearing apparel. 548,720, Sept. 25; Serial No. 599,155, published June 5, 1951. Class 39.

Consolidated Ashcroft Hancock Company, to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Instruments for recording a graphical record of water level and temperature changes. 289,412, renewed Nov. 24, 1951. O. G. Sept. 25. Class 26.

Consolidated Millinery Company, Chicago, Ill. Ladies' and children's hats. 548,712, Sept. 25; Serial No. 597,874, published June 5, 1951. Class 39.

Cooper, Frank B., doing business as Frank Cooper Rug Manufacturing Company, Scranton, Pa. Textile rugs. 548,701, Sept. 25; Serial No. 596,015, published July 3, 1951. Class 42.

Cooper, Frank, Rug Manufacturing Company: *See*—
Cooper, Frank B.

Cooper, Leo M., doing business as Leo M. Cooper Co, to White Swan Uniforms, Inc., New York, N. Y. Nurses' uniforms, uniform dresses, house dresses, etc. 289,092, renewed Nov. 17, 1951. O. G. Sept. 25. Class 39.

Cooper, Leo M., Co.: *See*—
Cooper, Leo M.

Corona Citrus Association, Corona, Calif. Fresh citrus fruits. 548,508, Sept. 25; Serial No. 537,569, published July 3, 1951. Class 46.

Corry-Jamestown Manufacturing Corp., Corry, Pa. Metal window sash, metal window frames, metal window casements, etc. 548,710, Sept. 25; Serial No. 598,244, published June 26, 1951. Class 12.

Cotta Transmission Company: *See*—
Cotta Transmission Corporation.

Cotta Transmission Corporation, to Cotta Transmission Company, Rockford, Ill. Coal-burning stokers and parts therefor. 283,901–2, renewed June 9, 1951. O. G. Sept. 25. Class 34.

Courtley, Ltd., assignor to Richard Hudnut, New York, N. Y. "Bubble bath" preparation. 548,630, Sept. 25; Serial No. 586,961, published June 26, 1951. Class 51.

Cox, J. & G., Limited, Edinburgh, Scotland. Glues. 82,423, re-renewed June 27, 1951. O. G. Sept. 25. Class 6.

Craco Products Co.: *See*—
Crawford, Harvey B.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. 548,705, Sept. 25; Serial No. 596,560, published May 29, 1951. Class 12.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. 548,706, Sept. 25; Serial No. 596,562, published May 29, 1951. Class 12.

Crawford, Harvey B., doing business as Craco Products Co., La Canada, Calif. Hose reels. 548,671, Sept. 25; Serial No. 593,471, published June 26, 1951. Class 2.

Cressida, Inc., Philadelphia, Pa. Women's and misses' hosiery. 548,749, Sept. 25; Serial No. 601,821, published June 26, 1951. Class 39.

Dandon Sales, Inc., New York, N. Y. Swim and shower caps. 444,570, Sept. 25; Serial No. 521,114, published June 5, 1951. Class 39.

Danel Products Company: *See*—
Perillo, Lillian C.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Daumit, Kay, Inc., Chicago, Ill. Toilet soap. 548,619, Sept. 25; Serial No. 585,157, published June 12, 1951. Class 52.

Daumit, Kay, Inc., Jersey City, N. J. Personal deodorant. 548,715, Sept. 25; Serial No. 597,947, published June 26, 1951. Class 51.

Davey Compressor Company, Kent, Ohio. Portable and stationary air and fluid compressors. 548,503, Sept. 25; Serial No. 530,067, published June 5, 1951. Class 23.

Day & Young, Santa Clara, Calif. Gift package consisting of fresh pears, plums, peaches, etc. 548,576, Sept. 25; Serial No. 573,928, published June 19, 1951. Class 46.

Deering, Milliken & Company, Inc., New York, N. Y. Fabrics in the piece. 548,641, Sept. 25; Serial No. 588,942, published June 26, 1951. Class 42.

De Laval Sales and Service, Inc., Poughkeepsie, N. Y. Detergent. 548,635, Sept. 25; Serial No. 588,008, published June 12, 1951. Class 52.

De Rosa, Michele, New York, to M. De Rosa, Bronx, N. Y. Canned tomatoes. 286,431, renewed Aug. 25, 1951. O. G. Sept. 25. Class 46.

Desprez, Jean, Paris, France. Perfumes and toilet waters, rouge, face powder, and lipstick. 548,781, Sept. 25; Serial No. 603,378, published June 19, 1951. Class 51.

Dex Trimmer: *See*—
Johnson, Leroy B.

Di Giorgio Fruit Corporation, San Francisco, Calif. Canned fruit juices, fresh deciduous fruits, etc. 548,629, Sept. 25; Serial No. 586,737, published June 5, 1951. Class 46.

Dodge & Olcott, Inc., New York, N. Y. Chemical compositions. 548,688, Sept. 25; Serial No. 594,628, published July 10, 1951. Class 6.

Dow Corning Corporation, Midland, Mich. Products for rendering fabrics water repellent. 548,699, Sept. 25; Serial No. 595,947, published July 10, 1951. Class 6.

Drew, E. F., & Co., Inc., New York, N. Y. Liquid mixture of organic compounds. 548,564, Sept. 25; Serial No. 570,928, published June 12, 1951. Class 52.

Drueding Brothers Company, Philadelphia, Pa. Sweat bands. 289,378, renewed Nov. 24, 1951. O. G. Sept. 25. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Du Pont Pathé Film Manufacturing Corporation.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. 548,760, Sept. 25; Serial No. 602,501, published July 10, 1951. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Mixtures of odorous essential oils and aromatic chemicals. 548,775, Sept. 25; Serial No. 603,441, published July 10, 1951. Class 6.

Du Pont Pathé Film Manufacturing Corporation, New York, N. Y., by E. I. du Pont de Nemours and Company, Wilmington, Del. Photographic film. 286,783, Sept. 1, 1931. Republished Sept. 25. Class 26.

Dura-Clip Co., The, Louisville, Ky. Paper file clips. 548,742, Sept. 25; Serial No. 601,099, published May 29, 1951. Class 37.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Writing and drawing pencils, steel pens, etc. 83,822, re-renewed Oct. 17, 1951. O. G. Sept. 25. Class 37.

Eagle Pencil Company, New York, N. Y. Lead pencils. 287,472, renewed Sept. 29, 1951. O. G. Sept. 25. Class 37.

Eastern Air Lines, Inc., New York, N. Y. Air transportation of persons, property and mail. 548,850, Sept. 25; Serial No. 546,376, published May 2, 1950. Class 105.

Ehrhart-Conrad Company, Hanover, Pa. Canned vegetables, citrus fruit juices, vegetable juices, etc. 548,497, Sept. 25; Serial No. 521,003, published July 10, 1951. Class 46.

Ehrhart-Conrad Company, Hanover, Pa. Canned vegetables, citrus fruit juices, vegetable juices, etc. 548,569, Sept. 25; Serial No. 572,843, published July 3, 1951. Class 46.

Electronic Instrument Company: *See*—
Electronic Instrument, Inc., The.

Electronic Instrument, Inc., The, doing business as Electronic Instrument Company, Tiffin, Ohio. Electrical instrument for imparting rays to the human body. 548,597, Sept. 25; Serial No. 579,312, published June 26, 1951. Class 44.

Elgin National Watch Company, Elgin and Chicago, to Elgin National Watch Company, Elgin, Ill. Mainsprings for watches. 82,140, re-renewed June 6, 1951. O. G. Sept. 25. Class 27.

Elliot, Greene & Co. Inc., New York, N. Y. Beads. 548,734, Sept. 25; Serial No. 600,474, published July 3, 1951. Class 40.

Elliott Paint & Varnish Company, Chicago, Ill. Liquid paints, liquid quick-drying paint-enamels, and varnishes. 548,498, Sept. 25; Serial No. 522,194, published June 12, 1951. Class 16.

Elliott Paint & Varnish Company, Chicago, Ill. Liquid paints. 548,502, Sept. 25; Serial No. 529,241, published July 10, 1951. Class 16.

Ely & Walker Dry Goods Company, St. Louis, Mo. Men's and boys' dress, sport, and work shirts. 548,672, Sept. 25; Serial No. 593,534, published May 8, 1951. Class 39.

Emery Food Company, Chicago, Ill. Canned sausage. 289,201, renewed Nov. 24, 1951. O. G. Sept. 25. Class 46.

Engard Brothers, Hazleton, Pa. Belt applying tool. 548,896, Sept. 25; Serial No. 579,587. Class 23.

Eno-Scott & Bowne: *See*—
Scott & Bowne.

Enterprise Paint Manufacturing Company, Chicago, Ill. Varnishes and lacquers. 548,519, Sept. 25; Serial No. 546,288, published June 19, 1951. Class 16.

Ercona Camera Corporation, New York, N. Y. Cameras. 548,823, Sept. 25; Serial No. 606,421, published May 29, 1951. Class 26.

Ethicon Suture Laboratories Incorporated, New Brunswick, N. J. Sutures and ligatures. 548,750, Sept. 25; Serial No. 601,985, published June 19, 1951. Class 44.

Ettinger, S. M., Company, Chicago, Ill. Shower and window curtains. 548,665, Sept. 25; Serial No. 592,988, published July 3, 1951. Class 42.

Fairchild Camera and Instrument Corporation, Jamaica, N. Y. Chest respirators, cuirasses and air pumps for chest respirators, etc. 548,695, Sept. 25; Serial No. 595,659, published July 3, 1951. Class 44.

Falcone, Anthony, Newark, N. J. Inhaler. 548,729, Sept. 25; Serial No. 599,935, published June 26, 1951. Class 44.

Farmers Feed Company: *See*—
Maritime Milling Co. Inc.

Farrington Manufacturing Company, Boston, Mass. Decorative or ornamental metal cases and boxes. 548,594, Sept. 25; Serial No. 578,875, published June 19, 1951. Class 2.

Fashion, The: *See*—
Wolfman, Ben, Inc.

Ferro Chemical Corporation, Bedford, Ohio. Surface active chemicals. 548,652, Sept. 25; Serial No. 591,078, published July 10, 1951. Class 6.

Ferro Engineering Company, The, Cleveland, Ohio. Hot top casings. 288,791, renewed Nov. 3, 1951. O. G. Sept. 25. Class 23.

Field, A. H. T., & Co. Ltd., Vancouver, British Columbia, Canada. Chemical compound. 548,788, Sept. 25; Serial No. 603,841, published July 10, 1951. Class 6.

Fine Colors Company, Paterson, N. J. Lakes and dry colors. 548,736, Sept. 25; Serial No. 600,655, published June 12, 1951. Class 16.

Fink Bros.: *See*—
Fink, Samuel.

Fink, Samuel, doing business as Fink Bros., Utica, N. Y. Ladies' hosiery. 548,514, Sept. 25; Serial No. 543,157, published July 10, 1951. Class 39.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 548,681, Sept. 25; Serial No. 594,445, published June 19, 1951. Class 52.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 548,682, Sept. 25; Serial No. 594,447, published June 19, 1951. Class 52.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Synthetic and natural aromatic chemicals and essential oils. 548,683, Sept. 25; Serial No. 594,449, published June 19, 1951. Class 52.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. 548,767, Sept. 25; Serial No. 603,053, published July 10, 1951. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Flexible Steel Lacing Company, Chicago, Ill. Hand assembly tool. 548,867, Sept. 25; Serial No. 575,980. Class 23.

Flo-Ball Pen Corporation, New York, N. Y. Fountain pens. 548,886, Sept. 25; Serial No. 594,767. Class 37.

Floor Rite Company, The: *See*—
Ruddick, Henry.

Florence Stove Company, Gardner, Mass. Electric cooker. 286,199, renewed Aug. 18, 1951. O. G. Sept. 25. Class 21.

Foote Mineral Company, Philadelphia, Pa. Manganese oxide. 548,764, Sept. 25; Serial No. 602,837, published July 10, 1951. Class 6.

Forsbacka Jernverks Aktiebolag: *See*—
Milne, A., & Co.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 548,825, Sept. 25; Serial No. 606,603, published June 26, 1951. Class 42.

Frank's Market Garden: *See*—
Kouril, Frank, Jr.

Frechtmann, Jean, Paris, France. Picture puzzle. 548,882, Sept. 25; Serial No. 589,254. Class 22.

Frederick Post Company, The, Chicago, Ill. White, black and colored drawing inks, blue print writing fluid, and block out ink. 548,829, Sept. 25; Serial No. 607,495, published July 10, 1951. Class 11.

French Sardine Company of California, The, Terminal Island, Calif. Canned cat food. 548,761, Sept. 25; Serial No. 602,551, published June 5, 1951. Class 46.

Friesche Coöperatieve Zuivel-Export-Vereeniging, Short Frico, Leeuwarden, Netherlands. Butter, cheese, milk-powder, etc. 548,612, Sept. 25; Serial No. 583,993, published June 5, 1951. Class 46.

Frost, George, Company, Boston, to George Frost Company, Shirley, Mass. Suspenders and braces. 288,677, renewed Nov. 3, 1951. O. G. Sept. 25. Class 39.

Fyr-Fyter Company, The, Dayton, Ohio. Automatic mechanically operated fire alarm. 548,669, Sept. 25; Serial No. 593,406, published June 5, 1951. Class 23.

Galatex Co. Inc., New York, N. Y. Hosiery. 548,649, Sept. 25; Serial No. 590,433, published June 26, 1951. Class 39.

Gallaher Limited, Belfast, Northern Ireland. Smoking and chewing tobacco, cigarettes, etc. 282,696, renewed Apr. 28, 1951. O. G. Sept. 25. Class 17.

Gallia Laboratories, Inc., New York, N. Y. Medical preparation. 548,746, Sept. 25; Serial No. 601,542, published June 12, 1951. Class 18.

Gamble-Skogmo, Inc., Minneapolis, Minn. Anti-freeze solution. 548,768, Sept. 25; Serial No. 603,058, published July 10, 1951. Class 6.

Gant, Andrew M., Nashville, Tenn. Prefabricated dog-houses. 548,710, Sept. 25; Serial No. 597,604, published May 29, 1951. Class 12.

Gardner, Robert E., Churchville, N. Y. Card table covers. 548,824, Sept. 25; Serial No. 606,525, published July 3, 1951. Class 42.

Gem-Dandy, Inc., Madison, N. C. Brassières. 548,805, Sept. 25; Serial No. 604,776, published July 3, 1951. Class 39.

General Bronze Corporation, Garden City, N. Y. Metal windows, window frames, window screens, etc. 548,559, Sept. 25; Serial No. 569,182, published June 26, 1951. Class 12.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 548,580, Sept. 25; Serial No. 575,703, published July 3, 1951. Class 6.

General Shoe Corporation: *See*—
Orr, J. K., Shoe Company.

Georgia Marble Company, The, Tate, Ga. Powdered calcium. 548,780, Sept. 25; Serial No. 603,525, published July 10, 1951. Class 6.

Gerber Products Company: *See*—
Nielsen Packing Company.

Gladding, B. F., & Co., Inc., South Otselic, N. Y. Fishing lines. 548,826, Sept. 25; Serial No. 606,606, published July 10, 1951. Class 22.

Glasco Limited, Inc., Philadelphia, Pa. Sweaters. 548,670, Sept. 25; Serial No. 594,040, published June 26, 1951. Class 39.

Glen Raven Knitting Mills, Inc., Glen Raven, N. C. Women's hosiery. 548,743, Sept. 25; Serial No. 601,322, published July 3, 1951. Class 39.

Glesby, David, doing business as Pacific Feed Sales Co., Van Nuys, Calif. Poultry and livestock feed. 548,875, Sept. 25; Serial No. 585,095. Class 46.

Globe American Corporation, Kokomo, Ind. Brooders. 288,564, renewed Nov. 3, 1951. O. G. Sept. 25. Class 50.

Globe Mills, Inc.: *See*—
Lone Star Elevators.

Gloversville Knitting Company, Gloversville, N. Y. Lining fabrics. 548,747, Sept. 25; Serial No. 601,614, published July 3, 1951. Class 42.

Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. 548,524, Sept. 25; Serial No. 549,729, published June 26, 1951. Class 42.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Candy. 289,058, renewed Nov. 17, 1951. O. G. Sept. 25. Class 46.

Grocers Baking Company, Inc., Louisville, Ky. Bread. 548,496, Sept. 25; Serial No. 520,700, published Nov. 29, 1949. Class 46.

Grocery Store Products Co., New York, N. Y. Alimentary paste products. 548,640, Sept. 25; Serial No. 588,577, published July 10, 1951. Class 46.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Co.

Grumme & Son, to Aktiebolaget Grumme & Son, Stockholm, Sweden. Mouth-wash. 82,147, re-renewed June 6, 1951. O. G. Sept. 25. Class 51.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 548,795–6, Sept. 25; Serial Nos. 604,529–30, published July 3, 1951. Class 2.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 548,806, Sept. 25; Serial No. 604,779, published July 3, 1951. Class 2.

Gurney Security Paper Company, Inc., Brooklyn, N. Y. Safety paper. 548,572, Sept. 25; Serial No. 573,765, published Apr. 24, 1951. Class 37.

Hall, Clifford T., New York, N. Y. Hats and caps. 548,696, Sept. 25; Serial No. 595,662, published June 5, 1951. Class 39.

Hancock & Hancock, Hillsville, Va. Liquid veterinary preparation. 548,687, Sept. 25; Serial No. 594,540, published June 19, 1951. Class 18.

Handy Twine Knife Company, Upper Sandusky, Ohio. Finger twine knife and bench twine cutter. 548,550, Sept. 25; Serial No. 564,621, published May 22, 1951. Class 23.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear, and children's sleepers. 548,854, Sept. 25; Serial No. 531,470. Class 39.

Hanline Bros., Baltimore, Md. Road marking paint. 548,531, Sept. 25; Serial No. 554,974, published July 10, 1951. Class 16.

Hardesty, W. C., Company, Inc., New York, N. Y. Fatty acids. 548,765, Sept. 25; Serial No. 602,943, published July 10, 1951. Class 6.

Harry and David: *See*—
Knight Packing Company.

Harry and David, Medford, Oreg. Fresh fruits. 435,635, Jan. 6, 1948. Republished Sept. 25. Class 46.

Hart and Burns, Incorporated, Riverside, Calif. Prepared, ready-mixed, oil paints, varnishes, paint enamels, etc. 548,852, Sept. 25; Serial No. 517,574. Class 16.

Hartford Rayon Corporation, The, Rocky Hill, Conn. Inflated rayon yarn. 548,744, Sept. 25; Serial No. 601,435, published July 3, 1951. Class 43.

Haskelite Manufacturing Corporation, Grand Rapids, Mich. Construction materials. 548,722, Sept. 25; Serial No. 599,373, published May 29, 1951. Class 12.

Hat Corporation of America, Norwalk, Conn. Hats. 548,790, Sept. 25; Serial No. 603,924, published June 12, 1951. Class 39.

Hees, Macfarlane & Co., Detroit, Mich., to The Columbia Mills, Inc., Syracuse, N. Y. Window-shades. 36,551, re-renewed June 11, 1951. O. G. Sept. 25. Class 32.

Hess, Dr., & Clark, Inc., Ashland, Ohio. Rodenticide. 548,785, Sept. 25; Serial No. 603,737, published July 10, 1951. Class 6.

High Production Machine Company, Inc., Philadelphia, Pa. Machines for automatically feeding blanks to paper box machines. 548,646, Sept. 25; Serial No. 589,785, published June 5, 1951. Class 23.

Hillerich & Bradsby Co., Louisville, Ky. Baseball bats. 289,361–3, renewed Nov. 24, 1951. O. G. Sept. 25. Class 22.

Hilltop Laboratories: *See*—
Moore, Fred H.

Hirsch Fabrics Corporation, New York, N. Y. All cotton fabrics. 548,631, Sept. 25; Serial No. 587,030, published June 26, 1951. Class 42.

Hoffmann-La Roche, Inc., Nutley, by Organon, Inc., Orange, N. J. Individual containers made of gelatine or other suitable material containing individually measured doses of medicinal hormone preparations. 370,611, Aug. 29, 1939. Republished Sept. 25. Class 18.

Holeproof Hosiery Company: *See*—
Luxite Silk Products Co.

Holeproof Hosiery Co., Milwaukee, Wis. Women's hosiery. 548,616, Sept. 25; Serial No. 584,452, published June 26, 1951. Class 39.

Hollingshead, R. M., Corporation, Camden, N. J. Polish and polishing preparations. 548,624, Sept. 25; Serial No. 586,281, published June 26, 1951. Class 4.

Hooper, William E., & Sons Company, Philadelphia, Pa. Laundry nets. 548,506, Sept. 25; Serial No. 536,604, published June 19, 1951. Class 2.

Hortex Manufacturing Co. Inc., El Paso, Tex. Boys' slacks, overalls, overall union suits, etc. 548,707, Sept. 25; Serial No. 596,921, published May 22, 1951. Class 39.

House of Tre-Jur, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 548,654, Sept. 25; Serial No. 591,166, published June 19, 1951. Class 51.

Howard Products Co., Boise, Idaho, assignee of Howard Products Company. Child's photographic kit. 548,874, Sept. 25; Serial No. 585,024. Class 26.

Howard Products Company: *See*—
Howard Products Co.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Carbon black. 548,668, Sept. 25; Serial No. 593,353, published July 10, 1951. Class 6.

Huber, J. M., Corporation, Red Bank, N. J., and New York, N. Y. Printing inks. 548,776, Sept. 25; Serial No. 603,450, published July 10, 1951. Class 11.

Hudnut, Richard: *See*—
Courtley, Ltd.

Hudnut, Richard, New York, N. Y. Hair rinse, lotion for removing loose dandruff, hair dressing lotion, etc. 548,660, Sept. 25; Serial No. 592,033, published June 19, 1951. Class 51.

Hudson's Eumenthol Chemical Company Pty. Limited, Sydney and Glebe, near Sydney, Australia. Medicated lozenges. 548,583, Sept. 25; Serial No. 576,329, published June 19, 1951. Class 18.

Hutt & Wasserman, Inc., New York, N. Y. Men's hats. 548,555, Sept. 25; Serial No. 568,506, published June 5, 1951. Class 39.

Hyman, S. E., Company, The, Fremont, Ohio. Tailored seat covers. 311,489, Mar. 27, 1934. Republished Sept. 25. Class 32.

Illinois Watch Case Co., to Illinois Watch Case Co., Elgin, Ill. Watchcases and watch-movements. 82,235–6, re-renewed June 13, 1951. O. G. Sept. 25. Class 27.

Illinois Watch Case Co., to Illinois Watch Case Co., Elgin, Ill. Watchcases and watch-movements. 82,890, re-renewed Aug. 1, 1951. O. G. Sept. 25. Class 27.

Illinois Watch Case Co., to Illinois Watch Case Co., Elgin, Ill. Watchcases and watch-movements. 83,256, re-renewed Aug. 29, 1951. O. G. Sept. 25. Class 27.

Imperial Tobacco Company (of Great Britain and Ireland), Limited, The, Bristol, by The Civic Company, Limited, London, England. Tobacco-pipes, cigar and cigarette holders. 82,443, June 27, 1911. Republished Sept. 25. Class 8.

Indianapolis Glove Company, Indianapolis, Ind., now by change of name Indianapolis Glove Company, Inc. Leather faced fabric workmen's gloves. 548,528, Sept. 25; Serial No. 554,119, published Jan. 2, 1951. Class 39.

Indianapolis Glove Company, Inc.: *See*—
Indianapolis Glove Company.

Inland Fertilizer Co., Los Angeles, Calif. Animal and chemical fertilizers. 548,773, Sept. 25; Serial No. 603,329, published July 10, 1951. Class 10.

International Minerals & Chemical Corporation, Chicago, Ill. Potassium chloride. 548,595, Sept. 25; Serial No. 578,977, published July 10, 1951. Class 6.

International Umbrella Supply Corporation, Inc., New York, N. Y. Umbrellas. 548,689, Sept. 25; Serial No. 594,644, published July 3, 1951. Class 41.

Jaffe, Esther, doing business as Sew E-Z Novelty Shop, Brooklyn, N. Y. Finger moistener to be used as a sewing aid. 548,561, Sept. 25; Serial No. 569,853, published July 3, 1951. Class 40.

Jefferson Island Salt Company, Louisville, Ky. Table salt. 548,876, Sept. 25; Serial No. 586,088. Class 46.

Jet Knitting Mills, Inc., Brooklyn, N. Y. Hair nets, neckerchiefs, and cummerbunds. 548,730, Sept. 25; Serial No. 599,951, published July 3, 1951. Class 39.

Jianas Bros. Candy Co., Kansas City, Mo. Candy. 548,507, Sept. 25; Serial No. 536,904, published May 29, 1951. Class 46.

Johns-Manville Corporation, New York, N. Y. Laminated panels. 548,670, Sept. 25; Serial No. 593,415, published May 22, 1951. Class 12.

Johns-Manville Corporation, New York, N. Y. Insulating tapes. 548,684, Sept. 25; Serial No. 594,469, published May 22, 1951. Class 12.

Johns-Manville Corporation, New York, N. Y. Insulating jackets or wraps. 548,685, Sept. 25; Serial No. 594,470, published May 22, 1951. Class 12.

Johns-Manville Corporation, New York, N. Y. Asphalt shingles. 548,686, Sept. 25; Serial No. 594,471, published May 22, 1951. Class 12.

Johnson-Carper Furniture Company, Incorporated, Roanoke, Va. Furniture. 548,862, Sept. 25; Serial No. 562,861. Class 32.

Johnson, Leroy B., doing business as Dex Trimmer, Los Altos, Calif. Trimming boards. 548,820, Sept. 25; Serial No. 605,956, published June 26, 1951. Class 23.

Jones, Ralph N., Russellville, Ark. Rigid composition awnings, canopies, and hoods. 548,544, Sept. 25; Serial No. 561,019, published May 29, 1951. Class 12.

Joy, Oliver T., doing business as Notifier Manufacturing Company, Lincoln, Nebr. Electrical fire and burglarly alarm systems. 548,883, Sept. 25; Serial No. 589,449. Class 21.

Juice Bar Corp., to Juice Bar Corp., New York, N. Y., and Matawan, N. J. Coin-operated machines. 545,469, July 24, 1951. New certificate. O. G. Sept. 25. Class 23.

Junice Laboratories: *See*—
Junice, William.

Junice, William, doing business as Junice Laboratories, Clifton, N. J. All-purpose cleanser. 548,566, Sept. 25; Serial No. 571,865, published June 26, 1951. Class 52.

Juvenile Shoe Corporation of America, The, Aurora, Mo. Boots and shoes. 285,408, renewed July 28, 1951. O. G. Sept. 25. Class 39.

Kaiser Steel Corporation: *See*—
Blue Blaze Coal Company.
Oliver Coal Company, The.

Kanner, Joseph, Hat Co., Inc., South Norwalk, Conn. Men's hats. 548,494, Sept. 25; Serial No. 515,430, published July 10, 1951. Class 39.

Kats, Joseph A., Company, New York, N. Y. Ladies' hosiery. 548,500, Sept. 25; Serial No. 526,242, published July 3, 1951. Class 39.

Kaufmann Department Stores: *See*—
May Department Stores Company, The.

Kay Color Company, Inc.: *See*—
Kocher, Erwin R.

Kay Preparations Co., Inc., New York, N. Y. Skin lotion. 370,434, Aug. 29, 1939. Republished Sept. 25. Class 51.

Kedrovich, Vladimir K., doing business as Old Dutch Mustard Company, New York, to Old Dutch Mustard Co., Inc., Brooklyn, N. Y. Mustard. 288,372, renewed Oct. 27, 1951. O. G. Sept. 25. Class 46.

Klassen, Harry P., El Monte, Calif. Additive for fuels or oils. 548,725, Sept. 25; Serial No. 599,638, published June 19, 1951. Class 15.

Knight Packing Company, Portland, by Harry and David, Medford, Oreg. Bottled cherries, onions, mustard, etc. 388,209, June 17, 1941. Republished Sept. 25. Class 46.

Kocher, Erwin R., to Kay Color Company, Inc., Los Angeles, Calif. Water and oil colors for artists. 296,871, Aug. 23, 1932. New certificate. O. G. Sept. 25. Class 16.

Kouril, Frank, Jr., doing business as Frank's Market Garden, Springfield, Mass. Insecticides. 548,802, Sept. 25; Serial No. 604,725, published July 10, 1951. Class 6.

Kramer, Georg, Basel, Switzerland. Non-electric hair curling devices, bobby pins, hair combs, etc. 548,879, Sept. 25; Serial No. 588,176. Class 40.

Kresge-Newark, Inc., Newark, N. J. Sheets, pillow cases, blankets, etc. 548,677, Sept. 25; Serial No. 594,177, published July 3, 1951. Class 42.

Kurtz Metal Awning Company: *See*—
Kurtz, Roy F.

Kurtz, Roy F., doing business as Kurtz Metal Awning Company, Greensburg, Pa. Metal awnings. 548,602, Sept. 25; Serial No. 581,426, published June 26, 1951. Class 12.

Lamanuzzi and Pantaleo, Fresno, Calif. Fresh grapes and fresh deciduous fruits. 548,809, Sept. 25; Serial No. 604,851, published July 3, 1951. Class 46.

Lamm Brothers, Inc., Baltimore, Md. Men's and boys' suits, men's, women's, and boys' topcoats, overcoats, etc. 548,562, Sept. 25; Serial No. 570,056, published June 5, 1951. Class 39.

Law Somner Pty. Ltd., Melbourne, Victoria, Australia. Seeds. 548,659, Sept. 25; Serial No. 591,853, published June 26, 1951. Class 1.

Lee Pharmacal Co., Beverly Hills, Calif. Home cold wave kit. 548,814, Sept. 25; Serial No. 605,313, published June 12, 1951. Class 44.

Lee Rubber and Tire Corporation, Conshohocken, Pa. Pneumatic tires. 548,811, Sept. 25; Serial No. 605,041, published July 10, 1951. Class 35.

Leeman, Stephen, Products Company, West Nyack, N. Y. Tea, ginger, grape preserves, etc. 548,529, Sept. 25; Serial No. 554,235, published June 5, 1951. Class 46.

Lees Manufacturing Co., Cannon Falls, Minn. Women's panties. 548,877, Sept. 25; Serial No. 587,957. Class 39.

Lees Manufacturing Co., Cannon Falls, Minn. Children's panties, vests, and slips. 548,878, Sept. 25; Serial No. 587,958. Class 39.

Leff, Abe J., Chicago, Ill. Hosiery. 328,619, Oct. 1, 1935. Republished Sept. 25. Class 39.

Leon, Rafael, Lambertville, N. J. Finger nail covers. 548,680, Sept. 25; Serial No. 594,387, published June 26, 1951. Class 44.

Lewis, Arthur C., Jr., doing business as Bellemont Motor Hotels, Baton Rouge, La. Motor hotel services. 548,849, Sept. 25; Serial No. 581,429, published July 3, 1951. Class 100.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 548,745, Sept. 25; Serial No. 601,447, published June 12, 1951. Class 18.

Lincoln Engineering Company, St. Louis, Mo. Portable and stationary lubricating apparatus. 548,490, Sept. 25; Serial No. 500,991, published June 12, 1951. Class 23.

Lincoln Engineering Company, St. Louis, Mo. Portable lubricant-dispensing apparatus. 548,491, Sept. 25; Serial No. 506,326, published June 5, 1951. Class 23.

Linday Joan, Inc., New York, N. Y. Women's wearing apparel. 548,713, Sept. 25; Serial No. 597,889, published July 3, 1951. Class 39.

Link-Belt Speeder Corporation, Cedar Rapids, Iowa. Wheel-mounted shovels, lifting cranes, clamshells, etc. 548,728, Sept. 25; Serial No. 599,881, published June 5, 1951. Class 23.

Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc. Horse and mule feed, dairy feed. 548,543, Sept. 25; Serial No. 561,004, published June 19, 1951. Class 46.

Loomette Studios: *See*—
Throop, Waldo G.

Louisville Paint Manufacturing Company, Louisville, Ky. Ready mixed house paints and wood varnishes. 83,924, re-renewed Oct. 24, 1951. O. G. Sept. 25. Class 16.

Lucas, John, & Company, Inc., Philadelphia, Pa. Marine paints and finishes. 548,541, Sept. 25; Serial No. 560,119, published June 12, 1951. Class 16.

Lusk, C. F., Company: *See*—
Lusk, Charles F.

Lusk, Charles F., doing business as C. F. Lusk Company, Cleveland, Ohio. Sealing compounds. 548,600, Sept. 25; Serial No. 581,198, published July 10, 1951. Class 6.

Luxite Silk Products Co., to Holeproof Hosiery Company, Milwaukee, Wis. Underwear. 289,729, renewed Dec. 1, 1951. O. G. Sept. 25. Class 39.

Macke, G. F., Corporation, The, Washington, D. C. Vending machines. 548,571, Sept. 25; Serial No. 573,190, published June 5, 1951. Class 23.

Mackintosh-Hemphill Company, Pittsburgh, Pa. Cast rolls of ferrous metal. 356,147, Apr. 12, 1938. Republished Sept. 25. Class 14.

Macy, R. H., & Co., Inc., New York, N. Y. Tablecloths, towels, sheets, etc. 548,673, Sept. 25; Serial No. 593,878, published July 3, 1951. Class 42.

Magnin, I., & Co., San Francisco, Calif. Women's, misses', children's and infants' dresses, evening gowns, skirts, etc. 548,622, Sept. 25; Serial No. 586,056, published July 3, 1951. Class 39.

Manhattan Shirt Company, The, New York, N. Y. Men's dress shirts. 548,733, Sept. 25; Serial No. 600,343, published May 22, 1951. Class 39.

Manning, Maxwell & Moore, Incorporated: *See*—
Consolidated Ashcroft Hancock Company.

Manuel Pedrol, Sociedad Anonima, Tarragona, Spain. Olive oil. 548,525, Sept. 25; Serial No. 550,066, published July 10, 1951. Class 46.

Manufacturers and Importers of French Perfumes, Dover, Del., and New York, N. Y. Perfumes and toilet waters. 548,723, Sept. 25; Serial No. 599,444, published June 26, 1951. Class 51.

Mar-Lane Mfg. Co.: *See*—
Martin, Maxine M.

Marengo Industries, Inc., Marengo, Ill. Hair cleanser. 548,606, Sept. 25; Serial No. 582,488, published June 12, 1951. Class 52.

Maritime Milling Co., Inc., Buffalo, N. Y. Dairy, stock and poultry feeds, and dog food, etc. 421,114, May 21, 1946. Republished Sept. 25. Class 46.

Maritime Milling Co. Inc., Buffalo, assignor to Farmers Feed Company, New York, N. Y. Dairy stock and poultry feeds. 548,499, Sept. 25; Serial No. 525,359, published May 23, 1950. Class 46.

Martin, Maxine M., doing business as Mar-Lane Mfg. Co., Kansas City, Mo. Toys. 548,894, Sept. 25; Serial No. 612,024. Class 22.

Marvel Window Cleaner Incorporated, Cleveland, Ohio. Window cleaning devices. 288,321, renewed Oct. 27, 1951. O. G. Sept. 25. Class 29.

Matz, Herman V., doing business under the name and style of Peerless Tool Company, New York, N. Y. Trowels and saws. 548,840, Sept. 25; Serial No. 609,306, published June 5, 1951. Class 23.

May Department Stores Company, The, St. Louis, Mo., doing business under the name Kaufmann Department Stores, Pittsburgh, Pa. Textile rugs, carpets, carpeting, etc. 548,577, Sept. 25; Serial No. 574,443, published July 3, 1951. Class 42.

McCaldin, Inc., Oakland, Calif. Adjustable seat for dentists, barbers, etc. 548,856, Sept. 25; Serial No. 546,116. Class 32.

McCrory Stores Corporation, New York, N. Y. Hosiery. 548,551, Sept. 25; Serial No. 568,967, published June 26, 1951. Class 39.

McMath-Axilrod Corporation, Dallas, Tex. Bending machines. 548,732, Sept. 25; Serial No. 600,299, published June 5, 1951. Class 23.

Mead Johnson & Company, Evansville, Ind. Liquid food preparation. 548,610, Sept. 25; Serial No. 583,093, published July 10, 1951. Class 46.

Mead Specialties Company, Inc., Chicago, Ill. Automatic control mechanisms. 548,579, Sept. 25; Serial No. 575,538, published June 5, 1951. Class 23.

Meed Engineering Corporation, Milwaukee, Wis. Testing candle to detect presence of escaping gases from refrigeration equipment. 548,836, Sept. 25; Serial No. 606,877, published June 5, 1951. Class 26.

Melrose Chemical Co.: *See*—
Ward, James.

Melrose Chemical Corp., assignee: *See*—
Ward, James.

Mercantile Stores Company, Inc., Wilmington, Del. Undershirts, pajamas, under shorts, etc. 548,639, Sept. 25; Serial No. 588,503, published July 3, 1951. Class 39.

Merco Nordstrom Valve Company, San Francisco, Calif., to Rockwell Manufacturing Company, Pittsburgh, Pa. Lubricating greases. 288,911, renewed Nov. 10, 1951. O. G. Sept. 25. Class 15.

Midland Pelleted Seed Co., Saginaw, Mich. Vegetable and flower seeds. 548,694, Sept. 25; Serial No. 595,611, published June 26, 1951. Class 1.

Miller, Frank, & Sons, Chicago, Ill. Floor sweeping compounds. 548,621, Sept. 25; Serial No. 585,805, published June 12, 1951. Class 52.

Miller, M. A., Manufacturing Company, Chicago, Ill. Phonograph needles. 548,888, Sept. 25; Serial No. 601,936. Class 36.

Mills, Elmer E., Corporation, Chicago, Ill. Injection molded and extruded castings, tubing, tapes, etc. 548,517, Sept. 25; Serial No. 545,508, published June 12, 1951. Class 1.

Milne, A., & Co., New York, N. Y., to Forsbacka Jernverks Aktiebolag, Forsbacka, Sweden. Steel in bars, blocks, blooms, etc. 82,454, re-renewed June 27, 1951. O. G. Sept. 25. Class 14.

Minnesota Mining & Manufacturing Company, assignee: *See*—
American Decalcomania Company, Inc.

Mirax Chemical Products Corporation, St. Louis, Mo. Thermally insulated picnic jugs. 548,714, Sept. 25; Serial No. 597,893, published July 3, 1951. Class 2.

Mirror Bright Polish Co., assignor to Mirror Bright Polish Co., Pasadena, Calif. Cleaners, polishers and finish preservers. 548,516, Sept. 25; Serial No. 544,369, published Sept. 12, 1950. Class 4.

Mobile Paint Manufacturing Company of Delaware, Inc., trading as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala. One-coat flat wall paint. 548,509, Sept. 25; Serial No. 538,430, published July 10, 1951. Class 16.

Mobile Varnish Works: *See*—
Mobile Paint Manufacturing Company of Delaware, Inc.

Monsanto Chemical Company, St. Louis, Mo. Organic and inorganic chemicals and synthetic resins and plastics. 548,678, Sept. 25; Serial No. 594,277, published July 10, 1951. Class 6.

Moore, Fred H., doing business as Hilltop Laboratories, Minneapolis, Minn. Soaps. 444,569, Sept. 25; Serial No. 515,893, published Apr. 11, 1950. Class 52.

Mosser, J. K., Leather Corporation: *See*—
Armour and Company.

Natal Tanning Extract Company Limited, The, Pietermaritzburg, Natal, South Africa. Strips of tree bark, ground bark in powder form, etc. 548,573, Sept. 25; Serial No. 573,812, published June 12, 1951. Class 1.

National Mallinson Fabrics Corporation, New York, N. Y. Rayon fabrics. 548,822, Sept. 25; Serial No. 606,313, published June 26, 1951. Class 42.

National Preservers Association, Washington, D. C. Chart used to measure the consistency or viscosity of fruit preserves, etc. 548,884, Sept. 25; Serial No. 594,567. Class 26.

Natural Action Limb Corporation, New York, N. Y. Artificial limbs. 548,589, Sept. 25; Serial No. 578,094, published June 19, 1951. Class 44.

Nelson, Charles, Specialties Co., Inc., Pasadena, Calif. Paint or similar type tint. 548,721, Sept. 25; Serial No. 599,254, published June 12, 1951. Class 16.

New York Merchandise Co., Inc., New York, N. Y. Hand tools. 548,834, Sept. 25; Serial No. 608,617, published June 5, 1951. Class 23.

Nielson Packing Company, San Francisco, to Gerber Products Company, Oakland, Calif. Vegetable juices. 279,766, renewed Jan. 20, 1951. O. G. Sept. 25. Class 46.

Nomend Hosiery, Inc.: *See*—
Nomend Hosiery Mills, M. B. Laubach Co. Inc.

Nomend Hosiery Mills, M. B. Laubach Co. Inc., to Nomend Hosiery, Inc., Philadelphia, Pa. Hosiery. 283,125, renewed May 19, 1951. O. G. Sept. 25. Class 39.

North & Judd Manufacturing Company, New Britain, Conn. Belt trimmings, slipper buckles, slides, and ornaments, etc. 231,036. Aug. 9, 1927. Republished Sept. 25. Class 40.

Northwest Packing Co., Portland, Oreg. Canned vegetables. 548,756, Sept. 25; Serial No. 602,328, published June 5, 1951. Class 46.

Northwestern Drug Company, Minneapolis, Minn. Aromatic spirits of ammonia, bay rum, cascara aromatic laxative, etc. 548,552, Sept. 25; Serial No. 566,395, published June 19, 1951. Class 51.

Notifier Manufacturing Company: *See*—
Joy, Oliver T.

Oakford Company, The, Peoria, Ill. Table syrup. 548,501, Sept. 25; Serial No. 528,506, published July 3, 1951. Class 46.

Ohio Leather Company, The, Girard, Ohio. Leather. 548,513, Sept. 25; Serial No. 541,021, published Jan. 4, 1949. Class 1.

Old Bennington Weavers, Inc., Bennington, Vt. Woolen cloth piece goods. 548,865, Sept. 25; Serial No. 570,573. Class 42.

Old Dutch Mustard Co., Inc.: *See*—
Kedrovich, Vladimir K.

Old Dutch Mustard Company: *See*—
Kedrovich, Vladimir K.

Old South Perfumers: *See*—
Campana Sales Company.

Oliver Coal Company, The, Panonia, Colo., to Kaiser Steel Corporation, Oakland, Calif. Coal. 282,514, renewed Apr. 21, 1951. O. G. Sept. 25. Class 1.

Organon Inc.: *See*—
Hoffmann-La Roche, Inc.
Roche-Organon, Inc.

Organon Inc., Orange, N. J. Medicinal preparation. 548,794, Sept. 25; Serial No. 604,487, published June 12, 1951. Class 18.

Orkil, Incorporated, East Hartford, Conn. Hydraulic ram assembly. 548,731, Sept. 25; Serial No. 600,141, published June 5, 1951. Class 23.

Orlik, Alfred, Inc., New York, N. Y. Pipes, cigarette and cigar holders, etc. 283,934, renewed June 9, 1951. O. G. Sept. 25. Class 8.

Orr, J. K., Shoe Company, Atlanta, Ga., to General Shoe Corporation, Nashville, Tenn. Leather and rubber shoes. 285,140, renewed July 14, 1951. O. G. Sept. 25. Class 39.

Ott, Charles W., Maywood, Ill. Stereoscopic instruments. 548,702, Sept. 25; Serial No. 596,045, published June 26, 1951. Class 44.

Ottawa Therapeutic Appliances, Inc., Ottawa, Ill. Moist heat electrical fomentation pads. 548,692, Sept. 25; Serial No. 595,148, published June 26, 1951. Class 44.

Pacific Feed Sales Co.: *See*—
Glesby, David.

Paillard Products, Inc., New York, N. Y. Camera lenses. 548,839, Sept. 25; Serial No. 609,253, published June 12, 1951. Class 26.

Paine Drug Company, The, Rochester, N. Y. Preparation used in the treatment of heart affections. 288,441, Oct. 27, 1931. Republished Sept. 25. Class 18.

Paramount Cravat Co., Inc., New York, N. Y. Neckwear. 548,855, Sept. 25; Serial No. 542,874. Class 39.

Parfums Evyan Co.: *See*—
Westall, Evelyn.

Parfums Evyan, Inc., assignee: *See*—
Westall, Evelyn.

Paris Medicine Co., by The Grove Laboratories, Inc., St. Louis, Mo. Chill-tonics. 46,394, Sept. 19, 1905. Republished Sept. 25. Class 18.

Park, Tracy S., Houston, Tex. Golf clubs. 548,737, Sept. 25; Serial No. 602,331, published July 10, 1951. Class 22.

Parke, Davis & Company, Detroit, Mich. Colchicine solution. 548,603, Sept. 25; Serial No. 581,684, published June 12, 1951. Class 18.

Parker, I. C., Fort Worth, Tex. Ice cream confection. 286,742, renewed Sept. 1, 1951. O. G. Sept. 25. Class 46.

Parsons & Whittemore: Incorporated, New York, N. Y. Writing, printing, and wrapping paper. 548,522, Sept. 25; Serial No. 547,361, published June 12, 1951. Class 37.

Paul, J. C., & Co., Chicago, Ill. Sterilizing material. 548,777, Sept. 25; Serial No. 603,457, published July 10, 1951. Class 6.

Peerless Tool Company: *See*—
Matz, Herman V.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Men's and boys' clothing. 548,664, Sept. 25; Serial No. 592,836, published June 12, 1951. Class 39.

Pep Boys—Manny, Moe & Jack, The, Philadelphia, Pa. Gasket cement. 548,708, Sept. 25; Serial No. 596,942, published June 26, 1951. Class 5.

Perillo, Lillian C., doing business as Danel Products Company, Summit, N. J. Household cleaner. 548,623, Sept. 25; Serial No. 586,107, published May 29, 1951. Class 52.

Petroleum Specialties Company, St. Louis, Mo. Safflower oil. 548,754, Sept. 25; Serial No. 602,213, published June 26, 1951. Class 6.

Phillips-Jones Corporation, New York, N. Y. Men's outer dress, work, and sport shirts, pajamas, and neckties. 444,572, Sept. 25; Serial No. 525,941, published June 5, 1951. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress shirts, outer sport shirts, outer work shirts, etc. 548,791, Sept. 25; Serial No. 604,023, published June 12, 1951. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 548,751, Sept. 25; Serial No. 602,052, published June 19, 1951. Class 18.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Medical preparation. 548,752, Sept. 25; Serial No. 602,058, published June 19, 1951. Class 18.

Picture Recording Company, Oconomowoc, Wis. Projector screen. 548,864, Sept. 25; Serial No. 568,975. Class 26.

Pieper, O. R., Company, Milwaukee, Wis. Canned fruits and canned vegetables. 288,974, renewed Nov. 10, 1951. O. G. Sept. 25. Class 46.

Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Men's, women's and children's hosiery. 548,741, Sept. 25; Serial No. 601,075, published July 3, 1951. Class 39.

Pittsburgh Gear Company, Pittsburgh, Pa. Gears. 548,553, Sept. 25; Serial No. 567,122, published May 22, 1951. Class 23.

Plas-Tex Corporation, The, Los Angeles, Calif. Hand containers for spraying water. 548,871, Sept. 25; Serial No. 581,981. Class 13.

Plax Corporation, West Hartford, Conn. Polyethylene bottles, and tubing. 548,558, Sept. 25; Serial No. 568,976, published July 10, 1951. Class 2.

Pollak, Henry, Inc., New York, N. Y. Hat bodies. 548,617, Sept. 25; Serial No. 584,835, published June 5, 1951. Class 39.

Prince Macaroni Manufacturing Company, Lowell, Mass. Macaroni. 548,645, Sept. 25; Serial No. 589,527, published June 5, 1951. Class 46.

Pur-O-Zone Chemical Company: *See*—
Vincent, V. Jack.

Pure Oil Company, The, Chicago, Ill. Spot remover, liquid car finish cleaner, treated automobile finish polishing cloth, etc. 548,548, Sept. 25; Serial No. 563,366, published June 19, 1951. Class 4.

Queen Knitting Mills, Philadelphia, Pa. Women's strapless halters. 548,613, Sept. 25; Serial No. 584,012, published July 10, 1951. Class 39.

Rapids-Standard Company, Inc., The, Grand Rapids, Mich. Adjustable supports for power-driven or gravity conveyors. 548,492, Sept. 25; Serial No. 508,919, published May 22, 1951. Class 23.

Read, W. F., & Company: *See*—
Read, Wilbur F.

Read, Wilbur F., doing business under the assumed name of W. F. Read & Company, Coldwater, Mich. Coin changing and dispensing mechanism. 548,831, Sept. 25; Serial No. 607,560, published June 5, 1951. Class 26.

Recker, O. R., doing business as O. R. Recker Packing Co., Phoenix, Ariz. Fresh lettuce and fresh cantaloupes. 548,798, Sept. 25; Serial No. 604,661, published July 10, 1951. Class 46.

Recker, O. R., Packing Co.: *See*—
Recker, O. R.

Red Lane Calcareous Sinter Co. Inc., Thermopolis, Wyo., and Billings, Mont. Fertilizer. 548,738, Sept. 25; Serial No. 600,974, published July 10, 1951. Class 10.

Red Spot Paint & Varnish Co., Inc., Evansville, Ind. Copper naphthenate preparations. 548,565, Sept. 25; Serial No. 571,620, published July 3, 1951. Class 6.

Reed & Carnrick, Jersey City, N. J. Medicinal preparations. 286,597, renewed Sept. 1, 1951. O. G. Sept. 25. Class 18.

Rejuvia Beauty Laboratories, Inc., New York, N. Y. Rouge, face powder, cake make-up, etc. 548,632, Sept. 25; Serial No. 587,286, published June 26, 1951. Class 51.

Reliance Trailer & Truck Co. Inc., San Francisco, Calif. Heavy-duty trailers, chassis and bodies for trailers, etc. 543,919, June 19, 1951. Corrected. O. G. Sept. 25. Class 19.

Rimler, Jack S., Miami Beach, Fla. Ladies' shoes. 548,869, Sept. 25; Serial No. 578,166. Class 39.

Riverside & Dan River Cotton Mills, Inc., to Dan River Mills, Incorporated, Danville, Va. Broadcloth. 288,858, renewed Nov. 10, 1951. O. G. Sept. 25. Class 42.

Robertshaw-Fulton Controls Company, Greensburg, Pa. Bellows type thermostats. 548,837, Sept. 25; Serial No. 608,950, published June 12, 1951. Class 26.

Robinson Syrup Co. Inc., Cairo, Ga. Table syrups. 548,532, Sept. 25; Serial No. 555,698, published Feb. 14, 1950. Class 46.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medicinal preparation. 361,309, Oct. 11, 1938. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medical preparation. 365,440, Mar. 7, 1939. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medical preparation. 365,442–6, Mar. 7, 1939. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medicinal preparation. 368,103, June 6, 1939. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medicinal preparation. 370,472, Aug. 29, 1939. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Hormone preparation. 372,214, Oct. 24, 1939. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Combination of estrogenic and progestogenic preparations. 410,358, Nov. 21, 1944. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Estrogenic preparations. 411,247, Jan. 9, 1945. Republished Sept. 25. Class 18.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medical preparation. 440,869, Oct. 5, 1948. Republished Sept. 25. Class 18.

Rochester Germicide Company, Rochester, N. Y. Toilet bowl deodorants. 548,554, Sept. 25; Serial No. 568,215, published June 12, 1951. Class 6.

Rock River Cotton Company, Janesville, Wis. Cotton batting. 285,425, May 26, 1931. Republished Sept. 25. Class 1.

Rockledge Mfg. Co., Holden, Mo. Rotary pump. 548,841, Sept. 25; Serial No. 610,465, published June 5, 1951. Class 23.

Rockwell Manufacturing Company: *See*—
Merco Nordstrom Valve Company.

Roosevelt Mills, Inc., Manchester, Conn., and New York, N. Y. Polo shirts, and sweaters for women and girls. 548,691, Sept. 25; Serial No. 594,920, published June 5, 1951. Class 39.

Ross Bait Manufacturing Co., The, Akron, Ohio. Artificial fish lure. 548,842, Sept. 25; Serial No. 610,525, published July 10, 1951. Class 22.

Royal, Thomas M., & Co., Philadelphia, Pa. Paper bags. 548,801, Sept. 25; Serial No. 604,706, published July 3, 1951. Class 2.

Ruddick, Henry, doing business as The Floor Rite Company, Victoria, British Columbia, Canada. Preparations for mixing with cement. 548,535, Sept. 25; Serial No. 557,631, published May 22, 1951. Class 12.

Rupp, William, doing business under the name Anthron Products, East Orange, N. J. Ointment. 548,774, Sept. 25; Serial No. 603,382, published June 12, 1951. Class 18.

S & S Soap Company, New York, N. Y. Cleansing products. 548,533, Sept. 25; Serial No. 556,658, published June 26, 1951. Class 52.

S. & S. Underwear Manufacturing Corp., New York, N. Y. Ladies' panties. 548,534, Sept. 25; Serial No. 556,819, published July 3, 1951. Class 39.

Santa Clara Frosted Foods Company, Santa Clara, Calif. Frozen fresh vegetables. 548,618, Sept. 25; Serial No. 584,839, published May 22, 1951. Class 46.

Sargent-Gerke Co., The, Indianapolis, Ind. House paint, varnish, spar varnish, etc. 548,697, Sept. 25; Serial No. 595,742, published July 3, 1951. Class 16.

Sargent-Gerke Co., The, Indianapolis, Ind. Wall paint. 548,698, Sept. 25; Serial No. 595,744, published July 3, 1951. Class 16.

Schafran, S., & Co., Inc., New York, N. Y. Sheets and pillow cases. 548,663, Sept. 25; Serial No. 592,339, published July 3, 1951. Class 42.

Scharringhausen Pharmacy, Park Ridge, Ill. Lecithin preparation. 548,755, Sept. 25; Serial No. 602,288, published July 10, 1951. Class 6.

Schnefel Bros. Corporation: *See*—
Schnefel Bros., Inc.

Schnefel Bros., Inc., to Schnefel Bros. Corporation, Newark, N. J. Tweezers, barber scissors, house scissors, etc. 286,717, renewed Sept. 1, 1951. O. G. Sept. 25. Class 23.

Schneider, F. A., doing business as Warren Dried Fruit Co., to Warren Dried Fruit Co., San Jose, Calif. Dried fruits. 286,421, renewed Aug. 25, 1951. O. G. Sept. 25. Class 46.

Schrafft, W. F., & Sons Corporation, Boston, Mass., to Frank G. Shattuck Company, New York, N. Y. Chocolate candy. 284,159, renewed June 16, 1951. O. G. Sept. 25. Class 46.

Schwarts-Mickity, Inc., New York, N. Y. Stoles. 548,778, Sept. 25; Serial No. 603,462, published June 5, 1951. Class 39.

Scott & Bowne, to Eno-Scott & Bowne, Bloomfield, N. J. Cod-liver oil (plain). 284,745, renewed July 7, 1951. O. G. Sept. 25. Class 18.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 548,545, Sept. 25; Serial No. 561,491, published June 26, 1951. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 548,546, Sept. 25; Serial No. 561,493, published July 3, 1951. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 548,547, Sept. 25; Serial No. 561,496, published July 3, 1951. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 548,599, Sept. 25; Serial No. 581,026, published July 3, 1951. Class 42.

Seinsheimer Paper Co., The, to Clopay Corporation, Cincinnati, Ohio. Window shade. 289,234, renewed Nov. 24, 1951. O. G. Sept. 25. Class 32.

Sew E-Z Novelty Shop: *See*—
Jaffe, Esther.

Sexton, John, & Co., Chicago, Ill. Soaps, stain and spot removers, drain solvents, etc. 548,592, Sept. 25; Serial No. 578,708, published June 12, 1951. Class 52.

Shade-Master Aluminum Awning Corp., Buffalo, N. Y. Sheet metal awnings. 548,587, Sept. 25; Serial No. 577,400, published June 26, 1951. Class 12.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Analgesic preparation. 548,601, Sept. 25; Serial No. 581,290, published June 12, 1951. Class 18.

Sharwood, J. A., & Co. Limited, London, England. Chutney and chutney sauce. 542,926, May 29, 1951. Corrected. O. G. Sept. 25. Class 46.

Shattuck, Frank G., Company: *See*—
Schrafft, W. F., & Sons Corporation.

Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Writing fluids. 548,851, Sept. 25; Serial No. 528,078. Class 11.

Shell Oil Company: *See*—
Shell Oil Company, Incorporated.

Shell Oil Company, New York, N. Y. Maintenance and reconditioning service. 548,848, Sept. 25; Serial No. 589,344, published July 3, 1951. Class 103.

Shell Oil Company, Incorporated, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y. Furniture polish. 548,530, Sept. 25; Serial No. 554,429, published July 10, 1951. Class 4.

Shellmar Products Corporation, Chicago, Ill. Bags. 548,709, Sept. 25; Serial No. 597,231, published June 26, 1951. Class 2.

Sierra Homes Inc., Portland, Oreg. Prefabricated houses. 548,567, Sept. 25; Serial No. 572,131, published June 26, 1951. Class 12.

Sigma Chemical Company, St. Louis, Mo. Shoe polish. 548,753, Sept. 25; Serial No. 602,170, published June 26, 1951. Class 4.

Silk Skin Inc., New York, N. Y. Girdles and panties. 548,815, Sept. 25; Serial No. 605,446, published July 3, 1951. Class 39.

Simoniz Company, The, Chicago, Ill. Hard paste wax-like material. 548,858, Sept. 25; Serial No. 557,394. Class 16.

Simplex Time Recorder Co.: *See*—
Temporator Company.

Simplicity Engineering Company, Durand, Mich. Vibrating conveyors, gyratory screens, etc. 548,574, Sept. 25; Serial No. 573,904, published June 5, 1951. Class 23.

Siskind's Tailoring Co., Inc., New York, N. Y. Sport shirts and jacket shirts. 548,637, Sept. 25; Serial No. 588,326, published June 5, 1951. Class 39.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine for the diseases of the nervous system. 284,942, renewed July 14, 1951. O. G. Sept. 25. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine. 548,614, Sept. 25; Serial No. 584,160, published June 12, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sympatholytic and adrenolytic agent. 548,626, Sept. 25; Serial No. 586,367, published June 12, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Parasiticide and antiseptic. 548,642, Sept. 25; Serial No. 589,124, published June 12, 1951. Class 18.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 548,782, Sept. 25; Serial No. 603,603, published June 12, 1951. Class 18.

Snell Manufacturing Company, Fiskdale and Worcester, Mass. Auger bits. 548,843, Sept. 25; Serial No. 610,590, published June 5, 1951. Class 23.

Snyder Chemical Company, Inc., The, Topeka, Kans. Fertilizers. 548,711, Sept. 25; Serial No. 597,857, published July 10, 1951. Class 10.

Societe Anonyme "Ostendia," Breedene, Sas-Slijkens, near Ostend, Belgium. Preserved fish. 548,638, Sept. 25; Serial No. 588,327, published July 3, 1951. Class 46.

Society of Chemical Industry in Basle, to Ciba Limited, Basel, Switzerland. Coal-tar dyestuffs. 285,024, renewed July 14, 1951. O. G. Sept. 25. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid aromatic petroleum oil. 548,803, Sept. 25; Serial No. 604,749, published July 10, 1951. Class 6.

Solvay Process Company, The, Syracuse, to Allied Chemical & Dye Corporation, New York, N. Y. Cleansing compounds, etc. 288,093, renewed Oct. 20, 1951. O. G. Sept. 25. Class 52.

Solvay Process Company, The, Syracuse, to Allied Chemical & Dye Corporation, New York, N. Y. Chemical preparation. 288,309, renewed Oct. 27, 1951. O. G. Sept. 25. Class 6.

Solvay Process Company, The, Syracuse, to Allied Chemical & Dye Corporation, New York, N. Y. Chemical preparation. 289,052, renewed Nov. 17, 1951. O. G. Sept. 25. Class 6.

Spice Islands Company, San Francisco, Calif. White wine vinegar, red wine vinegar, etc. 548,889, Sept. 25; Serial No. 601,956. Class 46.

Spier, Larry, New York, N. Y. Spectacle cases. 548,880, Sept. 25; Serial No. 588,903. Class 26.

Sponge Rubber Products Company, The, Shelton, Conn. Cushioning supports and fillers in upholstered furniture. 444,240, Sept. 26, 1950. Republished Sept. 25. Class 32.

Springfield Flour Mills, The: *See*—
Colorado Milling & Elevator Co., The.

Squibb, E. R., & Sons, New York, N. Y. Inhalers. 548,570, Sept. 25; Serial No. 573,149, published June 19, 1951. Class 44.

Squibb, E. R., & Sons, New York, N. Y. Analgesic preparations. 548,797, Sept. 25; Serial No. 604,602, published June 12, 1951. Class 18.

Stamford Wall Paper Company, Stamford, Conn. Wall paper. 548,887, Sept. 25; Serial No. 599,461. Class 37.

Standard Gage Company, Inc., Poughkeepsie, N. Y., and elsewhere. Dial indicating gages, snap gages, etc. 548,540, Sept. 25; Serial No. 559,436, published Feb. 27, 1951. Class 26.

Standard Phono Corporation, New York, N. Y. Mechanically grooved phonograph records. 548,505, Sept. 25; Serial No. 534,830, published Jan. 24, 1950. Class 36.

Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Insulating-varnishes. 37,362, re-renewed Nov. 26, 1951. O. G. Sept. 25. Class 16.

Steelcote Manufacturing Company, St. Louis, Mo. Aluminum paint preparation. 548,872, Sept. 25; Serial No. 582,149. Class 16.

Stein, Fred, Laboratories, Atchison, Kans. Solvent. 548,608, Sept. 25; Serial No. 582,705, published June 26, 1951. Class 6.

Stevens, J. P., & Co. Inc., to J. P. Stevens & Co., Inc., New York, N. Y. Broadcloth. 287,577, renewed Sept. 29, 1951. O. G. Sept. 25. Class 42.

Stocker Manufacturing Company, Netcong, N. J. Sealing tapes. 548,591, Sept. 25; Serial No. 578,649, published June 12, 1951. Class 5.

Stoddard, G. S., & Co., Inc., New York, N. Y. Antacid preparation. 548,563, Sept. 25; Serial No. 570,799, published June 26, 1951. Class 18.

Stoffel Seals Corporation, Tuckahoe, N. Y. Musical instruments. 548,861, Sept. 25; Serial No. 559,187. Class 36.

Storck Baking Company: *See*—
Storck, Louis.

Storck Baking Company, Inc.: *See*—
Storck, Louis.

Storck, Louis, doing business as Storck Baking Company, to Storck Baking Company, Inc., Parkersburg, W. Va. Bread, cakes, and pies. 289,742, renewed Dec. 1, 1951. O. G. Sept. 25. Class 46.

Stuart, C. W., & Company, Inc., Newark, N. Y. Shrubs. 548,633, Sept. 25; Serial No. 587,292, published June 19, 1951. Class 1.

Stuart-Huard, Inc., Inglewood, Calif. Silicone for paints, enamels, varnishes, and the like. 548,783, Sept. 25; Serial No. 603,653, published July 3, 1951. Class 16.

Supacut Garments Limited, Nottingham, England. Men's, women's and children's outerwear, etc. 548,717, Sept. 25; Serial No. 598,510, published June 5, 1951. Class 39.

Sutliff & Case Co., Inc., Peoria, Ill. Medicinal tablet. 548,593, Sept. 25; Serial No. 578,722, published June 12, 1951. Class 18.

Taylor, Edward R., doing business as Taylor Precision Mfg. Co., Rocky River, Ohio. Power driven earth tiller. 548,737, Sept. 25; Serial No. 600,706, published June 26, 1951. Class 23.

Taylor Precision Mfg. Co.: *See*—
Taylor, Edward R.

Tee-Chum Enterprises, Pittsburgh, Pa. Mechanical doll. 548,813, Sept. 25; Serial No. 605,180, published July 10, 1951. Class 22.

Templar Oil Products Co., Inc., South River, N. J. Floor cleaners. 548,560, Sept. 25; Serial No. 569,645, published June 12, 1951. Class 52.

Temporator Company, Chicago, Ill., to Simplex Time Recorder Co., Gardner, Mass. Electrical remote control, visual and audible signaling equipment, etc. 284,370, renewed June 23, 1951. O. G. Sept. 25. Class 21.

Teruya, Jenshiro, New York, N. Y. Windows and window frame. 548,771, Sept. 25; Serial No. 603,320, published May 29, 1951. Class 12.

Teruya, Jenshiro, New York, N. Y. Brushes. 548,772, Sept. 25; Serial No. 603,321, published July 3, 1951. Class 29.

Theobald Industries, The, Kearny, N. J. General household cleanser. 548,596, Sept. 25; Serial No. 579,299, published June 12, 1951. Class 52.

Thompson Products, Inc., Cleveland, Ohio. Internal combustion engine pistons. 548,493, Sept. 25; Serial No. 512,353, published June 5, 1951. Class 23.

Thompson-Winchester Company, Inc., Boston, Mass. Ventilators to remove from stoves and ranges smoke and food odors. 548,881, Sept. 25; Serial No. 589,926. Class 34.

Throop, Waldo G., doing business as Loomette Studios, Pasadena, Calif. Hand looms. 548,891, Sept. 25; Serial No. 604,342. Class 23.

Tide Water Associated Oil Company.: *See*—
Tide Water Oil Co.
Tide Water Oil Company.

Tide Water Oil Co., to Tide Water Associated Oil Company, New York, N. Y. Lubricating oils and greases. 83,791, re-renewed Oct. 10, 1951. O. G. Sept. 25. Class 15.

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y., to Tide Water Associated Oil Company, New York, N. Y. Lubricating oils and greases. 288,099, renewed Oct. 20, 1951. O. G. Sept. 25. Class 15.

Tillery Container Company, Kansas City, Mo. Paper guards. 548,873, Sept. 25; Serial No. 582,194. Class 37.

Toscony Fabrics, Inc., New York, N. Y. Plastic film in the piece. 548,588, Sept. 25; Serial No. 577,695, published July 3, 1951. Class 42.

Tri-Lok Company, The, Pittsburgh, Pa. Gratings for flooring, stair treads and catwalks. 548,726, Sept. 25; Serial No. 599,667, published May 29, 1951. Class 12.

Tri-State Plastic Molding Co., Henderson, Ky. Covered plastic boxes. 548,667, Sept. 25; Serial No. 593,302, published June 26, 1951. Class 2.

Turfvision, Alhambra, Calif. Motion picture film. 548,832, Sept. 25; Serial No. 607,877, published June 5, 1951. Class 26.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Carbide and Carbon Corporation, New York, N. Y. Synthetic organic resins and synthetic organic resin compositions, etc. 548,590, Sept. 25; Serial No. 578,544, published July 10, 1951. Class 6.

Union Standard Equipment Company: *See*—
Bradley, Smith Co., The.

Union Trading Company, Ltd., Basel, Switzerland. Petroleum and products of petroleum, mineral wax, etc. 548,627, Sept. 25; Serial No. 586,370, published June 12, 1951. Class 15.

United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece. 548,653, Sept. 25; Serial No. 591,122, published July 3, 1951. Class 42.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 548,611, Sept. 25; Serial No. 583,375, published June 12, 1951. Class 18.

Uslan, Incorporated, Spring Valley, N. Y. Fishing rods. 548,789, Sept. 25; Serial No. 603,868, published July 10, 1951. Class 22.

Valmy Garment Company, Inc., Hammond, La. Play suits, slacks, sun suits, etc. 548,816, Sept. 25; Serial No. 605,541, published July 3, 1951. Class 39.

Van Pelt Electric Co., The: *See*—
Van Pelt, Gertrude C.

Van Pelt, Gertrude C., doing business as The Van Pelt Electric Co., Pittsburgh, Pa. Antifriction bearings and housings therefor. 548,835, Sept. 25; Serial No. 608,725, published June 5, 1951. Class 23.

Verdolyack, A. G., Inc., Minneapolis, Minn. Paper hand towels. 548,890, Sept. 25; Serial No. 602,788. Class 37.

Veterans of Foreign Wars of the United States, to Veterans of Foreign Wars of the United States, Kansas City, Mo. Flags, banners, grave markers, etc. 283,936, renewed June 9, 1951. O. G. Sept. 25. Class 50.

Vincent, V. Jack, doing business as Pur-O-Zone Chemical Company, Lawrence, Kans. Clear sealing and protective floor finishes. 548,853, Sept. 25; Serial No. 531,063. Class 16.

Wallerstein Company, Inc., New York, N. Y. Ensymatic preparation. 286,592, renewed Sept. 1, 1951. O. G. Sept. 25. Class 6.

Warr, James, doing business as Melrose Chemical Co., Melrose, Mass., assignor to Melrose Chemical Corp. Chemical preparations. 548,604, Sept. 25; Serial No. 582,332, published July 10, 1951. Class 6.

Warren Dado Sawing Washer Co., Detroit, Mich. Wedge shaped washers. 548,893, Sept. 25; Serial No. 609,012. Class 23.

Warren Dried Fruit Co.: *See*—
Schneider, F. A.

Washington, Martha, Candies Co.: *See*—
Washington, Martha, Candies Company.

Washington, Martha, Candies Company, to Martha Washington Candies Co., Chicago, Ill. Candies. 281,420, renewed Mar. 17, 1951. O. G. Sept. 25. Class 46.

Weiss Friedman Co., New York, N. Y. Piece goods. 548,495, Sept. 25; Serial No. 519,427, published June 26, 1951. Class 42.

Wellite Corporation, Tulsa, Okla. Light-weight additives for drilling fluids. 548,674, Sept. 25; Serial No. 593,954, published July 10, 1951. Class 6.

Wembley, Inc., New Orleans, La. Men's neckties and scarfs. 548,786, Sept. 25; Serial No. 603,753, published June 12, 1951. Class 39.

Werk, M., Company, The, St. Bernard, Ohio. Soap. 548,634, Sept. 25; Serial No. 587,369, published June 26, 1951. Class 52.

Westall, Evelyn, doing business as Parfums Evyan Co., New York, N. Y., assignor to Parfums Evyan, Inc. Perfume essence. 548,625, Sept. 25; Serial No. 586,335, published June 26, 1951. Class 51.

Western Tablet & Stationery Corporation, Dayton, Ohio. Loose leaf binders, and index cards and guides. 444,573, Sept. 25; Serial No. 526,148, published May 29, 1951. Class 37.

West Point Manufacturing Company, West Point, Ga. Bed fabrics; bedspreads, etc. 284,760, July 7, 1931. Republished Sept. 25. Class 42.

West Winds, Incorporated, San Francisco, Calif. Repairing diesel engines and metal work. 548,847, Sept. 25; Serial No. 601,085, published July 3, 1951. Class 103.

White Swan Uniforms, Inc.: *See*—
Cooper, Leo M.

Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 548,799, Sept. 25; Serial No. 604,675, published July 10, 1951. Class 46.

Wilhelm, Werner F., doing business as The Carin Company, Chicago, Ill. Dietary food supplement. 548,526, Sept. 25; Serial No. 550,471, published June 12, 1951. Class 18.

Wilkins, Joseph E., Philadelphia, Pa. Draperies. 548,581, Sept. 25; Serial No. 575,880, published June 26, 1951. Class 42.

Williams, Thomas J., Buenos Aires, Argentina. Silica. 548,724, Sept. 25; Serial No. 599,604, published June 12, 1951. Class 1.

Willson Products, Inc., Reading, Pa. Respirators and parts thereof. 548,703, Sept. 25; Serial No. 596,060, published July 3, 1951. Class 44.

Wilson, Frank M., Company, Stockton, Calif. Canned fruits. 548,792, Sept. 25; Serial No. 604,056, published July 3, 1951. Class 46.

Winston and Newell Company, Minneapolis, Minn., and Wilmington, Del. Coffee. 548,521, Sept. 25; Serial No. 546,809, published July 10, 1951. Class 46.

Wipo Manufacturing Co.: *See*—
Bags, Inc.
Wolfman, Ben, Inc., doing business as The Fashion, Houston, Tex. Ready-to-wear goods. 548,651, Sept. 25; Serial No. 590,726, published June 5, 1951. Class 39.
Woods, Robert E., Dayton, Ohio. Babies' and children's bibs. 548,658, Sept. 25; Serial No. 591,824, published June 26, 1951. Class 39.
Wrenn Paper Company, The, Middletown, Ohio. Blotting paper. 548,518, Sept. 25; Serial No. 545,925, published June 12, 1951. Class 37.
Wyeth Incorporated: *See*—
Bovinine Company.
Yakima Fruit & Cold Storage Co., Yakima, Wash. Fresh apples. 548,615, Sept. 25; Serial No. 584,211, published July 3, 1951. Class 46.
Yomanco Production Co.: *See*—
York Manufacturing Company.
York Manufacturing Company, doing business as Yomanco Production Co., Saco, by Bates Manufacturing Company, Lewiston, Maine. Waterproofed textile fabrics. 245,467, Aug. 14, 1928. Republished Sept. 25. Class 42.
Zenith Radio Corporation, Chicago, Ill. Radio electron tubes. 284,323, renewed June 23, 1951. O. G. Sept. 25. Class 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Castings, tubing, tapes, etc., Injection molded and extruded. Elmer E. Mills Corporation. 548,517, Sept. 25; Serial No. 545,508, published June 12, 1951.
Cattle semen. Central Ohio Breeding Association. 548,690, Sept. 25; Serial No. 594,885, published June 19, 1951.
Coal. Blue Blaze Coal Company. 284,100, renewed June 16, 1951. O. G. Sept. 25.
Coal. The Oliver Coal Company. 282,514, renewed Apr. 31, 1951. O. G. Sept. 25.
Cotton batting. Rock River Cotton Company. 283,425, May 26, 1931. Republished Sept. 25.
Leather. The Ohio Leather Company. 548,513, Sept. 25; Serial No. 541,021, published Jan. 4, 1949.
Leather, Sole. Armour and Company. 548,520, Sept. 25; Serial No 546,637, published June 12, 1951.
Leathers. Colonial Tanning Company, Inc. 548,762, Sept. 25; Serial No. 602,748, published June 12, 1951.
Seeds. Law Somner Pty. Ltd. 548,659, Sept. 25; Serial No. 591,853, published June 26, 1951.
Seeds, Vegetable and flower. Midland Pelleted Seed Co. 548,694, Sept. 25; Serial No. 595,611, published June 26, 1951.
Shrubs. C. W. Stuart & Company, Inc. 548,633, Sept. 25; Serial No. 587,292, published June 19, 1951.
Silica. T. J. Williams. 548,724, Sept. 25; Serial No. 599,604, published June 12, 1951.
Sponge rubber. Brown Rubber Company, Inc. 548,551, Sept. 25; Serial No. 565,509, published June 12, 1951.
Strips of tree bark, ground bark in powder form, etc. The Natal Tanning Extract Company Limited. 548,573, Sept. 25; Serial No. 573,812, published June 12, 1951.

CLASS 2

Bags. Shellmar Products Corporation. 548,709, Sept. 25; Serial No. 597,231, published June 26, 1951.
Bags, Paper. Chase Bag Company. 548,784, Sept. 25; Serial No. 603,727, published June 26, 1951.
Bags, Paper. Gulf States Paper Corporation. 548,795–6, Sept. 25; Serial Nos. 604,529–30, published July 3, 1951.
Bags, Paper. Gulf States Paper Corporation. 548,806, Sept. 25; Serial No. 604,779, published July 3, 1951.
Bags, Paper. Thomas M. Royal & Co. 548,801, Sept. 25; Serial No. 604,706, published July 3, 1951.
Boxes, Covered, plastic. Tri-State Plastic Molding Co. 548,661, Sept. 25; Serial No. 593,302, published June 26, 1951.
Cases and boxes, Decorative or ornamental metal. Farrington Manufacturing Company. 548,594, Sept. 25; Serial No. 578,875, published June 19, 1951.
Crates and cases, Metal and wooden. Cesco Container Company. 548,800, Sept. 25; Serial No. 604,686, published July 3, 1951.
Jugs, Thermally insulated picnic. Mirax Chemical Products Corporation. 548,714, Sept. 25; Serial No. 597,893, published July 3, 1951.
Nets, Laundry. William E. Hooper & Sons Company. 548,509, Sept. 25; Serial No. 536,604, published June 19, 1951.
Polyethylene bottles, and tubing. Plax Corporation. 548,553, Sept. 25; Serial No. 568,976, published July 10, 1951.
Reels, Hose. H. B. Crawford. 548,671, Sept. 25; Serial No. 593,471, published June 26, 1951.
Tanks, Liquid storage. Chicago Bridge & Iron Company. 548,808, Sept. 25; Serial No. 604,839, published July 3, 1951

CLASS 4

Cleaner and polish, Bowling alley, and bowling alley lacquers, etc. Berry Brothers, Inc. 548,538, Sept. 25; Serial No. 558,000, published July 3, 1951.
Cleaners, polishers and finish preservers. Mirror Bright Polish Co. 548,516, Sept. 25; Serial No. 544,369, published Sept. 12, 1950.
Cleansing pads. Cleanser Products, Inc. 548,542, Sept. 25; Serial No. 580,634, published June 20, 1950.
Grindstones. The Allbright-Nell Company. 548,609, Sept. 25; Serial No. 583,067, published Sept. 19, 1950.
Polish and polishing preparations. R. M. Hollingshead Corporation. 548,624, Sept. 25; Serial No. 586,281, published June 26, 1951
Polish, Furniture. Shell Oil Company, Incorporated. 548,530, Sept. 25; Serial No. 554,429, published July 10, 1951.
Polish, Shoe. Sigma Chemical Company. 548,753, Sept. 25; Serial No. 602,170, published June 26, 1951.
Polishing wheels. Advance Polishing Wheels, Inc. 277,070, Nov. 4, 1930. Republished Sept. 25.
Spot remover, liquid car finish cleaner, treated automobile finish polishing cloth, etc. The Pure Oil Company. 548,548, Sept. 25; Serial No. 563,366, published June 19, 1951.

CLASS 5

Adhesive tape, Pressure-sensitive. Behr-Manning Corporation. 548,718, Sept. 25; Serial No. 598,629, published June 12, 1951
Cement, Gasket. The Pep Boys—Manny, Moe & Jack. 548,708, Sept. 25; Serial No. 596,942, published June 26, 1951.
Glues. J. & G. Cox Limited. 82,423, re-renewed June 27, 1951. O. G. Sept. 25.
Tapes, Sealing. Stocker Manufacturing Company. 548,591, Sept. 25; Serial No. 578,649, published June 12, 1951.

CLASS 6

Anti-freeze solution. Gamble-Skogmo, Inc. 548,768, Sept. 25; Serial No. 603,058, published July 10, 1951.
Azo dyestuffs. Alliance Color & Chemical Co. 548,655–6, Sept. 25; Serial Nos. 591,268–9, published July 10, 1951.
Carbon black. J. M. Huber Corporation. 548,668, Sept. 25; Serial No. 593,353, published July 10, 1951.
Chemical compositions. Dodge & Olcott, Inc. 548,688, Sept. 25; Serial No. 594,628, published July 10, 1951.
Chemical compound. A. H. T. Field & Co. Ltd. 548,788, Sept. 25; Serial No. 603,841, published July 10, 1951.
Chemical compounds. E. I. du Pont de Nemours and Company. 548,760, Sept. 25; Serial No. 602,501, published July 10, 1951.
Chemical preparation. The Solvay Process Company. 288,309, renewed Oct. 27, 1951. O. G. Sept. 25.
Chemical preparation. The Solvay Process Company. 289,052, renewed Nov. 17, 1951. O. G. Sept. 25.
Chemical preparations. J. Warr. 548,604, Sept. 25; Serial No. 582,332, published July 10, 1951.
Chemicals, Organic and inorganic, and synthetic resins and plastics. Monsanto Chemical Company. 548,678, Sept. 25; Serial No. 594,277, published July 10, 1951.
Chemicals, Surface active. Ferro Chemical Corporation. 548,652, Sept. 25; Serial No. 591,078, published July 10, 1951.
Coal-tar colors. Ciba Limited. 548,804, Sept. 25; Serial No. 604,767, published July 10, 1951.
Copper naphthenate preparations. Red Spot Paint & Varnish Co., Inc. 548,565, Sept. 25; Serial No. 571,620, published July 3, 1951.
Dyes and dyestuffs. General Dyestuff Corporation. 548,580, Sept. 25; Serial No. 575,703, published July 3, 1951.
Dyestuffs, Coal-tar. Society of Chemical Industry in Basle. 285,024, renewed July 14, 1951. O. G. Sept. 25.
Enzymatic preparation. Wallerstein Company, Inc. 286,592, renewed Sept. 1, 1951. O. G. Sept. 25.
Fatty acids. W. C. Hardesty Company, Inc. 548,765, Sept. 25; Serial No. 602,943, published July 10, 1951.
Insecticide. Bostwick Laboratories, Inc. 548,605, Sept. 25; Serial No. 582,341, published June 26, 1951.
Insecticides. F. Kouril, Jr. 548,802, Sept. 25; Serial No. 604,725, published July 10, 1951.
Lecithin preparation. Scharringhausen Pharmacy. 548,755, Sept. 25; Serial No. 602,288, published July 10, 1951.
Light-weight additives for drilling fluids. Wellite Corporation. 548,674, Sept. 25; Serial No. 593,954, published July 10, 1951.
Liquid aromatic petroleum oil. Socony-Vacuum Oil Company, Incorporated. 548,803, Sept. 25; Serial No. 604,749, published July 10, 1951.

Manganese oxide. Foote Mineral Company. 548,764, Sept. 25; Serial No. 602,837, published July 10, 1951.
Methyl methacrylate monomer and methyl methacrylate polymer. The L. D. Caulk Company. 548,763, Sept. 25; Serial No. 602,822, published July 10, 1951.
Mixtures of odorous essential oils and aromatic chemicals. E. I. du Pont de Nemours and Company. 548,775, Sept. 25; Serial No. 603,441, published July 10, 1951.
Potassium chloride. International Minerals & Chemical Corporation. 548,595, Sept. 25; Serial No. 578,977, published July 10, 1951.
Powdered calcium. The Georgia Marble Company. 548,780, Sept. 25; Serial No. 603,525, published July 10, 1951.
Products for rendering fabrics water repellent. Dow Corning Corporation. 548,699, Sept. 25; Serial No. 595,947, published July 10, 1951.
Rodenticide. Dr. Hess & Clark, Inc. 548,785, Sept. 25; Serial No. 603,737, published July 10, 1951.
Safflower oil. Petroleum Specialties Company. 548,754, Sept. 25; Serial No. 602,213, published June 26, 1951.
Sealing compounds. C. F. Lusk. 548,600, Sept. 25; Serial No. 581,198, published July 10, 1951.
Solvent. Fred Stein Laboratories. 548,608, Sept. 25; Serial No. 582,705, published June 26, 1951.
Sterilising material. J. C. Paul & Co. 548,777, Sept. 25; Serial No. 603,457, published July 10, 1951.
Synthetic organic resins and synthetic organic resin compositions, etc. Union Carbide and Carbon Corporation. 548,590, Sept. 25; Serial No. 578,544, published July 10, 1951.
Synthetic polyester resins. Atlas Powder Company. 548,807, Sept. 25; Serial No. 604,832, published July 10, 1951.
Toilet bowl deodorants. Rochester Germicide Company. 548,554, Sept. 25; Serial No. 568,215, published June 12, 1951.

CLASS 8

Pipes, cigarette and cigar holders, etc. Alfred Orlik, Inc. 283,934, renewed June 9, 1951. O. G. Sept. 25.
Tobacco-pipes, cigar and cigarette holders. The Imperial Tobacco Company (of Great Britain and Ireland), Limited. 82,443, June 27, 1911. Republished Sept. 25.

CLASS 10

Compost activator. Chase Protected Cultivation Limited. 548,779, Sept. 25; Serial No. 603,518, published July 10, 1951.
Fertilizer. Red Lane Calcareous Sinter Co. Inc. 548,738, Sept. 25; Serial No. 600,974, published July 10, 1951.
Fertilizers. The Snyder Chemical Company, Inc. 548,711, Sept. 25; Serial No. 597,857, published July 10, 1951.
Fertilizers, Animal and chemical. Inland Fertilizer Co. 548,773, Sept. 25; Serial No. 603,329, published July 10, 1951.

CLASS 11

Inks, Printing. J. M. Huber Corporation. 548,776, Sept. 25; Serial No. 603,450, published July 10, 1951.
Inks, White, black, and colored drawing, blue print writing fluid, and block out ink. The Frederick Post Company. 548,829, Sept. 25; Serial No. 607,495, published July 10, 1951.
Writing fluids. W. A. Sheaffer Pen Company. 548,851, Sept. 25; Serial No. 528,078.

CLASS 12

Asphalt shingles. Johns-Manville Corporation. 548,686, Sept. 25; Serial No. 594,471, published May 22, 1951.
Awnings, Aluminum. Airflo Aluminum Awning Co. 548,758, Sept. 25; Serial No. 602,355, published May 29, 1951.
Awnings, canopies, and hoods, Rigid composition. R. N. Jones. 548,544, Sept. 25; Serial No. 561,019, published May 29, 1951.
Awnings, Metal. R. F. Kurtz. 548,602, Sept. 25; Serial No. 581,426, published June 26, 1951.
Awnings, Sheet metal. Shade-Master Aluminum Awning Corp. 548,587, Sept. 25; Serial No. 577,400, published June 26, 1951.
Construction materials. Haskelite Manufacturing Corporation. 548,722, Sept. 25; Serial No. 599,373, published May 29, 1951.
Door installations, Complete upward-acting. Crawford Door Company. 548,705, Sept. 25; Serial No. 596,560, published May 29, 1951.
Door installations, Complete upward-acting. Crawford Door Company. 548,706, Sept. 25; Serial No. 596,562, published May 29, 1951.
Flooring, Hardwood. E. L. Bruce Company. 548,700, Sept. 25; Serial No. 596,012, published May 29, 1951.
Gratings for flooring, stair treads, and catwalks. The Tri-Lok Company. 548,726, Sept. 25; Serial No. 599,667, published May 29, 1951.
Houses, Prefabricated. Sierra Homes Inc. 548,567, Sept. 25; Serial No. 572,131, published June 26, 1951.
Insulating jackets or wraps. Johns-Manville Corporation. 548,685, Sept. 25; Serial No. 594,470, published May 22, 1951.
Insulating plaster, Light weight. The Cleveland Gypsum Company. 548,549, Sept. 25; Serial No. 564,435, published May 29, 1951.
Insulating tapes. Johns-Manville Corporation. 548,684, Sept. 25; Serial No. 594,469, published May 22, 1951.
Laminated panels. Johns-Manville Corporation. 548,670, Sept. 25; Serial No. 593,415, published May 22, 1951.
Prefabricated dog-houses. A. M. Gant. 548,710, Sept. 25; Serial No. 597,604, published May 29, 1951.
Preparations for mixing with cement. H. Ruddick. 548,535, Sept. 25; Serial No. 537,631, published May 22, 1951.
Siding for walls of buildings. P. W. Bailey. 548,666, Sept. 25; Serial No. 593,098, published May 22, 1951.
Tiles, Plastic, and plastic slabs. American Brake Shoe Company. 548,648, Sept. 25; Serial No. 590,048, published June 26, 1951.
Window sash, Metal, metal window frames, metal window casements, etc. Corry-Jamestown Manufacturing Corp. 548,716, Sept. 25; Serial No. 598,244, published June 26, 1951.
Windows and window frame. J. Teruya. 548,771, Sept. 25; Serial No. 603,320, published May 29, 1951.
Windows, Metal, window frames, window screens, etc. General Bronze Corporation. 548,559, Sept. 25; Serial No. 569,182, published June 26, 1951.

CLASS 13

Containers for spraying water, Hand. The Plas-Tex Corporation. 548,871, Sept. 25; Serial No. 581,981.

CLASS 14

Cast rolls of ferrous metal. MacKintosh-Hemphill Company. 356,147, Apr. 12, 1938. Republished Sept. 25.
Steel in bars, blocks, blooms, etc. A. Milne & Co. 82,454, re-renewed June 27, 1951. O. G. Sept. 25.
Steels, Nonrusting corrosive-resisting free-machining. Bethlehem Steel Company. 284,576, renewed July 7, 1951. O. G. Sept. 25.

CLASS 15

Additive for fuels or oils. H. P. Klassen. 548,725, Sept. 25; Serial No. 599,638, published June 19, 1951.
Gasoline. The Atlantic Refining Company. 548,812, Sept. 25; Serial No. 605,087, published June 19, 1951.
Greases, Lubricating. Merco Nordstrom Valve Company. 288,911, renewed Nov. 10, 1951. O. G. Sept. 25.
Motor oil. Automobile Dealers Associates, Inc. 548,810, Sept. 25; Serial No. 604,896, published June 19, 1951.
Oils and greases, Lubricating. Tide Water Oil Co. 83,791, re-renewed Oct. 10, 1951. O. G. Sept. 25.
Oils and greases, Lubricating. Tide Water Oil Company. 288,099, renewed Oct. 20, 1951. O. G. Sept. 25.
Petroleum and products of petroleum, mineral wax, etc. Union Trading Company, Ltd. 548,627, Sept. 25; Serial No. 586,370, published June 12, 1951.

CLASS 16

Floor finishes, Clear sealing and protective. V. J. Vincent. 548,853, Sept. 25; Serial No. 531,063.
Insulating-varnishes. Standard Varnish Works. 37,362, re-renewed Nov. 26, 1951. O. G. Sept. 25.
Lacquers and waterproof resinous plastic wood and metal surface sealer and finish. Berry Brothers, Inc. 548,536, Sept. 25; Serial No. 557,992, published July 3, 1951.
Lakes and dry colors. Fine Colors Company. 548,736, Sept. 25; Serial No. 600,655, published June 12, 1951.
Paint enamels; oil paints, ready-mixed aluminum, bronze, and gold oil paints, etc. The Artcraft Manufacturing Co. 548,863, Sept. 25; Serial No. 565,099.
Paint, House, varnish, spar varnish, etc. The Sargent-Gerke Co. 548,697, Sept. 25; Serial No. 595,742, published July 3, 1951.
Paint, One-coat flat wall. Mobile Paint Manufacturing Company of Delaware, Inc. 548,509, Sept. 25; Serial No. 538,430, published July 10, 1951.
Paint or similar type tint. Charles Nelson Specialties Co., Inc. 548,721, Sept. 25; Serial No. 599,254, published June 12, 1951.
Paint preparation, Aluminum. Steelcote Manufacturing Company. 548,872, Sept. 25; Serial No. 582,140.
Paint, Road marking. Hanline Bros. 548,531, Sept. 25; Serial No. 534,974, published July 10, 1951.
Paint, Wall. The Sargent-Gerke Co. 548,698, Sept. 25; Serial No. 595,744, published July 3, 1951.
Paints and finishes, Marine. John Lucas & Company, Inc. 548,541, Sept. 25; Serial No. 560,119, published June 12, 1951.
Paints, Liquid. Elliott Paint & Varnish Company. 548,502, Sept. 25; Serial No. 529,241, published July 10, 1951.
Paints, Liquid, liquid quick-drying paint-enamels, and varnishes. Elliott Paint & Varnish Company. 548,498, Sept. 25; Serial No. 522,194, published June 12, 1951.
Paints, Prepared, ready-mixed, oil, varnishes, paint enamels, etc. Hart and Burns, Incorporated. 548,852, Sept. 25; Serial No. 517,574.
Paints, Ready mixed house, and wood varnishes. Louisville Paint Manufacturing Company. 83,924, re-renewed Oct. 24, 1951. O. G. Sept. 25.
Paints, Semi-paste, ready mixed paints, flat paints, etc. Atlantic Paint & Varnish Works, Inc. 548,704, Sept. 25; Serial No. 596,473, published July 3, 1951.

Preparation for use in paints to prevent skinning. Allied Chemical & Dye Corporation. 548,727, Sept. 25; Serial No. 599,800, published July 3, 1951.
Silicone for paints, enamels, varnishes, and the like. Stuart-Nuard, Inc. 548,783, Sept. 25; Serial No. 603,653, published July 3, 1951.
Varnishes and lacquers. Enterprise Paint Manufacturing Company. 548,519, Sept. 25; Serial No. 546,288, published June 19, 1951.
Water and oil colors for artists. E. R. Kocher. 296,871, Aug. 23, 1932. New certificate. O. G. Sept. 25.
Wax-like material, Hard paste. The Simoniz Company. 548,858, Sept. 25; Serial No. 557,394.
Wood finishes. Berry Brothers, Inc. 548,537, Sept. 25; Serial No. 557,996, published July 3, 1951.

CLASS 17

Tobacco, Smoking and chewing, cigarettes, etc. Gallaher Limited. 282,696, renewed Apr. 28, 1951. O. G. Sept. 25.

CLASS 18

Adrenolytic and sympatholytic agent. Ciba Pharmaceutical Products, Inc. 548,793, Sept. 25; Serial No. 604,295, published June 12, 1951.
Analgesic preparation. Sharp & Dohme, Incorporated. 548,601, Sept. 25; Serial No. 581,290, published June 12, 1951.
Analgesic preparations. E. R. Squibb & Sons. 548,797, Sept. 25; Serial No. 604,602, published June 12, 1951.
Antacid preparation. G. S. Stoddard & Co., Inc. 548,563, Sept. 25; Serial No. 570,799, published June 26, 1951.
Antianemia preparations. American Cyanamid Company. 548,644, Sept. 25; Serial No. 589,413, published June 12, 1951.
Chili-tonics. Paris Medicine Co. 46,394, Sept. 19, 1905. Republished Sept. 25.
Cod-liver oil (plain). Scott & Bowne. 284,745, renewed July 7, 1951. O. G. Sept. 25.
Colchicine solution. Parke, Davis & Company. 548,603, Sept. 25; Serial No. 581,684, published June 12, 1951.
Containers made of gelatine or other suitable material containing individually measured doses of medicinal hormone preparations, Individual. Hoffmann-La Roche, Inc. 370,611, Aug. 29, 1939. Republished Sept. 25.
Dietary food supplement. W. F. Wilhelm. 548,526, Sept. 25; Serial No. 550,471, published June 12, 1951.
Estrogenic and progestogenic preparations, Combination of. Roche-Organon, Inc. 410,358, Nov. 21, 1944. Republished Sept. 25.
Estrogenic preparations. Roche-Organon, Inc. 411,247, Jan. 9, 1945. Republished Sept. 25.
Hormone preparation. Roche-Organon, Inc. 372,214, Oct. 24, 1939. Republished Sept. 25.
Internal medicine. The Anti-X Co. 548,650, Sept. 25; Serial No. 590,576, published June 12, 1951.
Liver fractions. Armour and Company. 548,568, Sept. 25; Serial No. 572,714, published Mar. 21, 1950.
Medical preparation. Clay Chemical Company, Inc. 548,864, Sept. 25; Serial No. 576,038.
Medical preparation. Gallia Laboratories, Inc. 548,746, Sept. 25; Serial No. 601,542, published June 12, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 548,751, Sept. 25; Serial No. 602,052, published June 19, 1951.
Medical preparation. Physicians and Hospitals Supply Company, Inc. 548,752, Sept. 25; Serial No. 602,058, published June 19, 1951.
Medical preparation. Roche-Organon, Inc. 365,440, Mar. 7, 1939. Republished Sept. 25.
Medical preparation. Roche-Organon, Inc. 365,442–6, Mar. 7, 1939. Republished Sept. 25.
Medical preparation. Roche-Organon, Inc. 440,869, Oct. 5, 1949. Republished Sept. 25.
Medicated lozenges. Hudson's Eumenthol Chemical Company Pty. Limited. 548,583, Sept. 25; Serial No. 576,329, published June 19, 1951.
Medicinal preparation. Eli Lilly and Company. 548,745, Sept. 25; Serial No. 601,447, published June 12, 1951.
Medicinal preparation. Organon Inc. 548,794, Sept. 25; Serail No. 604,467, published June 12, 1951.
Medicinal preparation. Roche-Organon, Inc. 361,309, Oct. 11, 1938. Republished Sept. 25.
Medicinal preparation. Roche-Organon, Inc. 368,103, June 6, 1939. Republished Sept. 25.
Medicinal preparation. Roche-Organon, Inc. 370,472, Aug. 29, 1939. Republished Sept. 25.
Medicinal preparation. Smith, Kline & French Laboratories. 548,782, Sept. 25; Serial No. 603,603, published June 12, 1951.
Medicinal preparation. The Upjohn Company. 548,611, Sept. 25; Serial No. 583,375, published June 12, 1951.
Medicinal preparations. Reed & Carnrick. 286,597, renewed Sept. 1, 1951. O. G. Sept. 25.
Medicinal tablet. Sutliff & Case Co., Inc. 548,593, Sept. 25; Serial No. 578,722, published June 12, 1951.
Medicine. Smith, Kline & French Laboratories. 548,614, Sept. 25; Serial No. 584,160, published June 12, 1951.
Medicine for the diseases of the nervous system. Smith, Kline & French Laboratories. 284,942, renewed July 14, 1951. O. G. Sept. 25.
Natural and synthetic essential oils, aromatic chemicals. Firmenich & Co. 548,767, Sept. 25; Serial No. 603,053, published July 10, 1951.
Ointment. W. Rupp. 548,774, Sept. 25; Serial No. 603,382, published June 12, 1951.
Parasiticide and antiseptic. Smith, Kline & French Laboratories. 548,642, Sept. 25; Serial No. 589,124, published June 12, 1951.
Petroleum jelly. Chesebrough Manufacturing Company, Consolidated. 286,262, renewed Aug. 25, 1951. O. G. Sept. 25.
Preparation used in the treatment of heart affections. The Paine Drug Company. 288,441, Oct. 27, 1931. Republished Sept. 25.
Salve. J. V. Chicon. 548,662, Sept. 25; Serial No. 592,193, published June 12, 1951.
Sympatholytic and adrenolytic agent. Smith, Kline & French Laboratories. 548,626, Sept. 25; Serial No. 586,367, published June 12, 1951.
Tonic. The Bovinine Company. 283,835, renewed June 9, 1951. O. G. Sept. 25.
Tonic. The Bovinine Company. 285,030, renewed July 14, 1951. O. G. Sept. 25.
Veterinary preparation, Liquid. Hancock & Hancock. 548,687, Sept. 25; Serial No. 594,540, published June 19, 1951.

CLASS 19

Trailers, Heavy-duty, chassis and bodies for trailers, etc. Reliance Trailer & Truck Co. Inc. 543,919, June 19, 1951. Corrected. O. G. Sept. 25.

CLASS 21

Cooker, Electric. Florence Stove Company. 286,199, renewed Aug. 18, 1951. O. G. Sept. 25.
Electrical fire and burglary alarm systems. O. T. Joy. 548,883, Sept. 25; Serial No. 589,449.
Electrical remote control, visual and audible signaling equipment, etc. Temporator Company. 284,370, renewed June 23, 1951. O. G. Sept. 25.
Tubes, Radio electron. Zenith Radio Corporation. 284,323, renewed June 23, 1951. O. G. Sept. 25.

CLASS 22

Baseball bats. Hillerich & Bradsby Co. 289,361–3, renewed Nov. 24, 1951. O. G. Sept. 25.
Bowling pins. The Brunswick-Balke-Collender Company. 548,845, Sept. 25; Serial No. 610,826, published July 10, 1951.
Doll, Mechanical. Tee-Chum Enterprises. 548,813, Sept. 25; Serial No. 605,180, published July 10, 1951.
Fish lure, Artificial. The Ross Bait Manufacturing Co. 548,842, Sept. 25; Serial No. 610,525, published July 10, 1951.
Fishing lines. B. F. Gladding & Co., Inc. 548,826, Sept. 25; Serial No. 606,606, published July 10, 1951.
Fishing rods. Uslan, Incorporated. 548,789, Sept. 25; Serial No. 603,868, published July 10, 1951.
Golf clubs. T. S. Park. 548,757, Sept. 25; Serial No. 602,331, published July 10, 1951.
Puzzle, Picture. J. Frechtmann. 548,882, Sept. 25; Serial No. 589,254.
Toy, Educational kindergarten. Childhood Interests, Inc. 548,833, Sept. 25; Serial No. 608,102, published July 10, 1951.
Toy kits for children. E. L. Ach. 548,838, Sept. 25; Serial No. 608,975, published July 10, 1951.
Toy pistols. W. Boyd. 548,821, Sept. 25; Serial No. 606,123, published July 10, 1951.
Toy shaving kits. E. L. Ach. 548,846, Sept. 25; Serial No. 612,037, published July 10, 1951.
Toy spinning tops, Bandalore. All Western Plastics, Inc. 548,830, Sept. 25; Serial No. 607,534, published July 10, 1951.
Toys. M. M. Martin. 548,894, Sept. 25; Serial No. 612,024.

CLASS 23

Adjustable supports for power-driven or gravity conveyors. The Rapids-Standard Company. 548,492, Sept. 25; Serial No. 508,919, published May 22, 1951.
Air and fluid compressors, Portable and stationary. Davey Compressor Company. 548,503, Sept. 25; Serial No. 530,067, published June 5, 1951.
Auger bits. Snell Manufacturing Company. 548,843, Sept. 25; Serial No. 610,590, published June 5, 1951.
Automatic control mechanisms. Mead Specialties Company, Inc. 548,579, Sept. 25; Serial No. 575,538, published June 5, 1951.
Automatic mechanically operated fire alarm. The Fyr-Fyter Company. 548,669, Sept. 25; Serial No. 593,406, published June 5, 1951.
Bearings and housings therefor, Antifriction. G. C. Van Pelt. 548,835, Sept. 25; Serial No. 608,725, published June 5, 1951.
Bending machines. McMath-Axilrod Corporation. 548,732, Sept. 25; Serial No. 600,299, published June 5, 1951.
Casings, Hot top. The Ferro Engineering Company. 288,791, renewed Nov. 3, 1951. O. G. Sept. 25.

Coin-operated machines. Juice Bar Corp. 545,469, July 24, 1951. New certificate. O. G. Sept. 25.
Conveyors, Vibrating, gyratory screens, etc. Simplicity Engineering Company. 548,574, Sept. 25; Serial No. 573,904, published June 5, 1951.
Gears. Pittsburgh Gear Company. 548,553, Sept. 25; Serial No. 567,122, published May 22, 1951.
Hand looms. W. G. Throop. 548,891, Sept. 25; Serial No. 604,342.
Hydraulic ram assembly. Orkil, Incorporated. 548,731, Sept. 25; Serial No. 600,141, published June 5, 1951.
Knife, Finger twine, and bench twine cutter. Handy Twine Knife Company. 548,550, Sept. 25; Serial No. 564,621, published May 22, 1951.
Knives, Pocket, razors, scissors, etc. Belknap Hardware & Manufacturing Company. 288,805, renewed Nov. 3, 1951. O. G. Sept. 25.
Lubricant-dispensing apparatus, Portable. Lincoln Engineering Company. 548,491, Sept. 25; Serial No. 506,326, published June 5, 1951.
Lubricating apparatus, Portable and stationary. Lincoln Engineering Company. 548,490, Sept. 25; Serial No. 500,991, published June 12, 1951.
Machines for automatically feeding blanks to paper box machines. High Production Machine Company, Inc. 548,646, Sept. 25; Serial No. 589,785, published June 5, 1951.
Metal and woodworking machinery, hand tools, etc. Aldens, Inc. 548,817–18, Sept. 25; Serial Nos. 605,777–8, published June 5, 1951.
Metal and woodworking machinery, hand tools, etc. Aldens, Inc. 548,819, Sept. 25; Serial No. 605,780, published June 5, 1951.
Pistons, Internal combustion engine. Thompson Products, Inc. 548,493, Sept. 25; Serial No. 512,353, published June 5, 1951.
Planting machines, Power driven bulb. Barnett & Wallis, Inc. 548,586, Sept. 25; Serial No. 576,951, published June 26, 1951.
Power driven earth tiller. E. R. Taylor. 548,737, Sept. 25; Serial No. 600,706, published June 26, 1951.
Pump, Rotary. Rockledge Mfg. Co. 548,841, Sept. 25; Serial No. 610,463, published June 5, 1951.
Pumping apparatus. American-Marsh Pumps, Inc. 548,870, Sept. 25; Serial No. 579,731.
Pumps, Water. Barnes Manufacturing Co. 548,556, Sept. 25; Serial No. 568,926, published June 5, 1951.
Shovels, Wheel-mounted, lifting cranes, clamshells, etc. Link-Belt Speeder Corporation. 548,728, Sept. 25; Serial No. 599,881, published June 5, 1951.
Sweepers, Carpet. Bissell Carpet Sweeper Company. 283,810, renewed June 9, 1951. O. G. Sept. 25.
Tool, Belt applying. Engard Brothers. 548,896, Sept. 25; Serial No. 579,587.
Tool, Hand assembly. Flexible Steel Lacing Company. 548,867, Sept. 25; Serial No. 575,980.
Tools, Hand. New York Merchandise Co., Inc. 548,834, Sept. 25; Serial No. 608,617, published June 5, 1951.
Tractors, Motor driven garden. Coates Mfg. Co. 548,857, Sept. 25; Serial No. 554,099.
Trimming boards. L. B. Johnson. 548,820, Sept. 25; Serial No. 605,956, published June 26, 1951.
Trowels and saws. H. V. Matz. 548,840, Sept. 25; Serial No. 609,306, published June 5, 1951.
Trowels and weeders, Hand. S. L. Allen & Co., Inc. 289,339, renewed Nov. 24, 1951. O. G. Sept. 25.
Tweezers, barber scissors, house scissors, etc. Schnefel Bros., Inc. 286,717, renewed Sept. 1, 1951. O. G. Sept. 25.
Vending machines. The G. B. Macke Corporation. 548,571, Sept. 25; Serial No. 573,190, published June 5, 1951.
Washers, Wedge shaped. Warren Dado Sawing Washer Co. 548,893, Sept. 25; Serial No. 609,012.

CLASS 26

Adjustable perpetual calendar. The Bates Manufacturing Company. 548,866, Sept. 25; Serial No. 574,082.
Camera lenses. Paillard Products, Inc. 548,839, Sept. 25; Serial No. 609,253, published June 12, 1951.
Cameras. Ercona Camera Corporation. 548,823, Sept. 25; Serial No. 606,421, published May 29, 1951.
Chart used to measure the consistency or viscosity of fruit preserves, etc. National Preservers Association. 548,884, Sept. 25; Serial No. 594,567.
Coin changing and dispensing mechanism. W. F. Read. 548,831, Sept. 25; Serial No. 607,560, published June 5, 1951.
Gages, Dial indicating, snap gages, etc. Standard Gage Company, Inc. 548,540, Sept. 25; Serial No. 559,436, published Feb. 27, 1951.
Glasses for viewing television screens. Bausch & Lomb Optical Company. 548,844, Sept. 26; Serial No. 610,732, published June 19, 1951.
Instruments for recording a graphical record of water level and temperature changes. Consolidated Ashcroft Hancock Company. 289,412, renewed Nov. 24, 1951. O. G. Sept. 25.
Motion picture film. Turfvision. 548,832, Sept. 25; Serial No. 607,877, published June 5, 1951.
Photographic film. Du Pont Pathé Film Manufacturing Corporation. 286,783, Sept. 1, 1931. Republished Sept. 25.
Photographic kit, Child's. Howard Products Co. 548,874, Sept. 25; Serial No. 585,024.
Projector screen. Picture Recording Company. 548,864, Sept. 25; Serial No. 568,975.
Spectacle cases. L. Spier. 548,880, Sept. 25; Serial No. 588,903.
Sun glasses, goggles, and eye-glass frames. Columbia Protektosite Co. Inc. 548,860, Sept. 25; Serial No. 557,904.
Testing candle to detect presence of escaping gases from refrigeration equipment. Meed Engineering Corporation. 548,836, Sept. 25; Serial No. 608,877, published June 5, 1951.
Thermostats, Bellows type. Robertshaw-Fulton Controls Company. 548,837, Sept. 25; Serial No. 608,950, published June 12, 1951.

CLASS 27

Mainsprings for watches. Elgin National Watch Company. 82,140, re-renewed June 6, 1951. O. G. Sept. 25.
Watchcases and watch-movements. Illinois Watch Case Co. 82,235–6, re-renewed June 13, 1951. O. G. Sept. 25.
Watchcases and watch-movements. Illinois Watch Case Co. 82,890, re-renewed Aug. 1, 1951. O. G. Sept. 25.
Watchcases and watch-movements. Illinois Watch Case Co. 83,256, re-renewed Aug. 29, 1951. O. G. Sept. 25.

CLASS 29

Brushes. J. Teruya. 548,772, Sept. 25; Serial No. 603,321, published July 3, 1951.
Window cleaning devices. Marvel Window Cleaner Incorporated. 288,321, renewed Oct. 27, 1951. O. G. Sept. 25.

CLASS 32

Cushioning supports and fillers in upholstered furniture. The Sponge Rubber Products Company. 444,240, Sept. 26, 1950. Republished Sept. 25.
Furniture. Johnson-Carper Furniture Company, Incorporated. 548,862, Sept. 25; Serial No. 562,861.
Seat covers, Tailored. The S. E. Hyman Company. 311,489, Mar. 27, 1934. Republished Sept. 25.
Seat for dentists, barbers, etc., Adjustable. McCaldry, Inc. 548,856, Sept. 25; Serial No. 546,116.
Window shade. The Seinsheimer Paper Co. 289,234, renewed Nov. 24, 1951. O. G. Sept. 25.
Window-shades. Hees, Macfarlane & Co. 36,551, renewed June 11, 1951. O. G. Sept. 25.

CLASS 34

Stokers, Coal-burning, and parts therefor. Cotta Transmission Corporation. 283,901–2, renewed June 9, 1951. O. G. Sept. 25.
Ventilators to remove from stoves and ranges smoke and food odors. Thompson-Winchester Company, Inc. 548,881, Sept. 25; Serial No. 589,926.

CLASS 35

Tires, Pneumatic. Lee Rubber and Tire Corporation. 548,811, Sept. 25; Serial No. 605,041, published July 10, 1951.

CLASS 36

Musical instruments. Stoffel Seals Corporation. 548,861, Sept. 25; Serial No. 559,187.
Phonograph needles. M. A. Miller Manufacturing Company. 548,888, Sept. 25; Serial No. 601,936.
Phonograph records, Mechanically grooved. Standard Phono Corporation. 548,505, Sept. 25; Serial No. 534,830, published Jan. 24, 1950.

CLASS 37

Binders, Loose leaf, and index cards and guides. Western Tablet & Stationery Corporation. 444,573, Sept. 25; Serial No. 526,148, published May 29, 1951.
Bookmarks, Plastic. Armstrong Products Company. 548,620, Sept. 25; Serial No. 585,781, published June 12, 1951.
Paper, Blotting. The Wrenn Paper Company. 548,518, Sept. 25; Serial No. 545,925, published June 12, 1951.
Paper, Bond. Butler Paper Corporations. 548,512, Sept. 25; Serial No. 540,516, published June 5, 1951.
Paper file clips. The Dura-Clip Co. 548,742, Sept. 25; Serial No. 601,099, published May 29, 1951.
Paper guards. Tillery Container Company. 548,873, Sept. 25; Serial No. 582,194.
Paper hand towels. A. G. Verdolyack, Inc. 548,890, Sept. 25; Serial No. 602,788.
Paper, Safety. Gurney Security Paper Company, Inc. 548,572, Sept. 25; Serial No. 573,765, published Apr. 24, 1951.
Paper, Wall. Stamford Wall Paper Company. 548,887, Sept. 25; Serial No. 599,461.
Paper, Writing, printing, and wrapping. Parsons & Whittemore, Incorporated. 548,522, Sept. 25; Serial No. 547,361, published June 12, 1951.

Pencils, Lead. Eagle Pencil Company. 287,472, renewed Sept. 29, 1951. O. G. Sept. 25.
Pencils, Writing and drawing, steel pens, etc. Eagle Pencil Company. 83,822, re-renewed Oct. 17, 1951. O. G. Sept. 25.
Pens, Fountain. Flo-Ball Pen Corporation. 548,886, Sept. 25; Serial No. 594,767.

CLASS 39

Belts. Anson Incorporated. 548,885, Sept. 25; Serial No. 594,684.
Bibs, Babies' and children's. R. E. Woods. 548,658, Sept. 25; Serial No. 591,824, published June 26, 1951.
Blouses and dresses, Women's and children's, infants' dresses, etc. 548,661, Sept. 25; Serial No. 592,063, published June 26, 1951.
Boots and shoes. The Juvenile Shoe Corporation of America. 285,408, renewed July 28, 1951. O. G. Sept. 25.
Brassières. Gem-Dandy, Inc. 548,805, Sept. 25; Serial No. 604,776, published July 3, 1951.
Caps, Swim and shower. Dandon Sales, Inc. 444,570, Sept. 25; Serial No. 521,114, published June 5, 1951.
Clothing, Men's and boys'. J. C. Penney Company. 548,659, Sept. 25; Serial No. 592,836, published June 12, 1951.
Collars and negligee and dress shirts. Cluett, Peabody & Co. Inc. 548,770, Sept. 25; Serial No. 603,287, published June 5, 1951.
Dresses, evening gowns, skirts, etc., Women's, misses', children's and infants'. I. Magnin & Co. 548,622, Sept. 25; Serial No. 586,056, published July 3, 1951.
Dresses, skirts, shorts, etc., Women's and girls'. Cha-Cha Town. 548,679, Sept. 25; Serial No. 594,358, published June 5, 1951.
Girdles and panties. Silk Skin Inc. 548,815, Sept. 25; Serial No. 605,446, published July 3, 1951.
Gloves and mittens. The Boss Manufacturing Company. 548,539, Sept. 25; Serial No. 558,455, published July 10, 1951.
Gloves, Leather faced fabric workmen's. Indianapolis Glove Company. 548,528, Sept. 25; Serial No. 554,119, published Jan. 2, 1951.
Hair nets, neckerchiefs and cummerbunds. Jet Knitting Mills, Inc. 548,730, Sept. 25; Serial No. 599,951, published July 3, 1951.
Halters, Women's strapless. Queen Knitting Mills. 548,613, Sept. 25; Serial No. 584,012, published July 10, 1951.
Hat bodies. Henry Pollak, Inc. 548,617, Sept. 25; Serial No. 594,835 published June 5, 1951.
Hats. Hat Corporation of America. 548,790, Sept. 25; Serial No. 603,924, published June 12, 1951.
Hats and caps. C. T. Hall. 548,696, Sept. 25; Serial No. 595,692, published June 5, 1951.
Hats, Ladies' and children's. Consolidated Millinery Company. 548,712, Sept. 25; Serial No. 597,874, published June 5, 1951.
Hats, Men's. Hutt & Wasserman, Inc. 548,555, Sept. 25; Serial No. 568,506, published June 5, 1951.
Hats, Men's. Joseph Kanner Hat Co., Inc. 548,494, Sept. 25; Serial No. 515,430, published July 10, 1951.
Hosiery. Galatex Co. Inc. 548,649, Sept. 25; Serial No. 590,433, published June 26, 1951.
Hosiery. A. J. Leff. 328,619, Oct. 1, 1935. Republished Sept. 25.
Hosiery. McCrory Stores Corporation. 548,557, Sept. 25; Serial No. 568,967, published June 26, 1951.
Hosiery. Nomend Hosiery Mills, M. B. Laubach Co. Inc. 283,125, renewed May 19, 1951. O. G. Sept. 25.
Hosiery, Boys' and girls'. Bear Brand Hosiery Co. 548,643, Sept. 25; Serial No. 589,374, published July 10, 1951.
Hosiery, Ladies'. S. Fink. 548,514, Sept. 25; Serial No. 543,157, published July 10, 1951.
Hosiery, Ladies'. Joseph A. Katz Company. 548,500, Sept. 25; Serial No. 526,242, published July 3, 1951.
Hosiery, Men's, women's and children's. Pilot Full Fashion Mills, Inc. 548,741, Sept. 25; Serial No. 601,075, published July 3, 1951.
Hosiery, Women's. Burlington Mills Corporation. 548,759, Sept. 25; Serial No. 602,361, published June 26, 1951.
Hosiery, Women's. Glen Raven Knitting Mills, Inc. 548,743, Sept. 25; Serial No. 601,322, published July 3, 1951.
Hosiery, Women's. Holeproof Hosiery Co. 548,616, Sept. 25; Serial No. 584,452, published June 26, 1951.
Hosiery, Women's and misses'. Cressida, Inc. 548,749, Sept. 25; Serial No. 601,821, published June 26, 1951.
Millinery. L. A. Carney. 548,598, Sept. 25; Serial No. 579,479, published June 5, 1951.
Neckties and scarfs, Men's. Wembley, Inc. 548,786, Sept. 25; Serial No. 603,753, published June 12, 1951.
Neckwear. Paramount Cravat Co., Inc. 548,855, Sept. 25; Serial No. 542,874.
Outerwear, etc., Men's, women's, and children's. Supacut Garments Limited. 548,717, Sept. 25; Serial No. 594,510, published June 5, 1951.
Panties, Ladies'. S. & S. Underwear Manufacturing Corp. 548,534, Sept. 25; Serial No. 556,819, published July 3, 1951.
Panties, vests, and slips, Children's. Lees Manufacturing Co. 548,878, Sept. 25; Serial No. 587,958.
Panties, Women's. Lees Manufacturing Co. 548,877, Sept. 25; Serial No. 587,957.
Pocket, Fabric. R. F. Alt. 548,859, Sept. 25; Serial No. 557,580.
Raincoats. The Alligator Company. 288,723, renewed Nov. 3, 1951. O. G. Sept. 25.
Ready-to-wear goods. Ben Wolfman, Inc. 548,651, Sept. 25; Serial No. 590,726, published June 5, 1951.
Shirts, Men's and boys' dress, sport, and work. Ely & Walker Dry Goods Company. 548,672, Sept. 25; Serial No. 593,534, published May 8, 1951.
Shirts, Men's dress. The Manhattan Shirt Company. 548,733, Sept. 25; Serial No. 600,343, published May 22, 1951.
Shirts, Men's outer dress, work, and sport, pajamas and neckties. Phillips-Jones Corporation. 444,572, Sept. 25; Serial No. 525,941, published June 5, 1951.
Shirts, outer sport shirts, outer work shirts, etc., Men's and boys' dress. Phillips-Jones Corporation. 548,791, Sept. 25; Serial No. 604,023, published June 12, 1951.
Shirts, Polo, and sweaters for women and girls. Roosevelt Mills, Inc. 548,691, Sept. 25; Serial No. 594,920, published June 5, 1951.
Shirts, Sport, and jacket shirts. Siskind's Tailoring Co., Inc. 548,637, Sept. 25; Serial No. 588,326, published June 5, 1951.
Shoes, Ladies'. J. S. Rimler. 548,869, Sept. 25; Serial No. 578,166.
Shoes, Leather and rubber. J. K. Orr Shoe Company. 285,140, renewed July 14, 1951. O. G. Sept. 25.
Slacks, overalls, overall union suits, etc., Boys'. Hortex Manufacturing Co. Inc. 548,707, Sept. 25; Serial No. 596,921, published May 22, 1951.
Stoles. Schwartz-Mickity, Inc. 548,778, Sept. 25; Serial No. 603,462, published June 5, 1951.
Suits, Men's and boys', men's, women's, and boys' topcoats, overcoats, etc. Lamm Brothers, Inc. 548,562, Sept. 25; Serial No. 570,056, published June 5, 1951.
Suits, Play, slacks, sun suits, etc. Valmy Garment Company, Inc. 548,816, Sept. 25; Serial No. 605,541, published July 3, 1951.
Suits, topcoats, overcoats, and sport coats, Men's and boys'. Venjamin's, Inc. 548,892, Sept. 25; Serial No. 605,941.
Suspenders and braces. George Frost Company. 288,677, renewed Nov. 3, 1951. O. G. Sept. 25.
Sweat bands. Druesding Brothers Company. 289,378, renewed Nov. 24, 1951. O. G. Sept. 25.
Sweaters. Glasgo Limited, Inc. 548,676, Sept. 25; Serial No. 594,040, published June 26, 1951.
T-shirts, outer shorts, garden coats, Women's and misses', etc. Artistic Foundations, Inc. 548,607, Sept. 25; Serial No. 582,514, published July 3, 1951.
Undershirts, pajamas, under shorts, etc. Mercantile Stores Company, Inc. 548,639, Sept. 25; Serial No. 588,503, published July 3, 1951.
Underwear. Luxite Silk Products Co. 289,729, renewed Dec. 1, 1951. O. G. Sept. 25.
Underwear, Knit and woven, and children's sleepers. P. H. Hanes Knitting Company. 548,854, Sept. 25; Serial No. 531,470.
Uniforms, Nurses', uniform dresses, house dresses, etc. L. M. Cooper. 289,092, renewed Nov. 17, 1951. O. G. Sept. 25.
Wearing apparel, Men's and boys'. The M. Conley Company. 548,720, Sept. 25; Serial No. 599,155, published June 5, 1951.
Wearing apparel, Women's. Lindy Joan, Inc. 548,713, Sept. 25; Serial No. 597,889, published July 3, 1951.

CLASS 40

Beads. Elliot, Greene & Co. Inc. 548,734, Sept. 25; Serial No. 600,474, published July 3, 1951.
Belt trimmings, slipper buckles, slides, and ornaments, etc. North & Judd Manufacturing Company. 231,036, Aug. 9, 1927. Republished Sept. 25.
Finger moistener to be used as a sewing aid. E. Jaffe. 548,561, Sept. 25; Serial No. 569,853, published July 3, 1951.
Hair curling devices, Non-electric, bobby pins, hair combs, etc. G. Kramer. 548,879, Sept. 25; Serial No. 588,176.

CLASS 41

Umbrellas. International Umbrella Supply Corporation, Inc. 548,689, Sept. 25; Serial No. 594,644, published July 3, 1951.

CLASS 42

Bedspreads. Bates Manufacturing Company. 296,006, July 19, 1932. Republished Sept. 25.
Bedspreads. Bates Manufacturing Company. 340,786, Nov. 24, 1936. Republished Sept. 25.
Bedspreads. Bates Manufacturing Company. 417,084, Oct. 16, 1945. Republished Sept. 25.
Bedspreads. Bliss, Fabyan & Company. 236,439, Dec. 13, 1927. Republished Sept. 25.
Bedspreads and draperies. Bates Manufacturing Company. 410,273, Nov. 21, 1944. Republished Sept. 25.

Blankets. Beacon Manufacturing Company. 548,657, Sept. 25; Serial No. 591,345, published June 26, 1951.
Broadcloth. Riverside & Dan River Cotton Mills, Inc. 288,858, renewed Nov. 10, 1951. O. G. Sept. 25.
Broadcloth. J. P. Stevens & Co. Inc. 287,577, renewed Sept. 29, 1951. O. G. Sept. 25.
Curtains, Shower and window. S. M. Ettinger Company. 548,665, Sept. 25; Serial No. 592,988, published July 3, 1951.
Draperies. J. E. Wilkins. 548,581, Sept. 25; Serial No. 575,880, published June 26, 1951.
Fabric, All cotton. Hirsch Fabrics Corporation. 548,631, Sept. 25; Serial No. 587,030, published June 26, 1951.
Fabrics. Celanese Corporation of America. 289,539–40, renewed Dec. 1, 1951. O. G. Sept. 25.
Fabrics. Celanese Corporation of America. 289,566, renewed Dec. 1, 1951. O. G. Sept. 25.
Fabrics. Celanese Corporation of America. 289,664–6, renewed Dec. 1, 1951. O. G. Sept. 25.
Fabrics. Harry Goldinger Textile Corporation. 548,524, Sept. 25; Serial No. 549,729, published June 26, 1951.
Fabrics, Bed, bedspreads, etc. West Point Manufacturing Company. 284,760, July 7, 1931. Republished Sept. 25.
Fabrics in the piece. Deering, Milliken & Company, Inc. 548,641, Sept. 25; Serial No. 588,942, published June 26, 1951.
Fabrics in the piece. The United Piece Dye Works. 548,653, Sept. 25; Serial No. 591,122, published July 3, 1951.
Fabrics in the piece, Textile. Burlington Mills Corporation. 548,675, Sept. 25; Serial No. 594,019, published July 3, 1951.
Fabrics, Lining. Gloversville Knitting Company. 548,747, Sept. 25; Serial No. 601,614, published July 3, 1951.
Fabrics, Rayon. National Mallinson Fabrics Corporation. 548,822, Sept. 25; Serial No. 606,313, published June 26, 1951.
Fabrics, Textile. Burlington Mills Corporation. 548,735, Sept. 25; Serial No. 600,532, published July 3, 1951.
Fabrics, Textile. Burlington Mills Corporation. 548,740, Sept. 25; Serial No. 601,019, published July 3, 1951.
Fabrics, Textile. Burlington Mills Corporation. 548,827, Sept. 25; Serial No. 606,695, published June 26, 1951.
Fabrics, Textile. Burlington Mills Corporation. 548,828, Sept. 25; Serial No. 606,697, published June 26, 1951.
Fabrics, Waterproofed textile. York Manufacturing Company. 245,467, Aug. 14, 1928. Republished Sept. 25.
Fabrics, Woven. Botany Worsted Mills. 326,859, Aug. 6, 1935. Republished Sept. 25.
Fabrics, Woven and knitted. Botany Worsted Mills. 284,694, renewed July 7, 1951. O. G. Sept. 25.
Piece goods. Clearwater Finishing Company. 548,584, Sept. 25; Serial No. 576,849, published July 3, 1951.
Piece goods. Weiss Friedman Co. 548,495, Sept. 25; Serial No. 519,427, published June 26, 1951.
Piece goods, Cotton. Bates Manufacturing Company. 86,025, Apr. 9, 1912. Republished Sept. 25.
Piece goods, Cotton. Bates Manufacturing Company. 125,958, July 22, 1919. Republished Sept. 25.
Piece goods, Cotton. Bliss, Fabyan & Company. 78,575, June 28, 1910. Republished Sept. 25.
Piece goods, Cotton, rayon and woolen, and textile fabrics. Brenda Fabrics, Inc. 548,511, Sept. 25; Serial No. 540,373, published July 3, 1951.
Piece goods, Textile. American Silk Mills Inc. 548,523, Sept. 25; Serial No. 549,105, published July 3, 1951.
Piece goods, Woolen. Botany Worsted Mills. 284,870, renewed July 7, 1951. O. G. Sept. 25.
Piece goods, Woolen. Botany Worsted Mills. 285,518–20, renewed July 28, 1951. O. G. Sept. 25.
Piece goods, Woolen. Forstmann Woolen Co. 548,825, Sept. 25; Serial No. 606,603, published June 26, 1951.
Piece goods, Woolen cloth. Old Bennington Weavers, Inc. 548,865, Sept. 25; Serial No. 570,573.
Plastic film in the piece. Toscony Fabrics, Inc. 548,586, Sept. 25; Serial No. 577,695, published July 3, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 548,545, Sept. 25; Serial No. 561,491, published June 26, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 548,546, Sept. 25; Serial No. 561,493, published July 3, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 548,547, Sept. 25; Serial No. 561,496, published July 3, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 548,599, Sept. 25; Serial No. 581,026, published July 3, 1951.
Rugs, Textile. F. B. Cooper. 548,701, Sept. 25; Serial No. 596,015, published July 3, 1951.
Rugs, Textile, carpets, carpeting, etc. The May Department Stores Company. 548,577, Sept. 25; Serial No. 574,443, published July 3, 1951.
Sheetings, Cotton, sheets, pillow cases and quilts. Androscoggin Mills. 185,509, June 17, 1924. Republished Sept. 25.
Sheets and pillow cases. Bates Manufacturing Company. 382,964, Nov. 19, 1940. Republished Sept. 25.
Sheets and pillow cases. S. Schafran & Co., Inc. 548,663, Sept. 25; Serial No. 592,339, published July 3, 1951.
Sheets, pillow cases, blankets, etc. Kresge-Newark, Inc. 548,677, Sept. 25; Serial No. 594,177, published July 3, 1951.
Sheets, Textile, and pillow cases. Androscoggin Mills. 231,272, Aug. 16, 1927. Republished Sept. 25.
Tablecloths, towels, sheets, etc. R. H. Macy & Co., Inc. 548,673, Sept. 25; Serial No. 593,878, published July 3, 1951.
Table covers, Card. R. E. Gardner. 548,824, Sept. 25; Serial No. 606,525, published July 3, 1951.
Towels, Industrial wiping, and fabric squares. Bags, Inc. 548,578, Sept. 25; Serial No. 575,116, published July 3, 1951.

CLASS 43

Yarn, Inflated rayon. The Hartford Rayon Corporation. 548,744, Sept. 25; Serial No. 601,435, published July 3, 1951.

CLASS 44

Artificial limbs. Natural Action Limb Corporation. 548,589, Sept. 25; Serial No. 578,094, published June 19, 1951.
Finger nail covers. R. Leon. 548,680, Sept. 25; Serial No. 594,387, published June 26, 1951.
Home cold wave kit. Lee Pharmacal Co. 548,814, Sept. 25; Serial No. 605,313, published June 12, 1951.
Inhaler. A. Falcone. 548,729, Sept. 25; Serial No. 599,935, published June 26, 1951.
Inhalers. E. R. Squibb & Sons. 548,570, Sept. 25; Serial No. 573,149, published June 19, 1951.
Instrument for imparting rays to the human body, Electrical. The Electronic Instrument, Inc. 548,597, Sept. 25; Serial No. 579,312, published June 26, 1951.
Moist heat electrical fomentation pads. Ottawa Therapeutic Appliances, Inc. 548,692, Sept. 25; Serial No. 595,148, published June 26, 1951.
Respirators and parts thereof. Willson Products, Inc. 548,703, Sept. 25; Serial No. 596,060, published July 3, 1951.
Respirators, Chest, cuirasses and air pumps for chest respirators, etc. Fairchild Camera and Instrument Corporation. 548,695, Sept. 25; Serial No. 595,659, published July 3, 1951.
Stereoscopic instruments. C. W. Ott. 548,702, Sept. 25; Serial No. 596,045, published June 26, 1951.
Sutures and ligatures. Ethicon Suture Laboratories Incorporated. 548,750, Sept. 25; Serial No. 601,985, published June 19, 1951.
Tray and clamp combination for use in providing dental fillings. The Columbus Dental Manufacturing Co. 548,628, Sept. 25; Serial No. 586,623, published June 26, 1951.

CLASS 46

Alimentary paste products. Grocery Store Products Co. 548,640, Sept. 25; Serial No. 588,577, published July 10, 1951.
Apples, Fresh. Yakima Fruit & Cold Storage Co. 548,615, Sept. 25; Serial No. 584,211, published July 3, 1951.
Bacon. Armour and Company. 548,510, Sept. 25; Serial No. 540,140, published July 3, 1951.
Bread. Grocers Baking Company, Inc. 548,496, Sept. 25; Serial No. 520,700, published Nov. 29, 1949.
Bread, cakes, and pies. L. Storck. 289,742, renewed Dec. 1, 1951. O. G. Sept. 25.
Butter, cheese, milkpowder, etc. Friesche Coöperatieve Zuivel-Export-Vereeniging. 548,612, Sept. 25; Serial No. 583,993, published June 5, 1951.
Candles. Martha Washington Candles Company. 281,420, renewed Mar. 17, 1951. O. G. Sept. 25.
Candy. The Bradley, Smith Co. 287,879, renewed Oct. 13, 1951. O. G. Sept. 25.
Candy. The Great Atlantic and Pacific Tea Company. 289,058, renewed Nov. 17, 1951. O. G. Sept. 25.
Candy. Jianas Bros. Candy Co. 548,507, Sept. 25; Serial No. 536,904, published May 29, 1951.
Candy. Stephen F. Whitman & Son, Inc. 548,799, Sept. 25; Serial No. 604,675, published July 10, 1951.
Candy, Chocolate. W. F. Schrafft & Sons Corporation. 284,159, renewed June 16, 1951. O. G. Sept. 25.
Canned cat food. The French Sardine Company of California. 548,761, Sept. 25; Serial No. 602,551, published June 5, 1951.
Canned cream of pea soup; canned consomme madrilene; etc. College Inn Food Products Company. 548,575, Sept. 25; Serial No. 573,920, published July 3, 1951.
Canned fruit. Rex B. Clark. 288,142, renewed Oct. 20, 1951. O. G. Sept. 25.
Canned fruit juices, fresh deciduous fruits, etc. Di Giorgio Fruit Corporation. 548,629, Sept. 25; Serial No. 586,737, published June 5, 1951.
Canned fruits. Frank M. Wilson Company. 548,792, Sept. 25; Serial No. 604,056, published July 3, 1951.
Canned fruits and canned vegetables. O. R. Pieper Company. 288,974, renewed Nov. 10, 1951. O. G. Sept. 25.
Canned fruits, berries and vegetables. Ariston Canning Co. 548,585, Sept. 25; Serial No. 576,949, published July 3, 1951.

Canned sardines, anchovies, and tunny fish. Algarve Exportador, Lda. 548,515, Sept. 25; Serial No. 544,019, published June 5, 1951.
Canned sausage. Emery Food Company. 289,201, renewed Nov. 24, 1951. O. G. Sept. 25.
Canned tomatoes. M. De Rosa. 286,431, renewed Aug. 25, 1951. O. G. Sept. 25.
Canned vegetables. Northwest Packing Co. 548,756, Sept. 25; Serial No. 602,328, published June 5, 1951.
Canned vegetables, citrus fruit juices, vegetable juices, etc. Ehrhart-Conrad Company. 548,497, Sept. 25; Serial No. 521,003, published July 10, 1951.
Canned vegetables, citrus fruit juices, vegetable juices, etc. Ehrhart-Conrad Company. 548,569, Sept. 25; Serial No. 572,843, published July 3, 1951.
Cherries, onions, mustard, etc., Bottled. Knight Packing Company. 388,209, June 17, 1941. Republished Sept. 25.
Chewing gum. J. W. Bowman. 283,963, renewed June 9, 1951. O. G. Sept. 25.
Chutney and chutney sauce. J. A. Sharwood & Co. Limited. 542,926, May 29, 1951. Corrected. O. G. Sept. 25.
Coffee. Winston and Newell Company. 548,521, Sept. 25; Serial No. 546,809, published July 10, 1951.
Corn oil and peanut oil, blended with olive oil. Cimino Bros., Inc. 548,766, Sept. 25; Serial No. 603,049, published June 19, 1951.
Dairy stock and poultry feeds. Maritime Milling Co. Inc. 548,499, Sept. 25; Serial No. 525,359, published May 23, 1950.
Feed, Horse and mule, dairy feed. Lone Star Elevators. 548,543, Sept. 25; Serial No. 561,004, published June 19, 1951.
Feed, Poultry and livestock. D. Glesby. 548,875, Sept. 25; Serial No. 585,095.
Feeds, Dairy, stock and poultry, and dog food, etc. Maritime Milling Co., Inc. 421,114, May 21, 1946. Republished Sept. 25.
Feeds, Livestock. The Buckeye Cotton Oil Company 548,647, Sept. 25; Serial No. 589,820, published July 10, 1951.
Fish, Preserved. Societe Anonyme "Ostendia." 548,638, Sept. 25; Serial No. 588,327, published July 3, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 548,527, Sept. 25; Serial No. 351,235, published May 1, 1951.
Flour, Wheat, self-rising flour, etc. The Arnold Milling Company. 284,248, renewed June 23, 1951. O. G. Sept. 25.
Food preparation, Liquid. Mead Johnson & Company. 548,610, Sept. 25; Serial No. 583,093, published July 10, 1951.
Fruits, Dried. F. A. Schneider. 286,421, renewed Aug. 25, 1951. O. G. Sept. 25.
Fruits, Fresh. Harry and David. 435,635, Jan. 6, 1948. Republished Sept. 25.
Fruits, Fresh citrus. Corona Citrus Association. 548,508, Sept. 25; Serial No. 537,569, published July 3, 1951.
Grapes, Fresh, and fresh deciduous fruits. Lamanuzzi and Pantaleo. 548,809, Sept. 25; Serial No. 604,851, published July 3, 1951.
Ice cream confection. I. C. Parker. 286,742, renewed Sept. 1, 1951. O. G. Sept. 25.
Juices, Vegetable. Nielsen Packing Company. 279,766, renewed Jan. 20, 1951. O. G. Sept. 25.
Lettuce, Fresh, and fresh cantaloupes. O. R. Recker. 548,798, Sept. 25; Serial No. 604,661, published July 10, 1951.
Macaroni. Prince Macaroni Manufacturing Company. 548,645, Sept. 25; Serial No. 589,527, published June 5, 1951.
Mixture containing flour and other ingredients. Mrs. Bain. 283,025, May 12, 1931. Republished Sept. 25.
Mustard. V. K. Kedrovich. 288,372, renewed Oct. 27, 1951. O. G. Sept. 25.
Oleomargarine. Challenge Cream & Butter Association. 548,636, Sept. 25; Serial No. 588,079, published July 3, 1951.
Olive oil. Barton & Guestier. 287,020, renewed Sept. 8, 1951. O. G. Sept. 25.
Olive oil. Manuel Pedrol, Sociedad Anonima. 548,525, Sept. 25; Serial No. 550,066, published July 10, 1951.
Pears, plums, peaches, Gift package consisting of fresh, etc. Day & Young. 548,576, Sept. 25; Serial No. 573,928, published June 19, 1951.
Salt, Table. Jefferson Island Salt Company. 548,876, Sept. 25; Serial No. 586,088.
Syrup, Table. The Oakford Company. 548,501, Sept. 25; Serial No. 528,506, published July 3, 1951.
Syrups, Flavoring. G. G. Balch. 548,748, Sept. 25; Serial No. 601,817, published July 3, 1951.
Syrups, Table. Robinson Syrup Co. Inc. 548,532, Sept. 25; Serial No. 555,698, published Feb. 14, 1950.
Tea, ginger, grape preserves, etc. Stephen Leeman Products Company. 548,529, Sept. 25; Serial No. 554,235, published June 5, 1951.
Tomatoes, Fresh. Clyde's Fruit and Produce Co. 444,571, Sept. 25; Serial No. 523,374, published Mar. 29, 1949.
Vegetables, Frozen fresh. Santa Clara Frosted Foods Company. 548,618, Sept. 25; Serial No. 584,839, published May 22, 1951.
Vinegar, White wine, red wine vinegar, etc. Spice Islands Company. 548,889, Sept. 25; Serial No. 601,956.

CLASS 49

Cordial or liqueur. Congregation of the Chartreux. 83,988, re-renewed Oct. 31, 1951. O. G. Sept. 25.

CLASS 50

Brooders. Globe American Corporation. 288,564, renewed Nov. 3, 1951. O. G. Sept. 25.
Flags, banners, grave markers, etc. Veterans of Foreign Wars of the United States. 283,936, renewed June 9, 1951. O. G. Sept. 25.
Signs, Reflector. American Decalcomania Company, Inc. 548,504, Sept. 25; Serial No. 532,540, published June 12, 1951.

CLASS 51

Aromatic spirits of ammonia, bay rum, cascara aromatic laxative, etc. Northwestern Drug Company. 548,552, Sept. 25; Serial No. 566,395, published June 19, 1951.
"Bubble bath" preparation. Courtley, Ltd. 548,630, Sept. 25; Serial No. 586,961, published June 26, 1951.
Colognes, perfumes, perfumed body dusting powders, talcum powders, etc. Campana Sales Company. 525,455, May 23, 1950. New certificate. O. G. Sept. 25.
Colors for cosmetic purposes. Ansbacher-Siegle Corporation. 548,769, Sept. 25; Serial No. 603,100, published June 19, 1951.
Deodorant, Personal. Kay Daumit, Inc. 548,715, Sept. 25; Serial No. 597,947, published June 26, 1951.
Hair rinse, lotion for removing loose dandruff, hair dressing lotion, etc. R. Hudnut. 548,660, Sept. 25; Serial No. 592,033, published June 19, 1951.
Lotion, Hand. Colgate-Palmolive-Peet Company. 548,787, Sept. 25; Serial No. 603,768, published June 26, 1951.
Lotion, Hand make-up, liquid face cream, and liquid cleansing tonic. J. Bendix. 548,739, Sept. 25; Serial No. 601,017, published June 19, 1951.
Lotion, Skin. Kay Preparations Co., Inc. 370,434, Aug. 29, 1939. Republished Sept. 25.
Mouth-wash. Grumme & Son. 82,147, re-renewed June 6, 1951. O. G. Sept. 25.
Perfume essence. E. Westall. 548,625, Sept. 25; Serial No. 586,335, published June 26, 1951.
Perfume, toilet water, face powder, etc. House of Tre-Jur, Inc. 548,654, Sept. 25; Serial No. 591,166, published June 19, 1951.
Perfumes and toilet waters. Manufacturers and Importers of French Perfumes. 548,723, Sept. 25; Serial No. 599,444, published June 26, 1951.
Perfumes and toilet waters, rouge, face powder, and lipstick J. Despres. 548,781, Sept. 25; Serial No. 603,578, published June 19, 1951.
Rouge, face powder, cake make-up etc. Rejuvia Beauty Laboratories, Inc. 548,632, Sept. 25; Serial No. 587,286, published June 26, 1951.

CLASS 52

Aqueous mixture of solubilized proteins, etc. Arkansas Company, Inc. 548,693, Sept. 25; Serial No. 595,530, published June 12, 1951.
Cleaner, Household. L. C. Perillo. 548,623, Sept. 25; Serial No. 586,107, published May 29, 1951.
Cleaners, Floor. Templar Oil Products Co., Inc. 548,560, Sept. 25; Serial No. 569,645, published June 12, 1951.
Cleanser, All-purpose. W. Junice. 548,566, Sept. 25; Serial No. 571,865, published June 26, 1951.
Cleanser, General household. The Theobald Industries. 548,596, Sept. 25; Serial No. 579,299, published June 12, 1951.
Cleanser, Hair. Marengo Industries, Inc. 548,606, Sept. 25; Serial No. 582,488, published June 12, 1951.
Cleansing compounds, etc. The Solvay Process Company. 288,093, renewed Oct. 20, 1951. O. G. Sept. 25.
Cleansing products. S & S Soap Company. 548,533, Sept. 25; Serial No. 556,658, published June 26, 1951.
Detergent. De Laval Sales and Service, Inc. 548,635, Sept. 25; Serial No. 588,008, published June 12, 1951.
Floor sweeping compounds. Frank Miller & Sons. 548,621, Sept. 25; Serial No. 585,805, published June 12, 1951.
Liquid mixture of organic compounds. E. F. Drew & Co., Inc. 548,564, Sept. 25; Serial No. 570,928, published June 12, 1951.
Soap, Liquid. Banfree Products Company. 548,719, Sept. 25; Serial No. 598,828, published June 26, 1951.
Shampoo. Colonial Chemical Co. Inc. 548,582, Sept. 25; Serial No. 576,042, published June 12, 1951.
Soap. The M. Werk Company. 548,634, Sept. 25; Serial No. 587,369, published June 26, 1951.
Soap, Toilet. Kay Daumit, Inc. 548,619, Sept. 25; Serial No. 585,157, published June 12, 1951.
Soaps. F. H. Moore. 444,569, Sept. 25; Serial No. 515,893, published Apr. 11, 1950.

Soaps, stain and spot removers, drain solvents, etc. John Sexton & Co. 548,592, Sept. 25; Serial No. 578,708, published June 12, 1951.
Synthetic and natural aromatic chemicals and essential oils. Firmenich & Co. 548,681, Sept. 25; Serial No. 594,445, published June 19, 1951.
Synthetic and natural aromatic chemicals and essential oils. Firmenich & Co. 548,682, Sept. 25; Serial No. 594,447, published June 19, 1951.
Synthetic and natural aromatic chemicals and essential oils. Firmenich & Co. 548,683, Sept. 25; Serial No. 594,449, published June 19, 1951.

CLASS 100

Hotel services, Motor. A. C. Lewis, Jr. 548,849, Sept. 25 Serial No. 581,429, published July 3, 1951.

CLASS 103

Maintenance and reconditioning service. Shell Oil Company. 548,848, Sept. 25; Serial No. 589,340, published July 3, 1951.
Repairing diesel engines and metal work. West Winds, Incorporated. 548,847, Sept. 25; Serial No. 601,085, published July 3, 1951.

CLASS 104

Radio program broadcasting services. Booth Radio Stations, Inc. 548,895, Sept. 25; Serial No. 597,430.

CLASS 105

Air transportation of persons, property and mail. Eastern Air Lines, Inc. 548,850, Sept. 25; Serial No. 546,376, published May 2, 1950.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Hollis, Gilbert, assignor to S. G. Young, London, England. Snap-action electric switch. Re. 23,412, Sept. 25.

Young, Sidney G., assignee: *See*—
Hollis, Gilbert.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,039, Sept. 25.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,040, Sept. 25.

Burbank, Elizabeth W., Executrix: *See*—
Burbank, Luther.

Burbank, Luther, deceased, late of Santa Rosa, Calif., by E. W. Burbank, Executrix, Santa Rosa, Calif., assignor to Stark Bro.'s Nurseries and Orchards Company, Louisiana, Mo. Plum tree. 1,041, Sept. 25.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.

Stark Bro.'s Nurseries and Orchards Company, assignee: *See*—
Burbank, Luther.

LIST OF DESIGN PATENTEES

American Phenolic Corporation, assignee: *See*—
Klostermann, Curt W.

Arden, James, assignee: *See*—
Cohen, Joseph.

Bargen, William J., Waukegan, Ill. Combined seat and back for a chair or the like. 164,619, Sept. 25.

Bello, Mary, Brooklyn, N. Y. Gate unit. 164,620, Sept. 25.

Bienen, Mitchell R., New York, N. Y. Combined handbag and cover therefor. 164,621, Sept. 25.

Broad, Charles S., Enfield, England. Combined table, cabinet, and desk. 164,622, Sept. 25.

Chandlee, Margaret S., Sacramento, Calif. Handbag. 164,623, Sept. 25.

Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Packing sheet. 164,624, Sept. 25.

Chaplin Corporation, assignee: *See*—
Chaplin, Charles J.

Clukie, William, Bay City, Mich. Building block. 164,625, Sept. 25.

Cohen, Joseph, assignor to J. Arden, New York, N. Y. Reversible drawstring handbag. 164,626, Sept. 25.

Cruikshank, Virginius M., Sunbury, Pa. Floor mat. 164,627, Sept. 25.

Davis, Calvin, Salinas, Calif. Cover for containers for perishable foods. 164,628, Sept. 25.

Dictograph Products Company, Inc., assignee: *See*—
Nicholides, Emmanuel C., and Metzler.

Fels, Jerry, Los Angeles, Calif. Bracelet or similar article. 164,629, Sept. 25.

Fitzgerald, Robert H.: *See*—
Yecko, Albert S., and Fitzgerald.

Friedman, Samuel W., Los Angeles, Calif. Combined sugar and condiment holder. 164,630, Sept. 25.

Gershgoren, Max L., and M. and C. Goren, Brooklyn, N. Y. Tie holder. 164,631, Sept. 25.

Goren, Charles: *See*—
Gershgoren, Max L., and M. and C. Goren.

Goren, Murray: *See*—
Gershgoren, Max L., and M. and C. Goren.

Hughes, Burrel V., Detroit, Mich. Easel head. 164,632, Sept. 25.

Ischinger, Alfred E., Reading, Pa. Stocking. 164,633, Sept. 25.

Ischinger, Alfred E., Reading, Pa. Stocking. 164,634, Sept. 25.

Ischinger, Alfred E., Reading, Pa. Stocking. 164,635, Sept. 25.

Ischinger, Alfred E., Reading, Pa. Stocking. 164,636, Sept. 25

Ischinger, Alfred E., Reading, Pa. Stocking. 164,637, Sept. 25.

Ischinger, Alfred E., Reading Pa. Stocking. 164,638, Sept. 25.

Jakubovitz, Herman, Sao Paulo, Brazil. Handbag or the like. 164,639, Sept. 25.

Johnson, Doris, New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or the like. 164,640, Sept. 25.

Jones, Elmer L., Los Angeles, Calif. Revolving playing card dispenser. 164,641, Sept. 25.

Klostermann, Curt W., assignor to American Phenolic Corporation, Chicago, Ill. Lightning arrester. 164,642, Sept. 25.

Kriegel, Ruth B., Los Angeles, Calif. Apron or similar article. 164,643, Sept. 25.

Lapham, Sidney D., Martinez, Calif. Hand truck. 164,644, Sept. 25.

Lucas, Joseph, Limited, assignee: *See*—
Taylor, Harold C.

Maish, Clarence L., Warsaw, Ind. Baking dish or similar article. 164,645, Sept. 25.

Mayer China Company, assignee: *See*—
Johnson, Doris.

Mercer, Norman J., Brooklyn, N. Y. Spoon or the like. 164,646, Sept. 25.

Metzler, Charles L.: *See*—
Nicholides, Emmanuel C., and Metzler.

Murray, Peter F., Montebello, Calif. Spoon rest. 164,647, Sept. 25.

Nicholides, Emmanuel C., New York, N. Y., and C. L. Metzler, Palisades Park, N. J., assignors to Dictograph Products Company, Inc., Jamaica, N. Y. Hearing aid apparatus. 164,648, Sept. 25.

Ocenasek, William F., Plainfield, N. J. Band saw. 164,649, Sept. 25.

O'Connell, Daniel C., Bedford Village, assignor to Sterno, Inc., New York, N. Y. Stand for heated food receptacles. 164,650, Sept. 25.

O'Connell, Daniel C., Bedford Village, assignor to Sterno, Inc., New York, N. Y. Portable hot plate. 164,651, Sept. 25.

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,652, Sept. 25.

Steib, Emanuel G., Forest Hills, N. Y. Combined tie rack and picture frame. 164,653, Sept. 25.

Steinberg, Harry, New York, N. Y. Combined mailing box and letter envelope. 164,654, Sept. 25.

Sterno, Inc., assignee: *See*—
O'Connell, Daniel C.

Stewart, Donald E., Grand Rapids, assignor to Winters & Crampton Corporation, Grandville, Mich. Stove handle. 164,655, Sept. 25.

Taylor, Harold C., assignor to Joseph Lucas Limited, Birmingham, England. Windshield defroster. 164,656, Sept. 25.

Tovell, Allen D., Pasadena, Calif. Toy pistol. 164,657, Sept. 25.

Trifari, Krussman & Fishel, Inc., assignee: *See*—
Phillipe, Alfred.
United China and Glass Co., assignee: *See*—
Zeisel, Eva S.
Wolk, Lawrence, River Forest, Ill. Lunch box. 164,658, Sept. 25.
Winters & Crampton Corporation, assignee: *See*—
Stewart, Donald E.
Yecko, Albert S., and R. H. Fitzgerald, Pittsburgh, Pa. Bowl. 164,659, Sept. 25.
Zeisel, Eva S., New York, N. Y., assignor to United China and Glass Co., New Orleans, La. Covered casserole. 164,660, Sept. 25.
Zeisel, Eva S., New York, N. Y., assignor to United China and Glass Co., New Orleans, La. Sugar bowl. 164,661, Sept. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. C. I. Plastics Proprietary Limited, assignee: *See*—
Fienberg, Nathan, and Calder.
Abbott, Howard C., Chicago, Ill. Electrically heated mattress pad. 2,569,138, Sept. 25.
Abelson, Herman, Baltimore, Md. Weaning cap for nursing bottles. 2,569,139, Sept. 25.
Adams, Cecil E., assignor to The Denison Engineering Company, Columbus, Ohio. Hydraulic motor control apparatus. 2,569,213, Sept. 25.
Adams, Cecil E., and E. H. Born, assignors to The Denison Engineering Company, Columbus, Ohio. Hydraulic apparatus. 2,569,214, Sept. 25.
Adelson, David E., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Lubricant. 2,569,122, Sept. 25.
Adhesive Development Co., assignee: *See*—
Avery, Ray S.
Adlake Company, The, assignee: *See*—
Brenneman, Theron F.
Administrator of the Federal Security Agency, United States of America as represented by the, assignee: *See*—
Fieser, Louis F., and Rajagopalan.
Aetna-Standard Engineering Company, The, assignee: *See*—
Jaenchen, Max.
Affiliated Gas Equipment, Inc., assignee: *See*—
Cartter, William G.
Agueros, Gracielo, Montebello, Calif. Adobe composition and method. 2,569,272, Sept. 25.
Aikens, Cameron B., assignee: *See*—
Hellwig, Rudolph H.
Air Reduction Company, Incorporated, assignee: *See*—
Tyrner, Joseph M.
Aktiebolaget Atvidaberga Industrier, assignee: *See*—
Lidin, Sigfried E.
Aktiebolaget Colorator, assignee: *See*—
Nieburg, Felix.
Aktiebolaget Nilsson & Johansson, assignee: *See*—
Lindahl, Henning W.
Aktiebolaget Separator, assignee: *See*—
Stigen, Alf L.
Albers-Schoenberg, Ernst, Metuchen, assignor to Steatite Research Corporation, Keasbey, N. J. Ceramic parts for electrical devices having magnetic properties and making. 2,568,881, Sept. 25.
Albright, Franklin C., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft landing gear having shock absorber inside hub. 2,568,696, Sept. 25.
Alexandre, Miguel, Rio de Janeiro, Brazil. Airplane propeller. 2,569,273, Sept. 25.
Alexandrescu, Alexander M., Cleveland, Ohio. Rotary turbine-type fluid coupling. 2,569,087, Sept. 25.
Allied Chemical & Dye Corporation, assignee: *See*—
Wethly, Frans, and Hartmann.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Bellinger, Thaddeus F.
Grommes, Frank E.
Norelius, Emil F.
Unverzagt, Paul A.
Allmanna Svenska Elektriska Aktiebolaget, assignee: *See*—
Forssell, Harry.
Hansson, Bror O. N.
Petterson, Carl.
Sörnö, Bo, and Lindberg.
Altec Lansing Corporation, assignee: *See*—
Carrington, George L.
Altenburger, Clarence L., Dearborn, Mich., assignor to National Steel Corporation. Open-hearth process. 2,569,215, Sept. 25.
Aluminum Company of America, assignee: *See*—
Vanden Berg, Russel V.
Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, Chicago, Ill. Paper closure member for paper containers. 2,568,697, Sept. 25.
Amberg, Walter E., Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, Chicago, Ill. Apparatus for forming paper closure members for paper containers. 2,568,698, Sept. 25.
American Chemical Paint Company, assignee: *See*—
Spruance, Frank P., Jr.
American Cyanamid Company, assignee: *See*—
Cassell, Robert T., and Kushner.
Cook, Elmer W., and Moss.
Howard, Kenneth L.
Jayne, David W., Day, and Gieseke.
Roth, Barbara.
American Hydraulics, Inc., assignee: *See*—
Schallock, Arthur E.
American Metallurgical Products Company, assignee: *See*—
Bolkcom, Wilbur T.
American Seating Company, assignee: *See*—
Morgan, Erving B., and Clay.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Quetsch, John G., Jr., and Weir.
American Steel Foundries, assignee: *See*—
Baselt, Walter H.
Anderson, Jay E., Dallas, Tex. Can perforating device. 2,569,123, Sept. 25.
Anderson, Marshall N., assignor to Sellstrom Manufacturing Company, Chicago, Ill. Adjustable frame. 2,568,882, Sept. 25.
Anderson, Wilford A., assignor to G. H. Tennant Company, Minneapolis, Minn. Floor waxing machine. 2,568,699, Sept. 25.
Andrews, Alvadore M., Portland, Oreg. Flexible valve. 2,568,976, Sept. 25.
Andrews, O. B., Company, assignee: *See*—
Phillips, Lawrence H.
Andrews, Richard A., assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Spraying and dusting machine. 2,569,274, Sept. 25.
Arabian, Aram A., assignee: *See*—
Bagdigian, Nishan S.
Arams, Alice F., assignee: *See*—
Bersteink, Ossip S.
Arijoki, Torsti E., Helsinki, Finland. Cylindrical packing vessel. 2,569,088, Sept. 25.
Armour and Company, assignee: *See*—
Kaiser, Emil.
Armstrong, Charles E., assignor to Electric Controls Inc., Portland, Oreg. Multiple step line switch load limiting relay. 2,568,700, Sept. 25.
Arnold, George B., Glenham, N. Y., and H. V. Hess, Charleston, W. Va., assignors to The Texas Company, New York, N. Y. Synthesizing gasoline hydrocarbons. 2,568,841, Sept. 25.
Arnold, Paul F., Hempstead, N. Y., assignor to The Sperry Corporation. Motor speed control. 2,568,701, Sept. 25.
Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Separation of olefins from hydrocarbon distillates containing aromatics. 2,569,216, Sept. 25.
Associated Patentees, Inc., assignee: *See*—
Koch, Frederick.
Atlantic Products Corporation, assignee: *See*—
Kish, Michael, Jr.
Atlas Imperial Diesel Engine Co., assignee: *See*—
Laxo, Ed.
Waters, Lawrence W.
Aubert, Fred B., Detroit, Mich. Burner system, including ignition controlling means. 2,569,089, Sept. 25.
Auer, Frederick, Teaneck, assignor to Champlain Company, Inc., Bloomfield, N. J. Hydraulic impression gear for printing presses. 2,569,034, Sept. 25.
Austin, Douglas G., Wellsboro, Pa. Egg tumbling mechanism for egg cleaning machines. 2,568,693, Sept. 25.
Autocall Company, The, assignee: *See*—
Richmond, Norman E.
Automatic Electric Laboratories Inc., assignee: *See*—
Hadfield, Bertram M.
Automatic Injection Machines Corp., assignee: *See*—
Kardorff, Leon.
Automatic Shifters, Inc., assignee: *See*—
Hey, Henry W., and Ingres.
Avery, Ray S., South Pasadena, assignor to Adhesive Development Co., Los Angeles, Calif. Adhesive label and tape dispenser and applicator. 2,569,140, Sept. 25.
Axelson, Carl A.: *See*—
Bowersett, Charles F., Baker, and Axelson.
Bachli, Herman and H. S., Shapiro, assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill. Pipe bender. 2,568,694, Sept. 25.
Badenoch, Benjamin W., Los Angeles, Calif. Cooking device. 2,569,365, Sept. 25.
Bagdigian, Nishan S., Charlestown, Mass., assignor of one-half to A. A. Arabian, Providence, R. I. Method and package for preserving food. 2,569,217, Sept. 25.
Bailey, Frederick S., Morristown, N. J., assignor to National-Standard Company. Metal sheet drying oven. 2,568,695, Sept. 25.

Bailey, Laurelle W., Los Angeles, Calif. Rapid service means. 2,569,366, Sept. 25.

Bailey, William D., Jr., Oakland, Calif. Vehicle hood and bumper construction. 2,569,218, Sept. 25.

Baillod, Charles A., Bell Gardens, Calif. Automatic traverse stop and tool retractor. 2,568,977, Sept. 25.

Bakels, Pieter S., Geleen, assignor to De Directie van de Staatsmijnen in Limburg, acting for and on behalf of the State of the Netherlands, Heerlen, Netherlands. Method and apparatus for treating separating suspensions. 2,569,141, Sept. 25.

Baker, Claude R., Chapel Hill, N. C. Apparatus for forming molds and investing patterns. 2,568,978, Sept. 25.

Baker, Ignatius D., Los Angeles, Calif. Shoveling machine. 2,568,702, Sept. 25.

Baker, John B., assignor to The Timken Roller Bearing Company, Canton, Ohio. Drill rod with adapter. 2,569,215, Sept. 25.

Baker, Kenneth L.: *See*—
Bowersett, Charles F., Baker, and Axelson.

Baldwin, John M., Spokane, Wash. Water pump. 2,568,942, Sept. 25.

Bamber, George E., and S. G. Turnbull, London, England, assignors, by mesne assignments, to Unifold Mailing Machines Inc., Saginaw, Mich. Apparatus for inserting documents into envelopes. 2,569,219, Sept. 25.

Banshaf, Joseph A.: *See*—
Blaich, Rudolph C., and Banshaf.

Baptist, Wilbur B., Sacramento, Calif. Fountain hairbrush. 2,569,276, Sept. 25.

Barnhart, Merle E., and L. F. Miller, assignors to Price Electric Corporation, Frederick, Md. Reinforced insulation assembly. 2,568,979, Sept. 25.

Barrows, Donald S., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Journal box. 2,569,277, Sept. 25.

Barth, Henry L., Scotia, N. Y., asignor to General Electric Company. Slot wedge for dynamoelectric machines. 2,568,978, Sept. 25.

Bartholome, Bernard C., Evansville, Ind. Shirt board. 2,568,943, Sept. 25.

Barton, Leon M., Syracuse, N. Y., assignor to General Electric Company. Single side band modulator. 2,569,179, Sept. 25.

Baselt, Walter H., Floosmoor, assignor to American Steel Foundries, Chicago, Ill. Brake hanger. 2,568,703, Sept. 25.

Baselt, Walter H., Floosmoor, assignor to American Steel Foundries, Chicago, Ill. Brake hanger. 2,568,704, Sept. 25.

Bates, Nathan, Bartow, Fla., assignor, by mesne assignments, to Swift & Company. Sewing machine attachment. 2,569,396, Sept. 25.

Batten, Alfred J., assignor to Gerrard Industries Limited, Brentford, England. Tacking machine. 2,569,220, Sept. 25.

Batten, Alfred J., assignor to Gerrard Industries Limited, Brentford, England. Magazine and feed means for stapling machines. 2,569,221, Sept. 25.

Bauer Bros. Company, The, assignee: *See*—
Woodruff, Maurice D.

Bayers, George W., assignee: *See*—
Bayers, George W., Jr.

Bayers, George W., Jr., assignor of one-half to G. W. Bayers, Denver, Colo. Carbonating machine. 2,568,980, Sept. 25.

Bayha, Walter G.: *See*—
James, William J., and Bayha.

Bechler, André, Moutier, Switzerland. Rocking type of drilling and tapping appliance for automatic lathes. 2,568,785, Sept. 25.

Beck, Arnold H. W., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Nonsputtering cathode for electron discharge devices. 2,568,705, Sept. 25.

Becker, John E., Darlington Township, Durham County, Ontario, Canada. Fluid circulation control for fluid couplings. 2,568,706, Sept. 25.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Shrinkage compensatory film stripping mechanism. 2,569,280, Sept. 25.

Beede, Arnold H., and L. P. Borkoski, Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,569,222, Sept. 25.

Bee-Line Company, assignee: *See*—
Jacobsen, Le Roy V.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Hall Oliver C.
Potter, Ralph K.
Shockley, William.

Bellinger, Thaddeus F., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Synchronous motor control system with single relay for field application and removal. 2,569,142, Sept. 25.

Bellows, Ernest L.: *See*—
Warner, De Ver K., Martin, and Bellows.

Belsinger, Inc., assignee: *See*—
Belsinger, Jack R.

Belsinger, Jack R., assignor to Belsinger, Inc., Atlanta, Ga. Extended length fiberboard container for extruded metal shapes, rugs, and the like. 2,569,035, Sept. 25.

Bendix Aviation Corporation, assignee: *See*—
Albright, Franklin C.
Brunner, Richard J.
Buxton, James E.
Dewey, Clarence L.
Gordon, James F.
Hupp, Edward E.
Kusmitz, Frank V., and South.
Lauer Leon N.
Omberg, Arthur C.
Schnaible, Albert P., and Mock.
Schultz, Harold B.
Smeltzer, Raymond F.

Bendix Aviation Corporation, assignee: *See*—
Stryker, Carleton E.
Tobias, Arthur R.
Wise, Morris O.

Benner, Howard J., and A. M. Hadley, Longmeadow, Mass., assignors, by mesne assignments, to General Instruments Corporation, Elizabeth, N. J. Transformer. 2,569,036, Sept. 25.

Bennett, Ernest O., Bluefield, W. Va. Fluorescent lamp tube and mounting means therefor. 2,569,143, Sept. 25.

Bennett, William O., Jr., assignor to Hamilton Watch Company, Lancaster, Pa. Comparator gauge. 2,568,981, Sept. 25.

Benning, Anthony F., Woodstown, N. J., and M. K. Richards, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for the electrolytic production of fluorine. 2,568,844, Sept. 25.

Benson, Abel O., River Falls, Wis, Portfolio. 2,568,941, Sept. 25.

Benson, Merle K., Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa. Overload release friction coupling. 2,569,144, Sept. 25.

Berg, Lloyd: *See*—
Montgomery, Charles W., Sumner, and Berg.

Berger, Samuel I., Newark, N. J. Toy typewriter. 2,569,145, Sept. 25.

Bernstein, Ossip S., assignor of one-half to A. F. Arams, New York, N. Y. Clip for pens and pencils. 2,568,907, Sept. 25.

Bernstein, Rubin, Philadelphia, Pa. Detergent testing machine. 2,568,707, Sept. 25.

Berry, William R.: *See*—
McNeary, Samuel S., and Berry.

Bertea, Alex, deceased, Pasadena, by H. D. McKay, executor, Puente, Calif. Mechanically operated check valve. 2,568,982, Sept. 25.

Berthelot, Jean, Paris assignor, by mesne assignments, to Societe Maxicalor, Besons, (S. O.), France. Feeding screw for pulverulent or granular material. 2,569,039, Sept. 25.

Besag, Ernst, and W. R. Hill, Streetly, and T. D. G. Wintle, assignor to J. A. Crabtree & Co. Limited, Walsall, England. Contact mechanism for automatic circuit breakers and similar electrical switchgear. 2,569,281, Sept. 25.

Best, Frank E., Indianapolis, Ind. Keeper. 2,568,983, Sept. 25.

Bethlehem Steel Company, assignee: *See*—
Wright, Charles M., and Miller.

Bets, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Electrical energising means for limit control devices and the like. 2,569,397, Sept. 25.

Bindel, Charles J., Akron, Ohio. Adapter for wall-type outlet boxes. 2,568,942, Sept. 25.

Birtman Electric Company, assignee: *See*—
Sparklin, Charles H.
Sparklin, Charles H., and Howard.
Sparklin, Charles H., and Sporney.

Björklund, Gustaf E., Stockholm, Sweden. Dental drill and handpiece for same. 2,568,708, Sept. 25.

Blackwelder Manufacturing Co., assignee: *See*—
Lea, Henry V.

Blaich, Rudolph C., Buffalo, and J. A. Banshaf, Kenmore, N. Y. Weight operated climbing toy. 2,568,908, Sept. 25.

Blaisse, Berndt S., and A. Bouwers, assignors to N. V. Optische Industrie "de Oude Delft," Delft, Netherlands. X-ray camera and system. 2,568,943, Sept. 25.

Blickensderfer, Philip S.: *See*—
Bradner, Donald B., Stoddard, and Blickensderfer.

Bliss, Harvey N., Windsor, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter mechanism. 2,568,709, Sept. 25.

Block, Richard J., Scarsdale, N. Y., assignor to The Borden Company. Livestock feed. 2,569,282, Sept. 25.

Bloom, Mortimer C.: *See*—
Von Hippel, Arthur, and Bloom.

Bock, Louis H.: *See*—
De Benneville, Peter L., and Bock.

Boiler Specialties Corporation, assignee: *See*—
Giesen, Arthur A.

Boling, Marion L., assignor to O. J. Boling, Seattle, Wash. Envelope. 2,568,786, Sept. 25.

Boling, Ona J., assignee: *See*—
Boling, Marion L.

Bolkcom, Wilbur T., Hampton Township, Allegheny County, assignor to American Metallurgical Products Company, Pittsburgh, Pa. Metallurgical addition agent. 2,569,146, Sept. 25.

Boller, Henry A., Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo. Metering rod support. 2,569,147, Sept. 25.

Bolljahn, John T., Washington, D. C. Wide-band antenna. 2,568,710, Sept. 25.

Bonard, Claude, administrator: *See*—
Dreyfus, Henry.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Electrical control device. 2,569,090, Sept. 25.

Booth, James K., Salt Lake City, Utah. Piano hammer press. 2,568,909, Sept. 25.

Borden Company, The, assignee: *See*—
Block, Richard J.

Boreen, Thore, Minneapolis, Minn. Latching device for gondola dumping doors. 2,569,283, Sept. 25.

Borkoski, Leon P.: *See*—
Beede, Arnold H., and Borkoski.

Born, Ellis H.: *See*—
Adams, Cecil E., and Born.

Bosch, Herbert A., Lake Elizabeth Township, Kandiyohi County, Minn. Steam power plant using exhaust from auxiliary gas turbine for condensing steam. 2,568,787, Sept. 25.

Bosl, John, Philadelphia, Pa. Oil return in refrigerator. 2,568,711, Sept. 25.

Bossen, Peter H., Watertown, S. Dak. Water pump cap-screw remover. 2,568,788, Sept. 25.

Bouwers, Albert: *See*—
Blaisse, Berndt S., and Bouwers.

Bower, Joseph E., Milwaukee, Wis. Clamping device. 2,569,284, Sept. 25.

Bowers, Marsden E., Detroit, Mich. Electrical connector block for bus ducts. 2,569,223, Sept. 25.

Bowersett, Charles F., Laurel, Md., K. L. Baker, and C. A. Axelson, Washington, D. C. Underwater signaling device. 2,568,712, Sept. 25.

Bowsher, Chester A., assignor to United Aircraft Products, Inc., Dayton, Ohio. Heat exchange unit. 2,568,984, Sept. 25.

Boyce, Leonard D., Maplewood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Transmission control switch. 2,569,148, Sept. 25.

Brace, George H.: *See*—
Drago, Alfred A., and Brace.

Bradner, Donald B., Washington, D. C., W. B. Stoddard, Jr., and P. S. Blickensderfer, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Endless metal belt and making the same. 2,569,367, Sept. 25.

Bradner, Donald B., Washington, D. C., W. B. Stoddard, Jr., and P. S. Blickensderfer, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Joining metal parts. 2,569,368, Sept. 25.

Brandt, Henry E., North St. Paul, Minn. Dusting device. 2,569,369, Sept. 25.

Brennan, Joseph B., Bratenahl, Ohio. Casting method and apparatus. 2,569,150, Sept. 25.

Brennan, Joseph B., Cleveland, Ohio. Bimetallic structure. 2,569,149, Sept. 25.

Brenneman, Theron F., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Window construction. 2,568,985, Sept. 25.

Brenner, Abner, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of Commerce. Instrument for use in determining the stress in an electrodeposit. 2,568,713, Sept. 25.

Brigham, Harry S., Bakersfield, assignor to Western Gulf Oil Company, Los Angeles, Calif. Retrievable bridge plug. 2,568,944, Sept. 25.

Bristol-Myers Company, assignee: *See*—
Dieter, Julian A.

Britton, Howard L., York, Pa. Soap holder. 2,568,714, Sept. 25.

Brno Arms Factory, National Corporation, assignee: *See*—
Heyrovsky, Jaroslav.

Browder, John G., Houston, and A. R. Smith, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Treating petroleum distillates. 2,569,370, Sept. 25.

Brown & Bigelow, assignee: *See*—
Priester, Kendall B.

Brown, Clyde A., assignor to The Dole Valve Company, Chicago, Ill. Metering fluid. 2,569,285, Sept. 25.

Brown, George R., Springfield, Mass. Fishline reel. 2,568,986, Sept. 25.

Brown, George W.: *See*—
Rajchman, Jan A., and Brown.

Brown, Ralph M., assignor to Penn Yan Boats, Inc., Penn Yan, N. Y. Making boat hulls. 2,569,224, Sept. 25.

Brown, William T., Fort Wayne, and L. C. Girardot, New Haven, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation. Adjustable electrical condenser mounting means. 2,568,715, Sept. 25.

Brunner, Richard J., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,568,987, Sept. 25.

Brush Development Company, The, assignee: *See*—
Gravley, Charles K.

Brydges, De Witt E., assignee: *See*—
Vassar, Archie W.

Buck, James A., assignee: *See*—
Motel, John.

Bugg, Kenly C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Record changer. 2,568,716, Sept. 25.

Bunker, Joseph F., Rockville Centre, N. Y. Swivel knife. 2,569,286, Sept. 25.

Burd, Samuel I., New York, and J. V. Clarke, Flushing, assignors to Prestige, Inc., New York, N. Y. Ornamented stocking. 2,569,398, Sept. 25.

Burdulis, Peter J., Delhi, Calif. Armature winding machine. 2,568,945, Sept. 25.

Burgwin, Stephen L., and F. Vandenburg, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,569,287, Sept. 25.

Burk, Herbert S., Maplewood, La., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Manufacture of paraffin waxes. 2,568,946, Sept. 25.

Burns, Frank B., Chicago, Ill., and M. S. Larrison, Frankford, Pa., assignors to United States Gypsum Company, Chicago, Ill. Fire resistant asphalt coating. 2,569,399, Sept. 25.

Burton, William P., Orange, and H. G. McGrath, Elizabeth, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,568,717, Sept. 25.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkylation of polystyrene using a hydrogen fluoride catalyst. 2,569,400, Sept. 25.

Buxton, James E., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,569,401, Sept. 25.

Calder, Alan R.: *See*—
Fienberg, Nathan, and Calder.

Calefactor Corporation, The, assignee: *See*—
Denker, Charles T., and Moore.

Callahan, Howard E.: *See*—
Fasold, George A., and Callahan.

Canal National Bank of Portland, The, trustee, assignee: *See*—
Shepard, Ernest L.

Cantalupo, Francis J.: *See*—
Fennema, Richard, and Cantalupo.

Cantalupo, Francis J., Chicago, E. P. De Craene, Westchester, and R. P. Setka, assignors to Crane Co., Chicago, Ill. Temperature control mechanism. 2,569,402, Sept. 25.

Carborundum Company, The, assignee: *See*—
Schroeder, Herbert S., and Logan.

Carey, Philip, Manufacturing Company, The, assignee: Fasold, George A., and Callahan.

Carrington, George L., Encino, assignor to Altec Lansing Corporation, Los Angeles, Calif. Loud-speaker with expanding horn unit. 2,568,883, Sept. 25.

Carroll, Ellsworth W., Redwood City, assignor to S & W Fine Foods, Inc., San Francisco, Calif. Fruit orienting device. 2,568,947, Sept. 25.

Carroll, John, Jr., assignor to The Lorac Company, Inc., Providence, R. I. Detachable strap and clasp for use therewith. 2,568,845, Sept. 25.

Carter Carburetor Corporation, assignee: *See*—
Boller, Henry A.
Boyce, Leonard D.
Coffey, Irven E.

Carter, James H., Blacksburg, Va., and A. H. Daane, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission. Forming uranium monocarbide. 2,569,225, Sept. 25.

Carter, Willard K., assignor to The Denison Engineering Company, Columbus, Ohio. Producing articles from powdered material. 2,569,226, Sept. 25.

Carter, Willard K., assignor to The Denison Engineering Company, Columbus, Ohio. Apparatus for transferring powdered material. 2,569,227, Sept. 25.

Cartter, William G., Monrovia, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio. Pan type heat exchanger. 2,568,948, Sept. 25.

Casas-Robert, Ramon, Geneva, Switzerland, assignor to Mefina S. A. Sewing machine throat plate retaining means. 2,569,091, Sept. 25.

Cassell, Robert T., Kew Gardens, and S. Kushner, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Preparation of N-benzyl-beta-halopropionamides. 2,569,288, Sept. 25.

Celanese Corporation of America, assignee: *See*—
Dreyfus, Henry.
Keight, Albert W.

Central Brass & Iron Foundry, assignee: *See*—
Meier, Edward E.

Chambers, Torrence H., Washington, D. C. Variable inductive coupling. 2,568,718, Sept. 25.

Champion Paper and Fibre Company, The, assignee: *See*—
Bradner, Donald B., Stoddard, and Blickensderfer.

Champlain Company, Inc., assignee: *See*—
Auer, Frederick.

Chemical Construction Corporation: *See*—
McGauley, Patrick J., and Roberts.

Chemical Process Company, assignee: *See*—
Mills, Gordon F., and Porter.

Chicago Bridge & Iron Company, assignee: *See*—
Goldsby, Fred L., and Orr.

Chicago Specialty Mfg. Co. Inc., assignee: *See*—
Bachli, Herman, and Shapiro.

Childs, Wyatt B., Macon, Ga. Dentist's chair. 2,568,988, Sept. 25.

Christenson, Roger M., Whitefish Bay, and R. E. Harpt, Wauwatosa, Wis., assignors to Pittsburgh Plate Glass Company. Bleaching oils in the presence of steam. 2,569,124, Sept. 25.

Ciaio, Joseph A., Corona, N. Y., assignor to Snap-It, Snug-Fit Shoe Machinery Co., Inc. Shoe construction and making same. 2,568,884, Sept. 25.

Ciba Limited, assignee: *See*—
Morgell, Eduard, and Kern.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hartmann, Max, and Studer.

Cinema-Television Limited, assignee: *See*—
Graham, George E. G.

Clark, Edwin L., Collingswood, N. J., assignor to Radio Corporation of America. Automatic gain control system. 2,569,289, Sept. 25.

Clark, Lansiston E., Los Angeles, Calif., and L. W. Oliver, Gerrards Cross, England, assignors to Technicolor Motion Picture Corporation, Los Angeles, Calif. Deviation detector apparatus for film registration. 2,569,228, Sept. 25.

Clarke, Joseph V.: *See*—
Burd, Samuel I., and Clarke.

Clay, Royce W.: *See*—
Morgan, Erving B., and Clay.

Coffey, Ilven E., assignor to Carter Carburetor Corporation, St. Louis, Mo. Lubricating rubber during vulcanization. 2,569,151, Sept. 25.

Cogburn, Harley L., Big Bear Lake, Calif. Generator for absorption refrigerators. 2,568,789, Sept. 25.

Cohen, Eugene M.: *See*—
Silver, Leonard H., and Cohen.

Cohen, William, New York, N. Y. Pivoted spring clip. 2,569,371, Sept. 25.

Collester, Maude P., assignor to I. B. Kleinert Rubber Co., New York, N. Y. Curtain for a child's nursery room. 2,569,290, Sept. 25.

Collins, Corinne R., Los Angeles, Calif. Garment hanger collar support. 2,569,152, Sept. 25.

Collins, Milford E., Los Angeles, Calif., assignor to Radio Corporation of America. Film reel drive and holdback mechanism. 2,568,790, Sept. 25.

Collison, Thomas A., Mount Vernon, Ill. Center filler and draft gear stop. 2,569,372, Sept. 25.

Coltemp Corporation, assignee: *See*—
Musshower, Clarence F.

Commerce, United States of America as represented by the Secretary of, assignee: *See*—
Brenner, Abner.

Commercial Solvents Corporation, assignee: *See*—
Stengel, Leonard A.

Concrete Patents Limited, assignee: *See*—
Danhof, Kornelis R.

Condo, Fred E., El Cerrito, and M. Naps, Oakland, assignors to Shell Development Company, San Francisco, Calif. Copolymers of vinyl halides and halogenated propenes. 2,568,692, Sept. 25.

Condylis, Jessie C., Chicago, Ill. Fastening means for garments, and more particularly diapers. 2,568,910, Sept. 25.

Conmar Products Corporation, assignee: *See*—
Grof, Howard M.
Schaye, Jack M.
Wilhelm, John H.

Consolidated Engineering Corporation, assignee: *See*—
Washburn, Harold W.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Beth, Paul L.

Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Soluble calcium salts. 2,569,403, Sept. 25.

Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Container cleaning machine. 2,568,949, Sept. 25.

Cooper, Corbet, Beaver Dam, Ky. Portable power-driven hack saw. 2,568,791, Sept. 25.

Cooper, Daisy, Washington, D. C. Girdle type garment. 2,569,229, Sept. 25.

Corson, Almon J.: *See*—
Hoare, Stephen C., and Corson.

Costantino, Celestino, Orlando, Fla. Circulating cleaning device for spray gun nozzles. 2,569,125, Sept. 25.

Cowell, Elmer E., St. Louis County, and J. R. Darby, Richmond Heights, assignors to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl chloride polymer compositions. 2,568,989, Sept. 25.

Cox, Irvin W., West Allis, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Constructing electric heaters. 2,568,846, Sept. 25.

Cox, Irvin W., West Allis, and L. D. Drugmand, Greenfield, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Severing and end sealing a tube. 2,568,911, Sept. 25.

Crabtree, J. A., & Co. Limited, assignee: *See*—
Berg, Ernst, Hill, and Wintle.

Crane Co., assignee: *See*—
Cantalupo, Francis J., De Craene, and Setka.
De Craene, Edmond P.
Fennema, Richard, and Cantalupo.
Glauque, Charles A.

Crippe, Charles E., Culver City, Calif. Apparatus for cooking foods. 2,568,792, Sept. 25.

Crompton & Knowles Loom Works, assignee: *See*—
Robb, Walter Y.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Latices from alkali metal catalyzed polymers. 2,568,950, Sept. 25.

Cudly, Mary M., Friend, Nebr. Needle guide. 2,568,951, Sept. 25.

Curle, George L., assignor of one-third to L. G. Olander and one-third to L. W. Morris, Minneapolis, Minn. Galley for handling matrices. 2,569,230, Sept. 25.

Curry, Herman H., Inverness, Fla. Combination control system. 2,568,720, Sept. 25.

Curry, Robert S., Jr., Baldwin, N. Y., assignor to The Sperry Corporation. Control system for aircraft control surface and tab. 2,568,719, Sept. 25.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W.
Cox, Irvin W., and Drugmand.
Robbins, Clyde F.

Cutler, Royal A.: *See*—
Surrey, Alexander R., and Cutler.

Cutter Corporation, assignee: *See*—
Shaeffer, Norbert.

Daane, Adrian H.: *See*—
Carter, James H., and Daane.

Dailey, Edward C., West Newton, Pa. Shaft holder. 2,568,952, Sept. 25.

Dalton, John J., Lakewood, N. Y. Releasable lock for electric plugs. 2,569,037, Sept. 25.

Danhof, Kornelis R., assignor to Concrete Patents Limited, London, England. Apparatus for molding prestressed reinforced concrete elements. 2,569,231, Sept. 25.

Daniel, Frederick K., Kew Gardens, N. Y. Dialysis procedure. 2,568,990, Sept. 25.

Daniels, Lee C., assignor to Towmotor Corporation, Cleveland, Ohio. Pulldown cylinder assembly for mast slides. 2,569,126, Sept. 25.

Darby, Joseph R.: *See*—
Cowell, Elmer E., and Darby.

Davis, Richard H., assignor to Lincoln Iron Works, Rutland, Vt. Machine for grinding and polishing blocks of stone. 2,569,291, Sept. 25.

Day, Harold M.: *See*—
Jayne, David W., Day, and Gieseke.

Day, Herbert O., Bowling Green, Ohio. Stiffener for hydraulic cylinders. 2,569,038, Sept. 25.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with esters of (1',2'-dicarboxyethyl)octadecenoic acid. 2,569,404, Sept. 25.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with esters of (1',2'-dicarboxyethyl)undecylenic acid. 2,569,405, Sept. 25.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with alkoxyethyl esters of (1',2'-dicarboxyethyl)octadecenoic acid. 2,569,406, Sept. 25.

Dazzi, Joachim, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Vinyl chloride polymers plasticized with alkoxyethyl esters of (1',2'-dicarboxyethyl)undecylenic acid. 2,569,407, Sept. 25.

De Beaumont, Henry M. D. B., Civray-sur-Cher Via Francueil, assignor of one-half to Etablissements Edgar Brandt, Paris, (Seine), France. Viscosity measuring means. 2,568,793, Sept. 25.

De Benneville, Peter L., Philadelphia, Pa., and L. H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa. Quaternary salts-alkylbenzyl alkyl dimethyl ammonium halides. 2,569,408, Sept. 25.

De Benneville, Peter L., and C. L. Leveseque, assignors to Rohm & Haas Company, Philadelphia, Pa. Amide-linked bis-quaternary ammonium compounds. 2,569,409, Sept. 25.

De Craene, Edmond P.: *See*—
Cantalupo, Francis J., De Craene, and Setka.

De Craene, Edmond P., Westchester, assignor to Crane Co., Chicago, Ill. Vacuum apparatus for filling capsule-like receptacles with fluid. 2,569,410, Sept. 25.

De Directie van de Staatsmijnen in Limburg, acting for and on behalf of the State of the Netherlands, assignee: *See*—
Bakels, Pieter S.

Deere & Company, assignee: *See*—
Neighbour, Leonard B., and Esbeck.
Paul, Talbert W.
Stueland, Harold M.

Deere Manufacturing Co., assignee: *See*—
Du Shane, Wallace H.
Nordenson, Willard H., and Mihal.

Deering, Roland F., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Phosphoric acid or metal phosphate catalysts on precalcined carriers and their preparation. 2,569,092, Sept. 25.

Dehmel, Richard C., Short Hills, N. J. Wire winding machine. 2,569,292, Sept. 25.

De Liban, Robert, Menlo Park, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Filter. 2,569,232, Sept. 25.

Deloraine, Edmond M., New York, N. Y., and A. H. Reeves, Surrey, England, assignors to International Standard Electric Corporation, New York N. Y. Communication system utilizing constant amplitude pulses. 2,568,721, Sept. 25.

Dematteis, Julian, Batavia, Iowa. Expansible chamber engine having a reciprocating piston cylinder and a reciprocating piston in such cylinder. 2,569,293, Sept. 25.

Denison Engineering Company, The, assignee: *See* —
Adams, Cecil E.
Adams, Cecil E., and Born.
Carter, Willard K.

Denker, Charles T., and J. R. Moore, assignors to The Calefactor Corporation, Chicago, Ill. Boiler. 2,569,294, Sept. 25.

Dental Perfection Company, assignee: *See*—
Lochridge, Edwin H.

Dewandre, Albert, Brussels, Belgium. Compressed fluid distributor. 2,568,722, Sept. 25.

Dewandre, Albert, Brussels, Belgium. Relay valve for compressed fluids. 2,568,723, Sept. 25.

Dewey, Clarence L., Elkhart, assignor to Bendix Aviation Corporation, South Bend, Ind. Machine and method for closing metal tubes. 2,568,991, Sept. 25.

De Witt, William L., Upper Darby, Pa. Computing instrument. 2,569,295, Sept. 25.

Deyrup, Alden J., Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating wire-wound electrical resistors. 2,568,847, Sept. 25.

Dickinson, Norman L., Basking Ridge, E. F. Everett, Plainfield, and L. R. Hill, Ridgewood, assignors to The M. W. Kellogg Company, Jersey City, N. J. Synthesis of organic compounds. 2,568,953, Sept. 25.

Dickson, John, Huntington Woods, and K. L. Hulsing, Plymouth, assignors to General Motors Corporation, Detroit, Mich. Fuel-injection pump. 2,569,233, Sept. 25.

Dieter, Julian A., Union, N. J., assignor to Bristol-Myers Company, New York, N. Y. Sealing apparatus. 2,568,794, Sept. 25.

Dill, John J., Delton, Mich. Apparatus for sterilizing plasma, vaccine, and other fluids. 2,569,153, Sept. 25.

Di Pietro, William O.: *See*—
Godley, Philip, 2nd, and Di Pietro.

Ditisheim & Cie, Fabriques Vulcain et Volta, assignee: *See*—
Ditisheim, Robert.

Ditisheim, Robert, assignor to Ditisheim & Cie, Fabriques Vulcain et Volta, La Chaux-de-Fonds, Switzerland. Alarm watch. 2,568,795, Sept. 25.

Ditto, Incorporated, assignee: *See*—
Gullixson, Harold R.

Dole Valve Company, The, assignee: *See*—
Brown, Clyde A.
Vellinga, John.

Dome, Robert B., Geddes Township, Onondaga County, N. Y., assignor to General Electric Company. Frequency converter with plural selectable oscillators. 2,569,296, Sept. 25.

Donath, Erwin, New York, N. Y. Electronic discharge device. 2,569,154, Sept. 25.

Doscher, Todd M., West Los Angeles, assignor to Oil Well Chemical & Materials Co., Inc., Los Angeles, Calif. Treatment for drilling fluids. 2,568,992, Sept. 25.

Dowell, J. Irvin, assignee: *See*—
Vassar, Archie W.

Drago, Alfred A., and G. H. Brace, New London, Conn. Inclined U water tube boiler. 2,569,155, Sept. 25.

Dreyfus, Henry, deceased, late of London, England, by C. Bonard, administrator, London, England, assignor to Celanese Corporation of America. Manufacture of high polymeric compounds from N,N'-dicarbophenoxy-2,4-diamino toluene and hexamethylene glycol. 2,568,885, Sept. 25.

Drissner, Alfred E., Cleveland, Ohio, assignor to The National Acme Company. Chucking mechanism. 2,569,093, Sept. 25.

Drugmand, Lester D.: *See*—
Cox, Irvin W., and Drugmand.

Drummondville Cotton Company Limited, assignee: *See*—
Kershaw, John G.

Duke, Vernon J., Rockville Centre, N. Y., and A. L. Hammerschmidt, Berea, Ohio, assignors to Radio Corporation of America. Direct-current restoring apparatus. 2,569,297, Sept. 25.

Dunlap, Austin M., Olanta, Pa. Motorcycle seat support. 2,568,796, Sept. 25.

Dunlap, Charles K., Hartsville, S. C., assignor to Sonoco Products Company. Textile cone. 2,569,094, Sept. 25.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Benning, Anthony F., and Richards.
Deyrup, Alden J.
Kinraide, William T. B.
Leininger, Paul M., and Farrell.
Moffett, Walter K., and Weis.

Du Shane, Wallace H., Waterloo, assignor to Deere Manufacturing Co., Dubuque, Iowa. Speed-responsive fuel-control means for internal-combustion engines. 2,568,912, Sept. 25.

Dybvig, Henry N., near Colton, S. Dak. Macerator for hulling pits or seeds. 2,569,156, Sept. 25.

Ead, Khattar, Brooklyn, N. Y. Detachable fan hub and blade structure. 2,568,913, Sept. 25.

Eaker, Charles M., Affton, and F. B. Zienty, Brentwood, assignors to Monsanto Chemical Company, St. Louis, Mo. Purification of para-caproylaminobenzenesulfonhydroxamide. 2,568,993, Sept. 25.

Eaker, Charles M., Affton, and F. B. Zienty, Brentwood, assignors to Monsanto Chemical Company, St. Louis, Mo. Purification of para-caproylaminobenzenesulfonhydroxamide. 2,568,994, Sept. 25.

Earl, Howard E., assignor to Eureka Williams Corporation, Bloomington, Ill. Oil burner nozzle. 2,568,879, Sept. 25.

Earl, Howard E., assignor to Eureka Williams Corporation, Bloomington, Ill. Oil burner control circuit with small ignition transformer. 2,568,954, Sept. 25.

Earp, Charles W., and M. F. Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric pulse code modulation system of communication. 2,568,724, Sept. 25.

Eckhardt, George, Jr., Los Angeles, Calif. Automatic chime and Christmas tree holder. 2,568,995, Sept. 25.

Eland, Robert C. A., assignor to Philco Corporation, Philadelphia, Pa. Microphonic suppression system for electric phonographs. 2,568,797, Sept. 25.

Electric Controls Inc., assignee: *See*—
Armstrong, Charles E.

Electric & Musical Industries Limited, assignee: *See*—
Faudell, Charles L.

Electrolux Corporation, assignee: *See*—
Beede, Arnold H., and Borkoski.

Ellis, Lacoste G., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Seismographic prospecting. 2,569,411, Sept. 25.

Ellison, Leslie J.: *See*—
Richards, Edward A., and Ellison.

Eltenton, George C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Refractive index measurement of fluids. 2,569,127, Sept. 25.

Emhart Manufacturing Company, assignee: *See*—
Russell, Alan W.
Spigener, William P.

Enabnit, Robert S., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Making air bag for use in high-frequency electrical vulcanization. 2,568,848, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Latching mechanism. 2,569,040, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Latch. 2,569,041, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Lock control mechanism. 2,569,042, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Floating bolt latch. 2,569,043, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Latch safety catch. 2,569,044, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Latching mechanism for closures. 2,569,045, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Floating bolt latch mechanism. 2,569,046, Sept. 25.

Endter, Waldemar A., Long Beach, Calif. Vehicle door latch. 2,569,047, Sept. 25.

Engine Life Products Corporation, assignee: *See*—
Ogilvie, Frank R.

Englander, Arthur R., University Heights, Ohio. Flatiron stand. 2,568,955, Sept. 25.

Erdmann, Hans, Maplewood, N. J., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Slider for slide fasteners. 2,569,298, Sept. 25.

Esbeck, Howard C.: *See*—
Neighbour, Leonard B., and Esbeck.

Etablissements Edgar Brandt, assignee: *See*—
De Beaumont, Henry M. D.

Eureka Williams Corporation, assignee: *See*—
Earl, Howard E.
Waldron, Cecil R.
Wiser, Hubert J., Sr.

Evans, Luther W., assignor to Evans Specialty Company, Inc., Richmond, Va. Collator rack. 2,568,996, Sept. 25.

Evans Specialty Company, Inc., assignee: *See*—
Evans, Luther W.

Evensen, Sverre W., Fredrikstad, Norway. Molding structural slabs of cement and fiber. 2,569,157, Sept. 25.

Everett, Edward F.: *See*—
Dickinson, Norman L., Everett, and Hill.

Failor, Charles W., Forest Hills, and J. R. Henderson, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company. Railway traffic controlling apparatus. 2,568,997, Sept. 25.

Farkas, Eugene J., and J. W. Rackle, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Automatic transmission. 2,568,798, Sept. 25.

Farnsworth Research Corporation, assignee: *See*—
Brown, William T., and Girardot.
Bugg, Kenly C.

Farrell, Hugh: *See*—
Leininger, Paul M., and Farrell.

Fasold, George A., Mount Healthy, and H. E. Callahan, Hamilton County, Ohio, assignors to The Philip Carey Manufacturing Company. Vapor barrier paper and the manufacture thereof. 2,568,849, Sept. 25.

Fasold, George A., Mount Healthy, and H. E. Callahan, Silverton, Ohio, assignors to The Philip Carey Manufacturing Company. Vapor barrier paper and the manufacture thereof. 2,568,850, Sept. 25.

Fasdell, Charles L., Wexham Street, near Stoke Poges, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electrical integrating circuits. 2,568,914, Sept. 25.

Faximile, Inc., assignee: *See*—
Lapish, Walter.

Fay, Patrick, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Die head for multiple extrusion. 2,569,373, Sept. 25.

Federal Manufacturing & Engineering Corp., assignee: *See*—
Rabinow, Jacob.

Federal Telephone and Radio Corporation, assignee: *See*—
Von Hippel, Arthur, and Bloom.

Fegel, Albert, Whittier, Calif. Testing device for carburetor valves. 2,569,299, Sept. 25.

Felice, Albert, Philadelphia, Pa. Lettering pencil. 2,569,274, Sept. 25.

Félix, Prosper V.: *See*—
Huber, Robert, and Félix.

Fennema, Richard, and F. J. Cantalupo, assignors to Crane Co., Chicago, Ill. Valve. 2,569,412, Sept. 25.

Fey, Harry J., assignor to James R. Kearney Corporation, St. Louis, Mo. Receptacle. 2,568,725, Sept. 25.

Fienberg, Nathan, Caulfield, and A. B. Calder, Newport, assignors to A. C. I. Plastics Proprietary Limited, Mitcarnes, Victoria, Australia. Finishing apparatus for plastic moldings. 2,568,956, Sept. 25.

Fieser, Louis F., and S. Rajagopalan, Cambridge, Mass., said Fieser assignor to Research Corporation, New York, N. Y., and said Rajagopalan assignor to the United States of America as represented by the Administrator of the Federal Security Agency. Selective oxidation of steroid alcohols. 2,569,300, Sept. 25.

Finck, Joseph L., Brooklyn, N. Y. Heat-insulating unit. 2,569,234, Sept. 25.

Fleck, Harry R., Biggin Hill, and G. B. E. Schueler, North Finchley, London, England. Manufacture of thermosetting resins and molding compositions from wallaba resin. 2,569,301, Sept. 25.

Fletcher, Earl G., Fort Dodge, Iowa. Device for removing and replacing sleeves. 2,568,998, Sept. 25.

Fletcher, Hazel M.: *See*—
Hansen, Arnold M., and Fletcher.

Flude, John W., Houston, Tex. Detector carrier for seismic explorations. 2,568,851, Sept. 25.

Fogle, Merald C.: *See*—
Offutt, William C., and Fogle.

Food Machinery and Chemical Corporation, assignee: *See*—
Andrews, Richard A.
Mumma, Harold J.

Ford Motor Company, assignee: *See*—
Farkas, Eugene J., and Rackle.
Galla, Stephen J.
Scott, Edwin D., and Herider.

Fordon, Lee A., assignee: *See*—
Ulrich, Fred J.

Forssell, Harry, Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Exciting synchronous alternating-current machines across rectifiers. 2,569,302, Sept. 25.

Francis, Charles B., Pittsburgh, Pa., assignor to United States Steel Company. Removing scale from ferrous articles. 2,569,158, Sept. 25.

Franz, Anselm, Wood City, Dayton, Ohio. Air-cooled turbine blade. 2,568,726, Sept. 25.

Freeman, William H., Belmar, N. J. Ultra high frequency vacuum tube oscillator device. 2,568,727, Sept. 25.

Fried, Joseph W., Los Angeles, Calif. Drill press attachment. 2,568,886, Sept. 25.

Friedman, Irmgard, Forest Hills, N. Y. Button fastening device. 2,569,048, Sept. 25.

Friedman, William, Los Angeles, Calif. Disposable syringe. 2,568,915, Sept. 25.

Fuller, Byron A., Neligh, Nebr. Saw table attachment for swivel saws. 2,568,799, Sept. 25.

G-M Laboratories, Inc., assignee: *See*—
McMaster, Archie J., and Kitto.

Galla, Stephen J., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Vehicle window screen. 2,568,800, Sept. 25.

Gamson, Bernard W., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill. Producing carbon, sulfur, and hydrogen compositions. 2,569,095, Sept. 25.

Garbin, Albert J., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of endless V belts. 2,569,303, Sept. 25.

Garrett Brass & Machine Company, Inc., assignee: *See*—
Smith, Jopling P.

Garwood, William E.: *See*—
Rutledge, Thomas F., Seger, Sachanen, and Garwood.

Gear Grinding Machine Company, The, assignee: *See*—
Miller, Fred F., Jr.

Geiger, Hermann, and N. H. Weber, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind. Safety release cam. 2,569,096, Sept. 25.

Gelardin, Benjamin, New York, N. Y. Gas permeable coating for dry cell flashlight batteries. 2,569,159, Sept. 25.

General Aniline & Film Corporation, assignee: *See*—
Kellog, Henry B.
Mackey, F. Scudder.
Witte, Michael.

General Bronze Corporation, assignee: *See*—
Peremi, Edmund, and Weimann.

General Electric Company, assignee: *See*—
Barth, Henry L.
Barton, Leon M.
Dome, Robert B.
Hoare, Stephen C., and Corson.
Jones, Benjamin W.
Scott, Benjamin B.
Shea, Richard F.
Stratton, Jerry L.
Yates, Charles G., Jr.

General Instruments Corporation, assignee: *See*—
Benner, Howard J., and Hadley.

General Motors Corporation, assignee: *See*—
Dickson, John, and Huising.
Grange, Howard L., and Hanink.
Hendricks, Curtis W., and Ogden.
Schjolin, Hans O.

General Precision Laboratory Incorporated, assignee: *See*—
Greenwood, Ivan A., Jr., and Hirsch.
King, George W. and Gillette.

Gerrard Industries Limited, assignee: *See*—
Batten, Alfred J.

Giauque, Charles A., Berwyn, assignor to Crane Co., Chicago, Ill. Strainer. 2,569,413, Sept. 25.

Gieseke, Elmer W.: *See*—
Jayne, David W., Day, and Gieseke.

Giesen, Arthur A., assignor to Boiler Specialties Corporation, Chicago, Ill. Boiler skimmer. 2,569,160, Sept. 25.

Gilbert & Barker Manufacturing Company, assignee: *See*—
Meah, Theodore J.

Gilbert, William I.: *See*—
Montgomery, Charles W., Gilbert, and Kline.

Gillette, Frank N.: *See*—
King, George W., and Gillette.

Girardot, La Mar C.: *See*—
Brown, William T., and Girardot.

Giusti, Raolo B.: *See*—
Giusti, Tito and R. B.

Giusti, Tito and R. B., London, England. Regulating air-charging means for ice-cream freezers. 2,569,235, Sept. 25.

Gledhill, Melvin C., Las Cruces, N. Mex. Cutting torch attachment. 2,569,304, Sept. 25.

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Variable frequency oscillator. 2,568,852, Sept. 25.

Godefroy, Johan, Overveen, Netherlands. Thermostatic device for controlling heating apparatus. 2,568,916, Sept. 25.

Godley, Philip, 2nd, Lexington, and W. O. Di Pietro, Watertown, assignors to National Research Corporation, Cambridge, Mass. Production of metal-free stripes on metal-coated sheet material. 2,569,414, Sept. 25.

Godman, H. C., Company, The, assignee: *See*—
Heuselberg, Arthur F.

Golay, Charles R., Cambridge City, Ind. Side delivery truck body. 2,569,161, Sept. 25.

Goldman, M., & Company, Inc., assignee: *See*—
Silver, Leonard H., and Cohen.

Goldsby, Fred L., and C. M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company. Wiper for floating roof tanks. 2,568,728, Sept. 25.

Good, Francis R., U. S. Navy. Overhead valve lubricating and cooling apparatus. 2,568,729, Sept. 25.

Goodman Manufacturing Company, assignee: *See*—
Pratt, Charles A.

Goodrich, B. F., Company, The, assignee: *See*—
Garbin, Albert J.

Goodwin, Mary N., Tappahannock, Va. Cosmetic spreader and smoother. 2,568,853, Sept. 25.

Gordon, Herman N., New York, N. Y. Stenciling apparatus. 2,569,049, Sept. 25.

Gordon, James F., assignor to Bendix Aviation Corporation, Towson, Md. Phonograph pickup mounting. 2,569,305, Sept. 25.

Gowland, Catherine C. B., Narberth, Pa. Sifting container construction comprising a perforated plastic lid and a rotatable perforated plastic cap. 2,569,162, Sept. 25.

Graber Company, The, assignee: *See*—
Graber, Joseph V.

Graber, Joseph V., assignor to The Graber Company, Middleton, Wis. Adjustable drapery crane. 2,569,376, Sept. 25.

Graham, George E. G., Streatham, assignor to Cinema-Television Limited, London, England. Polarity reverser. 2,568,801, Sept. 25.

Grange, Howard L., Darlington, Wis., and D. K. Hanink, Birmingham, assignors to General Motors Corporation, Detroit, Mich. Coating ferrous metal with aluminum or an aluminum alloy. 2,569,097, Sept. 25.

Grant, James E.: *See*—
Weber, Richard, and Grant.

Gravley, Charles K., Lakewood, assignor to The Brush Development Company, Cleveland, Ohio. Making a ceramic body. 2,569,163, Sept. 25.

Gray, Peter, assignor to Milrose Foods Company, Pittsburgh, Pa. Sealing openings in shell eggs. 2,568,917, Sept. 25.

Great Lakes Carbon Corporation, assignee: *See*—
Gamson, Bernard W.

Greeley, Joseph T., Philadelphia, Pa., assignor to National Lead Company, New York, N. Y. Journal lubricator. 2,568,854, Sept. 25.

Green, Andrew: *See*—
Rich, Howard B., and Green.

Greenberger, Joseph I.: *See*—
Stone, Morris D., and Greenberger.

Greenwood, Ivan A., Jr., Pleasantville, and J. D. Hirsch, New Rochelle, N. Y., assignors to General Precision Laboratory Incorporated. Variable sweep circuit. 2,569,164, Sept. 25.

Gref, William C. and W. H., Westport, Conn. Article lifting and transporting dolly. 2,569,050, Sept. 25.

Gref, William H.: *See*—
Gref, William C., and W. H.

Groff, Howard M., Mount Joy, Pa., assignor to Conmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,569,051, Sept. 25.

Grommes, Frank E., Pittsburgh, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Wrench operated tap changer mechanism. 2,568,887, Sept. 25.

Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Reset circuit for electronic counters. 2,568,918, Sept. 25.

Grove, George H., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of sulfur. 2,569,375, Sept. 25.

Grueneberg, Walter A., assignor to Jackson & Church Company, Saginaw, Mich. Machine for the manufacture of molded building units. 2,568,802, Sept. 25.

Guenst, William, Wyncote, Pa. Etching machine. 2,568,803, Sept. 25.

Gulf Research & Development Company, assignee: *See*—
Burk, Herbert S.
Montgomery, Charles W., Gilbert, and Kline.
Montgomery, Charles W., Sumner, and Berg.
Offutt, William C., and Fogle.

Gullixson, Harold R., Arlington, Va., assignor, by mesne assignments, to Ditto, Incorporated, Chicago, Ill. Cleaning ink applying mechanisms and material used therein. 2,569,052, Sept. 25.

Gunser, John, Chicago, Ill. Automatic fish-hooking device. 2,568,999, Sept. 25.

Guthmann, Hans, Pasadena, Md. Apparatus for forming flutes in hollow lampposts. 2,568,730, Sept. 25.

Haapala, Levi, Dassel, assignor to Whiteley and Caine, Minneapolis, Minn. Machine for shredding and disintegrating vegetable stalks. 2,569,307, Sept. 25.

Haapala, Levi, Dassel, assignor to Whiteley and Caine, Minneapolis, Minn. Machine for shredding and disintegrating vegetable stalks. 2,569,308, Sept. 25.

Hadfield, Bertram M., Harrow Weald, England, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Frequency selective circuit. 2,569,000, Sept. 25.

Hadley, Allan M.: *See*—
Benner, Howard J., and Hadley.

Hahn, Paul R. T.: *See*—
Reiss, Raymond H., and Hahn.

Hake, Elmer C., assignor to Snap-On Drawer Company, Morrow, Ohio. Interlocking drawer housing. 2,569,236, Sept. 25.

Halford, James A., Seattle, Wash. Lawn sprinkler system. 2,569,432, Sept. 25.

Hall, John M., New York, N. Y. Ear cleaning instrument. 2,569,237, Sept. 25.

Hall, Oliver C., Fair Lawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic telephone system auxiliary line finder arrangement. 2,568,804, Sept. 25.

Hall, Ralph J., assignor to Millsite Tackle Company, Howell, Mich. Wobble plate for fish lures. 2,569,165, Sept. 25.

Hamilton Watch Company, assignee: *See*—
Bennett, William O., Jr.

Hammerschmidt, Andrew L.: *See*—
Duke, Vernon J., and Hammerschmidt.

Hanink, Dean K.: *See*—
Grange, Howard L., and Hanink.

Hans, Edmund E., Detroit, Mich. Carburetor. 2,569,377, Sept. 25.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Vacuum tube and circuit therefor. 2,568,855, Sept. 25.

Hansen, Arnold M., Berwyn, and H. M. Fletcher, Hyattsville, Md., dedicated to the free use of the people in the territory of the United States. Instrument for measuring elasticity and elastic recovery of textile fabric. 2,568,731, Sept. 25.

Hanson, Olaf M., Chicago, and C. B. Linn, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Concentrating hydrogen fluoride. 2,568,889, Sept. 25.

Hansson, Bror O. N., Angby, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric condenser. 2,569,306, Sept. 25.

Harber, Joseph N., Jr., Seminole, Okla. Machine tool for engine bearings. 2,569,238, Sept. 25.

Hardy, Paul E.: *See*—
Leyonmark, George F., and Hardy.

Hare, Rose M., Emsworth, Pa. Basic dress pattern sheet. 2,568,805, Sept. 25.

Harpt, Ralph E.: *See*—
Christenson, Roger M., and Harpt.

Harstick, William H., Oak Park, Ill., assignor to International Harvester Company. Pressure responsive speed indicator and governor. 2,569,166, Sept. 25.

Hart, William F.: *See*—
Niederl, Joseph B., Hart, and McGreal.

Hartdorn, Edward G., Dover, N. J. Removable endless track pad. 2,568,732, Sept. 25.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Hepp, Gerard.
Van Overbeek, Adrianus J. W. M.

Hartmann, Albert E., New York, N. Y. Soap containing handle. 2,568,856, Sept. 25.

Hartmann, Leonhard T.: *See*—
Wethly, Frans, and Hartmann.

Hartmann, Max, Riehen, and S. Studer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Imidazolines. 2,569,415, Sept. 25.

Harvey, Merlin P.: *See*—
Ladd, Elbert C., and Harvey.

Hauck, Harry J.: *See*—
Highberg, George A., and Hauck.

Hauck Manufacturing Company, assignee: *See*—
Turpin, Alexander J.

Healy, George A., Santa Monica, Calif., assignor to Vernon G. Mandt, Columbus, Ohio. Material moving machine. 2,569,053, Sept. 25.

Helbush, Herman H., assignee: *See*—
Wallace, Frank C.

Hellmann, Jay T., Chicago, Ill. Safety razor. 2,569,167, Sept. 25.

Hellwig, Rudolph H., Sun Valley, assignor of 20% to Cameron B. Aikens, Los Angeles, Calif. Spring suspension for vehicles. 2,569,168, Sept. 25.

Henderson, John R.: *See*—
Failor, Charles W., and Henderson.

Hendricks, Curtis W., Detroit, and J. Ogden, Metamora, assignors to General Motors Corporation, Detroit, Mich. Portable cable tester. 2,569,098, Sept. 25.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Knitting machine. 2,568,806, Sept. 25.

Henquet, Andre J., and R. M. Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corp., New York, N. Y. Elimination of tricords in toll exchanges. 2,568,733, Sept. 25.

Hepp, Gerard, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Wave length modulation. 2,569,309, Sept. 25.

Herider, Elmer A.: *See*—
Scott, Edwin D., and Herider.

Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Production of hot-bonded fiber felts. 2,569,169, Sept. 25.

Herr, Richard E., assignor to The Lewis Engineering and Manufacturing Company, Alliance, Ohio. Hedge shear. 2,569,001, Sept. 25.

Herzog, Carl, Montclair, N. J. Producing scoring implements. 2,569,054, Sept. 25.

Herzstark, Curt, Mauren, Liechtenstein. Yieldable lapping plate. 2,569,099, Sept. 25.

Hess, Howard V.: *See*—
Arnold, George B., and Hess.

Hess, William, Hanford, Calif. Rotary portable saw support mitering machine. 2,568,957, Sept. 25.

Hesselberg, Arthur F., assignor to The H. C. Godman Company, Columbus, Ohio. Making shoes. 2,569,055, Sept. 25.

Hey, Henry W., and J. G. Ingres, assignors to Automatic Shifters, Inc., Richmond, Va. Gear shifting mechanism. 2,568,958, Sept. 25.

Heyer, Don, assignor to International Powermatic Corporation, Los Angeles, Calif. Motion picture reproducing apparatus. 2,568,734, Sept. 25.

Heyrovsky, Jaroslav, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia. Apparatus for electrolytic investigation of solutions. 2,569,100, Sept. 25.

Highberg, George A., West Hartford, assignor to The Whiton Machine Company, New London, Conn. Chuck. 2,569,056, Sept. 25.

Highberg, George A., West Hartford, and H. J. Hauck, New Britain, Conn., assignors to Modern Tools, Incorporated. Electric surface gauge. 2,569,433, Sept. 25.

Hill, Luther R.: *See*—
Dickinson, Norman L., Everett, and Hill.
Hill, Walter E.: *See*—
Beggs, Ernst, Hill, and Wintle.
Hinerman, Jack, Amarillo, Tex. Fishing lure. 2,569,057, Sept. 25.
Hirsch, Julian D.: *See*—
Greenwood, Evan A., Jr., and Hirsch.
Hitt, Ivan E., Stockton, Calif. Apparatus for use in finger printing. 2,569,310, Sept. 25.
Hoare, Stephen C., Manchester, and A. J. Corson, Marblehead, Mass., assignors to General Electric Company. Temperature compensated viscous damper. 2,569,311, Sept. 25.
Hobbs, Walter V., Delaware, assignor to Ranco Incorporated, Columbus, Ohio. Forming beryllium-copper alloy bellows. 2,569,058, Sept. 25.
Hoeppner, Conrad H.: *See*—
Krause, Ernst H., and Hoeppner.
Holder, Clinton H., Cranford, N. J., assignor to Standard Oil Development Company. Production of alcohols from carbon monoxide and hydrogen. 2,569,380, Sept. 25.
Hollar, John V., assignor to The La Resista Corset Company, Bridgeport, Conn. Foundation garment. 2,569,379. Sept. 25.
Holloway, John H., Green Bay, and K. G. Jones, De Pere, assignors to Murphy Diesel Company, Milwaukee, Wis. Dual fuel internal-combustion engine. 2,569,002, Sept. 25.
Holm, Charles F., Cliffside Park, N. J. Fishhook suspension device. 2,569,312, Sept. 25.
Holm, Roy T.: *See*—
Melstrom, Donald S., and Holm.
Holmen, Vernon E., Cameron, Wis. Jar vise. 2,569,239, Sept. 25.
Hood, Myron E., Cincinnati, Ohio. Gas mixing device for draught beer dispensing. 2,569,378, Sept. 25.
Hooe, Hunter E., assignor to The McBee Company, Athens, Ohio. Sorting device for punched cards. 2,569,170, Sept. 25.
Hooker Electrochemical Company, assignee: *See*—
Osborne, Sidney G., and Mitchell.
Hopkins, Edward W., Longmeadow, Mass. Securing means. 2,568,735, Sept. 25.
Hoppe, William, Longmeadow, assignor to National Bread Wrapping Machine Co., East Longmeadow, Mass. Label severing and applying machine. 2,569,101, Sept. 25.
Horn, Chris A., Minneapolis, Minn. Bearing mounting for rotary tool units. 2,569,313, Sept. 25.
Horowitz, Ruth G., Detroit, Mich. Hair puffing comb device. 2,568,890, Sept. 25.
Howard, Frank S.: *See*—
Spurlin, Charles H., and Howard.
Howard, Kenneth L., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. N,N-dimethyl-N'-(4-halobenzyl)-N'-(2-pyridyl) ethylene diamines and preparation of the same. 2,569,314, Sept. 25.
Howe, Ira F., Chicago, Ill. Flood control system. 2,569,102, Sept. 25.
Huber, Robert, Bellevue, and P. V. Félix, Paris, France, assignors to "Societe d'Etudes & de Participations: Eau, Gaz, Electricite, Energie," S. A., Geneva, Switzerland. Internal-combustion engine piston. 2,569,103, Sept. 25.
Huff, Melvin O., Fostoria, and A. W. Seidler, Cleveland, Ohio, assignors by mesne assignments to Union Carbide and Carbon Corporation. Welded rivet construction for electrical brushes and contacts. 2,569,059, Sept. 25.
Hughes, Huber C., Sapulpa, Okla. Swing. 2,569,060, Sept. 25.
Hulsing, Kenneth L.: *See*—
Dickson, John, and Hulsing.
Hulson Company, assignee: *See*—
Simonson, Sigvard.
Hunt, William E., Brooklyn, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn. Constant speed tilting helicopter rotor head. 2,569,061. Sept. 25.
Hunter Douglas Corporation, assignee: *See*—
Hunter, Joseph L.
Roper, Marcel.
Hunter, Joseph L., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Venetian blind. 2,569,171. Sept. 25.
Hupp, Edward E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,569,003, Sept. 25.
Hydro-Cam Drives Corporation, assignee: *See*—
McKibben, Horace E., and Newton.
Illies, Henry F., Fosston, Minn. Portable derrick crane. 2,568,959, Sept. 25.
Imber, Jack, Greenford, England. Liquid fuel burner radiant heating element. 2,569,315, Sept. 25.
Independent Pneumatic Tool Company, assignee: *See*—
Larson, Gilbert B.
Ingres, Jeannot G.: *See*—
Hey, Henry W., and Ingres.
Inland Wire Products Company, assignee: *See*—
Tubbs, Orville M.
Interchemical Corporation, assignee: *See*—
Rosn, Leo, and Smith.
International Harvester Company, assignee: *See*—
Harstick, William H.
Karlsson, Elof K.
Peterson, Walter R., and Johnson.
Peterson, Walter R., and Radtke.
Pool, Stuart D., and Prosser.
Pool, Stuart D., and Shager.
Smith, Lewis E.
International Powermatic Corporation, assignee: *See*—
Heyer, Don.
International Standard Electric Corporation, assignee: *See*—
Beck, Arnold H. W.
Delorraine, Edmond M., and Reeves.
Earp, Charles W., and Wintle.
Henquet, Andre J., and Mauge.
McWhirter, Eric M. S., and Ward.
McWhirter, Eric M. S., Warden, and Ward.
Richards, Edward A., and Ellison.
Seis, Jacques.
Smith, William F.
Ischinger, Alfred E., Reading, Pa. Hosiery. 2,569,434, Sept. 25.
J & J Tool & Machine Co., assignee: *See*—
Junkunc, Bela B.
Jackson & Church Company, assignee: *See*—
Grueneberg, Walter A.
Perrot, David L.
Jacobs, Leslie C., Ventura, Calif. Colostomy toilet. 2,568,857, Sept. 25.
Jacobsen, Le Roy V., Durant, assignor to Bee-Line Company, Davenport, Iowa. Camber and caster gauge. 2,569,416, Sept. 25.
Jaenchen, Max, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio. Mandrel bar support. 2,569,104, Sept. 25.
James, William J., Richmond, Calif. Magnetic position responsive device. 2,569,105, Sept. 25.
James, William J., and W. G. Bayha, Berkeley, Calif.: said Bayha assignor to said James. Position indicator. 2,569,106, Sept. 25.
Jaye, John R., Lake Worth, Fla. Heat exchange apparatus. 2,568,807, Sept. 25.
Jayne, David W., Old Greenwich, H. M. Day, Stamford, and E. W. Gieseke, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Beneficiation of acidic minerals. 2,569,417, Sept. 25.
Jensen, Charley T., Sacramento, Calif. Airplane mounted dust distributor. 2,569,172, Sept. 25.
Jerman, Daniel L., Teaneck, N. J. Differential pressure closed safety valve. 2,569,316. Sept. 25.
Johanson, Karl E., Oak Lawn, Ill. Automatic overhead door. 2,568,808, Sept. 25.
Johnson, Clarence V., Yates Center, Kans. Combined toy building and puzzle. 2,569,107, Sept. 25.
Johnson, Erwin R.: *See*—
Peterson, Walter R., and Johnson.
Johnson, S. C., & Son, Inc., assignee: *See*—
Westrich, Henry A.
Jones, Benjamin W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,569,317, Sept. 25.
Jones, Kenneth G.: *See*—
Holloway, John H., and Jones.
Jones, Otha C., Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo. Producing phosphorus sulfides. 2,569,128, Sept. 25.
Joy, Joseph F., assignor to Joy Manufacturing Company, Pittsburgh, Pa. Laterally flexible mine conveyer. 2,569,004. Sept. 25.
Joy Manufacturing Company, assignee: *See*—
Joy, Joseph F.
Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Bela B.
Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Bela B.
Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J & J Tool & Machine Co., Chicago, Ill. Top structure for Venetian blinds. 2,569,173. Sept. 25.
Junkunc, Joseph G., assignee: *See*—
Junkunc, Bela B.
Justus, William R., Chicago, Ill. Finger tip shield and applicator. 2,569,381, Sept. 25.
Kaiser, Emil, assignor to Armour and Company, Chicago, Ill. Tetrahalomethylhexestrols and derivatives thereof. 2,568,809, Sept. 25.
Kaiser Steel Corporation, assignee: *See*—
Larsen, Einar T.
Kals, Walter, assignor to Niagara Blower Company, New York, N. Y. Heat exchange apparatus. 2,568,891, Sept. 25.
Kamm, George N., Detroit, Mich., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Spectrum analyzer. 2,569,129, Sept. 25.
Kardorff, Leon, Jackson Heights, assignor to Automatic Injection Machines Corp., New York, N. Y. Thermoplastic injection molding apparatus. 2,569,174, Sept. 25.
Karlsson, Elof K., Moline, Ill., assignor to International Harvester Company. Ribbed corn snapping roll with rubber inserts. 2,569,175, Sept. 25.

Katcher, Morris, New York, N. Y. Check valve. 2,569,176, Sept. 25.
Katsetos, Christos M., Cincinnati, Ohio, assignor to The Ohio Advertising Display Company. Electrical display sign. 2,569,130, Sept. 25.
Kaye, Maxwell M., Newark, N. J. Spectacles with perfume dispenser. 2,568,919, Sept. 25.
Kearney, James R., Corporation, assignee: *See*—
Fey, Harry J.
Keeler-Cochrane Heel Co., assignee: *See*—
Lavin, Justin P.
Keight, Albert W., Cumberland, Md., assignor to Celanese Corporation of America. Yarn package support. 2,568,892, Sept. 25.
Kellog, Henry B., Weehawken, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. 3-azo derivatives of 1-substituted 2,5-diketo-7-methylpyrimidopyrazoles. 2,569,418, Sept. 25.
Kellogg, M. W., Company, The, assignee: *See*—
Burton, William P., and McGrath.
Dickinson, Norman L., Everett, and Hill.
Kells, Edward L.: *See*—
Miller, Glen W., and Kells.
Kendall, Myron A., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Self-aligning carrier for belt conveyers. 2,569,419, Sept. 25.
Kern, Walter: *See*—
Morgell, Eduard, and Kern.
Kershaw, John G., Oak Bay, Victoria, British Columbia, assignor to Drummondville Cotton Company Limited, Montreal, Quebec, Canada. Winder. 2,568,960, Sept. 25.
Kersten, Herbert H., Iowa City, Iowa. Sail for sailing craft. 2,569,318, Sept. 25.
Kiley, Lewis Y.: *See*—
Ladd, Elbert C., and Kiley.
Kindling, Alexander, East Pittsburgh, Pa. Machine-tool fixture. 2,569,005, Sept. 25.
King, Ernest L., administrator: *See*—
King, Frank A.
King, Frank A., deceased, late of Los Angeles, Calif., by W. S. King, Tujunga, E. L. King, Los Angeles, Calif., and A. W. Tedstrom, Parsons, Kans., administrators, assignors to M. L. King, Tujunga, Calif. Reeling mechanism. 2,569,006, Sept. 25.
King, George W., and F. N. Gillette, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated. Line brightness equalization circuit. 2,569,240. Sept. 25.
King, Mary L., assignee: *See*—
King, Frank A.
King, William S., administrator: *See*—
King, Frank A.
Kingsbury Machine Works, Inc., assignee: *See*—
Lakey, Arthur B.
Kingston Products Corporation, assignee: *See*—
Geiger, Hermann, and Weber.
Kinraide, William T. R., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for treating shaped articles with fluids. 2,568,920, Sept. 25.
Kipp, Ralph P., Ossining, N. Y. Sheet material cutting device. 2,568,961, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Chemical demulsifying composition and demulsification method. 2,568,742, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Resolving emulsions. 2,568,743, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Demulsifying composition and breaking an oil-in-water emulsion. 2,568,745, Sept. 25.
Kirkpatrick, Willard H., and D. L. Wilson, Sugar Land, assignors to Visco Products Company, Houston, Tex. Alkylated polycyclic sulfonates. 2,568,736, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and D. L. Wilson, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Reverse detergents. 2,568,737, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and D. L. Wilson, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Resolving emulsions. 2,568,738, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and E. T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Resolving emulsions. 2,568,739, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and D. L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex. Demulsifying compositions. 2,568,740, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and E. T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Process and compositions for resolving petroleum emulsions. 2,568,741, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and D. L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex. Emulsion breaking. 2,568,746, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and E. T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex. Mixed ester amine polybasic acid compositions. 2,568,747, Sept. 25.
Kirkpatrick, Willard H., Sugar Land, Tex., and D. L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex. Compositions and process for resolving emulsions. 2,568,748, Sept. 25.
Kish, Michael, Jr., Hightstown, assignor to Atlantic Products Corporation, Trenton, N. J. Golf bag. 2,568,810, Sept. 25.
Kittel, Walter, Gmunden, Austria. Contact plate construction. 2,568,749, Sept. 25.
Kitto, William H.: *See*—
McMaster, Archie J., and Kitto.
Kjeldergaard, Albert O., Bejou, Minn. Signaling device for indicating fires or high-temperature conditions in room areas. 2,569,062, Sept. 25.
Klein, Joseph, Richmond Hill, N. Y. Combination purse and billfold. 2,569,241. Sept. 25.
Kleinert, I. B., Rubber Co., assignee: *See*—
Collester, Maude P.
Kline, Robert E.: *See*—
Montgomery, Charles W., Gilbert, and Kline.
Klyce, David J., Los Angeles, Calif. Folding table. 2,569,007, Sept. 25.
Koch, Frederick, Sparta, assignor to Associated Patentees, Inc., Ampere, N. J. Roller type brake. 2,569,108, Sept. 25.
Kocher, Earl T.: *See*—
Kirkpatrick, Willard H., and Kocher.
Kocher, Earl T., Bellflower, Calif., assignor to Visco Products Company, Houston, Tex. Demulsification process and composition. 2,568,744, Sept. 25.
Koegler, Milton, and S. Silverstein, Jacksonville, Fla. Multipurpose bracket. 2,569,063, Sept. 25.
Kors, Harry D., Independence, Kans. Tire lifter. 2,569,242, Sept. 25.
Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing adducts. 2,569,420, Sept. 25.
Kovac, James J., assignor to Wingfoot Corporation, Akron, Ohio. Automatic adjustment piston stop. 2,568,858, Sept. 25.
Kovacs, Julius P., assignor to Purolator Products, Inc., Newark, N. J. Filter. 2,569,243, Sept. 25.
Kraft, Alphons N., Madison, Wis. Cleaning tool having hooklike elements connected to a flexible rod by fully reversible, freely operable hinge joints, and hooklike elements therefor. 2,569,008, Sept. 25.
Krause, Ernst H., Cheverly, Md., and C. H. Hoeppner, Washington, D. C. Discriminator circuit. 2,568,750, Sept. 25.
Krauthamer, Josef, New York, N. Y. Extensible member for adjustably attaching a light diffuser to a lighting. 2,568,893, Sept. 25.
Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion chamber with rotating fuel nozzles. 2,568,921, Sept. 25.
Krug, Oliver J., San Bernardino, Calif. Ventilating apparatus. 2,569,319, Sept. 25.
Kuempel, Leon L., Cincinnati, Ohio. Refrigerating apparatus for vehicles. 2,569,009, Sept. 25.
Kupke, Harry: *See*—
Roscoe, John W., and Kupke.
Kurek, Michael, Crafton, Pa. Rotary electric switch. 2,569,177, Sept. 25.
Kushner, Samuel: *See*—
Cassell, Robert T., and Kushner.
Kuzmitz, Frank V., and B. J. South, assignors to Bendix Aviation Corporation, South Bend, Inc. Gun sight. 2,569,010, Sept. 25.
Ladd, Elbert C., Passaic, and L. Y. Kiley, Hasbrouck Heights, N. J., assignors to United States Rubber Company, New York, N. Y. Making trichloromethyl compounds. 2,568,859, Sept. 25.
Ladd, Elbert C., and M. P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y. Gamma lactones. 2,569,064, Sept. 25.
Lakey, Arthur B., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Spherical thrust bearing. 2,569,178, Sept. 25.
Lanchart, Jack, Brooklyn, N. Y. Food handling spoon. 2,569,179, Sept. 25.
Landis & Gyr, A. G., assignee: *See*—
Tobler, Hans.
Landis, Phillip S.: *See*—
White, Ralph V., Norris, and Landis.
Laprise, Adrien, Trois-Rivieres, Quebec, Canada. Apparatus for unloading conveyer belts. 2,569,011, Sept. 25.
La Resista Corset Company, The, assignee: *See*—
Hollar, John V.
Larrison, Millard S.: *See*—
Burns, Frank B., and Larrison.
Larsen, Einar T., Oakland, Calif., assignor to Kaiser Steel Corporation. Graving dock. 2,568,751, Sept. 25.
Larsen, Victor A., Chicago, Ill. Vehicle window weather strip. 2,568,811, Sept. 25.
Larson, Gilbert B., Geneva, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Portable power-driven tool. 2,569,244, Sept. 25.

Larson, Hokan L., Fairview, Alberta, Canada, assignor of one-fourth to A. M. Nordlie, Martin, N. Dak. Seeder and fertiliser distributor. 2,569,421, Sept. 25.

Lathrop-Paulson Company, The, assignee: *See*—
Schwarzkopf, Vergil.

Lauer, Léon N., Clichy, France, assignor to Bendix Aviation Corporation, New York, N. Y. Internally expanding brake actuator. 2,569,012, Sept. 25.

Lavin, Justin P., assignor to Keeler-Cochrane Heel Co., Haverhill, Mass. Plastic reinforced leather heel. 2,569,065, Sept. 25.

Lawler, Frank J., assignee: *See*—
Motel, John.

Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Feed chute and guide for can body carrying turrets. 2,569,180, Sept. 25.

Laxo, Ed., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Can body blank hook forming apparatus. 2,569,181, Sept. 25.

Lay, Reo: *See*—
Phillips, Fay, and Lay.

Lea, Henry V., assignor of one-half to Blackwelder Manufacturing Co., Rio Vista, Calif. Spray type plant blocking machine. 2,569,320, Sept. 25.

Leach, Raymond A., Los Angeles, Calif. Award dispensing machine. 2,569,382, Sept. 25.

Lee, John G., Farmington, assignor to United Aircraft Corporation, East Hartford, Conn. Aircraft control means. 2,568,812, Sept. 25.

Leininger, Paul M., Grand Island, and H. Farrell, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Carburization of ferrous metals. 2,568,860, Sept. 25.

Levesque, Charles L.: *See*—
De Benneville, Peter L., and Levesque.

Levesque, Charles L., assignor to Rohm & Haas Company, Philadelphia, Pa. Alpha-hydroxydecanoic acid. 2,569,422, Sept. 25.

Levy, Joseph, Union, assignor to Nopco Chemical Company, Harrison, N. J. Production of arecoline. 2,569,182, Sept. 25.

Lewis Engineering and Manufacturing Company, The, assignee: *See*—
Herr, Richard E.

Lewis, Robert M., Summersville, W. Va. Cutter bit for mining machines. 2,569,066, Sept. 25.

Leyonmark, George F., Avenel, and P. E. Hardy, Elizabeth, N. J., assignors to Standard Oil Development Company. Polymeric hydrocarbon drying oils. 2,569,383, Sept. 25.

Lidin, Sigfrid E., Stockholm, assignor to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden. Pivot for horizontally swinging windows. 2,569,109, Sept. 25.

Liebermecht, Karl, Inc., assignee: *See*—
Zoech, Eugene M.

Liguori, Anthony, New York, N. Y., assignor to Radio Corporation of America. Compensating amplifier for facsimile recording lamps. 2,569,321, Sept. 25.

Lily-Tulip Cup Corporation, assignee: *See*—
Asaberg, Walter E.

Lincoln Iron Works, assignee: *See*—
Davis, Richard H.

Lindahl, Henning W., Landskrona, assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden. Can opener. 2,568,962, Sept. 25.

Lindberg, Arne: *See*—
Birnö, Bo, and Lindberg.

Lindemer, Joseph B., assignee: *See*—
Tallaksen, Olaf.

Linn, Carl B.: *See*—
Hanson, Olaf M., and Linn.

Lippard, Herman I., Lake Worth, Fla. Setting means for endless type members. 2,569,013, Sept. 25.

Livermore, Earl L., Los Angeles, Calif. Elevation adjustment for gun-mounted telescopes. 2,569,183, Sept. 25.

Livshin, Fay, Syracuse, N. Y. Wash mitten. 2,569,067, Sept. 25.

Lochridge, Edwin H., Los Angeles, Calif., assignor to Dental Perfection Company. Dental impression composition. 2,568,752, Sept. 25.

Logan, Ian M.: *See*—
Schroeder, Herbert S., and Logan.

Longini, Charles, Cincinnati, Ohio. Making slip-lasted shoes having metatarsal pads. 2,569,184, Sept. 25.

Lorac Company, Inc., The, assignee: *See*—
Carroll, John, Jr.

Lovell Manufacturing Company, assignee: *See*—
Zupanick, Frank J.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Garment hanger. 2,568,753, Sept. 25.

Luenberger, Frederick O., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Preventing air leakage through lubricated bearings. 2,568,861, Sept. 25.

Lundberg, Bo K. O., Appelviken, assignor to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden. Jet-propelled aircraft with boundary layer control. 2,568,813, Sept. 25.

Lupish, Walter, New Hyde Park, assignor to Faximile, Inc., New York, N. Y. Facsimile recorder helical electrode mounting. 2,568,754, Sept. 25.

Lusskin, Leo S., assignor to Rohm & Haas Company, Philadelphia, Pa. Preparing phenoxyalkyl bromide. 2,569,423, Sept. 25.

Mackey, E. Scudder, Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. 4-benzoylresorcinol as an ultraviolet absorbent. 2,568,894, Sept. 25.

Malcher, Otto, Chicago, Ill. Forward rowing mechanism. 2,569,245, Sept. 25.

Malone, Homer F., assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield wiper. 2,568,922, Sept. 25.

Mandt, Vernon G., assignee: *See*—
Healy, George A.

Marcellus, Ada, New York, N. Y. Powder box compact. 2,568,814, Sept. 25.

Marcellus, Ada C., New York, N. Y. Combined eyelash curler, mascara applicator, and remover. 2,569,246, Sept. 25.

Markarian, Mousby, assignor to Sprague Electric Company, North Adams, Mass. Pentachlorostyrene and polymers thereof. 2,569,131, Sept. 25.

Marrier, Leo J., Milwaukee, Wis. Truss. 2,568,815, Sept. 25.

Martin, Constant, Versailles, France. Electrical musical instrument with vibratory string. 2,568,862, Sept. 25.

Martin, David E., Xenia, Ohio. Gun rest. 2,569,435, Sept. 25.

Martin, Dwight R.: *See*—
Warner, De Ver K., Martin, and Bellows.

Martin, Marion E., administratrix: *See*—
Martin, Otis C.

Martin, Otis C., deceased; by M. E. Martin, administratrix, Los Angeles, Calif., assignor to H. Nock, Elizabeth, N. J. Valve construction. 2,569,014, Sept. 25.

Marus, Edward, North Bergen, N. J. Tile cutting device. 2,568,816, Sept. 25.

Marx, Louis, & Company, Inc., assignee: *See*—
Rexford, Willis E., and Weidler.

Mauge, Roger M.: *See*—
Henquet, Andre J., and Mauge.

Maxwell, John, Elizabeth, N. J. Portable lamp with reflector and guard. 2,569,068, Sept. 25.

May, Bertram, New York, N. Y. Sectional perforating die. 2,568,863, Sept. 25.

Mayhew, Elton C., assignor to The Sterling Manufacturing Company, Torrington, Conn. Fishing reel. 2,569,322, Sept. 25.

Mayhew, Elton C., and A. W. Round, assignors to The Sterling Mfg. Co., Torrington, Conn. Fly-tying vise. 2,569,424 Sept. 25.

Maynard, Poole, Atlanta, Ga. Making lightweight aggregate. 2,569,323, Sept. 25.

Mazzola, Frank, Bronx, N. Y., and M. Mazzola, Cresskill, N. J. Pot and sink protector. 2,569,247, Sept. 25.

Mazzola, Michele: *See*—
Mazzola, Frank and M.

McAteer, James H.: *See*—
Morrell, Charles E., and McAteer.

McBee Company, The, assignee: *See*—
Hooe, Hunter E.
Welk, Nelson S.

McClintock Manufacturing Company, assignee: *See*—
Williams, Robert A.

McGauley, Patrick J., Glen Cove, and E. S. Roberts, assignors to Chemical Construction Corporation, New York, N. Y. Recovery of copper from its ores and minerals. 2,568,963, Sept. 25.

McGillis, Hugh D.: *See*—
McGillis, John J. and H. D.

McGillis, John J. and H. D., Brockton, Mass. Liquid control for storage tanks. 2,569,110, Sept. 25.

McGrath, Henry G.: *See*—
Burton, William P., and McGrath.

McGreal, Martin E.: *See*—
Niederl, Joseph B., Hart, and McGreal.

McKay, H. Dexter, executor: *See*—
Bertea, Alex.

McKibben, Horace E., Grand Junction, and B. I. Newton, South Haven, assignors to Hydro-Cam Drives Corporation, Grand Rapids, Mich. Hydraulic pump or motor. 2,569,185, Sept. 25.

McMaster, Archie J., and W. H. Kitto, assignors to G-M Laboratories, Inc., Chicago, Ill. Slide projector with cooling fan and motor assembly. 2,568,895, Sept. 25.

McNeary, Samuel S., Ardmore, Pa., and W. R. Berry, Camden, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Expansion joint apparatus. 2,568,923, Sept. 25.

McWhirter, Eric M. S., F. W. Warden, and H. J. Ward, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electrical consumption and control measuring equipment. 2,568,755, Sept. 25.

McWhirter, Eric M. S., and H. J. Ward, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Reservation system. 2,568,756, Sept. 25.

Mefina S. A., assignee: *See*—
Casas-Robert, Ramon.

Mega Corporation, assignee: *See*—
Seaman, Richard H.

Meier, Edward E., assignor to Central Brass & Iron Foundry, Portland, Oreg. Pressure delay valve. 2,568,924, Sept. 25.

Melstrom, Donald S., and R. T. Holm, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of triketones. 2,569,132, Sept. 25.

Mesh, Theodore J., Easthampton, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Vibratory electric motor. 2,568,757, Sept. 25.

Microrex, assignee: *See*—
Rosaz, François M.

Miehle Printing Press & Manufacturing Company, assignee: *See*—
Peyrebrune, Henri E.

Mihal, Dan J.: *See*—
Nordenson, Willard H., and Mihal.

Miller, Frank P., Chicago, Ill. Highway crossing signaling device. 2,569,111, Sept. 25.

Miller, Fred F., Jr., Berkley, assignor to The Gear Grinding Machine Company, Hamtramck, Mich. Differential gearing. 2,569,015, Sept. 25.

Miller, George L., Canton, Ohio. Making hollow axles. 2,569,248, Sept. 25.

Miller, Glen W., Covina, and E. L. Kells, Alhambra, Calif. Heat exchange surface construction and device embodying the same. 2,569,112, Sept. 25.

Miller, Lee F.: *See*—
Barnhart, Merle E., and Miller.

Miller, Louis G.: *See*—
Wright, Charles M., and Miller.

Miller, Monroe E., Washington, D. C. Static discharge device. 2,569,249, Sept. 25.

Mills, Gordon F., Palo Alto, Calif., and J. L. Porter, Baton Rouge, La., assignors to Chemical Process Company, San Francisco, Calif. Sugar sirup preparation. 2,568,925, Sept. 25.

Millsite Tackle Company, assignee: *See*—
Hall, Ralph J.

Milrose Foods Company, assignee: *See*—
Gray, Peter.

Mims, Henry B., assignee: *See*—
Mims, Samuel S.

Mims, Samuel S., Atlanta, Ga., assignor of one-half to H. B. Mims, Houghton Lake, Mich. Dehorning device. 2,569,250, Sept. 25.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wild, Rudolf F.

Minneapolis-Moline Company, assignee: *See*—
Seaholm, Paul C.

Mitchell, Aloysius: *See*—
Osborne, Sidney G., and Mitchell.

Mitchell, Gavin G., Decatur, Ill. Embalming apparatus. 2,569,016, Sept. 25.

Mock, Frank C.: *See*—
Schnaible, Albert P., and Mock.

Modern Tools, Incorporated, assignee: *See*—
Highberg, George A., and Hauck.

Moffett, Walter K., Flint, Mich., and C. J. Welz, Westfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flash dry wood filler. 2,568,864, Sept. 25.

Monsanto Chemical Company, assignee: *See*—
Butler, John M.
Cowell, Elmer E., and Darby.
Dazzi, Joachim.
Baker, Charles M., and Zienty.
Grove, George H.
Jones, Otha C.
Kosmin, Milton.

Montgomery, Charles W., and G. L. Sumner, Oakmont, Pa., and L. Berg, Bozeman, Mont., assignors to Gulf Research & Development Company, Pittsburgh, Pa. Catalytic isomerization of olefinic hydrocarbons. 2,568,964, Sept. 25.

Montgomery, Charles W., and W. I. Gilbert, Oakmont, and R. E. Kline, Penn Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Coal acid esters as synthetic lubricants. 2,568,965, Sept. 25.

Montreal Trust Company, executor: *See*—
Watts, Albert E.

Moore, John R.: *See*—
Denker, Charles T., and Moore.

Moran Instrument Corporation, assignee: *See*—
Moran, Robert B., Jr.

Moran, Robert B., Jr., assignor to Moran Instrument Corporation, Pasadena, Calif. Distance measurement by echo ranging. 2,568,926, Sept. 25.

Morgan, Erving B., and R. W. Clay, assignors to American Seating Company, Grand Rapids, Mich. Riser type stadium chair. 2,568,896, Sept. 25.

Mörgell, Eduard, Neue Welt, near Basel, and W. Kern, Sissach, assignors to Ciba Limited, Basel, Switzerland. 4 - p - chlorobenzoylaminoanthraquinonebenzacridone. 2,568,966, Sept. 25.

Morrell, Charles E., Westfield, and J. H. McAteer, Cranford, N. J., assignors to Standard Oil Development Company. Recovery of oxygenated compounds from hydrocarbon oils. 2,569,384, Sept. 25.

Morrell, Charles E., Westfield, and J. H. McAteer, Cranford, N. J., assignors to Standard Oil Development Company. Recovery of oxygenated compounds from hydrocarbon oils. 2,569,385, Sept. 25.

Morris, Lawrence W., assignee: *See*—
Curle, George L.

Morrison, Wendell C., Princeton, N. J., assignor to Radio Corporation of America. Computing device. 2,568,927, Sept. 25.

Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus. 2,568,817, Sept. 25.

Moss, Philip H.: *See*—
Cook, Elmer W., and Moss.

Motel, John, Port Clinton, assignor of 30 per cent to F. J. Lawler, Cleveland, and 35 per cent to J. A. Buck, Port Clinton, Ohio. Toolholder. 2,569,069, Sept. 25.

Moyer, Robert B., Los Angeles, Calif. Poker chip stand. 2,569,324, Sept. 25.

Mumma, Harold J., Riverside, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Egg totaliser. 2,568,758, Sept. 25.

Munshower, Clarence F., assignor to Coltemp Corporation, Columbus, Ohio. Automatic ice cube producing and storing apparatus. 2,569,113, Sept. 25.

Murphy Diesel Company, assignee: *See*—
Holloway, John H., and Jones.

Muscat, Victor, Atlantic Beach, and H. F. Temple, Elmont, assignors to Victor Metal Products Corporation, Brooklyn, N. Y. Tubular dispensing container. 2,569,325, Sept. 25.

N. V. Optische Industrie "de Oude Delft," assignee: *See*—
Blaisse, Berndt S., and Bouwers.

Naps, Marguerite: *See*—
Condo, Fred E., and Naps.

National Acme Company, The, assignee: *See*—
Drissner, Alfred E.

National Battery Company, assignee: *See*—
Willihngans, Eugene.

National Blank Book Company, assignee: *See*—
Schade, Frank S.

National Bread Wrapping Machine Co., assignee: *See*—
Hoppe, William.

National Lead Company, assignee: *See*—
Greeley, Joseph T.

National Research Corporation, assignee: *See*—
Godley, Philip, 2d, and Di Pietro.

National-Standard Company, assignee: *See*—
Bailey, Frederick S.

National Steel Corporation, assignee: *See*—
Altenburger, Clarence L.
Thompson, Ralph N.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Kamm, George N.
Trischka, John W., and Sack.

Neighbour, Leonard B., Moline, and H. C. Esbeck, Silvis, assignors to Deere & Company, Moline, Ill. Portable elevator. 2,568,865, Sept. 25.

Newton, Benjamin I.: *See*—
McKibben, Horace E., and Newton.

New York Air Brake Company, The, assignee: *See*—
Safford, Lewis A.

Niagara Blower Company, assignee: *See*—
Kais, Walter.

Nieburg, Felix, assignor to Aktiebolaget Colorator, Stockholm, Sweden. Spraying device and operation thereof. 2,569,251, Sept. 25.

Niederl, J. B., & Associates, Inc., assignee: *See*—
Niederl, Joseph B., Hart, and McGreal.

Niederl, Joseph B., Brooklyn, N. Y., W. F. Hart, Easton, Pa., and M. E. McGreal, Sommersworth, N. H., assignors to J. B. Niederl & Associates, Inc., New York, N. Y. Unsymmetrical quaternary ammonium alkyl sulfates. 2,569,326, Sept. 25.

Nock, Harry, assignee: *See*—
Martin, Otis C.

Nopco Chemical Company, assignee: *See*—
Levy, Joseph.

Nordenson, Willard H., and D. J. Mihal, assignors to Deere Manufacturing Co., Dubuque, Iowa. Bolt retainer and attaching structure for agricultural tractors and implements. 2,568,928, Sept. 25.

Nordlie, Alf. M., assignee: *See*—
Larson, Hokan L.

Norelius, Emil F., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Shaft seal. 2,568,897, Sept. 25.

Norris, Henry D.: *See*—
White, Ralph V., Norris, and Landis.

Norris, Richard O., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Methoxy-ethyl esters of imido acids. 2,569,425, Sept. 25.

North American Aviation, assignee: *See*—
Warner, De Ver K., Martin, and Bellows.

Novotny, Alois, Prague, Czechoslovakia. Producing lactams and their hydrolytic products. 2,569,114, Sept. 25.

Nulty, William B., trustee, assignee: *See*—
Shepard, Ernest L.

Obert, Maximilian J., North Merchantville, N. J., assignor to Radio Corporation of America. Electron beam bender. 2,569,327, Sept. 25.

O'Brien, William J., London, England, assignor, by mesne assignments, to Signal Tuned Radio Corporation, Chicago, Ill. Radio receiver. 2,569,426, Sept. 25.

O'Day, Arthur C., Milton, Mass. Baseboard radiator. 2,568,818, Sept. 25.

O'Donnell, Frank A., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Heel covering machine. 2,569,070, Sept. 25.

Offutt, William C., and M. C. Fogle, Oakmont, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Cracking process. 2,568,967, Sept. 25.

Ogden, Jack: *See*—
Hendricks, Curtis W., and Ogden.

Ogilvie, Frank R., Glendora, assignor to Engine Life Products Corporation, El Monte, Calif. Filter assembly. 2,569,186, Sept. 25.

Ohio Advertising Display Company, The, assignee: *See*—
Katsenos, Christos M.

Oil Well Chemical & Materials Co., Inc., assignee: *See*—
Doscher, Todd M.

Olander, Leonard G., assignee: *See*—
Curie, George L.

Old Town Ribbon & Carbon Co., Inc. of Mass., assignee: *See*—
Robinson, Grant R.

Olevin, Adolph, Brooklyn, N. Y. Memorandum device. 2,568,819, Sept. 25.

Oliver, Leslie W.: *See*—
Clark, Lauriston E., and Oliver.

Omberg, Arthur C., Baltimore, assignor to Bendix Aviation Corporation, Towson, Md. Automatic position plotter. 2,569,328, Sept. 25.

Omeron, Carl J. E., Los Angeles, Calif. Control for enclosed internal-combustion engines. 2,569,252, Sept. 25.

Opland, Herman T., Minneapolis, Minn. Sander tool. 2,569,233, Sept. 25.

Orelind, John R., Wilmette, Ill. Portable milking machine. 2,569,187, Sept. 25.

Orr, Clifford M.: *See*—
Goldsby, Fred L., and Orr.

Osborne, Sidney G., St. Davids, Ontario, Canada, and A. Mitchell, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Operation in electrolytic alkali chlorine cells. 2,569,329, Sept. 25.

Osika, Frank E., Mosinee, Wis. Releasable hook. 2,568,810, Sept. 25.

Osterhof, Harold J., and T. H. Rogers, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Frothed rubber sponge containing fibers. 2,568,866, Sept. 25.

Otis, Herbert C., Dallas, Tex. Well tool. 2,568,867, Sept. 25.

Owens, Jesse C., Los Angeles, Calif. Flush tank control valve. 2,569,017, Sept. 25.

Pace, Carlo, Waterbury, Conn. Lightweight electric motor. 2,569,330, Sept. 25.

Pacific Machinery Company, assignee: *See*—
Pillars, Harry M.

Page, Ansel S., Portland, Oreg. Liquid or air cooled brake drum. 2,568,759, Sept. 25.

Page, John H., assignor of an undivided interest to Shaw-Walker Company, Muskegon, Mich. Insulated posting tray cabinet. 2,569,254, Sept. 25.

Pagliuso, Robert J., Glendale, Calif. Shower head. 2,569,255, Sept. 25.

Palm, George H., assignor to Stewart-Warner Corporation, Chicago, Ill. Hose reel. 2,568,929, Sept. 25.

Palmer, Vincent, Kansas City, Mo. Glass cutting apparatus. 2,569,256, Sept. 25.

Parker, Ralph E., Wichita, Kans. Hot coffee dispenser. 2,569,257, Sept. 25.

Parsons, John B., Toledo, Ohio. Seat adjuster. 2,568,930, Sept. 25.

Paul, Talbert W., assignor to Deere & Company, Moline, Ill. Break-back mower drive. 2,568,931, Sept. 25.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Filter for ultraviolet radiations. 2,568,760, Sept. 25.

Pecher, Albrecht, Orebro, Sweden. Pattern grading machine. 2,569,188, Sept. 25.

Penn Yan Boats, Inc., assignee: *See*—
Brown, Ralph M.

People in the territory of the United States, Dedicated to the free use of the, assignee: *See*—
Hansen, Arnold M., and Fletcher.

Peremi, Edmund, Bayside, N. Y., and H. Weimann, Brentwood, Mo., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Sealing device. 2,569,286, Sept. 25.

Perkins, Alfred R., East Bridgewater, Mass. Remote-control engine starter. 2,569,332, Sept. 25.

Perrin, Malcolm L., Oklahoma City, Okla. Utility window bracket. 2,568,968, Sept. 25.

Perrot, David L., assignor to Jackson and Church Company, Saginaw, Mich. Machine for handling sludge. 2,568,821, Sept. 25.

Pervis, Ralph E., Maitland, Fla. Disk type lawn mower. 2,568,822, Sept. 25.

Peterson, Charles D., assignor to Universal Controls Corporation, Dallas, Tex. Insulated union nipple. 2,569,333, Sept. 25.

Peterson, Paul A., Mellette, S. Dak. Smoking pipe. 2,569,189, Sept. 25.

Peterson, Walter R., Hinsdale, and A. C. Radtke, Oak Park, Ill., assignors to International Harvester Company. Bale handling vehicle. 2,569,190, Sept. 25.

Peterson, Walter R., Hinsdale, Ill., and E. R. Johnson, Ames, Iowa, assignors to International Harvester Company. Wagon unloading attachment for pneumatic elevators. 2,569,191, Sept. 25.

Petterson, Carl, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Controlling ionic valves. 2,569,334, Sept. 25.

Peyrebrune, Henri E., River Forest, assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Pressure adjustment and trip for printing cylinders. 2,568,761, Sept. 25.

Philco Corporation, assignee: *See*—
Eland, Robert C. A.

Phillips, Fay, and R. Lay, Denver, Colo. Finger comb. 2,568,898, Sept. 25.

Phillips, Lawrence H., assignor to O. B. Andrews Company, Chattanooga, Tenn. Automatic lock bottom carton. 2,569,335, Sept. 25.

Phillips Petroleum Company, assignee: *See*—
Crouch, Willie W.

Pillars, Harry M., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Demountable pitting head for peach pitting machines. 2,569,331, Sept. 25.

Pittman, Ralph R., North Little Rock, Ark. High-voltage arc-spinning arrester. 2,569,192, Sept. 25.

Pittsburgh Plate Glass Company, assignee: *See*—
Christenson, Roger M., and Harpt.
Vogel, Henry A.

Podolsky, Leon, Pittsfield, assignor to Sprague Electric Company, North Adams, Mass. Series capacitor protective system. 2,569,133, Sept. 25.

Pool, Stuart D., Moline, and C. D. Prosser, Rock Island, Ill., assignors to International Harvester Company. Adjustable shaft mounting means. 2,569,193, Sept. 25.

Pool, Stuart D., and B. J. Shager, Moline, Ill., assignors to International Harvester Company. Apparatus for plant cultivation. 2,569,194, Sept. 25.

Porter, John L.: *See*—
Mills, Gordon F., and Porter.

Potter, Ralph K., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Loud-speaking telephone set. 2,568,823, Sept. 25.

Prager, Lottie, New York, N. Y. Window washing device. 2,569,258, Sept. 25.

Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Coal mining haulage vehicle. 2,569,336, Sept. 25.

Pratt, John H., Montreal, Quebec, Canada, assignor to Radio Corporation of America. Oscillation generator. 2,568,868, Sept. 25.

Prestige, Inc., assignee: *See*—
Burd, Samuel I., and Clarke.

Price Electric Corporation, assignee: *See*—
Barnhart, Merle E., and Miller.

Priester, Kendall B., assignor to Brown & Bigelow, St. Paul, Minn. Compartment box. 2,569,018, Sept. 25.

Proctor Electric Company, assignee: *See*—
Vogelsberg, Walter H.

Prosser, Clinton D.: *See*—
Pool, Stuart D., and Prosser.

Purolator Products, Inc., assignee: *See*—
Kovacs, Julius P.

Purpura, August C., Chicago, Ill. Electric flatiron. 2,569,259, Sept. 25.

Quetsch, John G., Jr., Garfield Heights, and J. T. Weir, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Inspecting wire-drawing die contours. 2,569,195, Sept. 25.

Rabinow, Jacob, Takoma Park, Md., assignor to Federal Manufacturing & Engineering Corp., Brooklyn, N. Y. Auto focus enlarger. 2,568,762, Sept. 25.

Rackle, Joseph W.: *See*—
Farkas, Eugene J., and Rackle.

Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Clark, Edwin L.
Collins, Milford E.
Duke, Vernon, J., and Hammerschmidt.
Goddard, De Witt R.
Grosdoff, Igor E.
Hansell, Clarence W.
Liguori, Anthony.
Morrison, Wendell C.
Obert, Maximilian J.
Pratt, John H.
Rajchman, Jan A., and Brown.
Scull, William E., Jr.

Radtke, Adelbert C.: *See*—
Peterson, Walter R., and Radtke.

Raffinerie Tirlemontoise, assignee: *See*—
Smet, André.

Rahbek, Knud, Frederiksberg, Denmark. Semiconductor unit for the utilisation of electroadhesion. 2,568,824, Sept. 25.

Rajagopalan, Srinivasa: *See*—
Fieser, Louis F., and Rajagopalan.

Rajchman, Jan A., Princeton, N. J., and G. W. Brown, Ames, Iowa, assignors to Radio Corporation of America. Electronic cumulative adder. 2,568,932, Sept. 25.

Rambow, Walter, Chicago, Ill. Frame. 2,568,899, Sept. 25.

Ranco Incorporated, assignee: *See*—
Hobbs, Walter V.

Ray, William R., Los Angeles, Calif. Oil burner with rotary combustion chamber. 2,568,763, Sept. 25.

Reed, H. B., and Company, assignee: *See*—
Reed, Harold B.

Reed, Harold B., assignor to H. B. Reed and Company, Hammond, Ind. Roofing material. 2,569,134, Sept. 25.

Reeves, Alec H.: *See*—
Deloraine, Edmond M., and Reeves.

Reiss Manufacturing Corporation, assignee: *See*—
Reiss, Raymond H., and Hahn.

Reiss, Raymond H., New York, N. Y., and P. R. T. Hahn, Westfield, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del. Fastening device for the waistband of trousers and the like. 2,568,969, Sept. 25.

Research Corporation, assignee: *See*—
Fieser, Louis F., and Rajagopalan.

Rexford, Willis E., Girard, and D. Weidler, Platea, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y. Coupler for toy railway trains. 2,569,071, Sept. 25.

Rice, Thomas M., Providence, Ky. Quilting frame. 2,569,337, Sept. 25.

Rich, Howard B., Carrollton, and A. Green, Worthville, Ky., assignors to Howard B. Rich, Inc. Collapsible support for froning tables. 2,569,427, Sept. 25.

Rich, Howard B., Inc., assignee: *See*—
Rich, Howard B., and Green.

Richards, Edward A., and L. J. Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric current rectifier. 2,568,764, Sept. 25.

Richards, Melbourne K.: *See*—
Benning, Anthony F., and Richards.

Richmond, Norman E., assignor to The Autocall Company, Shelby, Ohio. Supervisory and control circuit for coded fire alarm systems. 2,569,338, Sept. 25.

Ridgeway, Leroy E., Long Beach, Calif. Contour marker and layout tool. 2,569,019, Sept. 25.

Rieber, William K., Los Angeles, Calif. Sound record drive. 2,568,869, Sept. 25.

Robb, Walter Y., Whitinsville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 2,569,196, Sept. 25.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Mounting and operating means for electric switches. 2,568,933, Sept. 25.

Roberts, Edward S.: *See*—
McGauley, Patrick J., and Roberts.

Roberts, John G., Dobbs Ferry, N. Y. Razor blade dispenser. 2,569,072, Sept. 25.

Robinson, Allen D., Kenosha, Wis. Paste applier with self-closing valve. 2,569,073, Sept. 25.

Robinson, Grant R., Melrose, Mass., assignor to Old Town Ribbon & Carbon Co., Inc. of Mass. Sheet separating device. 2,569,387, Sept. 25.

Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Phonograph. 2,569,115, Sept. 25.

Rock-Ola Manufacturing Corporation, assignee: *See*—
Rockola, David C.

Rockwell, Edward A., Cleveland, Ohio. Proportional pressure distributor valve. 2,568,900, Sept. 25.

Roe, Herbert J.: *See*—
Wood, David H., and Roe.

Roesel, John F., Wildwood, Fla. Combined ironing board and ironing board supporting means. 2,568,970, Sept. 25.

Roettinger, Philip, and P. Roettinger, Jr., St. Albans, N. Y. 2,569,074, Sept. 25.

Roettinger, Philip, Jr.: *See*—
Roettinger, Philip and Philip, Jr.

Rogers, John C., and R. Sims, New Orleans, La. Vented awning. 2,569,388, Sept. 25.

Rogers, Thomas H., Jr.: *See*—
Osterhof, Harold J., and Rogers.

Rohm & Haas Company, assignee: *See*—
De Benneville, Peter L., and Bock.
De Benneville, Peter L., and Levesque.
Levesque, Charles L.
Luskin, Leo S.
Rowland, Stanley P.

Ronan, Lerned F., East Aurora, N. Y. Saw. 2,568,870, Sept. 25.

Roon, Leo, Southold, N. Y., and W. T. Smith, Rahway, N. J., assignors to Interchemical Corporation, New York, N. Y. Wood filler composition. 2,568,765, Sept. 25.

Roon, Leo, Southold, N. Y., and W. T. Smith, Rahway, N. J., assignors to Interchemical Corporation, New York, N. Y. Wood filler composition. 2,568,766, Sept. 25.

Rosas, François M., assignor to Microrex, Saint-Etienne, France. Centerless truing machine. 2,568,825, Sept. 25.

Roscoe, John W., Havertown, and H. Kupke, Yeadon, Pa. Static charge removal device. 2,569,116, Sept. 25.

Roth, Barbara, Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of substituted pteridines. 2,568,971, Sept. 25.

Rotherham, Oswald, Hermosa Beach, Calif. Clothesline reel. 2,569,020, Sept. 25.

Round, Albert W.: *See*—
Mayhew, Elton C., and Round.

Roussos, Mary, Forest Hills, N. Y. Garment accessory. 2,568,826, Sept. 25.

Rowland, Stanley P., assignor to Rohm & Haas Company, Philadelphia, Pa. Bis-oxazolines. 2,569,428, Sept. 25.

Royer, Marcel, Montreal, Quebec, Canada, assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif. Ejector for slat cutting machines. 2,569,197, Sept. 25.

Rozanski, Leo, St. Louis, Mo. Spring tensioned holding device. 2,569,021, Sept. 25.

Russell, Alan W., Wethersfield, Conn., assignor to Emhart Manufacturing Company. Cooling wind system for glassmaking equipment. 2,569,339, Sept. 25.

Rutledge, Thomas F., St. Louis, Mo., F. M. Seger, Pitman, A. N. Sachanen, Woodbury, and W. E. Garwood, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,569,429, Sept. 25.

S & W Fine Foods, Inc., assignee: *See*—
Carroll, Ellsworth W.

Sachanen, Alexander N.: *See*—
Rutledge, Thomas F., Seger, Sachanen, and Garwood.

Sack, Henri S.: *See*—
Trischka, John W., and Sack.

Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Sand trap. 2,568,972, Sept. 25.

Sagers, Peter, Kalamazoo, Mich. Fish scaler. 2,569,022, Sept. 25.

Sanford, Hugh W., Knoxville, Tenn. Valve. 2,569,023, Sept. 25.

Särnö, Bo, and A. Lindberg, Stockholm, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Electric warming element. 2,569,340, Sept. 25.

Schade, Arthur L., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Prevention of enzymatic discoloration of potatoes. 2,569,075, Sept. 25.

Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Combined stand and cabinet apparatus for books. 2,569,117, Sept. 25.

Schallock, Arthur E., assignor to American Hydraulics, Inc., Sheboygan, Wis. Wheeled bumper jack. 2,568,827, Sept. 25.

Schaye, Jack M., Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Padlock slide fastener. 2,569,076, Sept. 25.

Schechtel, Harry, Los Angeles, Calif. Finger-operated boxing toy. 2,569,260, Sept. 25.

Schenker, Abraham W., New York, N. Y. System of therapeutic treatment. 2,568,934, Sept. 25.

Schjolin, Hans O., Birmingham, assignor to General Motors Corporation, Detroit, Mich. V-gear transmission. 2,569,341, Sept. 25.

Schmerling, Louis: *See*—
Thompson, Ralph B., and Schmerling.

Schnaible, Albert P., and F. C. Mock, assignors to Bendix Aviation Corporation, South Bend, Ind. Charge forming device. 2,569,024, Sept. 25.

Schneider, John E., Minisink Hills, Pa. Antiskid chains for pneumatic tires. 2,569,077, Sept. 25.

Schoenheit, Eugene C., Portland, Oreg. Andiron for fireplaces. 2,569,198, Sept. 25.

Schrader, Martin W., Lafayette, La. Piston rod rotating attachment for reciprocating pumps. 2,568,828, Sept. 25.

Schroeder, Herbert S., Niagara Falls, and I. M. Logan, Lewiston, assignors to The Carborundum Company, Niagara Falls, N. Y. Bonded alumina refractories and manufacture. 2,569,430, Sept. 25.

Schueler, George B. E.: *See*—
Fleck, Harry R., and Schueler.

Schultz, Harold B., assignor to Bendix Aviation Corporation, South Bend, Ind. Master cylinder sealing and compensating means. 2,569,025, Sept. 25.

Schwarzkopf, Vergil, La Grange, assignor to The Lathrop-Paulson Company, Chicago, Ill. Drip saver structure. 2,569,261, Sept. 25.

Scott, Benjamin B., Schenectady, N. Y., assignor to General Electric Company. High-speed wire tension device. 2,569,342, Sept. 25.

Scott, Edwin D., Plymouth, and E. A. Herider, assignors to Ford Motor Company, Dearborn, Mich. Spring seat construction. 2,568,829, Sept. 25.

Scull, William E., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Deflection coil arrangement. 2,569,343, Sept. 25.

Seagram, Joseph E., & Sons, Inc., assignee: *See*—
Weber, Richard, and Grant.

Seaholm, Paul C., Moline, Ill., assignor by mesne assignments to Minneapolis-Moline Company, Hopkins, Minn. Pivot assembly for tractor mounted implements. 2,569,389, Sept. 25.

Sealy, Alonza, New York, N. Y. Combined table and ironing board. 2,568,830, Sept. 25.

Seaman, Richard H., assignor to Mega Corporation, Los Angeles, Calif. Electronic animated advertising sign system. 2,568,767, Sept. 25.

Seger, Francis M.: *See*—
Rutledge, Thomas F., Seger, Sachanen, and Garwood.

Seidler, Arthur W.: *See*—
Huff, Melvin O., and Seidler.

Sellstrom Manufacturing Company, assignee: *See*—
Anderson, Marshall N.

Sels, Jacques, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Radio direction finding system. 2,568,768, Sept. 25.

Sergent, Anna M. W., assignee: *See*—
Watts, Albert E.

Setka, Raymond P.: *See*—
Cantalupo, Francis J., De Craene, and Setka.

Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Well logging. 2,569,390, Sept. 25.

Shaeffer, Norbert, Los Angeles, Calif., assignor by mesne assignments to Cutter Corporation. Hair trimming comb. 2,569,344, Sept. 25.

Shager, Horace J.: *See*—
Pool, Stuart D., and Shager.

Shapiro, Harry S.: *See*—
Bachli, Herman, and Shapiro.

Shaw-Walker Company, assignee: *See*—
Page, John H.

Shea, Richard F., Syracuse, N. Y., assignor to General Electric Company. Transistor multivibrator circuit. 2,569,345, Sept. 25.

Shell Development Company, assignee: *See*—
Adelson, David E.
Conco, Fred E., and Naps.
Elteston, George C.
Melstrom, Donald S., and Holm.

Shepard, Ernest L., Fairfield, assignor by mesne assignments, to The Canal National Bank of Portland, and W. B. Nulty, Portland, Maine, as trustees. Material for packing tubes and the like. 2,568,769, Sept. 25.

Sherman, Dale W., Columbus, Ohio. Cargo-retaining attachment for hand-operated freight trucks. 2,569,118, Sept. 25.

Shivell, Philip J., Kingsport, Tenn. Making leather straps. 2,568,770, Sept. 25.

Shively, John J., New York, N. Y. Twin propeller marine motor propulsion and steering unit. 2,569,346, Sept. 25.

Shockley, William, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit element utilizing semiconductive material. 2,569,347, Sept. 25.

Signal Tuned Radio Corporation, assignee: *See*—
O'Brien, William J.

Silver, Leonard H., Rahway, N. J., and E. M. Cohen, assignors to M. Goldman & Company, Inc., Bridgeport, Conn. Support for bubble light device. 2,569,078, Sept. 25.

Silverstein, Samuel: *See*—
Koegler, Milton, and Silverstein.

Simonsen, Sigvard, Butler, Pa., assignor, by mesne assignments, to Hulson Company, Chicago, Ill. Coupler attachment. 2,568,831, Sept. 25.

Sims, Redding: *See*—
Rogers, John C., and Sims.

Sinclair Refining Company, assignee: *See*—
Norris, Richard O.

Skiavenitis, William, Geneva, Ill. Food supporting cradle. 2,569,262, Sept. 25.

Smeltzer, Raymond F., assignor to Bendix Aviation Corporation, Towson, Md. Squelch circuit. 2,569,348, Sept. 25.

Smet, André, assignor to Raffinerie Tirlemontoise, Tirlemont, Belgium. Method and apparatus for contacting solids and liquids. 2,569,199, Sept. 25.

Smith, Alvin R.: *See*—
Browder, John G., and Smith.

Smith, Emerson V., Kalamazoo, Mich. Swimming paddle. 2,568,200, Sept. 25.

Smith, Everett, Odessa, Tex. Marking tool for pipes or the like. 2,569,349, Sept. 25.

Smith, Howard A., Dayton, Ohio. Border facer. 2,569,350, Sept. 25.

Smith, Jopling P., Houston, Tex., assignor to Garrott Brass & Machine Company, Inc. Lubricated plug valve. 2,569,933, Sept. 25.

Smith, Lewis E., Congress Park, Ill., assignor to International Harvester Company. Draft and lift mechanism for potato diggers. 2,569,201, Sept. 25.

Smith, Norman W., Clearwater, assignor to Tavart Company, Ltd., Los Angeles, Calif. Overhead door mounting. 2,569,351, Sept. 25.

Smith, William F., Brooklyn, assignor to International Standard Electric Corporation, New York, N. Y. Bank strip molding machine. 2,568,771, Sept. 25.

Smith, William T.: *See*—
Egon, Leo, and Smith.

Snap-It, Snug-Fit Shoe Machinery Co., Inc., assignee: *See*—
Ciolo, Joseph A.

Snap-On Drawer Company, assignee: *See*—
Rake, Elmer C.

Snow, Kilbourn H., assignor to The Sparks-Withington Company, Jackson, Mich. Deep well cooker with adjustable heating element. 2,568,973, Sept. 25.

"Societe d'Etudes & de Participations: Eau, Gaz, Electricité, Energie," S. A., assignee: *See*—
Huber, Robert, and Félix.

Societe Maxicalor, assignee: *See*—
Berthelot, Jean.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Rutledge, Thomas F., Seger, Sachanen, and Garwood.
White, Ralph V., Norris, and Landis.

Solomon, Cecil, New York, N. Y. Slide rule. 2,569,202, Sept. 25.

Sonoco Products Company, assignee: *See*—
Dunlap, Charles K.

South, Benjamin J.: *See*—
Kusmits, Frank V.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Speed governor for motors. 2,568,774, Sept. 25.

Sparklin, Charles H., and F. S. Howard, Chicago, Ill., assignors to Birtman Electric Company. Adjustable brush assembly for vacuum cleaners. 2,568,772, Sept. 25.

Sparklin, Charles H., and G. C. Sporney, Chicago, Ill., assignors to Birtman Electric Company. Food mixer. 2,568,773, Sept. 25.

Sparks-Withington Company, The, assignee: *See*—
Snow, Kilbourn H.

Special, Michael E., New York, N. Y. Shoe sanitizer. 2,569,079, Sept. 25.

Sperry Corporation, The, assignee: *See*—
Arnold, Paul F.
Curry, Robert S., Jr.

Spigener, William P., Elmwood, Conn., assignor to Emhart Manufacturing Company. Stirring apparatus for glass in forehearths. 2,569,352, Sept. 25.

Sporney, George C.: *See*—
Sparklin, Charles H., and Sporney.

Sprague Electric Company, assignee: *See*—
Markarian, Moushy.
Podolsky, Leon.

Springer, Arnold P., Taft, Calif. Well apparatus. 2,569,026, Sept. 25.

Springer, Peter P., assignor of one-half to G. J. Timmerman, Davenport, Iowa. Combined kitchen table and folding ironing board. 2,569,263, Sept. 25.

Spruance, Frank P., Jr., assignor to American Chemical Paint Company, Ambler, Pa. Improving the resistance to corrosion and abrasion of certain coated aluminum surfaces. 2,568,936, Sept. 25.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving.
Browder, John G., and Smith.
Holder, Clinton H.
Leyonmark, George F., and Hardy.
Morrell, Charles E., and McAteer.
Sewell, Benjamin W.
Stearns, Reid F.

Stearns, Reid F., Elizabeth, N. J., assignor to Standard Oil Development Company. Liquid-liquid contacting tower. 2,569,391, Sept. 25.

Steatite Research Corporation, assignee: *See*—
Albert-Schoenberg, Ernst

Steele, James W., North Kansas City, Mo. Collar support and protector. 2,568,871, Sept. 25.

Stengel, Leonard A., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Producing ammonium nitrate. 2,568,901, Sept. 25.

Stephens-Adamson Mfg. Co., assignee: *See*—
Kendall, Myron A.

Sterling Drug Inc., assignee: *See*—
Surrey, Alexander R., and Cutler.

Sterling Manufacturing Company, The, assignee: *See*—
Mayhew, Elton C.
Mayhew, Elton C., and Round.

Stewart-Warner Corporation, assignee: *See*—
Malone, Homer F.
Palm, George H.

Stigen, Alf L., assignor to Aktiebolaget Separator, Stockholm, Sweden. Continuous process for producing butter. 2,569,203, Sept. 25.

Stoddard, William B., Jr.: *See*—
Bradner, Donald B., Stoddard, and Blickensderfer.

Stone, Marshall E., Monticello, Ky. Wagon and truck body seat. 2,568,832, Sept. 25.

Stone, Morris D., and J. I. Greenberger, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Strip tensioning apparatus. 2,569,264, Sept. 25.

Stoner, Francis E., assignor to United Aircraft Products, Inc., Dayton, Ohio. Lightweight solenoid valve. 2,569,027, Sept. 25.

Storch, Max H., Belle Harbor, N. Y. Blade and handle securing means. 2,568,833, Sept. 25.

Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electronic voltage regulator. 2,569,204, Sept. 25.

Streifthau, Edgar, Middletown, Ohio. Hub. 2,568,834, Sept. 25.

Stryker, Carleton E., Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure booster and control valve therefor. 2,569,028, Sept. 25.

Studer, Siegfried: *See*—
Hartmann, Max, and Studer.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Adjustable eccentric. 2,568,937, Sept. 25.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for feeding and cutting coiled material. 2,568,775, Sept. 25.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for forming and assembling parts. 2,568,776, Sept. 25.

Sudhoff, Edward B., Cincinnati, Ohio. Pattern layout device. 2,569,265, Sept. 25.

Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.

Sumner, George L.: *See*—
Montgomery, Charles W., Sumner, and Berg.

Sun Oil Company, assignee: *See*—
Ellis, Lacoste G.

Super, Ralph K., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Brake shoe. 2,568,777, Sept. 25.

Surrey, Alexander R., Albany County, and R. A. Cutler, Rensselaer County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Tertiary-aminoalkyl-alpha-aryl-alpha-(4-quinolyl) acetates and amides and their preparation. 2,568,778, Sept. 25.

Svenska Turbinfabriks Aktiebolaget Ljungstrom, assignee: *See*—
Lundberg, Bo K. O.

Swift & Company, assignee: *See*—
Bates, Nathan.

Sylvester, Earl O., San Leandro, Calif. Wind instrument and key mounting for the same. 2,569,029, Sept. 25.

Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S.

T-M-K Corporation, assignee: *See*—
Benson, Merle K.

Tabor Manufacturing Company, The, assignee: *See*—
Wiehsner, Raymond H.

Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for circuit breakers. 2,569,353, Sept. 25.

Tallaksen, Olaf, Chicago, assignor of one-half to J. B. Lindecker, Skokie, Ill. Fishing lure. 2,569,119, Sept. 25.

Tarbox, John P., Philadelphia, Pa. Vamp and sole connection. 2,568,974, Sept. 25.

Tavart Company, Ltd., assignee: *See*—
Smith, Norman W.

Tawney, Pliny O., Passiac, N. J., assignor to United States Rubber Company, New York, N. Y. Polymeric materials derived from di-2-propenyl phthalates. 2,568,872, Sept. 25.

Technicolor Motion Picture Corporation: *See*—
Clark, Lauriston E., and Oliver.

Tedstrom, A. W., administrator: *See*—
King, Frank A.

Teletype Corporation, assignee: *See*—
Zenner, Walter J.

Temple, Harold F.: *See*—
Muscat, Victor, and Temple.

Tennant, G. H., Company, assignee: *See*—
Anderson, Wilford A.

Texas Company, The, assignee: *See*—
Arnold, George B., and Hess.
Wolf, Alexander.

Thompson, Ira L., Houston, Tex. Thumbtack extractor. 2,568,835, Sept. 25.

Thompson Products, Inc., assignee: *See*—
Booth, James H.

Thompson, Ralph B., and L. Schmerling, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Beta thioethyl substituted carbonyl compounds as modifiers in ethylene polymerization. 2,568,902, Sept. 25.

Thompson, Ralph N., Lincoln Park, Mich., assignor to National Steel Corporation. Rib curving machine. 2,569,266, Sept. 25.

Timken-Detroit Axle Company, The, assignee: *See*—
Super, Ralph K.

Timken Roller Bearing Company, The, assignee: *See*—
Baker, John B.

Timmerman, Gerard J., assignee: *See*—
Springer, Peter P.

Timmons, Walter La Roy, Sr., Nashville, Tenn. Mailbox name plate bracket. 2,568,873, Sept. 25.

Tobias, Arthur R., Elmira, assignor to Bendix Aviation Corporation, Elmira Heights, N. Y. Engine starter gearing. 2,569,267, Sept. 25.

Tobler, Hans, Zurich, Switzerland, assignor to Landis & Gyr, A. G. Receiving device for remote-control installations. 2,568,836, Sept. 25.

Towmotor Corporation, assignee: *See*—
Daniels, Lee C.

Tracy, Mearl V., Pasadena, Calif. Straight-line-motion swinging saw support. 2,569,354, Sept. 25.

Trimble, Ernest, Pittsburgh, Pa., and E. C. Trimble, Baltimore, Md. Knife using a detachable razor blade. 2,569,080, Sept. 25.

Trimble, Ernest C.: *See*—
Trimble, Ernest, and E. C.

Trischka, John W., New York, and H. S. Sack, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Zero adjustment of computers. 2,569,135, Sept. 25.

Tubbs, Orville M., assignor to Inland Wire Products Company, Chicago, Ill. Staple stitching machine. 2,569,355, Sept. 25.

Turnbull, Sidney G.: *See*—
Bamber, George E., and Turnbull.

Turpin, Alexander J., Stewart Manor, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Gas flame retention elbow burner nozzle. 2,569,356, Sept. 25.

Tyrner, Joseph M., New York, N. Y., assignor to Air Reduction Company, Incorporated. Scarfing apparatus. 2,568,938, Sept. 25.

Ulirich, Fred J., Kalamazoo, assignor to L. A. Fordon, Detroit, Mich. Stacking box or tray. 2,569,205, Sept. 25.

Unifold Mailing Machines Inc., assignee: *See*—
Bamber, George E., and Turnbull.

Union Carbide and Carbon Corporation, assignee: *See*—
Huff, Melvin O., and Seidler.

Union Oil Company of California, assignee: *See*—
Deering, Roland F.

United Aircraft Corporation, assignee: *See*—
Hunt, William E.
Lee, John G.

United Aircraft Products, Inc., assignee: *See*—
Bowsher, Chester A.
Stoner, Francis E.

United Engineering & Foundry Company, assignee: *See*—
Stone, Morris D., and Greenberger.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Carter, James H., and Daane.
De Liban, Robert.

U. S. Electrical Motors, Inc., assignee: *See*—
Luenberger, Frederick O.

United States Gypsum Company, assignee: *See*—
Burns, Frank B., and Larrison.

United States Rubber Company, assignee: *See*—
Fay, Patrick.
Ladd, Elbert C., and Harvey.
Ladd, Elbert C., and Kiley.
O'Donnell, Frank A.
Tawney, Pliny O.

United States Steel Company, assignee: *See*—
Francis, Charles B.

Universal Controls Corporation, assignee: *See*—
Peterson, Charles D.

Universal Oil Products Company, assignee: *See*—
Hanson, Olaf M., and Linn.
Thompson, Ralph B., and Schmerling.

Unverzagt, Paul A., Pittsburgh, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Wrench operated tap changer mechanism. 2,568,888, Sept. 25.

Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.

Vähl, László, Muiderberg, assignor to Werkspoor, N. V., Amsterdam, Netherlands. Crystallizing solutions. 2,569,357, Sept. 25.

Vandenberg, Frank: *See*—
Burgwin, Stephen L., and Vandenberg.

Vanden Berg, Russel V., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Preparing aluminum welding wire. 2,569,030, Sept. 25.

Van Heuvel, Marie K.: *See*—
Van Heuvel, Walter J., and M. K.

Van Heuvel, Walter J., and M. K. Van Heuvel, Azusa, Calif. Pressure tire gauge. 2,569,120, Sept. 25.

Vanleirsberghe, Leonard, La Grange Park, Ill. Portable tool for forcing a tire bead from its associated rim flanges. 2,568,874, Sept. 25.

Van Overbeek, Adrianus J. W. M., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Apparatus for phase modulating high-frequency oscillations. 2,569,358, Sept. 25.

Vassar, Archie W., San Mateo, Calif., assignor of one-fourth to J. I. Dowell, Chillicothe, Mo., and one-fourth to D. E. Brydges, Lincoln, Nebr. Propeller construction for watercraft. 2,568,903, Sept. 25.

Veach, George W., Red Hook, N. Y. Spray nozzle. 2,569,081, Sept. 25.

Veaux, Henri M., Saint-Leu-laForet, France. Multiplex system for telegraphic and radiotelegraphic transmission with decametric waves. 2,568,779, Sept. 25.

Veeder-Root Incorporated, assignee: *See*—
Bliss, Harney N.

Vellinga, John, Elgin, assignor to The Dole Valve Company, Chicago, Ill. Thermostatic valve. 2,569,359, Sept. 25.

Victor Chemical Works, assignee: *See*—
Woodstock, Willard H.

Victor Metal Products Corporation, assignee: *See*—
Muscat, Victor, and Temple.

Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H.
Kirkpatrick, Willard H., and Kocher.
Kirkpatrick, Willard H., and Wilson.
Kocher, Earl T.

Vogel, Henry A., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Improving color and drying characteristics and similar properties of drying glyceride oils. 2,569,136, Sept. 25.

Vogel, Henry A., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Removing inhibitors from drying oils. 2,569,206, Sept. 25.

Vogelsberg, Walter H., Wayne, assignor to Proctor Electric Company, Philadelphia, Pa. Electrical heating unit. 2,569,121, Sept. 25.

Vogt, Henry, Machine Company, assignee: *See*—
Williams, Jesse D., Jr.

Von Hippel, Arthur, Weston, and M. C. Bloom, Newton Highlands, Mass., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier manufacturing process and product obtained thereby. 2,568,780, Sept. 25.
Waldes Kohinoor, Inc., assignee: *See*—
Erdmann, Hans.
Waldron, Cecil R., assignor to Eureka Williams Corporation, Bloomington, Ill. Oil burner nozzle. 2,568,880, Sept. 25.
Walker, Charles M., Manhattan Beach, Calif. Apparatus for parking automobiles. 2,569,393, Sept. 25.
Wallace, Frank C., North Hollywood, Calif., assignor, by mesne assignments, to H. H. Helbush. Sheet metal clamp. 2,569,392, Sept. 25.
Wanish, George G., Cortland, N. Y. Corset. 2,568,837, Sept. 25.
War, United States of America as represented by the Secretary of, assignee: *See*—
Schade, Arthur L.
Ward, Hugh J.: *See*—
McWhirter, Eric M. S., and Ward.
McWhirter, Eric M. S., Warden, and Ward.
Warden, Frederick W.: *See*—
McWhirter, Eric M. S., Warden, and Ward.
Warne, Robert E., Honolulu, Territory of Hawaii. Lightweight refrigerant block. 2,568,975, Sept. 25.
Warner, De Ver K., and D. E. Martin, Los Angeles, and E. L. Bellows, Venice, Calif., assignors to North American Aviation, Inc. Camera drive mechanism. 2,569,031, Sept. 25.
Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Constant pressure inlet for mass spectrometers. 2,569,032, Sept. 25.
Waters, Lawrence W., Ontario, assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif. Pear peeling apparatus. 2,569,207, Sept. 25.
Watts, Albert E., deceased, Montreal, Quebec, Canada, A. C. A. Watts and Montreal Trust Company, executors of said A. E. Watts, assignors to A. M. W. Sergent. Vertical boiler. 2,568,781, Sept. 25.
Watts, Anna C. A., executrix: *See*—
Watts, Albert E.
Weber, Nelson H.: *See*—
Geiger, Hermann, and Weber.
Weber, Richard, Aurora, Ind., and J. E. Grant, Louisville, assignors to J. E. Seagram & Sons, Inc., Shively, Ky. Labeling machine. 2,568,904, Sept. 25.
Weidler, Duane: *See*—
Rexford, Willis E., and Weidler.
Weimann, Henry: *See*—
Perani, Edmund, and Weimann.
Weingart, Richard I. N., New York, N. Y. Registering coin bank. 2,569,360, Sept. 25.
Weir, Joseph T.: *See*—
Quetsch, John G., Jr., and Weir.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Key operated card punching machine. 2,569,208, Sept. 25.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Ledger tray cabinet. 2,569,209, Sept. 25.
Welk, Nelson S., assignor to The McBee Company, Athens, Ohio. Tariff drill. 2,569,210, Sept. 25.
Wels, Christopher J.: *See*—
Mallett, Walter K., and Wels.
Werkspoor, N. V., assignee: *See*—
Vajd, László.
Western Electric Company, Incorporated, assignee: *See*—
Henning, George E.
Moss, Earl C.
Stull, John S.
Western Gulf Oil Company, assignee: *See*—
Brigham, Harry S.
Westinghouse Air Brake Company, assignee: *See*—
Fallor, Charles W., and Henderson.
Westinghouse Electric Corporation, assignee: *See*—
Burgwin, Stephen L., and Vandenberg.
Kroon, Reinout P.
McCleary, Samuel S., and Berry.
Tallaferro, William R.
Westrick, Henry A., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Joining a plurality of metal containers. 2,569,137, Sept. 25.
Wethly, Franz, Manhasset, and L. T. Hartmann, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Spray-type absorption tower. 2,568,875, Sept. 25.
Wheeler, Floyd L., Fraser, Mich. Collapsible house trailer. 2,569,082, Sept. 25.
White, Hudson H., Whiteville, N. C. Tobacco curing stove with air-heating hood. 2,569,084, Sept. 25.
White, Ralph V., Pitman, H. D. Norris, Woodbury, and P. S. Landis, Glassboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Reaction products of N-acylated polyalkylene-polyamines with alkenyl succinic acid anhydrides. 2,568,876, Sept. 25.
Whiteley and Caine, assignee: *See*—
Haapala, Levi.
Whiting, John G., Chicago, Ill. Light projector. 2,568,782, Sept. 25.
Whiton Machine Company, The, assignee: *See*—
Highberg, George A.
Wiehsner, Raymond H., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Clamping mechanism for molding apparatus. 2,568,905, Sept. 25.
Wilcox, Ernest A., Flushing, N. Y. Portable cleansing device for artificial dentures. 2,568,838, Sept. 25.
Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Phase sensitive measuring and controlling apparatus. 2,569,268, Sept. 25.
Wilhelm, John H., Hamilton Beach, N. Y., assignor to Conmar Products Corporation, Newark, N. J. Method and apparatus for molding and trimming. 2,569,083, Sept. 25.
Wilkins, Robert L., Indianapolis, Ind. Two-cycle double-acting engine. 2,569,269, Sept. 25.
Williams, David C., Big Stone Gap, Va. Ice-cream freezer 2,568,839, Sept. 25.
Williams, Jesse D., Jr., Shively, assignor to Henry Vogt Machine Company, Louisville, Ky. Timer. 2,568,906, Sept. 25.
Williams, Robert A., assignor to McClintock Manufacturing Company, Los Angeles, Calif. Paper roll holder. 2,568,877, Sept. 25.
Willihngans, Eugene, Buffalo, N. Y., assignor to National Battery Company, St. Paul, Minn. Electrochemical cell diaphragm. 2,569,361, Sept. 25.
Wilson, Doyne L.: *See*—
Kirkpatrick, Willard H., and Wilson.
Wilson, Loudon G., Fairhaven, Mich. Retractable keel for sailboats. 2,569,270, Sept. 25.
Wilson, William A., Los Angeles, Calif. Safety hook. 2,568,939, Sept. 25.
Wingfoot Corporation, assignee: *See*—
Enabnit, Robert S.
Kovac, James J.
Osterhof, Harold J., and Rogers.
Wintle, Malcolm F.: *See*—
Earp, Charles W., and Wintle.
Wintle, Thomas D. G.: *See*—
Besag, Ernst, Hill, and Wintle.
Wise, Morris O., assignor to Bendix Aviation Corporation, South Bend, Ind. Burner nozzle. 2,569,033, Sept. 25.
Wiser, Hubert J., Sr., assignor to Eureka Williams Corporation, Bloomington, Ill. Oil burner nozzle. 2,568,878, Sept. 25.
Witte, Michael, Nassau, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing mononitro monocyclic aryl lower alkyl ethers. 2,569,431, Sept. 25.
Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Strain measurement. 2,568,940, Sept. 25.
Wood Conversion Company, assignee: *See*—
Heritage, Clark C.
Wood, David H., B. Green, and H. J. Roe, Knowle, England. Hopper, with valve closure having vibrator therein, for sand and other divided material. 2,569,085, Sept. 25.
Woodruff, Maurice D., assignor to The Bauer Bros. Company, Springfield, Ohio. Temperature controlled mill base. 2,568,783, Sept. 25.
Woodstock, Willard H., Lincolnshire, Crete, Ill., assignor to Victor Chemical Works. Reaction products of olefin oxides and P_2O_5 or P_2S_5, and forming the same. 2,568,784, Sept. 25.
Wright, Charles M., and L. G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company. Welded bolster center brace. 2,569,211, Sept. 25.
Yates, Charles G., Jr., Schenectady, N. Y., assignor to General Electric Company. Delay circuit. 2,569,362, Sept. 25.
Young, James P., Paterson, N. J. Emergency shutoff for faucets. 2,569,363, Sept. 25.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Ludwig, Walter.
Zagotti, Nick J., Ford City, Pa. Identification hub cap. 2,569,212, Sept. 25.
Zaras, Louis, New York, N. Y. Hernia pad. 2,569,271, Sept. 25.
Zbrojovka Brno, Narodni Podnik, assignee: *See*—
Heyrovsky, Jaroslav.
Zees, Christos W., Chicago, Ill. Automatic coffee maker. 2,568,840, Sept. 25.
Zenk, Bernard A., Truman, Minn. Adjustable trailer hitch. 2,569,086, Sept. 25.
Zenner, Walter J., Des Plaines, assignor to Teletype Corporation, Chicago, Ill. Tape feeding and storage device. 2,569,364, Sept. 25.
Zesch, Eugene M., Shillington, assignor to Karl Lieberknecht, Inc., Reading, Pa. Fabric take-up mechanism for textile machines. 2,569,394, Sept. 25.
Zienty, Ferdinand B.: *See*—
Baker, Charles M., and Zienty.
Zupanick, Frank J., assignor to Lovell Manufacturing Company, Erie, Pa. Laminated hockey stick. 2,569,395, Sept. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Snap-action electric switch. G. Hollis. Re. 23,412, Sept. 25.

LIST OF PLANT INVENTIONS

Plum tree. L. Burbank. 1,041, Sept. 25.

Rose plant. E. S. Boerner. 1,039–40, Sept. 25.

LIST OF DESIGN INVENTIONS

Apron or similar article. R. B. Kriegel. 164,643, Sept. 25.
Band saw. W. F. Ocenasek. 164,649, Sept. 25.
Block, Building. W. Clukie. 164,625, Sept. 25.
Bowl. A. S. Yecko and R. H. Fitzgerald. 164,659, Sept. 25.
Bowl, Sugar. E. S. Zeisel. 164,661, Sept. 25.
Box, Lunch. L. Welk. 164,658, Sept. 25.
Bracelet or similar article. J. Fels. 164,629, Sept. 25.
Casserole, Covered. E. S. Zeisel. 164,660, Sept. 25.
Cover for containers for perishable foods. C. Davis. 164,628, Sept. 25.
Defroster, Windshield. H. C. Taylor. 164,656, Sept. 25.
Dish or similar article, Baking. C. L. Maish. 164,645, Sept. 25.
Dispenser, Revolving playing card. E. L. Jones. 164,641, Sept. 25.
Easel head. B. V. Hughes. 164,632, Sept. 25.
Floor mat. V. M. Cruikshank. 164,627, Sept. 25.
Gate unit. M. Bello. 164,620, Sept. 25.
Handbag. M. S. Chandlee. 164,623, Sept. 25.
Handbag and cover therefor. Combined. M. R. Bienen. 164,621, Sept. 25.
Handbag or the like. H. Jakubovits. 164,639, Sept. 25.
Handbag, Reversible drawstring. J. Cohen. 164,626, Sept. 25.
Handle, Stove. D. E. Stewart. 164,655, Sept. 25.
Hearing aid apparatus. E. C. Nicholides and C. L. Metzler. 164,648, Sept. 25.
Holder, Combined sugar and condiment. S. W. Friedman. 164,630, Sept. 25.
Holder, Tie. M. L. Gershgoren, and M. and C. Goren. 164,631, Sept. 25.
Lightning arrester. C. W. Klostermann. 164,642, Sept. 25.
Mailing box and letter envelope, Combined. H. Steinberg. 164,654, Sept. 25.
Necklace or the like. A. Philippe. 164,652, Sept. 25.
Packing sheet. C. J. Chaplin. 164,624, Sept. 25.
Plate or the like. D. Johnson. 164,640, Sept. 25.
Plate, Portable hot. D. C. O'Connell. 164,651, Sept. 25.
Rack and picture frame, Combined tie. E. G. Steib. 164,653, Sept. 25.
Seat and back for a chair or the like, Combined. W. J. Bargen. 164,619, Sept. 25.
Spoon or the like. N. J. Mercer. 164,646, Sept. 25.
Spoon rest. P. F. Murray. 164,647, Sept. 25.
Stand for heated food receptacles. D. C. O'Connell. 164,650, Sept. 25.
Stocking. A. E. Ischinger. 164,633–8, Sept. 25.
Table, cabinet, and desk, Combined. C. S. Broad. 164,622, Sept. 25
Toy pistol. A. D. Tovell. 164,657, Sept. 25.
Truck, Hand. S. D. Lapham. 164,644, Sept. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adapter for wall-type outlet boxes. C. J. Bindel. 2,568,942, Sept. 25.
Adjustable eccentric. H. M. Stueland. 2,568,937, Sept. 25.
Adjustable frame. M. N. Anderson. 2,568,882, Sept. 25.
Adobe composition and method. G. Agueros. 2,569,272, Sept. 25.
Air bag for use in high-frequency electrical vulcanization, Making. R. S. Enabnit. 2,568,848, Sept. 25.
Aircraft control means. J. G. Lee. 2,568,812, Sept. 25.
Aircraft with boundary layer control. Jet-propelled. B. K. G. Lundberg. 2,568,813, Sept. 25.
Alcohols from carbon monoxide and hydrogen, Production of. C. H. Holder. 2,569,380, Sept. 25.
Alkylation of polystyrene using a hydrogen fluoride catalyst. J. M. Butler. 2,569,400, Sept. 25.
Alpha-hydroxydecanoic acid. C. L. Levesque. 2,569,422, Sept. 25.
Aluminum welding wire, Preparing. R. V. Vanden Berg. 2,569,030, Sept. 25.
Amide-linked bis-quaternary ammonium compounds. P. L. de Benneville and C. L. Levesque. 2,569,409, Sept. 25.
Ammonium alkyl sulfates, Unsymmetrical quaternary. J. B. Niederl, W. F. Hart, and M. E. McGreal. 2,569,226, Sept. 25.
Ammonium nitrate, Producing. L. A. Stengel. 2,568,901, Sept. 25.
Amplifier for facsimile recording lamps, Compensating. A. Lisbori. 2,569,321, Sept. 25.
Andiron for fireplaces. E. C. Schoenheit. 2,569,198, Sept. 25.
Antenna, Wide-band. J. T. Bolljahn. 2,568,710, Sept. 25.
Apparatus for cooking foods. C. E. Cripps. 2,568,792, Sept. 25.
Apparatus for electrolytic investigation of solutions. J. Heyrovsky. 2,569,100, Sept. 25.
Apparatus for feeding and cutting coiled material. J. S. Stull. 2,568,775, Sept. 25.
Apparatus for forming and assembling parts. J. S. Stull. 2,568,776, Sept. 25.
Apparatus for forming flutes in hollow lampposts. H. Guthmann. 2,568,750, Sept. 25.
Apparatus for forming molds and investing patterns. C. R. Baker. 2,568,978, Sept. 25.
Apparatus for forming paper closure members for paper containers. W. E. Amberg. 2,568,698, Sept. 25.
Apparatus for inserting documents into envelopes. G. E. Bamber and S. G. Turnbull. 2,569,219, Sept. 25.
Apparatus for molding prestressed reinforced concrete elements. K. R. Danhof. 2,569,231, Sept. 25.
Apparatus for parking automobiles. C. M. Walker. 2,569,693, Sept. 25.
Apparatus for phase modulating high-frequency oscillations. A. J. W. M. van Overbeek. 2,569,358, Sept. 25.
Apparatus for plant cultivation. S. D. Pool and B. J. Shaver. 2,569,194, Sept. 25.
Apparatus for sterilising plasma, vaccine, and other fluids. J. J. Dill. 2,569,153, Sept. 25.
Apparatus for transferring powdered material. W. K. Carter. 2,569,227, Sept. 25.
Apparatus for treating shaped articles with fluids. W. T. R. Kinraide. 2,568,920, Sept. 25.
Apparatus for unloading conveyer belts. A. Laprise. 2,569,011, Sept. 25.
Apparatus for use in finger printing. I. E. Hitt. 2,569,310, Sept. 25.
Arc-spinning arrester. High-voltage. R. R. Pittman. 2,569,192, Sept. 25.
Arecoline, Production of. J. Levy. 2,569,182, Sept. 25.
Asphalt coating, Fire resistant. F. B. Burns and M. S. Larrison. 2,569,399, Sept. 25.
Attachment for hand-operated freight trucks, Cargo-retaining. D. W. Sherman. 2,569,118, Sept. 25.
Attachment for pneumatic elevators, Wagon unloading. W. R. Peterson and E. R. Johnson. 2,569,191, Sept. 25.
Auto focus enlarger. J. Rabinow. 2,568,762, Sept. 25.
Automatic chime and Christmas tree holder. G. Eckhardt, Jr. 2,568,995, Sept. 25.
Automatic gain control system. E. L. Clark. 2,569,289, Sept. 25.
Automatic overhead door. K. E. Johanson. 2,568,808, Sept. 25.
Automatic position plotter. A. C. Omberg. 2,569,328, Sept. 25.
Automatic transmission. E. J. Farkas and J. W. Rackle. 2,568,798, Sept. 25.
Automatic traverse stop and tool retractor. C. A. Baillod. 2,568,977, Sept. 25.
Awning, Vented. J. C. Rogers and R. Sims. 2,569,388, Sept. 25.
Bag: *See*—
Golf bag.
Bale handling vehicle. W. R. Peterson and A. C. Radtke. 2,569,190, Sept. 25.
Bank, Registering coin. R. I. N. Weingart. 2,569,360, Sept. 25.
Beam bender, Electron. M. J. Obert. 2,569,327, Sept. 25.
Bearing: *See*—
Spherical thrust bearing.
Bearing mounting for rotary tool units. C. A. Horn. 2,569,313, Sept. 25.
Bender, Pipe. H. Bachli and H. S. Shapiro. 2,568,694, Sept. 25.
Beneficiation of acidic minerals. D. W. Jayne, H. M. Day, and E. W. Gieseke. 2,569,417, Sept. 25.
Beta thioethyl substituted carbonyl compounds as modifiers in ethylene polymerization. R. B. Thompson and L. Schmerling. 2,568,902, Sept. 25.
Bimetallic structure. J. B. Brennan. 2,569,149, Sept. 25.
Bis-oxazolines. S. P. Rowland. 2,569,428, Sept. 25.
Blade, Air-cooled turbine. A. Frans. 2,568,726, Sept. 25.
Blade and handle securing means. M. H. Storch. 2,568,833, Sept. 25.
Bleaching oils in the presence of steam. R. M. Christenson and R. E. Harpt. 2,569,124, Sept. 25.
Block: *See*—
Lightweight refrigerant block.
Board: *See*—
Shirt board.
Boat hulls, Making. R. M. Brown. 2,569,224, Sept. 25.
Boiler: *See*—
Inclined U water tube boiler.
Vertical boiler.
Boiler. C. T. Denker and J. R. Moore. 2,569,294, Sept. 25.
Boiler skimmer. A. A. Giesen. 2,569,160, Sept. 25.
Bolt retainer and attaching structure for agricultural tractors and implements. W. H. Nordenson and D. J. Mihal. 2,568,928, Sept. 25.
Bonded alumina refractories and manufacture. H. S. Schroeder and I. M. Logan. 2,569,430, Sept. 25.
Border facer. H. A. Smith. 2,569,350, Sept. 25.
Box: *See*—
Compartment box.
Journal box.
Box or tray, Stacking. F. J. Ulirich. 2,569,205, Sept. 25.
Brace, Welded bolster center. C. M. Wright and L. G. Miller. 2,569,211, Sept. 25.
Bracket: *See*—
Mailbox name plate bracket.
Multipurpose bracket.
Utility window bracket.
Brake: *See*—
Roller type brake.
Brake actuator, Internally expanding. L. N. Lauer. 2,569,012, Sept. 25.
Brake drum, Liquid or air cooled. A. S. Page. 2,568,759, Sept. 25.
Brake hanger. W. H. Baselt. 2,568,703–4, Sept. 25.
Brake shoe. R. K. Super. 2,568,777, Sept. 25.
Brush assembly for vacuum cleaners, Adjustable. C. H. Sparklin and F. S. Howard. 2,568,772, Sept. 25.
Burner system, including ignition controlling means. F. B. Aubert. 2,569,089, Sept. 25.
Burner with radiant heating element, Liquid fuel. J. Imber. 2,569,315, Sept. 25.
Burner with rotary combustion chamber, Oil. W. R. Ray. 2,568,763, Sept. 25.
Cabinet: *See*—
Insulated posting tray cabinet.
Ledger tray cabinet.
Cable tester, Portable. C. W. Hendricks and J. Ogden. 2,569,098, Sept. 25.
Calcium salts, Soluble. E. W. Cook and P. H. Moss. 2,569,403, Sept. 25.
Camber and caster gauge. L. V. Jacobsen. 2,569,416, Sept. 25.
Can body blank hook forming apparatus. E. Laxo. 2,569,181, Sept. 25.
Can perforating device. J. E. Anderson. 2,569,123, Sept. 25.
Cap: *See*—
Identification hub cap.
Cap for nursing bottles, Weaning. H. Abelson. 2,569,139, Sept. 25.
Carbon, sulfur, and hydrogen compositions, Producing. B. W. Gamson. 2,569,095, Sept. 25.

Carbonating machine. G. W. Bayers, Jr. 2,568,980, Sept. 25.
Carburetor. R. J. Brunner. 2,568,987, Sept. 25.
Carburetor. E. E. Hans. 2,569,377, Sept. 25.
Carburization of ferrous metals. P. M. Leininger and H. Farrell. 2,568,860, Sept. 25.
Card punching machine, Key operated. N. S. Welk. 2,569,208, Sept. 25.
Carrier for belt conveyers, Self-aligning. M. A. Kendall. 2,569,419, Sept. 25.
Carton, Automatic lock bottom. L. H. Phillips. 2,569,335, Sept. 25.
Casting method and apparatus. J. B. Brennan. 2,569,150, Sept. 25.
Catalytic isomerization of olefinic hydrocarbons. C. W. Montgomery, G. L. Sumner, and L. Berg. 2,568,964, Sept. 25.
Cathode for electron discharge devices, Nonsputtering. A. H. W. Beck. 2,568,705, Sept. 25.
Center filler and draft gear stop. T. A. Collison. 2,569,372, Sept. 25.
Ceramic body, Making a. C. K. Gravley. 2,569,163, Sept. 25.
Ceramic parts for electrical devices having magnetic properties and making. E. Albers-Schoenberg. 2,568,881, Sept. 25.
Chains for pneumatic tires, Antiskid. J. E. Schneider. 2,569,077, Sept. 25.
Chair: *See*—
Dentist's chair.
Riser type stadium chair.
Charge forming device. A. P. Schnaible and F. C. Mock. 2,569,024, Sept. 25.
Check valve. M. Katcher. 2,569,176, Sept. 25.
Chemical demulsifying composition and demulsification method. W. H. Kirkpatrick. 2,568,742, Sept. 25.
Chuck. G. A. Highberg. 2,569,056, Sept. 25.
Chucking mechanism. A. E. Drissner. 2,569,093, Sept. 25.
Circuit: *See*—
Delay circuit.
Discriminator circuit.
Frequency selective circuit.
Line brightness equalization circuit.
Squelch circuit.
Transistor multivibrator circuit.
Variable sweep circuit.
Circuit element utilizing semiconductive material. W. Shockley. 2,569,347, Sept. 25.
Circuit for coded fire alarm systems, Supervisory and control. N. E. Richmond. 2,569,338, Sept. 25.
Circuit for electronic counters, Reset. I. E. Grosdoff. 2,568,918, Sept. 25.
Circuit with small ignition transformer, Oil burner control. H. E. Earl. 2,568,954, Sept. 25.
Circuits, Electrical integrating. C. L. Faudell. 2,568,914, Sept. 25.
Circulating cleaning device for spray gun nozzles. C. Costantino. 2,569,125, Sept. 25.
Circulation control for fluid couplings, Fluid. J. E. Becker. 2,568,706, Sept. 25.
Clamp: *See*—
Sheet metal clamp.
Clamping device. J. E. Bower. 2,569,284, Sept. 25.
Clamping mechanism for molding apparatus. R. H. Wiehaner. 2,568,905, Sept. 25.
Cleaner: *See*—
Vacuum cleaner.
Cleaning ink applying mechanisms and material used therein. H. R. Gullixson. 2,569,052, Sept. 25.
Cleansing device for artificial dentures, Portable. E. A. Wilcox. 2,568,838, Sept. 25.
Clip: *See*—
Pivoted spring clip.
Clip for pens and pencils. O. S. Bernstein. 2,568,907, Sept. 25.
Clothesline reel. O. Rotherham. 2,569,020, Sept. 25.
Clutch control mechanism. E. E. Hupp. 2,569,003, Sept. 25.
Coal acid esters as synthetic lubricants. C. W. Montgomery, W. I. Gilbert, and R. E. Kline. 2,568,965, Sept. 25.
Coal mine haulage vehicle. C. A. Pratt. 2,569,336, Sept. 25.
Coating ferrous metal with aluminum or an aluminum alloy. H. L. Grange and D. K. Hanink. 2,569,097, Sept. 25.
Coating wire-wound electrical resistors. A. J. Deyrup. 2,568,847, Sept. 25.
Coffee maker, Automatic. C. W. Zees. 2,568,840, Sept. 25.
Collator rack. L. W. Evans. 2,568,998, Sept. 25.
Comb device, Hair puffing. R. G. Horowitz. 2,568,890, Sept. 25.
Comb, Finger. F. Phillips and R. Lay. 2,568,898, Sept. 25.
Comb, Hair trimming. N. Shaeffer. 2,569,344, Sept. 25.
Combination control system. H. H. Curry. 2,568,720, Sept. 25.
Combustion chamber with rotating fuel nozzles. R. P. Kroon. 2,568,921, Sept. 25.
Communication system utilizing constant amplitude pulses. E. M. Deloraine and A. H. Reeves. 2,568,721, Sept. 25.
Compact, Powder box. A. Marcellus. 2,568,814, Sept. 25.
Comparator gauge. W. O. Bennett, Jr. 2,568,981, Sept. 25.
Compartment box. K. B. Priester. 2,569,018, Sept. 25.
Computing device. W. C. Morrison. 2,568,927, Sept. 25.
Concentrating hydrogen fluoride. O. M. Hanson and C. B. Linn. 2,568,889, Sept. 25.
Condenser: *See*—
Electric condenser.
Condenser mounting means, Adjustable electrical. W. T. Brown and L. C. Girardot. 2,568,715, Sept. 25.
Connector block for bus ducts, Electrical. M. E. Bowers. 2,569,223, Sept. 25.
Constant pressure inlet for mass spectrometers. H. W. Washburn. 2,569,032, Sept. 25.
Constructing electric heaters. I. W. Cox. 2,568,846, Sept. 25.
Contact mechanism for automatic circuit breakers and similar electrical switchgear. E. Besag, W. E. Hill, and T. D. G. Wintle. 2,569,281, Sept. 25.
Contact plate construction. W. Kittel. 2,568,749, Sept. 25.
Contacting solids and liquids, Method and apparatus for. A. Smet. 2,569,199, Sept. 25.
Container: *See*—
Tubular dispensing container.
Container cleaning machine. L. T. Cookson. 2,568,949, Sept. 25.
Container construction comprising a perforated plastic lid and a rotatable perforated plastic cap, Sifting. C. C. B. Gowland. 2,569,162, Sept. 25.
Container for extruded metal shapes, rugs, and the like, Extended length fiberboard. J. R. Belsinger. 2,569,035, Sept. 25.
Continuous process for producing butter. A. L. Stigen. 2,569,203, Sept. 25.
Contour marker and layout tool. L. E. Ridgeway. 2,569,019, Sept. 25.
Control for enclosed internal-combustion engines. C. J. E. Omeron. 2,569,252, Sept. 25.
Control system. B. W. Jones. 2,569,317, Sept. 25.
Control system for aircraft control surface and tab. R. S. Curry, Jr. 2,568,719, Sept. 25.
Control system for circuit breakers. W. R. Taliaferro. 2,569,353, Sept. 25.
Controlling ionic valves. C. Petterson. 2,569,334, Sept. 25.
Conveyer, Laterally flexible mine. J. F. Joy. 2,569,004, Sept. 25.
Cooker with adjustable heating element, Deep well. K. H. Snow. 2,568,973, Sept. 25.
Cooking device. B. W. Badenoch. 2,569,365, Sept. 25.
Cooling wind system for glassmaking equipment. A. W. Russell. 2,569,339, Sept. 25.
Copolymers of vinyl halides and halogenated propenes. F. E. Condo and M. Naps. 2,568,692, Sept. 25.
Corset. G. G. Wanish. 2,568,837, Sept. 25.
Cosmetic spreader and smoother. M. N. Goodwin. 2,568,853, Sept. 25.
Counter mechanism. H. N. Bliss. 2,568,709, Sept. 25.
Coupler attachment. S. Simonson. 2,568,831, Sept. 25.
Coupler for toy railway trains. W. E. Rexford and D. Weidler. 2,569,071, Sept. 25.
Coupling: *See*—
Rotary turbine-type fluid coupling.
Variable inductive coupling.
Cracking process. W. C. Offutt and M. C. Fogle. 2,568,967, Sept. 25.
Crane, Portable derrick. H. F. Illies. 2,568,959, Sept. 25.
Crystallizing solutions. L. Vahl. 2,569,357, Sept. 25.
Current rectifier, Electric. E. A. Richards and L. J. Ellison. 2,568,764, Sept. 25.
Curtain for a child's nursery room. M. P. Collester. 2,569,290, Sept. 25.
Cutter bit for mining machines. R. M. Lewis. 2,569,066, Sept. 25.
Cutting torch attachment. M. C. Gledhill. 2,569,304, Sept. 25.
Cylinder assembly for mast slides, Pulldown. L. C. Daniels. 2,569,126, Sept. 25.
Damper, Temperature compensated viscous. S. C. Hoare and A. J. Corson. 2,569,311, Sept. 25.
Deflection coil arrangement. W. E. Scull, Jr. 2,569,343, Sept. 25.
Deborning device. S. S. Mims. 2,569,250, Sept. 25.
Delay circuit. C. G. Yates, Jr. 2,569,362, Sept. 25.
Demulsification process and composition. E. T. Kocher. 2,568,744, Sept. 25.
Demulsifying composition and breaking an oil-in-water emulsion. W. H. Kirkpatrick. 2,568,745, Sept. 25.
Demulsifying compositions. W. H. Kirkpatrick and D. L. Wilson. 2,568,740, Sept. 25.
Dental impression composition. E. H. Lochridge. 2,568,752, Sept. 25.
Dentist's chair. W. B. Childs. 2,568,988, Sept. 25.
Detector carrier for seismic explorations. J. W. Flude. 2,568,851, Sept. 25.
Detergent testing machine. R. Bernstein. 2,568,707, Sept. 25.
Detergents, Reverse. W. H. Kirkpatrick and D. L. Wilson. 2,568,737, Sept. 25.
Deviation detector apparatus for film registration. L. E. Clark and L. W. Oliver. 2,569,228, Sept. 25.
Device for removing and replacing sleeves. E. G. Fletcher. 2,568,998, Sept. 25.
Dialysis procedure. F. K. Daniel. 2,568,990, Sept. 25.

Die: *See*—
Sectional perforating die.
Die head for multiple extrusion. P. Fay. 2,569,373, Sept. 25.
Differential gearing. F. F. Miller, Jr. 2,569,015, Sept. 25.
Differential pressure closed safety valve. D. L. Jerman. 2,569,316, Sept. 25.
Direct-current restoring apparatus. V. J. Duke and A. L. Hammerschmidt. 2,569,297, Sept. 25.
Discriminator circuit. E. H. Krause and C. H. Hoeppner. 2,568,750, Sept. 25.
Dispenser: *See*—
Hot coffee dispenser. Razor blade dispenser.
Dispenser and applicator, Adhesive label and tape. R. S. Avery. 2,569,140, Sept. 25.
Dispensing machine, Award. R. A. Leach. 2,569,382, Sept. 25.
Distance measurement by echo ranging. R. B. Moran, Jr. 2,568,026, Sept. 25.
Distributor, Airplane mounted dust. C. T. Jensen. 2,569,172, Sept. 25.
Distributor, Compressed fluid. A. Dewandre. 2,568,722, Sept. 25.
Distributor, Seeder and fertilizer. H. L. Larson. 2,569,421, Sept. 25.
Dock, Graving. E. T. Larsen. 2,568,751, Sept. 25.
Dolly, Article lifting and transporting. W. C. and W. H. Gref. 2,569,050, Sept. 25.
Door: *See*—
Automatic overhead door.
Draft and lift mechanism for potato diggers. L. E. Smith. 2,569,101, Sept. 25.
Drapery crane, Adjustable. J. V. Graber. 2,569,376, Sept. 25.
Drawer housing, Interlocking. E. C. Hake. 2,569,236, Sept. 25.
Drill: *See*—
Tarifi drill.
Drill and handpiece for same, Dental. G. E. Björklund. 2,568,708, Sept. 25.
Drill press attachment. J. W. Fried. 2,568,886, Sept. 25.
Drip saver structure. V. Schwarzkopf. 2,569,261, Sept. 25.
Drive mechanism, Camera. D. K. Warner, D. R. Martin, and E. L. Bellows. 2,569,031, Sept. 25.
Dual fuel internal-combustion engine. J. H. Holloway and R. G. Jones. 2,569,002, Sept. 25.
Dusting device. H. E. Brandt. 2,569,369, Sept. 25.
Egg tumbling mechanism for egg cleaning machines. D. G. Austin. 2,568,693, Sept. 25.
Ejector for slat cutting machines. M. Royer. 2,569,197, Sept. 25.
Electric condenser. B. O. N. Hansson. 2,569,306, Sept. 25.
Electric pulse code modulation system of communication. C. W. Earp and M. F. Wintle. 2,568,724, Sept. 25.
Electric surface gauge. G. A. Highberg and H. J. Hauck. 2,569,433, Sept. 25.
Electric warming element. B. Siirnö and A. Lindberg. 2,569,340, Sept. 25.
Electrical consumption and control measuring equipment. E. M. S. McWhirter, F. W. Warden, and H. J. Ward. 2,568,755, Sept. 25.
Electrical control device. J. H. Booth. 2,569,090, Sept. 25.
Electrical display sign. C. M. Katsetos. 2,569,130, Sept. 25.
Electrical energising means for limit control devices and the like. P. L. Betz. 2,569,397, Sept. 25.
Electrically heated mattress pad. H. C. Abbott. 2,569,138, Sept. 25.
Electrochemical cell diaphragm. E. Willihnganz. 2,569,361, Sept. 25.
Electrolytic production of fluorine, Process and apparatus for the. A. F. Benning and M. K. Richards. 2,568,844, Sept. 25.
Electronic cumulative adder. J. A. Rajchman and G. W. Brown. 2,568,932, Sept. 25.
Electronic discharge device. E. Donath. 2,569,154, Sept. 25.
Electronic voltage regulator. J. L. Stratton. 2,569,204, Sept. 25.
Elevation adjustment for gun-mounted telescopes. E. L. Livermore. 2,569,183, Sept. 25.
Elevator, Portable. L. B. Neighbour and H. C. Esbeck. 2,568,865, Sept. 25.
Elimination of tricords in toll exchanges. A. J. Henquet and R. M. Mauge. 2,568,733, Sept. 25.
Embalming apparatus. G. G. Mitchell. 2,569,016, Sept. 25.
Emulsion breaking. W. H. Kirkpatrick and D. L. Wilson. 2,568,746, Sept. 25.
Endless metal belt and making the same. D. B. Bradner, W. B. Stoddard, Jr., and P. S. Blickensderfer. 2,569,367, Sept. 25.
Endless V belts, Manufacture of. A. J. Garbin. 2,569,303, Sept. 25.
Engine: *See*—
Dual fuel internal-combustion engine. Two-cycle double-acting engine.
Engine having a reciprocating piston cylinder and a reciprocating piston in such cylinder, Expansible chamber. J. Demattéis. 2,569,293, Sept. 25.
Engine starter gearing. J. E. Buxton. 2,569,401, Sept. 25.
Engine starter, Remote-control. A. R. Perkins. 2,569,332, Sept. 25.
Engine starting gearing. A. R. Tobias. 2,569,267, Sept. 25.
Envelope. M. L. Boling. 2,568,786, Sept. 2.
Etching machine. W. Guenst. 2,568,803, Sept. 25.
Exciting synchronous alternating-current machines across rectifiers. H. Forssell. 2,569,302, Sept. 25.
Expansion joint apparatus. S. S. McNeary and W. R. Berry. 2,568,923, Sept. 25.
Extensible member for adjustably attaching a light diffuser to a lighting. J. Krauthamer. 2,568,893, Sept. 25.
Extractor: *See*—
Thumbtack extractor.
Eyelash curler, mascara applicator, and remover, Combined. A. C. Marcellus. 2,569,246, Sept. 25.
Fabric take-up mechanism for textile machines. E. M. Zesch. 2,569,394, Sept. 25.
Facsimile recorder helical electrode mounting. W. Lupish. 2,568,754, Sept. 25.
Fan hub and blade structure, Detachable. K. Ead. 2,568,913, Sept. 25.
Fastener: *See*—
Padlock slide fastener.
Fastening device, Button. I. Friedman. 2,569,048, Sept. 25.
Fastening device for the waistband of trousers and the like. R. H. Reiss and P. R. T. Hahn. 2,568,969, Sept. 25.
Fastening means for garments, and more particularly diapers. J. C. Condylis. 2,568,910, Sept. 25.
Feed chute and guide for can body carrying turrets. E. Laxo. 2,569,180, Sept. 25.
Fiber felts, Production of hot-bonded. C. C. Heritage. 2,569,169, Sept. 25.
Film reel drive and holdback mechanism. M. E. Collins. 2,568,790, Sept. 25.
Filter. R. De Liban. 2,569,232, Sept. 25.
Filter. J. P. Kovacs. 2,569,243, Sept. 25.
Filter assembly. F. R. Ogilvie. 2,569,186, Sept. 25.
Filter for ultraviolet radiations. I. A. Pearl. 2,568,760, Sept. 25.
Finishing apparatus for plastic moldings. N. Fienberg and A. R. Calder. 2,568,956, Sept. 25.
Fishhook suspension device. C. F. Holm. 2,569,312, Sept. 25.
Fish-hooking device, Automatic. J. Gunser. 2,568,999, Sept. 25.
Fishing lure. J. Hinerman. 2,569,057, Sept. 25.
Fishing lure. O. Tallaksen. 2,569,119, Sept. 25.
Fishing reel. E. C. Mayhew. 2,569,322, Sept. 25.
Fishline reel. G. R. Brown. 2,568,986, Sept. 25.
Flatiron, Electric. A. C. Purpura. 2,569,259, Sept. 25.
Flatiron stand. A. R. Englander. 2,568,955, Sept. 25.
Flexible valve. A. M. Andrews. 2,568,976, Sept. 25.
Floating bolt latch. W. A. Endter. 2,569,043, Sept. 25.
Flood control system. E. F. Howe. 2,569,102, Sept. 25.
Flush tank control valve. J. C. Owens. 2,569,017, Sept. 25.
Folding table. D. J. Klyce. 2,569,007, Sept. 25.
Food mixer. C. H. Sparklin and G. C. Sporney. 2,568,773, Sept. 25.
Food supporting cradle. W. Sklavenitis. 2,569,262, Sept. 25.
Forming beryllium-copper alloy bellows. W. V. Hobbs. 2,569,058, Sept. 25.
Forming uranium monocarbide. J. H. Carter and A. H. Daane. 2,569,225, Sept. 25.
4-benzoyiresorcinol as an ultraviolet absorbent. E. S. Mackey. 2,568,894, Sept. 25.
4-p-chlorobenzoylaminoanthraquinonebenzacridone. E. Mörgeli and W. Kern. 2,568,966, Sept. 25.
Frame: *See*—
Adjusting frame. Quilting frame.
Frame. W. Rambow. 2,568,899, Sept. 25.
Freezer, Ice-cream. D. C. Williams. 2,568,839, Sept. 25.
Frequency converter with plural selectable oscillators. R. B. Dome. 2,569,296, Sept. 25.
Frequency selective circuit. B. M. Hadfield. 2,569,000, Sept. 25.
Frothed rubber sponge containing fibers. H. J. Osterhof and T. H. Rogers, Jr. 2,568,866, Sept. 25.
Fuel injection pump. J. Dickson and K. L. Hulsing. 2,569,233, Sept. 25.
Galley for handling matrices. G. L. Curle. 2,569,230, Sept. 25.
Gamma lactones. E. C. Ladd and M. P. Harvey. 2,569,064, Sept. 25.
Garment accessory. M. Roussos. 2,568,826, Sept. 25.
Garment, Foundation. J. V. Hollar. 2,569,379, Sept. 25.
Garment, Girdle type. D. Cooper. 2,569,229, Sept. 25.
Garment hanger. W. Ludwig. 2,568,753, Sept. 25.
Garment hanger collar support. C. R. Collins. 2,569,152, Sept. 25.
Gas mixing device for draught beer dispensing. M. E. Hood. 2,569,378, Sept. 25.
Gas permeable coating for dry cell flashlight batteries. B. Gelardin. 2,569,159, Sept. 25.

Gauge: *See*—
Camber and caster gauge. Electric surface gauge.
Comparator gauge. Pressure tire gauge.
Gauging apparatus. E. C. Moss. 2,568,817, Sept. 25.
Gear for printing presses, Hydraulic impression. F. Auer. 2,569,034, Sept. 25.
Gear having shock absorber inside hub, Aircraft landing. F. C. Albright. 2,568,696, Sept. 25.
Gear shifting mechanism. H. W. Hey and J. G. Ingres. 2,568,958, Sept. 25.
Generator: *See*—
Oscillation generator.
Generator for absorption refrigerators. H. L. Coggburn. 2,568,789, Sept. 25.
Glass cutting apparatus. V. Palmer. 2,569,256, Sept. 25.
Golf bag. M. Kish, Jr. 2,568,810, Sept. 25.
Governor for motors, Speed. C. H. Sparklin. 2,568,774, Sept. 25.
Grading machine, Pattern. A. Pecher. 2,569,188, Sept. 25.
Gun rest. D. E. Martin. 2,569,435, Sept. 25.
Gun sight. F. V. Kusmitz and B. J. South. 2,569,010, Sept. 25.
Hairbrush, Fountain. W. B. Baptist. 2,569,276, Sept. 25.
Handle: *See*—
Soap containing handle.
Hanger: *See*—
Brake hanger. Garment hanger.
Heat exchange apparatus. J. R. Jaye. 2,568,807, Sept. 25.
Heat exchange apparatus. W. Kals. 2,568,891, Sept. 25.
Heat exchange surface construction and device embodying the same. G. W. Miller and E. L. Kells. 2,569,112, Sept. 25.
Heat exchange unit. C. A. Bowsher. 2,568,984, Sept. 25.
Heat exchanger, Pan type. W. G. Cartter. 2,568,948, Sept. 25.
Heat-insulating unit. J. L. Finck. 2,569,234, Sept. 25.
Heating unit, Electrical. W. H. Vogelsberg. 2,569,121, Sept. 25.
Heel covering machine. F. A. O'Donnell. 2,569,070, Sept. 25.
Heel, Plastic reinforced leather. J. P. Lavin. 2,569,065, Sept. 25.
Helicopter rotor head, Constant speed tilting. W. E. Hunt. 2,569,061, Sept. 25.
Hernia pad. L. Zaras. 2,569,271, Sept. 25.
High-speed wire tension device. B. B. Scott. 2,569,342, Sept. 25.
Hockey stick, Laminated. F. J. Zupanick. 2,569,395, Sept. 25.
Holder: *See*—
Automatic chime and Shaft holder.
Christmas tree holder. Soap holder.
Paper roll holder.
Holding device, Spring tensioned. L. Rozanski. 2,569,021, Sept. 25.
Hood and bumper construction, Vehicle. W. D. Bailey, Jr. 2,569,218, Sept. 25.
Hook: *See*—
Releaseable hook. Safety hook.
Hopper, with valve closure having vibrator therein, for sand and other divided material. D. H. Wood and H. J. Roe. 2,569,085, Sept. 25.
Hose reel. G. H. Palm. 2,568,929, Sept. 25.
Hosiery. A. E. Ischinger. 2,569,434, Sept. 25.
Hot coffee dispenser. R. E. Parker. 2,569,257, Sept. 25.
Hub. E. Streifthau. 2,568,834, Sept. 25.
Hydraulic apparatus. C. E. Adams and E. H. Born. 2,569,214, Sept. 25.
Hydraulic motor control apparatus. C. E. Adams. 2,569,213, Sept. 25.
Ice cube producing and storing apparatus, Automatic. C. F. Munshower. 2,569,113, Sept. 25.
Identification hub cap. N. J. Zagotti. 2,569,212, Sept. 25.
Imidasolines. M. Hartmann and S. Studer. 2,569,415, Sept. 25.
Improving color and drying characteristics and similar properties of drying glyceride oils. H. A. Vogel. 2,569,136, Sept. 25.
Improving the resistance to corrosion and abrasion of certain coated aluminum surfaces. F. P. Spruance, Jr. 2,568,936, Sept. 25.
Inclined U water tube boiler. A. A. Drago and G. H. Brace. 2,569,155, Sept. 25.
Indicator: *See*—
Position indicator.
Indicator and governor, Pressure responsive speed. W. H. Harstick. 2,569,166, Sept. 25.
Inspecting wire-drawing die contours. J. G. Quetsch, Jr. and J. T. Weir. 2,569,195, Sept. 25.
Instrument and key mounting for the same, Wind. E. O. Sylvester. 2,569,029, Sept. 25.
Instrument, Computing. W. L. De Witt. 2,569,295, Sept. 25.
Instrument, Ear cleaning. J. M. Hall. 2,569,237, Sept. 25.
Instrument for measuring elasticity and elastic recovery of textile fabric. A. M. Hansen and H. M. Fletcher. 2,568,731, Sept. 25.
Instrument for use in determining the stress in an electrodeposit. A. Brenner. 2,568,713, Sept. 25.
Instrument with vibratory string, Electrical musical. C. Martin. 2,568,862, Sept. 25.
Insulated posting tray cabinet. J. H. Page. 2,569,254, Sept. 25.
Insulated union nipple. C. D. Peterson. 2,569,333, Sept. 25.
Internal-combustion engine piston. R. Huber and P. V. Félix. 2,569,103, Sept. 25.
Ironing board and ironing board supporting means, Combined. J. F. Roesel. 2,568,970, Sept. 25.
Jack: *See*—
Wheeled bumper jack.
Joining a plurality of metal containers. H. A. Westrich. 2,569,137, Sept. 25.
Joining metal parts. D. B. Bradner, W. B. Stoddard, Jr., and P. S. Blickensderfer. 2,569,368, Sept. 25.
Journal box. D. S. Barrows. 2,569,277, Sept. 25.
Journal lubricator. J. T. Greeley. 2,568,854, Sept. 25.
Keel for sailboats, Retractable. L. G. Wilson. 2,569,270, Sept. 25.
Keeper. F. E. Best. 2,568,983, Sept. 25.
Knife, Swivel. J. F. Bunker. 2,569,286, Sept. 25.
Knife using a detachable razor blade. E. and E. C. Trimble. 2,569,080, Sept. 25.
Knitting machine. G. E. Henning. 2,568,806, Sept. 25.
Label severing and applying machine. W. Hoppe. 2,569,101, Sept. 25.
Labeling machine. R. Weber and J. E. Grant. 2,568,904, Sept. 25.
Lactams and their hydrolytic products, Producing. A. Novotny. 2,569,114, Sept. 15.
Lamp tube and mounting means therefor, Fluorescent. E. O. Bennett. 2,569,143, Sept. 25.
Lamp with reflector and guard, Portable. J. Maxwell. 2,569,068, Sept. 25.
Lapping plate, Yieldable. C. Herzstark. 2,569,099, Sept. 25.
Latch: *See*—
Floating bolt latch. Vehicle door latch.
Latch. W. A. Endter. 2,569,041, Sept. 25.
Latch mechanism, Floating bolt. W. A. Endter. 2,569,046, Sept. 25.
Latch safety catch. W. A. Endter. 2,569,044, Sept. 25.
Latching device for gondola dumping doors. T. Boreen. 2,569,283, Sept. 25.
Latching mechanism. W. A. Endter. 2,569,040, Sept. 25.
Latching mechanism for closures. W. A. Endter. 2,569,045, Sept. 25.
Latices from alkali metal catalyzed polymers. W. W. Crouch. 2,568,950, Sept. 25.
Lawn mower, Disk type. R. E. Pervis. 2,568,822, Sept. 25.
Leather straps, Making. P. J. Shivell. 2,568,770, Sept. 25.
Ledger tray cabinet. N. S. Welk. 2,569,209, Sept. 25.
Lifter: *See*—
Tire lifter.
Lightweight electric motor. C. Pace. 2,569,330, Sept. 25.
Lightweight refrigerant block. R. E. Warne. 2,568,975, Sept. 25.
Lightweight solenoid valve. F. E. Stoner. 2,569,027, Sept. 25.
Line brightness equalization circuit. G. W. King and F. N. Gillette. 2,569,240, Sept. 25.
Liquid control for storage tanks. J. J. and H. D. McGillis. 2,569,110, Sept. 25.
Liquid-liquid contacting tower. R. F. Stearns. 2,569,391, Sept. 25.
Livestock feed. R. J. Block. 2,569,282, Sept. 25.
Lock control mechanism. W. A. Endter. 2,569,042, Sept. 25.
Lock for electric plugs, Releasable. J. J. Dalton. 2,569,037, Sept. 25.
Lock slider for slide fasteners, Automatic. H. M. Groff. 2,569,051, Sept. 25.
Loud-speaker with expanding horn unit. G. L. Carrington. 2,568,883, Sept. 25.
Lubricant. D. E. Adelson. 2,569,122, Sept. 25.
Lubricated plug valve. J. P. Smith. 2,568,935, Sept. 25.
Lubricating rubber during vulcanization. I. E. Coffey. 2,569,151, Sept. 25.
Lubricator: *See*—
Journal lubricator.
Macerator for hulling pits or seeds. H. N. Dybvig. 2,569,156, Sept. 25.
Machine and method for closing metal tubes. C. L. Dewey. 2,568,991, Sept. 25.
Machine for grinding and polishing blocks of stone. R. H. Davis. 2,569,291, Sept. 25.
Machine for handling sludge. D. L. Perrot. 2,568,821, Sept. 25.
Machine for shredding and disintegrating vegetable stalks. L. Haapala. 2,569,307–8, Sept. 25.
Machine for the manufacture of molded building units. W. A. Grueneberg. 2,568,802, Sept. 25.
Machine-tool fixture. A. Kindling. 2,569,005, Sept. 25.
Machine tool for engine bearings. J. N. Harber, Jr. 2,569,238, Sept. 25.
Magazine and feed means for stapling machines. A. J. Batten. 2,569,221, Sept. 25.
Magnetic position responsive device. W. J. James. 2,569,105, Sept. 25.
Mailbox name plate bracket. W. L. Timmons, Sr. 2,568,873, Sept. 25.

Making hollow axles. G. L. Miller. 2,569,248, Sept. 25.
Making lightweight aggregate. P. Maynard. 2,569,323, Sept. 25.
Mandrel bar support. M. Jaenchen. 2,569,104, Sept. 25.
Material for packing tubes and the like. E. L. Shepard. 2,568,782, Sept. 25.
Mechanically operated check valve. A. Bertea. 2,568,982, Sept. 25.
Memorandum device. A. Olevin. 2,568,819, Sept. 25.
Metal-free stripes on metal-coated sheet material, Production of. P. Godley, 2nd and W. O. Di Pietro. 2,569,419, Sept. 25.
Metallurgical addition agent. W. T. Bolkcom. 2,569,146, Sept. 25.
Metering fluid. C. A. Brown. 2,569,285, Sept. 25.
Metering rod support. H. A. Boller. 2,569,147, Sept. 25.
Methoxy-ethyl esters of imido acids. R. O. Norris. 2,569,425, Sept. 25.
Microphonic suppression system for electric phonographs. R. C. A. Eland. 2,568,797, Sept. 25.
Milking machine, Portable. J. E. Orelind. 2,569,187, Sept. 25.
Mill base, Temperature controlled. M. D. Woodruff. 2,568,785, Sept. 25.
Mitering machine, Rotary portable saw support. W. Hess. 2,568,937, Sept. 25.
Mitten, Wash. F. Livshin. 2,569,067, Sept. 25.
Mixed ester amine polybasic acid compositions. W. H. Kirkpatrick and E. T. Kocher. 2,568,747, Sept. 25.
Mixer: *See*—
Food mixer.
Molding and trimming, Method and apparatus for. J. H. Wilhelm. 2,569,083, Sept. 25.
Molding apparatus, Thermoplastic injection. L. Kardorff. 2,569,174, Sept. 25.
Molding machine, Bank strip. W. F. Smith. 2,568,771, Sept. 25.
Molding structural slabs of cement and fiber. S. W. Evensen. 2,569,157, Sept. 25.
Mononitro monocyclic aryl lower alkyl ethers, Preparing. M. Witte. 2,569,431, Sept. 25.
Motion picture reproducing apparatus. D. Heyer. 2,568,734, Sept. 25.
Motor: *See*—
Lightweight electric motor. Vibratory electric motor.
Motor control system. S. L. Burgwin and F. Vandenberg. 2,569,287, Sept. 25.
Motor control system with single relay for field application and removal, Synchronous. T. F. Bellinger. 2,569,142, Sept. 25.
Motorcycle seat support. A. M. Dunlap. 2,568,796, Sept. 25.
Motor propulsion and steering unit, Twin propeller marine. J. J. Shively. 2,569,346, Sept. 25.
Motor speed control. P. F. Arnold. 2,568,701, Sept. 25.
Mounting: *See*—
Facsimile recorder helical electrode mounting. Phonograph pickup mounting.
Overhead door mounting.
Mounting and operating means for electric switches. C. F. Robbins. 2,568,933, Sept. 25.
Moving machine, Material. G. A. Healy. 2,569,053, Sept. 25.
Mower drive, Break-back. T. W. Paul. 2,568,931, Sept. 25.
Multiple step line switch load limiting relay. C. E. Armstrong. 2,568,700, Sept. 25.
Multiplex system for telegraphic and radiotelegraphic transmission with decametric waves. H. M. Veaux. 2,568,779, Sept. 25.
Multipurpose bracket. M. Koegler and S. Silverstein. 2,569,063, Sept. 25.
N-benzyl-beta-halopropionamides, Preparation of. R. T. Cassell and S. Kushner. 2,569,288, Sept. 25.
N,N-dimethyl-N'-(4-halobenzyl)-N'-(2-pyridyl) ethylene diamines and preparation of the same. K. L. Howard. 2,569,314, Sept. 25.
Needle guide. M. M. Cudly. 2,568,951, Sept. 25.
Nozzle, Burner. M. O. Wise. 2,569,033, Sept. 25.
Nozzle, Gas flame retention elbow burner. A. J. Turpin. 2,569,356, Sept. 25.
Nozzle, Oil burner. H. E. Earl. 2,568,879, Sept. 25.
Nozzle, Oil burner. C. R. Waldron. 2,568,880, Sept. 25.
Nozzle, Oil burner. H. J. Wiser, Sr. 2,568,878, Sept. 25.
Nozzle, Spray. G. W. Veach. 2,569,081, Sept. 25.
Oil return in refrigerator. J. Bosl. 2,568,711, Sept. 25.
Open-hearth process. C. L. Altenburger. 2,569,215, Sept. 25.
Opener, Can. H. W. Lindahl. 2,568,962, Sept. 25.
Operation in electrolytic alkali chlorine cells. S. G. Osborne and A. Mitchell. 2,569,329, Sept. 25.
Orienting device, Fruit. E. W. Carroll. 2,568,947, Sept. 25.
Oscillation generator. J. H. Pratt. 2,568,868, Sept. 25.
Oscillator, Variable frequency. D. R. Goddard. 2,568,852, Sept. 25.
Oven, Metal sheet drying. F. S. Bailey. 2,568,695, Sept. 25.
Overhead door mounting. N. W. Smith. 2,569,351, Sept. 25.
Pad: *See*—
Electrically heated mattress pad. Removable endless track pad.
Hernia pad.
Paddle, Swimming. E. V. Smith. 2,569,200, Sept. 25.
Padlock slide fastener. J. M. Schaye. 2,569,076, Sept. 25.
Paper and the manufacture thereof, Vapor barrier. G. A. Fasold and H. E. Callahan. 2,568,849–50, Sept. 25.
Paper closure member for paper containers. W. E. Amberg. 2,568,697, Sept. 25.
Paper roll holder. R. A. Williams. 2,568,877, Sept. 25.
Paraffin waxes, Manufacture of. H. S. Burk. 2,568,946, Sept. 25.
Paste applier with self-closing valve. A. D. Robinson. 2,569,073, Sept. 25.
Pattern layout device. E. B. Sudhoff. 2,569,265, Sept. 25.
Pattern sheet, Basic dress. R. M. Hare. 2,568,805, Sept. 25.
Peeling apparatus, Pear. L. W. Waters. 2,569,207, Sept. 25.
Pencil, Lettering. A. Felice. 2,569,374, Sept. 25.
Pentachlorostyrene and polymers thereof. M. Markarian. 2,569,131, Sept. 25.
Phase sensitive measuring and controlling apparatus. R. F. Wild. 2,569,268, Sept. 25.
Phenoxyalkyl bromide, Preparing. L. S. Luskin. 2,569,423, Sept. 25.
Phonograph. D. C. Rockola. 2,569,115, Sept. 25.
Phonograph pickup mounting. J. F. Gordon. 2,569,305, Sept. 25.
Phosphoric acid or metal phosphate catalysts on precalcined carriers and their preparation. R. F. Deering. 2,569,092, Sept. 25.
Phosphorus sulfides, Producing. O. C. Jones. 2,569,128, Sept. 25.
Piano hammer press. J. K. Booth. 2,568,909, Sept. 25.
Pipe: *See*—
Smoking pipe.
Piston rod rotating attachment for reciprocating pumps. M. W. Schrader. 2,568,828, Sept. 25.
Piston stop, Automatic adjustment. J. J. Kovac. 2,568,858, Sept. 25.
Pitting head for peach pitting machines, Demountable. H. M. Pillars. 2,569,331, Sept. 25.
Pivot assembly for tractor mounted implements. P. C. Seaholm. 2,569,389, Sept. 25.
Pivot for horizontally swinging windows. S. E. Lidin. 2,569,109, Sept. 25.
Pivoted spring clip. W. Cohen. 2,569,371, Sept. 25.
Plant blocking machine, Spray type. H. V. Lea. 2,569,320, Sept. 25.
Plate for fish lures, Wobble. R. J. Hall. 2,569,165, Sept. 25.
Plug: *See*—
Retrievable bridge plug.
Poker chip stand. R. B. Moyer. 2,569,324, Sept. 25.
Polarity reverser. G. E. G. Graham. 2,568,801, Sept. 25.
Polycyclic sulfonates, Alkylated. W. H. Kirkpatrick and D. L. Wilson. 2,568,736, Sept. 25.
Polymeric compounds from N,N'-dicarbophenoxy-2,4-diamino toluene and hexamethylene glycol, Manufacture of high. H. Dreyfus. 2,568,885, Sept. 25.
Polymeric hydrocarbon drying oils. G. F. Leyonmark and P. E. Hardy. 2,569,383, Sept. 25.
Polymeric materials derived from di-2-propenyl phthalates. P. O. Tawney. 2,568,872, Sept. 25.
Portable power-driven tool. G. B. Larson. 2,569,244, Sept. 25.
Portfolio. A. O. Benson. 2,568,941, Sept. 25.
Position indicator. W. J. James and W. G. Bayha. 2,569,106, Sept. 25.
Pot and sink protector. F. and M. Mazzola. 2,569,247, Sept. 25.
Preparing adducts. M. Kosmin. 2,569,420, Sept. 25.
Preserving food, Method and package for. N. S. Bagdigian. 2,569,217, Sept. 25.
Press: *See*—
Piano hammer press.
Pressure adjustment and trip for printing cylinders. H. E. Peyrebrune. 2,568,761, Sept. 25.
Pressure booster and control valve therefor. C. E. Stryker. 2,569,028, Sept. 25.
Pressure delay valve. E. E. Meier. 2,568,924, Sept. 25.
Pressure tire gauge. W. J. and M. K. Van Heuvel. 2,569,120, Sept. 25.
Preventing air leakage through lubricated bearings. F. O. Luenberger. 2,568,861, Sept. 25.
Prevention of enzymatic discoloration of potatoes. A. L. Schade. 2,569,075, Sept. 25.
Producing articles from powdered material. W. K. Carter. 2,569,226, Sept. 25.
Protector: *See*—
Pot and sink protector.
Projector, Light. J. G. Whiting. 2,568,782, Sept. 25.
Projector with cooling fan and motor assembly, Slide. A. J. McMaster and W. H. Kitto. 2,568,895, Sept. 25.
Propeller, Airplane. M. Alexandre. 2,569,273, Sept. 25.
Propeller construction for watercraft. A. W. Vassar. 2,568,903, Sept. 25.
Proportional pressure distributor valve. E. A. Rockwell. 2,568,900, Sept. 25.
Pteridines, Preparation of substituted. B. Roth. 2,568,971, Sept. 25.

Pump: *See*—
Fuel injection pump. Water pump.
Pump or motor, Hydraulic. H. E. McKibben and B. I. Newton. 2,569,185, Sept. 25.
Purification of para-caproylaminobensenesulfonhydroxamide. C. M. Baker and F. B. Zienty. 2,568,993–4, Sept. 25.
Purse and billfold, Combination. J. Klein. 2,569,241, Sept. 25.
Quaternary salts-alkylbensyl alkyl dimethyl ammonium halides. P. L. de Benneville and L. H. Bock. 2,569,408, Sept. 25.
Quilting frame. T. M. Rice. 2,569,337, Sept. 25.
Rack: *See*—
Collator rack.
Radiator, Baseboard. A. C. O'Day. 2,568,818, Sept. 25.
Radio direction finding system. J. Sels. 2,568,768, Sept. 25.
Radio receiver. W. J. O'Brien. 2,569,426, Sept. 25.
Rapid service means. L. W. Bailey. 2,569,366, Sept. 25.
Razor blade dispenser. J. G. Roberts. 2,569,072, Sept. 25.
Razor, Safety. J. T. Hellmann. 2,569,167, Sept. 25.
Reaction products of N-acylated polyalkylene-polyamines with alkenyl succinic acid anhydrides. R. V. White, H. D. Norris, and P. S. Landis. 2,568,876, Sept. 25.
Reaction products of olefin oxides and P_2O_5 or P_2S_5 and forming the same. W. H. Woodstock. 2,568,784, Sept. 25.
Receiving device for remote-control installations. H. Tobler. 2,568,836, Sept. 25.
Receptacle. H. J. Fey. 2,568,725, Sept. 25.
Record changer. K. C. Bugg. 2,568,716, Sept. 25.
Recovery of copper from its ores and minerals. P. J. McGauley and E. S. Roberts. 2,568,963, Sept. 25.
Recovery of oxygenated compounds from hydrocarbon oils. C. E. Morrell and J. H. McAteer. 2,569,384–5, Sept. 25.
Rectifier manufacturing process and product obtained thereby. A. von Hippel and M. C. Bloom. 2,568,780, Sept. 25.
Reel: *See*—
Clothesline reel. Fishline reel.
Fishing reel. Hose reel.
Reeling mechanism. F. A. King. 2,569,006, Sept. 25.
Refractive index measurement of fluids. G. C. Eltenton. 2,569,127, Sept. 25.
Refrigerating apparatus for vehicles. L. L. Kuempel. 2,569,009, Sept. 25.
Regulating air-charging means for ice-cream freezers. T. and R. B. Giusti. 2,569,235, Sept. 25.
Regulator: *See*—
Electronic voltage regulator.
Reinforced insulation assembly. M. E. Barnhart and L. F. Miller. 2,568,979, Sept. 25.
Releasable hook. F. E. Osika. 2,568,820, Sept. 25.
Removable endless track pad. E. G. Hartdorn. 2,568,732, Sept. 25.
Removing inhibitors from drying oils. H. A. Vogel. 2,569,206, Sept. 25.
Removing scale from ferrous articles. C. B. Francis. 2,569,158, Sept. 25.
Reservation system. E. M. S. McWhirter and H. J. Ward. 2,568,756, Sept. 25.
Resolving emulsions. W. H. Kirkpatrick. 2,568,743, Sept. 25.
Resolving emulsions. W. H. Kirkpatrick and E. T. Kocher. 2,568,739. Sept. 25.
Resolving emulsions. W. H. Kirkpatrick and D. L. Wilson. 2,568,738, Sept. 25.
Resolving emulsions, Compositions and process for. W. H. Kirkpatrick and D. L. Wilson. 2,568,748, Sept. 25.
Resolving petroleum emulsions, Process and compositions for. W. H. Kirkpatrick and E. T. Kocher. 2,568,741, Sept. 25.
Retrievable bridge plug. H. S. Brigham. 2,568,944, Sept. 25.
Rib curving machine. R. N. Thompson. 2,569,266, Sept. 25.
Riser type stadium chair. E. B. Morgan and R. W. Clay. 2,568,896, Sept. 25.
Rocking type of drilling and tapping appliance for automatic lathes. A. Bechler. 2,568,785, Sept. 25.
Rod with adapter, Drill. J. B. Baker. 2,569,275, Sept. 25.
Roll with rubber inserts, Ribbed corn snapping. E. K. Karlsson. 2,569,175, Sept. 25.
Roller type brake. F. Koch. 2,569,108, Sept. 25.
Roofing material. H. B. Reed. 2,569,134, Sept. 25.
Rotary electric switch. M. Kurek. 2,569,177, Sept. 25.
Rotary turbine-type fluid coupling. A. M. Alexandrescu. 2,569,087, Sept. 25.
Rowing mechanism, Forward. O. Malcher. 2,569,245, Sept. 25.
Rule, Slide. C. Solomon. 2,569,202, Sept. 25.
Safety hook. W. A. Wilson. 2,568,939, Sept. 25.
Safety release cam. H. Geiger and N. H. Weber. 2,569,096, Sept. 25.
Sail for sailing craft. H. H. Kersten. 2,569,318, Sept. 25.
Sand trap. L. A. Safford. 2,568,972, Sept. 25.
Sander tool. H. T. Opland. 2,569,253, Sept. 25.
Saucer. P. Roettinger and P. Roettinger, Jr. 2,569,074, Sept. 25.
Saw. L. F. Ronan. 2,568,870, Sept. 25.
Saw, Portable power-driven hack. C. Cooper. 2,568,791, Sept. 25.
Saw table attachment for swivel saws. B. A. Fuller. 2,568,799, Sept. 25.
Scaler, Fish. P. Sagers. 2,569,022, Sept. 25.
Scarfing apparatus. J. M. Tyrner. 2,568,938, Sept. 25.
Scoring implements, Producing. C. Herzog. 2,569,054, Sept. 25.
Screen: *See*—
Vehicle window screen.
Screw for pulverulent or granular material, Feeding. J. Berthelot. 2,569,039, Sept. 25.
Sealing and compensating means, Master cylinder. H. B. Schultz. 2,569,025, Sept. 25.
Sealing apparatus. J. A. Dieter. 2,568,794, Sept. 25.
Sealing device. E. Peremi and H. Weimann. 2,569,386, Sept. 25.
Sealing openings in shell eggs. P. Gray. 2,568,917, Sept. 25.
Seat: *See*—
Wagon and truck body seat.
Seat adjuster. J. B. Parsons. 2,568,930, Sept. 25.
Seat construction, Spring. E. D. Scott and E. A. Herider. 2,568,829, Sept. 25.
Sectional perforating die. B. May. 2,568,863, Sept. 25.
Securing means. E. W. Hopkins. 2,568,735, Sept. 25.
Seismographic prospecting. L. G. Ellis. 2,569,411, Sept. 25.
Selective oxidation of steroid alcohols. L. F. Fieser and S. Rajagopalan. 2,569,300, Sept. 25.
Semiconductor unit for the utilization of electroadhesion. K. Rahbek. 2,568,824, Sept. 25.
Separation of olefins from hydrocarbon distillates containing aromatics. E. Arundale. 2,569,216, Sept. 25.
Separation of organic compounds. W. P. Burton and H. G. McGrath. 2,568,717, Sept. 25.
Series capacitor protective system. L. Podolsky. 2,569,133, Sept. 25.
Setting means for endless type members. H. I. Lippard. 2,569,013, Sept. 25.
Severing and end sealing a tube. I. W. Cox and L. D. Drugmand. 2,568,911, Sept. 25.
Sewing machine attachment. N. Bates. 2,569,396, Sept. 25.
Sewing machine throat plate retaining means. R. Casas-Robert. 2,569,091, Sept. 25.
Shaft holder. E. C. Dailey. 2,568,952, Sept. 25.
Shaft mounting means, Adjustable. S. D. Pool and C. D. Prosser. 2,569,193, Sept. 25.
Shaft seal. E. F. Norelius. 2,568,897, Sept. 25.
Shear, Hedge. R. E. Herr. 2,569,001, Sept. 25.
Sheet material cutting device. R. P. Kipp. 2,568,961, Sept. 25.
Sheet metal clamp. F. C. Wallace. 2,569,392, Sept. 25.
Sheet separating device. G. R. Robinson. 2,569,387, Sept. 25.
Shield and applicator, Finger tip. W. R. Justus. 2,569,381, Sept. 25.
Shirt board. B. C. Bartholome. 2,568,843, Sept. 25.
Shoe construction and making same. J. A. Cialo. 2,568,884, Sept. 25.
Shoe sanitizer. M. E. Special. 2,569,079, Sept. 25.
Shoes having metatarsal pad, Making slip-lasted. C. Longini. 2,569,184, Sept. 25.
Shoes, Making. A. F. Hesselberg. 2,569,055, Sept. 25.
Shoveling machine. I. D. Baker. 2,568,702, Sept. 25.
Shower head. R. J. Pagliuso. 2,569,255, Sept. 25.
Shrinkage compensatory film stripping mechanism. A. V. Bedford. 2,569,280, Sept. 25.
Shutoff for faucets, Emergency. J. P. Young. 2,569,363, Sept. 25.
Side delivery truck body. C. R. Golay. 2,569,161, Sept. 25.
Sign: *See*—
Electrical display sign.
Sign system, Electronic animated advertising. R. H. Seaman. 2,568,767, Sept. 25.
Signaling device for indicating fires or high-temperature conditions in room areas. A. O. Kjeldergaard. 2,569,062, Sept. 25.
Signaling device, Highway crossing. F. P. Miller. 2,569,111, Sept. 25.
Signaling device, Underwater. C. F. Bowersett, K. L. Baker, and C. A. Axelson. 2,568,712, Sept. 25.
Single side band modulator. L. M. Barton. 2,569,279, Sept. 25.
Slider for slide fasteners. H. Erdmann. 2,569,298, Sept. 25.
Slot wedge for dynamoelectric machines. H. L. Barth. 2,569,278, Sept. 25.
Smoking pipe. P. A. Peterson. 2,569,189, Sept. 25.
Soap containing handle. A. E. Hartmann. 2,568,856, Sept. 25.
Soap holder. H. L. Britton. 2,568,714, Sept. 25.
Sorting device for punched cards. H. E. Hooe. 2,569,170, Sept. 25.
Sound record drive. W. K. Rieber. 2,568,869, Sept. 25.
Spectacles with perfume dispenser. M. M. Kaye. 2,568,919, Sept. 25.

Spectrum analyzer. G. N. Kamm. 2,569,129, Sept. 25.
Speed-responsive fuel-control internal-combustion engines. W. H. Du Shane. 2,568,912, Sept. 24.
Spherical thrust bearing. A. B. Lakey. 2,569,178, Sept. 25.
Spoon, Food handling. J. Lanchart. 2,569,179, Sept. 25.
Spray-type absorption tower. F. Wethly and L. T. Hartmann. 2,568,875, Sept. 25.
Spraying and dusting machine. R. A. Andrews. 2,569,274, Sept. 25.
Spraying device and operation thereof. F. Nieburg. 2,569,251 Sept. 25.
Spring suspension for vehicles. E. H. Hellwig. 2,569,168, Sept. 25.
Sprinkler system, Lawn. J. A. Halford. 2,569,432, Sept. 25.
Squelch circuit. R. F. Smeltzer. 2,569,348, Sept. 25.
Stabilized vinyl chloride polymer compositions. E. E. Cowell and J. E. Darby. 2,568,989, Sept. 25.
Stand: *See*—
Flatiron stand. Poker chip stand.
Stand and cabinet apparatus for books, Combined. F. S. Schade. 2,569,117, Sept. 25.
Staple stitching machine. O. M. Tubbs. 2,569,355, Sept. 25.
Static charge removal device. J. W. Roscoe and H. Kupke. 2,569,116, Sept. 25.
Static discharge device. M. E. Miller. 2,569,249, Sept. 25.
Steam power plant using exhaust from auxiliary gas turbine for condensing steam. H. A. Bosch. 2,568,787, Sept. 25.
Stenciling apparatus. H. N. Gordon. 2,569,049, Sept. 25.
Stiffener for hydraulic cylinders. H. O. Day. 2,569,038, Sept. 25.
Stirring apparatus for glass in forehearths. W. P. Spigener. 2,569,352, Sept. 25.
Stocking, Ornamented. S. I. Burd and J. V. Clarke. 2,569,398, Sept. 25.
Stove with air-heating hood, Tobacco curing. J. H. White. 2,569,084, Sept. 25.
Straight-line-motion swinging saw support. M. V. Tracy. 2,569,334, Sept. 25.
Strain measurement. A. Wolf. 2,568,940, Sept. 25.
Strainer. F. A. Glauque. 2,569,413, Sept. 25.
Strap and clasp for use therewith, Detachable. J. Carroll, Jr. 2,569,845, Sept. 25.
Strip tensioning apparatus. M. D. Stone and J. I. Greenberger. 2,569,264, Sept. 25.
Sugar sirup preparation. G. F. Mills and J. L. Porter. 2,568,923, Sept. 25.
Sulfur, Manufacture of. G. H. Grove. 2,569,375, Sept. 25.
Support: *See*—
Garment hanger collar support.
Mandrel bar support.
Metering rod support.
Motorcycle seat support.
Straight-line-motion swinging saw support.
Yarn package support.
Support and protector, Collar. J. W. Steele. 2,568,871, Sept. 25.
Support for bubble light device. L. H. Silver and E. M. Cohen. 2,569,078, Sept. 25.
Support for ironing tables, Collapsible. H. B. Rich and A. Green. 2,569,427, Sept. 25.
Swing. H. C. Hughes. 2,569,060, Sept. 25.
Switch: *See*—
Rotary electric switch.
Snap-action electric switch.
Transmission control switch.
Synthesis of organic compounds, The. N. L. Dickinson, E. F. Everett, and L. R. Hill. 2,568,953, Sept. 25.
Synthesizing gasoline hydrocarbons. G. B. Arnold and H. V. Hess. 2,568,841, Sept. 25.
Synthetic lubricants. T. F. Rutledge, F. M. Seger, A. N. Sachanen, and W. E. Garwood. 2,569,429, Sept. 25.
Syringe, Disposable. W. Friedman. 2,568,915, Sept. 25.
System of therapeutic treatment. A. W. Schenker. 2,568,934, Sept. 25.
Table: *See*—
Folding table.
Table and folding ironing board, Combined kitchen. P. P. Springer. 2,569,263, Sept. 25.
Table and ironing board, Combined. A. Sealy. 2,568,830, Sept. 25.
Tacking machine. A. J. Batten. 2,569,220, Sept. 25.
Tape feeding and storage device. W. J. Zenner. 2,569,364, Sept. 25.
Tariff drill. N. S. Welk. 2,569,210, Sept. 25.
Telephone set, Loud-speaking. R. K. Potter. 2,568,823, Sept. 25.
Telephone system auxiliary line finder arrangement, Automatic. O. C. Hall. 2,568,804, Sept. 25.
Temperature control mechanism. F. J. Cantalupo, E. P. De Craene, and R. P. Setka. 2,569,402, Sept. 25.
Tertiary-aminoalkyl-alpha-aryl-alpha-(4-quinolyl) acetates and amides and their preparation. A. R. Surrey and R. A. Cutler. 2,568,778, Sept. 25.
Testing device for carburetor valves. A. Fegel. 2,569,299, Sept. 25.
Tetrahalomethylhexestrols and derivatives thereof. E. Kaiser. 2,568,809, Sept. 25.
Textile cone. C. K. Dunlap. 2,569,094, Sept. 25.
Thermosetting resins and molding compositions from wallaba resin, Manufacture of. H. R. Fleck and G. B. E. Schueler. 2,569,301, Sept. 25.
Thermostatic device for controlling heating apparatus. J. Godefroy. 2,568,916, Sept. 25.
Thermostatic valve. J. Vellinga. 2,569,359, Sept. 25.
3-azo derivatives of 1-substituted 2,5-diketo-7-methylpyrimidopyrazoles. H. B. Kellog. 2,569,418, Sept. 25.
Thumbtack extractor. I. L. Thompson. 2,568,835, Sept. 25.
Tile cutting device. E. Marus. 2,568,816, Sept. 25.
Timer. J. D. Williams, Jr. 2,568,906, Sept. 25.
Tire lifter. H. D. Kors. 2,569,242, Sept. 25.
Toilet, Colostomy. L. C. Jacobs. 2,568,857, Sept. 25.
Tool: *See*—
Portable power-driven tool.
Sander tool.
Weil tool.
Tool for forcing a tire bead from its associated rim flanges, Portable. L. Vanleirsberghe. 2,568,874, Sept. 25.
Tool for pipes or the like, Marking. E. Smith. 2,569,349, Sept. 25.
Tool having hooklike elements connected to a flexible rod by fully reversible, freely operable hinge joints, and hooklike elements therefor, Cleaning. A. N. Kraft. 2,569,008, Sept. 25.
Toolholder. J. Motel. 2,569,069, Sept. 25.
Top structure for Venetian blinds. B. B. Junkunc. 2,569,173, Sept. 25.
Totalizer, Egg. H. J. Mumma. 2,568,758, Sept. 25.
Toy building and puzzle, Combined. C. V. Johnson. 2,569,107, Sept. 25.
Toy, Finger-operated boxing. H. Schechtel. 2,569,260, Sept. 25.
Toy typewriter. S. I. Berger. 2,569,145, Sept. 25.
Toy, Weight operated climbing. R. C. Blaich and J. A. Banzhaf. 2,568,908, Sept. 25.
Traffic controlling apparatus, Railway. C. W. Fallor and J. R. Henderson. 2,568,997, Sept. 25.
Trailer, Collapsible house. F. L. Wheeler. 2,569,082, Sept. 25.
Trailer hitch, Adjustable. B. A. Zenk. 2,569,086, Sept. 25.
Transformer. H. J. Benner and A. M. Hadley. 2,569,036, Sept. 25.
Transistor multivibrator circuit. R. F. Shea. 2,569,345, Sept. 25.
Transmission control switch. L. D. Boyce. 2,569,148, Sept. 25.
Trap: *See*—
Sand trap.
Treating petroleum distillates. J. G. Browder and A. R. Smith. 2,569,370, Sept. 25.
Treating separating suspensions, Method and apparatus for. P. S. Bakels. 2,569,141, Sept. 25.
Treatment for drilling fluids. T. M. Doscher. 2,568,992, Sept. 25.
Trichloromethyl compounds, Making. E. C. Ladd and L. Y. Kiley. 2,568,859, Sept. 25.
Triketones, Production of. D. S. Melstrom and R. T. Holm. 2,569,132, Sept. 25.
Truing machine, Centerless. F. M. Rosaz. 2,568,825, Sept. 25.
Truss. L. J. Marrier. 2,568,815, Sept. 25.
Tube and circuit therefor, Vacuum. C. W. Hansell. 2,568,855, Sept. 25.
Tube frame for Axminster looms. W. Y. Robb. 2,569,196, Sept. 25.
Tubular dispensing container. V. Muscat and H. F. Temple. 2,569,325, Sept. 25.
Two-cycle double-acting engine. R. L. Wilkins. 2,569,269, Sept. 25.
Utility window bracket. M. L. Perrin. 2,568,968, Sept. 25.
V-gear transmission. H. O. Schjolin. 2,569,341, Sept. 25.
Vacuum apparatus for filling capsule-like receptacles with fluid. E. P. De Craene. 2,569,410, Sept. 25.
Vacuum cleaner. A. H. Beede and L. P. Borkoski. 2,569,222, Sept. 25.
Vacuum tube oscillator device, Ultra high frequency. W. H. Freeman. 2,568,727, Sept. 25.
Valve: *See*—
Check valve.
Differential pressure closed safety valve.
Flexible valve.
Flush tank control valve.
Lightweight solenoid valve.
Lubricated plug valve.
Mechanically operated check valve.
Pressure delay valve.
Proportional pressure distributor valve.
Thermostatic valve.
Valve. R. Fennema and F. J. Cantalupo. 2,569,412, Sept. 25.
Valve. H. W. Sanford. 2,569,023, Sept. 25.
Valve construction. O. C. Martin. 2,569,014, Sept. 25.
Valve for compressed fluids, Relay. A. Dewandre. 2,568,723, Sept. 25.
Valve lubricating and cooling apparatus, Overhead. F. R. Good. 2,568,729, Sept. 25.
Vamp and sole connection. J. P. Tarbox. 2,568,974, Sept. 25.
Variable inductive coupling. T. H. Chambers. 2,568,718, Sept. 25.
Variable sweep circuit. I. A. Greenwood, Jr., and J. D. Hirsch. 2,569,164, Sept. 25.
Vehicle: *See*—
Bale handling vehicle.
Coal mine haulage vehicle.
Vehicle door latch. W. A. Endter. 2,569,047, Sept. 25.
Vehicle-window screen. S. J. Galla. 2,568,800, Sept. 25.
Venetian blind. J. L. Hunter. 2,569,171, Sept. 25.
Ventilating apparatus. O. J. Krug. 2,569,319, Sept. 25.
Vertical boiler. A. E. Watts. 2,568,781, Sept. 25.
Vessel, Cylindrical packing. T. E. Arijoki. 2,569,088, Sept. 25.
Vibratory electric motor. T. J. Mesh. 2,568,757, Sept. 25.
Vinyl chloride polymers plasticized with alkoxyethyl esters of (1',2'-dicarboxyethyl)octadecenoic acid. J. Dazzi. 2,569,406, Sept. 25.
Vinyl chloride polymers plasticized with alkoxyethyl esters of (1',2'-dicarboxyethyl)undecylenic acid. J. Dazzi. 2,569,407, Sept. 25.
Vinyl chloride polymers plasticized with esters of (1',2'-dicarboxyethyl)octadecenoic acid. J. Dazzi. 2,569,404, Sept. 25.
Vinyl chloride polymers plasticized with esters of (1',2'-dicarboxyethyl)undecylenic acid. J. Dazzi. 2,569,405, Sept. 25.
Viscosity measuring means. H. M. D. de Beaumont. 2,568,793, Sept. 25.
Vise, Fly-tying. E. C. Mayhew and A. W. Round. 2,569,424, Sept. 25.
Vise, Jar. V. E. Holmen. 2,569,239, Sept. 25.
Wagon and truck body seat. M. E. Stone. 2,568,832, Sept. 25.
Watch, Alarm. R. Ditisheim. 2,568,795, Sept. 25.
Water pump. J. M. Baldwin. 2,568,842, Sept. 25.
Water pump cap-screw remover. P. H. Bossen. 2,568,788, Sept. 25.
Wave length modulation. G. Hepp. 2,569,309, Sept. 25.
Waxing machine, Floor. W. A. Anderson. 2,568,699, Sept. 25.
Weather strip, Vehicle window. V. A. Larsen. 2,568,811, Sept. 25.
Welded rivet construction for electrical brushes and contacts. M. O. Huff and A. W. Seidler. 2,569,059, Sept. 25.
Well apparatus. A. P. Springer. 2,569,026, Sept. 25.
Well logging. B. W. Sewell. 2,569,390, Sept. 25.
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Windshield wiper. H. F. Malone. 2,568,922, Sept. 25.
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Winding machine, Armature. P. J. Burdulis. 2,568,945, Sept. 25.
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Wood filler composition. L. Roon and W. T. Smith. 2,568,765–6, Sept. 25.
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Wrench operated tap changer mechanism. P. A. Unversagt. 2,568,888, Sept. 25.
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Yarn package support. A. W. Keight. 2,568,892, Sept. 25.
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CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 25, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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207: 2,569,313
311— 89: 2,569,007
312— 111: 2,569,236
233: 2,569,117
271: 2,569,209
272: 2,569,254
313— 76: 2,569,343
218: 2,568,705
231: 2,569,192
315— 30: 2,569,240
31: 2,569,164
97: 2,568,767
252: 2,569,334
318— 6: 2,569,287
29: 2,569,268
170: 2,569,142
229: 2,568,701
258: 2,569,317
325: 2,568,774
320— 1: 2,569,249
322— 25: 2,569,302
323— 4: 2,569,204
332— 15: 2,568,724
22: 2,569,309
25: 2,569,358
45: 2,569,279
343— 6: 2,568,926
118: 2,568,768
346— 8: 2,569,328
101: 2,568,754

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,568,700:	219—20	2,568,826:	2—278	2,568,943:	250—65	2,569,089:	158—123	2,569,233:	123—139	2,569,370:	196—29
2,568,713:	73—88	2,568,830:	38—105	2,568,946:	196—20	2,569,094:	242—119	2,569,240:	315—30	2,569,376:	211—105.6
2,568,715:	74—409	2,568,832:	155—9	2,568,965:	252—57	2,569,116:	204—313	2,569,244:	121—35	2,569,378:	222—61
2,568,724:	332—15	2,568,847:	117—128	2,568,979:	175—21	2,569,119:	43—42.04	2,569,251:	299—143	2,569,379:	2—26
2,568,727:	250—36	2,568,849:	117—137	2,568,988:	155—27	2,569,124:	260—423	2,569,257:	222—153	2,569,380:	260—450
2,568,736:	260—501	2,568,850:	117—137	2,568,989:	260—30.6	2,569,137:	29—358	2,569,274:	43—148	2,569,383:	260—680
2,568,737:	252—153	2,568,856:	222—336	2,569,002:	123—121	2,569,154:	315—31	2,569,317:	318—258	2,569,400:	260—93.5
2,568,742:	222—341	2,568,876:	252—51.5	2,569,017:	137—104	2,569,187:	119—14.14	2,569,326:	260—243	2,568,406:	260—31.4
2,568,745:	252—341	2,568,894:	106—187	2,569,021:	211—120	2,569,189:	131—174	2,569,327:	175—21	2,569,407:	260—31.4
2,568,748:	252—341	2,568,898:	132—19	2,569,023:	251—27	2,569,191:	214—83.34	2,569,328:	346—8	2,569,411:	181—.5
2,568,765:	106—237	2,568,899:	40—155	2,569,032:	137—78	2,569,192:	313—231	2,569,334:	315—252	2,569,412:	251—69
2,568,767:	315—97	2,568,904:	216—13	2,569,035:	239—6	2,569,201:	97—47	2,569,347:	179—171	2,569,434:	66—180
2,568,799:	143—46	2,568,907:	120—84	2,569,040:	292—223	2,569,204:	323—4	2,569,350:	80—5.1		
2,568,813:	244—15	2,568,915:	128—224	2,569,057:	43—42.14	2,569,205:	220—71	2,569,354:	143—36		
2,568,814:	220—63	2,568,927:	250—1	2,569,073:	15—135	2,569,208:	260—423	2,569,355:	1—4		
2,568,823:	179—15.5	2,568,989:	24—242	2,569,085:	222—200	2,569,215:	75—44	2,569,363:	251—50		

Classification of Designs

D 3—26: Des. 164,643
D 9— 6: Des. 164,627
D14— 3: Des. 164,644
6: Des. 164,656
D15— 8: Des. 164,619
D18— 2: Des. 164,625
D20—11: Des. 164,642
14: Des. 164,648

D22— 1: Des. 164,620
D33— 8: Des. 164,653
14: Des. 164,632
19: Des. 164,622
D34—13: Des. 164,641
15: Des. 164,657
D36— 2: Des. 164,645
D44—10: Des. 164,650

D44—10: Des. 164,659
15: Des. 164,640
Des. 164,660
Des. 164,661
22: Des. 164,630
24: Des. 164,647
D45— 4: Des. 164,629
16: Des. 164,652

D47— 7: Des. 164,633
Des. 164,634
Des. 164,635
Des. 164,636
Des. 164,637
Des. 164,638
D54—12: Des. 164,646
D58—11: Des. 164,658

D58-126: Des. 164,628
13: Des. 164,624
D59— 8: Des. 164,654
D60— 9: Des. 164,631
D61—10: Des. 164,651
25: Des. 164,655
D67— 3: Des. 164,621
Des. 164,623

D67— 3: Des. 164,626
Des. 164,639
D93— 3: Des. 164,649

U.S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business September 7, 1951

Total number of patent applications awaiting action, 110,256. Date of oldest new application, October 18, 1950; date of oldest amended application, October 12, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-22-50	10-12-50	2364
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	12-7-50	11-29-50	1340
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	1-11-51	1-12-51	1660
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	11-16-50	11-13-50	1984
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	1-24-51	1-24-51	956
6. SURLE, H., Carbon Chemistry (part)	12-1-50	12-1-50	1850
7. GONSALVES, J. E., Optics; Photography (part)	1-6-51	1-8-51	1291
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes, Ladders; Scaffolds	11-18-50	11-18-50	1930
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	11-24-50	11-24-50	1616
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-14-50	11-17-50	1254
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	11-13-50	11-10-50	1027
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	12-15-50	12-8-50	1224
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	10-30-50	10-26-50	1263
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	10-30-50	10-30-50	1637
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-29-51	1-24-51	1330
16. LOVEWELL, N. N., Television, Telephony	11-14-50	11-9-50	1399
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	11-7-50	11-7-50	1626
18. KURZ, J. A., Power Plants; Speed Responsive Devices	12-9-50	12-1-50	1341
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	10-25-50	10-23-50	1220
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	11-1-50	11-1-50	1526
21. MADER, R. C., Textiles; Package and Article Carriers	10-27-50	10-26-50	1756
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	11-8-50	11-10-50	1277
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-4-50	10-31-50	892
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	1-12-51	1-8-51	1800
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-4-50	12-2-50	1402
26. YOUNG, R. B., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	11-9-50	11-10-50	1304
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	10-23-50	10-23-50	2220
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	11-2-50	11-1-50	1585
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-8-50	1715
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	1-8-51	1-8-51	1641
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	12-29-50	12-21-50	2012
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	10-27-50	11-1-50	1379
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	11-17-50	11-30-50	2204
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	11-1-50	11-1-50	1289
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-2-50	11-16-50	1673
36. McFADYEN, A. D., Measuring and Testing	10-28-50	10-30-50	1317
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	12-9-50	12-14-50	1367
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-14-50	11-30-50	1336
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	12-1-50	12-1-50	2367
40. DRUMMOND, E. J., Receptacles (part); Packages	11-6-50	11-10-50	2705
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-6-50	11-3-50	1340

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 110,256. Date of oldest new application, October 18, 1950; date of oldest amended application, October 12, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARAIS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	11-8-50	11-7-50	2083
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-17-51	2-2-51	1023
44. HARVEY, L. P., Beds; Chairs, Seats	11-3-50	10-31-50	1584
45. MANLAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	10-18-50	10-18-50	1705
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	12-6-50	10-25-50	1117
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	12-2-50	11-4-50	1495
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-2-50	11-27-50	942
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	11-24-50	11-28-50	1620
50. LEVIN, S., Synthetic Resins	2-24-51	2-2-51	1468
51. YAFFEE, S., Radiant Energy (part c. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	11-13-50	11-8-50	1172
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-13-50	11-13-50	2463
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	1-9-51	12-30-50	992
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	11-9-50	11-3-50	1727
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1-2-51	1-4-51	1153
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	12-18-50	12-18-50	1587
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	11-24-50	11-18-50	1734
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	11-22-50	11-17-50	1274
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	12-6-50	12-5-50	1348
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	11-24-50	11-20-50	1277
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-1-50	11-2-50	1584
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	11-13-50	11-7-50	1634
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	12-29-50	12-9-50	1706
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-2-51	2-1-51	1808
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-12-50	12-15-50	1633
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	11-4-50	10-13-50	1276
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-8-50	12-13-50	1442
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	11-27-50	11-30-50	1759
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	10-30-50	10-28-50	1389
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	10-30-50	10-31-50	1734
DESIGNS: A. BREHM, G. L., Industrial Arts	4-18-51	5-12-51	713
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	4-7-51	5-1-51	1460

Total number of trade-mark applications awaiting action (including renewals and republications), 18,176. Date of oldest new application, Jan. 12, 1951; date of oldest amended application, Jan. 11, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	1-29-51	1-27-51	5577
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	2-1-51	1-13-51	3347
Renewals (All Classes)	6-29-51	8-2-51	715
Republications (All Classes)	7-18-51	8-2-51	262
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	1-12-51	1-11-51	4474
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	2-6-51	2-1-51	3801

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE HELTZER

No. 5792. Decided June 5, 1951

[189 F.2d 971; 90 USPQ 92]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—HIGHWAY MARKING PAINT AND METHOD OF APPLYING. A certain claim to a highway marking paint *Held* improperly rejected on an ambiguous statement in the cited reference; certain other claims to a highway marking paint and method of applying *Held* properly rejected as including limitations of undue breadth; and a certain claim to a method of applying highway marking paint further *Held* properly rejected as directed to no more than a conventional paint applying step.

APPEAL from Patent Office. Serial No. 624,947.

MODIFIED.

Robert I. Coulter (*George I. Haight* and *Carpenter, Abbott, Coulter & Kinney* of counsel) for appellant.

E. L. Reynolds (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the rejection by the Primary Examiner, to whom we hereinafter refer as the Examiner, of all the claims, numbered 11 to 15, inclusive, embraced in appellant's application for patent for alleged "new and useful improvements in Highway Marking Paint Containing Glass Beads."

Claims 11, 12, 13, and 14 are directed to a paint containing certain described pigments with which there is an admixture of minute transparent glass beads, the product as a whole being adapted to be sprayed on highway surfaces in lines marking the center of the highway and, where desired, in lines outlining traffic lanes and safety zones. Claim 15 is for the method of applying the paint product described therein, the method defined being by spraying.

In view of the grounds of rejection, we here reproduce claims 11, 14, and 15:

11. A quick-drying reflective highway marking paint essentially comprising a drying-oil-base varnish containing a brilliantly reflective pigment and additionally containing magnesium silicate pigment adapted to provide a false-body, the pigment volume ratio being about 25 to 45%, and a suspended admixture of transparent glass beads having an average diameter of the order of about 3 to about 10 mils and present in the proportion of about 3 to 8 pounds per gallon of bead-free paint, the beaded paint being adapted to be sprayed on highway surfaces subject to vehicular traffic to provide durable reflex light-reflective traffic markers which have a high night-time visibility to motorists.

14. A quick-drying pigmented reflective highway marking paint adapted to bond to highway surfaces and resist weathering and traffic wear, characterized by containing a suspended admixture of transparent glass beads having an average diameter of the order of about 3 to about 10 mils, the proportions of pigment and of glass beads being correlated so that the beaded paint is adapted to be sprayed on highway surfaces subject to vehicular traffic to provide durable reflex light-reflective traffic markers which have a high night-time visibility to motorists.

15. A single-step method of providing reflex light-reflective markers on highway surfaces, which comprises spraying upon a highway surface subject to vehicular traffic a coating of quick-drying pigmented reflective highway marking paint containing an admixture of transparent glass beads having an average diameter of the order of about 3 to about 10 mils, the proportions of pigment and of glass beads being correlated so that the resultant dried beaded paint coating will provide a durable reflex light-reflective marker which has a high night-time visibility to motorists.

There are no limitations in claims 12 and 13 which distinguish them from the other claims in a patentable sense.

All the claims were rejected as unpatentable over the disclosures of a patent, No. 2,268,537, issued December 30, 1941, to Leroy Shuger upon an application filed May 19, 1939.

That patent is the only prior art cited, and it presents the only ground upon which claim 11 was rejected.

The remainder of the claims were rejected additionally upon other grounds hereinafter stated.

It seems proper first to consider claim 11 and its rejection upon the Shuger patent standing alone. This patent embraces three claims all of which are for the product but, as stated in substance by the respective tribunals of the Patent Office, Shuger discloses a method of producing markings upon highways by first applying the paint defined in his patent claims in lines running on the surface of the highway and then sprinkling minute beads on the paint while it is in a tacky condition.

The beads applied to the wet paint by Shuger overlap in size those which appellant mixes in his paint before spraying it on the highway, and the pigment ingredients of Shuger's paint are substantially the same in quality and quantity as those of appellant.

Shuger's two-step method—that is, first applying the paint and then separately applying the beads on the wet paint—is disclosed clearly, although not claimed as a method, in his patent.

On the other hand, a disclosure of the application of appellant is that of premixing the beads with the paint and then applying the mixture in a single step. As has been stated, appellant presents claims for both the product and the method of applying it.

Vol. 650 • No. 4 Tuesday, September 25, 1951 Price $33.00 per year

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The purpose of the beads is to reflect light, particularly at night, and thus illuminate the painted lines.

The claims of the Shuger patent are for the "combined highway and lane line" resulting from the use of his paint plus the beads separately applied on it, as may be seen from his claim 2 which reads:

2. A combined highway and lane line comprising a road surface, a reflecting binder thereon comprising pigment, non-volatile oil, and resin, and a series of autocollimating units partially embedded in said binder, the ratio by volume of pigment to pigment, non-volatile oil, and resin being less than 50 per cent.

Appellant's claims (except No. 15) are for the product containing various elements, including beads, which have been mixed together. The elements, including the beads, are named also in claim 15, which is in method form.

It should be distinctly understood that the tribunals of the Patent Office did not rely upon the disclosure of the two-step method in the Shuger patent as an anticipation of the appealed claims which negatived invention on the part of appellant.

Their rejection of claim 11 is grounded solely upon their interpretation of certain phraseology appearing in Shuger's specification from which interpretation they concluded that Shuger, as expressed by the Examiner, made "a clear disclosure of the concept of a premixed marker paint containing glass spheres."

The Examiner said:

• • • The point at issue is whether Shuger discloses a *premixed paint* containing the glass beads, or merely the formation of the highway marker by a two-step application such as has been previously described. [Italics supplied by us.]

It seems to us that the question may be stated quite simply as follows: Does Shuger clearly and distinctly disclose a paint which has transparent glass beads as part of its composition in its finished state and before it is used in forming lines to serve as highway markers?

That is what appellant discloses and claims, and we are of opinion, upon the facts here appearing, that the Shuger patent must show that in order properly to be regarded as a pertinent reference.

In order to answer correctly the question so posed, it is necessary to interpret the phraseology of the Shuger specification, which impresses us as being somewhat ambiguous.

With respect to "whether Shuger discloses a premixed glass bead containing paint," the Examiner quoted the whole of the second paragraph and a part of the third paragraph of the Shuger specification reading:

Prior to the instant invention it has been suggested that glass spheres be laid in a paint when the latter is in a semi-dry or tacky condition. This procedure has not always proven satisfactory for in some cases the spheres sink down to the base on which the paint has been applied and when this condition occurs, the marker will not act as desired for no reflecting medium will be about the lower portions of the spheres which is absolutely essential for autocollimation.

It has further been suggested that center lines and lane lines on roadways which are subjected to vehicular traffic be fabricated of paint incorporating minute glass spheres but such lines have been relatively short-lived for the spheres soon become disengaged from the paint . . . [Emphasis added by the Examiner.]

We are of opinion that the text of the remainder of the third paragraph, paraphrased but not quoted by the Examiner, is of aid in construing this portion of the Shuger specification, and it seems that the continuity of thought and the sense of the language may be preserved best by quoting it at this point to be read in connection with the part which the Examiner quoted:

• • • and the corresponding autocollimating [that in the self-redirection of the line of light] effect which the spheres attribute to the lines is lost. The presence of autocollimating units such as glass spheres in a lane line protects the paint or reflecting binder from wear due to vehicular traffic and as long as the spheres are held to the paint or binder, the marker shows little wear but as soon as the spheres become dislodged, wear of the marker is accelerated.

The Examiner further said:

Applicant [appellant here] argues very strenuously that the disclosure of "a paint incorporating minute glass spheres" is ambiguous and reads upon a road line made by a two-step process as well as upon a premixed paint. He proceeds, therefore, to attempt to interpret this portion [of the] Shuger disclosure, on the basis of the rest of the Shuger disclosure as well as the Shuger file wrapper. It is believed however, that the portion of the Shuger disclosure relied upon by the Examiner cannot be fairly interpreted to suggest anything but a premixed paint.

The Board quoted verbatim only the particular language of the third paragraph reading, "It has further been suggested that center lines . . . on roadways . . . be fabricated of paint incorporating minute glass spheres . . . ," and followed this quotation by asserting:

The Examiner contends that this should be read as describing a paint which has glass spheres incorporated therein and that this composition is then used to fabricate the center lines, etc. • • •

Then, after stating appellant's contention that the quoted matter "should be read to the effect that the center lines are fabricated by first applying paint and then incorporating the glass spheres on the painted line by applying thereto," continued:

• • • The Examiner apparently interprets the disputed language as referring to a practice other than that which the patentee [Shuger] himself intended to use. The Examiner was of the opinion that a disclosure by Shuger of a practice wherein the beads were incorporated into the paint prior to applying to the roadway was sufficient to defeat the claims notwithstanding that the patentee did not approve of such practice. We have given careful study to this question but are constrained to agree with the Examiner that Shuger sufficiently suggests incorporating, that is mixing, minute glass spheres with a paint. This suggestion is, we believe, sufficient to anticipate the claims here on appeal. The Examiner has pointed out that the paint, other than for the glass spheres, is completely anticipated by Shuger's paint. It therefore follows that the Shuger disclosure of the incorporation of glass beads into paint is sufficient to anticipate that aspect of the claimed subject matter.

In the final analysis, much seems to turn upon the meaning which is to be given to the word "incorporating" as used in the clause quoted by the Board from the Shuger specification. Seemingly, the clause has been treated by the tribunals of the Patent Office as if it read: It has further been suggested that certain lines • • • on roadways • • • be fabricated of paint having as one of its ingredients minute glass spheres.

That does not seem to us to be the most natural and reasonable interpretation of the term "incorporating." One statement made by the Examiner which, it is fair to assume, the Board approved, although not specifically stating so, reads:

• • • Applicant's conclusions [that the phrase "a paint incorporating minute glass spheres" is ambiguous and reads upon a road line made by a two-step process as well as upon a premixed paint] can be arrived at only by relying upon a great deal of speculation and by straining the ordinary connotations one would gather upon reading this disclosure.

We do not agree with this view. Upon the contrary, it seems to us that speculation and straining are required to limit the meaning of the phraseology to beads in a premixed paint. "Incorporating" normally is a participle. We think it obvious that it was used in its normal sense in the quoted clause and that it connotes incorporating glass beads on or into paint after the paint has been spread on the highway quite as readily as it connotes incorporating it before the paint is spread. We are of the further opinion, considering the state of the art at the time the Shuger application was filed, insofar as that state is disclosed by the record, in connection with the entire pertinent text of the specification, that Shuger more probably had the former in mind. In any event, the quoted phraseology seems to us to be insufficient to support a conception of appellant's clearly defined idea.

We do not overlook the statement of Shuger's objections to the "paint incorporating minute glass spheres" recited in the paragraph hereinbefore quoted, to the effect that lines made with such paint have been relatively short-lived for the spheres soon become disengaged from the paint, etc., but there is nothing in this statement which is inconsistent with the idea that the beads to which he referred were incorporated in the paint after it had been spread rather than before it had been spread. Shuger's paint was a new product unless the Patent Office made a mistake in granting him a patent, and by reason of its nature as a binder, it may have held the beads applied to it more securely than paints of the prior art.

It is said in appellant's application:

Transparent glass beads have previously been used in spherulate highway markings and the like, but for such use *have inveriably been applied in a separate operation to the exposed and still sticky surface of a previously applied paint film.* In this connection reference is made to the article "Glass Beads for Road Stripes" published in Public Works, vol. 75, page 18 (November 1944), wherein are mentioned several of the advantages to be obtained from this use of glass beads. See also the U. S. Patent to F. H. Korff, No. 2,043,414, issued June 9, 1936. [Italics supplied by us.]

In addition to those previously known, I obtain the following advantages by means of my new and novel composition:

1. The paint composition may be applied by simple spray or brush methods now available, without the necessity of modification of existing road-striping equipment of the spray or brush type as used for ordinary paints.
2. The application is complete in a single step.
3. The over-all cost of application is reduced.
4. Improved distribution and bonding of the glass spheres is accomplished.
5. Longer useful life of the coated strip is obtained.
6. Loss of beads during application is avoided.

Appellant's contribution to the art of providing markings for the surfaces of highways, such as those herein described, consists of mixing beads with paint, before the paint is applied to the road surface. It may be conceded that the beads are old and that the paint is old, but no reference has been cited in which there is any showing of a paint containing beads as an ingredient in the premix.

There is no citation of any prior art which specifically discloses the existence, before appellant entered the field, of a ready mixed paint having glass beads as one of its ingredients, and we do not find ourselves in agreement with the tribunals of the Patent Office that a conception is shown by the phrase, "It has been further suggested," together with the phraseology which follows, hereinbefore quoted, which constitutes an anticipation of appellant's product. It is too vague and uncertain to constitute a concept. It would not, in our opinion, be honored ordinarily as establishing conception. It is not amiss to repeat that anticipation by the Shuger patent is the only ground of rejection of claim 11. There was no rejection of that claim, or in fact of any of the other claims, as failing to define invention per se. Were we to reject it on that ground, we would be regarded as exceeding our authority by applying a new ground of rejection.

The record in the case is an elaborate one and the brief for appellant contains numerous repetitions of thought and discusses some phases of the controversy which, under the view we take of the case, need not be discussed in this opinion.

We think claim 11 was rejected improperly below.

Claim 12 was rejected additionally as being "too broad and functional in the recitation of 'a false-bodying agent'." The only pigment named in the specification as adapted to provide a false-body appears to be asbestine, which is another name for magnesium silicate. Claim 12 recites broadly "a false-bodying agent," thus seeking to cover all false-bodying agents whatever their composition.

We think claim 12 was rejected properly upon the last named ground.

Claims 13 to 15, inclusive, were rejected additionally as unduly broad in that they failed to define the paint composition with sufficient particularity. Upon this phase the Examiner pointed out that no specific vehicle (paint composition) class or type of vehicle was defined in the claims and said:

• • • While the specific vehicle may not be critical in a strict sense, it is obvious that not all vehicles would be suitable. Thus, to be satisfactory, the paint vehicle must be quick drying, must contain reflective pigments and must form a durable, tenacious film. Not all vehicles possess such characteristics. Thus, water may be called a vehicle but obviously would be unsuitable. Applicant points to Example 3 on page 8 as showing a water-vehicle, but this example shows a resin emulsion vehicle containing water rather than water per se.

We do not think the Board erred in approving the rejection of those claims upon that particular ground.

Claims 14 and 15 were rejected additionally "as functional in reciting the proportion of pigment and beads as adapted to provide the desired results." In view of the result flowing from our approval of other grounds of rejection of these claims, it is unnecessary that we pass upon this ground.

It is not amiss to point out that method claim 15 is not for a method of making appellant's paint but for a method—spraying—of applying his paint after it is made. Since spraying is a well known method of applying paint there certainly was no error in rejecting that claim upon that additional ground.

For the reasons stated, we affirm the decision of the Board of Appeals approving the Examiner's rejection of claims 12 to 15, inclusive, but reverse its approval of the rejection of claim No. 11.

MODIFIED.

U. S. Court of Customs and Patent Appeals

GROAT *v.* SHUTTLEWORTH

No. 5791. Decided June 5, 1951

[90 F.2d 90; 90 USPQ 90]

1. INTERFERENCE—PRIORITY OF INVENTION—METHOD OF MAKING PILE FABRIC.

The decision of the Board of Interference Examiners awarding priority of invention to appellee of the count in issue relating to a method of making pile fabric is affirmed on the ground of lack of diligence by the appellant and prior reduction to practice by appellee.

APPEAL from Patent Office. Interference No. 83,246.

AFFIRMED.

Ralph Burch for appellant.

Pennie, Edmonds, Morton and Barrows (*Leslie B. Young* and *Clarence M. Fisher* of counsel) for appellee.

JACKSON, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners awarding to appellee priority of invention of the subject matter embraced within a single count which reads as follows:

A method of making a pile fabric having a backing and a plurality of pile warps which comprises forming the backing with the pile warps held therein by elements of the backing, raising the pile warps selectively from the backing in accordance with a pattern and restoring them to the backing to form transverse rows of portions of the pile warps projecting above the backing to form pile having portions thereof in alternate rows projecting from the backing to a height higher than the pile warps in other rows, cutting said portions in said alternate rows along the backing to form tufts, while leaving the portions in the intermediate rows uncut to form loops, increasing the height of the loops in each row thereof to a height less than the height of the tufts and then reducing the height of only the loops of those pile warps of which portions are raised in the next succeeding intermediate row.

The interference involves an application of appellant, Serial No. 752,217, filed June 3, 1947, and assigned to the Magee Carpet Company, and an application of appellee, Serial No. 728,867, filed February 15, 1947, and assigned to Mohawk Carpet Mills, Inc.

The interference, when first declared, contained two counts both of which were suggested by the Primary Examiner. During the interlocutory period appellant moved to dissolve the interference on the ground that the counts were unpatentable over either a prior patent to appellee, No. 2,164,090, dated June 27, 1939, which issued on an application, Serial No. 257,904, dated February 23, 1939, alone, or over that patent in view of other prior art.

The motion to dissolve was granted by the Primary Examiner as to one of the counts but denied as to the count involved herein.

In the preliminary statement of appellant it is alleged that the invention was first disclosed to others on April 24, 1939; first drawings were made on June 19, 1940; reduction of the invention to practice as of September 1940; the exercise of reasonable diligence from July 1939; and the first written description of the invention made as of June 1946.

The appellee alleges in his preliminary statement that the invention was first disclosed to others and the exercise of due diligence was begun on or about October 15, 1940; first drawings on December 2, 1946; first written description January 2–6, 1947; and reduction of the invention to practice on October 30, 1940.

Both parties took testimony, filed briefs, and were represented at the final hearing before the Board.

The Board held the record established that appellant was the first to conceive the process defined by the count in 1940, and it is admitted by appellee that appellant actually reduced the invention to practice in 1946.

In view of the strict standard established for corroboration of evidence from which reduction to practice is determined, the Board stated that it was inclined to the holding that neither appellant nor appellee established such actual reduction prior to their respective filing dates. In that event, of course, appellee would be awarded priority of invention for the reason that he is the senior party having been the first to file his application. The Board then remarked that if the method of production could be properly deduced from the fabric product and appellant awarded actual reduction to practice of his fabric made by the involved method in 1946, by the same principle appellee is entitled to an actual reduction of the invention to practice prior to 1946, namely, in 1941, and, therefore, in that event he must be awarded priority of reducing the invention to practice.

In view of those holdings the Board examined the record with respect to the diligence of appellant during the critical period beginning just prior to appellee's entry into the field in 1940 up to appellant's actual reduction to practice in 1946, or his constructive reduction to practice in 1947. After having discussed the record with respect to the exercise of proper diligence, the Board held that such diligence had not been established during the critical period and appellant, being the second to reduce to practice, could not prevail in this proceeding.

As may be observed from a reading of the count, the involved invention relates to a method of making loop and tuft piled fabrics for use as carpets or rugs, the yarn pile thereof having portions raised out of the backing of the article over pile wires, pursuant to a pattern to form pile elements. It is stated that in a fabric made by the involved method the pile elements are in transverse rows and those in alternate rows are loops of two different heights and the elements in the intermediate rows are made into tufts which are higher than the high loops. The involved method may be practiced with a Wilton loom by the use of a combination of pile wires and an appropriate set of Jacquard pattern cards. While it is stated in the brief of counsel for appellant that the fabric itself is old and well known in the art, it appears in a memorandum made by appellant, which is an exhibit here, that the product made by the process was considered by him to be a new fabric.

In the month of April 1939, appellant made a design drawing for Jacquard cards which were cut in July of that year in accordance with the design.

That drawing is an exhibit, as is also another drawing which bears the caption "Suggestion for Special Weave." Appellant's corroborating witness testified that he thought he saw the second mentioned exhibit sometime in 1940. Appellant, at the time of taking testimony, was employed by the Magee Carpet Company as a stylist. He had many years' experience in the art of carpet designing and was familiar with many of the looms upon which carpets are made. The witness for appellant, at the time of taking testimony, was a superintendent of the "Wilton Department" of the same company. Unquestionably, he was highly skilled in the art of Wilton carpet making. He stated that he understood that a cutting wire and a "knob" wire were to be used in weaving the article made in accordance with the drawings. It was upon the testimony of appellant and his corroborating witness that the Board held conception of the invention by appellant of the process defined in the count to have occurred in 1940.

With respect to the first drawing, the corroborating witness stated that it had given him some trouble. In his own words he stated that he "had quite a few headaches with it." A "knob" wire has on one end a protuberance. When such wires are withdrawn from the loop pile, the pile is raised by the knob. The cutting wire is a similar wire which instead of having a knob on the end thereof has a blade in order to cut the loops to form tufts.

Prior to the application of the method defined by the count it appears that the corroborating witness had not used similar wires in the manufacture of carpets in his place of employment and while he stated that he could not answer a question as to whether or not he had any trouble with the knob wires breaking the loops on withdrawal for the reason that that first use was a long time in the past, he stated that "I would say we did." He further stated that he had the same trouble subsequent to that date.

In accordance with the exhibit drawings, a piece of carpet about one square foot was woven but not finished. It appears from examination to possess loops of three different heights and appellant, in his testimony, stated that if there were three different heights in that exhibit it was due to imperfections which arose from the fact that it was the first attempt to make such a carpet and appellant was not familiar with the difficulties that might be met in so doing. Appellant testified that the exhibit would be suitable for commercial use if the faults in the carpet were corrected. It also appears that in that exhibit there are holes or blank spots in the pile. That condition was stated by appellant's corroborating witness to have been caused by a miscutting of the card. He also testified that a carpet having such gaps in a pile could not be sold commercially.

Appellant testified that the aforesaid piece of carpet had never been finished and had not been subjected to any tests.

It appears that when appellant outlines a style or design plan for a carpet he talks it over with the aforesaid superintendent who in turn works out the ideas of appellant on the looms. No records are made of the styles. When the article is taken from the loom, if appellant is satisfied with it he takes it with him to New York and if it is adopted in the New York office it is then manufactured.

It does not appear that the unfinished piece of carpet heretofore referred to was carried to New York and manufacture begun at that time. Nothing was done with the method employed in making the foot square carpet until about the middle of 1946 when a piece of carpet was made in accordance with the method defined by the count and which is admitted by counsel for appellee to be a reduction to practice.

In explanation of the lapse of six years ending in 1946, it was stated on behalf of appellant that "The war came on while we were working with this." The tag attached to the foot square piece of carpet bears the date of September 4, 1941. Therefore, more than 15 months elapsed between the weaving of the foot square carpet and the start of the war. All during the war period appellant's assignee continued to produce carpets and was never entirely out of pile fabric production.

It is clear to us that at any time between 1940 and 1946 appellant could easily have made another sample of the carpeting and have learned how to use the wires employed in the method without "having headaches" or tearing the loops. We can perceive no reason why appellant could not have gone ahead with the filing of a patent application, particularly in view of the fact that he stated in his testimony that on "every particular fabric we make we consider applying for a patent." In our opinion, his failure to do anything at all with the method or to file an application during the six year interval indicates that appellant was not satisfied and had laid the work aside as an abandoned experiment. We do not see how any other construction can be placed upon the evidence before us.

We agree with the statement of the Board that, under the established standards with respect to corroborating evidence, it could well be held that the parties should be restricted to their respective filing dates. In our opinion the Board could have definitely made such holding. We further agree that if appellant can be considered to have reduced the invention to practice in the middle of 1946, appellee, by the same standards, would be entitled to his actual reduction to practice prior to that date. In either event, priority of invention of the subject matter would be awarded to appellee.

We do not deem it necessary to discuss any other issues herein in view of what has already been stated. The decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE PETERSON

No. 5782. Decided May 8, 1951

[— F.2d —; 89 USPQ 605]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—ELECTRICAL CONDENSER.

Certain claims to an electrical condenser *Held* to constitute an obvious combination of features appearing in the prior art and, thus, properly rejected as devoid of invention.

APPEAL from Patent Office. Serial No. 497,631.

AFFIRMED.

Nielsen and Hume (*Joseph N. Nielsen* of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, J.:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner finally rejecting claims 9, 11, 21 to 24, inclusive, 26, and 27 of an application for a patent, Serial No. 497,631, filed August 6, 1943, for new and useful improvements in an "Electrical Condenser." No claims were allowed.

The claims were held to be unpatentable over prior art as follows: Pickard, 1,479,310, January 1, 1924; Kopinski, 1,952,925, March 27, 1934; Bosch (British), 437,429, October 29, 1935; Philips (Australian), 22,223/35, April 14, 1936; Bosch (A) (British), 453,939, September 21, 1936; Fabriek (British), 495,607, November 16, 1938; Van Hoffen, 2,165,738, July 11, 1939; Scheer, 2,295,759, September 15, 1942; Davie et al., 2,321,587, July 15, 1943.

It is not contended that any one of the involved claims is patentable over any other. Therefore, they stand or fall together.

Claim 9 is illustrative of the subject matter and reads as follows:

> 9. An electrostatic condenser comprising a plurality of tapes, each tape having a semi-conducting surface coextensive with its length that extends from one edge to a point of termination short of the other edge, the opposite surface of each tape being essentially non-conductive; said tapes being disposed relative to each other to present their semi-conducting surfaces against the non-conductive surfaces of the adjacent tape, respectively, so that the semi-conductive edges of alternate tapes fall upon one side of the condenser, while the semi-conductive edges of intermediate tapes fall upon the other side of the latter, the said tapes being wound together in the specified relationship to provide a coil, and a coating on each side of the coil of a semi-conducting substance to connect electrically the semi-conducting edges respectively of the same tape.

As may be observed from the quoted claim, the alleged invention relates to electrostatic condensers which comprise sheet dielectric positioned between condenser electrodes. The application discloses condensers of the stack or roll type, the latter of which was elected for prosecution.

The condensers here involved are made in the conventional manner by rolling a pair of dielectric tapes alternately placed with tapes of conductive material for the purpose of obtaining sufficient electrode area so that a condenser of desired electrical capacity would be produced. Appellant's idea, as shown in his original specification, was the production of a simplified and economical type of condenser. His intention was to make a condenser possessing the largest possible electrical capacity that could be contained within a given structural volume and in order to accomplish that result he used the thinnest possible dielectric and conductive material placed very tightly together. The condenser was to be constructed by applying conductive material in the form of a semi-conducting film to the face of the dielectric material. The specification indicates that undesirable power losses may occur due to the specific resistance of such films. In order to avoid such losses, appellant applied the same film or coating to the end of the roll after which a plate was affixed thereto thus obtaining a connection to the entire edge of the condenser roll. In that type of structure it is said that the charging current for the innermost areas of the plate would not pass seriatim through other portions of the plate because no point on the condenser plate or tape would be further than the width of the strip from the point of junction with the connector.

Examples were given in the specification of conductive films such as carbon, pulverulent graphite, and aluminum powder dispersed in resin such as polysterene or polyethylene, varnish, rubber, and rubberlike compounds. The carbon is called semi-conductive material.

The Pickard patent is for an electrical condenser and process for making it. A stack of mica elements are disclosed having thin coatings on the opposite sides to form the electrodes. It is said that the coatings may be applied by the spraying of molten metal, by chemical deposition of an electrolytic solution, or in the form of a paint made up of a powder in a varnished vehicle. In this connection it is stated that the coating may be made "By forming metal deposits from finely divided metal suspended in a suitable medium such as varnish on the dielectric by spraying, painting, or otherwise treating the dielectric."

The deposits of the patent are spaced from one edge of the dielectric and around the opposite edge. The coated electrodes along their entire edges, after having been stacked up, are sprayed with metal coating.

The Kopinski reference relates to a non-inductive condenser and a method of making it. The structure is made by the rolling up of paper and foil strips. The patentee stated that in such a structure it is necessary to employ extra large condensers for high frequencies by reason of inherent resistance effects. It is said the patentee learned that such condition was due to the inductance effect of the wound foils which was overcome by the flowing of solder over the whole edge of the foil thereby securing a plurality of inductive paths over the terminal into each foil. In the specification the following, with figure numbers deleted, appears:

> To the ends of the foil of this condenser is applied solder * * * by means of a soldering iron * * * which is preferably electrically heated so as to better control its heat, which must be maintained between 355° F., and 365° F., and preferably at 360° F. The solder * * * has a composition of approximately 63% tin and 37% lead. When thus applied by an iron which is somewhat hotter than the melting point of the solder but which is lower than the melting point of the tin, the solder will melt and will flow into the interstices between the protruding ends of the strips of tin, as shown in Fig. 3, thereby making good electrical contact therewith.

The terminals are then soldered to the ends.

The Bosch patent, 437,429, has to do with improvements relating to electrical condensers which are disclosed as comprising paper strips on one side of which a coating of powdered metal is painted or sprayed. One edge of the strip is folded over in such fashion that when two strips are rolled together so as to form the structure the turns contact each other forming plural paths into the electrode to reduce resistance of the winding. A terminal connection to the whole edge of the foil is made by means of a coating applied to each end of the condenser.

The Bosch patent, 453,939, relates to the same general subject matter as the earlier Bosch patent in that it shows a similar cordenser in which the paper strips have coatings of a very high specific resistance applied to them so that if the terminals are made of inserted strips a large number would have to be employed. In order to avoid such employment, each coating is exposed at one end of the structure and coated for terminal connection along the whole edge in order to provide large current paths.

It is not necessary to discuss the Philips reference for the reason that it was applied in the rejection of claim 25 which was withdrawn in the appeal before the Board.

The Fabriek reference relates to electrical condensers in which the electrodes are made of an artificial resin in which finely divided graphite or other conductive material is incorporated.

The Van Hoffen patent relates to an electrical conducting element in which conducting rubber is used as a condenser electrode in proportion of 30% rubber to 70% carbon. Graphite or metallic powder such as aluminum may be used instead of carbon as a conducting material.

The Scheer patent is for a "Capacitor." Such a device is apparently the same as an electrical condenser. It is stated in the patent that it is not desirable to spray dielectric sheets with metal for the reason that such a coating has a high resistance and is responsible for great current losses. Therefore, the patentee subjects his coatings to a heat treatment in order to reduce resistance.

The Davie et al. patent is for electrical conductive coatings, particularly those which have considerable resistance to surfaces in order to reduce the resistance thereof. The coating of the patent contains finely divided particles of electrically conductive materials such as flake metal particles in a suitable bonding medium and may be applied by spraying or the like. It is said that the coatings may be of the order of megohms (1,000,000 ohms). The resistance is said to be reduced by the patentee's method to as little as one ohm, or even less. The coatings may be applied to dielectrics which are stacked to form a plate condenser.

The Primary Examiner, in his letter finally rejecting the involved claims, stated that the basic concept of appellant's original disclosure appeared to reside in the use of connections to the longest edge of condenser electrodes so that current paths to the electrodes would be shortened and permit the use of electrodes of less conductivity. He stated that semi-conducting electrodes are usable because of the connections and are the result of a basic concept. He then declared that appellant, despite his original disclosure, was attempting to place main emphasis on "semi-conducting," which, the Examiner stated, is a purely relative term without definite meaning. In his opinion appellant completely ignored well known prior art condensers wherein each of the foils projects at an edge of the condenser to secure short current paths to each foil and metal coated dielectric condensers, in which the coatings, extending to the edge of the dielectric, are connected to the common terminal for shortened currents.

The Examiner noted that in the original disclosure the resistance or semi-conducting characteristic is merely incidental and is evidenced by the values of 100 ohms to several megohms, a range of 1 to 20,000. He pointed out the places in the specification where equivalency of conductors and semi-conductors are indicated, whether applied by electrochemistry or coated by means of a liquid coating which carries various conducting particles.

According to the Examiner, the original disclosure of the conducting is an accurate description thereof. In his statement, the Examiner required amendments tendered by appellant to be canceled as constituting new, inaccurate, and misleading matter. Graphite, carbon, and aluminum were described in the requested amendments as being semi-conductive materials, whereas in the specification they are treated as equivalent conducting materials.

In answer to the argument of counsel for appellant wherein it was urged that a negative temperature coefficient resistance was characteristic of semi-conducting films, apparently due to the negative characteristics of the carbon and/or the insulated medium, the Examiner said that no support for such matter appeared in the original disclosure and that its addition to it would constitute new matter. In holding that a result not originally disclosed or claimed cannot be used as a basis for patentability, he cited the case of *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.2d 449, 43 USPQ 267, 512 O. G. 3. The Examiner repeated that the involved application as originally presented was directed to the securing of short current conducting paths by using a connecting coating contacting the whole edge of the condenser electrode. That, he stated, is shown in both of the Bosch references as well as in the Kopinski and Pickard patents. He held the limitation "semi-conducting" to be a relative term possessing no patentable significance.

Claims 9 and 11 were rejected as being fully met by either of the Bosch patents and further rejected on those patents in view of the Scheer or Davie et al. patents.

Claims 21 to 24, inclusive, were rejected on the

same references, the patent to Pickard being employed as an alternative to either of the Bosch patents.

Claims 26 and 27 depend on claim 22 and add thereto that the semi-conducting electrode set out in claim 22 is composed of resinous material containing pulverulent semi-conducting particles of carbon, and claim 27 defines an elastomer containing pulverulent conducting particles of carbon. With respect to those claims it was pointed out that the Fabriek reference discloses a resin containing powdered graphite as a condenser electrode and the patent to Van Hoffen discloses pulverulent carbon and rubber as such an electrode.

It is trite to state that it is within the jurisdiction of the Board of Appeals to apply grounds of rejection not relied upon by the Examiner. Therefore, the intimation contained in the brief for appellant that such new ground had been applied need not be considered.

As we read the decision of the Board, we are of opinion that no new ground of rejection was applied by it. Since it is stated that the invention defined by the involved claims is a condenser combination of semi-conducting electrodes and intimate side edge-contacting conductor, it was held by the Board that it was obvious to use those two elements together. It is clear from the record that both of the Bosch patents and the patent to Pickard disclose an intimate side edge-contacting conductor and the Examiner held in his supplemental statement that the metal coatings on the devices of those patents are semi-conductors.

It appears to us to be obvious to substitute the metal coatings of those three patents with the rubber or resin loaded with graphite coating of the Fabriek reference or that of the Van Hoffen reference, which is rubber in which carbon is dispersed.

We are of opinion that an obvious combination of features appearing in the prior art negatives the exercise of the inventive faculty here. It is clear to us that if the resinous material of appellant containing carbon or other conductive particles constitutes a semi-conductor, the resinous material of the prior art which contains carbon particles is likewise a semi-conductor.

In view of what we have herein set out, we do not deem it necessary to discuss other contentions made by counsel for appellant.

The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE RIGGS

No. 5761. Decided May 8, 1951

[— F.2d —; 89 USPQ 588]

1. PATENTABILITY—INVENTION—PRIOR ART MUST SUGGEST EFFECT OF MODIFICATION IF IT IS TO BE HELD NON-INVENTIVE.

Where the suggested modification of the reference device produces marked changes in its mode of operation, *Held* that some basis for predicting such change must be found in the prior art if the modification is to called non-inventive.

2. SAME—PARTICULAR SUBJECT MATTER—TIRE RIM ASSEMBLY.

Certain claims to a tire rim assembly *Held* to constitute invention as involving a new coaction of elements individually old in the prior art.

APPEAL from Patent Office. Serial No. 504,021.

REVERSED.

R. H. Waters (*Edmund H. Parry, Jr.*, and *William L. Scherer* of counsel) for appellant.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting all of the claims, numbered respectively 8, 9, and 10, of appellant's application, Serial No. 504,021 on a bevel seat rim for tires.

Claim 8 was selected by the Board as illustrative. It reads:

8. A rim assembly comprising a rim having an endless, generally cylindrical base portion at one end of which is formed an integral gutter with a seat portion of increasingly greater diameter than the base portion extending in a direction away from that end of the base portion opposite the gutter and terminating in an integrally formed flange; a split locking ring having a portion thereon for interlocking engagement with the gutter on the rim and a beveled seat portion corresponding generally to that of the rim but extending in a direction opposite thereto; and an endless ring interfitting with and supported by the locking ring.

The application discloses a multipart rim assembly for mounting pneumatic tires on vehicles, particularly the larger sizes of tires employed for buses, trucks, tractors, etc. Such heavy tires have stiff and inextensible beads making it impossible to force them over the side flange of a rim as is done with ordinary automobile tires and thus necessitating some type of removable side flange so that the tires may be demountable. The claimed device comprises a separable rim consisting of three parts: an endless base portion, a split locking ring, and an endless tire retaining ring (flange). The endless base portion is generally cylindrical in shape and has an integral tire retaining flange at one edge. Adjacent this edge and flange the base portion is beveled so that its diameter is largest where the base meets the flange. At the other edge of the base portion is a gutter, shaped to receive and retain the split locking ring in interlocking engagement. The locking ring has a beveled seat portion and an abutment adapted to engage and support the endless tire retaining ring. As the tire is inflated the beads are forced laterally towards the flanges and into wedging engagement with the beveled bead seats. This positive engagement prevents relative motion between rim and tire and allows direct transmittal of load from the tire to the rim through the beveled seats.

The following patents were cited as prior art: Klaus, 1,493,040, May 6, 1924; Klaus et al., 1,499,739, July 1, 1924; Brink, 2,367,823, January 23, 1945; Kronprinz (French), 834,215, August 8, 1938.

The Klaus patent shows a three-piece rim of the same general type as applicant's but without any beveled bead seats and with the removable bead seat being formed on the removable flange rather than on the split locking ring.

The patents to Klaus et al. and to Brink each disclose a two-piece rim assembly. In the assembly of Klaus et al. the removable flange is split, carries a bead seat, and interlocks with a retaining gutter of appellant's type. Neither bead seat is beveled. The removable flange of Brink is an endless ring, carries a beveled bead seat, and is secured to the rim base by bolting. Both of Brink's bead seats are beveled.

The French patent to Kronprinz, the basic reference, relates to a three-piece rim assembly including one integral flange with a beveled bead seat adjacent thereto and one removable flange in the form of an endless ring. The rim base is conically flared at the removable flange end and a wedging ring member formed in two halves fits thereover forming a flat bead seat. The inner surface of the removable flange is also beveled to fit in wedging engagement with the outer conical edge of the ring member. Thus when the tire is inflated, lateral pressure forces the removable flange onto the seat forming ring member which in turn is forced into wedging engagement with the flared portion of the rim base.

The claims were rejected as being unpatentable over the patent to Kronprinz in view of either the Klaus or Klaus et al. patents and the Brink patent. It was the Board's opinion that no invention would be involved in replacing the Kronprinz wedging arrangement with the gutter construction disclosed in the Klaus or Klaus et al. patents nor in providing a beveled seat portion on the Kronprinz assembly in view of the Brink patent.

It is conceded that were one to reconstruct the Kronprinz assembly along the lines suggested by the Board a perfect anticipating structure would result. Appellant contends, however, that in view of the prior art the reconstruction was unwarranted and could not have been made without the exercise of invention.

The Kronprinz assembly lacks the gutter locking means and the beveled removable locking ring of applicant's device. It was the Board's position that the wedging interlocking construction of the Kronprinz assembly could be replaced with the gutter construction disclosed in the Klaus or Klaus et al. patents without the exercise of invention. The Solicitor points out that such a change would require no more than a minor reshaping of two elements of Kronprinz's structure. We find ourselves in agreement with the Board on this point.

It was the Board's further contention that it would not require inventive ability to provide the locking ring with a beveled seat portion in view of the patent to Brink which discloses a beveled seat portion on a removable rim.

It is apparent that Kronprinz was aware of the use of beveled bead seats since the seat on his rim base was of that type. For some reason he deliberately chose to make the removable bead seat on his split locking ring flat. An insight into his reason for so doing might be gained from a passage in his specification which states:

When the tire is further inflated, *the heel of the envelope strongly pushes back the flange-forming ring* on the two halves of the wedge-forming ring and clamps these against the body of the wheel. The forces originating in the tire are then transmitted directly from the tire, *through the agency of the flange-forming ring* and of the wedge-forming ring, onto the undulated lateral disks of the wheel and to the ball bearings, by the most direct route. [Italics ours.]

Hence it appears that Kronprinz needed strong lateral pressure on his removable flange in order to have his device accomplish the described transmittal of pressure. Appellant argues that had the removable bead seat been beveled, vertical transmission of pressure would result, contrary to Kronprinz's desire, and at least a sizeable portion of the lateral thrust on the flange-forming ring would be removed. This contention seems reasonable and is illustrated in appellant's Exhibit C which graphically depicts the forces acting upon a tire and rim.

The Solicitor did not contest appellant's explanation of the effect of beveling on the direction of force transmittal, but offered his own reasons for Kronprinz's action. It was the Solicitor's contention that Kronprinz chose not to bevel his removable bead seat "on the assumption that wedging action on one side of the rim would be sufficient to prevent relative movement of the tire and rim." If, as the Solicitor's position implies, beveling of the second bead seat would not have interfered with the coaction of the members in Kronprinz's assembly, it seems strange that Kronprinz would not have beveled both seats since so doing would have doubled the adhesion between tire and rim and would not have added at all to the cost or difficulty of production of the device. Clearly the wedging ring member could have as easily been manufactured beveled as flat. The Solicitor's explanation appears particularly strained in view of the patent to Brink which not only shows the desirability of beveled bead seats but explains why they were not used sooner. The specification states:

Another feature of the construction of the invention made possible by the provision of flange 20 on the rim side ring is that inwardly directed, tapered bead seats 25 and 26 can be formed on the rim base 11 and rim side ring 14 respectively. These bead seats enable the rim 10 to grip a tire mounted thereon at the beads thereof. In previous types of divided rim or wheel constructions the use of tapered bead seats has not been possible because the rim side ring was seated on the extreme edge of a rim base and the rim base carried both beads of the tire. Hence the use of tapered bead seats was impossible because the tire had to be telescoped over one bead seat of the rim base in order to position same thereon.

Since Kronprinz's structure was eminently adapted to the use of two beveled bead seats it is highly improbable that he chose to use only one because he thought one would be sufficient.

[1] Thus the mere beveling of the bead seat on the split locking ring produces marked changes in the mode of operation of the Kronprinz device and some basis for predicting such change should be found in the prior art if it is to be called non-inventive.

The only patent of record, utilizing beveled bead seats, other than that to Kronprinz, is the one to

Brink. That assembly, however, employs an endless removable bead seat which structure precludes vertical pressure transmittal therethrough. The patents to Klaus and Klaus et al., while showing split ring bead seats, through which vertical pressure might be transmitted, fail to show any beveling. The prior art, therefore, fails completely to show vertical pressure transmittal through a split bead seat ring or the desirability of such an expedient, and the patent to Kronprinz shows a definite desire to utilize lateral rather than vertical pressure transmittal. While it may well be that an ordinary mechanic might have physically constructed the claimed device from prior art elements, it does not appear that there is any teaching in the prior art which might have led him so to do. The beveling of appellant's split locking ring bead seat, interlocked through a gutter construction, causes the load to be transmitted vertically through the split locking ring, whereas all of the prior art teaches the use of lateral pressure transmittal where locking rings are used.

[2] In view of the foregoing, we are of opinion that the proposed reconstruction of the Kronprinz device involves a new coaction of the elements to produce an unobvious result which is beyond the skill of the average artisan.

It is well settled that the assembly of features individually old in various prior art references involves a new and patentable combination where a new coaction of elements or an unobvious result is obtained. *In re Champeau*, 17 CCPA (Patents) 568, 34 F.2d 1012, 3 USPQ 53, 388 O. G. 783; *In re Huntzicker*, 24 CCPA (Patents) 1325, 90 F.2d 366, 34 USPQ 14, 485 O. G. 753.

For the reasons stated, we are of opinion that the Board of Appeals erred in rejecting the appealed claims. Its decision is, therefore, reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE COLEMAN ET AL.

No. 5804. Decided June 5, 1951

(189 F.2d 976; 90 USPQ 100)

1. DOUBLE PATENTING—COMBINATION AND SUBCOMBINATION—DIFFERENT INVENTIVE CONCEPTS NECESSARY FOR ALLOWANCE OF SEPARATE PATENTS.

It is settled law that a party may be entitled to a patent for a combination because of the cooperation of the elements contained therein, and at the same time be entitled to a separate patent for one of the elements of the combination, where two different inventive concepts are involved.

2. SAME—SAME—CRITERIA OF DISTINCTNESS.

If the claims are so related that the separately claimed element constitutes the essential distinguishing feature of the combination as claimed, double patenting will be found, but where the element does not constitute the sole distinguishing novelty in the combination, double patenting will not be found.

3. SAME—SAME—BROADLY RECITED ELEMENT IN COMBINATION EVIDENCE OF DISTINCTNESS.

If the combination claim does not set forth any of the details of the separately claimed element, this is cogent evidence that the combination is not made patentable solely by the inclusion of the element.

4. SAME—SAME—SEPARATE STATUS IN ART PERSUASIVE OF DISTINCTNESS.

If the claimed element has acquired a distinct status in the art and is adapted for use generally in other combinations, it ordinarily would be regarded as distinct and would support a patent separate from that containing the combination claim.

5. SAME—SAME—WHETHER CLAIMS CAN BE PRACTICED WITHOUT MUTUAL INFRINGEMENT IS FACTOR.

A factor to be accorded probative value in the determination of distinctness is whether the claims of the patent may be practiced without infringing the subsequent application claim and whether the application claim may be practiced without infringing the claims of the patent.

6. SAME—SAME—RECORD OF PROSECUTION CONSIDERED IN DETERMINING DISTINCTNESS.

Where the record shows that limitations in the article claims, not included in the process claims, were inserted therein to avoid prior art over which the process claims were allowed, *Held* that invention must have resided in the entire process, in the combination of the broadly recited article with the method steps.

7. PATENTABILITY—PARTICULAR SUBJECT MATTER—FUNGISTATIC WRAPPER.

Certain claims to a fungistatic wrapper *Held* to involve an inventive concept different from appellants' patents to methods of wrapping and, therefore, improperly rejected on the ground of double patenting.

APPEAL from Patent Office. Serial No. 721,880.

REVERSED.

Clarence B. Zewadski (*George A. Degnan* of counsel) for appellants.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals affirming the action of the Primary Examiner in finally rejecting claims 1, 4, and 5 of appellants' application, Serial No. 721,880, for a patent on a fungistatic wrapper.

Appellants discovered that by bringing dehydroacetic acid into close association with various foods an increased resistance to microorganisms could be imparted to the foods and the growth of such organisms thus prevented or retarded.

On January 13, 1947, appellants filed three separate applications for Letters Patent. Two of these applications, Serial Nos. 721,877 and 721,878, contained claims directed to methods of protecting the specified foods, and among the methods disclosed and claimed was the method of enclosing the food in a wrapper containing dehydroacetic acid. These two applications were classified in Class 99 (Foods and Beverages) and were examined in Division 63 of the Patent Office. These applications were allowed on October 7, 1948, and issued as patents on June 28, 1949.

The third application, Serial No. 721,880, whence come the claims before us, was directed to a cellulosic wrapper carrying dehydroacetic acid and was classified in Class 117 (Coating: Processes and Miscellaneous Products) and examined in Division 38 of the Patent Office.

All of the appealed claims were rejected by the Examiner as unpatentable over prior art and also as unpatentable over certain claims in appellants' foregoing two patents. The rejection on prior art was reversed by the Board while the rejection on appellants' own claims was affirmed. This latter rejection is the sole issue before us and appellants' patents are the only art now used in rejection of the claims. Since these patents were copending with the appealed application they do not constitute technical prior art references but are to be looked to only for what they claim. *In re Mason*, 20 CCPA (Patents) 782, 62 F.2d 185, 16 USPQ 71, 428 O. G. 770; *In re Thompson*, 20 CCPA (Patents) 725, 62 F.2d 90, 15 USPQ 304, 427 O. G. 779.

Claim 8 of each patent is substantially the same in terminology except that each is directed to the treatment of a different type of food. Since the Board adopted appealed claim 1 and claim 8 of Patent No. 2,474,228 as illustrative of the problem before it, those two claims are reproduced side by side for direct comparison:

Appealed Claim 1	Claim 8 of Pat. 2,474,228
	The method of imparting to foods rich in at least one of the class consisting of proteins and fats an increased resistance to attack by microorganisms, which comprises
A cellulosic wrapping sheet	enclosing the food in a wrapper
carrying an effective fungistatic amount, at least 0.3 per cent of the weight of the article, of dehydroacetic acid integral therewith.	containing an effective amount of dehydroacetic acid.

For reasons presently to appear we also list the references cited by the Examiner in his rejection of the appealed claims: Martin, 2,127,879, August 23, 1938; Dow Chemical Co. Technical Bulletin No. 45, July 15, 1941; Colman, W., Journal Textile Institute, p. A115, March 1944; Coleman et al., 2,474,228, June 28, 1949.

The method claims in the patents were allowed without the limitations in the appealed wrapper claims to "cellulosic" wrappers containing a specified amount of dehydroacetic acid. The wrapper claims as originally filed called merely for an "effective fungistatic amount" of dehydroacetic acid, the same language as used in the patent claims. The Examiner objected to such expression as rendering the claims functional and indefinite and the appellant responded by amending the claims to limit them to the specific amounts shown in claim 1.

The application before us originally contained claims to two species of wrappers designated by the Examiner as "regenerated cellulose base," and "paper base." The application also contained claims generic to the two types. The generic expressions "wrapping sheet" and "fiber," which appellants had used, were held to be too broad by the Examiner on the ground that some of the materials included might be attacked or adversely affected by the fungicide, which, he stated, contained a free acid group. Appellant controverted this, showing that dehydroacetic acid has no free acid group and the Examiner impliedly withdrew the rejection by failing to repeat it. All of the claims, however, were repeatedly rejected on the art and it was in an attempt to limit the generic claim so as to avoid the references that appellant inserted the limitation "cellulosic wrapping." The patent to Martin was the reference upon which most reliance was placed (the journal article seems cumulative) and that reference disclosed the impregnation of wool cloth with dehydroacetic acid to control moths and other insects. The Board agreed with appellant that the record in the case did not justify a holding of unpatentability over the prior art and on this point the Examiner was reversed.

The Examiner who had been in charge of the applications which resulted in appellants' two patents orally advised appellants that he had considered the Martin patent but deemed it nonpertinent to the claims before him. Appellants cited the Martin patent in those two companion cases to insure that it would be of record therein.

The Board considered that "whether the invention be defined as the act of wrapping or the employment of a wrapper, the invention is the same" and held the appealed claims to be unpatentable over claim 8 of each of appellants' patents. The doctrine relied upon was that of double patenting which precludes issuance of a second patent on the invention covered by issued claims. *In re Thompson*, supra. As is usual in such cases, the issue reduces itself to a determination of whether or not the appealed claims and those in the patents are directed to one and the same invention.

It is rudimentary that an inventor may not sustain a subsequent patent for an invention actually claimed and secured in a former patent, *Miller* v. *Eagle Manufacturing Co.*, 151 U. S. 186, 66 O. G. 845, and the duty to prevent double patenting rests primarily with the Patent Office and with those courts which review its decisions. *In re Muskat et al.*, 38 CCPA (Patents) —, 187 F.2d 626, 89 USPQ 142, 647 O. G. 332.

One of the most frequent double patenting situations involves claims related as combination and element of the combination, or more broadly, where the subject matter of the subsequent patent forms an element of the original invention as claimed. Such is the relationship in the case before us. Appellants' patent claims are drawn to a process of protecting food, whereas the appealed claims are directed to a wrapper, which forms a part of, or cooperates as an element in that process.

[1] It is settled law that a party might be entitled to a patent for a combination because of the cooperation of the elements contained therein, and at the same time be entitled to a separate patent for one of the elements of the combination. *In re Carlton*, 22 CCPA (Patents) 1223, 77 F.2d 363, 25 USPQ 390, 460 O. G. 50; *In re Ferenci*, 23 CCPA (Patents) 1023, 83 F.2d 279, 29 USPQ 162, 468 O. G. 747. In such a case, the question to be determined is whether two or more different inventive concepts are involved. *In re Hadsel*, 36 CCPA (Patents) 1075, 173 F.2d 1010, 81 USPQ 376, 624 O. G. 964. [2] If the claims are so related that the separately claimed element constitutes the essential distinguishing feature of the combination as claimed, different concepts are not involved, the inventions

are not distinct, and double patenting will be found. *Palmer Pneumatic Tire Co.* v. *Lozier*, 90 Fed. 732; *In re Hawkins*, 19 CCPA (Patents) 1104, 57 F.2d 367, 13 USPQ 36, 421 O. G. 551. Conversely, where the element does not constitute the sole distinguishing novelty in the combination the inventions are distinct and double patenting will not be found. *In re Creveling*, 46 App. D. C. 536, 247 O. G. 747; *In re Ferenci*, supra.

[3] If the combination claim does not set forth any of the details of the separately claimed element, this is cogent evidence that the combination is not made patentable solely by the inclusion of the element. *In re Creveling*, supra. [4] Likewise if the claimed element has acquired a distinct status in the art and is adapted for use generally in other combinations, it ordinarily would be regarded as distinct and would support a patent separate from that containing the combination claim. *In re Ferenci*, supra. A further factor to be accorded probative value in the determination of distinctness is whether the claims of the patent may be practiced without infringing the subsequent application claim, if allowed, and whether the subsequent claim may be practiced without infringing the claims of the patent. *In re Davis et al.*, 29 CCPA (Patents) 723, 123 F.2d 651, 51 USPQ 458.

While the foregoing considerations are deemed valid and practical, they should not be regarded as inflexible and indispensable badges of distinctness. As was said in *Steinmetz* v. *Allen*, 192 U. S. 543, 109 O. G. 549, quoting from *Bennet* v. *Fowler*, 75 U. S. (8 Wall.) 445: "'It is difficult, perhaps impossible, to lay down any general rule by which to determine when a given invention or improvements shall be embraced in one, two, or more patents. * * * It is often a nice and perplexing question.'" Each case must be determined on its own facts in consonance with the basic requirements that the combination must be the product of invention over and above that present in the element, and it is clear that fact situations might arise wherein the foregoing criteria would be difficult of application.

A comparison of appealed claim 1 with claim 8 of appellants' patent, supra, shows that the patent method claim does not set forth the details of the separately claimed wrapper. The wrapper of the appealed claims is limited to a "cellulosic" wrapper containing "at least 0.3 per cent of the weight of the article of dehydroacetic acid." It was at the Examiner's instance that the appealed claims were limited to a wrapper more specific than that recited in the patented method claims. "Cellulosic" was inserted to avoid the Martin patent which showed wool impregnated with dehydroacetic acid. It was the Board's opinion that the so amended claim was allowable over the prior art.

[6] The patented method claims, on the other hand, did not contain such limitations but were nevertheless allowed over the Martin patent after appellants had expressly brought it to the Examiner's attention. Manifestly the Examiner could not have considered that the novelty of the method lay solely in the wrapper when the Martin patent anticipated the broadly recited wrapper. The invention must have resided in the entire process, in the combination of the broadly recited wrapper with the method steps.

While the patented claims cover methods of protecting certain specified foodstuffs by enclosing them in any kind of wrapper containing any effective amount of dehydroacetic acid, the appealed claims cover a specific wrapper capable of use in protecting any type of foodstuffs as well as a wide variety of other articles and materials. Examples of such other materials are cosmetics, cigars, soaps, etc. Thus, the patented methods of claim 8 may be practiced without using the specific wrapper of the appealed claims, and the specific wrapper of the appealed claims may be used for purposes other than those defined in claim 8 of appellants' patents. That the specific wrapper of the appealed claims has acquired a status in the art separate and distinct from the method is evidenced by the fact that the different claims were separately classified by the Patent Office and were examined in different examining divisions.

Were the appealed claims to be issued and subsisting, and were the patent claims to expire, one would not need to be a licensee to wrap bread or cheese in the wrappers of the appealed claims, though a wrapper manufacturer would still need a license to make the wrapper. On the other hand one might practice the method of the patent claims without infringing the appealed claims by merely using one of the many available wrappers other than the specific wrapper of the appealed claims. Such wrappers might be vinyl polymer film, rubber hydrochloride or any other wrapping material, even leather. It thus appears that it is possible to practice either the claims of the patents or of the application without one infringing the other.

The Board of Appeals cited the case of *Smith* v. *Kingsland*, 85 App. D. C. 284, 178 F.2d 26, 82 USPQ 353, 627 O. G. 295, for its exposition on the applicable law of double patenting. Since the application in that case had not been copending with the patented application, the patent constituted a reference for everything disclosed therein and the case is inapposite.

In *Kistler* v. *Coe*, 79 App. D. C. 36, 142 F.2d 94, 61 USPQ 102, 563 O. G. 209, also cited by the Board and cited in *Smith* v. *Kingsland*, supra, a patent was issued covering a material known as aerogel. Claims in a copending application directed to a method of thermally insulating structures by putting the aerogel into spaces between inner and outer walls, were rejected as defining no invention over the prior patent, the court pointing out that the method of insulation was old and that the only novelty lay in the specific material, the aerogel. As pointed out hereinbefore, the novelty in appellants' patented method claims goes beyond and above that of the material, the material being only broadly recited in the method claims.

The case of *In re Freeman*, 35 CCPA (Patents) 920, 166 F.2d 178, 76 USPQ 585, 610 O. G. 498, is cited for the proposition that although the appealed claims are for the product and the patent claims are for the process this, of itself, is not controlling. In that case we held only that since the product in each of the appealed claims was defined essentially in terms of the process by which it was made, the fact that the claims of the patent and the application were, technically, in different statutory classes, was not in itself enough to avoid a rejection on the ground of double patenting. The claims in the instant case are not similarly related, nor is it appellants' contention that the double patenting rejection is erroneous solely because the claims are in different statutory classes.

In re Copeman, 30 CCPA (Patents) 962, 135 F.2d 349, 57 USPQ 312, 553 O. G. 562, cited by the Board, involved an application directed to a process of coating silk stockings with a specific solution, and to silk stockings so treated. The claims were rejected on claims of the applicant's prior reissue patent which recited the same process except that in the application claims the solution was precolored. The specification of the reissue patent stated that it would be obvious that the solution must be either colorless or tinted, and we agreed that such choice was obvious, and that consequently the application claims showed no invention over those of the patent. The case of *In re Isherwood*, 46 App. D. C. 507, 245 O. G. 847, was mentioned therein as holding that even though the claims in a later filed application are more specific than the former, the claims of the latter may not be allowed since the patentee has already received all the protection to which he is entitled. The correctness of this rule we believe is beyond question, since it is obvious that were the contrary true a patentee might indefinitely maintain a monopoly of ever diminishing scope. The rule, however, is not applicable in the instant case. The difference between a claim for a process of protecting food, involving the use of a broadly recited wrapper, and a claim for a specific fungistatic wrapper, is not one of mere scope. Had appellant desired to merely diminish the scope of the patent claims, as was done in the Copeman case, he would have limited the wrapper as used in the process of protecting food, i. e., in the method claims, as did the applicant Copeman. Appellant, however, did no such thing, but presented claims to an article of manufacture which cannot be called merely narrower than the patent claims since they are neither in the same statutory class nor related as product and process of its manufacture. The language of this court in *In re Bronson et al.*, 35 CCPA (Patents) 1221, 168 F.2d 548, 78 USPQ 63, 614 O. G. 10, is apposite:

> * * * in patent law it is axiomatic if claims are to be considered as being in the same genus and species relationship, they must fall into the same statutory class, and that a genus claim must be for the same combination of elements as the species claims, and define broadly the elements or steps which are variants in the several species. A generic claim should include no material element in addition to those recited in the species claim, and must comprehend the organization covered in each of the species claims. * * *

In its decision on a renewed petition for reconsideration the Board cited *In re Kauffman*, 33 CCPA (Patents) 755, 152 F.2d 991, 68 USPQ 178, 534 O. G. 165, wherein we had cited the Copeman case, supra, and had made substantially the same holding as in that case. The Kauffman case also concerned a patent claim and an application claim drawn to combinations within the same statutory class. We held that a mere additional limitation had been added to the patent claim and that this was not indicative of inventive distinction.

The intermeshing doctrines of division and double patenting are not designed to be a mere trap for the unwary. The two questions are inextricably interwoven and the issues involved in a requirement of division cannot be disregarded where the rejection is on the ground of double patenting. If division would have been necessarily required in the first instance, then double patenting cannot be urged if the copending claims issue in separate patents. If, conversely, a rejection on the ground of double patenting is proper it is a necessary corollary that a requirement of division would have been improper.

Where an applicant simultaneously files several applications in the considered belief that division would be required were only one application to be filed, we know of no rule of law which places a duty upon such applicant to attempt to incorporate all of the claims in one case. Where an applicant follows such a procedure and files one case, the question of division usually arises early in the prosecution and a decision is made which may be appealed through normal procedures to this court. Where the opposite course is followed the question of division, as such, does not arise, and the double patenting rejection usually is not urged until such time as some of the claims appear allowable. At that time the rejection is termed double patenting, but the issues are fundamentally the same as in the question of division, so that solution of these issues has not been avoided, but merely put off until a time when the decision will carry far more serious consequences to the applicant, since it may be too late to embody all the claims in one application. Such is the situation in this case.

Since the wrapper of the appealed claims did not furnish the characteristic essential to the patentability of the patent claims; since the claimed wrapper has uses other than set forth in the patented method; since the patented method may be carried out without the claimed wrapper; and since it is possible to practice either the claims of the patents or of the application without one infringing the other, two inventive concepts clearly are involved and the appealed claims were improperly rejected on the ground of double patenting.

For the reasons hereinbefore set out the decision of the Board of Appeals is reversed.

REVERSED.

U. S. Court of Customs and Patent Appeals

IN RE RATTI

No. 5774. Decided June 5, 1951

[189 F.2d 1007; 90 USPQ 82]

1. PATENTABILITY — PARTICULAR SUBJECT MATTER — EAR BAR FOR SPECTACLE FRAMES.

Certain claims to an ear bar for spectacle frames *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from Patent Office. Serial No. 340,190.

AFFIRMED.

Irvin S. Thompson for appellant.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

WORLEY, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office which affirmed a decision of the Examiner rejecting, in view of the prior art, all of the claims, Nos. 16, 19, 20, and 23, in appellant's patent application for an alleged invention relating to spectacle and goggle frames.

Claim 16 is illustrative of the appealed claims and reads as follows:

16. An ear bar or temple for goggle and spectacle frames with an intermediate rectilinear laterally flexible region, comprising a rod of comparatively rigid non-metallic material and a metal reinforcement in said rod said reinforcement including a resilient portion in said flexible region and said rod having transverse slots leaving along said resilient portion interspaced rod sections and flexible connecting webs between said sections, said connecting webs lying in the plane with respect to which said bar is required to be flexible.

The references relied on are: Belgard et al., 1,498,227, June 17, 1924; Ratti (Italian), 325,758, April 8, 1935.

Appellant's application discloses ear bars for spectacles or goggles, composed of a comparatively rigid non-metallic material within which, in order to impart strength and flexibility, a flexible metal member is embedded. Near the hinge end, where the maximum of flexibility is desired, there is provided a plurality of transverse slots in the non-metallic material which extend across the bar from an edge of the lateral face thereon towards the other edge. Those slots, or grooves, may be of any depth, even to the extent of exposing the metal member.

The patent to Belgard et al. discloses the construction of a temple bar for spectacles made of a comparatively rigid non-metallic material which has embedded therein a flexible metal reinforcing member. In order to impart flexibility in the region adjacent the hinge end, the metal member and the non-metallic material are flattened in that area.

The Italian patent (property of appellant) discloses a flexible nose bridge portion of spectacles composed of a comparatively rigid non-metallic material reinforced with a flexible metal member, the non-metallic composition being slotted to allow flexing of the metal member.

The Examiner rejected the appealed claims for lack of invention over Belgard et al. in view of Ratti. The Board affirmed this holding.

In the course of the proceedings below, appellant moved to amend his application by the cancellation of Figures 9 and 10, which drawings are similar to the flattened metal reinforcing bar disclosed in the patent to Belgard et al. The Examiner held that since no claims had been allowed, no correction of the drawings could be made, in accordance with the usual Patent Office practice, and further, that applicant in his original application, as filed, had considered those drawings equivalent to the forms shown in his other figures.

Claim 16 contains a limitation not set forth in the other claims on appeal; namely, the provision for "interspaced rod sections and flexible connecting webs between said sections, said connecting webs lying in the plane with respect to which said bar is required to be flexible."

The Board held, and we think correctly, that no invention is involved in connecting the rod sections by transverse webs in view of Figures 9 and 10 in the involved application which disclose a modification of appellant's structure in that they show the rods unconnected by a resilient web and which modification, according to the application, is an equivalent to the drawings illustrating the temple bars with the connecting webs.

The primary purpose of appellant's alleged invention, as also disclosed by the prior art, is to impart flexibility to certain sections of spectacle and goggle frames. To accomplish this, all use a flexible metal element and means for reducing the quantity of the non-metallic material in the area in which the bar is to be bent. We feel there is no invention involved in substituting a flexible bridge portion, as disclosed in the Italian patent, for a flexible portion in a temple bar, or of slotting the non-metallic material instead of thinning it to impart flexibility, as shown by Belgard et al.

For the reasons stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

UNITED-CARR FASTENER CORPORATION

v.

THE CAPEWELL MANUFACTURING COMPANY

No. 5800. Decided June 5, 1951

[189 F.2d 1000; 90 USPQ 98]

1. TRADE-MARKS — CANCELLATION — NOT NECESSARY TO ESTABLISH ACTUAL CONFUSION.

It is not necessary that a petitioner for cancellation establish actual confusion but it has the burden of establishing that the mark registered by appellee so nearly resembles its mark that there is reasonable likelihood of confusion between the involved marks, and such likelihood of confusion will be presumed where confusingly similar marks are applied to goods possessing the same descriptive properties.

2. SAME — CONFUSION OF THE PUBLIC — IMPRESSION OF SIMILARITY NECESSARY.

Since an examination of the marks does not give any impression of similarity between them, the decision of the Commissioner of Patents denying the appellant's petition for cancellation is affirmed.

APPEAL from Patent Office. Cancellation No. 5116.

AFFIRMED.

Charles F. Miller, Jr. (*Edmund H. Parry, Jr.*, and *Parry, Miller & Peverill* of counsel) for appellant.

Howard J. Churchill (*Francis J. Sullivan* and *Fraser, Myers & Manley* of counsel) for appellee.

JOHNSON, *J.*:

This is an appeal from the decision of the Commissioner of Patents, speaking through the Assistant Commissioner, 83 USPQ 471, reversing the decision of the Examiner of Trade-Mark Interferences which had sustained appellant's petition to cancel the registration of appellee's mark as applied to nails.

Appellee's mark is described by the Examiner as "composed of a black disc surrounded by a circular line spaced from the disc a distance approximately twice the thickness of the circular line, and from which two groups of horizontal lines extend tangentially in opposite directions from the upper and lower parts of the circular line." The Commissioner agreed with the Examiner's description of appellee's mark and stated further that the "two groups of horizontal lines, extending tangentially, differ in length, and apparently are intended to give an impression of movement or speed." We agree with the above descriptions.

The petition to cancel was sustained by the Examiner on the ground that the mark is confusingly similar to appellant's marks which are composed of a representation of a dot symbol, the word "DOT" and the phrase "THE DOT LINE OF FASTENERS," as applied to various types of fasteners, and attaching means.

The petition for cancellation alleges appellant's ownership of its aforementioned marks and their prior use as trade-marks on its various types of fasteners and attaching devices; that appellee's goods are of the same class and the same descriptive properties as appellant's goods; and that there is such resemblance between the marks of the parties hereto as to give rise to the likelihood of confusion.

The record before us establishes the ownership and prior use of appellant's marks as alleged in the petition to cancel.

Appellant's goods include various types of fasteners, rachet nails, nail studs, and drive screws, used ordinarily in connection with or as parts of fasteners, but sold separately at times.

The evidence establishes that appellant has used its marks upon its goods for many years; that its goods have been widely advertised; have attained wide public recognition and that the volume of sales under its marks have been very large.

Appellee introduced no testimony and raises no issue as to appellant's rights to its marks or the prior use of them.

Appellant contends that the involved marks bear such near resemblance as to be reasonably likely to give rise to confusion in trade or deception of purchasers as to the origin of the products when applied concurrently thereto.

Appellee contends that there is no resemblance between the marks involved, especially the type of resemblance which would result in confusion.

The Commissioner held that appellee's mark must be considered in its entirety and that an examination of the involved marks does not give any impression of similarity between them; that appellee's mark is an integral design and one which differs radically from appellant's mark.

We agree with the views expressed by the Commissioner. The circular portion of appellee's mark does not appear to us to be a dot, or a figure which would be associated with a dot, even a large dot, in the mind of the observer. But we are not faced with the problem of determining the similarity of a "dot" and merely a larger "black disc." Appellee's mark consists of an integral design in which the "black disc" comprises merely one element, and it is not our opinion that the circular or disc portion of appellee's mark is the dominating feature thereof. It does not appear to be separable from the entire design nor to stand out as a separate or distinct feature thereof. In the last analysis, the similarity of marks must be determined largely on the basis of opinion, *The Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 CCPA (Patents) 1433, 49 F.2d 959, 9 USPQ 454, 413 O. G. 1105; *Auburn Rubber Corp.* v. *Hanover Rubber Co.*, 27 CCPA (Patents) 743, 107 F.2d 588, 43 USPQ 395, 514 O. G. 826, and it is our opinion that the marks here involved, when considered as a whole, bear no confusing physical resemblance to one another.

[1] It is not necessary that appellant establish actual confusion but it has the burden of establishing that the mark registered by appellee so nearly resembles its mark that there is reasonable likelihood of confusion between the involved marks, and such likelihood of confusion will be presumed where confusingly similar marks are applied to goods possessing the same descriptive properties. *Sutter Packing Co.* v. *Piggly Wiggly Corp.*, 20 CCPA (Patents) 1069, 64 F.2d 1006, 17 USPQ 459, 433 O. G. 1083; *American Cyanamid Co.* v. *Synthetic Nitrogen Products Corp.*, 19 CCPA (Patents) 1235, 58 F.2d 834, 13 USPQ 421, 423 O. G. 299.

On the record before us we do not think appellant has established that there is such similarity between the involved marks that there is any likelihood of confusion between them, therefore, it is not necessary to consider the other issues raised.

[2] For the reasons stated the decision of the Commissioner of Patents is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,821,032, J. Robinson, Wave signaling system; 1,821,033, same, Radio receiving apparatus; 1,898,895, same, Electrical apparatus employing piezo electric devices; 1,901,558, same, Wireless receiver, filed Aug. 7, 1951, D. C. Md., Doc. 5446, *British Radiostat Corp., Ltd. v. Bendix Aviation Corp.*

1,821,033. (See 1,821,032.) 1,898,895. (See 1,821,032.)

1,906,607, C. T. Jacobs, Method and apparatus for production of music; 1,912,293, 1,929,027, 1,929,028, 1,915,858, E. F. Miessner, Method and apparatus for production of music, D. C., S. D. N. Y., Doc. 56/33, *Miessner Inventions, Inc. v. Epiphone, Inc.* Judgment on consent dismissing complaint July 17, 1950.

1,908,538. (See 1,821,032.) 1,912,293. (See 1,906,607.)

1,915,858. (See 1,906,607.) 1,929,027. (See 1,906,607.)

1,929,028. (See 1,906,067.) 1,966,273. (See 2,188,942.)

2,028,759, C. F. Dinley, Treatment with solvents; 2,036,261, same, Apparatus for treatment with solvents; 2,101,840, 2,214,788, same, Degreasing apparatus, filed Aug. 23, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13402-Y, *Detrex Corp. v. Steelmasters Co., Inc.* Doc. 13403-WM, *Detrex Corp. v. Baron Industries.*

2,036,261. (See 2,028,759.) 2,101,840. (See 2,028,759.)

2,188,942, J. B. Eisen, Container closure; 1,966,273, O. I. Waring, Seal for containers and method of producing same, D. C., S. D. N. Y., Doc. 54/38, *Ferdinand Gutmann & Co. v. General Foods Corp. et al.* Stipulation and order of dismissal (notice Aug. 23, 1951).

2,195,839, Re. 22,638 (of 2,238,813), J. L. Kleinman, Razor, filed Aug. 20, 1951, D. C., S. D. N. Y., Doc. 69/81, *J. L. Kleinman v. Abercrombie & Fitch Co.*

2,212,174. (See 2,258,573.) 2,214,788. (See 2,028,759.)

2,238,813. (See 2,195,839.)

2,257,396, C. E. Parker, Cooking top; 2,257,396, same, Top structure for cookstoves; 2,257,397, same, Top burner closure structure; 2,339,802, same, Gas range cooking top; 2,298,307, same, Top structure for gaseous fuel cook stoves, filed Aug. 15, 1951, D. C., S. D. Ill. (Quincy), Doc. Q-147, *Gas Products Corp. v. George D. Roper Corp. of Illinois et al.*

2,257,396. (See 2,257,395.) 2,257,397. (See 2,257,395.)

2,258,573, A. A. Johnson, Manifolding pack; 2,212,174, C. W. Brenn, Manifolding, filed Aug. 22, 1951, D. C., W. D. N. Y. (Buffalo), Doc. 4958, *Autographic Register Co. v. Technical Charts, Inc., et al.*

2,298,307. (See 2,257,395.) 2,339,802. (See 2,257,395.)

2,417,383, J. L. Switzer, Coated fluorescent fabric; 2,417,384, R. C. Switzer, Daylight fluorescent signaling and display device; 2,450,085, J. O. Gantner, Jr., Swimming suit, filed Aug. 20, 1951, D. C., N. D. Tex. (Dallas), Doc. 4347, *Switzer Bros., Inc. v. Allied Stores Corp. et al.*

2,417,384. (See 2,417,383.) 2,450,085. (See 2,417,383.)

2,453,614, 2,512,539, J. R. Belsinger, Easy packing container, filed Aug. 21, 1951, D. C., E. D. Pa., Doc. 12,628, *Belsinger, Inc. v. American Viscose Corp.*

2,459,238, H. Negbaur, Table lighter; Des. 151,946, H. G. Treiss, same, D. C., S. D. N. Y., Doc. 52/107, *L. Batlin & Son, Inc. v. H. Negbaur & Co.* Order dismissing for lack of prosecution Dec. 15, 1950.

2,512,539. (See 2,453,614.)

2,512,694, Stout & Terrill, Jr., Automatic drain valve; 2,516,711, D. C. Mansur, Field sprinkling apparatus, D. C. Oreg. (Portland), Doc. 5794, *Stout Irrigation, Inc., et al. v. Irrigation Equipment Co., Inc.* Consent judgment favor plaintiff July 27, 1951.

2,516,711. (See 2,512,694.)

Re. 22,638. (See 2,195,839.)

Des. 151,732, Des. 151,733, W. G. Bley, Lady's stocking; T. M. 525,077, Sanson Hosiery Mills, Inc., Hosiery, filed June 20, 1951, D. C., S. D. N. Y., Doc. 67/268, *Sanson Hosiery Mills, Inc., et al. v. Hearn Dept. Stores, Inc.*

Des. 151,733. (See Des. 151,732.)

Des. 151,946. (See 2,459,238.)

Des. 158,267, Des. 158,268, O. W. Grummt, Woman's stocking, filed Aug. 3, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12572, *Carroll Hosiery Corp. et al. v. Lexington Hosiery Co., Inc.*

Des. 158,268. (See Des. 158,267.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 235,812, The Brand Hill Co., Inc., Children's frocks; T. M. 512,106, Celeste Frocks, Inc., Children's sun dresses, pinafores, blouses, etc., filed July 24, 1951, D. C. Md. (Baltimore), Doc. 5422, *Celeste Frocks, Inc. v. Celeste Mfg. Co.*

T. M. 512,106. (See T. M. 235,812.)

T. M. 525,077. (See Des. 151,732.)

NOTICES

Proposed Changes in the Trade-Mark Rules

Notice is hereby given that the United States Patent Office proposes to amend certain rules and regulations relating to proceedings before it in trade-mark cases.

The amendments are proposed to be issued pursuant to the authority contained in the trade-mark law, Secs. 1, 41, act of July 5, 1946, 60 Stat. 427; 15 U. S. C. 1051, 1123, and other authority.

All persons who desire to submit written data, views, arguments or suggestions, for consideration in connection with the proposed amendments, are invited to forward the same to the Commissioner of Patents, Washington 25, D. C., on or before October 15, 1951. An oral hearing is not scheduled.

The text of the proposed amendments follows.

1. Trade-Mark Rule 4.8 is proposed to be amended by inserting "or other party" after "applicant" in the second sentence so that said rule will read as follows:

When an attorney or other recognised person shall have filed his power of attorney or authorization, duly executed, the correspondence will be held with him. Double correspondence with an applicant or other party and his attorney, or with two attorneys, will not be undertaken. If more than one attorney be appointed, correspondence will be held with the one last appointed unless otherwise requested.

2. Trade-Mark Rule 7.3 is proposed to be amended by adding the following paragraph:

If more than one item of goods is specified in the application, the dates of use required in paragraphs (*g*) and (*h*) may be only of one of the items specified, provided the particular item to which the dates apply is designated.

3. Trade-Mark Rule 14.1 is proposed to be amended by changing "Federal Alcohol Administration" in the last paragraph to "Alcohol Tax Unit, Bureau of Internal Revenue," so that the last paragraph will read as follows:

Labels for wines (Class 47) and for distilled alcoholic liquors (Class 49) must be approved by the Alcohol Tax Unit, Bureau of Internal Revenue.

4. Trade-Mark Rule 19.4 is proposed to be amended by adding the following sentences at the end thereof:

Oral hearings will be held only at the request of any of the parties and on order of the Examiner of Trade-Marks. Briefs in support of or in opposition to such motions shall be filed within thirty days after transmittal of the motion to the Examiner of Trade-Marks or on dates set by such Examiner, and if not so filed consideration thereof may be refused.

5. Trade-Mark Rule 20.3 is proposed to be amended to read as follows:

20.3 *Notice filed by attorney.* An unverified notice of opposition may be filed by a duly authorised attorney. The unverified notice and the required fee must be filed in the Patent Office within thirty days after publication (Rule 15.1) of the mark sought to be registered, but such opposition will be null and void unless verified by the opposer and the verification or verified notice filed in the Patent Office within thirty days after such filing, or within such further time after such filing as may be fixed by the Commissioner upon request made before the expiration of said thirty days.

6. Trade-Mark Rule 26.2 is proposed to be amended to read as follows:

26.2 *Time and manner of ex parte appeals.* Such appeal must be taken within six months from the date of the action appealed from and must be accompanied by a statement of the reasons therefor. The appellant's brief shall be filed within sixty days after the date of appeal. If the brief is not filed within the time allowed, the appeal may be dismissed. The Examiner shall, within such time as may be directed by the Commissioner, furnish a written statement in answer to the appellant's brief, supplying a copy to the appellant. By delegation from the Secretary of Commerce, such appeals may be heard and decided by an Assistant Commissioner or an Examiner-in-Chief. Cases which have been heard and decided on appeal to the Commissioner will not be reopened except by his order.

The appellant shall indicate, not later than at the time of filing his brief, if he desires an oral hearing. If no request for oral hearing has been made, the appeal will be considered on brief. If the appellant has requested an oral hearing, a day of hearing will be set, and due notice thereof given. Hearings will be held as stated in the notice and oral argument will be limited to one-half hour unless otherwise permitted.

7. Trade-Mark Rule 26.3 is proposed to be amended to read as follows:

26.3 *Appeal to the Commissioner from decision of Examiner of Interferences.* Any party to an interference, opposition, cancellation, or a concurrent use proceeding may appeal, stating the reasons therefor, from the final decision of the Examiner of Interferences to the Commissioner in person within the time limit, not less than thirty days, prescribed in the decision, or, if no time limit is prescribed, within thirty days, upon payment of the prescribed fee. The appellant's brief shall be filed within sixty days after the date of appeal. If the brief is not filed within the time allowed, the appeal may be dismissed. The brief of the appellee shall be filed within thirty days after the filing of the appellant's brief. A reply brief, if filed, shall be due not less than twenty days after the filing of appellee's brief. Briefs and hearings on appeal shall be subject to Rules 24.1 and 24.2 insofar as applicable. The date for hearing will be fixed by the Commissioner in each case. By delegation from the Secretary of Commerce, such appeals may be heard and decided by an Assistant Commissioner or an Examiner-in-Chief.

8. Trade-Mark Rule 29.1 is proposed to be amended by changing "statement and declaration" in the third sentence, to read "application or part thereof," so that the first paragraph will read as follows:

When the requirements of the law and of the rules have been complied with, and the Patent Office has adjudged a mark registrable, a certificate will be issued to the effect that the applicant has complied with the law and that he is entitled to registration of his mark on the Principal Register or on the Supplemental Register as the case may be. The certificate will state the date on which the application for registration was filed in the Patent Office, the act under which the mark is registered, the date of issue and the number of the certificate. Attached to the certificate and forming a part thereof will be a copy of the drawing of the mark and a printed copy of the written application or part thereof. A notice of the affidavit requirement of section 8(a) of the act (Rule 32.1) will be attached to the certificate.

9. Trade-Mark Form 1 is proposed to be amended by changing the second paragraph to read as follows:

The trade-mark was first used on (2a)---------- on (3)---------- and first used on said goods in (date) commerce (4)---------- which may lawfully be regulated by Congress on---------- and by adding (date) the following footnote:

(2a) If one or more items are specified in the list of goods appearing in the statement, and the dates given apply to such item or items, insert "the goods specified." If more than one item is specified in the statement, and the dates given apply only to a particular item, insert the name of such item.

10. Trade-Mark Forms 2 and 3 are proposed to be amended by changing the second paragraph to read:

The trade-mark was first used on ---------- on---------- and first used on said goods in commerce (date) ---------- which may lawfully be regulated by Congress on ---------- (date)

JOHN A. MARZALL,
Commissioner of Patents.

Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Application for extension of the following patents has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

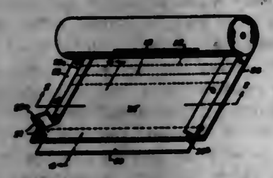
Any person who believes that he would be injured by the extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Sidney L. Eason	2,003,503	June 4, 1935
Sidney L. Eason	2,215,349	Sept. 17, 1940

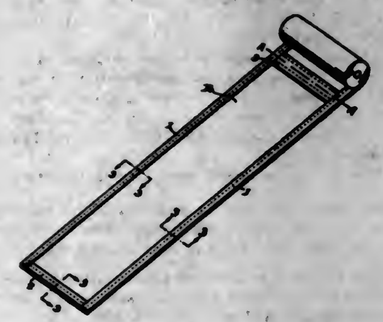
THOMAS F. MURPHY,
Assistant Commissioner.

2,003,503
ROOFING OR SURFACING MATERIAL
Sidney Lanier Eason, Charleston, S. C. Granted June 4, 1935
11 Claims. (Cl. 108—7)



1. In roofing, adjacent roofing courses, a flexible strip extending along the adjacent edge of each course, the outer marginal portion of each strip being fastened to its related course, the inner marginal portion of each strip being free and constituting a flap, the flap of the strip of one course being turned outwardly into overlying relationship to the outer marginal portion of the strip of the other course, the flap of the strip of the other course being turned outwardly into overlying relationship to the flap of the strip of the first mentioned course, and means fastening the flaps together.

2,215,349
ROOFING OR SURFACING MATERIAL
Sidney Lanier Eason, Charleston, S. C. Granted Sept. 17, 1940
12 Claims. (Cl. 108—7)



1. A balanced, cylindrical and symmetrical package of roll roofing capable of being stood upright equally as well on either end, consisting of a sheet of mastic-saturated roofing material having flexible flap-forming stripe along both longitudinal edges thereof, a marginal portion of each flap-strip being adhesively attached to the upper face of the sheet of roofing material along a marginal edge thereof and the other marginal portion of each flap strip being free and constituting a flap extending inwardly over the upper face of said sheet in prolongation of said marginal attaching portion, said stripe being of different composition from the roofing material, being physically disconnected from the roofing material except for the adhesive, and being confined within the roll so as to be protected thereby and forming continuous edge-stiffening elements throughout the length of the rolled sheet equally at both ends of the roll.

Erratum

All references to Patent No. 2,567,213 to Otto A. Knopp, assignor by Decree of Distribution to Louise B. Knopp, for Electrical Testing Instrument, appearing in the OFFICIAL GAZETTE of September 11, 1951, should be deleted as the application was withdrawn from issue and the patent was not issued.

Interference Notice

Charles Atwood Symmes, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Mirror Bright Polish Co., 910 E. Colorado St., Pasadena, Calif., for registration of a trade-mark and Registration No. 353,537, issued January 11, 1938, to Charles Atwood Symmes, 50 Pine St., Danvers, Mass., and the notice of such declaration sent by registered mail to the said Symmes at the said address having been returned by the post office undeliverable, notice is hereby given that unless Symmes, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 29, 1951. *Assistant Commissioner of Patents.*

Adjudicated Patents

(C. A. Colo.) Long and French Patent No. 2,199,747, for method of washing Venetian blinds. Claims 5 and 6 *Held* not infringed. *Jones* v. *Bodaness*, 189 F.2d 838; 89 USPQ 480.

(C. A. Colo.) Long and French Patent No. 2,279,691, for means for washing Venetian blinds. Claim 1 *Held* not infringed. *Id.*

(C. A. Calif.) De Riccio Reissue Patent No. 22,881, for a method of photographically recording the passage of moving objects. Claims 1, 2, 7, and 8 *Held* invalid. *Photochart* v. *Photo Patrol*, 189 F.2d 625; 90 USPQ 46.

(C. A. N. C.) Bley Design Patent No. 151,732, for ladies' hosiery, *Held* valid and infringed. *Glen Raven Knitting Mills* v. *Sanson Hosiery Mills*, 189 F.2d 845; 89 USPQ 470.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,342,320. Electric Fuse. Patented Feb. 22, 1944. Electric fuse adapted to interrupt an electric circuit under the action of a rise of temperature and thus to protect any apparatus, machine, motor, or installation against overheating. Terminals for an electric circuit are arranged in a glass tube. A movable conductor constituted by a thin column of mercury which bridges the two terminals is held in contact therewith by a sheath of wax or the like. At a determined temperature the wax melts and releases the mercury which falls down and breaks the circuit. (Owner) Olivier Ziegel. Correspondence to A. John Michel, 15 Park Row, New York 38, N. Y. Group 36—19. Reg. No. 44,369.

Pat. 2,536,820. Two-Way Communication System. Patented Jan. 2, 1951. Reg. No. 44,370.

Pat. 2,543,986. Two-Way Communication System. Patented Mar. 6, 1951. Reg. No. 44,371.

The systems of these two patents may be installed in offices or plants to provide two-way conversations between various departments. The system of Patent 2,543,986 for large offices and plants includes a large number of stations and a common exchange interconnected to enable a person at any station to call any other station and retain control of the conversation by alternately shifting a key to "talking" and "listening" positions. Certain selected stations may be equipped to put through an emergency call to a second station engaged in conversation with a third station; or to call a group of stations to page or trace a person; or to prevent a caller from establishing talking communication therewith when desired, but allow a warning tone to be received to indicate that a caller is attempting to get through. The system of Patent 2,536,820 for installations having a small number of stations enables a caller at one station to call a desired station without the intermediary of an exchange. (Owner) Louis Prahm. Correspondence to John A. Wells, % Dwight, Royall, Harris, Koegal & Caskey, 100 Broadway, New York, N. Y. Group 36—62.

Pat. 2,546,173. Planetary Unit. Patented Mar. 27, 1951. Fluid drive rear axle transmission for automobiles. A ring gear and a drum at each side of the gear are mounted for free rotation on a tubular shaft secured on a pair of driven shafts. The ring gear has two internal gears meshing with two sets of gears on the inner ends of two sets of countershafts passing through the drums. Smaller gears on the outer ends of the countershafts mesh with a pair of internal gears keyed to the drive shafts. A pair of shields surrounding the drums are secured to the ring gear. The shields and drums have oppositely directed grooves and are spaced from each other to allow fluid to enter the grooves and produce drag between the shields and drums. (Owner) Chas. P. Snyder, 65 Norwood St., Newark 8, N. J. Groups 35—66; 38—31. Reg. No. 44,372.

Pat. 2,445,813. Shaded Pole Motor. Patented July 27, 1948. Reg. No. 44,373.

Pat. 2,543,816. Shaded Pole Motor. Patented Mar. 6, 1951. Reg. No. 44,374.

These two patents relate to reaction type synchronous motors, such as are employed for driving clock or relay mechanisms. Several modified forms are set forth in which most of the parts may be made from sheet metal by simple stamping or die press operations, and readily assembled. In one form, upper and lower sheet metal stator members to be clamped together are each formed with an annular channel to constitute an annular housing for an energizing coil. The periphery of each stator member is formed with a series of pole elements, each bifurcated to provide two pole teeth. A shading coil having alternate recesses and openings is wrapped around the stator to snugly fit the pole teeth. A bell-shaped rotor carries a magnetic annulus on its inside lower edge to surround the stator. The stator and rotor are mounted within a housing on a central supporting column. (Owner) C. B. Walworth, Jr., 777 New Britain Ave., Rocky Hill, Conn. Group 36—19.

Pat. 2,398,221. Power Unit. Patented Apr. 9, 1946. Power unit may be used to supply heated gases to operate a turbine or the like. One embodiment comprises a power cylinder between a pair of compressor cylinders with the pistons in the respective cylinders connected by a rod for movement in unison in the same direction. The power piston is driven by the alternate firing of a combustible fuel charge in opposite ends of the power cylinder. As a fired charge moves the piston past an exhaust port in the power cylinder, compressed air from both compressor cylinders is simultaneously forced into the combustion gases resulting from the fired charge to scavenge and cool the power cylinder. A modification shows two pairs of compressor cylinders. (Co-owner) Fred P. Gerhardt, Room 501, City Hall, Milwaukee, Wis. Groups 35—11—12—19; 37—22; 38—31. Reg. No. 44,375.

Pat. 2,534,590. Power Unit. Patented Dec. 19, 1950. Power unit comprises two sets of cylinders and pistons arranged in tandem, each set including a low and an intermediate compression cylinder, and a power cylinder having a combustion chamber in one end. Air is compressed in two successive stages in the compression cylinders of each set and injected into the combustion chambers on the working strokes of the power pistons. The air is further compressed by the power pistons on their compression strokes, and when either piston reaches the end of its compression stroke, fuel is injected, the charge fired, and portions of the combustion gases conducted through pipes (into which additional fuel is injected) into the intermediate cylinder of the same set and into the low compression cylinder of the other set to drive the pistons in opposite directions. (Owner) Fred P. Gerhardt, Room 501, City Hall, Milwaukee, Wis. Groups 35—11—12—19; 37—22; 38—31. Reg. No. 44,376.

The General Electric Company offers the following patents for non-exclusive licensing on reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The 171 patents listed below relate to heating and air conditioning systems and refrigerating apparatus, and automatic controls and temperature regulating devices. Some of the patents relate to coolers for drinking water, a refrigerator cabinet, a defrosting arrangement for refrigerating systems, a sight glass for casings of refrigerant compressors, and a stoker driving arrangement. Groups 33—63—65; 35—64—67—84; 36—19. Reg. Nos. 44,377 through 44,547.

Pat. 1,983,386. Combustion Arrangement for Oil Burners. Dec. 4, 1934.

Pat. 1,985,991. Protective System for Oil Burners. Jan. 1, 1935.

Pat. 1,986,032. Heater Control. Jan. 1, 1935.

Pat. 1,988,319. Food Preservation. Jan. 15, 1935.

Pat. 1,992,794. Oil Furnace Boiler. Feb. 26, 1935.

Pat. 2,004,771. Oil Burner. June 11, 1935.

Pat. 2,006,928. Humidifier. July 2, 1935.

Pat. 2,006,992. Refrigerating Apparatus. July 2, 1935.

Pat. 2,008,540. Air Recirculating and Humidifying Apparatus. July 16, 1935.

Pat. 2,009,852. Welded Thin Steel Boiler. July 30, 1935.

Pat. 2,011,779. Gas Burner Control. Aug. 20, 1935.

Pat. 2,019,351. Air Conditioning Apparatus. Oct. 29, 1935.

Pat. 2,022,523. Air Conditioning Apparatus. Nov. 26, 1935.

Pat. 2,023,241. Oil Separator for Refrigerating Systems. Dec. 3, 1935.

Pat. 2,026,423 Constant Temperature Device. Dec. 31, 1935.

Pat. 2,032,900. Arrangement for Reducing Torsional Oscillation of Motors. Mar. 3, 1936.

Pat. 2,035,728. Water Supply and Distribution Means for a Humidifier. Mar. 31, 1936.

Pat. 2,036,799. Compressor. Apr. 7, 1936.

Pat. 2,044,555. Closure for an Observation Opening. June 16, 1936.

Pat. 2,045,507. Instrument Panel for Closed Liquid Heaters. June 23, 1936.

Pat. 2,050,063. Refrigerated Store Window. Aug. 4, 1936.

Pat. 2,053,131. Multiple Boiler Furnace Steam Plant. Sept. 1, 1936.

Pat. 2,055,299. Heating System. Sept. 22, 1936.

Pat. 2,063,646. Cooling Unit. Dec. 8, 1936.

Pat. 2,066,161. Reversible Refrigerating System. Dec. 29, 1936.

Pat. 2,071,178. Air Conditioning System. Feb. 16, 1937.

Pat. 2,072,761. Viscosity Compensated Flow Control. Mar. 2, 1937.

Pat. 2,084,294. Check Valve. June 15, 1937.

Pat. 2,084,880. Control Apparatus for Heating Systems. June 22, 1937.

Pat. 2,089,706. Valve Assembly. Aug. 10, 1937.

Pat. 2,092,630. Humidifying Apparatus for Air Conditioning. Sept. 7, 1937.

Pat. 2,095,824. Fluid System. Oct. 12, 1937.

Pat. 2,096,626. Electrical Sequencing Control. Oct. 19, 1937.

Pat. 2,100,834. Air Conditioning System. Nov. 30, 1937.

Pat. 2,106,591. Refrigerating System. Jan. 25, 1938.

Pat. 2,107,897. Fan. Feb. 8, 1938.

Pat. 2,110,024. Heat Exchange Unit. Mar. 1, 1938.

Pat. 2,110,693. Air Conditioning System. Mar. 8, 1938.

Pat. 2,111,431. Control Mechanism. Mar. 15, 1938.

Pat. 2,112,038. Air Conditioning System. Mar. 22, 1938.

Pat. 2,112,039. Air Conditioning System. Mar. 22, 1938.

Pat. 2,112,041. Method of and Apparatus for Humidifying. Mar. 22, 1938.

Pat. 2,112,049. Air Conditioning System. Mar. 22, 1938.

Pat. 2,113,398. Fitting for Fluid Circulating Systems. Apr. 5, 1938.

Pat. 2,116,389 Heat Transfer System. May 3, 1938.

Pat. 2,118,651. Furnace Control System. May 24, 1938.

Pat. 2,121,639. Hot Water Heating Control Device. June 21, 1938.

Pat. 2,128,794. Liquid Cooler. Aug. 30, 1938.

Re. 21,569. Control System and Apparatus for Heating. Reissued Sept. 17, 1940. (Original No. 2,129,526, dated Sept. 6, 1938.)

Pat. 2,130,894. Automatic Temperature Regulation. Sept. 20, 1938.

Pat. 2,133,872. Selective Control for Air Conditioning Apparatus. Oct. 18, 1938.

Pat. 2,134,498. Reversible Thermostatic System. Oct. 25, 1938.

Pat. 2,135,285. Heat Pump. Nov. 1, 1938.

Pat. 2,135,300. Selective Control for Air Conditioning Apparatus. Nov. 1, 1938.

Pat. 2,136,235. Temperature Control System. Nov. 8, 1938.

Pat. 2,139,504. Thermal Responsive Control Mechanism. Dec. 6, 1938.

Pat. 2,140,389. Zone Heating. Dec. 13, 1938.

Pat. 2,149,085. Reversible Thermostatic Control System. Feb. 28, 1939.

Pat. 2,151,564. Refrigerating Machine. Mar. 21, 1939.

Pat. 2,151,565. Refrigerating Machine. Mar. 21, 1939.

Pat. 2,153,382. Zone Heating System. Apr. 4, 1939.

Pat. 2,155,231. Fan and Method of Making Same. Apr. 18, 1939.

Pat. 2,155,255. Temperature Control System. Apr. 18, 1939.

Pat. 2,155,256. Temperature Regulating System. Apr. 18, 1939.

Pat. 2,155,261. Heat Transfer System. Apr. 18, 1939.

Pat. 2,155,270. Sight Glass. Apr. 18, 1939.

Pat. 2,155,279. Fluid Flow Control Apparatus. Apr. 18, 1939.

Pat. 2,156,053. Vapor Heat Transfer System. Apr. 25, 1939.

Pat. 2,156,082. Compensated Pre-Heat Coil. Apr. 25, 1939.

Pat. 2,157,817. Zone Heating System. May 9, 1939.

Pat. 2,160,592. Temperature Regulating System. May 30, 1939.

Pat. 2,160,639. Water Cooler. May 30, 1939.

Pat. 2,160,666. Fan. May 30, 1939.

Pat. 2,166,799. Adjustable Humidostat. July 18, 1939.

Pat. 2,168,157. Fluid Cooling System. Aug. 1, 1939.

Pat. 2,178,445. Refrigerating Machine. Oct. 31, 1939.

Pat. 2,181,726. Apparatus for Transferring Heat. Nov. 28, 1939.

Pat. 2,182,664. Refrigerant Distributor for Cooling Units. Dec. 5, 1939.

Pat. 2,184,354. Air Conditioning Apparatus. Dec. 26, 1939.

Pat. 2,195,990. Refrigerating System. Apr. 2, 1940.

Pat. 2,196,011. Air Conditioning System. Apr. 2, 1940.

Pat. 2,202,731. Automatic Temperature Control. May 28, 1940.

Pat. 2,203,526. Method of and Apparatus for Controlling Temperature. June 4, 1940.

Pat. 2,204,394. Air Conditioning System. June 11, 1940.

Pat. 2,204,403. Method of and Apparatus for Cooling. June 11, 1940.

Pat. 2,215,327. Air Conditioning System. Sept. 17, 1940.

Pat. 2,219,912. Refrigerated Display Case. Oct. 29, 1940.

Pat. 2,221,688. Air Conditioning Apparatus. Nov. 12, 1940.

Pat. 2,226,291. Heat Exchanger. Dec. 24, 1940.

Pat. 2,229,940. Refrigerant Distributor for Cooling Units. Jan. 28, 1941.

Pat. 2,232,545. Stoker Driving Arrangement. Feb. 18, 1941.

Pat. 2,233,168. Compressor. Feb. 25, 1941.

Pat. 2,237,013. Valve Assembly. Apr. 1, 1941.

Pat. 2,241,060. Heat Pump System. May 6, 1941.

Pat. 2,244,376. Refrigerating System. June 3, 1941.

Pat. 2,245,211. Fluid Dynamic Control. June 10, 1941.

Pat. 2,246,148. Magnetic Adjusting Apparatus. June 17, 1941.

Pat. 2,249,482. Oil Burner Nozzle. July 15, 1941.

Pat. 2,258,239. Heating System. Oct. 7, 1941.

Pat. 2,258,245. Steam Heating System. Oct. 7, 1941.

Pat. 2,264,847. Refrigerating Apparatus. Dec. 2, 1941.

Pat. 2,265,737. Fluid Control Apparatus. Dec. 9, 1941.

Pat. 2,268,218. Fluid Seal. Dec. 30, 1941.

Pat. 2,269,157. Automatic Fluid Fuel Burner Control. Jan. 6, 1942.

Pat. 2,269,205. Air Cooling Apparatus. Jan. 6, 1942.

Pat. 2,272,764. Refrigerating System. Feb. 10, 1942.

Pat. 2,272,769. Control Modulating System. Feb. 10, 1942.

Pat. 2,277,429. Refrigerating System. Mar. 24, 1942.

Pat. 2,277,462. Heat Transfer Surface. Mar. 24, 1942.

Pat. 2,278,242. Evaporative Cooler. Mar. 31, 1942.

Pat. 2,282,879. Cooling Unit. May 12, 1942.

Pat. 2,282,880. Refrigerating System. May 12, 1942.

Pat. 2,282,970. Variable Capacity Refrigerant Evaporator. May 12, 1942.

Pat. 2,285,226. Fluid Flow Control. June 2, 1942.

Pat. 2,287,622. Refrigerator Cabinet. June 23, 1942.

Pat. 2,289,082. Air Conditioning System. July 7, 1942.

Pat. 2,289,879. Heat Transfer System. July 14, 1942.

Pat. 2,291,346. Motor Driven Fluid Pump. July 28, 1942.

Pat. 2,292,112. Temperature Control System. Aug. 4, 1942.

Pat. 2,292,160. Temperature Control System. Aug. 4, 1942.

Pat. 2,292,335. Air Conditioning Apparatus. Aug. 4, 1942.

Pat. 2,294,137. Heat Exchanger. Aug. 25, 1942.

Pat. 2,294,664. Clamp for Window Sill Air Conditioners. Sept. 1, 1942.

Pat. 2,295,340. Thermostat. Sept. 8, 1942.

Pat. 2,296,680. Air Conditioning Apparatus. Sept. 22, 1942.

Pat. 2,298,895. Method of Making Heat Exchange Units. Oct. 13, 1942.

Pat. 2,299,574. Heating System. Oct. 20, 1942.

Pat. 2,300,190. Atomizing Oil Burner. Oct. 27, 1942.

Pat. 2,301,708. Temperature Control System. Nov. 10, 1942.

Pat. 2,303,135. Airflow Control. Nov. 24, 1942.

Pat. 2,303,894. Control Heating Devices. Dec. 1, 1942.

Pat. 2,306,216. Refrigerant Compressor. Dec. 22, 1942.

Pat. 2,306,813. Compressor. Dec. 29, 1942.

Pat. 2,308,319. Heat Exchange Surface. Jan. 12, 1943.

Pat. 2,311,404. Conversion Oil Burner. Feb. 16, 1943.

Pat. 2,314,197. Automatic Condition Responsive Control. Mar. 16, 1943.

Pat. 2,314,232. Air Conditioning Control System and Apparatus. Mar. 16, 1943.

Pat. 2,314,288. Oil Rate Control for Burners. Mar. 16, 1943.

Pat. 2,319,005. Refrigerating System. May 11, 1943.

Pat. 2,320,194. Fluid Flow Control. May 25, 1943.

Pat. 2,324,313. Air Conditioning Apparatus. July 13, 1943.

Pat. 2,324,858. Outlet Grille for Air Conditioning Apparatus. July 20, 1943.

Pat. 2,325,964. Oil Burner Control. Aug. 3, 1943.

Pat. 2,331,691. Air Conditioning Apparatus. Oct. 12, 1943.

Pat. 2,333,432. Control System. Nov. 2, 1943.

Pat. 2,342,469. Room Air Conditioning Unit. Feb. 22, 1944.

Pat. 2,343,211. Reciprocating Compressor. Feb. 29, 1944.

Pat. 2,348,000. Heat Transfer System. May 2, 1944.

Pat. 2,348,020. Heat Exchanger. May 2, 1944.

Pat. 2,359,567. Oil Burner Unit. Oct. 3, 1944.

Pat. 2,359,571. Air Circulating Device. Oct. 3, 1944.

Pat. 2,359,595. Refrigerating System. Oct. 3, 1944.

Pat. 2,359,790. Refrigerating Machine. Oct. 10, 1944.

Pat. 2,359,791. Liquid Cooling Apparatus. Oct. 10, 1944.

Pat. 2,366,003. Heating System. Dec. 26, 1944.

Pat. 2,368,492. Explosion-Proof Apparatus. Jan. 30, 1945.

Pat. 2,369,993. Fluid Heater. Feb. 20, 1945.

Pat. 2,379,286. Refrigerating System. June 26, 1945.

Pat. 2,383,811. Temperature Control System and Apparatus. Aug. 28, 1945.

Pat. 2,388,073. Fluid Flow Control. Oct. 30, 1945.

Pat. 2,404,010. Refrigerating Machine. July 16, 1946.

Pat. 2,404,112. Refrigerating Machine. July 16, 1946.

Pat. 2,453,439. Refrigeration Control System. Nov. 9, 1948.

Pat. 2,468,118. Liquid Level Responsive Hydrodynamic Flow Control. Apr. 26, 1949.

Pat. 2,468,119. Liquid Level Responsive Hydrodynamic Fail Safe Control. Apr. 26, 1949.

Pat. 2,470,503. Automatic Inverse Modulation Valve. May 17, 1949.

Pat. 2,480,098. Thermostatic Modulating System. Aug. 23, 1949.

Pat. 2,481,469. Refrigerating System. Sept. 6, 1949.

Pat. 2,524,813. Control for Refrigeration Systems. Oct. 10, 1950.

Pat. 2,524,913. Expansion Valve for Refrigerating Systems. Oct. 10, 1950.

Pat. 2,526,379. Defrosting Arrangement for Refrigerating Systems. Oct. 17, 1950.

The following five patents relate to compression glaze, compression sand, and compression glaze and sand ceramic surfaces, and to insulators having such surfaces. Groups 28—34; 32—53; 36—11.

Pat. 2,157,100. Glazed Ceramic Insulator and the Like. Patented May 9, 1939. Reg. No. 44,548.

Pat. 2,250,044. Insulator. Patented July 22, 1941. Reg. No. 44,549.

Pat. 2,287,976. Insulator. Patented June 30, 1942. Reg. No. 44,550.

Pat. 2,327,972. High Strength Ceramic Surface. Patented Aug. 24, 1943. Reg. No. 44,551.

Pat. 2,337,691. Method of Making High Strength Ceramic Surfaces. Patented Dec. 28, 1943. Reg. No. 44,552.

Patents Removed from Register

The following two patents listed by General Electric Company as available for licensing are hereby withdrawn from the Register.

Pat. 2,440,535. Double Concentric Air Gap Permanent Magnet Instrument. Listed in the OFFICIAL GAZETTE, Apr. 25, 1950.

Pat. 2,338,835. Lamp Base and Socket. Listed in the OFFICIAL GAZETTE, June 26, 1951.

Notice

In view of the fact that Locke Incorporated was merged into General Electric Company as of June 30, 1951, the following two patents, formerly offered for licensing by Locke Incorporated, and published in the OFFICIAL GAZETTE, have been transferred by said merger to General Electric Company. The General Electric Company is prepared to grant non-exclusive licenses under the listed patents, upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Patents listed and Abstracts published in OFFICIAL GAZETTE, June 21, 1949:

Pat. 1,988,369. Radio Interferenceproof Insulator.

Pat. 2,009,629. Article Spinning Device.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING AUGUST, 1951

EX PARTE OSCAR F. IGERSHEIM (DOING BUSINESS AS PLASTIC FABRICATORS), 173 Ms. D. 456, 90 USPQ 241, August 1, 1951.

Assistant Commissioner Klinge denied a petition to the Commissioner of Patents under the provisions of Rule 27.1 requesting that the Examiner of Trade-Marks be instructed to accept and enter an amendment filed on October 22, 1949, in an application originally filed under the act of 1905 on June 21, 1947, for the purpose of transferring the application from the Trade-Mark Act of 1905 to the 1920 act.

It was held that whatever right the applicant may have had under the acts of 1905 and 1920 at the time its application was filed, it is obvious from a consideration of section 47 (a) of the Trade-Mark Act of 1946 that the applicant does not now have the right to amend the present application to bring it under the act of 1905. The present application having been filed under the act of 1905, and not amended to bring it under the act of 1946, the prosecution of said application shall be proceeded with and the registration thereon granted in accordance with the act of 1905.

EX PARTE GOODALL-SANFORD, INC., 173 Ms. D. 458, — USPQ —, August 7, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration of the mark "NYMO" for piece goods entirely of nylon or nylon, cotton, mohair, wool and synthetic fibres combined in one fabric or combinations of any such component parts made in one fabric and sold in the bolt, in view of Registration No. 501,095 for the identical mark "NYMO" applied to threads used for sewing, knitting, and weaving.

It was held that concurrent use of applicant's mark and the registered mark, when applied to the closely related goods of the parties, would be likely to cause confusion or mistake or deceive purchasers since a purchaser seeing the mark "NYMO" on the goods of the respective parties would consider such goods to be those of the same manufacturer or dealer, and not those of two different manufacturers.

It was held that as to the manner in which the registrant's threads are marketed, that is something which is subject to change at will.

EX PARTE GOODALL-SANFORD, INC., 173 Ms. D. 459, — USPQ —, August 7, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration of the mark "NYSPUN" for piece goods entirely of nylon or nylon, cotton, mohair, wool and synthetic fibres combined in one fabric or combinatins of any of such component parts made in one fabric, in view of Registration No. 437,480 for the identical mark "NYSPUN" and applied to yarn of wool and nylon having a wool plating and a nylon core.

It was held that concurrent use of applicant's mark and the registered mark when applied to the goods of the two parties would be likely to cause confusion or mistake or deceive purchasers since the two marks are identical and the goods on which the respective marks are used are very closely related.

GENERAL MILLS, INC. *v.* THE FRITO COMPANY, 173 Ms. D. 460, — USPQ —, August 8, 1951, Opposition No. 28,838.

Application was made for registration under the act of 1946 of the mark "Chee·tos" for cheese-flavored corn product in puffed form. Opposition was filed, opposer relying upon its trade-mark "CHEERIOS" for ready-to-eat cereal and crackers as shown in its prior registrations, No. 414,338 and No. 350,691. The Examiner of Trade-Mark Interferences sustained the opposition. *Assistant Commissioner Klinge* affirmed.

It was held that the products of the respective parties are so closely related, and the marks so closely resemble each other in sound and appearance that there would be likelihood of confusion or mistake in the mind of purchasers as to the origin of the applicant's goods with its trade-mark applied thereto.

BUNTE BROTHERS *v.* FRANK W. MOORE, 173 Ms. D. 462, — USPQ —, August 8, 1951, Cancellation No. 5498.

Registration No. 345,451, disclosing the mark "Tango" applied to fresh citrus fruit, and citrus juices used for food purposes was obtained under the act of 1905. Cancellation was sought, petitioner relying upon the prior use of the mark "TANGOS" for candy, disclosed in its Registration No. 115,296, issued under the act of 1946. The Examiner of Trade-Mark Interferences dismissed the petition. *Assistant Commissioner Klinge* affirmed.

It was held that there would be no likelihood of confusion or deception in the minds of purchasers of the respondent's goods with its mark applied thereto as to the source or origin thereof, since it has not been shown that citrus juices and candy are commonly produced by the same manufacturer, or that

they ever have been and the mere fact that the two commodities may on occasion be purchased in the same stores is not sufficient to justify a holding that they are goods of the same descriptive properties.

EX PARTE GOODALL-SANFORD, INC., 173 Ms. D. 468, — USPQ —, August 9, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration on the Principal Register of the act of 1946 of the notation "TWISTPOINT" applied to piece goods of cotton, mohair and wool, or combinations thereof, on the ground that the mark is descriptive.

It was held that the mark is descriptive, being merely a combination of two textile terms, "twist" and "point," so that the combination of these two well-known terms, both finding common usage in the textile and apparel fields, into a single expression merely indicates the character of the fabric, the connotation "TWISTPOINT" indicating nothing more than the physical makeup of the fabric, and it would be so interpreted by the average purchaser.

EX PARTE GOODALL-SANFORD, INC., 173 Ms. D. 469, — USPQ —, August 9, 1951.

Assistant Commissioner Klinge affirmed the decision of the Examiner of Trade-Marks refusing registration of the notation "ANGORA SATIN," the word "SATIN" being disclaimed, on the Principal Register of the Trade-Mark Act of 1946 for piece goods of cotton, mohair, wool and combinations thereof, on the ground that it is descriptive of the applicant's goods and thus is incapable of distinguishing applicant's goods in commerce from the goods of others.

It was held that the term "ANGORA SATIN" would be considered by the average purchaser to be a cloth made of angora wool, having a smooth glossy surface resembling satin, so that the notation sought to be registered, when applied to the mohair piece goods of the applicant, is merely descriptive of such goods and is therefore unregistrable on the Principal Register under the act of 1946, and is incapable of distinguishing the applicant's goods in commerce so as to indicate origin or ownership in the applicant.

In response to applicant's contention that it has established a common law right in the word "Angora," apparently by reason of ownership of the mark "ANGORA TAFFETA," Registration No. 111,327, it was held that the prior registration or use of the trade-mark "ANGORA TAFFETA" does not establish a common law right to the word "Angora" in the applicant even though the word "Taffeta" is disclaimed.

RAYMOND LABORATORIES, INC. *v.* HELENA RUBINSTEIN, INC., 173 Ms. D. 464, — USPQ —, August 9, 1951, Opposition No. 27,968, Interference No. 4071.

Application was filed seeking registration of the mark "COMMAND PERFORMANCE" for complexion and face powder, compact rouge, cream rouge, eau de parfum, lipstick, nail lacquer, cream tint foundation, perfume. Opposition was filed, the opposer alleging prior use of the trade-mark "Command Performance." Promptly thereafter opposer filed its application for registration of the same mark "Command Performance" for permanent hair waving kits and supplies and an interference was declared. The Examiner of Interferences sustained the opposition and awarded priority in the interference to the opposer. *Assistant Commissioner Klinge* affirmed.

After noting that the first applicant admits that its use of the mark "COMMAND PERFORMANCE" is subsequent to the date established by the opposer, in response to reliance upon use by it of another mark "GALA PERFORMANCE" for perfume and cologne prior to the earliest date established by the opposer, it was held that insofar as the interference proceeding is concerned, the prior use by the applicant of the trade-mark "GALA-PERFORMANCE" (an entirely different mark from that involved in the interference), cannot confer priority upon the applicant, even though the two marks may be, in the mind of the applicant, confusingly similar.

It was also held that refusal by the Examiner to consider evidence relating to the mark "GALA PERFORMANCE" for the purpose for which it was submitted in the opposition was entirely proper.

After stating that the effect of the prior use of the mark "GALA PERFORMANCE" by the applicant on the registrability of the trade-mark "Command Performance" to the opposer, is, however, a matter which may and should be considered and disposed of ex parte, it was held that there is no confusing similarity between "COMMAND PERFORMANCE" and "GALA PERFORMANCE" since, considering the respective uses of the two trademarks, the mark "Command Performance" does not so resemble the mark "GALA PERFORMANCE" as to be likely, when applied to hair waving kits and supplies, to cause confusion or mistake or to deceive purchasers.

In response to applicant's suggestion that a concurrent use proceeding pursuant to section 2(d) of the act of 1946 may be appropriate, it was held that at this time such a proceeding is entirely inappropriate, because, for one thing, the applicant has not converted its 1905 application to the new act and restricted its application as required by Rule 8.2 Trade-Mark Rules of Practice.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 25, 1951

[VOL. 650. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 523,364. Fred G. Broh, Inc., New York, N. Y. Filed June 2, 1947.

GOLD LEAF

For Shellac, Wall Paints, and Varnish.
Claims use since Apr. 1, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 503,999. Harry J. Seaman, doing business as Seaman Motors, Milwaukee, Wis., assignor to Seaman Motors, Inc., Milwaukee, Wis., a corporation of Wisconsin. Filed June 15, 1946.

TRIPLE TILLER

The word "Tiller" is disclaimed.
For Rotary Plows.
Claims use since October 1937.

Ser. No. 512,181. The Koch Engineering Company, Inc., Wichita, Kans. Filed Nov. 7, 1946.



For Petroleum Refinery Apparatus and Parts Thereof—Namely, Apparatus Which Affords Gas and Liquid Contact, Sometimes Variously Specifically Referred to as Bubble Towers, Dephlegmators, Condensers, and/or Heat Exchangers, and Control Devices, Such as Valves and the Like, for Use in Connection With Said Apparatus.
Claims use since May 1946.

Ser. No. 523,884. The Autographic Register Company, Hoboken, N. J. Filed June 10, 1947. Under 10-year proviso.

THE AUTOGRAPHIC REGISTER CO

For Manifolding Registers.
Claims use since 1894.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 498,814. Trade-Wind Motorfans, Inc., Los Angeles, Calif. Filed Mar. 22, 1946.

FOTO-LATOR2

For Ventilators—Namely, Centrifugal Blowers and Propeller Fans for Blowing Air Into or Exhausting Air From the Space in Which It Is Installed.
Claims use since Jan. 1, 1946.

CLASS 39

CLOTHING

Ser. No. 518,080. Jupiter Foundations, Inc., New York, N. Y. Filed Feb. 25, 1947.

Bu-T-Lift
BRA
by JUPITER

The notation "Bu-T-Lift Bra" is disclaimed.
For Brassières.
Claims use since Jan. 29, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 503,191. Clarvan Corporation, Milwaukee, Wis. Filed June 3, 1946.

PLASTICOID

For Vinyl-Type Plastic Sheeting or Film Sold in the Bolt or Piece, for Making Into Flexible Protecting Covers for Kitchen Bowls and Other Kitchen Appliances, and the Like.
Claims use since Dec. 1, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 516,227. Sunset Incorporated, Chicago, Ill. Filed Jan. 23, 1947.

Lucky Day

The lining is for shading purposes only.
For Whiskey.
Claims use since Nov. 6, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 520,749. The Lehon Company, Chicago, Ill. Filed Apr. 15, 1947.



Applicant owns Registrations Nos. 79,287, 133,271, 188,783, and others.
For Banners, Bird Houses, Door Mats (Made of Felt Saturated and Coated With Asphaltic Compound), Fly Swatters, Newspaper Electros (Printing Plates), Papier Mâché Mule Heads (Representing the Head of a Lop-Eared Mule), Pennants, Silo Covers (of Canvas Treated With Asphaltic Compound), Tarpaulins, Waterproofed Felts; Waterproof Covers of Felt, Canvas, Duck and Paper; Non-Electric Signs of Wood, Metal, and Plastic; and Hot Pan Holders (Asbestos Lined, Heat-Proof Pads for Handling Hot Pans on Stoves).
Claims use since September 1908.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 586,652. Regis Leather Company, Peabody, Mass. Filed Oct. 21, 1949.



The leather skin and the name "Regis" are disclaimed.
For Leather.
Claims use since Oct. 18, 1947.

Ser. No. 598,729. Lafayette Coal Company, Chicago, Ill. Filed June 7, 1950.



The lining is for shading only.
For Coal.
Claims use since June 1, 1949.

Ser. No. 598,730. Lafayette Coal Company, Chicago, Ill. Filed June 7, 1950.



The word "Washed" is disclaimed.
For Coal.
Claims use since June 1, 1949.

Ser. No. 598,731. Lafayette Coal Company, Chicago, Ill. Filed June 7, 1950.



For Coal.
Claims use since June 1, 1949.

Ser. No. 598,732. Lafayette Coal Company, Chicago, Ill. Filed June 7, 1950.



The pictures are fanciful. The stippling is for shading only.
For Coal.
Claims use since June 1, 1949.

Ser. No. 603,204. The Polymer Corporation, Reading, Pa. Filed Sept. 6, 1950.

POLYPENCO

For Synthetic Plastic Materials in the Form of Rods, Strips, and Tubing, and Particularly Rod, Strips, and Tubing Made From Nylon.
Claims use since Aug. 3, 1950.

Ser. No. 606,812. Service Seed Co. Ltd., Crystal Springs, Miss. Filed Nov. 22, 1950.

Bountiful

For Vegetable Seed and Field Seeds.
Claims use since July 10, 1950.

Ser. No. 607,541. Carter U. Faris, Winchester, Tenn. Filed Dec. 11, 1950. (Sec. 2f.)

ORIGINAL
LOONEY
SEED CORN

The words "Original" and "Seed Corn" are disclaimed.
For Seed Corn.
Claims use since Sept. 15, 1897.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 607,463. Tumb-L-Matic, Inc., New York, N. Y. Filed Dec. 8, 1950.

TUMB-L-MATIC

The term "Tumb-L" is disclaimed.
For Abrasive Compounds, Adapted for Use in Tumbling Machines for Cutting, Smoothing, and Lustering the Work.
Claims use since Mar. 28, 1949.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 587,713. H. Comoy & Co., Limited, London, England. Filed Nov. 14, 1949.

LONDON PRIDE

Applicant claims ownership of British Registration No. B. 640,485, dated Sept. 28, 1945.
For Tobacco Pipes.

Ser. No. 592,415. Raymond Brenner Inc., also trading as Raymond Brenner, Youngstown, Ohio. Filed Feb. 14, 1950.

The Cellar Shops

The words "The" and "Shops" are disclaimed.
For Smokers' Articles Made of Glass, Ceramics, or Metals, With or Without Leather or Imitation Leather Trimming—Namely, Cigarette Cases, Cigarette Boxes, and Ash Trays.
Claims use since Aug. 29, 1949.

Ser. No. 606,449. American Safety Razor Corporation, Brooklyn, N. Y. Filed Nov. 16, 1950.

Ascot

Applicant claims ownership of Registration No. 543,486.
For Cigarette Lighter Flints.
Claims use since Oct. 10, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 527,350. Western Waterproofing Company, Inc., St. Louis, Mo., assignee of Western Waterproofing Company. Filed July 5, 1947. CONCURRENT USE with Reg. No. 346,154 and Ser. No. 534,847, for the areas comprising all territories of the United States of America except: the areas comprising the States of Minnesota, North Dakota, South Dakota, Nebraska, Colorado, New Mexico, Texas, Oklahoma, Kansas, Missouri, Arkansas, Louisiana, Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee, the State of Iowa, other than the counties of Lee, Des Moines, Louisa, Muscatine, Scott, Clinton, Jackson, Dubuque, Clayton, and Allamakee, that part of the State of Illinois lying south of the northern boundary lines of the counties of Hancock, McDonough, Fulton, Tazewell, McLean, Ford, and Vermilion, in the State of Indiana the counties of Sullivan, Greene, Knox, Daviess, Martin, Gibson, Pike, Dubois, Posey, Vanderburgh, Warrick, and Spencer, and all of the Commonwealth of Virginia other than the counties of Fairfax and Prince William.

RESTO-CRETE

For Cementitious Materials Adapted for Use in Connection With Waterproofing and Weatherproofing Building Structures.
Claims use since Apr. 1, 1926.

Ser. No. 534,847. Western Waterproofing Company, Detroit, Mich. Filed Sept. 17, 1947. CONCURRENT USE with Reg. No. 346,154 and Ser. No. 527,350, for the area comprising the States of Minnesota, North Dakota, South Dakota, Nebraska, Colorado, New Mexico, Texas, Oklahoma, Kansas, Missouri, Arkansas, Louisiana, Mississippi, Alabama, Georgia, Florida, South Carolina, North Carolina, Tennessee; also Iowa (excepting the counties of Lee, Des Moines, Louisa, Muscatine, Scott, Clinton, Jackson, Dubuque, Clayton, and Allamakee); that part of Illinois lying south of the northern boundary lines of the counties of Hancock, McDonough, Fulton, Tazewell, McLean, Ford, and Vermilion; in Indiana the counties of Sullivan, Greene, Knox, Daviess, Martin, Gibson, Pike, Dubois, Posey, Vanderburgh, Warrick, and Spencer; and Virginia (except the counties of Fairfax and Prince William).



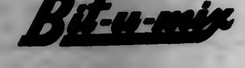
The words "Western Waterproofing Company," "Experts," "Service," and "Co." are disclaimed. Applicant claims ownership of Registration No. 346,154.
For Waterproofing and Weatherproofing Compositions—Namely, Cementitious Materials Adapted for Use in Waterproofing and Weatherproofing Structures.
Claims use since Sept. 10, 1927.

Ser. No. 546,582. Alfred Goss, doing business as Goss & Goss, San Francisco, Calif. Filed Jan. 9, 1948. (Sec. 2f.)

EVER-FLEX

For Caulking Compound Consisting of Oils and Pigments.
Claims use since May 1, 1939.

Ser. No. 555,911. American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Filed Apr. 30, 1948.



The word "Mix" is disclaimed.
For Surfacing Material of Bituminous Mix To Be Laid Upon Any Standard Base in the Resurfacing of Old Streets, Roads, Pavements, Air Fields, Etc.
Claims use since August 1947 in its present form; and since Oct. 1, 1926, as to "Bit-U-Mix."

Ser. No. 565,864. Aktiebolaget Scharins Söner, Stockholm, Sweden. Filed Sept. 25, 1948.



Applicant claims ownership of Swedish Registration No. 59,635, dated Mar. 23, 1945.
For Insulating Building Boards, Wall Boards.

Ser. No. 568,439. Nichols Wire and Aluminum Co., Davenport, Iowa. Filed Nov. 9, 1948.



For Metal Roofing in Sheet Form, Metal Roofing Materials—Namely, Flashing, Ridge Roll, Valleys, Gutters, Edges, Eave Troughs, Building Corners, and Barn Battens; Metal Flooring; Metal Siding and Wall Tile; and Metal Mouldings; Wire Lathes, and Wire Fabric for Reinforcing Plaster and Cement.
Claims use since December 1935.

Ser. No. 580,457. Walter K. P. Baumann & Co., New York, N. Y. Filed June 15, 1949.

TORON

Applicant claims ownership of Registration No. 242,344.
For Asphalt Emulsion for Use Over Wood, Metal, Brick, Tile, Concrete, Roofs, and Insulating Surfaces.
Claims use since Nov. 30, 1927.

Ser. No. 586,959. Continental Can Company Inc., New York, N. Y. Filed Oct. 28, 1949.

CONOLITE

For Decorative Laminated Plastic Sheets.
Claims use since Oct. 4, 1949.

Ser. No. 588,795. General Refractories Company, Philadelphia, Pa. Filed Dec. 5, 1949.

SILBRIK-BOND

The word "Bond" is disclaimed.
For Silica Mortar.
Claims use since May 24, 1949.

Ser. No. 592,797. Armstrong Cork Company, Lancaster, Pa. Filed Feb. 21, 1950.

ARLON

Applicant claims ownership of Registration No. 520,720.
For Resilient Floor Tile.
Claims use since Aug. 30, 1949.

Ser. No. 595,580. Western Pine Association, Portland, Oreg. Filed Apr. 11, 1950. COLLECTIVE MARK.



For Lumber and Lath.
Claims use since Dec. 30, 1948.

Ser. No. 596,222. Henry H. Garner, Jr., Birmingham, Ala. Filed Apr. 24, 1950.

Oneonta Stone

The word "Stone" is disclaimed.
For Stone Slabs and Blocks for Use in Buildings as Window Sills, Steps, Floors, and Walls.
Claims use since May 10, 1939.

Ser. No. 596,240. The Robinson Clay Product Company, Akron, Ohio. Filed Apr. 24, 1950.

UNILINE

For Ladle Lining Cement in Dry and Plastic Form.
Claims use since Feb. 10, 1950.

Ser. No. 596,399. Douglas Fir Plywood Association, Tacoma, Wash. Filed Apr. 27, 1950. COLLECTIVE MARK. (Sec. 2f.)



Applicant claims ownership of Registration No. 373,258.
For Plywood.
Claims use since Sept. 27, 1932.

Ser. No. 599,778. Phenix Manufacturing Company Inc., Milwaukee, Wis. Filed June 26, 1950. (Sec. 2f.)

WEDGELOCK

For Overhead Doors, Combination Doors, Screen Windows, and Storm Sashes.
Claims use since 1940.

Ser. No. 602,780. The F. L. Saino Manufacturing Co., Memphis, Tenn. Filed Aug. 25, 1950.

PERMASLAB

For Composite Fire Doors.
Claims use since July 19, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 370,381. Saval Company, Los Angeles, Calif. Filed Dec. 11, 1948.



For Hydraulic Valves and Valve Parts—Namely, Selector Valves, On-Off and Bypass Valves, and Pressure Operated Valves.
Claims use since July 31, 1944.

650 O. G.—62

Ser. No. 576,591. The Nik-O-Lok Company, Indianapolis, Ind. Filed Apr. 4, 1949.



All wording is disclaimed. Applicant claims ownership of Registration No. 419,261.
For Metal Folding Shelves.
Claims use since Feb. 26, 1941.

Ser. No. 583,069. The Allbright-Nell Company, Chicago, Ill. Filed Aug. 6, 1949.



The drawing is lined to indicate red.
For Packing House Equipment—Namely, Dropper Hooks and Guides for Use in Overhead Conveyors for Animal Carcasses, and Shackles, and Tubes for Stuffing Sausage Meat Into Casings.
Claims use since 1918.

Ser. No. 586,147. Paul Cusano, Hasbrouck Heights, N. J. Filed Oct. 12, 1949.

CLIMATIC ADJUSTERS

The word "Adjusters" is disclaimed.
For Manually Operated Adjustable Brackets Adapted for Attachment to and for Use in Leveling Game Boards.
Claims use since Aug. 26, 1949.

Ser. No. 587,618. Balcrank, Inc., Cincinnati, Ohio. Filed Nov. 10, 1949.

PRESSUR-MATIC

The term "Pressur" is disclaimed.
For Mechanical Pressure Regulating Valves for Insertion in the Line Between a Grease Pump and a Fitting.
Claims use since July 27, 1949.

Ser. No. 606,003. Detroit Regulator Company, Detroit, Mich. Filed Nov. 7, 1950.

MAXITROL

For Means for Controlling Gas Flow—Namely, Valves.
Claims use since May 31, 1949.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 605,215. The International Nickel Company, Inc., New York, N. Y. Filed Oct. 20, 1950.



For Metal Welding Electrodes.
Claims use since Sept. 11, 1950.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 527,675. Minnesota Paints, Inc., Minneapolis, Minn., formerly Minnesota Linseed Oil Paint Co., doing business as The Chi-Namel Paint and Varnish Co. Filed July 5, 1947. (Sec. 2f.)

RAPIDO

For Enamel Paint and Clear Varnish Ready for Use.
Claims use since 1919.

Ser. No. 540,893. Republic Paint & Varnish Co., Chicago, Ill. Filed Nov. 12, 1947.

GALVA-SHIELD

The word "Shield" is disclaimed.
For Heavy Duty Paint Sold in Liquid Form, Particularly Suitable for New Galvanized Metal and Adaptable for Use on Other Metal, Wood, Brick, Plaster, and Concrete Surfaces.
Claims use since Jan. 31, 1939.

Ser. No. 550,937. The Paraffine Companies, Inc., San Francisco, Calif., now by change of name Pabco Products Inc., a corporation of Delaware. Filed Mar. 1, 1948.



Applicant claims ownership of Registrations Nos. 79,002, 80,941, 131,815, 132,772, and others.
For Ready Mixed Liquid, Paste, and Emulsified Paints; Paint Enamels; Lacquers; Varnishes; Paint Pigments Ground in Oil or in Dry Form; Paint and Varnish Oils; Thinners for Paints, Varnishes, and Oils; Paint Primers; Ready-to-Mix and Ready-Mixed Flaked Metal Paints; Cold Water Paints and Calcimine; Chemical Paint, Enamel, and Varnish Removers; Paint, Enamel, and Varnish Driers; Bituminous Paints; Synthetic Plastic Base Resin Adapted To Be Employed as Paint; Preservative, Fungicidal, and Termite Treatment Paints; Paints Containing Asbestos Fibres; and Waxes for Use as Protective Coatings for Linoleum, Rubber Tile, and Other Composition Floors.
Claims use since July 1945.

Ser. No. 551,675. Wype Corporation, St. Louis, Mo. Filed Mar. 10, 1948.

Mirrofilm

For Liquid Transparent Lacquer for Wood and Metal Surfaces.
Claims use since Jan. 28, 1948.

Ser. No. 555,826. Mac-O-Lac Paint & Varnish Works, Detroit, Mich. Filed Apr. 29, 1948.

FLATFLO

For Ready-Mixed Paints, Varnishes, Paint Enamels.
Claims use since March 1948.

Ser. No. 559,463. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948. (Sec. 2f.)

SAF-T-DEK

Applicant claims ownership of Registration No. 408,325.
For Paint-Like Material Adapted To Be Troweled or Sprayed Upon a Surface To Be Protected Thereby.
Claims use since May 1, 1943.

Ser. No. 559,464. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948.

TITAN-HIDE

The word "Hide" is disclaimed. Applicant claims ownership of Registration No. 285,259.
For Double-Strength White Paste Paint.
Claims use since June 30, 1930.

Ser. No. 559,466. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948. (Sec. 2f.)

Tru-flo

Applicant claims ownership of Registration No. 285,261.
For Ready-Mixed Self-Leveling Flat Paint.
Claims use since June 30, 1930.

Ser. No. 559,467. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948. (Sec. 2f.)

TRU SEAL

Applicant claims ownership of Registration No. 208,686.
For Ready-Mixed Paints for Coating Metals.
Claims use since June 1927.

Ser. No. 559,468. Devoe & Raynolds Company, Inc., New York, N. Y., and Detroit, Mich. Filed May 13, 1948.
The word "Wal" is disclaimed. Applicant claims ownership of Registration No. 255,839.

WAL-RAYS

For Pigmented Oleo-Resinous Paints and Air Drying Paint Enamels.
Claims use since May 21, 1923.

Ser. No. 572,738. The Hanna Paint Manufacturing Co., Columbus, Ohio. Filed Jan. 25, 1949. (Sec. 2f.)

Hanna's

For Ready-Mixed Interior and Exterior Paints, Paint Enamel, Varnish, Varnish Stain; Barn, Bridge, and Roof Paint, and Truck, Tractor, and Implement Paint.
Claims use since 1888.

Ser. No. 574,861. Red Hand Compositions Company, Inc., New York, N. Y. Filed Mar. 3, 1949.

LATENAC

For Rubber Base and Varnish Base Paints and Sealers.
Claims use since Sept. 9, 1947.

Ser. No. 590,442. Johns-Manville Corporation, New York, N. Y. Filed Jan. 6, 1950.

JM

Applicant claims ownership of Registrations Nos. 68,137, 95,632, 99,313, and 272,689.
For Bituminous Enamels and Paints; Bituminous Waterproofing and Damp Proofing Coatings; Primers for Bituminous Enamels, Paints, and Coatings; and Varnish.
Claims use since 1929 as shown; and since June 19, 1909, as to "JM."

Ser. No. 593,738. Velsicol Corporation, Chicago, Ill. Filed Mar. 10, 1950.

CuPAX

For Varnish or Lacquer Coating Compositions To Protect Metallic Surfaces From Corrosion and Discoloration.
Claims use since Feb. 23, 1950.

Ser. No. 595,107. The Verflex Co., Inc., Carlstadt, N. J. Filed Apr. 1, 1950.

RAMOLITE

For Ready Mixed Oil-Containing Paints, Synthetic Enamels, Varnishes, and Asphaltic-Base Roof Coatings.
Claims use since March 1939.

Ser. No. 595,109. The Verflex Co., Inc., Carlstadt, N. J. Filed Apr. 1, 1950.



For Ready Mixed Oil-Containing Paints, Synthetic Enamels, Varnishes, and Asphaltic-Base Roof Coatings.
Claims use since March 1939.

Ser. No. 596,285. Arthur C. Mangels Industries, Philadelphia, Pa. Filed Apr. 25, 1950.

ACM

For Self-Priming House Paint.
Claims use since Mar. 1, 1950.

Ser. No. 602,557. Interchemical Corporation, New York, N. Y. Filed Aug. 22, 1950.

ipi

The drawing is lined for red. Applicant claims ownership of Registration No. 271,463.
For Varnishes and Lacquers.
Claims use since Dec. 18, 1929.

Ser. No. 603,211. Synthetic & Industrial Finishes Limited, Watford, England. Filed Sept. 6, 1950.

THERMINDEX

Applicant claims ownership of British Registration No. 636,498, dated Apr. 16, 1945.
For Liquid Paints.

Ser. No. 603,449. Hamilton Dwight Company, Inc., New York, N. Y. Filed Sept. 12, 1950. (Sec. 2f.)

DWIGHT WHITE

For Water Color Paint.
Claims use since July 1942.

Ser. No. 603,920. General Paint Corporation, San Francisco, Calif. Filed Sept. 23, 1950.

Trend Tones

The word "Tones" is disclaimed.
For Color Concentrates To Be Mixed With Paints.
Claims use since February 1950.

Ser. No. 605,264. Pockrandt, Inc., Bay City, Mich. Filed Oct. 21, 1950.



The words "Removes All Paint" are disclaimed.
For Paint and Varnish Remover.
Claims use since June 6, 1950.

Ser. No. 607,179. Lowebco, Incorporated, Chicago, Ill. Filed Dec. 1, 1950.

AUTEX

For Paint Additive for Creating Sand Finished Textured Coatings.
Claims use since Nov. 22, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 535,356. American Snuff Company, Memphis, Tenn. Filed Apr. 23, 1948. (Sec. 2f as to "M. Escobal.")



All wording except "M. Escobal" is disclaimed. "M. Escobal" is the name of a deceased person who was associated with a predecessor of the applicant. The drawing is lined for shading.
For Snuff.
Claims use since 1900.

Ser. No. 594,270. Larus & Brother Company, Richmond, Va. Filed Mar. 20, 1950.

HOLIDAY

Applicant claims ownership of Registration No. 400,357.
For Smoking Tobacco.
Claims use since January 1947 as shown; and since Oct. 11, 1930, as to the word "Holiday."

Ser. No. 595,627. Thompson & Company, Inc., Tampa, Fla. Filed Apr. 12, 1950.

EMPRESS OF CUBA

The word "Cuba" is disclaimed.
For Cigars.
Claims use since May 15, 1921.

Ser. No. 596,727. Illingworth's Snuffs Limited, Kendal, Westmoreland, England. Filed May 2, 1950.



The portrait is that of Dr. John Rumney, deceased. All wording except "Dr. Rumney's" and "Mentholyptus" is disclaimed.
For Snuff.
Claims use since Dec. 30, 1930, in Great Britain; and was first used in commerce between the United States and Great Britain on Feb. 28, 1950.

Ser. No. 597,840. Petri Wine Company, doing business as Petri Cigar Company, San Francisco, Calif. Filed May 20, 1950. (Sec. 2f.)

PETRI

Applicant claims ownership of Registrations Nos. 329,380, 345,628, 357,801, 387,223, and 405,803.
For Cigars, Cigarettes, and Smoking and Chewing Tobacco.
Claims use since 1891.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 546,283. Demco, Inc., Denver, Colo. Filed Jan. 6, 1948. (Sec. 2f.)

MEDICATED
DENVER MUD

For Medicated Plastic Dressing for the Relief of Inflammation.
Claims use since June 1904.

Ser. No. 566,629. McNeil Laboratories, Incorporated, Philadelphia, Pa. Filed Oct. 7, 1948.

MER-DIAZINE

For Emulsion-Like Liquid Preparation Containing Sulfamerazine and Sulfadiazine, Used as a Bacteriostatic in Inhibiting Infections.
Claims use since Jan. 20, 1947.

Ser. No. 584,355. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Sept. 1, 1949.

MENDITRON

For Hormone Preparation.
Claims use since Aug. 23, 1949.

Ser. No. 585,441. Dawe's Manufacturing Company, Chicago, Ill. Filed Sept. 28, 1949.

SUPERFORT

For Vitamin and Protein Supplement Adapted for Use as an Ingredient of Feeds for Commercially Fed Animals and Poultry, Including Chickens, Turkeys, Ducks, Geese, Pigs, Cattle, Dogs, Foxes, Mink, Horses, Hatchery Fish, and Pigeons.
Claims use since Apr. 29, 1949.

Ser. No. 594,373. Edgar A. Ferguson, Brooklyn, N. Y. Filed Mar. 22, 1950.

FOXALIN

For Digitoxin Preparations.
Claims use since Feb. 16, 1950.

Ser. No. 599,868. Foley & Company, Chicago, Ill. Filed June 28, 1950.

QUIT-IT

For Throat Lozenges.
Claims use since June 6, 1950.

Ser. No. 606,187. Wyeth Incorporated, Philadelphia, Pa. Filed Nov. 9, 1950.

WYPROF

Applicant claims ownership of Registration No. 318,766.
For Vitamin B_{12} in Dosage Form.
Claims use since Oct. 20, 1950.

CLASS 19

VEHICLES

Ser. No. 541,404. Coast-In Pontiac Co., Inc., Washington, D. C. Filed Nov. 17, 1947.

Cipco Says

For New and Used Automotive Vehicles—Namely, Automobiles and Highway Trucks, and Structural Parts Therefor.
Claims use since October 1946.

Ser. No. 583,070. The Allbright-Nell Company, Chicago, Ill. Filed Aug. 6, 1949.



The drawing is lined to indicate red.
For Packing House Equipment—Namely, Meat Trucks, Condemned Products Trucks, Spice Trucks, Meat Pan Trucks, Oleo Seeding Trucks, Ham and Bacon Trucks, Perforated Retort Trucks, Cattle Head Trucks, Paunch Trucks, Boiled Ham Trucks, Pork Loin Trucks, Sausage Hanging Trucks, Sausage Stick Trucks, Liver Trucks, and Barrel Trucks.
Claims use since 1918.

Ser. No. 591,117. The Standard Motor Company Limited, Coventry, England. Filed Jan. 19, 1950.



Applicant claims ownership of British Registration No. 432,867, dated Dec. 30, 1922.
For Motor Cars.

Ser. No. 599,201. Triumph Engineering Company Limited, Coventry, England. Filed June 15, 1950.

TRIUMPH

Applicant claims ownership of British Registration No. 323,317, dated Apr. 30, 1910.
For Motor Cycles.

Ser. No. 608,313. Irwin Foundry & Mine Car Company, Irwin, Pa. Filed Jan. 3, 1951. (Sec. 2f as to "Irwin.")

SAF T CAR
IRWIN

The words "Saf T Car" are disclaimed.
For Mine Cars, Industrial Cars, Kiln Cars, and Tram Cars.
Claims use since Oct. 1, 1950, on the mark as shown; and since 1927 on the word "Irwin."

Ser. No. 608,314. Irwin Foundry & Mine Car Company, Irwin, Pa. Filed Jan. 3, 1951. (Sec. 2f as to the name "Irwin.")



The wording "Saf T Car" insofar as it may be considered the phonetic equivalent of "Safety Car" is disclaimed.
For Mine Cars, Industrial Cars, Kiln Cars, and Tram Cars.
Claims use since Oct. 1, 1950, as shown; and since 1927 as to "Irwin."

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 566,206. Louis Beck, Jr., doing business as Beck Equipment Company, Cleveland, Ohio. Filed Oct. 1, 1948.

DUALHEET

For Electrically Operated Heating Apparatus for Use in Conjunction With Paint Spraying and Similar Apparatus.
Claims use since Sept. 2, 1948.

Ser. No. 601,483. Swift Electric Welder Company, Detroit, Mich. Filed July 29, 1950. (Sec. 2f.)

SWIFT

Applicant claims ownership of Registration No. 274,330.
For Electric Welding Machinery Consisting of Spot Welders, Butt Welders, Flash Welders, Seam Welders, Chain Welders, Projection Welders, Weld Flash Trimming Machines, and Special Welding Machines.
Claims use since Aug. 1, 1925.

Ser. No. 603,531. Independent Protection Co. Inc., Goshen, Ind. Filed Sept. 14, 1950.

IPC

For Lightning Protection Apparatus and Parts Thereof—Namely, Lightning Protector Cable, Lightning Rods, Lightning Rod Tips, Lightning Rod Mounting Saddles, Point Supports and Braces, Cable Splices, Couplers, Connectors, Clamps, Fasteners and Anchors, Water Pipe Connectors, Ground Rods, Lightning Rod Tip Ornaments, and Water Pipe Cable Connectors.
Claims use since April 1934.

Ser. No. 606,291. GHN Neon Co., Culver City, Calif. Filed Nov. 13, 1950.

GHN neon

The drawing is lined for red.
For Electric Signs and Transformers Employed Therein.
Claims use since Feb. 12, 1948.

Ser. No. 611,734. Edwards Company, Inc., Norwalk, Conn. Filed Mar. 24, 1951.

CHORDETTE

For Electric Signal Chimes and Electric Door Chimes.
Claims use since April 1947.

Ser. No. 612,091. Sears, Roebuck and Co., Chicago, Ill. Filed Mar. 31, 1951.

HARMONY HOUSE

Applicant claims ownership of Registrations Nos. 515,690 and 522,972.
For Electric Blankets, Lamp Shades, and Electrical Lighting Apparatus—Namely, Lighting Fixtures of the Wall and Ceiling Type for Fluorescent and Incandescent Lamps for Indoor and Outdoor Use, Floor Lamps, Table Lamps, and Pinup Lamps.
Claims use since July 15, 1946.

Ser. No. 612,106. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 2, 1951.

AMARINE

For Electrical Wires and Cables.
Claims use since Nov. 25, 1939.

Ser. No. 612,107. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 2, 1951.

AMERBESTOS

For Electrical Wires and Cables.
Claims use since Apr. 23, 1935.

Ser. No. 612,109. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 2, 1951.

AMERGRAPH

For Electrical Wires and Cables.
Claims use since Nov. 20, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 594,382. Kathryn Kelley Recordcraft, Bedford Hills, N. Y. Filed Mar. 22, 1950.

Kathryn Kelley RECORDCRAFT

The word "Recordcraft" and the design of a doll are disclaimed. The name "Kathryn Kelley" is the name of a member of the applicant firm, consent is given.
For Toy Sewing Kit for Doll Outfits and Doll Clothes Patterns.
Claims use since Sept. 7, 1949.

Ser. No. 599,138. George Wintriss, New York, N. Y. Filed June 14, 1950.

MASTER VOICES

The word "Voices" is disclaimed.
For Reed Type Sound Makers Adapted for Use in Toy Horns, Dolls, Toy Rubber Animals, and Similar Toy Devices.
Claims use since May 23, 1950.

Ser. No. 599,915. J. B. Wood, doing business under the trade name of Wood Manufacturing Co., El Dorado, Ark. Filed June 28, 1950.

SMOKEY JOE

For Artificial Fish Lures.
Claims use since Sept. 15, 1937.

Ser. No. 600,940. Anderson and Johnson, Chicago, Ill. Filed July 20, 1950.

LITTLE OSCAR

For Fish Hook Especially Adapted to Carry Various Types of Bait.
Claims use since May 1, 1950.

Ser. No. 611,366. Ann E. Mohr, New York, N. Y. Filed Mar. 15, 1951.

HEIRLOOM

The representation of the goods is disclaimed.
For Toy Gift Stockings Designed to Hold Toys and Gifts.
Claims use since Dec. 23, 1950.

Ser. No. 613,629. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed May 8, 1951.

Du-Pak

The word "Pak" is disclaimed.
For Bowling Bags.
Claims use since Aug. 1, 1950.

Ser. No. 614,206. Kotake Company, Limited, Honolulu, Territory of Hawaii. Filed May 22, 1951.



The Japanese characters denote the word "Kintengu" meaning "Golden Superman." Applicant claims ownership of Registration No. 539,022.
For Playing Cards—Namely, Cards for the Japanese Game, Hanafuda.
Claims use since Oct. 26, 1947.

Ser. No. 614,220. S. W. Smith, Rio Vista, Calif. Filed May 22, 1951.

"PRESSET"

For Appliances Used in Fishing—Namely, Fishing Hooks and Connectors for Connecting Fishing Hooks With Fishing Lines, and Fishing Leaders.
Claims use since May 14, 1951.

Ser. No. 614,737. American Character Doll Co., New York, N. Y. Filed June 5, 1951.

Sonny Boy

The word "Boy" is disclaimed.
For Dolls.
Claims use since Feb. 20, 1951.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 550,399. Farm Tools, Inc., Mansfield, Ohio. Filed Feb. 24, 1948.



The drawing is lined for the colors yellow, orange, and silver.
For Rotary Cultivators.
Claims use since Feb. 1, 1943.

Ser. No. 559,112. R. E. Morris Company, Inc., Waterloo, Iowa. Filed June 12, 1948.

Nu Way

For Spraying Apparatus Mounted on a Mobile Vehicle Adapted To Disseminate Insecticides and Compositions for Weed Control.
Claims use since August 1947.

Ser. No. 567,927. Shapleigh Hardware Company, St. Louis, Mo. Filed Oct. 30, 1948.

DIAMOND EDGE

The word "Edge" is disclaimed.
For Saws of All Kinds.
Claims use since 1880.

Ser. No. 570,387. "Sonapar", Société de Participation, Société Anonyme, Luxemburg, Luxemburg. Filed Dec. 11, 1948.

FORCIN

Applicant claims ownership of Luxemburg Registration No. 10,782, dated Sept. 29, 1948.
For Machines for Sawing, Cutting, Polishing and Drilling Rock and Stones for Use in Work Shops and Yards in the Construction of Bridges, Viaducts, Tunnels, Roads, Pavements, Dams, and the Like.

Ser. No. 573,517. The Wyeth-Scott Company, Newark, Ohio. Filed Feb. 8, 1949.



The representation of the goods is disclaimed.
For Hand Operated, Cable-Type Power Pullers for General Use.
Claims use since Jan. 3, 1949.

Ser. No. 579,267. Cook Bros. Equipment Co., Los Angeles, Calif. Filed May 21, 1949.

GEAR SPLITTER

The term "Gear" is disclaimed.
For Auxiliary Transmission Mechanisms for Motor Vehicles.
Claims use since Feb. 25, 1949.

Ser. No. 581,367. Sears, Roebuck and Co., Chicago, Ill. Filed June 30, 1949.



Any representation of these goods in the mark is disclaimed. Applicant claims ownership of Registrations Nos. 310,470, 381,184, and 333,512.
For Hand Operated Insecticide, Herbicide and Fungicide Sprayers, Portable Wheeled Sprayers—Group A; Garden Cultivators, Garden Cultivator Shovels, Garden Seeders, Garden Dusters, Weed Burners (Compressed Air Gasoline Flame Throwers), Fertilizer and Seed Spreaders—Group B.
Claims use since July 15, 1948.

Ser. No. 581,480. Hubbard and Company, Pittsburgh, Pa. Filed July 2, 1949.



The lines shown in the drawing form a part of the mark and do not indicate color.
For Tools and Similar Devices—Namely, Mauls, Hammers, Sledges, Mattocks, Picks, Hoes, Wedges, Bars, Crowbars, Spike Bars, Digging Bars, Tamping Bars, Wrenches, Punches, Chisels, Drift Pins, Fullers, Tongs, and Rail Forks.
Claims use since July 20, 1948.

Ser. No. 583,856. Necchi Sewing Machine Sales Corp., New York, N. Y. Filed Oct. 6, 1949.



The representation of the sewing machine is disclaimed.
For Sewing Machines, and Sewing Machine Parts.
Claims use since July 18, 1949.

Ser. No. 588,099. King Hardware Company, Atlanta, Ga. Filed Nov. 19, 1949.



For Axes, Adzes, Hatchets, Hand Saws, Auger Bits, Screw Driver Bits, Nail Sets, Counter Sinks, Socket Chisels, Drawing Knives, Files, Grass Hooks, Hoe Handles, Shovel Handles, Spades, Cultivators, Guano Distributors, Cast Plows, Plow Stocks, Steel Beam Plows, Butcher Knives, Pocket Knives, Scissors, Churns, Food Choppers, and Table Cutlery—Namely, Knives, Forks and Spoons, and Carving Knives, Carving Forks, and Knife Sharpening Steels.
Claims use since January 1905.

Ser. No. 589,496. The V. D. Anderson Company, Cleveland, Ohio. Filed Dec. 17, 1949.

Anderloy

For Power Driven Presses for the Extraction of Liquids From Oil-Bearing and Fat-Bearing Organic Material, and Structural Parts Thereof.
Claims use since December 1948.

Ser. No. 594,115. Geary-Jennings, Los Angeles, Calif. Filed Mar. 17, 1950. (Sec. 2f.)

GEARY-JENNINGS SAMPLER

The word "Sampler" is disclaimed.
For Combined Automatic Samplers and Transferring Devices in the Nature of a Machine for Taking Samples From a Stream of Material To Be Tested.
Claims use since October 1928.

Ser. No. 604,188. Bostrom Manufacturing Company, Milwaukee, Wis. Filed Sept. 29, 1950.

BODYGUARD

For Seat Mountings and Suspensions, Seats and Seat Cushions for Use on Tractors and on Earth-Moving Equipment.
Claims use since Sept. 18, 1950.

Ser. No. 605,620. W-L Molding Company, Kalamazoo, Mich. Filed Oct. 30, 1950.

Sturdico

The drawing is lined for shading. Applicant claims ownership of Registration No. 519,917.
For Bearings and Rollers—Namely, Lubricant Impregnated Plastic Rollers, for Supporting Metal File and Stove Drawers.
Claims use since Oct. 19, 1949.

Ser. No. 606,077. Hudson Motor Car Company, Detroit, Mich. Filed Nov. 8, 1950.

H-145

The numerals "145" are disclaimed.
For Internal Combustion Engines.
Claims use since Sept. 21, 1950.

Ser. No. 606,476. Kroll Trading Co., New York, N. Y. Filed Nov. 16, 1950.

LITTLE BUTCH

For Pocket Knives.
Claims use since Sept. 7, 1950.

Ser. No. 607,267. Scovill Manufacturing Company, Waterbury, Conn. Filed Dec. 4, 1950.

ClampAIR

The term "Air" is disclaimed.
For Air Cylinders.
Claims use since Nov. 3, 1950.

Ser. No. 609,816. The E. T. Rugg Company, Newark, Ohio. Filed Feb. 8, 1951.



For Lawn Mowers.
Claims use since Aug. 1, 1949.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 602,779. Samuel L. Rubin, doing business as Artko Mfrs., Chicago, Ill. Filed Aug. 25, 1950.

ARTKO

For Dry Cleaning Garment Finisher Used for Steaming, Drying, and Inspecting Garments Which Have Been Dry Cleaned.
Claims use since July 7, 1950.

CLASS 26

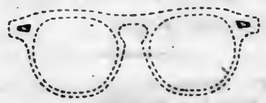
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 570,650. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 16, 1948. (Sec. 2f.)

DUNLAP

For Miter Boxes, Levels, Squares, Plumb Bobs, Rules, Measuring Tapes, Calipers, Feeler Gauges, Protractors.
Claims use since July 15, 1937.

Ser. No. 570,901. Lord Optical Manufacturing Corporation, New York, N. Y. Filed Dec. 21, 1948.



The outline representation of the optical frame is disclaimed. Said trade-mark consists of a pair of complementarily formed shields or plates, or representations thereof, each in the form of a trapezium in which three of its four angles are obtuse or substantially so, leaving the fourth angle acute. When used at the front of the spectacle frame, each shield or plate is disposed with the long axis thereof generally horizontal, and with the corner having the acute angle pointing upwardly and inwardly.
For Spectacle Frames.
Claims use since Nov. 6, 1948.

Ser. No. 583,071. The Allbright-Nell Company, Chicago, Ill. Filed Aug. 6, 1949.



The drawing is lined to indicate red.
For Packing House Equipment—Namely, Sausage Measuring Fillers, Combination Measuring and Filling Apparatus.
Claims use since 1918.

Ser. No. 583,485. Sam May, doing business as Changemaster Eng. Co., Dallas, Tex. Filed Aug. 15, 1949.



The term "Fast Action" is disclaimed.
For Automatic Coin Changing Machines.
Claims use since Apr. 1, 1949.

Ser. No. 583,724. Arma Corporation, Brooklyn, N. Y. Filed Aug. 20, 1949.

ARMA

For Navigation Instruments—Namely, Gyrocompasses and Dead Reckoning Instruments; Ordnance Instruments—Namely, Stable Elements, Stable Verticals and Gun Directors; Calculating Apparatus—Namely, Torpedo Data Computers, Roll and Pitch Converters, Analog Computers, Electrical Resolvers, and Induction Potentiometers.
Claims use since 1918.

Ser. No. 587,368. Taylor Instrument Companies, Rochester, N. Y. Filed Nov. 4, 1949.

TRANSAIRE

For Fluid Actuated Instrument for Measuring the Temperature or Pressure Value of a Medium and Converting This Measurement Into a Corresponding Pneumatic

Pressure for Actuating a Pneumatically Operated Receiver for Indicating, Recording, or Controlling of the Measured Value.
Claims use since July 19, 1949.

Ser. No. 602,812. Mitropa Corporation of New York, New York, N. Y. Filed Aug. 26, 1950.

Sixtomat

For Photoelectric Exposure Meter.
Claims use since July 7, 1950.

Ser. No. 603,805. Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Filed Sept. 20, 1950.

Users Unlimited

For Motion Pictures for Educational and Advertising Purposes.
Claims use since Jan. 10, 1943.

Ser. No. 603,997. Gulf Coast Films, Inc., Houston, Tex. Filed Sept. 26, 1950.



The words "Houston" and "Films" and the representation of the camera are disclaimed.
For Motion Pictures.
Claims use since Dec. 19, 1949.

Ser. No. 605,093. Gerald C. Francis, Lansing, Mich. Filed Oct. 18, 1950.

I. F. R. FLIGHT

The word "Flight" is disclaimed.
For Optical Instrument and Parts Thereof Consisting of a Goggle Type Periscope Sighting Instrument for Attachment to the Head of a Pilot To Limit His Vision to the Instrument Panel of an Airplane, and Employed in the Teaching and Testing of Pilots in the Art of Instrument Operation of an Airplane.
Claims use since Jan. 2, 1950.

Ser. No. 607,098. RIV—Officine di Villar Perosa Società per Azioni, Turin, Italy. Filed Nov. 29, 1950.

RIV

Applicant claims ownership of Italian Registration No. 84,847, registered on Jan. 11, 1949 (renewal of Trade-Mark No. 58,598, dated Jan. 19, 1939).
For Cash Registers.

Ser. No. 609,109. The Technicon Company, New York, N. Y. Filed Jan. 22, 1951.

technicon

Applicant claims ownership of Registrations Nos. 407,208, 435,532, and others.
For Apparatus for Collecting Fractions or Samples of Materials for Chromatographic Analysis or Other Purposes, and Accessories Therefor—Namely, Drop-Counter Control Units, Drop-Counter Multiplying Device, Totalising Counters, and Multiple Funnel Supports.
Claims use since Jan. 7, 1948.

Ser. No. 609,163. Charles Bruning Company Inc., New York, N. Y. Filed Jan. 24, 1951.

PHOTOLINE

For Photographic Material—Namely, Sensitized Papers and Cloths.
Claims use since Jan. 2, 1951.

Ser. No. 610,198. Bausch & Lomb Optical Company, Rochester, N. Y. Filed Feb. 17, 1951.

CARTOGON

For Photographic Objective Lenses.
Claims use since Feb. 8, 1951.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 584,792. A. Blumstein, Inc., New York, N. Y. Filed Sept. 14, 1949.



The name "Lucien Piccard" is fictitious and represents the name of no known living person. The representation of various watch parts is disclaimed. Applicant claims ownership of Registration No. 512,049.
For Watches, Watch Movements, and Parts Thereof.
Claims use since January 1945.

Ser. No. 603,183. Compagnie Electro-Mecanique, Paris, France. Filed Sept. 6, 1950.

CARAT

Applicant claims ownership of French Registration No. 457,513, dated Sept. 9, 1949.
For Watches, Clocks, Chronometers, and Parts Thereof.

Ser. No. 606,938. Felca S. A., Grenchen, Switzerland Filed Nov. 25, 1950.

Texa

Applicant claims ownership of Swiss Registration No. 123,921, dated Feb. 12, 1948.
For Watches and Clocks

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 579,812. Forstner Chain Corporation, Irvington, N. J. Filed June 1, 1949. (Sec. 2f.)

Forstner

For Jewelry for Personal Adornment, Not Including Watches—Namely, Bracelets, Pendants, Watch Chains, Watch Bracelets, Wrist Watch Straps, Neck Chains, Lockets, Brooches, Scarf Pins, Earrings, Hair Ornaments, Fobs, Belt Buckles, Collar Holders, Collar Buttons, Necktie Holders, Cuff Links, Shirt Studs, Key Chains, Key Rings, Money Clips, and Finger Rings, Made in Whole of, in Part of, or Plated With Precious Metal.
Claims use since Jan. 1, 1937.

Ser. No. 585,196. Swiss Watch Dial Co., Inc., New York, N. Y. Filed Sept. 22, 1949.

DREMA

For Wrist-Bands for Wrist Watches.
Claims use since Feb. 10, 1949.

Ser. No. 605,242. Swiss Watch Dial Co., Inc., New York, N. Y. Filed Oct. 20, 1950.

Suave

For Wrist-Bands for Wrist Watches.
Claims use since Aug. 7, 1950.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 586,199. Società Ceramica Richard-Ginori, Milan, Italy. Filed Oct. 12, 1949.



Applicant claims ownership of Italian Registration No. 90,199, dated Jan. 22, 1944.
For Vases, Trays, Cups, Plates, Bottles, Jars, Dishes, Center Pieces, Ornamented Tiles, Small Covered Boxes for Jewelry, Candy, and the Like, All Said Goods Being Made of Earthenware and Porcelain.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 540,200. Petroleum Accessories, Inc., Dertoit, Mich. Filed Nov. 3, 1947.

MICRO PAK

The word "Pak" is disclaimed.
For Mechanical Straining and Filtering Units for Use on Petroleum Dispensing Equipment for Removal of Foreign Materials in Micronic Sizes From Petroleum Products Dispensed From Such Equipment.
Claims use since Oct. 10, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 592,593. Amertex Manufacturing Company, Inc., New York, N. Y. Filed Feb. 17, 1950.

Wonder Foam

The word "Foam" is disclaimed.
For Pillows Made of Latex Foam Rubber.
Claims use since Dec. 15, 1949.

Ser. No. 593,448. Sealy, Incorporated, Chicago, Ill. Filed Mar. 4, 1950.

SLEEP JOY

For Mattresses and Box Springs.
Claims use since Aug. 6, 1937.

Ser. No. 605,756. New England Bedding Company, Medford, Mass. Filed Nov. 1, 1950.

SAV-A-CHAIR

"Chair" is disclaimed. Applicant claims ownership of Registration No. 527,255.
For Chairs.
Claims use since July 1950.

Ser. No. 608,665. Neptune Specialties, Inc., Brooklyn, N. Y. Filed Jan. 11, 1951.

NEPTUNE

For Small, Individual, Waterproof Plastic Covered, Decorative Seat Cushions for Casual Use on Small Pleasure Boats and Canoes.
Claims use since February 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 561,908. Dohrmann Hotel Supply Co., San Francisco, Calif. Filed July 22, 1948.



The terms "Xtractaire" and "Dohrmann Hotel Supply Co." are disclaimed.
For Ventilators for Cooking Equipment.
Claims use since May 7, 1948.

Ser. No. 571,098. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 24, 1948. (Sec. 2f.)

DUNLAP

For Blow Torches and Plumbers' Portable Blast Furnaces.
Claims use since July 15, 1937.

Ser. No. 578,470. Vesuvius Crucible Company, Swissvale, Pa. Filed May 9, 1949.

VESUVIUS

Applicant claims ownership of Registration No. 128,558.
For Ladle Stoppers for Molten Metal Ladles and Crucibles.
Claims use since 1917.

Ser. No. 581,562. Novadel-Agene Corporation, Belleville, N. J. Filed July 6, 1949.

Dyox

For Apparatus for Generating and Delivering Reagent Gas Such as Chlorine Dioxide Gas in Diluted Form—Namely, Apparatus Which Is Adapted for Industrial Use and Which Comprises Gas-Producing Means Adapted To Be Supplied With Chemical Material and To Produce Such Gas in Sufficient Quantity as Required for Industrial Processing Operations With the Gas.
Claims use since Feb. 4, 1949.

Ser. No. 603,989. John G. Frost, doing business under the name of Superior Engineering Company, Seattle, Wash. Filed Sept. 26, 1950.

VISCOS-O-TROL

The word "Viscos" is disclaimed.
For Fuel Oil Heaters.
Claims use since May 10, 1949.

Ser. No. 606,105. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")



Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For Heating, Lighting, and Ventilating Apparatus, Supplies and Parts Therefor—Namely, Lighting Fixtures and Luminaires; Glass Globes; Coal Furnaces and Boilers; Gas Furnaces and Boilers; Oil Furnaces and Boilers; Oil Burners for Furnaces and Humidifiers for Furnaces; Air Conditioners; Heaters; Heating and Cooling Coils; Dehumidifiers; Atmosphere Correcting Gas Converters for Heat-Treating Furnaces; Steam and Vapor Condensers; Stokers and Stoker Parts; Steam Condensers and Counterflow and Crossflow Heat Exchangers and Air Conditioners; Blower and Radiator Type Unit Heaters; Air Heaters for Furnaces and Drying and Conditioning Purposes; Drying and Conditioning Kilns; Ventilating and Exhaust Fans; and Steam Coils for Heating Purposes.
Claims use since June 1, 1941.

Ser. No. 611,384. Thermo-Rite Manufacturing Company, Akron, Ohio. Filed Mar. 15, 1951.

THERMO-RITE

Applicant claims ownership of Registration No. 424,917.
For Fireplace Fixture or Front Consisting of a Metal and Glass Screen for Radiating Heat.
Claims use since Nov. 17, 1947.

Ser. No. 611,715. Norman Products Company, Columbus, Ohio. Filed Mar. 23, 1951. (Sec. 2f as to "Norman.")
Applicant claims ownership of Registration No. 99,456.

Norman Three Sixty

For Gas-Fired, Forced Air Unit Heater.
Claims use since Sept. 26, 1950, as to the mark shown; and since 1859 as to "Norman."

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 546,583. The Fred. Gretsch Manufacturing Co., Brooklyn, N. Y. Filed Jan. 9, 1948. (Sec. 2f.)



The mark is not the name of any particular living individual. Applicant claims ownership of Registration No. 184,722.
For Musical Instruments—Vis., Clarinets, Flutes, Bass Clarinets, Alto Clarinets, Oboes, Bassoons, and Reeds, and Trimmings, and Parts Therefor.
Claims use since 1910.

Ser. No. 605,205. Excelsior Accordions, Inc., New York, N. Y. Filed Oct. 20, 1950.

EXCELSIOR

Applicant claims ownership of Registrations Nos. 318,244 and 318,245.
For Accordions.
Claims use since June 1, 1924.

CLASS 37

PAPER AND STATIONERY

Ser. No. 564,664. Straubel Paper Co., Green Bay, Wis. Filed Sept. 3, 1948.

"Go-Dust"

The word "Dust" is disclaimed.
For Dusting Tissue.
Claims use since June 3, 1948.

Ser. No. 602,673. The Chicago Desk Pad Company, Inc., Chicago, Ill. Filed Aug. 24, 1950.



The word "Line" and the representation of the desk pad are disclaimed.
For Desk Pads, Typewriter Pads, Phone Book Covers, Salesman's Display Binders.
Claims use since July 24, 1950.

Ser. No. 608,931. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Jan. 18, 1951.

Camellia

For Wrapping Paper and Butchers Paper.
Claims use since Aug. 23, 1949.

Ser. No. 608,934. Hoffmaster Paper Company, Inc., Oshkosh, Wis. Filed Jan. 18, 1951.



For Embossed Folded Paper Napkins.
Claims use since June 9, 1950.

Ser. No. 609,510. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

FENWAY

For Printing Paper.
Claims use since 1923.

Ser. No. 609,512. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

MATTAPAN

For Printing and Writing Paper.
Claims use since 1915.

Ser. No. 609,513. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

CRINOLINE

For Printing Paper.
Claims use since 1926.

Ser. No. 609,515. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

TIHO

For Printing and Writing Paper.
Claims use since 1923.

Ser. No. 609,516. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

MIMEO-LITH

For Printing and Writing Paper.
Claims use since Dec. 13, 1948.

Ser. No. 609,517. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951.

T&H

For Printing and Writing Paper.
Claims use since June 1915.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 596,353. A. R. Mueller, doing business as A. R. Mueller Printing & Lithograph Co., Cleveland, Ohio. Filed Apr. 26, 1950.

CHILDREN'S PLAY MATE MAGAZINE

The word "Magazine" is disclaimed.
For Magazine.
Claims use since June 1929.

Ser. No. 597,425. Foster Wheeler Corporation, New York, N. Y. Filed May 13, 1950. (Sec. 2f.)

HEAT ENGINEERING

For Periodical Publication.
Claims use since May 1925.

Ser. No. 598,619. United States Safety Service Co., Kansas City, Mo. Filed June 5, 1950.

vulnerable
WITHOUT PROTECTION

For Brochure of Facts and Material Pertaining to Safety and Safety Appliances Published From Time to Time.
Claims use since Apr. 28, 1950.

Ser. No. 601,634. Macfadden Publications, Inc., New York, N. Y. Filed Aug. 2, 1950. (Sec. 2f.)

PHOTOPLAY

For Monthly Magazine.
Claims use since Oct. 25, 1934.

Ser. No. 601,811. The Spool Cotton Company, New York, N. Y. Filed Aug. 5, 1950.

PRISCILLA

For Printed Instruction Leaflets.
Claims use since Aug. 1, 1884.

Ser. No. 602,046. Scientific Photo Corp., Queens Village, N. Y. Filed Dec. 23, 1950.

Cerama

For Printed Photographs on Baked Translucent Plastic.
Claims use since Nov. 30, 1950.

Ser. No. 602,112. A. J. Holman Company, Philadelphia, Pa. Filed Dec. 27, 1950. (Sec. 2f as to "Holman.")

HOLMAN KEY TESTAMENT

The word "Testament" is disclaimed. The drawing is lined for red.
For Bibles.
Claims use since Nov. 20, 1950, as shown; and since 1872 as to "Holman."

Ser. No. 602,130. Terrytoons, Inc., New Rochelle, N. Y. Filed Dec. 27, 1950.

WEATHER BEARS

For Comic Strips in Comic Magazines.
Claims use since Oct. 24, 1950.

CLASS 39

CLOTHING

Ser. No. 530,098. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Filed July 31, 1947.

KLINGER

For Rubber and Fabric Sport Shoes for Men.
Claims use since Jan. 9, 1935.

Ser. No. 533,927. L. N. Schwartz & Sons, Inc., Philadelphia, Pa. Filed Sept. 9, 1947.

Dandy

For Leather Shoes, Leather Moccasins, and Athletic Footwear Made of Leather for Men, Women, and Children—Namely, Roller and Ice Skating Shoes, and Shoes Worn by Baseball Players, Basketball Players, Bowlers, Boxers, Football Players, and Runners.
Claims use since July 30, 1947.

Ser. No. 556,215. O'Sullivan Rubber Corporation, Winchester, Va. Filed May 4, 1948. (Sec. 2f.)



The words "Safety Cushion Heel" are disclaimed.
For Rubber Heels and Soles for Boots and Shoes.
Claims use since 1896.

Ser. No. 558,662. Nicole Sportswear, Inc., New York, N. Y. Filed June 7, 1948.

Nicole

For Blouses and Skirts.
Claims use since March 1946.

Ser. No. 572,453. A. Sagner's Son, Baltimore, Md. Filed Jan. 19, 1949.

NORTH BREEZE

Applicant claims ownership of Registrations Nos. 375,258 and 407,981.
For Men's and Women's Coats and Suits; Men's Trousers, Dress and Work Shirts, and Neckties.
Claims use since Dec. 17, 1948.

Ser. No. 585,878. Moses Wolf, doing business as H. Wolf & Sons, Cincinnati, Ohio. Filed Oct. 6, 1949.



Applicant claims ownership of Registration No. 156,563.
For Men's and Boys' Undershirts, Drawers, Unionsuits, and Men's, Women's, and Children's Hosiery.
Claims use since Jan. 1, 1908.

Ser. No. 586,289. S. H. Kress and Company, New York, N. Y. Filed Oct. 14, 1949.

BEAU BRUMMEL

The name "Beau Brummel" is fanciful. Applicant claims ownership of Registration No. 268,762.
For Men's Knitted and Textile Underwear.
Claims use since Sept. 1, 1929.

Ser. No. 586,451. Aldens, Inc., Chicago, Ill. Filed Oct. 18, 1949.

ALDENBILT

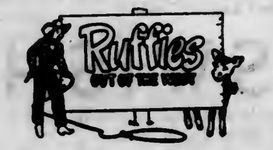
Applicant claims ownership of Registrations Nos. 406,733, 405,392, and others.
For Men's and Young Men's Work Clothing—Namely, Overalls, Coveralls, Jumpers, Jackets, Dungarees, Work Shirts, Shirt and Pants Suits, Jacket and Pants Suits, Caps, Hats; Shoes of Leather, Rubber, and Fabric and Combinations of the Same; Rubber Boots, Suits, Coats, and Textile Underwear; Men's and Young Men's Sportswear—Namely, Riding Breeches, Slacks, Slack Suits, Sport Shirts, Rubber Hip Boots, Rubber Pacs, Leather Hunting and Fishing Boots, Hunting Coats and Breeches, Hunting Caps and Vests, Bowling Shirts, T-Shirts, Sweat Shirts, Sweat Pants, Gym Trunks, Baseball Uniforms, and Bowling, Baseball, Basketball, Gym, Football, Skating and Golf Shoes of Leather, Rubber and Fabric, and Combinations of the Same.
Claims use since June 23, 1947.

Ser. No. 589,120. William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Filed Dec. 9, 1949.

ORLANDO

For Men's, Women's, Misses', and Children's Caps; Hats; Shoes of Leather, Calfskin, Satin, Brocade, Snakeskin and Kid; Gloves of Fabric, Leather, and Combinations Thereof; Riding Breeches, Riding Habits, Sport Coats, Bathing Suits, Beach Robes, House Robes, Bath Robes, Suits, Coats, Overcoats, Raincoats, Sweaters, Knickers; Underwear of Knitted, Netted, and Textile Fabrics; Pajamas, Hosiery; Women's, Misses', and Children's Collar and Cuff Sets; Neckties, Belts for Outer Wear; Scarfs, Blouses, Smocks, Aprons, Skirts for Outer Wear, Dresses, Kimonos, Negligees; Lingerie—Namely, Dancing Sets and Costume Slips, Bloomers, Drawers, Vests, Chemises; Dress Slips, Petticoats, Nightgowns; Shawls, Children's Rompers; Wedding Gowns; Boys' and Men's Dress, Negligee, and Work Shirts and Undershirts; Ties, Collars, Mufflers, Smoking Jackets and Sweater Jackets; Nurses' Uniforms; Women's and Misses' Corsets, Brassières, Combination Corset and Brassière, and Bras; Men's and Children's Wear for Sports—Namely, Basketball, Baseball, Soccer, Track, Lacrosse, Boxing, and Football Uniforms; Women's and Misses' Shorts, and Slacks.
Claims use since 1925.

Ser. No. 592,830. Oklahoma Clothing Manufacturers, Oklahoma City, Okla. Filed Feb. 21, 1950.



For Jeans.
Claims use since May 5, 1947.

Ser. No. 595,003. Robert E. Smith, New York, N. Y., assignor to Kagran Corporation, New York, N. Y., a corporation of New York. Filed Mar. 31, 1950.

HOWDY DOODY

For Gloves and Mittens of Leather, Fabric, and Combinations Thereof.
Claims use since May 10, 1949.

Ser. No. 595,451. Concord Clothes, Inc., New York, N. Y. Filed Apr. 8, 1950.

Barryshire

For Women's, Men's, Young Men's, and Students' Clothing, Consisting of Suits, Overcoats, Leather Jackets, Leisure Coats, and Sport Jackets.
Claims use since September 1939.

Ser. No. 596,432. Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Filed Apr. 27, 1950.

LIQUA-FLEX

Applicant claims ownership of Registration No. 500,475.
For Footwear Made of Rubber and of Combinations of Rubber and Fabric—Namely, Boots, Gaiters, Overshoes, and Rubbers for Men, Women, and Children.
Claims use since Jan. 19, 1950.

Ser. No. 598,529. Girl Scouts of the United States of America, New York, N. Y. Filed June 3, 1950.



The word "Shoe" is disclaimed. Applicant claims ownership of Registration No. 56,942.
For Shoes for Girls.
Claims use since Jan. 13, 1950.

Ser. No. 602,930. I. Cohen & Sons Co., Inc., Boston, Mass. Filed Aug. 30, 1950. (Sec. 2f.)

Parke and Hagen

For Men's and Women's Shoes Made of Leather, Rubber, Fabric, Composition, and Combinations Thereof.
Claims use since June 15, 1938.

Ser. No. 603,010. Hayward Hosiery Company, Ipswich, Mass. Filed Aug. 31, 1950.

SWISH

For Hosiery for Women and Girls.
Claims use since Aug. 9, 1950.

Ser. No. 603,114. Lilly Dache, Inc., New York, N. Y. Filed Sept. 2, 1950.

Lilly DACHE

"Lilly Dache" is the name of a living individual whose consent to register is of record. Applicant claims ownership of Registrations Nos. 290,975, 298,420, 419,952, and 514,514.
For Women's Hosiery.
Claims use since Aug. 1, 1950.

Ser. No. 603,130. A. N. Saab Co., Inc., New York, N. Y. Filed Sept. 2, 1950.

Saabalon

Applicant claims ownership of Registration No. 327,272.
For Ladies' Gowns, Slips, Panties, Half Slips, Chemises, Bedjackets, Negligees, Peignoirs, and Blouses, and Children's Dresses and Undergarments.
Claims use since July 20, 1950.

Ser. No. 604,160. Riegel Textile Corporation, New York, N. Y. Filed Sept. 28, 1950.



For Work Gloves Made of Fabric and a Combination of Fabric and Leather.
Claims use since January 1936.

Ser. No. 605,739. Marian Halstead, Washington, D. C. Filed Nov. 1, 1950.

Flippant

For Undergarments for Feminine Wear—Namely, Foundation Garments, Panties, and Brassières.
Claims use since Oct. 3, 1950.

Ser. No. 605,989. Bryan Full Fashioned Mills, Chattanooga, Tenn. Filed Nov. 7, 1950.

BAGUETTE

For Hosiery for Women and Girls.
Claims use since Oct. 25, 1950.

Ser. No. 606,001. The Danbury Rubber Company, Inc., Danbury, Conn. Filed Nov. 7, 1950. (Sec. 2f as to "Danbury.")

DANBURY

Applicant claims ownership of Registration No. 430,550.
For Shoe Soles and Heels.
Claims use since spring season of 1928 on the word "Danbury"; and since January 1947 on the mark as shown.

Ser. No. 607,000. Bettermade Garment Company, Los Angeles, Calif. Filed Nov. 28, 1950.

ORIGINAL Ann Gray OF CALIFORNIA

The words "Original of California" are disclaimed. The name "Ann Gray" is fanciful. Applicant claims ownership of Registrations Nos. 353,888 and 410,652.
For Women's, Misses', and Juniors' Ready-to-Wear Clothing—Namely, Dresses, Suits, Coats, Jackets, Skirts, Sweaters, Jumpers, Slacks, Culottes and Play Suits; Pajamas, Bath Robes, and Lounging Robes.
Claims use since Dec. 2, 1936.

Ser. No. 607,107. H. Woods Company, San Francisco, Calif. Filed Nov. 29, 1950.

Gaieté

For Women's Hosiery.
Claims use since Oct. 3, 1950.

Ser. No. 607,959. Majestic Ladies Shop, Inc., New York, N. Y. Filed Dec. 21, 1950.

SOPRANO

For Ladies' Hosiery.
Claims use since June 5, 1950.

Ser. No. 607,960. Malone Knitting Company, Springfield, Mass. Filed Dec. 21, 1950.

Baby Buds

The word "Baby" is disclaimed.
For Infants' Underwear.
Claims use since Aug. 15, 1950.

Ser. No. 608,016. Premier Knitting Co. Inc., New York, N. Y. Filed Dec. 22, 1950.

LANKIRK

For Ladies' and Misses' Sweaters and Sweater Ensembles.
Claims use since March 1950.

Ser. No. 610,500. S & Z Manufacturing Co., Chicago, Ill. Filed Feb. 24, 1951. (Sec. 2f.)

SNIP-IT

Applicant claims ownership of Registration No. 387,461.
For Women's Slips.
Claims use since Jan. 2, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 575,705. Hy-Lite Plastic Co., New York, N. Y. Filed Mar. 19, 1949.

COLORITE BUTTONS
"Matched to your material"

The words "Buttons" and "Matched to Your Material" are disclaimed.
For Buttons in Bulk and on Cards.
Claims use since Oct. 6, 1948.

Ser. No. 608,899. Max H. Storch, New York, N. Y. Filed Jan. 17, 1951.

STORKLINE

For Baby Dresser Sets and Toilet Sets Made Up of Brushes and Combs.
Claims use since Jan. 2, 1951.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 603,442. The Finkel Umbrella Frame Company, Inc., New York, N. Y. Filed Sept. 12, 1950.



The representation of the umbrella is disclaimed.
For Umbrella Frames.
Claims use since December 1912.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 590,356. Elvic Import Corporation, New York, N. Y. Filed Jan. 3, 1950.

IMPERMEABLE

For Pure Silk Bridal Illusion, Silk Veilings, Silk Maline, and French Veilings.
Claims use since June 1, 1948.

Ser. No. 592,132. B. T. Crump Company, Inc., Richmond, Va. Filed Feb. 8, 1950.

Nuhyde

For Cotton Fabric Coated With a Plastic Compound Sold to Automotive Trim Shops for Making Automobile Seat Covers and for Covering Door and Quarter Panels of Automobiles.
Claims use since Jan. 15, 1950.

Ser. No. 606,950. Raxon Fabrics Corp., New York, N. Y. Filed Nov. 25, 1950.

BOB-TAILS

For Necktie Fabrics, of Silk and Rayon.
Claims use since Oct. 26, 1950.

Ser. No. 611,694. D. B. Fuller & Co., Inc., New York, N. Y. Filed Mar. 23, 1951.

SOLOLAH

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Aug. 14, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 555,522. Institutional Products Company, New York, N. Y., assignor to Institutional Products Corporation, New York, N. Y., a corporation of New York. Filed Apr. 24, 1948.



For Scalpels; Elastic and Non-Elastic Bandages; Surgical Dressings and Gauze; Adhesive Bandages; Absorbent Cotton; Surgical Gauze Bandages; Adhesive Plaster and Tape for Surgical Dressings; Cellulose for Surgical Dressings; Gauze, Swabs, and Sanitary Pads for General Hospital Use; Sanitary Napkins; Surgeon's Rubber Gloves;

Medicated Pillows; Refillable Hypodermic Syringes and Hypodermic Needles; Rubber Bulb Syringes and Rubber Bulbs for Syringes; Abdominal and Kidney Belts; Clinical Thermometers; First Aid Kits Containing Bandages, Iodine, Hydrogen Peroxide, Ointment, and Adhesive Tape; Crutches; Surgical and Medical Instruments—Namely, Tongs, Forceps, Pincers, Nippers, Knives, Scissors, Hooks, Chisels, and Spoons; Electrical Cauterising Apparatus for Surgical and Hospital Uses; Furniture for Sick Rooms and Hospitals—Namely, Stretchers, Bed Steads Constructed With Multi-Position Springs, Maternity Supports, Wheeling and Carrying Chairs, Self-Propelling Chairs, Invalid Chairs, Dissecting Tables, Examining and Operating Chairs, and Preparation and Operating Tables; Catheters; Hospital and Sick Room Apparatus Consisting of Oxygen Tents, Oxygen Chambers, and respirators for Use in the Treatment of Pneumonia, Cardiac Failure, Asthma, and Other Cardiac-Respiratory Disturbances; Hot Water Bottles, Electric Heating Bags, and Rubber Water Bottles for Therapeutic Purposes; Rubber Syringes and Rubber Air Cushions for the Alleviation of Pain; Surgical Needles; Rubber Gloves for Use in Autopsies; Surgical Ligatures and Sutures; Bed Pans and Sputum Flasks; and Medical and Surgical Face Masks.

Claims use since Feb. 15, 1946.

Ser. No. 585,695. The American White Cross Laboratories, Inc., New Rochelle, N. Y. Filed Oct. 3, 1949.

FOAM-HESIVE

The word "Foam" is disclaimed.
For Foam Rubber Coated With Zinc Oxide Adhesive Coating Covered by Protective Cloth Used in Chiropody.
Claims use since June 1, 1949.

Ser. No. 598,856. Joan-Doug Undergarment Co., Inc., New York, N. Y. Filed June 9, 1950.

"SAVABELT"

For Sanitary Napkin-Holding Panties.
Claims use since May 1, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 533,063. J. Hungerford Smith Co., Rochester, N. Y. Filed Sept. 2, 1947. (Sec. 2f.)

OLD FASHIONED

For Chocolate Syrup Used in Making Maltless Soft Drinks.
Claims use since January 1920.

Ser. No. 606,668. Francis H. Leggett & Company, New York, N. Y. Filed Nov. 20, 1950.

Premier

Applicant claims ownership of Registrations Nos. 165,591 and 310,915.
For Grape Juice, Apple Cider, and Soda Fountain Syrups Used in the Preparation of Soft Drinks.
Claims use since 1906.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 321,355. James W. McDonald, Wichita Falls, Tex. Original filed, act of 1905, Apr. 25, 1947; amended to application under act of 1946, Principal Register, Jan. 17, 1950.



The representation of the man is fanciful. The words "Your Local Used-Cow Dealer" are disclaimed.
For Cooked Animal Fats, Oils and Greases, and Meat Cake All for Use in Stock and Poultry Feed.
Claims use since Apr. 11, 1947.

Ser. No. 535,509. Edmundson-Duhe Rice Mill Company, Inc., Rayne, La. Filed Sept. 24, 1947.

Regent

For Rice.
Claims use since June 10, 1944.

Ser. No. 543,396. Armour and Company, Chicago, Ill. Filed Dec. 5, 1947.

SHIELD

For Lard.
Claims use since July 1, 1889.

Ser. No. 545,166. Puritan Mills, Atlanta, Ga. Filed Dec. 22, 1947.

PURITAN

For Poultry and Cattle Pellets Consisting Principally of Fish Products and Feed Grains; Rabbit Pellets Consisting Principally of Fish Products, Feed Grains and Dried Beet Pulp; Hog Feed Pellets Consisting Principally of Digestor Tankage, Feed Grains and Meals; Dairy Feeds Consisting Principally of Feed Grains.
Claims use since May 15, 1947.

Ser. No. 567,669. Western Maryland Dairy, Inc., and doing business sometimes under the name "Western Maryland Dairy," Baltimore, Md. Filed Oct. 26, 1948. (Sec. 2f.)

FAIRFIELD FARMS

Applicant claims ownership of Registration No. 270,377.
For Fluid Milk and Cream and Condensed Milk.
Claims use since Sept. 4, 1911.

Ser. No. 570,367. Kellogg Company, Battle Creek, Mich. Filed Dec. 11, 1948. (Sec. 2f.)

VARIETY

Applicant claims ownership of Registrations Nos. 406,354 and 422,049.
For Cereal Breakfast Foods.
Claims use since Nov. 1, 1938.

Ser. No. 574,338. Bowman Dairy Company, Chicago, Ill. Filed Feb. 23, 1949.

BOW PRIDE

For Fresh Eggs.
Claims use since Oct. 31, 1941.

Ser. No. 576,397. Fred Fear & Co., Brooklyn, N. Y., and elsewhere, by merger with Burton-Morrow Company, Inc. Filed Mar. 31, 1949. (Sec. 2f.)

MORROW'S

Applicant claims ownership of Registration No. 223,281.
For Flavoring Extracts for Food Purposes.
Claims use since February 1913.

Ser. No. 579,504. Lindsey-Robinson & Company, Inc., Roanoke, Va. Filed May 25, 1949. (Sec. 2f as to "Lindsey-Robinson.")



The words "Quality" and "Roanoke" are disclaimed. The drawing is lined for red but color is not claimed.
For Poultry and Livestock Feeds Consisting of Grains and Other Ingredients; and Dairy Rations Comprised of Soy Bean Oil Meal, Peanut Oil Meal, Cotton Seed Meal, and Other Ingredients.
Claims use since September 1941.

Ser. No. 582,878. Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Filed Aug. 3, 1949. CERTIFICATION MARK.



The words "Packers" and "Union Label" are disclaimed.
For Beef, Lamb, Veal, and Pork, and Products Therefrom
Claims use since June 27, 1949.

Ser. No. 584,423. Franklin C. Stroeck, doing business as Frank Sale Service, Inc., San Antonio, Tex. Filed Sept. 2, 1949.



The words "Pecan Stack" and "Candies" are disclaimed.
For Candy.
Claims use since Mar. 5, 1945.

Ser. No. 588,834. Jefferson Island Salt Company, Louisville, Ky. Filed Nov. 14, 1949.



The term "Self-Fed" is disclaimed. The drawing is lined for red and black.
For Stock Feeding Salt.
Claims use since Oct. 7, 1949, as to the mark shown; and since 1929 as to "Jefferson Island."

Ser. No. 593,034. The Mennel Milling Company, Fostoria and Toledo, Ohio. Filed Nov. 4, 1949.

CRACKER JACK

For Wheat Flour.
Claims use since Oct. 10, 1923.

Ser. No. 593,035. The Mennel Milling Company, Fostoria and Toledo, Ohio. Filed Nov. 4, 1949.

GENERAL FAVORITE

For Wheat Flour.
Claims use since Dec. 20, 1900.

Ser. No. 598,518. Benjamin Banowitz, doing business as B. & B. Enterprises, Chicago, Ill. Filed June 3, 1950.

T.V.TIME

For Combined Package of Raw Popcorn, Popping Oil—Namely, Coconut Oil—and Seasoning—Namely, Salt—for Use in Making Popped Corn.
Claims use since May 17, 1950.

Ser. No. 598,767. Veego Foods, Inc., Harrison, N. J. Filed June 7, 1950.

Flora Svecia

The English translation of "Flora Svecia" is "Flower of Sweden." The word "Svecia" is disclaimed. Applicant claims ownership of Registration No. 327,439.
For Cheese.
Claims use since Feb. 24, 1950.

Ser. No. 598,870. Southeastern Syrup Company, Jackson, Tenn. Filed June 9, 1950.

AJAX

For Fruit Jelly.
Claims use since Apr. 5, 1950.

Ser. No. 600,708. Vegetable Oil Products Company, Inc., Wilmington, Calif. Filed July 14, 1950.

MARVEL

For Vegetable Shortening.
Claims use since May 1939.

Ser. No. 600,849. Pretlow Peanut Company, Inc., Franklin, Va. Filed July 18, 1950.

For Fancy Hand Picked Virginia Peanuts.
Claims use since 1916.

Ser. No. 601,364. Patrick County Canning Co., Inc., Stuart, Va. Filed Aug. 1, 1950. (Sec. 2f as to "Cristall.")

George CRISTALL

The name "Cristall" is that of Mr. George Cristall, president of the applicant company, and his consent is of record.
For Canned Sliced Apples, Canned Baked Apples, Canned Blackberries, Canned Huckleberries, Canned Tomatoes, Canned Peaches, Jams, and Jellies.
Claims use since July 8, 1950, on the mark as shown; and since 1941 on the word "Cristall."

Ser. No. 604,773. Delta Food Packers, Inc., Hammonton, N. J. Filed Oct. 12, 1950.

For Canned Tomatoes and Sweet Potatoes.
Claims use since Jan. 1, 1950.

Ser. No. 605,903. Independent Growers, Inc., Lindsay, Calif. Filed Nov. 4, 1950. (Sec. 2f.)

SUGARDIPT

Applicant claims ownership of Registration No. 405,345.
For Fresh Oranges.
Claims use since Nov. 27, 1942.

Ser. No. 605,904. Independent Growers, Inc., Lindsay, Calif. Filed Nov. 4, 1950. (Sec. 2f.)

SUGARTEST

Applicant claims ownership of Registration No. 347,862.
For Fresh Oranges.
Claims use since May 21, 1936.

Ser. No. 606,607. Gravymaster Company, Inc., Long Island City, N. Y. Filed Nov. 18, 1950.

GRAVY MASTER

The word "Gravy" is disclaimed. Applicant claims ownership of Registration No. 330,747.
For Vegetable Seasoning for Soups, Sauces, Gravies, and Stews.
Claims use since July 15, 1935.

Ser. No. 607,872. Scenic Citrus Cooperative, Frostproof, Fla. Filed Dec. 19, 1950.

RED SEAL

For Fresh Citrus Fruits and Canned Tangerine Juice.
Claims use since Jan. 31, 1922.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 570,415. Geo. H. Gould Company, Incorporated, Louisville, Ky. Filed Dec. 13, 1948.

KENTUCKY'S OWN

The word "Kentucky's" is disclaimed. Applicant claims ownership of Registration No. 336,667.
For Whiskey.
Claims use since Mar. 14, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 584,346. Plastisign Corporation of America, Philadelphia, Pa. Filed Sept. 1, 1949.

PLASTISIGN

For Plastic Signs.
Claims use since June 30, 1949.

Ser. No. 584,386. Coast Maid Paper Products Co., Los Angeles, Calif. Filed Sept. 2, 1949.

Coast Maid

For Drinking Straws.
Claims use since Nov. 8, 1946.

Ser. No. 595,256. Hazel-Atlas Glass Company, Wheeling, W. Va. Filed Apr. 5, 1950.

ATLAS SEAL-ALL ARC-LID

The words "Lid" and "Seal" are disclaimed. Applicant claims ownership of Registrations Nos. 342,673 and 54,846.
For Closures for Receptacles.
Claims use since Apr. 19, 1949.

Ser. No. 605,759. The Patent Scaffolding Co., Inc., Long Island City, N. Y. Filed Nov. 1, 1950. (Sec. 2f.)

TUBE LOX

Applicant claims ownership of Registration No. 270,521.
For Scaffolding and Parts Thereof.
Claims use since Dec. 1, 1928.

Ser. No. 606,002. The Danbury Rubber Company, Inc., Danbury, Conn. Filed Nov. 7, 1950. (Sec. 2f as to "Danbury.")

DANBURY

Applicant claims ownership of Registration No. 430,550.
For Rubber Floor, Door, and Bath Mats and Rubber Slabs.
Claims use since January 1947 as shown; and since 1928 as to "Danbury."

Ser. No. 608,267. Chesebro-Whitman Company, Long Island City, N. Y. Filed Jan. 2, 1951.

AUTO-STEP

For Stepladders.
Claims use since Feb. 3, 1930.

Ser. No. 608,537. Ellison & Spring, Inc., New York, N. Y. Filed Jan. 9, 1951.

TEMPO

For Plastic Table Mats.
Claims use since Dec. 19, 1949.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 516,632. Parfumerie Lubin, Societe Anonyme, Paris, France. Original filed, act of 1905, Jan. 30, 1947; amended to application under act of 1946, Principal Register, Sept. 11, 1948. (Sec. 2f.)

FUMÉE DE LUBIN

Applicant claims ownership of United States Registration No. 267,526.
For Perfumes, Toilet Waters, Rouge, Lipstick, Face Creams.
Claims use since Aug. 31, 1934, in France; and first used in commerce between France and the United States in 1939.

Ser. No. 562,678. Arthur J. White Sales, Inc., Battle Creek, Mich., now by change of name Arthur J. White, Inc., a corporation of Michigan. Filed Aug. 2, 1948.

Jiffy DEB

For Lotion Containing Thioglycolic Acid for Use in Permanent Waving Hair in Manner Known as Cold Waving.
Claims use since May 6, 1948.

Ser. No. 599,093. Richard Hudnut, New York, N. Y. Filed June 14, 1950.

CHAMPAGNE TASTE

Applicant claims ownership of Registration No. 506,465.
For Perfume.
Claims use since May 28, 1950.

Ser. No. 599,095. Richard Hudnut, New York, N. Y. Filed June 14, 1950.

FACE-IT

The word "Face" is disclaimed.
For Face Powder and Cold Cream.
Claims use since May 28, 1950.

Ser. No. 599,445. Manufacturers and Importers of French Perfumes, Inc., Dover, Del., and New York, N. Y. Filed June 20, 1950. (Sec. 2f.)

Molyneux

Applicant claims ownership of Registration No. 271,776.
For Perfumes and Toilet Waters.
Claims use since June 17, 1930.

Ser. No. 602,687. Goya Incorporated, New York, N. Y. Filed Aug. 24, 1950.

Let's Celebrate

For Perfumes.
Claims use since Aug. 10, 1950.

Ser. No. 606,909. Stuart-Chase Co., North Bergen, N. J. Filed Nov. 24, 1950.

Covettes

For Absorbent Covered Frangible Ampules Containing Perfumes of Various Fragrances Manufactured by Others Than Applicant.
Claims use since Oct. 2, 1950.

Ser. No. 607,058. Vigny, Inc., New York, N. Y. Filed Nov. 28, 1950.

GOLLi WOGG

Applicant claims ownership of Registration No. 434,429.
For Perfumes, Toilet Waters, Face Lotions, Face Creams, Face Powders, Rouges, and Lipsticks.
Claims use since June 1921.

Ser. No. 607,689. Silson Products, Inc., Cambridge, Mass. Filed Dec. 14, 1950.



BOYCOMZ

The portrait in the drawing is fanciful.
For Hair Dressing Preparation.
Claims use since Dec. 5, 1950.

Ser. No. 607,798. Consolidated Cosmetics, Chicago, Ill. Filed Dec. 18, 1950.

JEWELIPS

Applicant claims ownership of Registration No. 535,334.
For Lipstick, Rouge, Face Powder, and Mascara.
Claims use since Dec. 8, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 589,536. The Toni Company, St. Paul, Minn., and Chicago, Ill., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware. Filed Dec. 17, 1949.

White Rain

For Liquid Creme Shampoo.
Claims use since Jan. 10, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 533,341. Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Filed Sept. 4, 1947.

EQUIBLAST

Applicant claims ownership of Registrations Nos. 383,375 and 408,509.
For Consulting, Engineering, and Design Services—Namely, Directing the Redesigning, Rebuilding and Repairing of Cupolas for Melting Cast Iron; and Providing Recommendation in the Operation of Such Cupolas.
Claims use since May 5, 1939.

Ser. No. 556,232. The United States Junior Chamber of Commerce, St. Louis, Mo., and Tulsa, Okla. Filed May 4, 1948. COLLECTIVE MARK.



The drawing is lined for the color blue. The representation of the map of the United States and all of the words are disclaimed.
For Organizing and Holding Meetings and Competitions and Other Special Events for Business People and the Public To Foster Interest in Governmental Affairs, Improvements of Communities, Industrial and Business Progress, and for the Purpose of Promoting a Spirit of Civic Pride and Cooperation Between Business People and the General Public.
Claims use since Jan. 21, 1920.

Ser. No. 563,549. Sheraton Corporation of America, Jersey City, N. J., and Boston, Mass. Filed July 30, 1948. (Sec. 2f.)

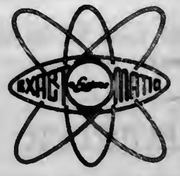
SHERATON

For Hotel and Restaurant Services.
Claims use since 1925.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 595,855. Joe L. Schmitt, Jr., doing business as Exactomatic Systems, Phoenix, Ariz. Filed Apr. 17, 1950.



The drawing is lined for color but color is not claimed.
The words "Exact" and "Systems" are disclaimed.
For Bookkeeping Service.
Claims use since Aug. 31, 1949.

Ser. No. 595,856. Joe L. Schmitt, Jr., doing business as Exactomatic Systems, Phoenix, Ariz. Filed Apr. 17, 1950.

EXACTomatic

The words "Exact" and "System" are disclaimed.
For Bookkeeping Service.
Claims use since Dec. 15, 1946.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 601,253. Caterpillar Tractor Co., Peoria, Ill. Filed July 26, 1950.

Caterpillar

Applicant claims ownership of Registrations Nos. 79,056, 85,748, 85,816, 120,744, 131,491, 134,971, 135,703, 137,035, 190,950, 277,417, 345,499, 373,488, 504,829, and 506,258.
For Service, Maintenance, and Repair of Internal Combustion Engines, Tractors, Scrapers, Wagons, Motor Graders, Scarifiers, Bulldozers, Rippers, Cable-Control Units, Hydraulic-Control Units, Electric Generators, Diesel Electric Generator Sets; Agricultural Equipment—Namely, Harvesters, Combine Harvesters, Mowers, Push Rakes, Windrow Headers, and Windrow Pick-Ups, Threshing Machines, Plows, Tool Bars, and Parts, Tools, Attachments, Accessories and Equipment Associated With All of Said Products; and Installation of Repair Parts for Said Products.
Claims use since 1925.

Ser. No. 608,878. Metallising Engineering Co. Inc., Long Island City, N. Y. Filed Jan. 17, 1951.

METCO

Applicant claims ownership of Registrations Nos. 358,092, 358,093, 436,641, and 507,397.
For Repairing of Metal Spraying Equipment and Metal Spraying Equipment Accessories.
Claims use since Apr. 23, 1934.

CLASS 104

COMMUNICATION

Ser. No. 559,971. Westinghouse Radio Stations, Inc., Indianapolis, Ind., and Philadelphia, Pa. Filed June 22, 1948.

At Home With Kay West

The words "Kay West" distinguish a created fictional character, a mythical home counselor, a radio personality and do not in any manner describe any living person except insofar as such of various persons might be employed to dramatize the literary property of such characterization.
For Radio Program Broadcasting Services.
Claims use since May 7, 1945.

CLASS 106

MATERIAL TREATMENT

Ser. No. 591,694. Newport Finishing Corporation, Providence, R. I., and Fall River, Mass. Filed Jan. 30, 1950.

Resi-Glo

The word "Glo" is disclaimed. Applicant claims ownership of Registration No. 509,448.
For Imparting a Satin Finish to Fabrics.
Claims use since Oct. 28, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,569. Soaps for Dishes, Laundry, Fine Fabrics, and General Household Cleaning. Fred H. Moore, doing business as Hilltop Laboratories, Minneapolis, Minn.
Filed Jan. 17, 1947, Serial No. 515,893. Published Apr. 11, 1950. Class 52.

444,570. Swim and Shower Caps. Dandon Sales, Inc., New York, N. Y.
Filed Apr. 22, 1947, Serial No. 521,114. Published June 5, 1951. Class 39.

444,571. Fresh Tomatoes. Clyde's Fruit and Produce Co., Denver, Colo.
Filed June 2, 1947, Serial No. 523,374. Published Mar. 29, 1949. Class 46.

444,572. Men's Outer Dress, Work, and Sport Shirts, Pajamas, and Neckties Made of Woven Cloth. Phillips-Jones Corporation, New York, N. Y.
Filed July 3, 1947, Serial No. 525,941. Published June 5, 1951. Class 39.

444,573. Loose Leaf Binders, and Index Cards and Guides. Western Tablet & Stationery Corporation, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,148. Published May 29, 1951. Class 37.

ACT OF 1946, PRINCIPAL REGISTER

548,490. Portable and Stationary Lubricating Apparatus of Automatic, Semi-Automatic, and Manual Types for Machinery and Automotive Equipment. Lincoln Engineering Company, St. Louis, Mo.
Original filed, act of 1905, Apr. 26, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 500,991. Published June 12, 1951. Class 23.

548,491. Portable Lubricant-Dispensing Apparatus—Namely, Containers Adapted To Receive Lubricant Drums, and Hand-Operated Lubricant Guns Cooperating Therewith. Lincoln Engineering Company, St. Louis, Mo.
Original filed, act of 1905, July 26, 1946; amended to application under act of 1946, Principal Register, July 5, 1947, Serial No. 506,326. Published June 5, 1951. Class 23.

548,492. Adjustable Supports for Power-Driven or Gravity Conveyors. The Rapids-Standard Company, Inc., Grand Rapids, Mich.
Original filed, act of 1905, Sept. 12, 1946; amended to application under act of 1946, Principal Register, Aug. 16, 1950, Serial No. 508,919. Published May 22, 1951. Class 23.

548,493. Internal Combustion Engine Pistons. Thompson Products, Inc., Cleveland, Ohio.
Original filed, act of 1905, Nov. 9, 1946; amended to application under act of 1946, Supplemental Register, Nov. 13, 1947; amended to Principal Register, Mar. 11, 1950, Serial No. 512,353. Published June 5, 1951. Class 23.

548,494. Men's Hats. Joseph Kanner Hat Co., Inc., South Norwalk, Conn.
Original filed, act of 1905, Jan. 8, 1947; amended to application under act of 1946, Principal Register, Jan. 4, 1951, Serial No. 515,430. Published July 10, 1951. Class 39.

548,495. Piece Goods of Silk, Cotton, Synthetic Fibers, Wood Fibers, and Fur Fibers, and Combinations Thereof. Weiss Friedman Co., New York, N. Y.
Original filed, act of 1905, Mar. 21, 1947; amended to application under act of 1946, Principal Register, Sept. 23, 1947, Serial No. 519,427. Published June 26, 1951. Class 42.

548,496. Bread. Grocers Baking Company, Inc., Louisville, Ky.
Original filed, act of 1905, Apr. 15, 1947; amended to application under act of 1946, Principal Register, Oct. 30, 1947, Serial No. 520,700. Published Nov. 29, 1949. Class 46.

548,497. Canned Vegetables, Citrus Fruit Juices, Vegetable Juices, Canned Beans With Pork, Coffee, and Vegetable Purées. Ehrhart-Conrad Company, Hanover, Pa.
Original filed, act of 1905, Apr. 19, 1947; amended to application under act of 1946, Principal Register, Nov. 3, 1947, Serial No. 521,003. Published July 10, 1951. Class 46.

548,498. Liquid Paints, Liquid, Quick-Drying Paint Enamels, and Varnishes. Elliott Paint & Varnish Company, Chicago, Ill.
Original filed, act of 1905, May 10, 1947; amended to application under act of 1946, Principal Register, July 23, 1947, Serial No. 522,194. Published June 12, 1951. Class 16.

548,499. Dairy Stock and Poultry Feeds Comprised Principally of Dried Brewers' Grains, Corn Meal, Soybean Oil Meal, Etc. Maritime Milling Co. Inc., Buffalo, N. Y., assignor to Farmers Feed Company, New York, N. Y., a corporation of New York.
Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Sept. 14, 1948, Serial No. 525,339. Published May 23, 1950. Class 46.

548,500. Ladies' Hosiery. Joseph A. Katz Company, New York, N. Y.
Original filed, act of 1905, July 4, 1947; amended to application under act of 1946, Principal Register, May 25, 1950, Serial No. 526,242. Published July 3, 1951. Class 39.

548,501. Table Syrup. The Oakford Company, Peoria, Ill.
Filed July 12, 1947, Serial No. 528,506. Published July 3, 1951. Class 46.

548,502. Liquid Paints for Masonry Surfaces. Elliott Paint & Varnish Company, Chicago, Ill.
Filed July 23, 1947, Serial No. 529,241. Published July 10, 1951. Class 16.

548,503. Portable and Stationary Air and Fluid Compressors. Davey Compressor Company, Kent, Ohio.
Filed July 31, 1947, Serial No. 530,067. Published June 5, 1951. Class 23.

548,504. Reflector Signs Consisting of Sheets Providing Reflective Surfaces and Covered With Glass Beads. American Decalcomania Company, Inc., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware.
Filed Aug. 27, 1947, Serial No. 532,540. Published June 12, 1951. Class 50.

548,505. Mechanically Grooved Phonograph Records. Standard Phono Corporation, New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,830. Published Jan. 24, 1950. Class 36.

548,506. Laundry Nets. William E. Hooper & Sons Company, Philadelphia, Pa.
Filed Oct. 3, 1947, Serial No. 536,604. Published June 19, 1951. Class 2.

548,507. Candy—Namely, Peanut Brittle. Jianas Bros. Candy Co., Kansas City, Mo.
Filed Oct. 6, 1947, Serial No. 536,904. Published May 29, 1951. Class 46.

548,508. Fresh Citrus Fruits. Corona Citrus Association, Corona, Calif.
Filed Oct. 11, 1947, Serial No. 537,569. Published July 3, 1951. Class 46.

548,509. One-Coat Flat Wall Paint. Mobile Paint Manufacturing Company of Delaware, Inc., trading as Mobile Varnish Works, Wilmington, Del., and Mobile, Ala.
Filed Oct. 20, 1947, Serial No. 538,430. Published July 10, 1951. Class 16.

548,510. Bacon. Armour and Company, Chicago, Ill.
Filed Nov. 5, 1947, Serial No. 540,140. Published July 3, 1951. Class 46.

548,511. Cotton, Rayon, and Woolen Piece Goods and Textile Fabrics—Namely, Broadcloth, Poplin, and Percale. Brenda Fabrics, Inc., New York, N. Y.
Filed Nov. 7, 1947, Serial No. 540,373. Published July 3, 1951. Class 42.

548,512. Bond Paper. Butler Paper Corporations, Chicago, Ill.
Filed Nov. 8, 1947, Serial No. 540,516. Published June 5, 1951. Class 37.

548,513. Leather. The Ohio Leather Company, Girard, Ohio.
Filed Nov. 13, 1947, Serial No. 541,021. Published Jan. 4, 1949. Class 1.

548,514. Ladies' Hosiery. Samuel Fink, doing business as Fink Bros., Utica, N. Y.
Filed Dec. 3, 1947, Serial No. 543,157. Published July 10, 1951. Class 39.

548,515. Canned Sardines, Anchovies, Both Rolled and Flat, and Tunny Fish. Algarve Exportador, Lda., Lisbon, Portugal.
Filed Dec. 11, 1947, Serial No. 544,019. Published June 5, 1951. Class 46.

548,516. Cleaners, Polishers, and Finish Preservers for Use on Finished Surfaces for Cleaning, Polishing, and Preserving the Finish. Mirror Bright Polish Co., Pasadena, Calif., assignor to Mirror Bright Polish Co., Pasadena, Calif., a firm composed of Maurice W. Meguiar, Malcolm F. Meguiar, and Kenneth Meguiar.
Filed Dec. 15, 1947, Serial No. 544,369. Published Sept. 12, 1950. Class 4.

548,517. Injection Molded and Extruded Castings, Tubing, Tapes and Sheeting Designed for a Variety of Non-Associated Uses, Etc. Elmer E. Mills Corporation, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,508. Published June 12, 1951. Class 1.

548,518. Blotting Paper. The Wrenn Paper Company, Middletown, Ohio.
Filed Dec. 31, 1947, Serial No. 545,925. Published June 12, 1951. Class 37.

548,519. Varnishes and Lacquers. Enterprise Paint Manufacturing Company, Chicago, Ill.
Filed Jan. 6, 1948, Serial No. 546,288. Published June 19, 1951. Class 16.

548,520. Sole Leather. Armour and Company, doing business under the trade style J. K. Mosser Leather Corporation, Chicago, Ill.
Filed Jan. 10, 1948, Serial No. 546,637. Published June 12, 1951. Class 1.

548,521. Coffee. Winston and Newell Company, Minneapolis, Minn., and Wilmington, Del.
Filed Jan. 12, 1948, Serial No. 546,809. Published July 10, 1951. Class 46.

548,522. Writing, Printing, and Wrapping Paper. Parsons & Whittemore, Incorporated, New York, N. Y.
Filed Jan. 17, 1948, Serial No. 547,361. Published June 12, 1951. Class 37.

548,523. Textile Piece Goods of Rayon. American Silk Mills Inc., New York, N. Y.
Filed Feb. 9, 1948, Serial No. 549,105. Published July 3, 1951. Class 42.

548,524. Fabrics, Not Including Ribbons, of Cotton, Wool, Silk, Synthetic Fibres, and Mixtures Thereof. Harry Goldinger Textile Corporation, Los Angeles, Calif.
Filed Feb. 14, 1948, Serial No. 549,729. Published June 26, 1951. Class 42.

548,525. Olive Oil. Manuel Pedrol, Sociedad Anonima, Tarragona, Spain.
Filed Feb. 18, 1948, Serial No. 550,066. Published July 10, 1951. Class 46.

548,526. Dietary Food Supplement Containing Calcium, Phosphorous, Iodine, and Other Minerals. Werner F. Wilhelm, doing business as The Carin Company, Chicago, Ill.
Filed Feb. 24, 1948, Serial No. 550,471. Published June 12, 1951. Class 18.

548,527. Wheat Flour. The Colorado Milling & Elevator Co., Denver, Colo., doing business as The Springfield Flour Mills, Springfield, Mo.
Filed Mar. 5, 1948, Serial No. 551,235. CONCURRENT USE. Published May 1, 1951. Class 46.

548,528. Leather Faced Fabric Workmen's Gloves. Indianapolis Glove Company, Indianapolis, Ind., now by change of name, Indianapolis Glove Company, Inc., a corporation of Indiana.
Filed Apr. 8, 1948, Serial No. 554,119. Published Jan. 2, 1951. Class 39.

548,529. Tea, Ginger, Grape Preserves, Raspberry Preserves, Etc. Stephen Leeman Products Company, West Nyack, N. Y.
Filed Apr. 9, 1948, Serial No. 554,235. Published June 5, 1951. Class 46.

548,530. Furniture Polish. Shell Oil Company, Incorporated, San Francisco, Calif., assignor to Shell Oil Company, New York, N. Y., a corporation of Delaware.
Filed Apr. 12, 1948, Serial No. 554,429. Published July 10, 1951. Class 4.

548,531. Road Marking Paint. Hanline Bros., Baltimore, Md.
Filed Apr. 19, 1948, Serial No. 554,974. Published July 10, 1951. Class 16.

548,532. Table Syrups. Robinson Syrup Co. Inc., Cairo, Ga.
Filed Apr. 27, 1948, Serial No. 555,698. Published Feb. 14, 1950. Class 46.

548,533. Cleansing Products Used for Washing Dishes by Washing Machine. S & S Soap Company, New York, N. Y.
Filed May 10, 1948, Serial No. 556,658. Published June 26, 1951. Class 52.

548,534. Ladies' Panties. S. & S. Underwear Manufacturing Corp., New York, N. Y.
Filed May 11, 1948, Serial No. 556,819. Published July 3, 1951. Class 39.

548,535. Preparations for Mixing With Cement for Hardening and Waterproofing Purposes. Henry Ruddick, doing business as The Floor Rite Company, Victoria, British Columbia, Canada.
Filed May 22, 1948, Serial No. 557,631. Published May 22, 1951. Class 12.

548,536. Lacquers and Waterproof Resinous Plastic Wood and Metal Surface Sealer and Finish. Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill.
Filed May 28, 1948, Serial No. 557,992. Published July 3, 1951. Class 16.

548,537. Wood Finishes—Namely, Oil Stains. Berry Brothers, Inc., Detroit, Mich., and Chicago, Ill.
Filed May 28, 1948, Serial No. 557,996. Published July 3, 1951. Class 16.

548,538. Bowling Alley Cleaner and Polish and Bowling Alley Lacquers, Varnishes, Paints, Enamels, and Shellac. Berry Brothers, Inc., Chicago, Ill., and Detroit, Mich.
Filed May 28, 1948, Serial No. 558,000. Published July 3, 1951. Class 4.

548,539. Gloves and Mittens Made of Fabric and Combinations of Leather and Fabric. The Boss Manufacturing Company, Kewanee, Ill.
Filed June 4, 1948, Serial No. 558,455. Published July 10, 1951. Class 39.

548,540. Dial Indicating Gages, Snap Gages, Plug Gages, Thread Gages, Bore Gages, and Micrometers. Standard Gage Company, Inc., Poughkeepsie, N. Y., and elsewhere.
Filed Apr. 22, 1948, Serial No. 559,436. Published Feb. 27, 1951. Class 26.

548,541. Marine Paints and Finishes—Namely, Ready-Mixed and Semi-Paste Paints; Etc. John Lucas & Company, Inc., Philadelphia, Pa.
Filed June 24, 1948, Serial No. 560,119. Published June 12, 1951. Class 16.

548,542. Cleansing Pads of Steel Wool and the Like. Cleanser Products, Inc., Chicago, Ill.
Filed July 3, 1948, Serial No. 560,684. Published June 20, 1950. Class 4.

548,543. Horse and Mule Feed, the Principal Ingredients of Which Are Ground Grains, Etc. Lone Star Elevators, Amarillo, Tex., assignee of Globe Mills, Inc.
Filed July 9, 1948, Serial No. 561,004. Published June 19, 1951. Class 46.

548,544. Rigid Composition Awnings, Canopies and Hoods for Windows and Doors. Ralph N. Jones, Russellville, Ark.
Filed July 9, 1948, Serial No. 561,019. Published May 29, 1951. Class 12.

548,545. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,491. Published June 26, 1951. Class 42.

548,546. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,493. Published July 3, 1951. Class 42.

548,547. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,496. Published July 3, 1951. Class 42.

548,548. Spot Remover; Liquid Car Finish Cleaner; Treated Automobile Finish Polishing Cloth; Metal (Chrome) Polish; Automobile Shampoo (Soap); and Automobile Windshield Glass Cleaner. The Pure Oil Company, Chicago, Ill.
Filed Aug. 13, 1948, Serial No. 563,366. Published June 19, 1951. Class 4.

548,549. Light Weight Insulating Plaster. The Cleveland Gypsum Company, Cleveland, Ohio.
Filed Aug. 31, 1948, Serial No. 564,435. Published May 29, 1951. Class 12.

548,550. Finger Twine Knife and Bench Twine Cutter. Handy Twine Knife Company, Upper Sandusky, Ohio.
Filed Sept. 3, 1948, Serial No. 564,621. Published May 22, 1951. Class 23.

548,551. Sponge Rubber in Sheet and Strip Form. Brown Rubber Company, Inc., La Fayette, Ind.
Filed June 10, 1948, Serial No. 565,509. Published June 12, 1951. Class 1.

548,552. Aromatic Spirits of Ammonia; Bay Rum; Etc. Northwestern Drug Company, Minneapolis, Minn.
Filed Oct. 4, 1948, Serial No. 566,395. Published June 19, 1951. Class 51.

548,553. Gears for Use in Power Transmission Units. Pittsburgh Gear Company, Pittsburgh, Pa.
Filed Oct. 13, 1948, Serial No. 567,122. Published May 22, 1951. Class 23.

548,554. Toilet Bowl Deodorants. Rochester Germicide Company, Rochester, N. Y.
Filed Nov. 4, 1948, Serial No. 568,215. Published June 12, 1951. Class 6.

548,555. Men's Hats. Hutt & Wasserman, Inc., New York, N. Y.
Filed Nov. 10, 1948, Serial No. 568,506. Published June 5, 1951. Class 39.

548,556. Water Pumps of the Rotary Impeller Type. Barnes Manufacturing Co., Mansfield, Ohio.
Filed Nov. 17, 1948, Serial No. 568,926. Published June 5, 1951. Class 23.

548,557. Hosiery for Children. McCrory Stores Corporation, New York, N. Y.
Filed Nov. 17, 1948, Serial No. 568,967. Published June 26, 1951. Class 39.

548,558. Polyethylene Bottles, and Tubing, Used To Package Products. Plax Corporation, West Hartford, Conn.
Filed Nov. 17, 1948, Serial No. 568,976. Published July 10, 1951. Class 2.

548,559. Metal Windows, Window Frames, Window Screens, and Storm Sashes. General Bronze Corporation, Garden City, N. Y.
Filed Nov. 29, 1948, Serial No. 569,182. Published June 26, 1951. Class 12.

548,560. Floor Cleaners. Templar Oil Products Co., Inc., South River, N. J.
Filed Nov. 30, 1948, Serial No. 569,645. Published June 12, 1951. Class 52.

548,561. Finger Moistener Embodying a Sponge To Be Used as a Sewing Aid. Esther Jaffe, doing business as Sew E-Z Novelty Shop, Brooklyn, N. Y.
Filed Dec. 3, 1948, Serial No. 569,853. Published July 3, 1951. Class 40.

548,562. Men's and Boys' Suits Composed of Coats, Vests, and Trousers, Etc. Lamm Brothers, Inc., Baltimore, Md.
Filed Dec. 6, 1948, Serial No. 570,056. Published June 5, 1951. Class 39.

548,563. Antacid Preparation Recommended as a Douche, Spray, or Gargle; Also as a Mouth Wash After Dental Extraction. G. S. Stoddard & Co., Inc., New York, N. Y.
Filed Dec. 18, 1948, Serial No. 570,799. Published June 26, 1951. Class 18.

548,564. Liquid Mixture of Organic Compounds, Etc. E. F. Drew & Co., Inc., New York, N. Y.
Filed Dec. 21, 1948, Serial No. 570,928. Published June 12, 1951. Class 52.

548,565. Copper Naphthenate Preparations for Use in the Preservation of Wood and of Textiles. Red Spot Paint & Varnish Co., Inc., Evansville, Ind.
Filed Jan. 4, 1949, Serial No. 571,620. Published July 3, 1951. Class 6.

548,566. All-Purpose Cleanser Having Deodorizing and Disinfecting Properties. William Junice, doing business as Junice Laboratories, Clifton, N. J.
Filed Jan. 8, 1949, Serial No. 571,865. Published June 26, 1951. Class 52.

548,567. Prefabricated Houses. Sierra Homes Inc., Portland, Oreg.
Filed Jan. 13, 1949, Serial No. 572,131. Published June 26, 1951. Class 12.

548,568. Liver Fractions Used for Medicinal Purposes. Armour and Company, Chicago, Ill.
Filed Jan. 25, 1949, Serial No. 572,714. Published Mar. 21, 1950. Class 18.

548,569. Canned Vegetables, Citrus Fruit Juices, Vegetable Juices, Canned Beans With Pork, Coffee, Vegetable Purees, and Canned Fruits. Ehrhart-Conrad Company, Hanover, Pa.
Filed Jan. 26, 1949, Serial No. 572,843. Published July 3, 1951. Class 46.

548,570. Inhalers for Administering Medicaments, Especially Powdered Penicillin. E. R. Squibb & Sons, New York, N. Y.
Filed Feb. 1, 1949, Serial No. 573,149. Published June 19, 1951. Class 44.

548,571. Vending Machines for a Variety of Packaged Merchandise Including Cigars, Cigarettes, Nuts, Sweet Meats, Cookies, Chewing Gum, and Candy. The G. B. Macke Corporation, Washington, D. C.
Filed Feb. 2, 1949, Serial No. 573,190. Published June 5, 1951. Class 23.

548,572. Safety Paper Such as Is Used for Checks, Drafts, and All Vouchers of Value. Gurney Security Paper Company, Inc., Brooklyn, N. Y.
Filed Feb. 12, 1949, Serial No. 573,765. Published Apr. 24, 1951. Class 37.

548,573. Strips of Tree Bark, Small Pieces Thereof, Ground Bark in Powder Form, and Bark Extract for Tanning Purposes. The Natal Tanning Extract Company Limited, Pietermaritsburg, Natal, South Africa.
Filed Feb. 9, 1949, Serial No. 573,812. Published June 12, 1951. Class 1.

548,574. Vibrating Conveyors for Conveying Grain, Coal, Etc. Simplicity Engineering Company, Durand, Mich.
Filed Feb. 15, 1949, Serial No. 573,904. Published June 5, 1951. Class 23.

548,575. Canned Cream of Pea Soup; Canned Consommé Madrilene; Etc. College Inn Food Products Company, Chicago, Ill.
Filed Feb. 16, 1949, Serial No. 573,920. Published July 3, 1951. Class 46.

548,576. Gift Package Consisting of Fresh Pears, Plums, Peaches, Etc. Day & Young, Santa Clara, Calif.
Filed Feb. 16, 1949, Serial No. 573,928. Published June 19, 1951. Class 46.

548,577. Textile Rugs, Carpets, Carpeting, Pastry Cloths, Etc. The May Department Stores Company, St. Louis, Mo., doing business under the name Kaufmann Department Stores, Pittsburgh, Pa.
Filed Feb. 24, 1949, Serial No. 574,443. Published July 3, 1951. Class 42.

548,578. Industrial Wiping Towels, and Fabric Squares for Protecting Car Fenders and Car Seats During Car Repair. Bags, Inc., also doing business under the name Wipo Manufacturing Co., Columbus, Ga.
Filed Mar. 9, 1949, Serial No. 575,116. Published July 3, 1951. Class 42.

548,579. Automatic Control Mechanisms Adapted for Use as Time-Sequence Actuators for Partly or Fully Automatic Pneumatically Powered Machines. Mead Specialties Company, Inc., Chicago, Ill.
Filed Mar. 16, 1949, Serial No. 575,538. Published June 5, 1951. Class 23.

548,580. Dyes and Dyestuffs. General Dyestuff Corporation, New York, N. Y.
Filed Mar. 19, 1949, Serial No. 575,703. Published July 3, 1951. Class 6.

548,581. Draperies for Ecclesiastical Purposes Made of Brocades, Damasks, Tapestries, Velvets, Satins, and Moires. Joseph E. Wilkins, Philadelphia, Pa.
Filed Mar. 22, 1949, Serial No. 575,880. Published June 26, 1951. Class 42.

548,582. Shampoo, For Use on Pets. Colonial Chemical Co. Inc., Seattle, Wash.
Filed Mar. 25, 1949, Serial No. 576,042. Published June 12, 1951. Class 52.

548,583. Medicated Lozenges. Hudson's Eumenthol Chemical Company Pty. Limited, Sydney and Glebe, near Sydney, Australia.
Filed Mar. 30, 1949, Serial No. 576,329. Published June 19, 1951. Class 18.

548,584. Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk, or Combinations Thereof. Clearwater Finishing Company, Clearwater, S. C.
Filed Apr. 9, 1949, Serial No. 576,849. Published July 3, 1951. Class 42.

548,585. Canned Fruits, Berries, and Vegetables—Namely, Canned Blueberries, Cranberry Sauce, and Tomatoes. Ariston Canning Co., Cologne, N. J.
Filed Apr. 12, 1949, Serial No. 576,949. Published July 3, 1951. Class 46.

548,586. Power Driven Bulb Planting Machines Adapted for Transporting Planters in a Prone Position Through a Field for Manual Planting Operations. Barnett & Wallis, Inc., Pisgah Forest, N. C.
Filed Apr. 12, 1949, Serial No. 576,951. Published June 26, 1951. Class 23.

548,587. Sheet Metal Awnings. Shade-Master Aluminum Awning Corp., Buffalo, N. Y.
Filed Apr. 19, 1949, Serial No. 577,400. Published June 26, 1951. Class 12.

548,588. Plastic Film in the Piece for Making Into Shower Curtains, Raincoats, Garment Bags, and the Like. Toscony Fabrics, Inc., New York, N. Y.
Filed Apr. 25, 1949, Serial No. 577,695. Published July 3, 1951. Class 42.

548,589. Artificial Limbs. Natural Action Limb Corporation, New York, N. Y.
Filed May 2, 1949, Serial No. 578,094. Published June 19, 1951. Class 44.

548,590. Synthetic Organic Resins and Synthetic Organic Resin Compositions for Use in the Industrial Arts; and Wax for Use as a Pattern Material in Making Molds for Metal-Castings. Union Carbide and Carbon Corporation, New York, N. Y.
Filed May 10, 1949, Serial No. 578,544. Published July 10, 1951. Class 6.

548,591. Sealing Tapes of Laminated Kraft Paper Generally Provided on One Face With an Adhesive or Gummed Surface. Stocker Manufacturing Company, Netcong, N. J.
Filed May 11, 1949, Serial No. 578,649. Published June 12, 1951. Class 5.

548,592. Soaps in Cake, Powder, Flakes, Granulated, and Liquid Form; Stain and Spot Removers; Drain Solvents; Surface, Receptacle, and Instrument Cleaners; and Sweeping Compound. John Sexton & Co., Chicago, Ill.
Filed May 12, 1949, Serial No. 578,708. Published June 12, 1951. Class 52.

548,593. Medicinal Tablet for Myocardial Stimulant and Diuretic. Sutliff & Case Co., Inc., Peoria, Ill.
Filed May 12, 1949, Serial No. 578,722. Published June 12, 1951. Class 18.

548,594. Decorative or Ornamental Metal Cases and Boxes Adapted To Contain Miscellaneous Articles Such as Cigarettes, Playing Cards, and Jewelry. Farrington Manufacturing Company, Boston, Mass.
Filed May 14, 1949, Serial No. 578,875. Published June 19, 1951. Class 2.

548,595. Potassium Chloride. International Minerals & Chemical Corporation, Chicago, Ill.
Filed May 17, 1949, Serial No. 578,977. Published July 10, 1951. Class 6.

548,596. General Household Cleanser Having Water Conditioning Properties. The Theobald Industries, Kearny, N. J.
Filed May 21, 1949, Serial No. 579,299. Published June 12, 1951. Class 52.

548,597. Electrical Instrument for Imparting Rays to the Human Body for Use in Diagnosis and Treatment of Diseases of the Human Body. The Electronic Instrument, Inc., doing business as Electronic Instrument Company, Tiffin, Ohio.
Filed May 23, 1949, Serial No. 579,312. Published June 26, 1951. Class 44.

548,598. Millinery—Namely, Hats, Bonnets, Hairnets, Hat Nets, Scarfs, Handkerchiefs, and Gloves. Lionel A. Carney, New York, N. Y.
Filed May 25, 1949, Serial No. 579,479. Published June 5, 1951. Class 39.

548,599. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed June 24, 1949, Serial No. 581,026. Published July 3, 1951. Class 42.

548,600. Sealing Compounds for Radiators, Boilers, and Pipes. Charles F. Lusk, doing business as C. F. Lusk Company, Cleveland, Ohio.
Filed June 28, 1949, Serial No. 581,198. Published July 10, 1951. Class 6.

548,601. Analgesic Preparation. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed June 29, 1949, Serial No. 581,290. Published June 12, 1951. Class 18.

548,602. Metal Awnings. Roy F. Kurtz, doing business as Kurtz Metal Awning Company, Greensburg, Pa.
Filed July 1, 1949, Serial No. 581,426. Published June 26, 1951. Class 12.

548,603. Colchicine Solution for the Treatment of Gout. Parke, Davis & Company, Detroit, Mich.
Filed July 8, 1949, Serial No. 581,684. Published June 12, 1951. Class 18.

548,604. Chemical Preparations for Sizing and Finishing Textile Fabrics of Animal, Vegetable, and Synthetic Fibres. James Warr, doing business as Melrose Chemical Co., Melrose, Mass., assignor to Melrose Chemical Corp., a corporation of Massachusetts.
Filed July 21, 1949, Serial No. 582,332. Published July 10, 1951. Class 6.

548,605. Insecticide. Bostwick Laboratories, Inc., Bridgeport, Conn.
Filed July 22, 1949, Serial No. 582,341. Published June 26, 1951. Class 6.

548,606. Hair Cleanser Having Conditioning Properties For Use Before Permanent Waving. Marengo Industries, Inc., Marengo, Ill.
Filed July 25, 1949, Serial No. 582,488. Published June 12, 1951. Class 52.

548,607. Women's and Misses' T-Shirts, Outer Shorts, Garden Coats, Halter Bras, and Culottes. Artistic Foundations, Inc., New York, N. Y.
Filed July 26, 1949, Serial No. 582,514. Published July 3, 1951. Class 39.

548,608. Solvent Having an Affinity for Water, Used in Testing Moisture Content of Materials. Fred Stein Laboratories, Atchison, Kans.
Filed July 29, 1949, Serial No. 582,705. Published June 26, 1951. Class 6.

548,609. Grindstones. The Allbright-Nell Company, Chicago, Ill.
Filed Aug. 6, 1949, Serial No. 583,067. Published Sept. 19, 1950. Class 4.

548,610. Liquid Food Preparation Containing Vitamins A, D, C, Thiamin, Riboflavin, and Niacinamide in Water Dispersible Form. Mead Johnson & Company, Evansville, Ind.
Filed Aug. 6, 1949, Serial No. 583,093. Published July 10, 1951. Class 46.

548,611. Medicinal Preparation To Be Used as an Infant Hematinic. The Upjohn Company, Kalamazoo, Mich.
Filed Aug. 11, 1949, Serial No. 583,375. Published June 12, 1951. Class 18.

548,612. Butter, Cheese, Milkpowder, Buttermilk Powder and Wheypowder. Friesche Coöperatieve Zuivel-Export-Vereeniging, short Frico, Leeuwarden, Netherlands.
Filed Aug. 25, 1949, Serial No. 583,993. Published June 5, 1951. Class 46.

548,613. Women's Strapless Halters for Outer Wear. Queen Knitting Mills, Philadelphia, Pa.
Filed Aug. 25, 1949, Serial No. 584,012. Published July 10, 1951. Class 39.

548,614. Medicine for Stimulation of the Central Nervous System, Treatment of Obesity, Etc. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Aug. 27, 1949, Serial No. 584,160. Published June 12, 1951. Class 18.

548,615. Fresh Apples. Yakima Fruit & Cold Storage Co., Yakima, Wash.
Filed Aug. 29, 1949, Serial No. 584,211. Published July 3, 1951. Class 46.

548,616. Women's Hosiery. Holeproof Hosiery Co., Milwaukee, Wis.
Filed Sept. 3, 1949, Serial No. 584,452. Published June 26, 1951. Class 39.

548,617. Hat Bodies. Henry Pollak, Inc., New York, N. Y.
Filed Sept. 14, 1949, Serial No. 584,835. Published June 5, 1951. Class 39.

548,618. Frozen Fresh Vegetables. Santa Clara Frosted Foods Company, Santa Clara, Calif.
Filed Sept. 14, 1949, Serial No. 584,839. Published May 22, 1951. Class 46.

548,619. Toilet Soap. Kay Daumit, Inc., Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,157. Published June 12, 1951. Class 52.

548,620. Plastic Bookmarks. Armstrong Products Company, Warsaw, Ind.
Filed Oct. 5, 1949, Serial No. 585,781. Published June 12, 1951. Class 37.

548,621. Floor Sweeping Compounds for Absorbing Dust on Floors. Frank Miller & Sons, Chicago, Ill.
Filed Oct. 5, 1949, Serial No. 585,805. Published June 12, 1951. Class 52.

548,622. Women's, Misses', Children's, and Infants' Dresses, Etc. I. Magnin & Co., San Francisco, Calif.
Filed Oct. 10, 1949, Serial No. 586,056. Published July 3, 1951. Class 39.

548,623. Household Cleaner. Lillian C. Perillo, doing business as Danel Products Company, Summit, N. J.
Filed Oct. 11, 1949, Serial No. 586,107. Published May 29, 1951. Class 52.

548,624. Polish and Polishing Preparations for Automobiles and Furniture. R. M. Hollingshead Corporation, Camden, N. J.
Filed Oct. 14, 1949, Serial No. 586,281. Published June 26, 1951. Class 4.

548,625. Perfume Essence. Evelyn Westall, doing business as Parfums Evyan Co., New York, N. Y., assignor to Parfums Evyan Inc., a corporation of New York.
Filed Oct. 14, 1949, Serial No. 586,335. Published June 26, 1951. Class 51.

548,626. Sympatholytic and Adrenolytic Agent and as an Agent Affecting the Central Nervous System. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Oct. 15, 1949, Serial No. 586,367. Published June 12, 1951. Class 18.

548,627. Petroleum and Products of Petroleum With or Without Admixtures of Other Materials, Etc. Union Trading Company, Ltd., Basel, Switzerland.
Filed Oct. 15, 1949, Serial No. 586,370. Published June 12, 1951. Class 15.

548,628. Tray and Clamp Combination for Use in Providing Dental Fillings. The Columbus Dental Manufacturing Co., Columbus, Ohio.
Filed Oct. 21, 1949, Serial No. 586,623. Published June 26, 1951. Class 44.

548,629. Canned Fruit Juices, Fresh Deciduous Fruits, Etc. Di Giorgio Fruit Corporation, San Francisco, Calif.
Filed Oct. 24, 1949, Serial No. 586,737. Published June 5, 1951. Class 46.

548,630. "Bubble Bath" Preparation. Courtley, Ltd., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York.
Filed Oct. 28, 1949, Serial No. 586,961. Published June 26, 1951. Class 51.

548,631. All Cotton Fabric Woven To Offer Wind Resistance and Is Water Repellant, Used in Making Ski Suits, Clothing for Mountaineering Expeditions, and Sportswear. Hirsch Fabrics Corporation, New York, N. Y.
Filed Oct. 29, 1949, Serial No. 587,030. Published June 26, 1951. Class 42.

548,632. Rouge, Face Powder, Cake Make-Up, Lipstick, Cream Powder Base, Nail Polish, and Nail Polish Base Coat. Rejuvia Beauty Laboratories, Inc., New York, N. Y.
Filed Nov. 3, 1949, Serial No. 587,286. Published June 26, 1951. Class 51.

548,633. Shrubs and Specifically Boxwood. C. W. Stuart & Company, Inc., Newark, N. Y.
Filed Nov. 3, 1949, Serial No. 587,292. Published June 19, 1951. Class 1.

548,634. Soap. The M. Werk Company, St. Bernard, Ohio.
Filed Nov. 4, 1949, Serial No. 587,369. Published June 26, 1951. Class 52.

548,635. Detergent, for Removing Milkstone Deposits on Milk Cans, Milker Pails, and Rubber Parts. De Laval Sales and Service, Inc., Poughkeepsie, N. Y.
Filed Nov. 18, 1949, Serial No. 588,008. Published June 12, 1951. Class 52.

548,636. Oleomargarine. Challenge Cream & Butter Association, Los Angeles, Calif.
Filed Nov. 19, 1949, Serial No. 588,079. Published July 3, 1951. Class 46.

548,637. Sport Shirts and Jacket Shirts for the Use of Men, Women, Boys, Girls, and Children Manufactured From Textiles. Siskind's Tailoring Co., Inc., New York, N. Y.
Filed Nov. 25, 1949, Serial No. 588,326. Published June 5, 1951. Class 39.

548,638. Preserved Fish—Namely, Sardines. Societe Anonyme "Ostendia," Breedene, Sas-Slijkens, near Ostend, Belgium.
Filed Nov. 25, 1949, Serial No. 588,327. Published July 3, 1951. Class 46.

548,639. Undershirts, Pajamas, Under Shorts, Jackets, and Wool and Cotton Sweaters. Mercantile Stores Company, Inc., Wilmington, Del.
Filed Nov. 29, 1949, Serial No. 588,503. Published July 3, 1951. Class 39.

548,640. Alimentary Paste Products—Namely, Spaghetti, Macaroni, and Sea Shells. Grocery Store Products Co., New York, N. Y.
Filed Nov. 30, 1949, Serial No. 588,577. Published July 10, 1951. Class 46.

548,641. Fabrics in the Piece of Wool, Cotton, Nylon, Rayon, Other Synthetic Fibers or Mixtures Thereof, and for Cotton Sheets and Pillow Cases. Deering, Milliken & Company, Inc., New York, N. Y.
Filed Dec. 7, 1949, Serial No. 588,942. Published June 26, 1951. Class 42.

548,642. Parasiticide and Antiseptic for Topical Application. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Dec. 9, 1949, Serial No. 589,124. Published June 12, 1951. Class 18.

548,643. Boys' and Girls' Hosiery. Bear Brand Hosiery Co., Chicago, Ill.
Filed Dec. 15, 1949, Serial No. 589,374. Published July 10, 1951. Class 39.

548,644. Antianemia Preparations. American Cyanamid Company, New York, N. Y.
Filed Dec. 16, 1949, Serial No. 589,413. Published June 12, 1951. Class 18.

548,645. Macaroni. Prince Macaroni Manufacturing Company, Lowell, Mass.
Filed Dec. 17, 1949, Serial No. 589,527. Published June 5, 1951. Class 46.

548,646. Machines for Automatically Feeding Blanks to Paper Box Machines. High Production Machine Company, Inc., Philadelphia, Pa.
Filed Dec. 22, 1949, Serial No. 589,785. Published June 5, 1951. Class 23.

548,647. Livestock Feeds—Namely, Cottonseed Meal, Cottonseed Hulls and Soya Bean Meal and/or Mixtures Thereof. The Buckeye Cotton Oil Company, Cincinnati, Ohio.
Filed Dec. 17, 1949, Serial No. 589,820. Published July 10, 1951. Class 46.

548,648. Plastic Tiles and Plastic Slabs for Use as Floor Coverings, Wall Coverings, Stair Treads, Etc. American Brake Shoe Company, New York, N. Y.
Filed Dec. 29, 1949, Serial No. 590,048. Published June 26, 1951. Class 12.

548,649. Hosiery. Galatex Co. Inc., New York, N. Y.
Filed Jan. 6, 1950, Serial No. 590,433. Published June 26, 1951. Class 39.

548,650. Internal Medicine for the Treatment of Colds and Hay Fever. The Anti-X Co., St. Louis, Mo.
Filed Jan. 10, 1950, Serial No. 590,576. Published June 12, 1951. Class 18.

548,651. Ready-to-Wear Goods—Namely, Women's Dresses, Coats, and Suits. Ben Wolfman, Inc., doing business as The Fashion, Houston, Tex.
Filed Jan. 11, 1950, Serial No. 590,726. Published June 5, 1951. Class 39.

548,652. Surface Active Chemicals—Namely, Acid Esters of Polybasic Acids and Amine Salts of Acid Esters of Polybasic Acids. Ferro Chemical Corporation, Bedford, Ohio.
Filed Jan. 19, 1950, Serial No. 591,078. Published July 10, 1951. Class 6.

548,653. Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; Etc. The United Piece Dye Works, Lodi, N. J.
Filed Jan. 19, 1950, Serial No. 591,122. Published July 3, 1951. Class 42.

548,654. Perfume, Toilet Water, Face Powder, Bath Powder, and Talcum Powder. House of Tre-Jur, Inc., New York, N. Y.
Filed Jan. 20, 1950, Serial No. 591,166. Published June 19, 1951. Class 51.

548,655. Azo Dyestuffs. Alliance Color & Chemical Co., Newark, N. J.
Filed Jan. 23, 1950, Serial No. 591,268. Published July 10, 1951. Class 6.

548,656. Azo Dyestuffs. Alliance Color & Chemical Co., Newark, N. J.
Filed Jan. 23, 1950, Serial No. 591,269. Published July 10, 1951. Class 6.

548,657. Blankets Made Wholly of Cotton, of Cotton and Rayon, or of Cotton, Rayon, and Wool. Beacon Manufacturing Company, Swannanoa, N. C.
Filed Jan. 24, 1950, Serial No. 591,345. Published June 26, 1951. Class 42.

548,658. Babies' and Children's Bibs. Robert E. Woods, Dayton, Ohio.
Filed Feb. 1, 1950, Serial No. 591,824. Published June 26, 1951. Class 39.

548,659. Seeds for Agricultural and Horticultural Purposes. Law Somner Pty. Ltd., Melbourne, Victoria, Australia.
Filed Feb. 2, 1950, Serial No. 591,853. Published June 26, 1951. Class 1.

548,660. Hair Rinse, Lotion for Removing Loose Dandruff, Hair Dressing Lotion, and Permanent Wave Lotion. Richard Hudnut, New York, N. Y.
Filed Feb. 6, 1950, Serial No. 592,033. Published June 19, 1951. Class 51.

548,661. Women's and Children's Blouses and Dresses, Infants' Dresses, and Handkerchiefs. American Bleached Goods Company, Inc., New York, N. Y.
Filed Feb. 7, 1950, Serial No. 592,063. Published June 26, 1951. Class 39.

548,662. Salve. John V. Chicon, Ambridge, Pa.
Filed Feb. 9, 1950, Serial No. 592,193. Published June 12, 1951. Class 18.

548,663. Pillow Cases. S. Schafran & Co., Inc., New York, N. Y.
Filed Feb. 11, 1950, Serial No. 592,339. Published July 3, 1951. Class 42.

548,664. Men's and Boys' Clothing—Namely, Outer Shirts and Pants, Underwear Consisting of Undershirts, Drawers and Union Suits, and Moccasins Made of Leather, Rubber, or Fabric, and Combinations of These Materials. J. C. Penney Company, Wilmington, Del., and New York, N. Y.
Filed Feb. 21, 1950, Serial No. 592,836. Published June 12, 1951. Class 39.

548,665. Shower and Window Curtains. S. M. Ettinger Company, Chicago, Ill.
Filed Feb. 24, 1950, Serial No. 592,988. Published July 3, 1951. Class 42.

548,666. Siding for Walls of Buildings. Philip W. Bailey, Seattle, Wash.
Filed Feb. 27, 1950, Serial No. 593,098. Published May 22, 1951. Class 12.

548,667. Covered Plastic Boxes for Holding and Preserving Food. Tri-State Plastic Molding Co., Henderson, Ky.
Filed Mar. 2, 1950, Serial No. 593,302. Published June 26, 1951. Class 2.

548,668. Carbon Black Compounded With Aqueous or Oily Liquid, for Various Industrial Uses. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y.
Filed Mar. 3, 1950, Serial No. 593,353. Published July 10, 1951. Class 6.

548,669. Automatic Mechanically Operated Fire Alarm. The Fyr-Fyter Company, Dayton, Ohio.
Filed Mar. 4, 1950, Serial No. 593,406. Published June 5, 1951. Class 23.

548,670. Laminated Panels Having Metal Facings and Laminated Panels Having an Inner Metal Lamination. Johns-Manville Corporation, New York, N. Y.
Filed Mar. 4, 1950, Serial No. 593,415. Published May 22, 1951. Class 12.

548,671. Hose Reels. Harvey Baker Crawford, doing business as Craco Products Co., La Canada, Calif.
Filed Mar. 6, 1950, Serial No. 593,471. Published June 26, 1951. Class 2.

548,672. Men's and Boys' Dress, Sport, and Work Shirts. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed Mar. 7, 1950, Serial No. 593,534. Published May 8, 1951. Class 39.

548,673. Tablecloths, Towels, Sheets, Pillowcases, and Quilted Mattress Protectors. R. H. Macy & Co., Inc., New York, N. Y.
Filed Mar. 13, 1950, Serial No. 593,878. Published July 3, 1951. Class 42.

548,674. Light-Weight Additives for Drilling Fluids. Wellite Corporation, Tulsa, Okla.
Filed Jan. 23, 1950, Serial No. 593,954. Published July 10, 1951. Class 6.

548,675. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Mar. 16, 1950, Serial No. 594,019. Published July 3, 1951. Class 42.

548,676. Sweaters for Men, Women, Boys, and Girls. Glasgo Limited, Inc., Philadelphia, Pa.
Filed Mar. 16, 1950, Serial No. 594,040. Published June 26, 1951. Class 39.

548,677. Sheets, Pillow Cases, Blankets of Wool or Cotton, Bedspreads, and Comforters. Kresge-Newark, Inc., Newark, N. J.
Filed Feb. 15, 1950, Serial No. 594,177. Published July 3, 1951. Class 42.

548,678. Organic and Inorganic Chemicals and Synthetic Resins, Etc. Monsanto Chemical Company, St. Louis, Mo.
Filed Mar. 20, 1950, Serial No. 594,277. Published July 10, 1951. Class 6.

548,679. Women's and Girls' Dresses, Skirts, Shorts, Blouses, and Shirts. Cha-Cha Town, Fort Lauderdale, Fla.
Filed Mar. 22, 1950, Serial No. 594,358. Published June 5, 1951. Class 39.

548,680. Finger Nail Covers. Rafael Leon, Lambertville, N. J.
Filed Mar. 22, 1950, Serial No. 594,387. Published June 26, 1951. Class 44.

548,681. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 23, 1950, Serial No. 594,445. Published June 19, 1951. Class 52.

548,682. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 23, 1950, Serial No. 594,447. Published June 19, 1951. Class 52.

548,683. Synthetic and Natural Aromatic Chemicals and Essential Oils Used as Ingredients for Detergents and Soaps. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Mar. 23, 1950, Serial No. 594,449. Published June 19, 1951. Class 52.

548,684. Insulating Tapes, Particularly Adapted for Application to Pipes. Johns-Manville Corporation, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,469. Published May 22, 1951. Class 12.

548,685. Insulating Jackets or Wraps, Particularly Adapted for Application to Pipes. Johns-Manville Corporation, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,470. Published May 22, 1951. Class 12.

548,686. Asphalt Shingles. Johns-Manville Corporation, New York, N. Y.
Filed Mar. 23, 1950, Serial No. 594,471. Published May 22, 1951. Class 12.

548,687. Liquid Veterinary Preparation Used in the Treatment of Sarcoptic Mange on Dogs. Hancock & Hancock, Hillsville, Va.
Filed Mar. 24, 1950, Serial No. 594,540. Published June 19, 1951. Class 18.

548,688. Chemical Compositions—Namely, Compounds and Preparations Having General Use as Flavors and as Imitation Flavors. Dodge & Olcott, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,628. Published July 10, 1951. Class 6.

548,689. Umbrellas. International Umbrella Supply Corporation, Inc., New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,644. Published July 3, 1951. Class 41.

548,690. Cattle Semen. Central Ohio Breeding Association, Columbus, Ohio.
Filed Mar. 30, 1950, Serial No. 594,885. Published June 19, 1951. Class 1.

548,691. Polo Shirts, and Sweaters for Women and Girls. Roosevelt Mills, Inc., Manchester, Conn., and New York, N. Y.
Filed Mar. 30, 1950, Serial No. 594,920. Published June 5, 1951. Class 39.

548,692. Moist Heat Electrical Fomentation Pads for Therapeutic Use. Ottawa Therapeutic Appliances, Inc., Ottawa, Ill.
Filed Apr. 3, 1950, Serial No. 595,148. Published June 26, 1951. Class 44.

548,693. Aqueous Mixture of Solubilized Proteins—Namely, Casein, Glue, Alpha Protein, and the Like With Sulfated Fats and Fatty Esters To Be Used in an Aqueous Bath To Remove Graphite Soil From Nylon Lace and Fabrics While Such Nylon Lace and Fabrics Are Being Worked Between Squeeze Rolls in the Form of a Continuous Rope or Loop. Arkansas Company, Inc., Newark, N. J.
Filed Apr. 11, 1950, Serial No. 595,530. Published June 12, 1951. Class 52.

548,694. Vegetable and Flower Seeds of All Kinds. Midland Pelleted Seed Co., Saginaw, Mich.
Filed Apr. 12, 1950, Serial No. 595,611. Published June 26, 1951. Class 1.

548,695. Chest Respirators, Cuirasses and Air Pumps for Chest Respirators, Fluoro-Recording Cameras and Roll Film Cassettes for Use in the Examination of the Human Body. Fairchild Camera and Instrument Corporation, Jamaica, N. Y.
Filed Apr. 13, 1950, Serial No. 595,659. Published July 3, 1951. Class 44.

548,696. Hats and Caps for Men, Women, and Children, Made of Felt, Wool, Silk, Straw, Fabric, and Combinations Thereof. Clifford T. Hall, New York, N. Y.
Filed Apr. 13, 1950, Serial No. 595,662. Published June 5, 1951. Class 39.

548,697. House Paint, Varnish, Spar Varnish, Black Asphaltum Varnish, Natural Rubber Tire Paint, and Linoleum Varnish Finish. The Sargent-Gerke Co., Indianapolis, Ind.
Filed Apr. 14, 1950, Serial No. 595,742. Published July 3, 1951. Class 16.

548,698. Wall Paint. The Sargent-Gerke Co., Indianapolis, Ind.
Filed Apr. 14, 1950, Serial No. 595,744. Published July 3, 1951. Class 16.

548,699. Products for Rendering Fabrics Water Repellent. Dow Corning Corporation, Midland, Mich.
Filed Apr. 19, 1950, Serial No. 595,947. Published July 10, 1951. Class 6.

548,700. Hardwood Flooring. E. L. Bruce Company, Memphis, Tenn.
Filed Apr. 20, 1950, Serial No. 596,012. Published May 29, 1951. Class 12.

548,701. Textile Rugs. Frank B. Cooper, doing business as Frank Cooper Rug Manufacturing Company, Scranton, Pa.
Filed Apr. 20, 1950, Serial No. 596,015. Published July 3, 1951. Class 42.

548,702. Stereoscopic Instruments Used by Optometrists for Visual Training in the Treatment of Defects of Vision of the Human Eyes. Charles W. Ott, Maywood, Ill.
Filed Apr. 20, 1950, Serial No. 596,045. Published June 26, 1951. Class 44.

548,703. Respirators and Parts Thereof—Namely, Cartridges and Filters Sold as a Unit. Willson Products, Inc., Reading, Pa.
Filed Apr. 13, 1950, Serial No. 596,060. Published July 3, 1951. Class 44.

548,704. Semi-Paste Paints, Ready Mixed Paints, Flat Paints, Interior Enamels, Exterior Enamels, and Varnishes. Atlantic Paint & Varnish Works, Inc., Wilmington, N. C.
Filed Apr. 28, 1950, Serial No. 596,473. Published July 3, 1951. Class 16.

548,705. Complete Upward-Acting Door Installations Comprising Door and Hardware Sold as a Unit. Crawford Door Company, Detroit, Mich.
Filed Apr. 29, 1950, Serial No. 596,560. Published May 29, 1951. Class 12.

548,706. Complete Upward-Acting Door Installations Comprising Door and Hardware Sold as a Unit. Crawford Door Company, Detroit, Mich.
Filed Apr. 29, 1950, Serial No. 596,562. Published May 29, 1951. Class 12.

548,707. Boys' Slacks, Overalls, Overall Union Suits, Boxer Longies, and Denim Dungarees. Hortex Manufacturing Co. Inc., El Paso, Tex.
Filed May 5, 1950, Serial No. 596,921. Published May 22, 1951. Class 39.

548,708. Gasket Cement. The Pep Boys—Manny, Moe & Jack, Philadelphia, Pa.
Filed May 5, 1950, Serial No. 596,942. Published June 26, 1951. Class 5.

548,709. Bags Formed of Polyethylene Film Material for Packaging Frozen Poultry. Shellmar Products Corporation, Chicago, Ill.
Filed May 10, 1950, Serial No. 597,231. Published June 26, 1951. Class 2.

548,710. Prefabricated Dog-Houses. Andrew M. Gant, Nashville, Tenn.
Filed May 17, 1950, Serial No. 597,604. Published May 29, 1951. Class 12.

548,711. Fertilizers, Particularly Chemical Mixtures Including Nitrogen, Phosphorus, and Potassium. The Snyder Chemical Company, Inc., Topeka, Kans.
Filed Mar. 31, 1950, Serial No. 597,857. Published July 10, 1951. Class 10.

548,712. Ladies' and Children's Hats. Consolidated Millinery Company, Chicago, Ill.
Filed May 22, 1950, Serial No. 597,874. Published June 5, 1951. Class 39.

548,713. Women's Wearing Apparel—Namely, Dresses. Lindy Joan, Inc., New York, N. Y.
Filed May 22, 1950, Serial No. 597,889. Published July 3, 1951. Class 39.

548,714. Thermally Insulated Picnic Jugs. Mirax Chemical Products Corporation, St. Louis, Mo.
Filed May 22, 1950, Serial No. 597,893. Published July 3, 1951. Class 2.

548,715. Personal Deodorant. Kay Daumit, Inc., Jersey City, N. J.
Filed May 23, 1950, Serial No. 597,947. Published June 26, 1951. Class 51.

548,716. Metal Window Sash, Metal Window Frames, Metal Window Casements, Metal Storm Sash, Metal Storm Windows, Metal Window Screens. Corry-Jamestown Manufacturing Corp., Corry, Pa.
Filed May 27, 1950, Serial No. 598,244. Published June 26, 1951. Class 12.

548,717. Men's, Women's, and Children's Outerwear—Namely, Sports Shirts and Scarves; Etc. Supacut Garments Limited, Nottingham, England.
Filed June 2, 1950, Serial No. 598,510. Published June 5, 1951. Class 39.

548,718. Pressure-Sensitive Adhesive Tapes. Behr-Manning Corporation, Troy, N. Y.
Filed June 6, 1950, Serial No. 598,629. Published June 12, 1951. Class 5.

548,719. Liquid Soap. Banfree Products Company, Wellsville, N. Y.
Filed June 9, 1950, Serial No. 598,828. Published June 26, 1951. Class 52.

548,720. Men's and Boys' Wearing Apparel—Namely, T-Shirts, Sport Shirts, Undershirts, Shorts, Sweaters, Jackets, and Hosiery. The M. Conley Company, Canton, Ohio.
Filed June 15, 1950, Serial No. 599,155. Published June 5, 1951. Class 39.

548,721. Paint or Similar Type Tint for Cork Boards. Charles Nelson Specialties Co., Inc., Pasadena, Calif.
Filed June 16, 1950, Serial No. 599,254. Published June 12, 1951. Class 16.

548,722. Construction Materials—Namely, Unfinished Plywood Shapes in the Form of Shells and Panels; Etc. Haskelite Manufacturing Corporation, Grand Rapids, Mich.
Filed June 19, 1950, Serial No. 599,373. Published May 29, 1951. Class 12.

548,723. Perfumes and Toilet Waters. Manufacturers and Importers of French Perfumes, Dover, Del., and New York, N. Y.
Filed June 20, 1950, Serial No. 599,444. Published June 26, 1951. Class 51.

548,724. Silica. Thomas Jefferson Williams, Buenos Aires, Argentina.
Filed June 22, 1950, Serial No. 599,604. Published June 12, 1951. Class 1.

548,725. Additive for Fuels or Oils for Internal Combustion Engines To Loosen Valves and Rings. Harry P. Klassen, El Monte, Calif.
Filed June 23, 1950, Serial No. 599,638. Published June 19, 1951. Class 15.

548,726. Gratings for Flooring, Stair Treads, and Catwalks. The Tri-Lok Company, Pittsburgh, Pa.
Filed June 23, 1950, Serial No. 599,667. Published May 29, 1951. Class 12.

548,727. Preparation for Use in Paints To Prevent Skinning. Allied Chemical & Dye Corporation, New York, N. Y.
Filed June 27, 1950, Serial No. 599,800. Published July 3, 1951. Class 16.

548,728. Wheel-Mounted Shovels, Lifting Cranes, Clamshells, Etc. Link-Belt Speeder Corporation, Cedar Rapids, Iowa.
Filed June 28, 1950, Serial No. 599,881. Published June 5, 1951. Class 23.

548,729. Inhaler for Imparting a Pleasant Odor to the Breath, Said Inhaler Being in the Form of a Relatively Small Implement To Be Carried in the Pocket or the Like, Etc. Anthony Falcone, Newark, N. J.
Filed June 29, 1950, Serial No. 599,935. Published June 26, 1951. Class 44.

548,730. Hair Nets, Neckerchiefs, and Cummerbunds. Jet Knitting Mills, Inc., Brooklyn, N. Y.
Filed June 29, 1950, Serial No. 599,951. Published July 3, 1951. Class 39.

548,731. Hydraulic Ram Assembly for Attachment to Tractor-Drawn Agricultural Equipment—Namely, Harrows. Orkil, Incorporated, East Hartford, Conn.
Filed July 1, 1950, Serial No. 600,141. Published June 5, 1951. Class 23.

548,732. Bending Machines for Forming Sheet Metal Stripe. McMath-Axilrod Corporation, Dallas, Tex.
Filed July 6, 1950, Serial No. 600,299. Published June 5, 1951. Class 23.

548,733. Men's Dress Shirts. The Manhattan Shirt Company, New York, N. Y.
Filed July 7, 1950, Serial No. 600,343. Published May 22, 1951. Class 39.

548,734. Beads, Except of Precious Metal. Elliot, Greene & Co. Inc., New York, N. Y.
Filed July 11, 1950, Serial No. 600,474. Published July 3, 1951. Class 40.

548,735. Textile Fabrics in the Piece, Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed July 12, 1950, Serial No. 600,532. Published July 3, 1951. Class 42.

548,736. Lakes and Dry Colors for the Manufacture of Paints and Varnishes. Fine Colors Company, Paterson, N. J.
Filed July 14, 1950, Serial No. 600,655. Published June 12, 1951. Class 16.

548,737. Power Driven Earth Tiller Having Rotating Blades. Edward R. Taylor, doing business as Taylor Precision Mfg. Co., Rocky River, Ohio.
Filed July 14, 1950, Serial No. 600,706. Published June 26, 1951. Class 23.

548,738. Fertilizer. Red Lane Calcareous Sinter Co. Inc., Thermopolis, Wyo., and Billings, Mont.
Filed July 20, 1950, Serial No. 600,974. Published July 10, 1951. Class 10.

548,739. Hand Make-Up Lotion, Liquid Face Cream, and Liquid Cleansing Tonic in the Nature of an Astringent. Juliette Bendix, New York, N. Y.
Filed July 21, 1950, Serial No. 601,017. Published June 19, 1951. Class 51.

548,740. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed July 21, 1950, Serial No. 601,019. Published July 3, 1951. Class 42.

548,741. Men's, Women's, and Children's Hosiery. Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y.
Filed July 21, 1950, Serial No. 601,075. Published July 3, 1951. Class 39.

548,742. Paper File Clips. The Dura-Clip Co., Louisville, Ky.
Filed July 22, 1950, Serial No. 601,099. Published May 29, 1951. Class 37.

548,743. Women's Hosiery. Glen Raven Knitting Mills, Inc., Glen Raven, N. C.
Filed July 27, 1950, Serial No. 601,322. Published July 3, 1951. Class 39.

548,744. Inflated Rayon Yarn. The Hartford Rayon Corporation, Rocky Hill, Conn.
Filed July 29, 1950, Serial No. 601,435. Published July 3, 1951. Class 43.

548,745. Medicinal Preparation of Thenylpyramine and cyclopentamine Hydrochloride Used in the Treatment of Hay Fever and Allergic Rhinitis. Eli Lilly and Company, Indianapolis, Ind.
Filed July 29, 1950, Serial No. 601,447. Published June 12, 1951. Class 18.

548,746. Medicinal Preparation for Liver and Gall Bladder Ailments. Gallia Laboratories, Inc., New York, N. Y.
Filed Aug. 1, 1950, Serial No. 601,542. Published June 12, 1951. Class 18.

548,747. Lining Fabrics Made of Alpaca Wool and Cotton. Gloversville Knitting Company, Gloversville, N. Y.
Filed Aug. 2, 1950, Serial No. 601,614. Published July 3, 1951. Class 42.

548,748. Flavoring Syrups for Ice Cream and for Other Food Products. Gerald G. Balch, doing business as Balch Flavor Company, Pittsburgh, Pa.
Filed Aug. 7, 1950, Serial No. 601,817. Published July 3, 1951. Class 46.

548,749. Women's and Misses' Hosiery. Cressida, Inc., Philadelphia, Pa.
Filed Aug. 7, 1950, Serial No. 601,821. Published June 26, 1951. Class 39.

548,750. Sutures and Ligatures. Ethicon Suture Laboratories Incorporated, New Brunswick, N. J.
Filed Aug. 9, 1950, Serial No. 601,985. Published June 19, 1951. Class 44.

548,751. Medical Preparation—Namely, a Mild Counter-irritant Ointment. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Aug. 10, 1950, Serial No. 602,052. Published June 19, 1951. Class 18.

548,752. Medical Preparation—Namely, a Germicidal and Fungicidal Solution. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Aug. 10, 1950, Serial No. 602,058. Published June 19, 1951. Class 18.

548,753. Shoe Polish. Sigma Chemical Company, St. Louis, Mo.
Filed Aug. 14, 1950, Serial No. 602,170. Published June 26, 1951. Class 4.

548,754. Safflower Oil, a Raw Material Intermediate, Used in the Manufacture of Paints, Etc. Petroleum Specialties Company, St. Louis, Mo.
Filed Aug. 15, 1950, Serial No. 602,213. Published June 26, 1951. Class 6.

548,755. Lecithin Preparation Used in the Manufacture of Certain Pharmaceuticals, Bakery Products, Paints, Ice Cream, and Oleomargarine. Scharringhausen Pharmacy, Park Ridge, Ill.
Filed Aug. 16, 1950, Serial No. 602,288. Published July 10, 1951. Class 6.

548,756. Canned Vegetables. Northwest Packing Co., Portland, Oreg.
Filed Aug. 17, 1950, Serial No. 602,328. Published June 5, 1951. Class 46.

548,757. Golf Clubs. Tracy S. Park, Houston, Tex.
Filed Aug. 17, 1950, Serial No. 602,331. Published July 10, 1951. Class 22.

548,758. Aluminum Awnings. Airflo Aluminum Awning Co., Los Angeles, Calif.
Filed Aug. 18, 1950, Serial No. 602,355. Published May 29, 1951. Class 12.

548,759. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed Aug. 18, 1950, Serial No. 602,361. Published June 26, 1951. Class 39.

548,760. Chemical Compounds of Active Oxygen Materials, Etc. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Aug. 21, 1950, Serial No. 602,501. Published July 10, 1951. Class 6.

548,761. Canned Cat Food. The French Sardine Company of California, Terminal Island, Calif.
Filed Aug. 22, 1950, Serial No. 602,551. Published June 5, 1951. Class 46.

548,762. Leathers. Colonial Tanning Company, Inc., Boston, Mass.
Filed Aug. 25, 1950, Serial No. 602,748. Published June 12, 1951. Class 1.

548,763. Methyl Methacrylate Monomer and Methyl Methacrylate Polymer. The L. D. Caulk Company, Milford, Del.
Filed Aug. 28, 1950, Serial No. 602,822. Published July 10, 1951. Class 6.

548,764. Manganese Oxide. Foote Mineral Company, Philadelphia, Pa.
Filed Aug. 28, 1950, Serial No. 602,837. Published July 10, 1951. Class 6.

548,765. Fatty Acids. W. C. Hardesty Company, Inc., New York, N. Y.
Filed Aug. 30, 1950, Serial No. 602,943. Published July 10, 1951. Class 6.

548,766. Corn Oil and Peanut Oil, Blended With Olive Oil. Cimino Bros., Inc., New Haven, Conn.
Filed Sept. 1, 1950, Serial No. 603,049. Published June 19, 1951. Class 46.

548,767. Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware.
Filed Sept. 1, 1950, Serial No. 603,053. Published July 10, 1951. Class 18.

548,768. Anti-Freeze Solution, Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 1, 1950, Serial No. 603,058. Published July 10, 1951. Class 6.

548,769. Colors for Cosmetic Purposes. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 603,100. Published June 19, 1951. Class 51.

548,770. Collars and Negligee and Dress Shirts. Cluett, Peabody & Co. Inc., Troy, N. Y.
Filed Sept. 8, 1950, Serial No. 603,287. Published June 5, 1951. Class 39.

548,771. Windows and Window Frame. Jenshiro Teruya, New York, N. Y.
Filed Sept. 8, 1950, Serial No. 603,320. Published May 29, 1951. Class 12.

548,772. Brushes for Cleaning Bottles. Jenshiro Teruya, New York, N. Y.
Filed Sept. 8, 1950, Serial No. 603,321. Published July 3, 1951. Class 29.

548,773. Animal and Chemical Fertilizers. Inland Fertilizer Co., Los Angeles, Calif.
Filed Aug. 4, 1950, Serial No. 603,329. Published July 10, 1951. Class 10.

548,774. Ointment for Treating Skin Irritations. William Rupp, doing business under the name Anthron Products, East Orange, N. J.
Filed Sept. 9, 1950, Serial No. 603,382. Published June 12, 1951. Class 18.

548,775. Mixtures of Odorous Essential Oils and Aromatic Chemicals Principally of the Class of Alcohols, Aldehydes, Esters, and Ketones Used in the Odorization or Reodorization of Rubber, Plastics, Textiles, Textile Finishes, Paper, Leather, Aerosol-Propelled Products of Various Types, and Other Industrial Products. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Sept. 12, 1950, Serial No. 603,441. Published July 10, 1951. Class 6.

548,776. Printing Inks. J. M. Huber Corporation, Red Bank, N. J., and New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,450. Published July 10, 1951. Class 11.

548,777. Sterilising Material for Preparing Solutions for Use in Rinsing Articles Such as Glassware and Dishes. J. C. Paul & Co., Chicago, Ill.
Filed Sept. 12, 1950, Serial No. 603,457. Published July 10, 1951. Class 6.

548,778. Stoles. Schwartz-Mickity, Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,462. Published June 5, 1951. Class 39.

548,779. Compost Activator. Chase Protected Cultivation Limited, Chertsey and Shepperton, England.
Filed Sept. 14, 1950, Serial No. 603,518. Published July 10, 1951. Class 10.

548,780. Powdered Calcium. The Georgia Marble Company, Tate, Ga.
Filed Sept. 14, 1950, Serial No. 603,525. Published July 10, 1951. Class 6.

548,781. Perfumes and Toilet Waters, Rouge, Face Powder, Lipstick. Jean Despres, Paris, France.
Filed Sept. 15, 1950, Serial No. 603,578. Published June 19, 1951. Class 51.

548,782. Medicinal Preparation for Use in the Treatment of Respiratory Tract Conditions. Smith, Kline & French Laboratories, Philadelphia, Pa.
Filed Sept. 15, 1950, Serial No. 603,603. Published June 12, 1951. Class 18.

548,783. Silicone Containing Additive Compounds for Paints, Enamels, Varnishes, and the Like. Stuart-Hazard, Inc., Inglewood, Calif.
Filed Sept. 16, 1950, Serial No. 603,653. Published July 3, 1951. Class 16.

548,784. Paper Bags. Chase Bag Company, Chicago, Ill.
Filed Sept. 19, 1950, Serial No. 603,727. Published June 26, 1951. Class 2.

548,785. Rodenticide. Dr. Hess & Clark, Inc., Ashland, Ohio.
Filed Sept. 19, 1950, Serial No. 603,737. Published July 10, 1951. Class 6.

548,786. Men's Neckties and Scarfs. Wembley, Inc., New Orleans, La.
Filed Sept. 19, 1950, Serial No. 603,753. Published June 12, 1951. Class 39.

548,787. Hand Lotion. Colgate-Palmolive-Peet Company. Jersey City, N. J.
Filed Sept. 20, 1950, Serial No. 603,768. Published June 26, 1951. Class 51.

548,788. Chemical Compound in Tablet Form for Activation of the Bacteria in Septic Tanks. A. H. T. Field & Co. Ltd., Vancouver, British Columbia, Canada.
Filed Sept. 21, 1950, Serial No. 603,841. Published July 10, 1951. Class 6.

548,789. Fishing Rods. Uslan, Incorporated, Spring Valley, N. Y.
Filed Sept. 21, 1950, Serial No. 603,868. Published July 10, 1951. Class 22.

548,790. Hats for Men and Women. Hat Corporation of America, Norwalk, Conn.
Filed Sept. 23, 1950, Serial No. 603,924. Published June 12, 1951. Class 39.

548,791. Men's and Boys' Dress Shirts, Outer Sport Shirts, Outer Work Shirts, Jackets and Coats, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,023. Published June 12, 1951. Class 39.

548,792. Canned Fruits. Frank M. Wilson Company, Stockton, Calif.
Filed Sept. 26, 1950, Serial No. 604,056. Published July 3, 1951. Class 46.

548,793. Adrenolytic and Sympatholytic Agent Marketed in the Form of Tablets and Solution for Parenteral Injection. Ciba Pharmaceutical Products, Inc., Summit, N. J.
Filed Oct. 2, 1950, Serial No. 604,295. Published June 12, 1951. Class 18.

548,794. Medicinal Preparation of Bacterial Origin Which Promotes Diffusability of Fluids in Tissues. Organon Inc., Orange, N. J.
Filed Oct. 5, 1950, Serial No. 604,487. Published June 12, 1951. Class 18.

548,795. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Oct. 6, 1950, Serial No. 604,529. Published July 3, 1951. Class 2.

548,796. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Oct. 6, 1950, Serial No. 604,530. Published July 3, 1951. Class 2.

548,797. Analgesic Preparations. E. R. Squibb & Sons, New York, N. Y.
Filed Oct. 7, 1950, Serial No. 604,602. Published June 12, 1951. Class 18.

548,798. Fresh Lettuce and Fresh Cantaloupes. O. R. Recker, doing business as O. R. Recker Packing Co., Phoenix, Ariz.
Filed Oct. 9, 1950, Serial No. 604,661. Published July 10, 1951. Class 46.

548,799. Candy. Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Filed Oct. 9, 1950, Serial No. 604,675. Published July 10, 1951. Class 46.

548,800. Metal and Wooden Crates and Cases for Milk and Other Type Bottles. Cesco Container Company, New York, N. Y.
Filed Oct. 10, 1950, Serial No. 604,686. Published July 3, 1951. Class 2.

548,801. Paper Bags. Thomas M. Royal & Co., Philadelphia, Pa.
Filed Oct. 10, 1950, Serial No. 604,706. Published July 3, 1951. Class 2.

548,802. Insecticides. Frank Kouril, Jr., doing business as Frank's Market Garden, Springfield, Mass.
Filed Oct. 11, 1950, Serial No. 604,725. Published July 10, 1951. Class 6.

548,803. Liquid Aromatic Petroleum Oil for Use as a Herbicide. Socony-Vacuum Oil Company, Incorporated, New York, N. Y.
Filed Oct. 11, 1950, Serial No. 604,749. Published July 10, 1951. Class 6.

548,804. Coal-Tar Colors. Ciba Limited, Basel, Switzerland.
Filed Oct. 12, 1950, Serial No. 604,767. Published July 10, 1951. Class 6.

548,805. Brassières. Gem-Dandy, Inc., Madison, N. C.
Filed Oct. 12, 1950, Serial No. 604,776. Published July 3, 1951. Class 39.

548,806. Paper Bags. Gulf States Paper Corporation, Tuscaloosa, Ala.
Filed Oct. 12, 1950, Serial No. 604,779. Published July 3, 1951. Class 2.

548,807. Synthetic Polyester Resins. Atlas Powder Company, Wilmington, Del.
Filed Oct. 13, 1950, Serial No. 604,832. Published July 10, 1951. Class 6.

548,808. Liquid Storage Tanks. Chicago Bridge & Iron Company, Chicago, Ill.
Filed Oct. 13, 1950, Serial No. 604,839. Published July 3, 1951. Class 2.

548,809. Fresh Grapes and Fresh Deciduous Fruits. Lamanuzzi and Pantaleo, Fresno, Calif.
Filed Oct. 13, 1950, Serial No. 604,851. Published July 3, 1951. Class 46.

548,810. Motor Oil. Automobile Dealers Associates, Inc., Chicago, Ill.
Filed Oct. 14, 1950, Serial No. 604,896. Published June 19, 1951. Class 15.

548,811. Pneumatic Tires. Lee Rubber and Tire Corporation, Conshohocken, Pa.
Filed Oct. 17, 1950, Serial No. 605,041. Published July 10, 1951. Class 35.

548,812. Gasoline. The Atlantic Refining Company, Philadelphia, Pa.
Filed Oct. 18, 1950, Serial No. 605,087. Published June 19, 1951. Class 15.

548,813. Mechanical Doll Which Speaks When Clothes Are Hung on it. Tee-Chum Enterprises, Pittsburgh, Pa.
Filed Oct. 19, 1950, Serial No. 605,180. Published July 10, 1951. Class 22.

548,814. Home Cold Wave Kit Containing Curlers Upon Which the Hair May Be Wound, Self-Neutralizing Lotion, and Cotton Applicators for Applying the Solution. Lee Pharmacal Co., Beverly Hills, Calif.
Filed Oct. 23, 1950, Serial No. 605,313. Published June 12, 1951. Class 44.

548,815. Girdles and Panties. Silk Skin Inc., New York, N. Y.
Filed Oct. 25, 1950, Serial No. 605,446. Published July 3, 1951. Class 39.

548,816. Play Suits, Slacks, Sun Suits, Etc. Valmy Garment Company, Inc., Hammond, La.
Filed Oct. 26, 1950, Serial No. 605,541. Published July 3, 1951. Class 39.

548,817. Metal and Woodworking Machinery—Namely, Lathes, Etc. Aldens, Inc., Chicago, Ill.
Filed Nov. 2, 1950, Serial No. 605,777. Published June 5, 1951. Class 23.

548,818. Metal and Woodworking Machinery—Namely, Lathes, Bench Saws and Blades, Etc. Aldens, Inc., Chicago, Ill.
Filed Nov. 2, 1950, Serial No. 605,778. Published June 5, 1951. Class 23.

548,819. Metal and Woodworking Machinery—Namely, Lathes, Etc. Aldens, Inc., Chicago, Ill.
Filed Nov. 2, 1950, Serial No. 605,780. Published June 5, 1951. Class 23.

548,820. Trimming Boards for Sheet Material. Leroy B. Johnson, doing business as Dex Trimmer, Los Altos, Calif.
Filed Nov. 6, 1950, Serial No. 605,956. Published June 26, 1951. Class 23.

548,821. Toy Pistols Designed To Shoot Expendable Flexible Rolls of Paper or Plastic. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,123. Published July 10, 1951. Class 22.

548,822. Rayon Fabrics in the Piece. National Mallinson Fabrics Corporation, New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,313. Published June 26, 1951. Class 42.

548,823. Cameras. Ercona Camera Corporation, New York, N. Y.
Filed Nov. 15, 1950, Serial No. 606,421. Published May 29, 1951. Class 26.

548,824. Card Table Covers. Robert Emery Gardner, Churchville, N. Y.
Filed Nov. 17, 1950, Serial No. 606,525. Published July 3, 1951. Class 42.

548,825. Woolen Piece Goods. Forstmann Woolen Co., Passaic, N. J.
Filed Nov. 18, 1950, Serial No. 606,603. Published June 26, 1951. Class 42.

548,826. Fishing Lines. B. F. Gladding & Co., Inc., South Otselic, N. Y.
Filed Nov. 18, 1950, Serial No. 606,606. Published July 10, 1951. Class 22.

548,827. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Nov. 21, 1950, Serial No. 606,695. Published June 26, 1951. Class 42.

548,828. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Nov. 21, 1950, Serial No. 606,697. Published June 26, 1951. Class 42.

548,829. White, Black, and Colored Drawing Inks; Blue Print Writing Fluid; and Block Out Ink. The Frederick Post Company, Chicago, Ill.
Filed Dec. 9, 1950, Serial No. 607,495. Published July 10, 1951. Class 11.

548,830. Bandalore Toy Spinning Tops. All Western Plastics, Inc., Scottsbluff, Nebr.
Filed Dec. 11, 1950, Serial No. 607,534. Published July 10, 1951. Class 22.

548,831. Coin Changing and Dispensing Mechanism. Wilbur F. Read, doing business under the assumed name of W. F. Read & Company, Coldwater, Mich.
Filed Dec. 11, 1950, Serial No. 607,560. Published June 5, 1951. Class 26.

548,832. Motion Picture Film. Turfvision, Alhambra, Calif.
Filed Dec. 19, 1950, Serial No. 607,877. Published June 5, 1951. Class 26.

548,833. Educational Kindergarten Toy, Etc. Childhood Interests, Inc., Roselle Park, N. J.
Filed Dec. 27, 1950, Serial No. 608,102. Published July 10, 1951. Class 22.

548,834. Hand Tools Consisting of Drills, Pliers, Hand Saws, Etc. New York Merchandise Co., Inc., New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,617. Published June 5, 1951. Class 23.

548,835. Antifriction Bearings and Housings Therefor. Gertrude C. Van Pelt, doing business as The Van Pelt Electric Co., Pittsburgh, Pa.
Filed Jan. 12, 1951, Serial No. 608,725. Published June 5, 1951. Class 23.

548,836. Testing Candle To Detect Presence of Escaping Gases From Refrigeration Equipment. Meed Engineering Corporation, Milwaukee, Wis.
Filed Jan. 17, 1951, Serial No. 608,877. Published June 5, 1951. Class 26.

548,837. Bellows Type Thermostats for Controlling the Temperature of Coolants in Internal Combustion Engines. Robertshaw-Fulton Controls Company, Greensburg, Pa.
Filed Jan. 18, 1951, Serial No. 608,950. Published June 12, 1951. Class 26.

548,838. Toy Kits for Children—Namely, Miniature Make-Up Kits, Manicure Kits, and Shoe Shine Kits, Eugene L. Ach, Cincinnati, Ohio.
Filed Jan. 19, 1951, Serial No. 608,975. Published July 10, 1951. Class 22.

548,839. Camera Lenses. Paillard Products, Inc., New York, N. Y.
Filed Jan. 25, 1951, Serial No. 609,253. Published June 12, 1951. Class 26.

548,840. Trowels and Saws. Herman V. Matz, doing business under the name and style of Peerless Tool Company, New York, N. Y.
Filed Jan. 26, 1951, Serial No. 609,306. Published June 5, 1951. Class 23.

548,841. Rotary Pump. Rockledge Mfg. Co., Holden, Mo.
Filed Feb. 23, 1951, Serial No. 610,465. Published June 5, 1951. Class 23.

548,842. Artificial Fish Lure. The Ross Bait Manufacturing Co., Akron, Ohio.
Filed Feb. 26, 1951, Serial No. 610,525. Published July 10, 1951. Class 22.

548,843. Auger Bits. Snell Manufacturing Company, Fiskdale and Worcester, Mass.
Filed Feb. 27, 1951, Serial No. 610,590. Published June 5, 1951. Class 23.

548,844. Glasses for Viewing Television Screens. Bausch & Lomb Optical Company, Rochester, N. Y.
Filed Mar. 2, 1951, Serial No. 610,732. Published June 19, 1951. Class 26.

548,845. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,826. Published July 10, 1951. Class 22.

548,846. Toy Shaving Kits. Eugene L. Ach, Cincinnati, Ohio.
Filed Mar. 31, 1951, Serial No. 612,057. Published July 10, 1951. Class 22.

Service Marks

548,847. Repairing Diesel Engines and Metal Work Incident to Ship Repair. West Winds, Incorporated, San Francisco, Calif.
Filed July 21, 1950, Serial No. 601,085. Published July 3, 1951. Class 103.

548,848. Maintenance and Reconditioning Service for Oil Burners. Shell Oil Company, New York, N. Y.
Filed Dec. 14, 1949, Serial No. 589,340. Published July 3, 1951. Class 103.

548,849. Motor Hotel Services. Arthur Cullen Lewis, Jr., doing business as Bellemont Motor Hotels, Baton Rouge, La.
Filed July 1, 1949, Serial No. 581,429. Published July 3, 1951. Class 100.

548,850. Air Transportation of Persons, Property, and Mail. Eastern Air Lines, Inc., New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,376. Published May 2, 1950. Class 105.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

548,851. (Class 11. Inks and Inking Materials.) W. A. Sheaffer Pen Company, Fort Madison, Iowa. Original filed, act of 1946, Principal Register, July 7, 1947; amended to application, Supplemental Register, June 18, 1949, Serial No. 528,078.



For Writing Fluids.
Claims use since 1933.

548,852. (Class 16. Paints and Painters' Materials.) Hart and Burns, Incorporated, Riverside, Calif. Original filed, act of 1905, Feb. 15, 1947; amended to application under act of 1946, Principal Register, Nov. 9, 1948; amended to Supplemental Register, Oct. 3, 1949, Serial No. 517,574.

NAVICOTE

For Prepared, Ready-Mixed, Oil Paints, Varnishes, Paint Enamels, Lacquers, Antifouling and Marine Paints.
Claims use since Jan. 28, 1947.

548,853. (Class 16. Paints and Painters' Materials.) V. Jack Vincent, doing business as Pur-O-Zone Chemical Company, Lawrence, Kans. Original filed, act of 1946, Principal Register, Aug. 11, 1947; amended to application, Supplemental Register, Dec. 14, 1950, Serial No. 531,093.

Satin-Seal

The word "Seal" is disclaimed.
For Clear Sealing and Protective Floor Finishes in Liquid Form To Prevent Wear Resulting From Hard Use.
Claims use since July 12, 1947.

548,854. (Class 39. Clothing.) P. H. Hanes Knitting Company, Winston-Salem, N. C. Original filed, act of 1946, Principal Register, Aug. 15, 1947; amended to application, Supplemental Register, July 23, 1951, Serial No. 531,470.

SNUG-TITES

For Knit and Woven Underwear for Men, Women, and Children, and Children's Sleepers.
Claims use since Feb. 17, 1936.

548,855. (Class 39. Clothing.) Paramount Cravat Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 1, 1947; amended to application, Supplemental Register, Aug. 18, 1949, Serial No. 542,874.

Yorkshire

For Neckwear—Namely, Neckties.
Claims use since February 1947.

548,856. (Class 32. Furniture and Upholstery.) McCaldry, Inc., Oakland, Calif. Original filed, act of 1946, Principal Register, Jan. 3, 1948; amended to application, Supplemental Register, Dec. 4, 1950, Serial No. 546,116.

ROLAROUND

For Adjustable Seat for Dentists, Barbers, and the Like.
Claims use since Oct. 25, 1946.

548,857. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Coates Mfg. Co., Loma Linda, Calif. Original filed, act of 1946, Principal Register, Apr. 8, 1948; amended to application, Supplemental Register, May 25, 1951, Serial No. 554,099.



The drawing is lined for gold and red.
For Motor Driven Garden Tractors.
Claims use since Jan. 2, 1948.

548,858. (Class 16. Paints and Painters' Materials.) The Simonis Company, Chicago, Ill. Original filed, act of 1946, Principal Register, May 19, 1948; amended to application, Supplemental Register, Apr. 4, 1951, Serial No. 557,394.

MOTORISTS WISE
SIMONIZ

For Hard Paste Wax-Like Material for Providing a Protective and Preservative Coating or Film and Adapted Particularly for Use on Automobile Bodies and Other Painted Surfaces.
Claims use since Jan. 15, 1923.

548,859. (Class 39. Clothing.) Ray F. Alt, doing business as Alt Mfg. & Dist. Co., Toledo, Ohio. Original filed, act of 1946, Principal Register, May 22, 1948; amended to application, Supplemental Register, Jan. 7, 1950, Serial No. 557,580.

NO-SEW INSTANT POCKET

For Fabric Pocket for Replacing or Repairing Worn Pockets of Garments.
Claims use since June 1947.

548,860. (Class 26. Measuring and Scientific Appliances.) Columbia Protektosite Co, Inc., Carlstadt, N. J., assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J., a corporation of Delaware. Original filed, act of 1946, Principal Register, May 27, 1948; amended to application, Supplemental Register, Mar. 1, 1951, Serial No. 557,904.

Lustré

For Sun Glasses, Goggles, and Eye-Glass Frames.
Claims use since Apr. 1, 1948.

548,861. (Class 36. Musical Instruments and Supplies.) Stoffel Seals Corporation, Tuckahoe, N. Y. Original filed, act of 1946, Principal Register, June 14, 1948; amended to application, Supplemental Register, Feb. 28, 1951, Serial No. 559,187.

Tell

For Musical Instruments—Namely, Accordions.
Claims use since Apr. 11, 1946.

548,862. (Class 32. Furniture and Upholstery.) Johnson-Carper Furniture Company, Incorporated, Roanoke, Va. Original filed, act of 1946, Principal Register, Aug. 5, 1948; amended to application, Supplemental Register, Mar. 7, 1950, Serial No. 562,861.

Fashion Trend

For Furniture — Namely, Beds, Dressers, Vanities, Chests, Chest Robes, Mirrors, Night Tables, Book Cases, and Benches.
Claims use since February 1947.

548,863. (Class 16. Paints and Painters' Materials.) The Artcraft Manufacturing Co., Cleveland, Ohio. Original filed, act of 1946, Principal Register, Sept. 14, 1948; amended to application, Supplemental Register, Dec. 1, 1949, Serial No. 565,099.

☆ ARTCRAFT ☆

Applicant claims ownership of Registration No. 261,425.
For Paint Enamels; Oil Paints; Ready Mixed Aluminum, Bronze, and Gold Oil Paints; Utility Aluminum Paint; Paint Brush Cleaners; Shellac; Bronze, Aluminum, and Gold Powder To Be Used in Oil Paints; and Pure Oil Paint Colors.
Claims use since April 1926.

548,864. (Class 26. Measuring and Scientific Appliances.) Picture Recording Company, Oconomowoc, Wis. Original filed, act of 1946, Principal Register, Nov. 17, 1948; amended to application, Supplemental Register, May 9, 1951, Serial No. 568,975.

PICTUR ● VISION

Applicant claims ownership of Registration No. 404,829.
For Projector Screen for Still Pictures, Including Cabinet Therefor, Said Cabinet Housing a Light Source and Picture Changing Mechanism.
Claims use since Jan. 26, 1948.

548,865. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Old Bennington Weavers, Inc., Bennington, Vt. Original filed, act of 1946, Principal Register, Dec. 15, 1948; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 570,573.

Benningtweed

For Woolen Cloth Piece Goods.
Claims use since June 3, 1948.

548,866. (Class 26. Measuring and Scientific Appliances.) The Bates Manufacturing Company, Orange, N. J. Original filed, act of 1946, Principal Register, Feb. 13, 1949; amended to application, Supplemental Register, July 13, 1951, Serial No. 574,082.

DATE FINDER

For Adjustable Perpetual Calender Comprising a Casing Having a Plurality of Indicia-Carrying Strips Which Are Relatively Movable by Manipulation of Knobs Disposed Exteriorly of the Casing.
Claims use since Sept. 24, 1948.

548,867. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Flexible Steel Lacing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 24, 1949; amended to application, Supplemental Register, July 7, 1951, Serial No. 575,980.

BOLTHORN

For Hand Assembly Tool for Aligning the Bolts With the Holes in Fastener Plates for Placing the Latter Over the Bolts in the Assembly of Belt Fasteners.
Claims use since Mar. 15, 1949.

548,868. (Class 18. Medicines and Pharmaceutical Preparations.) Clay Chemical Company, Inc., Pittsburgh, Pa. Original filed, act of 1946, Principal Register, Mar. 25, 1949; amended to application, Supplemental Register, May 9, 1950, Serial No. 576,038.

ULCERAYD

For Medical Preparation for the Treatment of Hyperacidity and Peptic Ulcers.
Claims use since Jan. 20, 1949.

548,869. (Class 39. Clothing.) Jack S. Rimler, Miami Beach, Fla. Original filed, act of 1946, Principal Register, May 3, 1949; amended to application, Supplemental Register, May 24, 1951, Serial No. 578,166.

"ce qui se porte" Hainsborough Ltd.

"Ce qui se porte" means "what one should wear."
For Ladies' Shoes.
Claims use since May 15, 1947.

548,870. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) American-Marsh Pumps, Inc., Battle Creek, Mich. Filed May 31, 1949, Serial No. 579,731.

JET-LIFT

For Pumping Apparatus for Deep or Shallow Wells Consisting of a Single or Multi-Stage Centrifugal Pump, Driven by Means of an Electric Motor or Engine, so Arranged That Part of the Discharge Capacity Is Diverted Through an Injector To Lift Water From the Well.
Claims use since June 1, 1945.

548,871. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) The Plas-Tex Corporation, Los Angeles, Calif. Original filed, act of 1946, Principal Register, July 14, 1949; amended to application, Supplemental Register, June 6, 1950, Serial No. 581,981.

CLOSPRAY

For Hand Containers for Spraying Water Consisting of a Pear Shaped, Rigid, Plastic, Receptacle Having a Hollow Neck Closed by the Gasketed Neck of a Perforated Sprinkler Head Through Which Water in the Container May Be Sprinkled on Clothes by Shaking the Container in an Inverted Position.
Claims use since Oct. 9, 1946.

548,872. (Class 16. Paints and Painters' Materials.) Steelcote Manufacturing Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, July 18, 1949; amended to application, Supplemental Register, Jan. 15, 1951, Serial No. 582,149.

ALUMA SEAL

For Aluminum Paint Preparation for Use in Beautifying and Preserving Asphalt Composition or Felt Roofing.
Claims use since May 1947.

548,873. (Class 37. Paper and Stationery.) Tillery Container Company, Kansas City, Mo. Original filed, act of 1946, Principal Register, July 19, 1949; amended to application, Supplemental Register, Nov. 9, 1950, Serial No. 582,194.

SNA-PON

For Paper Guards for Clothes Hangers.
Claims use since Apr. 5, 1949.

548,874. (Class 26. Measuring and Scientific Appliances.) Howard Products Co., Boise, Idaho, assignee of Howard Products Company. Original filed, act of 1946, Principal Register, Sept. 19, 1949; amended to application, Supplemental Register, Sept. 28, 1950, Serial No. 585,024.

JUNIOR PHOTOCOPIER

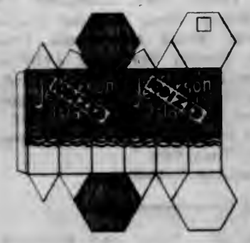
For Child's Photographic Kit Containing Full Equipment To Take, Develop, and Print Their Own Photos—Namely, Camera, Film, Developing Solution, Print Frame, Ferrotype Plate, Roller, Stirring Rod, Printtong, Photographic Paper, and Darkroom Lamp.
Claims use since June 24, 1949.

548,875. (Class 46. Foods and Ingredients of Foods.) David Giesby, doing business as Pacific Feed Sales Co., Van Nuys, Calif. Filed Sept. 6, 1949, Serial No. 585,095.

PACIFIC

The words "Quality Feeds" and "Selected Ingredients" are disclaimed.
For Poultry and Livestock Feed—Namely, Baby Chick Starter Mash, 20% Protein Egg Mash, 16% Protein All Purpose Feed, 20% Protein Broiler-Fryer Mash, 15.5% Protein Cage Egg Mash, Scratch Feed, Pigeon Scratch Feed, Rabbit Ration Pellets and Pig and Hog Feed Including Ground Corn, Ground Milo, Ground Barley, Bran, Fish Meal, Meat Meal, Soya Bean Meal, Alfalfa Meal and Salt, and Dairy Feed, Including Ground Corn, Ground Milo, Ground and Rolled Barley, Bran, Fish Meal, Meat Meal, Soya Bean Meal, Alfalfa Meal, and Salt.
Claims use since Mar. 1, 1948.

548,876. (Class 46. Foods and Ingredients of Foods.) Jefferson Island Salt Company, Louisville, Ky. Original filed, act of 1946, Principal Register, Oct. 11, 1949; amended to application, Supplemental Register, July 9, 1951, Serial No. 586,088.



The drawing is lined for red. Applicant claims ownership of Registration No. 322,953.
For Table Salt.
Claims use since June 23, 1949.

548,877. (Class 39. Clothing.) Lees Manufacturing Co., Cannon Falls, Minn. Original filed, act of 1946, Principal Register, Nov. 17, 1949; amended to application, Supplemental Register, July 26, 1951, Serial No. 587,957.

Deb Duds

For Women's Panties.
Claims use since Apr. 30, 1949.

548,878. (Class 39. Clothing.) Lees Manufacturing Co., Cannon Falls, Minn. Original filed, act of 1946, Principal Register, Nov. 17, 1949; amended to application, Supplemental Register, July 26, 1951, Serial No. 587,958.

KIDDUDS

For Children's Panties, Vests, and Slips.
Claims use since Oct. 30, 1946.

548,879. (Class 40. Fancy Goods, Furnishings, and Notions.) Georg Kramer, Basel, Switzerland. Original filed, act of 1946, Principal Register, Nov. 22, 1949; amended to application, Supplemental Register, May 28, 1951, Serial No. 588,176.

Lockrol

Applicant claims ownership of Swiss Registration No. 129,055, dated Mar. 28, 1949.
For Non-Electric Hair Curling Devices, Bobby Pins, Hair Combs, Hair Clasps, and Hair Pins.

548,880. (Class 26. Measuring and Scientific Appliances.) Larry Spier, New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 6, 1949; amended to application, Supplemental Register, Jan. 3, 1951, Serial No. 588,903.

Spec-rest

For Spectacle Cases.
Claims use since Nov. 30, 1949.

548,881. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Thompson-Winchester Company, Inc., Boston, Mass. Original filed, act of 1946, Principal Register, Dec. 24, 1949; amended to application, Supplemental Register, Nov. 10, 1950, Serial No. 589,926.

"ClearAir"

For Ventilators To Remove From Stoves and Ranges Smoke and Food Odors.
Claims use since Sept. 15, 1949.

548,882. (Class 22. Games, Toys, and Sporting Goods.) Jean Frechtmann, Paris, France. Original filed, act of 1946, Principal Register, Dec. 13, 1949; amended to application, Supplemental Register, Feb. 27, 1951, Serial No. 589,254.

MOSAÏCOLOR

Applicant claims ownership of French Registration No. 454,857, dated Oct. 13, 1949.
For Picture Puzzle.

548,883. (Class 21. Electrical Apparatus, Machines, and Supplies.) Oliver T. Joy, doing business as Notifier Manufacturing Company, Lincoln, Nebr. Original filed, act of 1946, Principal Register, Dec. 16, 1949; amended to application, Supplemental Register, Mar. 12, 1951, Serial No. 589,449.

NOTI-FIER

For Electrical Fire and Burglary Alarm Systems and Parts Thereof, Said Systems Being Designed for Individual Installation in Dwellings, Business Buildings, Indus-

trial Plants, Institutions, and on Farms Without Any Signalling Connection to a Remote Central Station or Community Headquarters, and Adapted To Give a Local Warning to the Occupants of the Premises When Same Are Endangered by Fire or Burglary, Said Systems Containing Visible and/or Audible Alarm Apparatus Adapted To Be Thermostatically Actuated in Case of Fire and, in Case of Burglary, Adapted To Be Actuated by Entrance-Detecting Means at Windows and Doorways.

Claims use since Oct. 8, 1949.

548,884. (Class 26. Measuring and Scientific Appliances.) National Preservers Association, Washington, D. C. Original filed, act of 1946, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, May 7, 1951, Serial No. 594,367.

SPREADMETER

For Chart Used To Measure the Consistency or Viscosity of Fruit Preserves, Food Products, and Other Semi-Solid Materials.

Claims use since June 1949.

548,885. (Class 39. Clothing.) Anson Incorporated, Providence, R. I. Original filed, act of 1946, Principal Register, Mar. 27, 1950; amended to application, Supplemental Register, May 11, 1951, Serial No. 594,684.

Anson

For Belts.

Claims use since Feb. 17, 1950.

548,886. (Class 37. Paper and Stationery.) Flo-Ball Pen Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 28, 1950; amended to application, Supplemental Register, June 26, 1951, Serial No. 594,767.

VRITONE

For Fountain Pens.

Claims use since Feb. 17, 1950.

548,887. (Class 37. Paper and Stationery.) Stamford Wall Paper Company, Stamford, Conn. Original filed, act of 1946, Principal Register, June 20, 1950; amended to application, Supplemental Register, May 14, 1951, Serial No. 599,461.

Wall Paper You Can Live With

For Wall Paper.

Claims use since Mar. 1, 1950.

548,888. (Class 36. Musical Instruments and Supplies.) M. A. Miller Manufacturing Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 8, 1950; amended to application, Supplemental Register, July 13, 1951, Serial No. 601,936.

Miller

For Phonograph Needles.

Claims use since June 13, 1950.

548,889. (Class 46. Foods and Ingredients of Foods.) Spice Islands Company, San Francisco, Calif. Filed Aug. 8, 1950, Serial No. 601,956.



The drawing is lined for brown. The trade-mark consists of the name "Spice Islands Company" as shown in association with the brown colored cap, the top portion of which is shown. Applicant claims ownership of Registrations Nos. 395,020 and 408,683.

For White Wine Vinegar, Red Wine Vinegar, Red Wine Vinegar Flavored With Tarragon, Red Wine Vinegar Flavored With Garlic, Red Wine Vinegar Flavored With Eschalot, White Wine Vinegar Flavored With Sweet Basil; Bay Leaves, Marjoram, Sweet Basil, Chervil, Oregano, Parsley, Peppermint, Rosemary, Sage, Spearmint, Summer Savory, Tarragon, Thyme, Allspice, Cardamom, Cinnamon, Cloves, Chili Powder, Curry Powder, Ginger, Mace, Mayonnaise Mustard, Nutmeg, Paprika, Red Pepper, Black Pepper, White Pepper, Mixing Pickling Spices, Seasoning Salt, Garlic Salt, Onion Salt, Smoke Flavored Salt, Garlic Powder, Onion Powder, Pumpkin Pie Spice, Sweet Bell Peppers, Chili Pequins, Anise Seed, Caraway Seed, Celery Seed, Coriander, Cumin Seed, Sesame Seed, Poppy Seed, Toasted Cocoanut Chips, Shredded Coconut, Dried Mushrooms, Cheese, Coffee, Seasoning Herbs, Poultry Seasoning, Artificial Vegetable Protein Derivative for Flavoring Foods; Salad Herbs Composed of Lemon, Thyme, Basil and Tarragon; Tarragon Seasoning Powder, Thyme Seasoning Powder, Celery Salt, Tumeric, Juniper Berries, Whole Mustard Seed, Hot Mustard, and Deviled Tuna Fish.

Claims use since Aug. 1, 1949.

548,890. (Class 37. Paper and Stationery.) A. G. Verdolyack, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Aug. 25, 1950; amended to application, Supplemental Register, July 5, 1951, Serial No. 602,788.

NŌLINT

For Paper Hand Towels.

Claims use since July 1, 1950.

548,891. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Waldo G. Throop, doing business as Loomette Studios, Pasadena, Calif. Original filed, act of 1946, Principal Register, Sept. 28, 1950; amended to application, Supplemental Register, May 21, 1951, Serial No. 604,342.

Loomette

For Hand Looms.

Claims use since Aug. 1, 1935.

548,892. (Class 39. Clothing.) Benjamin's, Inc., New Rochelle, N. Y. Original filed, act of 1946, Principal Register, Nov. 6, 1950; amended to application, Supplemental Register, June 18, 1951, Serial No. 605,941.

THE MacMurray

For Men's and Boys' Suits, Topcoats, Overcoats, and Sport Coats.

Claims use since Jan. 2, 1949.

548,893. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Warren Dado Sawing Washer Co., Detroit, Mich. Filed Jan. 19, 1951, Serial No. 609,012.

Warren

For Wedge Shaped Washers for Mounting a Circular Saw at an Acute Angle With Respect to the Axis of Its Arbor.

Claims use since November 1947.

548,894. (Class 22. Games, Toys, and Sporting Goods.) Maxine M. Martin, doing business as Mar-Lane Mfg. Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Mar. 30, 1951; amended to application, Supplemental Register, July 9, 1951, Serial No. 612,024.

MAR-LANE

For Toys in the Form of Cut-Outs Around Which the User Traces the Design on Paper.

Claims use since Dec. 29, 1949.

Service Mark

548,895. (Class 104. Communication.) Booth Radio Stations, Inc., Detroit, Mich. Filed May 15, 1950, Serial No. 597,430.

The Mark Comprises the Spoken Words "VOICE OF DETROIT"

For Radio Program Broadcasting Services.

Claims use since May 6, 1947.

Certification Mark

548,896. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Engard Brothers, Hazleton, Pa. Original filed, act of 1946, Principal Register, May 27, 1949; amended to application, Supplemental Register, June 8, 1951, Serial No. 579,587.

Engard

For Belt Applying Tool for Installing a Belt on a Grooved Pulley.

Claims use since Mar. 25, 1949.

TRADE-MARK REGISTRATIONS RENEWED

36,551. "ROYAL SHADING" AND DRAWING. Registered June 11, 1901. Hees, Macfarlane & Co., Detroit, Mich. Re-renewed June 11, 1951, to The Columbia Mills, Inc., Syracuse, N. Y., a corporation of New York. Window-Shades. Class 32.

37,362. "ELECTROLAC" WITHIN DIAMOND DESIGN. Registered Nov. 26, 1901. Standard Varnish Works, New York, N. Y. Re-renewed Nov. 26, 1951, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Insulating-Varnishes. Class 16.

82,140. E.N.W.CO. Registered June 6, 1911. Elgin National Watch Company, Elgin and Chicago, Ill. Re-renewed June 6, 1951, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Mainsprings for Watches. Class 27.

82,147. REPRESENTATION OF TERRESTRIAL GLOBE. Registered June 6, 1911. Grumme & Son. Re-renewed June 6, 1951, to Aktiebolaget Grumme & Son, Stockholm, Sweden, a corporation organized under the laws of Sweden. Mouth-Wash. Class 51.

82,235. FAMOUS. Registered June 13, 1911. Illinois Watch Case Co. Re-renewed June 13, 1951, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Watchcases and Watch-Movements. Class 27.

82,236. EMPIRE. Registered June 13, 1911. Illinois Watch Case Co. Re-renewed June 13, 1951, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Watchcases and Watch-Movements. Class 27.

82,423. COX'S. Registered June 27, 1911. J. & G. Cox Limited, Edinburgh, Scotland, a British company. Re-renewed June 27, 1951. Glues. Class 5.

82,454. FJAB. Registered June 27, 1911. A. Milne & Co., New York, N. Y. Re-renewed June 27, 1951, to Forsbacka Jernverks Aktiebolag, Forsbacka, Sweden, a corporation organized under the laws of Sweden. Steel in Bars, Blocks, Blooms, and Other Shapes. Class 14.

82,890. LIBERTY. Registered Aug. 1, 1911. Illinois Watch Case Co. Re-renewed Aug. 1, 1951, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Watchcases and Watch-Movements. Class 27.

83,256. REPUBLIC. Registered Aug. 29, 1911. Illinois Watch Case Co. Re-renewed Aug. 29, 1951, to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois. Watchcases and Watch-Movements. Class 27.

83,791. CLIMAX. Registered Oct. 10, 1911. Tide Water Oil Co. Re-renewed Oct. 10, 1951, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware. Lubricating Oils and Greases. Class 15.

83,822. EPENCO. Registered Oct. 17, 1911. Eagle Pencil Company. Re-renewed Oct. 17, 1951, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Writing and Drawing Pencils of All Kinds, Steel Pens, and Penholders of All Kinds. Class 37.

83,924. VULCAN. Registered Oct. 24, 1911. Louisville Paint Manufacturing Company, Louisville, Ky., a corporation of Kentucky. Re-renewed Oct. 24, 1951. Ready Mixed House Paints and Wood Varnishes. Class 15.

83,988. "GDE CHARTREUSE" ETC. AND DRAWING. Registered Oct. 31, 1911. Congregation of the Chartreux, Tarragone, Spain. Re-renewed Oct. 31, 1951, to Chartreuse Corporation, New York, N. Y., a corporation of New York. Cordial or Liqueur. Class 49.

279,766. WARRANTY. Registered Jan. 20, 1931. Nielsen Packing Company, San Francisco, Calif. Renewed Jan. 20, 1951, to Gerber Products Company, Oakland, Calif., a corporation of Michigan. Vegetable Juices for Food-Beverage Purposes. Class 46.

281,420. "POLAR-PACK" AND DRAWING. Registered Mar. 17, 1931. Martha Washington Candies Company. Renewed Mar. 17, 1951, to Martha Washington Candies Co., Chicago, Ill., a corporation of Illinois. Candies. Class 46.

282,514. "RED GLOW" ETC. AND DESIGN. Registered Apr. 21, 1931. The Oliver Coal Company, Paonia, Colo. Renewed Apr. 21, 1951, to Kaiser Steel Corporation, Oakland, Calif., a corporation of Nevada. Coal. Class 1.

282,696. PARK DRIVE. Registered Apr. 28, 1931. Gallaher Limited, Belfast, Northern Ireland, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Apr. 28, 1951. Smoking and Chewing Tobacco, Cigarettes, Cigars, and Snuff. Class 17.

283,125. DUL-O-TONE. Registered May 19, 1931. Nomend Hosiery Mills M. B. Laubach Co. Inc. Renewed May 19, 1951, to Nomend Hosiery, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Hosiery. Class 39.

283,810. APARTMENT. Registered June 9, 1931. Bissell Carpet Sweeper Company, Grand Rapids, Mich., a corporation of Michigan. Renewed June 9, 1951. Carpet Sweepers. Class 23.

283,835. "NEOBOVININE 20" ETC. AND LABEL LINED FOR RED AND SILVER. Registered June 9, 1931. The Bovinine Company, Chicago, Ill. Renewed June 9, 1951, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Tonic for Anemic Conditions, Marasmus, Dietary Deficiencies, and Malnutrition. Class 18.

283,901. ECONOCOL. Registered June 9, 1931. Cotta Transmission Corporation. Renewed June 9, 1951, to Cotta Transmission Company, Rockford, Ill., a copartnership. Coal-Burning Stokers and Parts Therefor and Transmissions for Stokers. Class 34.

283,902. REPRESENTATION OF DRAGON AND DESIGN. Registered June 9, 1931. Cotta Transmission Corporation. Renewed June 9, 1951, to Cotta Transmission Company, Rockford, Ill., a copartnership. Coal-Burning Stokers and Parts Therefor and Transmissions for Stokers. Class 34.

283,934. "SHREWD JUDGES SMOKE ORLIK-PIPES" AND DRAWING. Registered June 9, 1931. Alfred Orlik, Inc., New York, N. Y., a corporation of New York. Renewed June 9, 1951. Pipes, Cigarette and Cigar Holders, Paper Cigarette and Cigar Holders, and Tobacco Pouches. Class 8.

283,936. "VETERANS OF FOREIGN WARS OF THE UNITED STATES" AND DESIGN. Registered June 9, 1931. Veterans of Foreign Wars of the United States. Renewed June 9, 1951, to Veterans of Foreign Wars of the United States, Kansas City, Mo., a corporation organized under the laws of the United States. Flags, Banners, Grave Markers, Emblems, Badges, and Printing Cuts. Class 50.

283,963. BY GUM. Registered June 9, 1931. Jacob Warren Bowman, doing business as By Gum Co. Renewed June 9, 1951, to Bowman Gum, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Chewing Gum. Class 46.

284,100. "BLUE BLAZE" ETC. AND DESIGN. Registered June 16, 1931. Blue Blaze Coal Company, Salt Lake City, Utah. Renewed June 16, 1951, to Kaiser Steel Corporation, Oakland, Calif., a corporation of Nevada. Coal of Various Kinds and Sizes. Class 1.

284,159. REPRESENTATION OF HERALDIC DESIGN. Registered June 16, 1931. W. F. Schrafft & Sons Corporation, Boston, Mass. Renewed June 16, 1951, to Frank G. Shattuck Company, New York, N. Y., a corporation of Massachusetts. Chocolate Candy. Class 46.

284,248. THORO-BREAD. Registered June 23, 1931. The Arnold Milling Company, Sterling, Kans., a corporation of Kansas. Renewed June 23, 1951. Wheat Flour, Self-Rising Flour, Etc. Class 46.

284,323. ZENETTE. Registered June 23, 1931. Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois. Renewed June 23, 1951. Radio Electron Tubes. Class 21.

284,370. TEMPORATOR. Registered June 23, 1931. Temporator Company, Chicago, Ill. Renewed June 23, 1951, to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts. Electrical Remote Control, Visual and Audible Signaling Equipment for Intercommunication in Industrial Plants and Elsewhere and Parts Thereof, Etc. Class 21.

284,576. BETHALON. Registered July 7, 1931. Bethlehem Steel Company, Bethlehem, Pa., a corporation of Pennsylvania. Renewed July 7, 1951. Nonrusting Corrosive-Resisting Free-Machining Steels in the Form of Billets, Bars, Shapes, and Forgings. Class 14.

284,694. B W M. Registered July 7, 1931. Botany Worsted Mills. Renewed July 7, 1951, to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey. Woven and Knitted Fabrics of Wool, Cotton, Silk, Rayon, or Mixtures of These Materials. Class 42.

284,745. VIKING. Registered July 7, 1931. Scott & Bowne. Renewed July 7, 1951, to Eno-Scott & Bowne, Bloomfield, N. J., a corporation of New Jersey. Cod-Liver Oil (Plain). Class 18.

284,870. PUNCHINELLO. Registered July 7, 1931. Botany Worsted Mills. Renewed July 7, 1951, to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,942. ESKATONIK. Registered July 14, 1931. Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania. Renewed July 14, 1951. Medicine for the Diseases of the Nervous System. Class 18.

285,024. POLYCET. Registered July 14, 1931. Society of Chemical Industry in Basle. Renewed July 14, 1951, to Ciba Limited, Basel, Switzerland, a corporation organized under the laws of Switzerland. Coal-Tar Dyestuffs. Class 6.

285,030. "NEOBOVININE 20" ETC. AND REPRESENTATION OF LABEL. Registered July 14, 1931. The Bovinine Company, Chicago, Ill. Renewed July 14, 1951, to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware. Tonic for Anemic Conditions, Marasmus, Dietary Deficiencies, and Malnutrition. Class 18.

285,140. "DAPPER DAN" AND DRAWING. Registered July 14, 1931. J. K. Orr Shoe Company, Atlanta, Ga. Renewed July 14, 1951, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee. Leather and Rubber Shoes. Class 39.

285,408. "DUDE RANCH CAMP-MOCS" AND DRAWING. Registered July 28, 1931. The Juvenile Shoe Corporation of America, Aurora, Mo., a corporation of Missouri. Renewed July 28, 1951. Boots and Shoes of Leather, Including Moccasins. Class 39.

285,518. TRIADOR. Registered July 28, 1931. Botany Worsted Mills. Renewed July 28, 1951, to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,519. RAPONGE. Registered July 28, 1931. Botany Worsted Mills. Renewed July 28, 1951, to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,520. FRAMOSA. Registered July 28, 1931. Botany Worsted Mills. Renewed July 28, 1951, to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

286,199. FLORENCE. Registered Aug. 18, 1931. Florence Stove Company, Gardner, Mass., a corporation of Massachusetts. Renewed Aug. 18, 1951. Electric Cooker. Class 21.

286,262. "VASELINE" ETC. AND DRAWING LINED FOR BLUE. Registered Aug. 25, 1931. Chesebrough Manufacturing Company, Consolidated, New York, N. Y., a corporation of New York. Renewed Aug. 25, 1951. Petroleum Jelly. Class 18.

286,421. THISTLE. Registered Aug. 25, 1931. F. A. Schneider, doing business as Warren Dried Fruit Co. Renewed Aug. 25, 1951, to Warren Dried Fruit Co., San Jose, Calif., a firm. Dried Fruits. Class 46.

286,431. "MARCA PAPA" AND DRAWING. Registered Aug. 25, 1931. Michele De Rosa, New York, N. Y. Renewed Aug. 25, 1951, to Michele De Rosa, Bronx, N. Y. Canned Tomatoes. Class 46.

286,592. BIOBATE. Registered Sept. 1, 1931. Wallerstein Company, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1951. Enzymatic Preparation Used in the Treatment of Hides and Skins. Class 6.

286,597. PANACOIDS. Registered Sept. 1, 1931. Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey. Renewed Sept. 1, 1951. Medicinal Preparations for Treatment of Intestinal Indigestion and Functional Disorders of the Pancreas. Class 18.

286,717. LA CROSS. Registered Sept. 1, 1931. Schnefel Bros., Inc. Renewed Sept. 1, 1951, to Schnefel Bros. Corporation, Newark, N. J., a corporation of New Jersey. Tweezers for All Purposes Except Dental, Manicure, and Surgical Use; Barber Scissors, House Scissors, Pocket Scissors, Etc. Class 23.

286,742. "FROZEN DRUMSTICK" AND DRAWING. Registered Sept. 1, 1931. I. C. Parker, Fort Worth, Tex. Renewed Sept. 1, 1951. Ice Cream Confection. Class 46.

287,020. "BARTON & GUESTIER" ETC. AND REPRESENTATION OF SHIELD. Registered Sept. 8, 1931. Barton & Guestier, Bordeaux, France, a corporation organized under the laws of the Republic of France. Renewed Sept. 8, 1951. Olive Oil. Class 46.

287,472. RECORDER. Registered Sept. 29, 1931. Eagle Pencil Company, New York, N. Y., a corporation of Delaware. Renewed Sept. 29, 1951. Lead Pencils. Class 37.

287,577. REPRESENTATION OF PIECE OF BROADCLOTH WITH SELF-COLORED SATIN LINE. Registered Sept. 29, 1931. J. P. Stevens & Co. Inc. Renewed Sept. 29, 1951, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Broadcloth in the Piece. Class 42.

287,879. LOLLY POPS. Registered Oct. 13, 1931. The Bradley, Smith Co., New Haven, Conn. Renewed Oct. 13, 1951, to Union Standard Equipment Company, New York, N. Y., a co-partnership. Candy. Class 46.

288,093. GREEN LABEL. Registered Oct. 20, 1931. The Solvay Process Company, Syracuse, N. Y. Renewed Oct. 20, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Cleansing Compounds for General Household and Industrial Cleansing, Particularly of Walls, Etc. Class 52.

288,099. TIDEX. Registered Oct. 20, 1931. Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Renewed Oct. 20, 1951, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware. Lubricating Oils and Greases. Class 15.

288,142. "THE NORCONIAN" AND DRAWING. Registered Oct. 20, 1931. Rex B. Clark, Norco, Calif. Renewed Oct. 20, 1951. Canned Fruit. Class 46.

288,309. "S" AND DRAWING. Registered Oct. 27, 1931. The Solvay Process Company, Syracuse, N. Y. Renewed Oct. 27, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Chemical Preparation for Use as a Cream Neutralizer. Class 6.

288,321. MARVEL. Registered Oct. 27, 1931. Marvel Window Cleaner Incorporated, Cleveland, Ohio, a corporation of Ohio. Renewed Oct. 27, 1951. Window Cleaning Devices, in the Nature of Hand-Operated Squeegees. Class 29.

288,372. "OLD DUTCH GRANDFATHER'S BRAND" ETC. AND DRAWING LINED FOR RED. Registered Oct. 27, 1931. Vladimir K. Kedrovich, doing business as Old Dutch Mustard Company, New York, N. Y. Renewed Oct. 27, 1951, to Old Dutch Mustard Co., Inc., Brooklyn, N. Y., a corporation of New York. Mustard. Class 46.

288,564. SILVER HEN. Registered Nov. 3, 1931. Globe American Corporation, Kokomo, Ind., a corporation of Indiana. Renewed Nov. 3, 1951. Brooders. Class 50.

288,677. THE BOSTON BRACE. Registered Nov. 3, 1931. George Frost Company, Boston, Mass. Renewed Nov. 3, 1951, to George Frost Company, Shirley, Mass., a corporation of Massachusetts. Suspenders and Braces. Class 39.

288,723. TRAVELWEIGHT. Registered Nov. 3, 1931. The Alligator Company, St. Louis, Mo., a corporation of Delaware. Renewed Nov. 3, 1951. Raincoats and All Kindred Waterproof Garments—Namely, Capes, Hats, Etc. Class 39.

288,791. C & D. Registered Nov. 3, 1931. The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 3, 1951. Hot Top Casings for Use on Ingot Molds. Class 23.

288,805. "JOHN PRIMBLE" WITHIN SHIELD DESIGN. Registered Nov. 3, 1931. Belknap Hardware & Manufacturing Company, Louisville, Ky., a corporation of Kentucky. Renewed Nov. 3, 1951. Pocket Knives, Razors, Scissors, Shears, Table Cutlery Made of Base Metal, Carvers, Butcher Knives, Etc. Class 23.

288,858. BROADWEAR. Registered Nov. 10, 1931. Riverside & Dan River Cotton Mills, Inc. Renewed Nov. 10, 1951, to Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia. Broadcloth in the Piece. Class 42.

288,911. MERCO. Registered Nov. 10, 1931. Merco Nordstrom Valve Company, San Francisco, Calif. Renewed Nov. 10, 1951, to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania. Lubricating Greases. Class 15.

288,974. GARGOYLE. Registered Nov. 10, 1931. O. R. Pieper Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 10, 1951. Canned Fruits and Canned Vegetables—Namely, Corn, Tomatoes, Asparagus, Etc. Class 46.

289,052. SOLVAY. Registered Nov. 17, 1931. The Solvay Process Company, Syracuse, N. Y. Renewed Nov. 17, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Chemical Preparation for Use as a Cream Neutralizer. Class 6.

289,058. "WORTHMORE" ETC. AND CIRCLE DESIGN. Registered Nov. 17, 1931. The Great Atlantic and Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Renewed Nov. 17, 1951. Candy. Class 46.

289,092. WHITE SWAN DUOFORM. Registered Nov. 17, 1931. Leo M. Cooper, doing business as Leo M. Cooper Co. Renewed Nov. 17, 1951, to White Swan Uniforms, Inc., New York, N. Y., a corporation of New York. Nurses' Uniforms, Uniform Dresses, House Dresses, Porch Dresses, and Daytime Frocks Having a Reversible Skirt. Class 39.

289,201. MARCA RANCHO. Registered Nov. 24, 1931. Emery Food Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 24, 1951. Canned Sausage. Class 46.

289,234. CLOPAY. Registered Nov. 24, 1931. The Seinsheimer Paper Co. Renewed Nov. 24, 1951, to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland. Window Shade. Class 32.

289,339. LIFETIME. Registered Nov. 24, 1931. S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 24, 1951. Hand Trowels and Weeders. Class 23.

289,361. WM N (BILL) TERRY. Registered Nov. 24, 1931. Hillerich & Bradsby Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 24, 1951. Baseball Bats. Class 22.

289,362. JOE CRONIN. Registered Nov. 24, 1931. Hillerich & Bradsby Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 24, 1951. Baseball Bats. Class 22.

289,363. CHUCK KLEIN. Registered Nov. 24, 1931. Hillerich & Bradsby Co., Louisville, Ky., a corporation of Kentucky. Renewed Nov. 24, 1951. Baseball Bats. Class 22.

289,378. "ABSORBO" WITHIN OVAL DESIGN. Registered Nov. 24, 1931. Drueding Brothers Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 24, 1951. Sweat Bands Made of Leather for Hats. Class 39.

289,412. WASHOGRAPH. Registered Nov. 24, 1931. Consolidated Ashcroft Hancock Company. Renewed Nov. 24, 1951, to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey. Instruments for Recording a Graphical Record of Water Level and Temperature Changes. Class 26.

289,539. DEBONESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,540. SETANESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,566. CORDANESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,664. GLAMORESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,665. ICENESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,666. LONDRENESE. Registered Dec. 1, 1931. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Dec. 1, 1951. Fabrics Made Wholly or Partially of Cellulose Derivatives. Class 42.

289,729. LUX FLEX. Registered Dec. 1, 1931. Luxite Silk Products Co. Renewed Dec. 1, 1951, to Holeproof Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Underwear for Men and Women. Class 39.

289,742. REPRESENTATION OF STORK WITH LOAF OF BREAD. Registered Dec. 1, 1931. Louis Storck, doing business as Storck Baking Company. Renewed Dec. 1, 1951, to Storck Baking Company, Inc., Parkersburg, W. Va., a corporation of West Virginia. Bread, Cakes, and Pies. Class 46.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

542,926. GREEN LABEL. Registered May 29, 1951. J. A. Sharwood & Co. Limited, London, England. Chutney and Chutney Sauce. Class 46. Corrected as follows: In the statement, first column, line 1, name of registrant, for "J. A. Sharwood Co. Limited" read *J. A. Sharwood & Co. Limited.*

543,919. RELIANCE. Registered June 19, 1951. Reliance Trailer & Truck Co. Inc., San Francisco, Calif. Heavy-Duty Trailers, Chassis and Bodies for Trailers, and Bodies for Highway Trucks. Class 19. Corrected as follows: In the statement, second column, line 13, for that portion of the signature reading "RELIABLE" read *RELIANCE.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

296,871. "VELVA" AND DESIGN. Registered Aug. 23, 1932. Erwin R. Kocher. Water and Oil Colors for Artists. Class 16. New certificate under section 7(c) issued Sept. 25, 1951, to Kay Color Company, Inc., Los Angeles, Calif., a corporation of California.

525,455. STAR FIRE. Registered May 23, 1950. Campana Sales Company, doing business as Old South Perfumers. Colognes, Perfumes, Perfumed Body Dusting Powders, Talcum Powders, Etc. Class 51. New certificate under section 7(c) issued Sept. 25, 1951, to Campana Corporation, Batavia, Ill., a corporation of Delaware.

545,469. JUICE BAR. Registered July 24, 1951. Juice Bar Corp., a corporation of Delaware. Coin-Operated Machines for Vending Canned Products, Particularly Beverages. Class 23. New certificate under section 7(c) issued Sept. 25, 1951, to Juice Bar Corp., New York, N. Y., and Matawan, N. J., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 283,425. Registered May 26, 1931. Rock River Cotton Company, Janesville, Wis., a corporation of Wisconsin. Republished by registrant.

PRIDE

For Cotton Batting.
Claims use since Jan. 6, 1925.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 277,070. Registered Nov. 4, 1930. Advance Polishing Wheels, Inc., Chicago, Ill. Republished by Advance Polishing Wheels, Inc., Chicago, Ill., a corporation of Delaware.



The drawing is lined for brown.
For Polishing Wheels.
Claims use since January 1930.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 82,443. Registered June 27, 1911. The Imperial Tobacco Company (of Great Britain and Ireland), Limited, Bristol, England. Republished by The Civic Company, Limited, London, England, a corporation organised under the laws of the United Kingdom of Great Britain and Northern Ireland.

Imperial

For Tobacco-Pipes, Cigar and Cigarette Holders.
Claims use since June 8, 1907.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 356,147. Registered Apr. 12, 1938. Mackintosh-Hemphill Company, Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

TECHNICHILL

For Cast Rolls of Ferrous Metal for Metal Working.
Claims use since on or about Sept. 27, 1937.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 46,394. Registered Sept. 19, 1905. Paris Medicine Co., St. Louis, Mo. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.



For Chill-Tonics.
Claims use since June 1, 1887.

Reg. No. 288,441. Registered Oct. 27, 1931. The Paine Drug Company, Rochester, N. Y., a corporation of New York. Republished by registrant.

DIGITERIC

For Preparation Used in the Treatment of Heart Affections.
Claims use since Mar. 12, 1931.

Reg. No. 361,309. Registered Oct. 11, 1938. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

LIQUAEMIN

For Medicinal Preparation Used as a Blood Anti-Coagulant.
Claims use since May 10, 1938.

Reg. No. 365,440. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

MENFORMON

For Medical Preparation Containing Estrogenic Substance or Physiologically Standardized Follicular Hormone, Indicated for Use in the Treatment of Ovarian Deficiency, Infantilism, Frigidity, Sterility, Amenorrhea, Hypomenorrhea, Dysmenorrhea, Postpartum Leucorrhea, Disturbances Accompanying and Following the Climacteric, or Due to Artificially Induced Menopause, Nausea and Vomiting of Pregnancy, Hyperemesis Gravidarum; Persistent and Excessive Lactation After Premature Births, Abortions, or Weaning; Weight Loss in Premature Infants, and Gonococcal Vulvovaginitis, Mastopathia, Migraine or Cyclic Headache, Retinitis Pigmentosa, and Peripheral Vascular Disease, and Allied Disorders.
Claims use since July 1, 1926.

Reg. No. 365,442. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

PERNAEMON

For Medical Preparation Containing Concentrated and Highly Purified Liver Extract, Indicated for Use in the Treatment of Addisonian Pernicious Anemia and Secondary Anemias.
Claims use since March 1928.

Reg. No. 365,443. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

PREGNYL

For Medical Preparation Derived From Pregnancy Urine Containing the Anterior Pituitary-Like Principle of Pregnancy Urine and Indicated for Use in the Treatment of Primary and Secondary Amenorrhea, Hypermenorrhea and Polymenorrhea, Functional Spasmodic Dysmenorrhea, Habitual Abortion, Sterility, Infantilism, Delayed Puberty, Graves' Disease Occurring Prior to Menopause, Obesity of the Menopause, and Inflammations of the Uterine Adnexa, Cryptorchidism, Dystrophia Adiposogenitalis, and Azoospermia, Adiposity, and Disturbances of General Metabolism.
Claims use since October 1934.

Reg. No. 365,444. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

BINAEMON

For Medical Preparation of Anti-Anemic Principles Indicated for Use in the Treatment of Addisonian Pernicious Anemia and Secondary Anemias.
Claims use since June 13, 1938.

Reg. No. 365,445. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

DIMENFORMON

For Medical Preparation of Synthetically Derived and Biologically Standardized Follicular Estrus-Producing Hormone, Indicated for Use in the Treatment of Ovarian Deficiency, Infantilism, Frigidity, Sterility, Amenorrhea, Hypomenorrhea, Dysmenorrhea, Postpartum Leucorrhea, Disturbances Accompanying and Following the Climacteric, or Due to Artificially Induced Menopause, Nausea and Vomiting of Pregnancy, Hyperemesis Gravidarum; Persistent and Excessive Lactation After Premature Births, Abortions, or Weaning, Weight Loss in Premature Infants, and Gonococcal Vulvovaginitis, Mastopathia, Migraine or Cyclic Headache, Retinitis Pigmentosa, and Peripheral Vascular Disease, and Allied Disorders.
Claims use since November 1935.

Reg. No. 365,446. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

NEO-HOMBREOL

For Medical Preparation Containing the Active Male Sex Hormone Derivative, Indicated for Use in the Treatment of Impotence, Hypogonadism, Prostatic Hypertrophy, for Correcting Imbalance Between the Male and Female Sex Hormones and in the Treatment of Like and Allied Disorders.
Claims use since August 1937.

Reg. No. 368,103. Registered June 6, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

CYTORA

For Medicinal Preparation Recommended for Use as a Tonic, Primarily in the Treatment of Secondary Anemias and Similar Conditions.
Claims use since Jan. 5, 1939.

Reg. No. 370,472. Registered Aug. 29, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

PROGESTORAL

For Medicinal Preparation Recommended for the Treatment of Corpus Luteum Deficiency and Associated Disorders.
Claims use since Feb. 1, 1939.

Reg. No. 370,611. Registered Aug. 29, 1939. Hoffmann-La Roche, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

DOSULES

For Individual Containers Made of Gelatin or Other Suitable Material Containing Individually Measured Doses of Medicinal Hormone Preparations Recommended for the Treatment of Glandular Deficiencies, Hemorrhoidal Ointment, Healing Ointments, and Unctions Recommended for the Treatment of Arthritis, Neuritis, and Rheumatoid Conditions Generally.
Claims use since Nov. 25, 1938.

Reg. No. 372,214. Registered Oct. 24, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

DOCA

For Hormone Preparation Recommended for the Treatment of Addison's Disease and Hormone Deficiencies.
Claims use since Jan. 10, 1939.

Reg. No. 410,358. Registered Nov. 21, 1944. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

DI-PRO

For Combination of Estrogenic and Progestogenic Preparations for Use in Menstrual Disorders.
Claims use since May 22, 1944.

Reg. No. 411,247. Registered Jan. 9, 1945. Roche-Organon, Inc., Nutley, N. J. Republished by Organon, Inc., Orange, N. J., a corporation of New Jersey.

LYNORAL

For Estrogenic Preparations.
Claims use since June 23, 1944.

Reg. No. 440,869. Registered Oct. 5, 1948. Roche-Organon Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

ANTIBASON

For Medical Preparation of Use in the Treatment of Disorders of Basal Metabolism.
Claims use since Jan. 10, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 286,783. Registered Sept. 1, 1931. Du Pont Pathé Film Manufacturing Corporation, New York, N. Y. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

TELEFILM

For Photographic Film.
Claims use since Apr. 18, 1931.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 311,489. Registered Mar. 27, 1934. The S. E. Hyman Company, Fremont, Ohio, a corporation of Ohio. Republished by registrant.

SEA BREEZE

For Tailored Seat Covers.
Claims use since May 1, 1928.

Reg. No. 444,240. Registered Sept. 26, 1950. The Sponge Rubber Products Company, Shelton, Conn., a corporation of Connecticut. Republished by registrant.

Texlite

For Cushioning Supports and Fillers in Upholstered Furniture Made of Entangled Spot Joined Flexible Filaments—Namely, Natural or Synthetic Animal, Vegetable, or Mineral Fibers Forming a Springy Mass Permeated by Voids.
Claims use since Oct. 16, 1945.

CLASS 39

CLOTHING

Reg. No. 328,619. Registered Oct. 1, 1935. Abe J. Leff, Chicago, Ill. Republished by registrant.

American Jewel

For Hosiery.
Claims use since May 16, 1933.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 231,036. Registered Aug. 9, 1927. North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

ANCHOR BRAND

The word "Brand" is disclaimed apart from the mark as shown.
For Belt Trimmings for Men and Women—Namely, Buckles for Belts of All Kinds, Buckles for All Kinds of Wearing Apparel, Buckle Sets, Clasps, Belt Slides and Loops, Boy Scout Buckles, Girl Scout Buckles, College Buckles, Composition and Fiber Buckles, Slide Buckles, Belt Chains, Buckles for Footwear; Slipper Buckles, Slides, and Ornaments; Fob Buckles, D's and Rings and Buckle-Attaching Means; "Sam Browne" and Other Army Belt Hardware, and Waist-Belt Equipments.
Claims use since July 1895.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 78,575. Registered June 28, 1910. Bliss, Fabyan & Company, Boston, Mass. Republished by Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine.

RIPPLETTE

For Cotton Piece Goods.
Claims use since Jan. 1, 1910.

Reg. No. 86,025. Registered Apr. 9, 1912. Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. Republished by registrant.

BATES

For Cotton Piece Goods.
Claims use since about Jan. 1, 1878.

Reg. No. 125,958. Registered July 22, 1919. Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. Republished by registrant.

Bates

For Cotton Piece Goods.
Claims use since about Jan. 1, 1878.

Reg. No. 183,509. Registered June 17, 1924. Androscoggin Mills, Lewiston, Maine. Republished by Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine.

COLONIAL

For Cotton Sheetings, Sheets, Pillow Cases and Quilts.
Claims use since February 1889.

Reg. No. 231,272. Registered Aug. 16, 1927. Androscoggin Mills, Lewiston, Maine. Republished by Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine.

ANDORA

For Textile Sheets and Pillow Cases.
Claims use since Jan. 18, 1927.

Reg. No. 236,439. Registered Dec. 13, 1927. Bliss, Fabyan & Company, New York, N. Y., assignor to Bliss Fabyan & Co. Inc., Boston, Mass., a corporation of Massachusetts. Republished by Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine.

RIPPLETTE

For Bedspreads.
Claims use since Jan. 1, 1910.

Reg. No. 245,467. Registered Aug. 14, 1928. York Manufacturing Company, doing business as Yomanco Production Co., Saco, Maine. Republished by Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine

Dura-Dri

The word "Dri" is disclaimed apart from the mark as shown.
For Waterproofed Textile Fabrics.
Claims use since Dec. 6, 1927.

Reg. No. 284,760. Registered July 7, 1931. West Point Manufacturing Company, Langdale, Ala., a corporation of Alabama. Republished by registrant, present address West Point, Ga.

Martex

For Bed Fabrics—Namely, Comfortables in Cotton, Wool, and Down; Bedspreads, Cotton, Rayon, and Silks; Sheets, Cotton, Linen, and Silk; Pillow Slips—Namely, Cotton, Rayon, and Silk; for Bath Fabrics—Namely, Towels, Cotton, Union, and Linen Huck; for Floor Fabrics—Namely, Mats and Rugs, Cotton, Rayon, and Silk Tufted; for Table Fabrics—Namely, Tablecloths and Napkins, Cotton, Union, and Linen.
Claims use since May 5, 1930.

Reg. No. 296,006. Registered July 19, 1932. Bates Manufacturing Company, Lewiston and Augusta, Maine, a corporation of Maine. Republished by registrant, present address Lewiston, Maine.

Bates

For Bedspreads.
Claims use since Mar. 27, 1931.

Reg. No. 326,859. Registered Aug. 6, 1935. Botany Worsted Mills, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

BOTANY LEAF CLOTH

For Woven Fabrics Composed of Wool in Mixture With Other Fibers.
Claims use since Oct. 1, 1934.

Reg. No. 340,786. Registered Nov. 24, 1936. Bates Manufacturing Company, Lewiston and Augusta, Maine, a corporation of Maine. Republished by registrant, present address Lewiston, Maine.

Bates
WOVEN ★ TUFTED
CANDLEWICK

The words "Woven," "Tufted," and "Candlewick" are disclaimed apart from the mark as shown.
For Bedspreads.
Claims use since July 10, 1936.

Reg. No. 382,964. Registered Nov. 19, 1940. Bates Manufacturing Company, Augusta, Maine, a corporation of Maine. Republished by registrant, present address Lewiston, Maine.

Bates
COMB-PERCALE

The word "Percale" is disclaimed apart from the mark as shown.
For Sheets and Pillow Cases.
Claims use since Jan. 2, 1940.

Reg. No. 410,273. Registered Nov. 21, 1944. Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. Republished by registrant.

MEET YOUR
COLLEGE "ROOMMATES"
BATES BEDSPREADS WITH MATCHING DRAPERIES

The words "Bedspreads With Matching Draperies" are disclaimed apart from the mark as shown.
For Bedspreads and Draperies.
Claims use since Sept. 28, 1942.

Reg. No. 417,084. Registered Oct. 16, 1945. Bates Manufacturing Company, Lewiston, Maine, a corporation of Maine. Republished by registrant.

Bates
"Loomed to be Cherished"

The word "Loomed" is disclaimed apart from the mark as shown.
For Bedspreads.
Claims use since Feb. 11, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 283,025. Registered May 12, 1931. Mrs. Bain, Washington, D. C., a firm. Republished by registrant.

MUFFLITE

For Mixture Containing Flour and Other Ingredients for Muffins, Shortcake, and the Like.
Claims use since on or about April 1930.

Reg. No. 388,209. Registered June 17, 1941. Knight Packing Company, Portland, Oreg. Republished by Harry and David, Medford, Oreg., a corporation of Oregon.

COCKTAIL
BAR

For Bottled Cherries, Onions, Mustard, Gherkins, and a Mixed Sandwich Spread Vended in a Common Package.
Claims use since Dec. 11, 1939.

Reg. No. 421,114. Registered May 21, 1946. Maritime Milling Co., Inc., Buffalo, N. Y., a corporation of New York. Republished by registrant.

B-B

The notation "100 Lbs. Net" and the representation of the label per se are disclaimed apart from the mark as shown.
For Dairy, Stock, and Poultry Feeds, and Dog Food, Chick Feed, Duck Growing and Finishing Ration, Duck Starter Ration, Turkey Growing Mash, Turkey Fitting Ration, Egg Mash, Layer and Breeder Mash, Station Fattening Feed, Conditioning Mash, Pig and Hog Concentrate, Scratch Feed, Brood Mare and Colt Ration, Goat and Hog Feeds.
Claims use since Jan. 1, 1937.

Reg. No. 435,635. Registered Jan. 6, 1948. Harry and David, Medford, Oreg., a corporation of Oregon. Republished by registrant.

HARRY AND DAVID
BASKETS

The representation of fruit and the word "Baskets" are disclaimed apart from the mark as shown.
For Fresh Fruits—Namely, Pears, Apples, Grapes, and Oranges, Sold in Gift Baskets.
Claims use since November 1945.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 370,434. Registered Aug. 29, 1939. Kay Preparations Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant.

formula 301

The word "Formula" is disclaimed apart from the mark as shown.
For Skin Lotion.
Claims use since Mar. 1, 1938.

REISSUES

SEPTEMBER 25, 1951

23,412

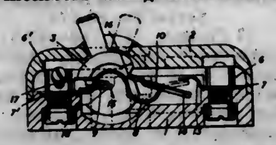
SNAP-ACTION ELECTRIC SWITCH

Gilbert Hollis, London, England, assignor to Sidney Geoffrey Young, London, England

Original No. 2,460,087, dated January 25, 1949, Serial No. 676,403, June 13, 1946. Application for reissue January 14, 1950, Serial No. 138,695. In Great Britain June 26, 1945

10 Claims. (Cl. 200—67)

1. In a snap-action electric switch having a fixed and a movable contact mounted on an insulating base, the improvement which comprises constructing the said movable contact in the form of a snapper from a single piece of spring metal, the said snapper being in the form of a frame having a pair of flexible and extensible side members linked at their ends by cross-members, comparatively rigid tongues extending inwardly from the cross-members to points intermediate of the flexible and extensible side members, one of the said cross-members being anchored to the in-



sulating base and the other being adapted to make contact with the said fixed contact, and an operating member adapted to engage with the opposed edges of the tongues being freely held between and by the said tongues.

PLANT PATENTS

GRANTED SEPTEMBER 25, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,039

ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application July 18, 1950, Serial No. 174,553

1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid tea class, characterized as to novelty by its prolific production and many side branches which make it especially adapted to and useful for pot forcing in greenhouses, by its improved foliage, by its flowers of Empire Yellow color, and by its many secondary flowers and branches, substantially as shown and described.

1,040

ROSE PLANT

Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application July 18, 1950, Serial No. 174,554

1 Claim. (Cl. 47—61)

A new and distinct variety of floribunda rose plant of the Park type, characterized as to novelty by its tall and shrub-like habit of growth, by its showiness and continuity of blooms of Pomegranate Purple overcast with Tyrian Rose color, and by the Carmine color of the center stamens edged with Buff-Yellow, substantially as shown and described.

1,041

PLUM TREE

Luther Burbank, deceased, late of Santa Rosa, Calif., by Elizabeth Waters Burbank, executrix, Santa Rosa, Calif., assignor to Stark Bro's Nurseries and Orchards Company, Louisiana, Mo., a corporation of Missouri

Application June 6, 1950, Serial No. 166,464

1 Claim. (Cl. 47—62)

A new and distinct variety of plum tree, characterized as to novelty by the natural dwarf habit of growth, rough and stocky trunk and branches, and small foliage of the tree, high productivity, early ripening and superior quality and sweet flavor of the fruit, the latter having a short stem, small pit cavity and small, smooth free stone, substantially as shown and described.

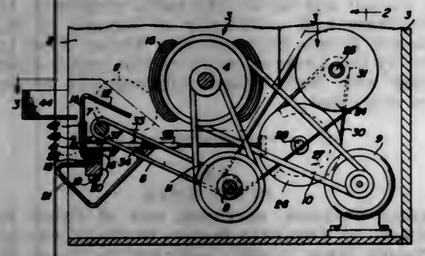
PATENTS

GRANTED SEPTEMBER 25, 1951

2,568,692
COPOLYMERS OF VINYL HALIDES AND HALOGENATED PROPENES
Fred E. Condo, El Cerrito, and Marguerite Naps, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 15, 1948, Serial No. 60,176
13 Claims. (Cl. 260—87.5)

12. A copolymer comprising the product of polymerization of a mixture containing as sole polymerizable components a vinyl halide and a halogenated propene which possesses 1 to 3 halogen atoms attached to carbon atoms of the propene molecule, at least one of the said halogen atoms being attached directly to one of the carbon atoms contained in the olefinic double bond, and not more than one halogen atom being attached to any one carbon atom, the halogenated propene making up from 2% to 15% by weight and the vinyl halide from 98% to 85% by weight of the total polymerizable components.

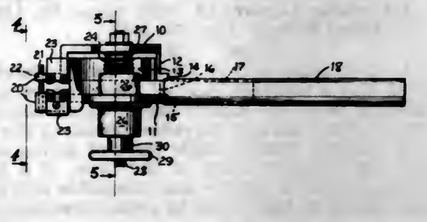
2,568,693
EGG TUMBLING MECHANISM FOR EGG CLEANING MACHINES
Douglas G. Austin, Wellsboro, Pa.
Application July 5, 1949, Serial No. 102,985
5 Claims. (Cl. 51—103)



1. In an egg cleaning machine, the combination with a horizontal rotary egg cleaning reel, and a driven pair of side by side belts supporting and feeding eggs to said reel laterally thereof, said reel rotating in a direction opposite to the direction of the drive of said belts whereby said reels and belts coact conjointly to cause the eggs to tumble on said belts, of a pair of spaced apart egg guiding members mounted at opposite sides of said pair of belts and confining the eggs tumbling on said belts between said members, one of said members being pivotally mounted for swinging relative to the other to vary the spacing between the pair of members in which said eggs may tumble and thereby vary the tumbling action of the eggs, and power means for swinging the pivotally mounted member.

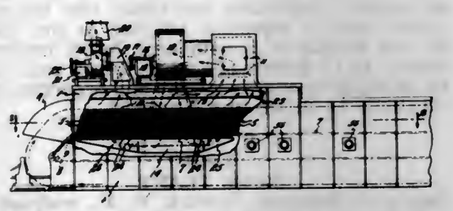
2,568,694
PIPE BENDER
Herman Bachli and Harry S. Shapiro, Chicago, Ill., assignors to Chicago Specialty Mfg. Co. Inc., Chicago, Ill., a corporation of Illinois
Application April 22, 1949, Serial No. 89,083
1 Claim. (Cl. 81—15)

A pipe bender comprising two confronting plates having inwardly extending flanges arranged in overlapping relation and provided with spaced flanges providing together with one of said first-named flanges an arcuate track, means for connecting said plates together for adjustment of said spaced flanges relative to each other, comprising a stud carried by one of said plates, a member on the other of said plates providing a socket into which said stud slidably projects, a



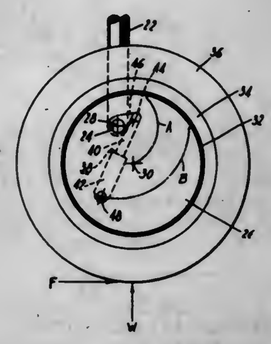
screw shaft carried by the stud and projecting through said other plate, a hand wheel threaded upon said screw shaft, and an expansion spring on the stud between said plates, confronting jaws carried by said plates for clamping one end of a pipe to said plates at one end of the track, and a handle provided by one of said plates and adjustable therewith opposite said clamping jaws.

2,568,695
METAL SHEET DRYING OVEN
Frederick S. Bailey, Morristown, N. J., assignor to National-Standard Company, a corporation of Michigan
Application December 14, 1948, Serial No. 65,209
4 Claims. (Cl. 34—150)



1. In a drying apparatus, a drying chamber, means for transporting a plurality of plates on edge and in spaced relation through said drying chamber, an air chamber located below the plates and over which the plates are moved by said transporting means, said air chamber having a plurality of apertures in its top wall extending across the air chamber for a distance nearly equal to the width of the plates, said apertures being in the form of nozzles with elongated slot-like outlets, said slot-like outlets being arranged in parallelism and all being disposed with their longitudinal axes transverse to the path of travel of the plates, said slots all being at an acute angle in respect to the plane of the plates carried past and above them so that an unequal air velocity will be created between adjacent plates and flutter of said plates will be minimized.

2,568,696
AIRCRAFT LANDING GEAR HAVING SHOCK ABSORBER INSIDE HUB
Franklin C. Albright, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 17, 1949, Serial No. 127,937
19 Claims. (Cl. 244—111)



19. An aircraft landing gear comprising a wheel-supporting hub, a wheel rotatably mounted on the hub, the hub being pivotally movable about an axis which is spaced from the axis of the wheel, and a shock absorber mounted inside the hub, said shock absorber comprising two telescopically associated parts, one of which is pivotally connected to a non-rotatable member, and the other of which is pivotally connected to the hub.

2,568,697
PAPER CLOSURE MEMBER FOR PAPER CONTAINERS
Walter E. Amberg, Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, Chicago, Ill., a corporation of Delaware
Application September 24, 1948, Serial No. 51,043
2 Claims. (Cl. 229—43)



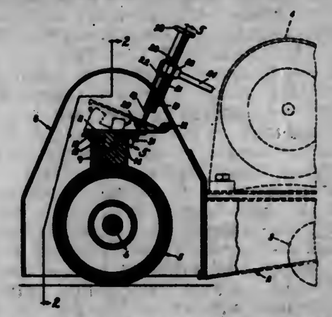
1. A paper closure member, adapted for use with a paper container having an internal groove adjacent the open end thereof, comprising a single sheet of paper board formed into a closure end wall portion and an integral side flange portion extending upwardly therefrom throughout the periphery thereof, the juncture of said portions consisting of a compressed solid peripheral bead in substantial planar alignment with the periphery of the end wall portion and extending beyond the upwardly extending flange portion to form a reinforced peripheral extension of the end wall portion for engagement in the internal groove of the paper container.

2,568,698
APPARATUS FOR FORMING PAPER CLOSURE MEMBERS FOR PAPER CONTAINERS
Walter E. Amberg, Beverly Shores, Ind., assignor to Lily-Tulip Cup Corporation, Chicago, Ill., a corporation of Delaware
Original application September 24, 1948, Serial No. 51,043. Divided and this application October 12, 1949, Serial No. 120,966
2 Claims. (Cl. 93—36)



1. Apparatus for forming a paper closure member from a paper board blank comprising, a female die having an opening adjacent the top thereof for receiving a male die and an annular recess adjacent the bottom thereof and a bottom wall movable in the recess, a male die movable into the female die opening, the outside dimensions of said male die being complementary in shape to the interior of said female die and of such size relative thereto as to provide therebetween at said opening a peripheral space of a width approximately equal to one thickness of said paper board blank and at said recess a peripheral space of a width substantially greater than one thickness of said paper board blank, means for moving the male die downwardly into the female die to carry the paper board blank therewith into engagement with the bottom wall to form the paper board blank into a closure end wall portion and an integral side flange portion, to confine the closure end wall portion between the male die and the bottom wall and to confine a part of the flange portion remote from the juncture of the end wall and flange portions between the male die and the female die, and means for simultaneously moving the male die upwardly and the bottom wall upwardly within the annular recess in the female die to compress the unconfined flange portion within the annular recess in the female die into a solid compressed peripheral bead in alignment with the end wall portion to produce a reinforced peripheral extension of the end wall portion.

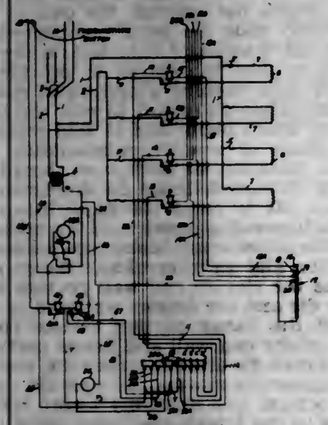
2,568,699
FLOOR WAXING MACHINE
Wilford A. Anderson, Minneapolis, Minn., assignor to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application October 6, 1947, Serial No. 778,091
6 Claims. (Cl. 91—48)



1. In combination with a floor finishing and polishing machine, including a supporting frame,

a polishing drum, a motor for driving the drum, and a hood for enclosing the polishing drum, means for applying wax to the periphery of the drum when the machine is in operation for the purpose of waxing and polishing a floor, comprising a backing member having a tongue for rigidly anchoring a wax bar to said backing member, a holder pivotally mounted on said hood engaging said backing member and supporting said wax in operative relation to said polishing drum, means for adjusting the position of the holder to vary the frictional engagement of the wax with the periphery of the polishing drum, and means connected to said adjusting means for exerting a yielding pressure on the wax bar.

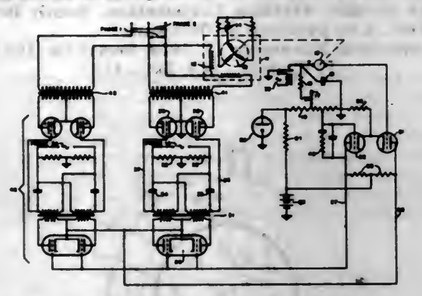
2,568,700
MULTIPLE STEP LINE SWITCH LOAD LIMITING RELAY
Charles E. Armstrong, Portland, Oreg., assignor to Electric Controls Inc., Portland, Oreg.
Application July 19, 1948, Serial No. 39,287
2 Claims. (Cl. 171—97)



1. A heat control system comprising in combination a source of electrical energy divided into two load circuits each directed to operate separate groups of heating elements, one group being connected with one of said load circuits through relay coils embraced within said load circuit, the heating elements of the other of said groups adapted to be energised through relay switches operable only upon de-energization of said relay coils.

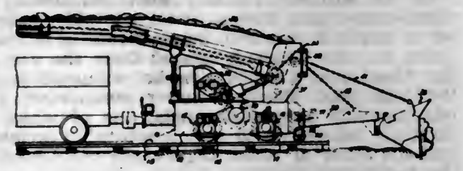
2,568,701
MOTOR SPEED CONTROL
Paul F. Arnold, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application October 11, 1946, Serial No. 702,794
8 Claims. (Cl. 318—229)

1. In a speed control system, a motor having a field winding, an A. C. power source, a variable impedance comprising a first winding in circuit with said motor winding and said A. C. power source and a second winding, an electronic amplifier having an input electron tube and an output electron tube, a source of signal voltage connected to the grid of said input tube, an A. C. source of plate potential, an impedance-capacitance phase shifting network connected with said potential source and with the grid of said output tube, said network comprising impedance means coupling said network with the plate-cathode circuit of said input tube, and the grid of said output tube being connected to receive the phase-shifted voltage from said network, the extent of phase shift being dependent on the impedance valve of said coupling and the conductance of said input tube, and said output elec-



tron tube being connected in circuit with the second winding of said variable impedance whereby to control the valve of said impedance in accordance with the magnitude of said signal voltage.

2,568,702
SHOVELING MACHINE
Ignatius Dunlop Baker, Los Angeles, Calif.
Application March 19, 1949, Serial No. 82,359
4 Claims. (Cl. 214—90)

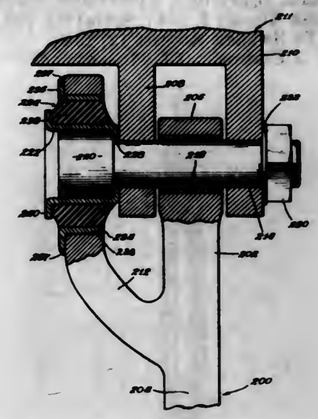


1. In a track mounted mucking machine for digging and loading loose material, a main frame mounted on track engaging wheels, spring means mounted over said wheels to provide for vertical movement thereof, means disposed at the forward end of said main frame for digging said material comprising a digging boom and scoop, and means disposed forwardly of and below said main frame for stabilizing said machine against forward and sidewise tipping during digging operation thereof comprising a pair of double flanged track engaging guide rollers positioned normally above the track level.

2,568,703
BRAKE HANGER
Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 21, 1949, Serial No. 71,960
15 Claims. (Cl. 188—206)

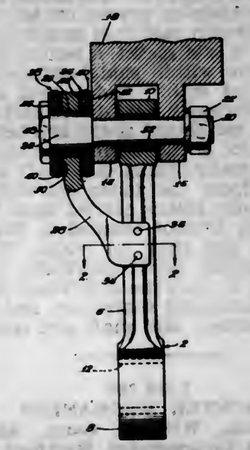
1. In a brake arrangement, a support comprising a pair of spaced lugs, a hanger extending between said lugs, a pivot element extending through said lugs and hanger affording a pivotal connection therebetween, a head on said element disposed adjacent the external side of one of said lugs, a resilient unit having an inner sleeve mounted on said head and comprising a portion interposed between said head and said external side of said one lug, securing means on the other end of said element in abutment with the external side of the other lug for securing said element to said lugs and drawing said head tightly against said portion of said sleeve and said portion against said one lug, a resilient

member fitted onto said sleeve and secured thereto, an outer sleeve secured on said resilient ele-



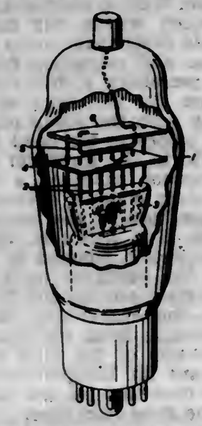
ment, and rigid means extending from said hanger and connected to said outer sleeve.

2,568,704
BRAKE HANGER
Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 28, 1949, Serial No. 73,280
7 Claims. (Cl. 188—206)



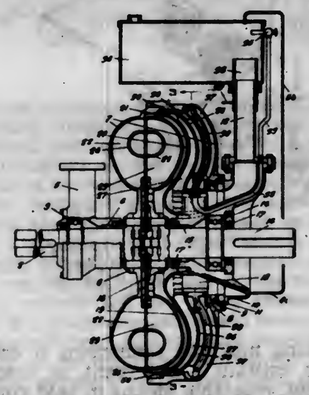
1. In a brake arrangement, a support comprising spaced depending lugs, a hanger having an end interposed between the lugs, pivot means extending through said lugs and said end of the hanger affording a pivotal connection between the hanger and support. abutment means at opposite ends of said pivot means disposed adjacent the remote sides of said lugs and in engagement therewith, one of said abutment means being of cylindrical form and engaging the adjacent lug along a surface extending transversely of said pivot means, a head on said abutment means spaced from the adjacent lug, a control arm pivoted at one end on said one abutment means and in frictional engagement at one side with said surface, a resilient bushing sleeved onto said one abutment means between said head and the other side of said arm and in engagement therewith and compressed therebetween axially of said pivot means, and nonmetallic lining material on the other end of said arm engaging said hanger at an area intermediate the ends thereof.

2,568,705
NONSPUTTERING CATHODE FOR ELECTRON DISCHARGE DEVICES
Arnold Hugh William Beck, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 20, 1949, Serial No. 122,381
In Great Britain November 4, 1948
2 Claims. (Cl. 313—218)



1. A gas filled cold cathode electric discharge tube comprising a discharge gap electrode formed from a metal of the group consisting of copper, aluminium and nickel and having a layer of rhodium whereby sputtering of the underlying metal during glow discharge operation is prevented.

2,568,706
FLUID CIRCULATION CONTROL FOR FLUID COUPLINGS
John Edward Becker, Darlington Township, Durham County, Ontario, Canada
Application November 28, 1947, Serial No. 788,500
5 Claims. (Cl. 60—54)



1. A fluid coupling comprising a rotatable circular driving impeller housing having a plurality of radial impeller blades secured within one end portion thereof, a driven runner housing having a plurality of radial runner blades therein and

contained within the impeller housing adjacent to the radial impeller blades, a partition wall contained within the impeller housing adjacent to the runner blades and containing a plurality of fluid passage orifices in its peripheral portion, a second partition wall contained within the impeller housing and spaced away from the first partition wall to form a fluid inlet compartment bounded by the two partitions, said second partition wall being also spaced away from the end wall of the impeller housing remote from the impeller blades to form a fluid evacuation chamber which communicates with the fluid inlet compartment through a plurality of fluid evacuation orifices arranged in the peripheral portion of the second partition wall, a stationary disc concentrically contained within the fluid evacuation chamber, a fluid evacuating scoop pipe contained within the disc and extending from its central portion to its periphery, a fluid inlet scoop head projecting from the periphery of the disc and communicating with the scoop pipe in the disc, the fluid inlet orifice in the head facing in a direction opposite to the direction of rotation of the fluid evacuation chamber, a fluid reservoir, a fluid evacuating conduit extending from the end of the pipe bore in the central portion of the disc to the fluid reservoir, whereby a coupling fluid evacuation passage is constituted by the orifices in the partition walls and the fluid evacuation chamber and thence through the disc scoop pipe to the evacuating conduit, a fluid feed pipe extending from the fluid reservoir to the central portion of the fluid inlet compartment, and means for independently controlling the passage of fluid through the fluid evacuating conduit and the fluid feed pipe.

2,568,707

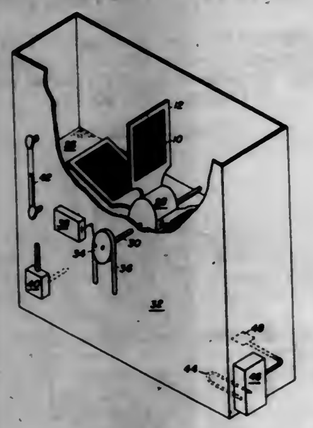
DETERGENT TESTING MACHINE

Rubin Bernstein, Philadelphia, Pa.

Application September 13, 1946, Serial No. 696,964

4 Claims. (Cl. 73—432)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A testing machine comprising a container adapted to contain a detergent in association with a liquid, rotatable means in said container, and spaced frames each having a tongue portion attached to said rotatable means and extending outwardly therefrom, each frame being adapted to hold a piece of fabric with a specific area thereof exposed constantly.

2,568,708

DENTAL DRILL AND HANDPIECE FOR SAME

Gustaf Erik Björklund, Stockholm, Sweden

Application August 6, 1947, Serial No. 766,595

In Sweden August 12, 1946

3 Claims. (Cl. 279—51)



1. A handpiece for a dental drill including a spindle rotatably mounted therein and extending substantially therebeyond, a tapered drill receiving socket in said spindle and a diametrically disposed slot in the outer end thereof for interengagement with projecting lugs upon a dental drill, an axially reciprocable sleeve within said spindle, hooked fingers on said sleeve adapted to engage in an annular groove on the inner end of the drill whereby said drill may be drawn into and retained in said socket, a second axially displaceable sleeve within said handpiece, a drive shaft journalled within said second sleeve and displaceable therewith, said drive shaft extending into said first mentioned sleeve and being fixedly secured thereto, a coil spring surrounding the shaft and normally urging said shaft and second sleeve away from the inner extremity of the drill, reciprocable means carried upon the handpiece exteriorly thereof adapted to displace said second sleeve and shaft to release the hooked fingers, a reduced upper extremity upon said shaft adapted to eject the drill when the hooked fingers are disengaged therefrom, and a driving connection between said shaft and spindle.

2,568,709

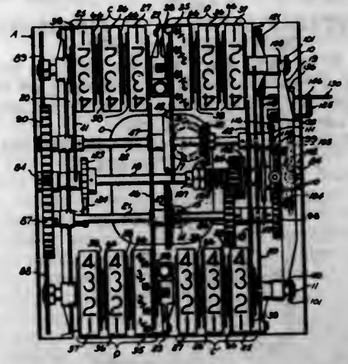
COUNTER MECHANISM

Harvey N. Bliss, Windsor, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

Original application June 22, 1949, Serial No. 100,563. Divided and this application June 22, 1950, Serial No. 169,703

12 Claims. (Cl. 235—144)

1. In a resettable counter a rotatable reset shaft supported for axial movement into and out of non-resetting and resetting positions, a counterwheel on said shaft rotatable relative thereto in one direction to perform a counting operation and rotatable by said shaft in the reverse direction to perform a resetting operation, a driven gear rotatably mounted on said shaft adjacent said wheel, a driving pawl pivoted to said wheel for swinging movement into and out of driving engagement with said gear, a spring urging said pawl into driving engagement with said gear, friction means for frictionally connecting said wheel with said shaft so that the wheel is returned to zero position when the shaft is rotated during a resetting operation and comprising co-engageable members carried by said shaft and wheel, means on said shaft for swinging said pawl about its pivot and out of driving relation



to said gear and for engaging through said pawl said frictional members when the shaft is moved axially to resetting position, and a stop member for stopping said wheel in zero position during a resetting operation.

2,568,710

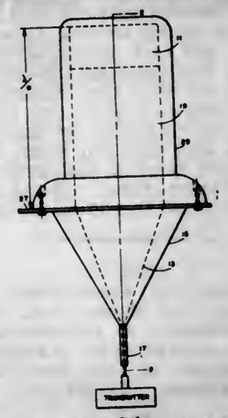
WIDE-BAND ANTENNA

John T. Bolljahn, Washington, D. C.

Application November 13, 1945, Serial No. 628,339

10 Claims. (Cl. 250—33)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An antenna comprising a conductive sheet having a length of substantially one-quarter of the operating wave-length and a width which is a fraction less than unity of the operating wavelength, a transmission line, and means for coupling the line to the conductive sheet comprising a tapered flat divergent conductor section interposed between the line and the conductive sheet.

2,568,711

OIL RETURN IN REFRIGERATOR

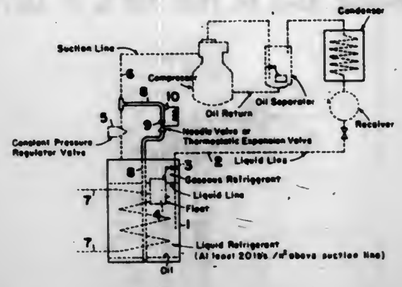
John Bosi, Philadelphia, Pa.

Application September 9, 1949, Serial No. 114,898

2 Claims. (Cl. 62—3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a refrigerator having an oil-lubricated compressor and a condenser for liquifying a gaseous refrigerant, a heat exchanger in which the liquified refrigerant is evaporated, a suction line leading from the heat exchanger to the compressor, and means in the suction line for maintaining a constant pressure on the refrigerant in the heat exchanger, means for transferring oil collected in the exchanger back to the compressor



comprising a tube communicating at one end with the heat exchanger near the bottom thereof and at the other end with the suction line between the means for maintaining constant pressure and the compressor, said tube having a regulating valve therein remote from the compressor for controlling the fluid flow through the tube.

2,568,712

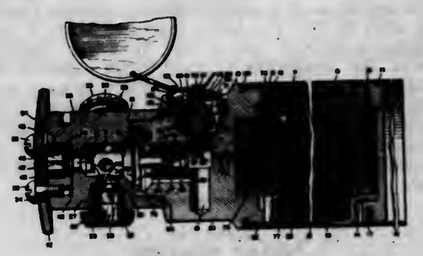
UNDERWATER SIGNALING DEVICE

Charles F. Bowersett, Laurel, Md., and Kenneth L. Baker and Carl A. Axelson, Washington, D. C.

Application December 18, 1947, Serial No. 792,526

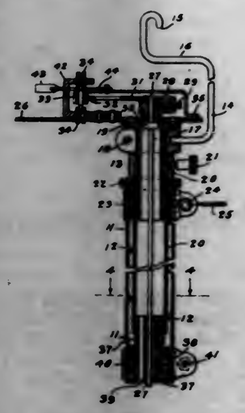
16 Claims. (Cl. 102—7)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



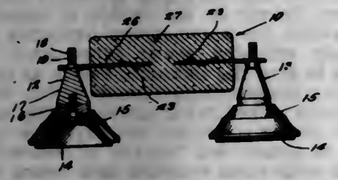
10. In an explosive underwater signaling device of the class disclosed, in combination, a casing constructed and arranged to admit hydrostatic pressure therein as the device is launched and sinks within the water, means including a hydrostatically actuated device constructed and arranged to arm the signaling device as the device sinks to a predetermined depth within the water, a normally locked firing pin releasably supported in said casing for firing the explosive when the device is armed and the pin is released, a preformed diaphragm sealed to said casing and normally spaced from said pin and constructed and arranged to be deformed sufficiently to engage and apply pressure to the pin when said hydrostatic pressure within the casing has reached a predetermined value, means including a shear element for releasably locking the pin to the casing and adapted to cause release of the pin in response to the pressure applied thereto by the deformed diaphragm thereby to fire the explosive.

2,568,713
INSTRUMENT FOR USE IN DETERMINING THE STRESS IN AN ELECTRODEPOSIT
Abner Brenner, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of Commerce
Application April 6, 1949, Serial No. 85,922
4 Claims. (Cl. 73—150)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



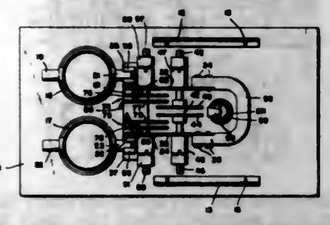
4. An instrument for use in determining the stress in an electrodeposit during the deposition of a metallic coating on a metal base, comprising a metallic helix having one deposit-receiving cylindrical surface and an opposite surface protected by a deposit-inhibiting film, a helix clamping sleeve provided with an electric terminal, a suspending framework provided with a depending tubular portion, an insulating sleeve on said tubular portion against which said helix is clamped by said clamping sleeve, a lower insulating plug within the helix provided with a longitudinal aperture for a rod, a lower clamping sleeve for compressing said helix against said plug, a torque transmitting rod within said sleeve non-rotatably connected with said plug, a revoluble motion multiplying means operatively coupled with said torque-transmitting rod, and an indicator for registering said multiplied motion.

2,568,714
SOAP HOLDER
Howard Lester Britton, York, Pa.
Application July 20, 1945, Serial No. 606,136
10 Claims. (Cl. 45—28)



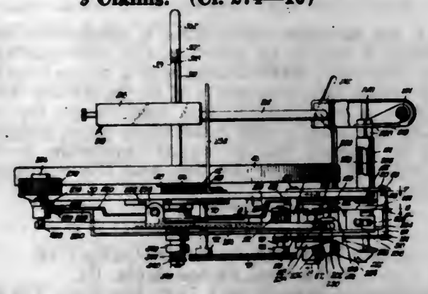
1. A device as described, consisting of a bracket, a soap anchoring member removably connected thereto, said bracket including a rack bar having teeth for adjustable connection with the anchor, means for suspending the bracket, a conical suction cup forming said means, an enclosure member for the cup, a large headed screw the head of which is embedded in the apex of the cup and which connects the enclosure member and bracket to the cup, said anchoring member having a tooth engaging element, and a toothed extension for embedment into a cake of soap.

2,568,715
ADJUSTABLE ELECTRICAL CONDENSER MOUNTING MEANS
William T. Brown, Fort Wayne, and La Mar C. Girardot, New Haven, Ind., assignors, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 25, 1945, Serial No. 624,356
3 Claims. (Cl. 74—424.8)



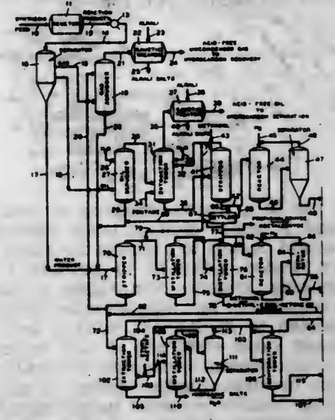
1. In an electrical condenser assembly including a condenser plate having a threaded rod extending from one face thereof, a supporting structure therefor comprising, a mounting block support having a threaded hole for engagement with one portion of said threaded rod, a retaining cup support having a threaded hole for engagement with another portion of said threaded rod, a notched keyway in one end of one of said supports, a key projecting from one end of the other of said supports for engagement with said keyway and a compression spring retained in a compressed state between said cup and said mounting block, said spring tending to separate said retaining cup and said mounting block but being prevented therefrom by the engagement of said threaded rod with the respective threaded holes in said mounting block and said retaining cup, said rod being adapted for threading movement through said threaded holes, and the engagement of said key with said keyway preventing relative rotation of said cup and said mounting block by said rod threading movement.

2,568,716
RECORD CHANGER
Kenly C. Bugg, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application August 25, 1945, Serial No. 612,621
9 Claims. (Cl. 274—10)

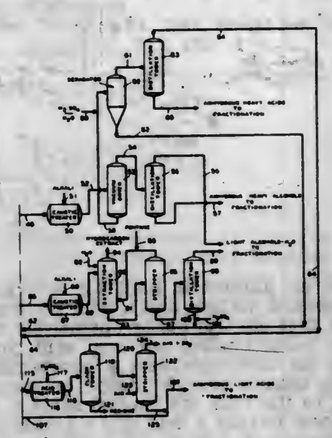


7. In a record changing mechanism the combination of a rotatable record table for supporting a record to be played, the record having a central aperture, means for rotating said table, means for supporting in operative position records to be delivered to said table and for delivering one record at a time to said table, said last named means comprising an elongated member terminated in a head portion adapted to receive a plurality of records, a normally contracted resilient member on said elongated member and adapted to be expanded into engagement with the peripheries of the centering apertures of records received on said head portion, a tubular member through which said elongated member extends and including a shoulder disposed adjacent said resilient portion, a cam surface formed on said tubular member adjacent said shoulder, a quill embracing said tubular member including integrally formed fingers normally biased into alignment with said shoulder and disposed adjacent said cam surface, means operatively associated with said elongated member for moving said elongated member and said tubular member relatively to one another for expanding said resilient portion and means operatively associated with said quill and said reciprocating means for engaging and disengaging said fingers with said cam surface thereby to move said fingers into engagement with the lower-most record while said resilient portion is contracted and out of engagement with said lower-most record while said resilient portion is expanded.

2,568,717
SEPARATION OF ORGANIC COMPOUNDS
William P. Burton, Orange, and Henry G. McGrath, Elizabeth, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application October 28, 1948, Serial No. 56,928
5 Claims. (Cl. 260—450)

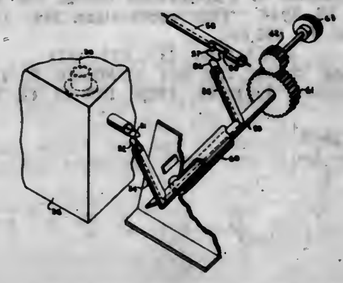


1. In a process for treating the reaction product obtained in the hydrogenation of oxides of carbon wherein said reaction product is treated to form an oil-product liquid phase and a water-product liquid phase, each of said phases containing oxygenated organic compounds comprising organic acids and alcohols, and wherein said water-product liquid phase is fractionated into a relatively low-boiling fraction comprising alcohols and a relatively high-boiling fraction comprising organic acids, the improvement which comprises: water-scrubbing said oil-product liquid phase to obtain an aqueous layer comprising water-soluble oxygenated organic compounds and a hydrocarbon layer comprising oil-soluble oxygenated organic compounds; separating said layers; subjecting said hydrocarbon layer to extraction treatment with an aqueous solution of a water-soluble alcohol which is a component of said relatively low-boiling fraction to obtain a raffinate phase comprising hydrocarbons and an extract phase comprising oxygenated organic compounds; separating said phases; separating said extract phase into a relatively low-boiling fraction comprising said water-soluble alcohol



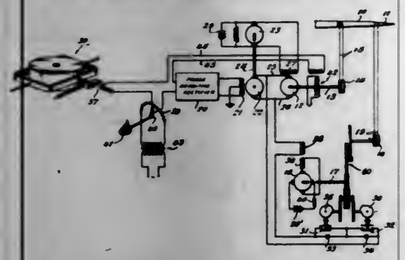
and oxygenated organic compounds and a relatively high-boiling fraction comprising other oxygenated organic compounds; combining a portion of said last-mentioned relatively low-boiling fraction with said first-mentioned relatively low-boiling fraction obtained from the fractionation of said water-product liquid phase; and separating the streams thus combined into desired components.

2,568,718
VARIABLE INDUCTIVE COUPLING
Torrence H. Chambers, Washington, D. C.
Application April 28, 1945, Serial No. 590,856
2 Claims. (Cl. 178—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In combination, an input means comprising a coaxial line terminated in a fixed loop, an output means comprising a coaxial line having inner and outer conductors and a fixed loop comprising a portion of the inner conductor extending through said outer conductor intermediate the ends of the latter, a coaxial line link member having the ends thereof terminated in loops, one loop of said link member inductively coupled to said input loop and the other loop thereof inductively coupled to said output loop, and means for rotating said link member to vary the inductive coupling between said inductively coupled loops.

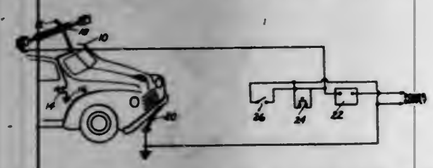
2,568,719
CONTROL SYSTEM FOR AIRCRAFT CONTROL SURFACE AND TAB
Robert S. Curry, Jr., Baldwin, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application April 9, 1947, Serial No. 740,417
7 Claims. (Cl. 244—82)



1. In an automatic pilot for aircraft with a main control surface and a trim tab control surface, a first electric motor operatively connected to the main control surface, said first motor having an armature and a constantly excited field, a second electric motor operatively connected to the trim tab control surface, said second motor having a field and a constantly energized armature, means for producing a control signal for said motors, and a circuit having said signal producing means therein including the armature of said first motor and the field of said second motor.

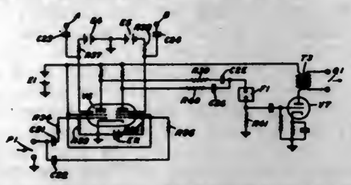
4. In a control system of the Ward-Leonard type, the combination of, a first electric motor having an armature and a separately excited field, a second electric motor having a field and a separately energized armature, a generator for producing a control signal for both said motors, and a circuit having said signal producing means therein including the armature of said first motor and the field of said second motor.

2,568,720
COMBINATION CONTROL SYSTEM
Herman H. Curry, Inverness, Fla.
Continuation of application Serial No. 672,899, May 28, 1946. This application May 19, 1950, Serial No. 163,041
17 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



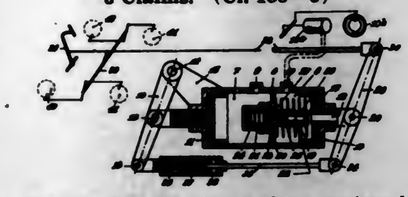
1. A system for operating an electrical device from a vehicle comprising means for completing a circuit between said electrical device and a source of power, said means including a pair of contact members, one of which is adapted to make a wiping contact with the chassis of said vehicle, means on said vehicle insulated from the chassis thereof for simultaneously making wiping contact with the other of said contact members, circuit means between said insulated means and the chassis of said vehicle, and a switch in said circuit means located in a readily accessible position for operation by the driver of said vehicle.

2,568,721
COMMUNICATION SYSTEM UTILIZING CONSTANT AMPLITUDE PULSES
Edmond Maurice Deloraine, New York, N. Y., and Alec Harley Reeves, Surrey, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 8, 1947, Serial No. 778,663
In France August 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires August 10, 1966
10 Claims. (Cl. 179—15.6)



1. A communication system for transmitting a complex amplitude variable wave comprising means for producing at regularly-repeated intervals energy representative of the rate of change and direction of change of said wave in amplitude, and means for transmitting discrete signals of constant amplitude but variable polarity under control of said produced energy.

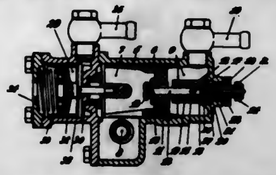
2,568,722
COMPRESSED FLUID DISTRIBUTOR
Albert Dewandre, Brussels, Belgium
Application April 17, 1946, Serial No. 662,901
In Belgium January 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 30, 1963
3 Claims. (Cl. 188—3)



1. For use in a tractor braking system having brakes and a brake control lever directly connected to said brakes to actuate the same, a control valve device, adapted to actuate a trailer power braking system, comprising a casing, a pressure responsive movable member in said casing connected to said brake control lever, inlet and exhaust valve elements in said casing controlled by said pressure responsive movable member, means for opposing movement of said brake control lever with a pressure proportional to the controlled pressure during a predetermined part of the stroke of the brake control lever, and means for permitting additional brake-applying movement of said brake control lever without an increase of effort over that required when the controlled pressure reaches its maximum value.

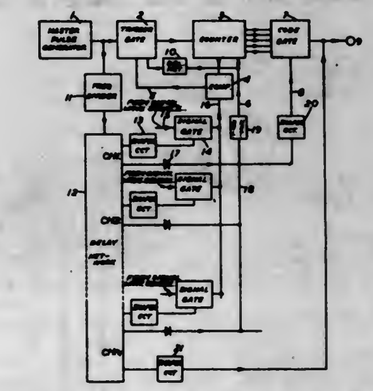
2,568,723
RELAY VALVE FOR COMPRESSED FLUIDS
Albert Dewandre, Brussels, Belgium
Application April 17, 1946, Serial No. 662,902
In Belgium February 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 17, 1963
5 Claims. (Cl. 303—32)

1. A relay valve device comprising a casing divided into two compartments, a first pressure responsive movable member in one of said compartments dividing the same into two chambers, one of which is connected to the device to be controlled and the other of which is in constant communication with a source of relatively high pressure, a normally open valve element actuated by movement of said pressure responsive member and arranged to control communication of said one chamber with said other chamber, a normally



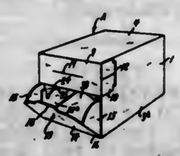
closed valve element arranged to control communication of said one chamber with a source of relatively low pressure, a direct connection between said valve elements, and a second pressure responsive movable member in the other compartment of the casing dividing said compartment into two chambers, one of which is connected to the control line, said first and second pressure responsive movable members being mechanically interconnected.

2,568,724
ELECTRIC PULSE CODE MODULATION SYSTEM OF COMMUNICATION
Charles William Earp and Malcolm Frank Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 10, 1949, Serial No. 75,533
In Great Britain February 20, 1948
9 Claims. (Cl. 332—9)



1. An electric pulse code modulator for the simple addition binary code comprising a periodically operating counting device arranged to build up a potential wave the amplitude of which changes progressively in discrete steps, said counting device comprising a chain of binary counting stages each operated by the previous one, and means for applying to the first stage a train of regularly repeated trigger pulses, means for comparing the potential wave with a signal wave potential, means for stopping the operation of the counting device when the difference of the two wave potentials has reached a specified value, and means for deriving from each counting stage a potential representing one binary digit of the total number of successive binary digits characterizing the signal wave amplitude at substantially the given instant when the difference of the two wave potentials has reached said specified value.

2,568,725
RECEPTACLE
Harry J. Fey, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application January 24, 1949, Serial No. 72,415
4 Claims. (Cl. 229—17)



3. A receptacle comprising an outer housing formed of folded material, said housing being provided with a bottom wall and an upper front wall portion beneath which a discharge opening is formed for articles contained within the receptacle, a movable closure for closing said discharge opening, said closure comprising a movable extension of said bottom wall and having opposed wing portions which are folded portions of said closure and which in the closed position of the closure are disposed within said housing, abutments formed on said opposed wing portions of said closure which are adapted to engage said upper front wall portion so as to limit outward movement of said closure to its open position, a liner located within said outer housing which is formed of folded material and is provided with an upper front wall portion which is inclined downwardly and rearwardly and which is provided with a discharge opening beneath said upper front wall portion, said liner being provided with a bottom wall, a top wall, and opposed side walls, and said opposed wing portions of said closure being interposed between the side walls of said outer housing and the side walls of said liner, and a false bottom located within the lower portion of said liner, said false bottom having an upper surface which is inclined forwardly and downwardly toward the discharge openings of said liner and said outer housing.

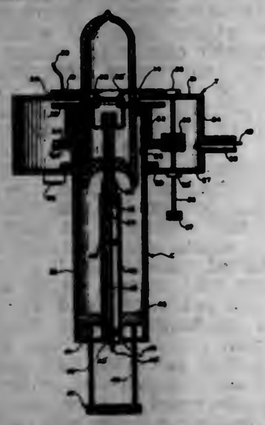
2,568,726
AIR-COOLED TURBINE BLADE
Anselm Franz, Wood City, Dayton, Ohio
Application August 3, 1949, Serial No. 108,402
7 Claims. (Cl. 253—39.15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gas turbine power plant including a source of high pressure air, a turbine blade con-

struction comprising a metallic core member adapted for rigid attachment at the root end of the blade to a turbine wheel in radially extending relation, a metallic blade shell surrounding said core member in spaced relation and including a plurality of telescopic shell sections of similar size and shape, positioning and securing means engaging each shell section and said core member at opposite sides of said blade construction and at points directly opposite each other, and means to conduct limited quantities of said high pressure air into the space between said core member and said blade shell.

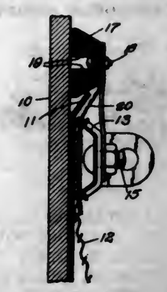
2,568,727
ULTRA HIGH FREQUENCY VACUUM TUBE OSCILLATOR DEVICE
William H. Freeman, Belmar, N. J.
Application November 27, 1943, Serial No. 511,924
14 Claims. (Cl. 315—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A high frequency oscillator comprising in combination a vacuum tube having an envelope, cathode, grid, and anode electrodes within said envelope, a toroidal cavity resonator coupling at least two of said electrodes, said resonator being concentric with and surrounding said envelope, said resonator having inner and outer walls, dielectric material separating said inner and outer walls to provide insulation therebetween for direct currents, but providing capacitive coupling of low impedance to currents of said frequency, and means for varying the capacity between said inner and outer walls, said means comprising an annular member surrounding said inner wall and axially movable relative thereto.

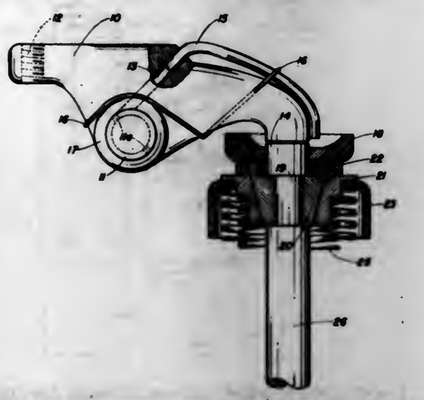
2,568,728
WIPER FOR FLOATING ROOF TANKS
Fred L. Goldsby and Clifford M. Orr, Chicago, Ill., assignors to Chicago Bridge & Iron Company, a corporation of Illinois
Application February 14, 1947, Serial No. 728,468
1 Claim. (Cl. 220—26)

In a liquid storage tank having a floating roof, one or more shoes adapted to slidably contact the inner tank walls, and a flexible seal between the roof and the shoes, means for excluding water from the space between the shoes and the tank walls comprising an annular member for holding said flexible seal against the upper portion of the shoes, a plurality of circumferentially spaced resilient brackets attached to said annular member and extending above the shoes, an annular wiper attached to the upper portion of said brackets, said wiper being formed entirely of resilient material having a plurality of annular finger portions adapted to be urged against the inner tank walls by said resilient brackets with the upper exposed surface of the wiper slanting downwardly and inwardly from its outer tank



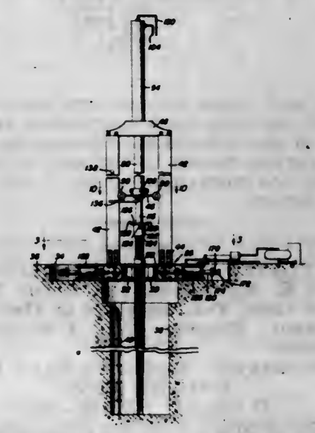
wall contacting edge to its inner edge, said wiper being adapted to retain said downwardly and inwardly sloping surface under all conditions of movement against the sidewalls of the tank, and an annular flexible sealing member secured in sealing engagement with said wiper and the upper portion of the shoes to seal the space between the wiper and the shoes.

2,568,729
OVERHEAD VALVE LUBRICATING AND COOLING APPARATUS
Francis R. Good, United States Navy
Application November 4, 1946, Serial No. 707,547
4 Claims. (Cl. 123—90)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



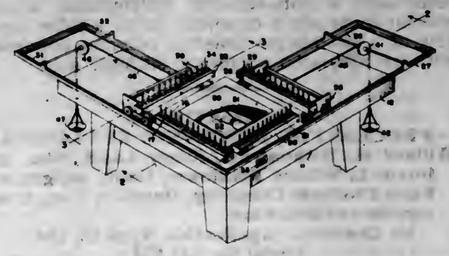
1. A valve improvement kit of parts adapted to be installed upon the head of a valve stem in an overhead valve type of engine, said engine including, in addition to the valve stem having a circumferential groove near the top thereof, a collar having a tapered bore, a two-part, or split, tapered keeper embracing said stem at the groove and held within said collar bore, and a spring compressed beneath said collar, comprising: a split, tapered keeper adapted to replace the first mentioned keeper and characterized thereover by the provision of recesses in the inner surfaces of its two halves adjacent the valve stem; and a cup having an upwardly extending recess in the base thereof adapted to seat over the top of the valve stem, said cup having an outwardly extending flange portion on the base thereof around said recess adapted to lock into the recesses in said keeper.

2,568,730
APPARATUS FOR FORMING FLUTES IN HOLLOW LAMPPOSTS
Hans Guthmann, Pasadena, Md.
Application March 16, 1949, Serial No. 81,698
17 Claims. (Cl. 153—70)



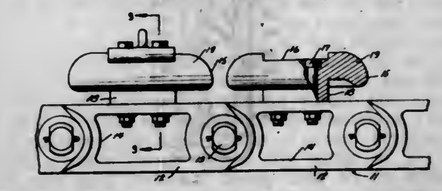
1. In a machine for fluting tapered metal columns, a tapering mandrel, a vertically disposed support, a vertically movable carriage slidable on the support and secured to the mandrel, a base for the support. a plurality of rollers slidably mounted on the base and disposed radially of the mandrel for pressing a column against the mandrel, and a common hydraulic means for simultaneously imparting vertical movement to the carriage and horizontal movement to the rollers, said hydraulic means including means associated with said rollers for resisting the pressure placed on the rollers by a column mounted on the mandrel.

2,568,731
INSTRUMENT FOR MEASURING ELASTICITY AND ELASTIC RECOVERY OF TEXTILE FABRIC
Arnold M. Hansen, Berwyn, and Hazel M. Fletcher, Hyattsville, Md., dedicated to the free use of the People in the territory of the United States
Application January 7, 1949, Serial No. 69,768
1 Claim. (Cl. 73—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



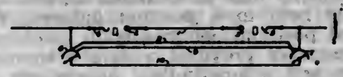
An instrument for testing the elasticity and elastic recovery of a fabric comprising a frame, means fixedly mounted on the frame for holding a rectangular piece of fabric to be tested along a crosswise edge, means fixedly mounted in the frame for holding the piece of fabric along a lengthwise edge, a carriage mounted on the frame movable perpendicularly relative to the crosswise edge and having means thereon for holding the piece of fabric along the remaining crosswise edge, a second carriage mounted on the frame movable perpendicularly relative to the lengthwise edge and having means thereon for holding the piece of fabric along the remaining lengthwise edge, each of said means for holding the piece of fabric along its edges being so constructed and arranged as to permit stretch and elastic recovery of the fabric along the edges, means for applying or releasing a force to each of said carriages in the direction of its movement, and means for measuring the force, whereby the fabric may be stretched and allowed to recover simultaneously in both its crosswise and lengthwise directions and the elasticity and elastic recovery determined by observing the amount of stretch and recovery.

2,568,732
REMOVABLE ENDLESS TRACK PAD
Edward G. Hartdorn, Dover, N. J.
Application June 21, 1949, Serial No. 100,458
2 Claims. (Cl. 305—10)



2. A shoe structure for attachment to a link of an endless track comprising a pad member superimposed upon said link, fastening elements carried by said pad member extending through said link and secured thereto, the bounding edges of the said pad member being smooth, there being a transverse groove in the upper face of said pad member, a transversely disposed ground engaging element positioned within said groove of said pad member, other fastening elements extending through said ground engaging element and said pad member and secured to said pad member, and a projecting rib on the upper face of and extending transversely of, said ground engaging element.

2,568,733
ELIMINATION OF TRICORDS IN TOLL EXCHANGES
Andre Jean Henquet and Roger Marcel Mauge, Boulogne-Billancourt, France, assignors to International Standard Electric Corp., New York, N. Y., a corporation of Delaware
Application May 23, 1947, Serial No. 750,124
In France September 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 22, 1963
5 Claims. (Cl. 179—27)



1. In a telephone exchange system, a plurality of operator's cord circuits at an operator's position, a plurality of calling and called trunks terminating at said position, means for establishing a connection from any calling trunk to any called

trunk over a cord, a plurality of by-pass circuits for said cord circuits, finders connected to each by-pass circuit, said finders being connected in multiple to all said calling and called trunks respectively, a sequence switch for each by-pass circuit, a test relay for each by-pass circuit, a start relay adapted to be operated when a cord interconnects certain trunks thereby moving finders associated with said trunks, circuits energized upon operation of said start relay for starting and stopping the sequence switch until the finders in conjunction with the test relay have found the calling and called trunks, and a talking circuit established between the calling and called trunks via an established by-pass circuit and its associated finders.

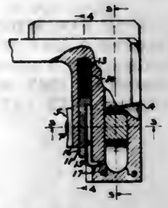
2,568,734
MOTION PICTURE REPRODUCING APPARATUS
Don Heyer, Los Angeles, Calif., assignor to International Powermatic Corporation, Los Angeles, Calif.
Application July 9, 1945, Serial No. 603,873
4 Claims. (Cl. 88—18.7)



1. In a projector, means supporting the film as a tensioned coil, said means being movable to locate the film in projecting position, projector means movable into cooperative relation with said support means to project the film, said coil having inner and outer surfaces, the film passing from one surface past a film gate to the other surface, the film between said surfaces forming a loop, means for setting the loop comprising a pair of members supported for movement within the loop adjacent the opposite sides thereof respectively and normally free of the film, and means whereby movement of the projector means into cooperative relation with the support means urges said members apart to engage the film and adjust the loop and then releases the members.

2,568,735
SECURING MEANS
Edward W. Hopkins, Longmeadow, Mass.
Application October 14, 1946, Serial No. 703,109
2 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. As a new article of manufacture, means for releasably securing in place separate elements of a mechanism in order that at least one of the elements may be changed to, and then releasably held in a position different from its original position, comprising in combination, a body member provided with a transverse hole therein and a longitudinal hole above and intersecting said transverse hole, a pin member extending through said transverse hole and provided with an annular groove therearound, a spring-biased pin member movable in said longitudinal hole and slidably engageable with said annular groove, said body member being provided with a recess which is in a substantially parallel plane with said transverse hole, said spring-biased pin being provided with a longitudinal groove in the side thereof which is adjacent said recess in said body member, and a locking pin including a longitudinal portion disposed in said longitudinal groove and a transverse portion which is disposed in said recess whereby the relative movement of said pin member is limited.



2,568,736
ALKYLATED POLYCYCLIC SULFONATES
Willard H. Kirkpatrick and Doyne L. Wilson, Sugar Land, Tex., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application May 1, 1946, Serial No. 666,526
17 Claims. (Cl. 260—505)

15. The products from the group consisting of: (1) the products obtained by heating polymerizable petroleum diolefine polymers boiling within the range of 145° F. to 700° F. at 80° C. to 150° C. within a sufficient amount of an alkylated polycyclic sulfonic acid to render such polymers water wettable, and the salts, esters and amine condensation products thereof; and (2) the products obtained by heating polymerizable petroleum diolefine polymers boiling within the range of 145° F. to 700° F. at 80° C. to 150° C. with an alkylated polycyclic sulfonic acid partially neutralized with an amine and then finally neutralizing the resultant product.

2,568,737
REVERSE DETERGENTS
Willard H. Kirkpatrick, Sugar Land, Tex., and Doyne L. Wilson, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application March 13, 1947, Serial No. 734,534
8 Claims. (Cl. 252—161)

1. The method of conditioning surfaces for use under conditions such that traces of water constitute a contaminant which comprises rinsing the surfaces with a non-aqueous rinse comprising essentially a non-aqueous hydrophobic organic solvent in which is dissolved an oil soluble amine salt of a petroleum diolefine polymer condensed with an alkylated polycyclic sulfonic acid.

2,568,738
PROCESS FOR RESOLVING EMULSIONS
Willard H. Kirkpatrick, Sugar Land, Tex., and Doyne L. Wilson, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application April 15, 1947, Serial No. 741,678
9 Claims. (Cl. 252—341)

1. A process for the resolution of a water-in-oil emulsion which comprises subjecting said

emulsion to the action of a quantity of a condensation product of (a) a modified alkylolamine made by heating an alkylolamine containing at least two hydroxy groups in its molecule at a temperature of at least 175 degrees C. in the presence of an acidic condensing agent until a more viscous material is obtained and (b) at least one detergent forming body containing at least 8 carbon atoms in a hydrocarbon structure, said condensation being effected with the elimination of an aqueous distillate at a temperature of at least 160 degrees C. to form a water wettable surface active product, the ratio of said detergent forming body to said modified alkylolamine corresponding to a molal ratio of 3:1 to 1:3 calculated on the basis of acidic groups in the detergent forming body to amino groups in the monomeric alkylolamine, said quantity being sufficient to effect a separation of water from oil in said emulsion.

2,568,739
PROCESS FOR RESOLVING EMULSIONS
Willard H. Kirkpatrick, Sugar Land, Tex., and Earl T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application September 19, 1947, Serial No. 775,146
7 Claims. (Cl. 252—341)

1. A process for breaking emulsions of the water-in-oil type comprising subjecting the emulsion to the action of a water-wettable modified alkyd resin derived from the reaction of a polybasic acid, a mixed ester and an alkylolamine, said mixed ester resulting from the substantially complete esterification reaction of a polyhydric alcohol and a mixture of at least two dissimilar unsaturated mono-carboxy acids wherein at least one of said acids is a carbocyclic rosin acid and another is of the fatty acid type having at least 8 and not more than 32 carbon atoms in the chain, the total acids forming the lesser of said dissimilar unsaturated carboxy acids constituent being at least 30% by weight of the whole of said unsaturated carboxy acids, said reaction being effected with the elimination of water at a temperature of at least 165° C. to produce a water-wettable product.

2,568,740
DEMULSIFYING COMPOSITIONS
Willard H. Kirkpatrick, Sugar Land, Tex., and Doyne L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application March 16, 1948, Serial No. 15,278
10 Claims. (Cl. 252—341)

1. A composition consisting essentially of an oil-in-water demulsifying surface active organic sub-resinous water wettable colloid as one component, a hydrophilic un-ionized colloid as another and different component, water, and a gel liquefying agent for said hydrophilic un-ionized colloid, said un-ionized colloid being present in proportions corresponding to one part of un-ionized colloid to 3 to 9 parts by weight of said demulsifier chemical, and said gel liquefying agent being present in proportions corresponding to a weight ratio to said un-ionized colloid within the range of 0.5:1 to 4:1, the quantity of said gel liquefying agent being sufficient substantially to inhibit gel formation in the hydrophilic un-ionized colloid, and said composition being effective to break an oil-in-water emulsion when added thereto in proportions of one part by weight calculated on total solids per 20,000 to 120,000 parts of said emulsion.

2,568,741
PROCESS AND COMPOSITIONS FOR RESOLVING PETROLEUM EMULSIONS
Willard H. Kirkpatrick, Sugar Land, Tex., and Earl T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application March 26, 1948, Serial No. 17,386
4 Claims. (Cl. 252—341)

1. A process for breaking a water-in-oil emulsion which comprises subjecting the emulsion to the action of a modified resin derived from the reaction of a blown tall oil, triethanolamine, an acidic salt of a metal forming an amphoteric hydroxide and a mixed ester resulting from the reaction of a polyhydric alcohol and a mixture of at least two dissimilar unsaturated carboxy acids wherein at least one of said acids is a carbocyclic resin acid and another is of the fatty acid type having at least 8 and not more than 32 carbon atoms in an aliphatic chain, the proportions of said acidic salt being within the range of 0.5 to 8% by weight of said alkylolamine, the proportions of the blown tall oil being within the range of 10% to 25% by weight of the resultant reaction product, the proportions of said mixed ester being within the range of 45% to 65% by weight of the resultant reaction product, and the proportions of alkylolamine being within the range of 20% to 40% by weight of the resultant reaction product, the molal ratio of amino groups to acidic groups being within the range of 3:1 to 1:3, and said reaction being only to an extent sufficient to produce a water-wettable, interfacial and surface-active product.

2,568,742
CHEMICAL DEMULSIFYING COMPOSITION AND DEMULSIFICATION METHOD
Willard H. Kirkpatrick, Sugar Land, Tex., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application December 14, 1948, Serial No. 65,292
17 Claims. (Cl. 252—331)

1. A process for the resolution of oil-in-water emulsions which comprises subjecting an oil-in-water emulsion to the action of a composition comprising essentially a molecularly dehydrated condensation product of the reaction of 3% to 10% by weight of zinc chloride with an alkylolamine, intimately dispersed with a hydrophilic unionized colloid in a mutual solvent for said colloid and said condensation product.

2,568,743
PROCESS FOR RESOLVING EMULSIONS
Willard H. Kirkpatrick, Sugar Land, Tex., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware
No Drawing. Application December 14, 1948, Serial No. 65,293
4 Claims. (Cl. 252—341)

1. A process for breaking emulsions of the water-in-oil type which comprises subjecting such emulsions to the action of a condensation reaction product of an alkanolamine containing at least two hydroxy groups in its molecule and

a mixture of at least two dissimilar unsaturated mono-carboxy acids wherein at least one of said acids is a carbocyclic resin acid and another of said acids is of the acyclic type having at least 8 and not more than 32 carbon atoms in the chain, the quantity of the alkanolamine being a 100% to 600% molar excess of that quantity theoretically required for the acylation of the hydroxyl groups contained in said alkanolamine by the carboxy groups contained in said acids, the condensation being effected by heating with the elimination of water to temperatures within the range of 130° C. to 300° C. and stopping the reaction short of gelation.

2,568,744

DEMULSIFICATION PROCESS AND COMPOSITION

Earl T. Kocher, Bellflower, Calif., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application December 29, 1948, Serial No. 68,088

14 Claims. (Cl. 252—331)

1. A process for the resolution of oil-in-water emulsions which comprises subjecting an oil-in-water emulsion to the action of a molecularly dehydrated condensation product of the reaction of 3% to about 10% by weight of zinc chloride and the residue remaining from the reaction of an alkylene oxide having at least two carbon atoms and ammonia after the removal of monoamines in which the ratio of alkylene oxide to nitrogen does not exceed 3:1.

2,568,745

DEMULSIFYING COMPOSITION AND PROCESS FOR BREAKING AN OIL-IN-WATER EMULSION

Willard H. Kirkpatrick, Sugar Land, Tex., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application January 11, 1949, Serial No. 70,368

17 Claims. (Cl. 252—331)

1. A process for the resolution of oil-in-water emulsions which comprises subjecting an oil-in-water emulsion to the action of a composition comprising essentially a molecularly dehydrated condensation product of the reaction of 3% to 10% by weight of zinc chloride and the residue remaining from the reaction of an alkylene oxide having at least two carbon atoms and ammonia after the removal of monoamines in which the ratio of alkylene oxide to nitrogen does not exceed 3:1, and a hydrophilic unionized colloid intimately dispersed in a mutual solvent for said colloid and said condensation product.

2,568,746

EMULSION BREAKING

Willard H. Kirkpatrick, Sugar Land, Tex., and Doyne L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application April 8, 1949, Serial No. 86,392

9 Claims. (Cl. 252—341)

1. A process for breaking an emulsion of the water-in-oil type which comprises subjecting the emulsion to the action of a compound from the group consisting of alkenyl succinic acids, their esters and salts of said acids and esters wherein the salt-forming group is from the group consisting of alkali metal, alkaline earth metal, ammonium and amine salt-forming groups and in which the alkenyl group contains at least 5 carbon atoms and not more than 30 carbon atoms, the quantity of said compound being effective to break said emulsion.

2,568,747

MIXED ESTER AMINE POLYBASIC ACID COMPOSITIONS

Willard H. Kirkpatrick, Sugar Land, Tex., and Earl T. Kocher, Bellflower, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application June 11, 1949, Serial No. 98,626

9 Claims. (Cl. 260—22)

1. A composition of matter comprising a modified alkyd resin derived from the reaction of a polycarboxy organic acid, a mixed ester, and an alkylol amine, said mixed ester resulting from the reaction of a polyethylene glycol having a molecular weight within the range from 200 to 600 and a mixture of at least two dissimilar unsaturated monocarboxy organic acids wherein at least one of said acids is a carbocyclic natural resin acid and another is an acyclic monocarboxy acid having at least 8 and not more than 32 carbon atoms in the chain, the weight ratio of said acyclic monocarboxy acid to said carbocyclic monocarboxy acid in the mixed ester being within the range of 1:1 to 2:1 and the lesser of said monocarboxy acids component always being in excess of about 30% of the total monocarboxy acids, the quantity of said unsaturated monocarboxy acids being sufficient to esterify completely the hydroxyl groups of said polyethylene glycol, the proportions of said reactants corresponding to 1 mol of total mixed ester per ⅓ mol to 3 mols of alkylol amine and 1 mol of the resultant alkylol amine-modified ester per ½ mol to 3 mols of said polycarboxy organic acid, said reaction being effected with the elimination of water at a temperature of at least 165° C. to produce a water wettable product.

2,568,748

COMPOSITIONS AND PROCESS FOR RESOLVING EMULSIONS

Willard H. Kirkpatrick, Sugar Land, Tex., and Doyne L. Wilson, Pasadena, Calif., assignors to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application November 10, 1950, Serial No. 195,136

15 Claims. (Cl. 252—344)

1. A process for the resolution of a reversed emulsion of the oil-in-water type, which comprises subjecting the emulsion to the action of a sub-resinous colloid which is a reaction product of a molecularly dehydrated alkylolamine and a detergent forming body possessing an acidic function and containing at least 8 carbon atoms in a hydrocarbon structure, at least partially neutralized with an acid, and admixed with a hydrophilic un-ionized colloid, the quantity of said hydrophilic un-ionized colloid being 5% to 25% by weight of said reaction product.

2,568,749

CONTACT PLATE CONSTRUCTION

Walter Kittel, Gmunden, Austria

Application July 31, 1947, Serial No. 765,227

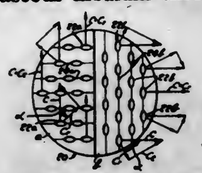
In Germany December 16, 1941

Section 1, Public Law 690, August 8, 1946

Patent expires December 16, 1961

22 Claims. (Cl. 261—113)

1. A contact plate for use in a contacting column wherein a liquid and a gaseous medium are brought into intimate contact, said plate having a circular circumference and being divided into at least two zones, each zone being bounded by two radii of said plate and a portion of its circumference and having a plurality of passages extending from one surface of the plate to the other surface thereof and being capable of conducting the gaseous medium through the plate,



the passages of each zone being arranged in series of substantially linear parallel rows, the passages of each row being spaced from each other, the outlets of the passages for the discharge of the gaseous medium in each zone being inclined in the same direction to the plane of the plate so as to impart to the gaseous medium a motion in a transverse direction, and the outlets of the passages of different zones being inclined in different directions.

2,568,750

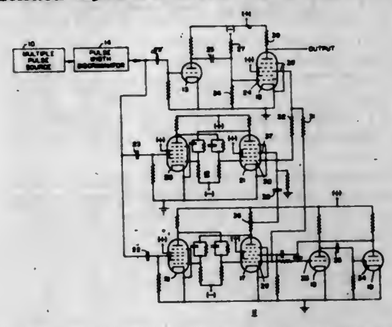
DISCRIMINATOR CIRCUIT

Ernst H. Krause, Cheverly, Md., and Conrad H. Hoeppner, Washington, D. C.

Application November 13, 1945, Serial No. 628,333

7 Claims. (Cl. 177—353)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A selector system providing response to a predetermined multiple pulse signal; comprising, a multiciplicity of electronic trigger circuits having dual conductivity states, means operating each of said electronic trigger circuits to a reference conductivity state in response to input pulses in number one less than the number of pulses in the signal, coincidence means connected to said electronic trigger circuits for delivering an output signal in response to a final input pulse occurring with said electronic trigger circuits in their reference conductivity state, and time determining means changing at least one of said electronic trigger circuits from its reference conductivity state a predetermined time interval after the initial pulse of the multiple pulse signal.

2,568,751

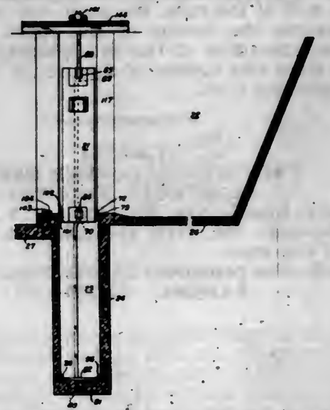
GRAVING DOCK

Einar T. Larsen, Oakland, Calif., assignor to Kaiser Steel Corporation

Application November 22, 1946, Serial No. 711,741

11 Claims. (Cl. 61—64)

11. In a graving dock having walls and a mouth for ships to pass through the combination of a vertically movable gate, means for alternately moving said gate upward to close and downwardly to open said mouth, resilient sealing members rigidly fastened to the bottom and side edges of said gate and adapted to contact the mouth portion of said dock, when said gate has been elevated to close said mouth, curved guide means located on the side edges of said mouth and cooperating with projections on the side edges of said gate for moving said gate laterally



to bring said sealing members into engagement with the mouth of said dock upon the elevation of the said gate, a casing forming a chamber to receive said gate under said mouth when said gate is lowered, means for removing water and sediment from the bottom of said chamber comprising spray pipes laterally disposed in the bottom of said chamber and in such a manner as to dislodge deposits of sediment and a pump means adapted to discharge the water and sediment from the chamber, and means for positively locking said gate while in an elevated position.

2,568,752

DENTAL IMPRESSION COMPOSITION

Edwin H. Lochridge, Los Angeles, Calif., assignor to Dental Perfection Company, a company of California

No Drawing. Application July 28, 1947, Serial No. 764,247

18 Claims. (Cl. 18—47)

1. A composition of matter comprising an alkali metal salt of a weak organic acid selected from the group consisting of pectic, alginic, and methylcarboxycellulose acids, sodium fluosilicate and lead orthosilicate.

2,568,753

GARMENT HANGER

Walter Ludwig, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich., a corporation of Michigan

Application August 28, 1946, Serial No. 693,513

9 Claims. (Cl. 223—92)



6. In a garment hanger, the combination of a supporting yoke, and a suspending hook, said

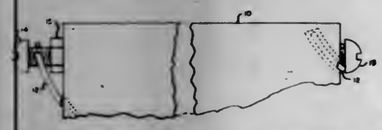
yoke being of tubular cross section and of fibrous material and having downwardly diverging garment supporting arms integrally connected to each other at the apex of the yoke, said suspending hook being formed of wire and having a hook portion and a shank portion, said shank portion being disposed through the yoke at the apex thereof and terminating below the yoke in oppositely disposed arms having upwardly projecting prongs disposed through slits in the under wall of the yoke, the outer end of the prongs engaging the bottom of the upper wall of the yoke, the edges of the slits yieldingly engaging the sides and bottom of the prongs to retain the suspending hook.

2,568,754

FACSIMILE RECORDER HELICAL ELECTRODE MOUNTING

Walter Lupish, New Hyde Park, N. Y., assignor to Faximile, Inc., New York, N. Y., a corporation of Delaware

Application September 23, 1946, Serial No. 704,163
2 Claims. (Cl. 346—101)



2. For use in an electrical recorder, a helical electrode construction comprising a drum having cylindrical and end surfaces, a metallic wire recording electrode, means for fastening one end of said wire electrode to one end of said drum, screw and lock nut tightening and fastening means at the opposite end of the drum for the opposite end of the wire electrode, the wire electrode being wrapped helically around the cylindrical portion of the drum, and a flexible straight grooved strip of insulating material wrapped helically around the drum under the wire electrode with the electrode positioned in the groove of the strip, whereby the wire electrode, when one end thereof is tightened and locked by said means, is rigidly maintained in a helical form and may easily be replaced when necessary due to wear.

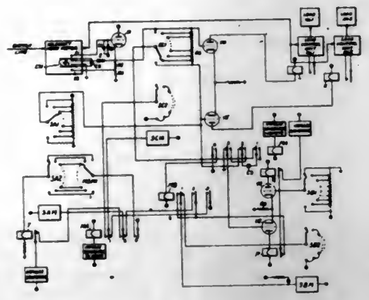
2,568,755

ELECTRICAL CONSUMPTION AND CONTROL MEASURING EQUIPMENT

Eric Malcolm Swift McWhirter, Frederick William Warden, and Hugh Jennings Ward, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application November 27, 1945, Serial No. 631,155
In Great Britain November 2, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 2, 1964
5 Claims. (Cl. 171—34)

1. Electrical impulse counting equipment for indicating the quantity of energy consumed during a predetermined period of time comprising, in combination with a metering device, means for totalizing the flow consumption of said energy for successive incremental intervals of time within said predetermined time period, means for normally allocating consumption of a given portion of the total quantity of said energy in each incremental interval, means for comparing the energy actually consumed in each time interval with the energy normally allocated to each such time interval to obtain the difference therebetween, and means for modifying said means for normally allocating consumption of a given portion of the



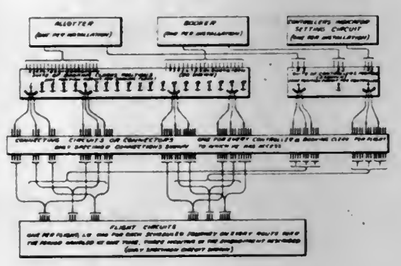
total quantity of said energy in each succeeding incremental interval in accordance with said difference.

2,568,756

RESERVATION SYSTEM

Eric Malcolm Swift McWhirter and Hugh Jennings Ward, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application November 9, 1946, Serial No. 709,010
In Great Britain September 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1965
18 Claims. (Cl. 177—353)



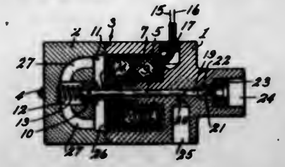
1. In a reservation system comprising a plurality of recording means, each associated with a different unit for which a reservation may be booked, each of said recording means having a plurality of different settings, each setting representative of each reservation that may be accommodated by the unit with which each of said recording means is associated, a plurality of enquiry stations each adapted to transmit enquiry signals, a plurality of connecting means selectively coupling said stations with said recording means, said connecting means operable in response to the receipt of signals transmitted thereover from said stations, indicating means under control of said connecting means at each of said stations to indicate the setting of a selected of said recording means, and means at each of said stations to alternatively connect said stations with different, pre-selected of said recording means to indicate the setting thereof, said last-named means under control of said connecting means and said stations and operable only when a predetermined setting of a selected recording means is indicated by the indicating means associated with said enquiry stations.

2,568,757

VIBRATORY ELECTRIC MOTOR

Theodore J. Mesh, Easthampton, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts

Application November 7, 1949, Serial No. 125,906
2 Claims. (Cl. 172—126)



1. A vibratory electric motor comprising, an electromagnet including a coil having a passage extending axially therethrough, a member of magnetic material having an end wall against the inner face of which one end face of said coil abuts, a core connected at one end to and extending from said face of said end wall into and part way only through the passage in said coil, and an annular shell connected to said face of the end wall and surrounding the outer periphery of the coil, a sleeve of magnetic material fixed to the other end of said core and extending through said passage to the other end face of said coil, a second member of magnetic material having an end wall with an inner face confronting the second-named end face of said coil and a shell projecting from the inner face of the second end wall and abutting the first-named shell to complete an enclosure for said coil and provide a cylindrical space between the inner face of the second end wall and the second-named end face of said coil, the end wall of the second member having a passage extending from its inner face inwardly in coaxial relation with said core toward but stopping short of its outer face; an armature slidably mounted in the last-named passage and closely engaging the wall thereof; said armature being in a magnetic circuit comprising both end walls, both shells, the core and sleeve and an axial air gap between the outer end of the sleeve and the adjacent end face of the armature; a rod fixed at one end to said armature and extending across the cylindrical space, into and through said sleeve and through said core, and springs one in the last-named passage between its inner end and the adjacent end face of the armature and the other coiled around said rod and acting between the other end face of the armature and the outer end of said core.

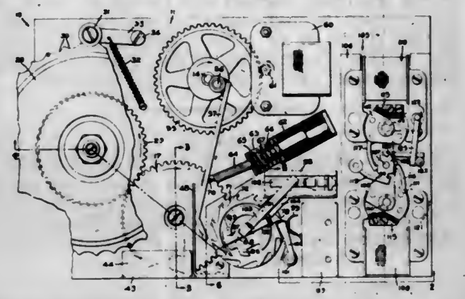
2,568,758

EGG TOTALIZER

Harold J. Mumma, Riverside, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware

Application March 14, 1950, Serial No. 149,630
6 Claims. (Cl. 235—92)

1. In a device for actuating a counter, the combination of: a ratchet wheel, the number of teeth on which are equal to a standard number; reciprocating electromotive means for rotating said ratchet wheel one tooth at a time; a counter control switch having means for engaging said teeth whereby said switch is actuated and in turn actuates said counter once for each time one of said teeth passes said means; primary control means for starting said electromotive means to operate repeatedly; primary stop means responsive to a complete single revolution of said ratchet wheel to stop said electromotive means; a rotor mounted concentrically with said ratchet wheel and adapted to be rotated by said ratchet wheel by the engagement of pins, one of which is on said ratchet wheel and one of which is on said rotor, being rotatable to separate said pins whereby said rotor will be disposed any desired portion of an approximately complete revolution in advance of said ratchet wheel; a secondary switch for starting said electromotive means repeatedly operating; and



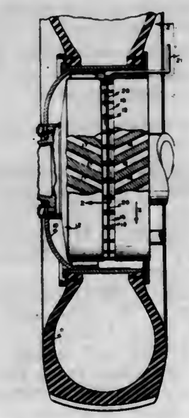
means responsive to an advance rotation of said rotor as aforesaid to close said secondary switch, thereby causing said electromotive means to rotate said ratchet wheel and actuate said counter switch and said counter a lesser number of times than said standard number and until said pins are again brought together, said secondary switch actuating means being responsive to said ratchet wheel catching up with the advanced position of said rotor to open said secondary switch and halt said electromotive means.

2,568,759

LIQUID OR AIR COOLED BRAKE DRUM

Ancel S. Page, Portland, Oreg.

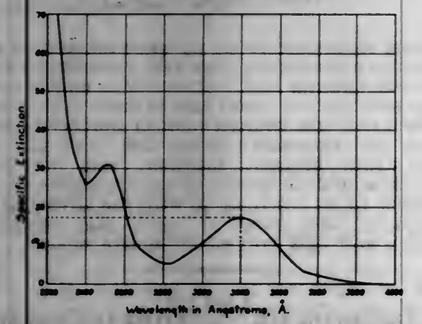
Application August 31, 1948, Serial No. 47,081
2 Claims. (Cl. 188—264)



1. A brake drum of the character described having an inner cylindrical face adapted to have braking means applied thereto and an outer cylindrical face, an open annular trough extending inwardly from said outer face and centrally located therein and adapted to receive a cooling liquid delivered on to said drum, a series of equally-spaced transverse vanes extending entirely across said trough and forming said trough into a succession of completely separated pockets, the top edges of said vanes lying in said outer cylindrical face of said drum, said transverse vanes

sloping forwardly in the direction of normal rotation of said drum, whereby making said pockets scoop-shaped, said pockets being rounded on the bottom transversely, and a pair of drum-cooling channels of circular cross section leading from the bottom of each of said pockets through the body of the drum to the opposite sides of said drum respectively, said channels sloping obliquely from said pockets away from the direction of normal rotation of said drum, whereby liquid received into said pockets will be drawn from said pockets and through said channels by the rotation of said drum in its normal direction, the diameter of said channels being less than the spacing between said vanes forming said pockets.

2,568,760
FILTER FOR ULTRAVIOLET RADIATIONS
Irwin A. Pearl, Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin
Application October 21, 1947, Serial No. 781,166
11 Claims. (Cl. 117—138.8)

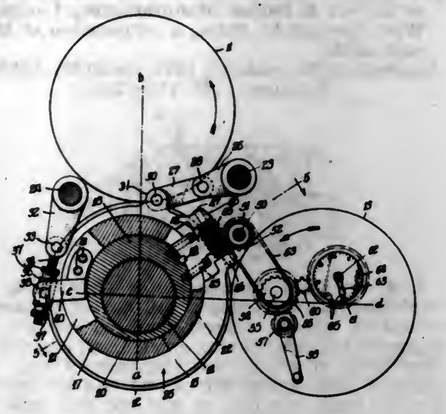


Ethyl Ester of 2-Hydroxy-3-Methoxy Benzoic Acid (Ortho-vanillic acid)

1. A wrapping material substantially impervious to ultraviolet radiations in the range of about 2300 to 3600 Å., comprising a base sheet having incorporated therewith an ester of 2-hydroxy-3-methoxy-benzoic acid.

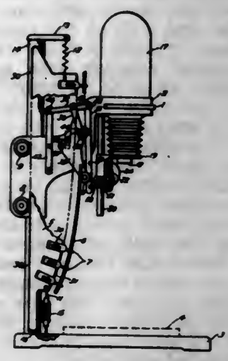
2,568,761
PRESSURE ADJUSTMENT AND TRIP FOR PRINTING CYLINDERS
Henri E. Peyrebrune, River Forest, Ill., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1946, Serial No. 656,255
4 Claims. (Cl. 101—218)

1. In a printing press having a plate, blanket and impression cylinder and means for tripping said blanket cylinder away from said plate and impression cylinders, including nested eccentric members, the provision of means for adjusting the position of one of said eccentric members to thereby vary the squeeze pressure of the blanket on the impression cylinder comprising a yoke rotatably mounted on one of said members, a gear segment fixed to said member and arranged to mesh with a driven worm journalled by said yoke and movable bodily therewith, said worm having axial grooves through its spiral convolutions, and manually operable means remote from said cylinder for adjusting the squeeze pressure between said blanket and impression cylinder including a drive worm having meshing relation with the axial grooves of said driven worm, whereby said driven worm may move bodily with



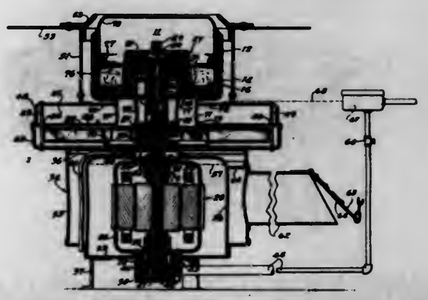
said yoke during the tripping operation while maintaining the meshing relation of said gears.

2,568,762
AUTOFOCUS ENLARGER
Jacob Rabinow, Takoma Park, Md., assignor to Federal Manufacturing & Engineering Corp., Brooklyn, N. Y., a corporation of New York
Application December 8, 1948, Serial No. 64,219
3 Claims. (Cl. 88—24)



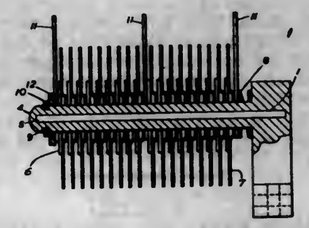
1. In an optical device comprising means for supporting an image-producing surface, a second surface, a lens arranged to project an image on the said supporting surface onto the said second surface, means for supporting said second surface, means cooperatively arranged between the said two supporting means for changing the relative distance between the two surfaces, cam and follower means arranged to change automatically the distance between the said lens and the said two image-supporting means so that the said projected image is at all times projected in sharp focus onto the image surface of the second of said supporting means, said cam means including a cam made at least partially of deformable material and having a contour adapted to be modified by deforming the said material, and comprising a rigid main body, a flexible member, a plurality of adjustable means connecting said flexible member to said main body at several points along the said flexible member, and lens compensating means connecting said follower to the lens and being so arranged that the relative magnitude of the follower motion and of the lens motion may be varied at will.

2,568,763
OIL BURNER WITH ROTARY COMBUSTION CHAMBER
William R. Ray, Los Angeles, Calif.
Application November 24, 1947, Serial No. 787,648
8 Claims. (Cl. 158—77)



1. A rotary oil-burner, comprising: a hollow structure defining internally a combustion chamber, said structure having an end wall and a side wall generally circular in cross-section, the structure being open at its end opposite the end wall; a cup centrally secured within and to said structure and spaced from the side wall thereof, the mouth of said cup facing said end wall and spaced therefrom; means for supplying fuel-oil to the interior of said cup; means for supplying to said chamber air for combustion of said oil; and a motor for rotating the structure about the axis of its side wall at a speed such that the oil is projected by centrifugal force from the rim of the cup toward the side wall of the structure and is atomized thereby.

2,568,764
ELECTRIC CURRENT RECTIFIER
Edward Arthur Richards and Leslie James Ellison, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application February 28, 1948, Serial No. 11,878
In Great Britain March 7, 1947
1 Claim. (Cl. 175—366)



A dry rectifier assembly comprising a non-metallic moulded rod which has an integral mounting bracket at one end and which is circumferentially grooved at the other end, a pile up including rectifier plates and axially operating spring means, and a slotted washer engaging the groove in the rod to hold the pile-up in position on the rod between the mounting bracket and the slotted washer against the pressure of said spring means.

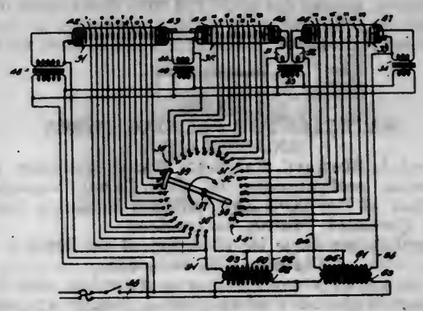
2,568,765
WOOD FILLER COMPOSITION
Leo Roon, Southold, N. Y., and William T. Smith, Rahway, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 20, 1948, Serial No. 16,147
10 Claims. (Cl. 260—19)

8. A wood filler composition characterized by having a binder constituent taken from the group of natural resins, oil modified phenol formaldehyde resins, saturated oil fatty acid-modified glycerol phthalates and conjoint polymerization products of a drying oil acid-modified alkyd with styrene, said composition comprising a continuous phase consisting of one portion of the resin dissolved in a mixture of a volatile organic solvent for the resin and a volatile organic non-solvent for the resin, and a flocculently dispersed phase consisting of aggregates between pigments, the remaining portion of the resin and part of the said solvent for the resin.

2,568,766
WOOD FILLER COMPOSITION
Leo Roon, Southold, N. Y., and William T. Smith, Rahway, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application August 19, 1948, Serial No. 45,203
5 Claims. (Cl. 260—22)

1. A new wood filler composition, prepared by wetting 65 to 75 parts of wood filler pigments with the solution of a first resin comprising 5 to 15 parts of maleic anhydride modified ester gum in 7 to 15 parts of a volatile hydrocarbon solvent of relatively low solvent power, and comingling therewith a solution of 2.5 to 7.5 parts of a second resin in 2 to 8.5 parts of a volatile hydrocarbon solvent of relatively high solvent power; the said second resin being taken from the group consisting of alkyd resins, conjoint polymerization products of alkyds with monomeric styrene, and drying oil modified phenol-formaldehyde resins.

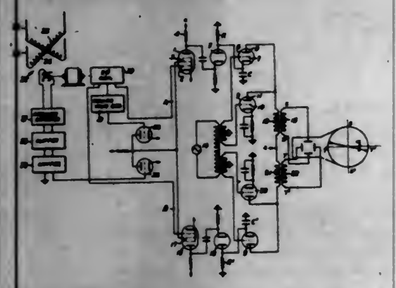
2,568,767
ELECTRONIC ANIMATED ADVERTISING SIGN SYSTEM
Richard H. Seaman, Los Angeles, Calif., assignor to Mega Corporation, Los Angeles, Calif., a corporation of California
Application July 2, 1947, Serial No. 758,659
7 Claims. (Cl. 315—255)



1. An electronic animated sign comprising a multiplicity of preformed gaseous discharge tubes arranged in coacting relation, each including a composite anode and hot cathode electrode

of the filamentary heated cathode type in each end thereof and a multiplicity of intermediate spacially disposed anodes therebetween, a source of alternating current, means for individually energizing certain of said cathode electrodes from said source, means for energizing others of said cathode electrodes in common from said source, means for progressively exciting said electrodes and anodes in cyclic order and means associated with the aforesaid means for establishing an external shunt path around certain of said electrodes for maintaining a mobile dark space intermediate the illuminated portions of said tubes in cyclic progression and means for shielding the visual effects of said hot cathode electrode from said discharge.

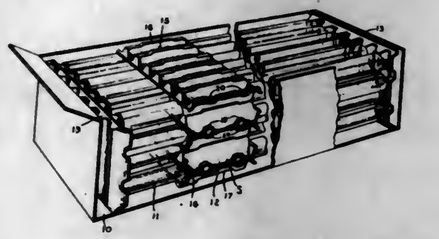
2,568,768
RADIO DIRECTION FINDING SYSTEM
Jacques Seiz, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application August 6, 1947, Serial No. 766,775
In France December 29, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 29, 1965
6 Claims. (Cl. 343—118)



1. A radio direction finder comprising a directive antenna system, means for effectively varying the directivity of said antenna system at a given frequency and deriving from an incoming radio wave a signal varying in amplitude as to undergo phase reversals in dependence on the direction of said wave and the frequency of said system, means for deriving impulses corresponding to the instants of phase reversal of said signal, a source of two-phase reference waves at said given frequency, means for separately amplitude modulating each of said impulses with a respective one of said reference waves, a cathode ray tube indicator comprising separate deflection elements, means for applying said modulated impulses to separate ones of said elements to produce an indication of the direction of said wave.

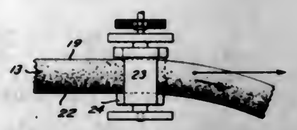
2,568,769
MATERIAL FOR PACKING TUBES AND THE LIKE
Ernest L. Shepard, Fairfield, Maine, assignor, by mesne assignments, to The Canal National Bank of Portland and William B. Nulty, both of Portland, Maine, as trustees
Application June 11, 1945, Serial No. 598,816
4 Claims. (Cl. 206—65)

1. A package comprising a shipping case to contain a plurality of elongated, fragile articles, a plurality of separator units for support of said articles in superimposed layers within the case and a plurality of cushioning units for spacing the ends of the articles from the end walls of the shipping case, each unit consisting of a sheet having on each face a plurality of spaced hollow formations extending respectively upwardly and downwardly from the plane of the sheet and constituting crests and valleys providing troughs extending longitudinally of the sheet on each face thereof, the downward formations being located in the spaces separating the upward formations, and the upward and downward formations of one sheet bearing against the downward and upward formations respectively of the sheets next above



and below to form on the respective faces of said sheet spaced parallel rows of open-ended half pockets which register with the half pockets on the adjacent spaces of the sheets next above and below to define superimposed layers of complete pockets in which the articles are gripped, the walls of said pockets being solid and unbroken so as to afford continuous protection for the elongated, fragile articles placed lengthwise therein, the cushioning sheets at the ends of the layers of articles being arranged at right angles to the articles.

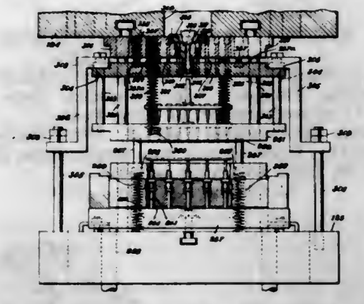
2,568,770
METHOD OF MAKING LEATHER STRAPS
Philip J. Shivell, Kingsport, Tenn.
Application November 30, 1948, Serial No. 62,723
6 Claims. (Cl. 69—21)



1. Method of making a leather strip which includes the steps of cutting hide leather material from the region of the back, upper belly and hind quarters along lines substantially parallel to the central longitudinal axial line of the backbone region of the hide to form a leather strip, applying pressure and tension simultaneously thereto in a direction to stretch that portion of said strip which was more remote from said longitudinal axial line of the hide more than the less remote portion.

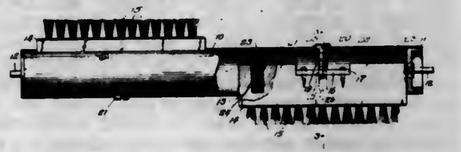
2,568,771
BANK STRIP MOLDING MACHINE
William Francis Smith, Brooklyn, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application February 26, 1947, Serial No. 730,969
20 Claims. (Cl. 18—30)

3. Apparatus for making bank strips by molding insulating material on wires fed thereto, comprising a lower mold, means for feeding wires to said lower mold, means for feeding bank strips away from said lower mold, an upper mold suspended from above having at its lower face a mold cavity and at its upper face channels connected to the upper ends of tapered passages whose reduced lower ends communicate with the mold cavity, a stripper plate suspended from above shaped to close said channels and having a central passage, a fixed backing member above said stripper plate, means for moving said lower mold and said backing member toward each other to close the two molds and the stripper plate for



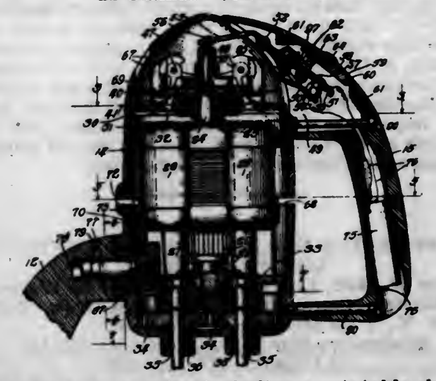
molding and from each other for removal of bank strips from the molds, means for injecting plastic material through said central passage in the stripper plate in a downwardly flared stream, devices extending from the backing plate into the stripper plate and projecting from the lower face thereof when the stripper plate engages the backing plate so that the projecting parts are molded into the sprues and hold the stripper plate elevated, and means to break said connection when said molds are separated.

2,568,772
ADJUSTABLE BRUSH ASSEMBLY FOR VACUUM CLEANERS
Charles H. Sparklin and Frank S. Howard, Chicago, Ill., assignors to Birtman Electric Company, a corporation of Illinois
Application April 20, 1946, Serial No. 663,710
6 Claims. (Cl. 15—183)



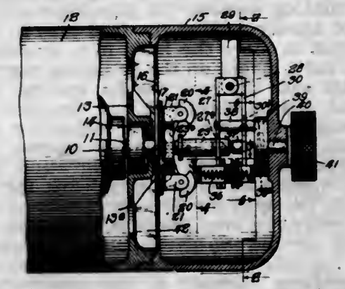
1. A rotatable brush assembly for a vacuum cleaner or the like comprising an elongated hollow tube, said tube having an elongated slot therein substantially parallel to the longitudinal axis of the tube, a brush element comprising a rigid back portion located in said slot and extending into the hollow interior of said tube, said brush having spaced bristles extending from said back portion, a threaded rod extending through an opening in the tube opposite the slot and engaging a threaded hole in the back portion at substantially the center thereof for securing the brush element in place, and compression springs adjacent each end of the back portion with each spring being held in a cavity in the back portion and operating against the interior surface of the tube opposite the slot, said springs urging the brush element outwardly against the restraint of said rod but permitting each end of said brush element to be forced slightly inwardly of said tube when pressure is applied thereto.

2,568,773
FOOD MIXER
Charles H. Sparklin and George C. Sporney, Chicago, Ill., assignors to Birtman Electric Company, a corporation of Illinois
Application December 20, 1946, Serial No. 717,478
11 Claims. (Cl. 200—80)



1. In an apparatus including a rotatable shaft, a rotatable member operated by the shaft, speed responsive means on the rotatable member, a movable member operated by the speed responsive means and movable relative to the rotatable member as the speed is changed, a casing for the apparatus, apparatus comprising: a handle spaced laterally from the casing and having an enlarged hollow connecting section at one end of the casing, a make-and-break switch located within the hollow section mounted for rotation about a fulcrum and including a pair of arms carrying cooperating contact points, a lever arm attached to one of the contact arms and extending beyond the fulcrum to a point adjacent the movable member, means for causing separation of the contact arms when the movable member moves the lever arm, means for changing the position of the contact arms about the fulcrum, and means normally urging the contact arms together.

2,568,774
SPEED GOVERNOR FOR MOTORS
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application December 16, 1947, Serial No. 792,084
9 Claims. (Cl. 318—325)



1. In a speed governor for a motor including a member movable with respect to a portion of the motor and means for moving the member with the distance of movement being dependent upon the speed of the motor: a pair of normally contacting but separable contact points movable with respect to a portion of the motor, a second

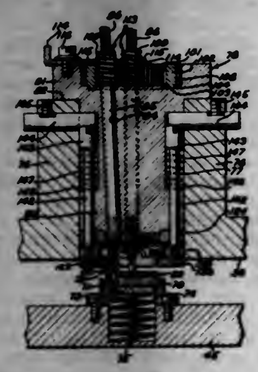
pair of normally contacting but separable contact points similarly movable with respect to the motor, means operatively connecting the movable member with one point of each pair of points to cause separation of the pairs of points when the motor speed exceeds a predetermined maximum that is dependent upon the location of the pairs of points, means independently resisting separation of one pair of points, second means of stronger resistance independently resisting separation of the other pair of points, said other pair of points being arranged in the electrical circuit of the motor in series with the field thereof, and an impedance in series with said other pair of points and with said field, said one pair of points being connected across said impedance.

2,568,775

APPARATUS FOR FEEDING AND CUTTING COILED MATERIAL

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 8, 1946, Serial No. 682,112
19 Claims. (Cl. 164—48)



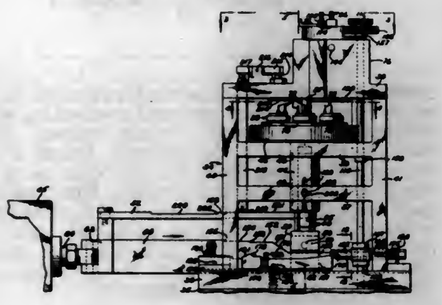
1. In a forming and assembling apparatus, a movable feed tube for frictionally supporting a supply of material in the form of a helix, a pair of cooperating relatively movable cutting members in the path of movement of the helix and normally spaced apart to receive a loop of the helix therebetween, a reciprocable actuating member, reversible driving means including a reciprocable rack bar operatively associated with the actuating member for simultaneously rotating and axially moving the feed tube in opposite directions to move the helix in a predetermined helical path, means on the actuating member engageable with the rack bar for moving the rack bar and driving means in one direction, means for disconnecting the driving connection between the rack bar and the actuating member to limit the movement thereof in one direction, latching means engageable with the rack bar for holding the rack bar and the driving means at the end of movement in one direction, means for urging the rack bar and the driving means for movement in the opposite direction, means associated with the actuating member to disconnect the latch member from the rack bar in a predetermined position of the actuating member during its movement in one direction, whereupon the rack bar and the driving means are rapidly moved in reverse direction, a vertically movable member for supporting an article thereon in vertical alignment with the helix and for actuating one of the cutting members, and cam surfaces on the actuating member cooperating with the vertically movable article supporting member to raise and lower the member to various levels and move the article into proximity to the helix whereby, as the article supporting member is raised, one of the cutting members is actuated to grip the helix against the other cutting member while the feed tube is reversely moved and then further actuated to sever a portion of the helix.

2,568,776

APPARATUS FOR FORMING AND ASSEMBLING PARTS

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application July 8, 1946, Serial No. 682,112. Divided and this application December 30, 1949, Serial No. 136,024
10 Claims. (Cl. 29—33)



5. In an apparatus for assembling an annulus onto a tubular portion of an article, the combination of a table having a seat for supporting said article with the tubular portion disposed in a vertical position, means mounting said table for rotation about a vertical axis and for vertical reciprocation, actuating means for reciprocating said table to and from a lower position and an upper position and for indexing said table to move an article carried thereby successively through a plurality of stations and to vertically reciprocate said article at said stations, means at one of said stations operable in response to the actuation of said table to cause an annulus to be deposited onto said article and about the tubular portion as the table is moved to its upper position, and a stationary tool mounted at another station operable to engage said tubular portion and flare the end thereof as the table is moved to its upper position to cause the retention of said annulus on the tubular portion of said article.

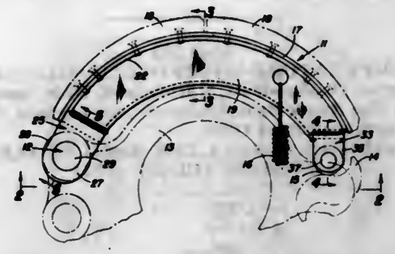
2,568,777

BRAKE SHOE

Ralph K. Super, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application October 13, 1947, Serial No. 779,547
3 Claims. (Cl. 188—250)

1. A brake shoe comprising an arcuate platform provided with a friction lining attachment surface, a reenforcing metal channel member having laterally extending flanges secured along the surface of said platform opposite said lining attachment surface, said flanges effectively thickening the platform and increasing its resistance to deformation in service, an anchor pin pivot mount for said shoe secured permanently to one end of said shoe comprising a yoke of metal of much heavier gauge than said channel member bridged across the adjacent open end of said channel member and welded thereto and having spaced apertured pivot legs projecting from the end of the shoe, and a cam follower roller mount secured permanently to the other end of said shoe



comprising a yoke of metal of much heavier gauge than said channel member bridged across the adjacent open end of said channel member and welded thereto and having spaced apertured roller pivot legs projecting from said other end of the shoe, said legs all being substantially parallel to each other and the side walls of said channel member.

2,568,778

TERTIARY-AMINOALKYL-ALPHA-ARYL-ALPHA-(4-QUINOLYL)ACETATES AND AMIDES AND THEIR PREPARATION

Alexander R. Surrey, Albany County, and Royal A. Cutler, Rensselaer County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application May 28, 1948, Serial No. 29,937
20 Claims. (Cl. 260—287)

6. A process for preparing a basic compound of the formula

QCH(A)COYXB

where Q is a 4-quinolyl radical, A is an aryl radical of the benzene series, Y is a member of the group consisting of O, NH, and N-(lower alkyl), X is a lower alkylene radical, and B is a lower aliphatic tertiary-amino radical, which comprises reacting a lower alkyl ester of the formula

QCH(A)COO-(lower alkyl)

with a basic compound of the formula BXYH, where Q, A, B, X and Y have the meanings given hereinabove.

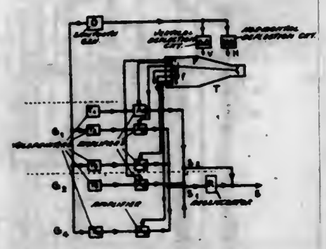
2,568,779

MULTIPLEX SYSTEM FOR TELEGRAPHIC AND RADIOTELEGRAPHIC TRANSMISSION WITH DECAMETRIC WAVES

Henri Maurice Veaux, Saint-Leu-la-Foret, France

Application August 13, 1948, Serial No. 44,195
In France August 14, 1947
4 Claims. (Cl. 250—9)

1. A time multiplex telegraph system comprising a plurality of grouped telegraphic transmitters adapted to transmit "make" and "break" signals in different channels, one channel for each group, a transmission medium common to all of said transmitters having at least two paths of different lengths, means for cyclically scanning said channels, means for recording the output of said channels during a time interval equal to the time required by said scanning means to scan the said channels, means to group together the "make" or "break" signals from said channels, thereby to form trains of grouped signals, the duration of each train being shorter than the difference in the duration of times of travel of said signals over the two shortest paths of said transmission medium, means for separating said grouped signal trains by a time interval equal to the time of travel of reverberated signals through said transmission medium, means



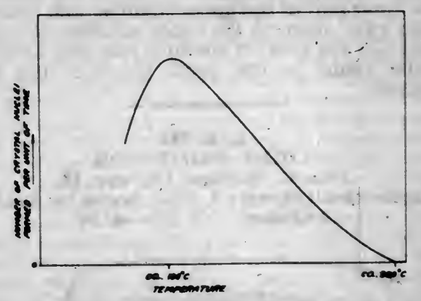
coupled to said transmission medium for receiving said signal trains, said receiving means comprising means for cyclically separating said received signal trains, a plurality of means for regenerating said separated received signals, and a plurality of means for translating said regenerated signals, said separating means adjusted to operate only during the time interval equal to the time of travel of reverberated signals through said transmission medium.

2,568,780

RECTIFIER MANUFACTURING PROCESS AND PRODUCTS OBTAINED THEREBY

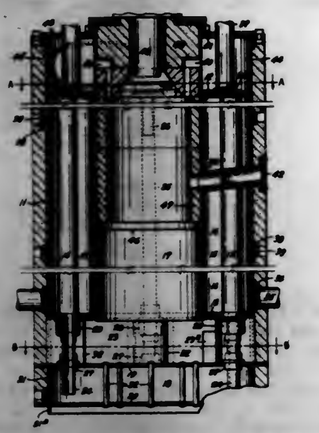
Arthur von Hippel, Weston, and Mortimer C. Bloom, Newton Highlands, Mass., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application March 1, 1947, Serial No. 731,834
10 Claims. (Cl. 204—56)



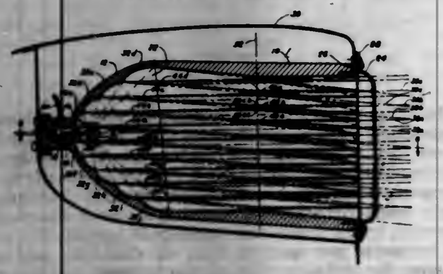
10. The process that comprises electrolytically depositing gray crystalline metallic selenium upon an electrical conductor as the cathode during the electrolysis of a highly concentrated aqueous solution of selenium dioxide having a high concentration of sulphuric acid dissolved therein, using a current density of approximately 10 amperes per square foot of cathode surface during the initial period of electrolysis and thereafter increasing the current density to cause discharge of gray crystalline metallic selenium at the desired rate without evolution of hydrogen at the cathode, at least the initial period of said electrolysis being conducted at a temperature in the range of about 75° C. to about 125° C.

2,568,781
VERTICAL BOILER
Albert E. Watts, Montreal, Quebec, Canada; Anna Carolina Anderson Watts and Montreal Trust Company, executors of said Albert E. Watts, deceased, assignors to Anna May Watts Sergent
Application March 11, 1948, Serial No. 14,379
4 Claims. (Cl. 122—182)



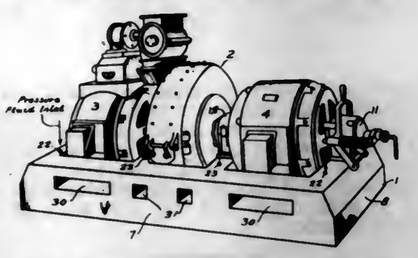
4. A hot water heater comprising upper and lower water chambers; water take-off and water return conduits connected to the top and bottom, respectively, of the upper chamber; water conduits leading from the bottom of the upper chamber adjacent the return conduits to near the bottom of the lower chamber, whereby the return water is divided and caused to flow partly upwardly in the upper chamber and partly downwardly into the lower part of the lower chamber; and water conduits leading upwardly from the top of the lower chamber to nearly the top of the upper chamber, whereby water heated in the lower chamber is isolated from cooler water in the lower part of the upper chamber and is united with water rising in the upper chamber at a point adjacent the take-off conduits and only after the water rising in the upper chamber has been heated.

2,568,782
LIGHT PROJECTOR
John G. Whiting, Chicago, Ill.
Application February 1, 1947, Serial No. 725,942
14 Claims. (Cl. 240—41.36)



1. A light projector comprising a generally conical reflector, said reflector having a plurality of reflecting areas extending transversely across the reflector, each area being concavely curved to reflect a band of cross rayed light from a light source, and a plurality of shields disposed between said bands, said shields having curved surfaces extended longitudinally of the reflector axis and said shields having portions of greater thickness and portions of lesser thickness at predetermined longitudinally spaced points, the greater thickness portions of the shields defining curved lines extending transversely of the shields.

2,568,783
TEMPERATURE CONTROLLED MILL BASE
Maurice D. Woodruff, Springfield, Ohio, assignor to The Bauer Bros. Company, Springfield, Ohio, a corporation of Ohio
Application March 4, 1948, Serial No. 13,012
6 Claims. (Cl. 241—285)

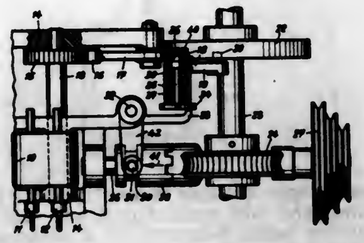


2. In a double disc type mill having a centrally disposed milling chamber and a pair of motors on opposite sides thereof, a mounting base therefor characterized by means for maintaining the base at a substantially even temperature throughout the area thereof, including a hollow bottom portion, a series of baffles therein dividing the bottom into individual compartments, a series of hollow supports extending upwardly therefrom upon which the motors are supported by means of the rotor shaft bearings, a centrally disposed chamber in the base, open at its bottom within which the milling chamber is located intermediate the drive motors, a series of longitudinally extending marginally disposed conduits interconnecting the upstanding bearing supports and forming a partial enclosure about the drive motors and the milling chamber, air circulating means in said conduits through which atmospheric air is introduced for intimate contact with the driving motors and the milling chamber, and means for introducing and uniformly circulating fluid through the several compartments of the bottom portion, the upstanding supports and the marginally disposed conduits, the construction and arrangement being such that the combined effect of the air and fluid circulation in surrounding relation with the milling chamber and the drive motors substantially eliminates the formation of localized areas of excessive operation generated heat.

2,568,784
REACTION PRODUCTS OF OLEFIN OXIDES AND P_2O_5 OR P_2S_5 AND THE METHOD OF FORMING THE SAME
Willard H. Woodstock, Lincolnshire, Crete, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application July 18, 1950, Serial No. 174,574
14 Claims. (Cl. 260—2)

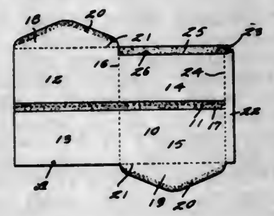
13. A resilient solid composition consisting of the polymer of the reaction product of 5 moles of ethylene oxide with each mole of phosphoric anhydride.

2,568,785
ROCKING TYPE OF DRILLING AND TAPPING APPLIANCE FOR AUTOMATIC LATHES
André Bechler, Moutier, Switzerland
In Switzerland June 17, 1946
Application September 23, 1946, Serial No. 698,813
4 Claims. (Cl. 29—56)



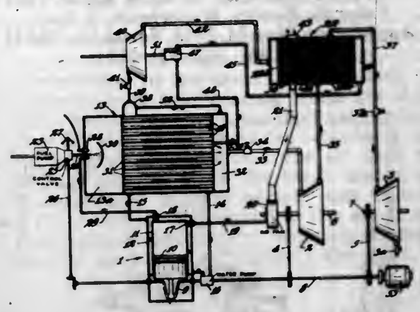
1. A drilling and tapping appliance for automatic lathes, comprising, in combination, an oscillating tool holder; a gear wheel connected with said holder coaxially with its oscillation axis; a cam; means for rotating said cam; lever means comprising a first part having a toothed segment in mesh with said gear wheel, a cam follower part engaging said cam and being pivoted to said first part, and yieldable clutch means for yieldingly holding both parts in a pre-determined relative position; clutch means interposed in said means for rotating said cam for interrupting rotation of said cam upon disengagement of said last mentioned clutch means; and engaging and disengaging means connected with said last mentioned clutch means and with said yieldable clutch means for actuation thereby.

2,568,786
ENVELOPE
Marion L. Boling, Seattle, Wash., assignor to Ona Joyce Boling, Seattle, Wash.
Application January 31, 1949, Serial No. 73,699
1 Claim. (Cl. 229—73)



An envelope of the kind described, comprising: a longitudinally and transversely folded sheet of material having a sealing wing joining its opposite ends effecting a body with walled areas creating double pockets of equal proportions, each of said pockets being normally open at its outermost end, an adhesive following the longitudinal fold line of the body for closing the innermost ends of said pockets and allowing reverse folding of said body at said longitudinal line to bring the said pockets into reverse side-by-side positions with respect to each other, a closing wing formed from one wall area of one pocket for sealing the latter closed independently of the other pocket at the outermost open end, and closing flaps on the body at the outermost open ends of the pockets alternately usable in sealing the body when reversely folded to bring the said pockets in fixed side-by-side relation to each other.

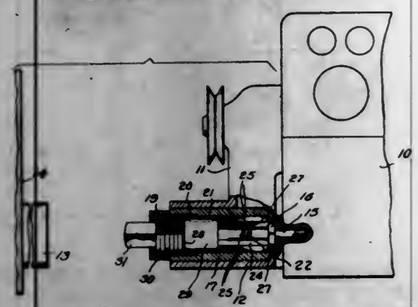
2,568,787
STEAM POWER PLANT USING EXHAUST FROM AUXILIARY GAS TURBINE FOR CONDENSING STEAM
Herbert Alvin Bosch, Lake Elizabeth Township, Kandiyohi County, Minn.
Application March 30, 1944, Serial No. 528,756
2 Claims. (Cl. 60—39.17)



1. An apparatus of the character described including a combustion chamber having fuel and air inlets, means for delivering fuel and air under pressure to said inlets and burning said fuel under pressure in said combustion chamber, a steam chamber having an inlet for liquid to be vaporized and a steam outlet, said chamber being in heat exchange relationship with said combustion chamber and having conduits therethrough in communication with the combustion chamber for the passage of the products of combustion so that they give off heat to produce steam, a header communicating with the conduits for receiving the products of combustion, said header having an outlet for said products, a power unit connected with the steam outlet of the steam chamber for operation by the steam and in which the steam is expanded, a second power unit connected with the outlet of the header for operation by the products of combustion and in which the products are expanded, a heat exchanger including a first section having an air inlet and an air outlet, means affording communication between said outlet and the air inlet of the combustion chamber, a separate, closed heat exchanger section having an inlet and an outlet, through which the partially cooled products of combustion pass, said last mentioned inlet being in communication with said second power unit, conduits passing through both sections of said heat exchanger, inlet and outlet headers in communication with the respective ends of said last mentioned conduits, a conduit extending between said first mentioned power unit and said inlet header for the passage of steam, the steam passing through the conduits in the heat exchanger into the outlet header in successive heat exchange relation with the air flowing through the first section of the heat exchanger and the partially cooled products of combustion flowing through the second section of the heat exchanger so as to preheat the air utilized for combustion, reheat the partially cooled products of combustion and condense the steam to liquid, a conduit extending between and in communication with the outlet header of the heat exchanger and the steam chamber to return the condensed steam and a third power unit connected with the outlet of the second section of the heat exchanger for operation by the reheated products of combustion, said products of combustion being expanded to below atmospheric temperature, said combustion chamber and said conduits being constructed to produce a pressure

in said conduit above 600 p. s. i. and said conduits having enough heat transfer surface to produce a low enough temperature in said header to permit said expansion to below atmospheric temperature.

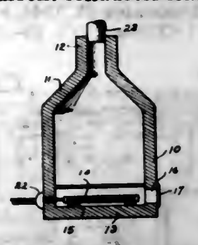
2,568,788
WATER PUMP CAP-SCREW REMOVER
Peter H. Bossen, Watertown, S. Dak.
Application May 21, 1948, Serial No. 28,341
1 Claim. (Cl. 81—114)



A water pump cap-screw remover comprising a tube-like body to be positioned in a right angularly extending outlet of a water pump, said body having open ends, the body having an inwardly tapering portion at its inner end to define a restricted opening at its inner end for fitting over the head of a water pump anchoring cap-screw, a spring collet slidably fitted in said body for gripping the head of the cap-screw, said tapering portion engaging and forcing the collet into gripping engagement with the head of the cap-screw, an adjusting plug threaded into said body and frictionally engaging the collet for moving the collet longitudinally of the body and into a cap-screw engaging position, said collet being cylindrical exteriorly, so as to freely rotate with said plug within said body, said collet being hexagonal interiorly and having a plurality of spring jaws having tapering ends contacting said inwardly tapering portion of the body which forces the jaws into gripping engagement with the head of the cap-screw as said plug and collet are moved longitudinally of said body, the ends of said spring jaws also having outwardly beveled inner faces at their extremities to facilitate the placing of the ends of said jaws over the head of a corroded cap-screw and defining a plurality of chisel-like cap-screw gripping elements which will cut away corrosion from around the head of the cap-screw as the plug is rotated until the collet firmly grips the head of the cap-screw, a wrench-engaging portion carried by the outer end of said body, a wrench-engaging portion carried by the outer end of said adjusting plug, and said plug having a left-hand thread formed on a portion of the plug engaging the body so as to feed the plug inwardly of the body when the plug is rotated in a counter-clockwise direction.

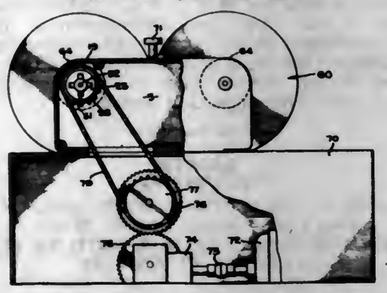
2,568,789
GENERATOR FOR ABSORPTION REFRIGERATORS
Harley Lee Coggburn, Big Bear Lake, Calif.
Application November 18, 1946, Serial No. 710,531
1 Claim. (Cl. 62—119.5)

In a refrigeration system of the absorption type, a generator in the circulatory system thereof said generator comprising a liquid tight housing of refractory material, the housing having a top outlet, a chamber in the bottom of the housing, the chamber having an opening leading thereinto from outside the generator housing, an electric resistance heating unit insertable into and sealed in the chamber through said opening, an electric current conductor leading into the



chamber upon the side thereof opposite from the opening, the said heating unit and said current conductor being connected by a detachable clip and the latter extending through the wall of the said housing.

2,568,790
FILM REEL DRIVE AND HOLDBACK MECHANISM
Milford E. Collins, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application June 2, 1945, Serial No. 597,277
3 Claims. (Cl. 242—55)

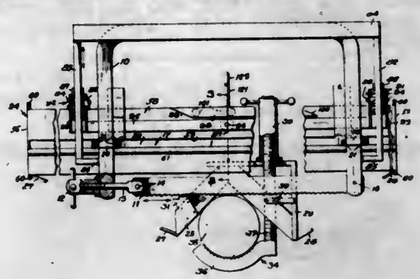


1. An attachment for a motion picture apparatus comprising a casing, film drive and driven shafts extending across said casing and projecting therefrom, a driven gear connected by a slip clutch to the drive shaft, a slack takeup brake associated with the driven shaft, and a disk mounted exteriorly of the casing on the projecting end of each of said shafts for engaging the takeup and supply reels, respectively, of a film magazine, the driven shaft being driven by said film.

2,568,791
PORTABLE POWER-DRIVEN HACK SAW
Corbet Cooper, Beaver Dam, Ky.
Application June 10, 1946, Serial No. 675,723
4 Claims. (Cl. 29—73)

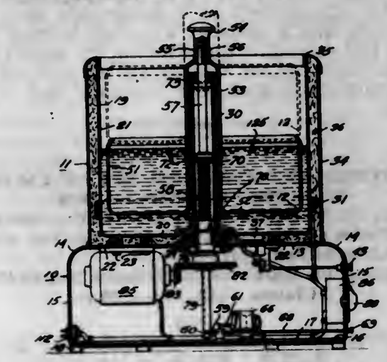
1. In a cutting tool of the character disclosed, in combination with a hack saw, a stationary structure, a saw carrier connected to the stationary structure, said saw being slidably connected to the saw carrier for movement toward and away from a work piece to be cut thereby, said saw carrier being slidably supported on the stationary structure for reciprocating movement with the saw transversely of the work piece, a rack secured to the hack saw, a spring actuated pinion journalled in the saw carrier and meshing with the rack for yieldably urging the saw into cutting

relation with the work piece, means mounted on the stationary structure for imparting reciprocatory movement to the saw carrier, and cam means including a roller, a rack engaging the pinion and slidably connected to the saw carrier on which the roller is journalled and supported to engage a horizontally disposed cam element fixed to the stationary support for raising the saw from the



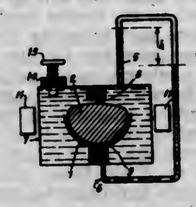
work piece during the back stroke of the saw, said last mentioned rack being displaced downwardly by gravity to engage under the cam element to turn the pinion to elevate the hack saw and being displaced upwardly by the spring acting on the pinion to engage over the cam element to permit the spring to urge the saw downwardly toward the work piece.

2,568,792
APPARATUS FOR COOKING FOODS
Charles E. Cripps, Culver City, Calif.
Application April 15, 1946, Serial No. 662,298
13 Claims. (Cl. 99—335)



1. An improved cooking apparatus for deep fat frying and the like comprising, a hollow base, a deep fat receptacle supported thereon, a foraminous food receptacle in the deep fat receptacle, an electric heating element for heating deep fat placed in the deep fat receptacle, said deep fat receptacle having a central opening in its bottom and a tube extending upwardly therefrom in fluid tight relation therewith to a height substantially to the top of the deep fat receptacle, said food receptacle also having a central opening therethrough with a tube extending upwardly therefrom and of a length to permit it to extend over the tube of the deep fat receptacle so that the food receptacle may be positioned in the lower portion of the deep fat receptacle, a rotatable shaft concentrically mounted in the tube of the deep fat receptacle upon which the upper portion of the tube of the food receptacle is removably secured so as to be rotated by said shaft, a motor in said base operable to rotate said shaft, said shaft being longitudinally movable in its mountings in the tube of the deep fat receptacle, a spring operating on said shaft tending to raise it to elevate the food receptacle to its upper position, a latch cooperating with the lower end of said shaft to retain it in its lower position, a bearing for said shaft carried by the upper portion of said tube of the deep fat receptacle, said bearing provided with a small vent port therethru to permit slow passage of air therethru, a piston carried by said shaft in engagement with the inner wall of said tube of the deep fat receptacle, located remote from said bearing when the shaft is in a lowered position with the food receptacle in the lower portion of the deep fat receptacle and constructed and arranged to force air thru the port of said bearing when the shaft moves upwardly responsive to said spring, and thereby retard rapid upward movement of the shaft and food receptacle, and means for releasing the latch and starting the motor for rotating the shaft.

2,568,793
VISCOSITY MEASURING MEANS
Henry Martial du Boscq de Beaumont, Civray-sur-Cher Via Francueil, France, assignor of one-half to Etablissements Edgar Brandt, Paris (Seine), France
Application March 1, 1945, Serial No. 580,330
In France October 8, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 8, 1962
6 Claims. (Cl. 73—60)

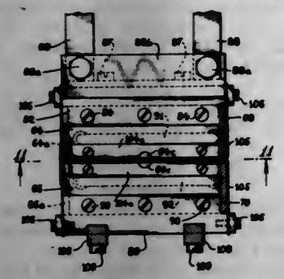


1. A viscosimeter comprising in combination: two members each having a continuous surface, at least one of said members having a surface of revolution about an axis; means for mounting at least one of said members adjacent to, and for rotation relative to, the other member, thereby forming an unobstructed space of substantially uniform thickness between the entire surfaces of said members and adapted to receive a body of liquid; means for imparting to said body of liquid an unobstructed turbulent periodic circulation throughout said entire space, said means comprising driving means for rotating one of said members at a substantially constant, liquid-entraining angular speed about said axis; pressure indicating means communicating with said liquid at at least one point of the peripheral surface of said liquid and perpendicularly to said peripheral surface, one said point being in said space, for measuring the pressure generated by said circulation of said liquid.

2,568,794
SEALING APPARATUS
Julian A. Dieter, Union, N. J., assignor to Bristol-Myers Company, New York, N. Y., a corporation of Delaware
Application August 1, 1947, Serial No. 765,331
6 Claims. (Cl. 219—6)

1. In apparatus for filling and sealing collapsible metallic tubes, of the type having a fill-

ing station, a sealing station, and means for holding said tubes vertically and for advancing successive pluralities of same to successive stations, sealing means located at said sealing station comprising a pair of opposed metallic jaws adapted to receive and press therebetween the open ends of a plurality of said tubes, means adapted to open and shut said jaws, a source of high frequency electric current connected to one end of said pair of jaws at least when they are closed, a conductor interconnecting said jaws at their other end at least when they are closed, thereby forming a current loop around said tubes, and timing and switching means for causing current to flow from said source around said loop for



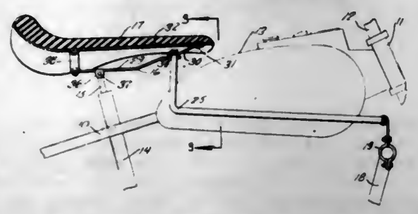
a short interval when said jaws are closed, the opposed faces of said jaws having opposed, generally planular, active surfaces in the region where said jaws actually press said tubes, for mechanically flattening said tubes, but the face of each of said jaws being hollowed out to form a vertical channel between its active surfaces opposite the space between said tubes to direct the current slightly away from the vicinity of said tubes in the region of their mutually adjacent corners, which might otherwise become overheated, the width of said vertical channel, as viewed in horizontal section, being less than that of any one of said active surfaces, said jaws being provided with dielectric strips on their faces adapted to prevent a short-circuit through the tubes.

2,568,795
ALARM WATCH
Robert Ditisheim, La Chaux-de-Fonds, Switzerland, assignor to Ditisheim & Cie, Fabriques Vulcain et Volta, La Chaux-de-Fonds, Switzerland, a corporation of Switzerland
Application July 6, 1949, Serial No. 103,305
In Switzerland July 17, 1948
12 Claims. (Cl. 58—21.15)



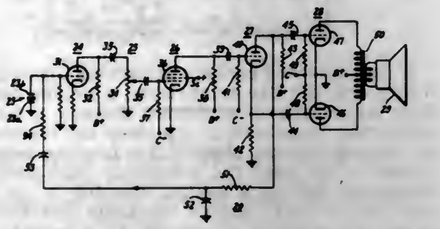
1. In an alarm mechanism for a timepiece, a pivoted movable member adapted to operate an alarm sounding means, means for imparting an oscillatory movement to said movable member, a locking member, means for moving said locking member into or out of contact with said movable member at a point within the path of its trajectory to confine the movement of said movable member, said locking member in locked position having a face providing positive locking means against movement of said movable member in one preselected direction but having means on its opposite face permitting said movable member to pass unhindered in the opposite preselected direction.

2,568,796
MOTORCYCLE SEAT SUPPORT
Austin M. Dunlap, Olanta, Pa.
Application August 9, 1949, Serial No. 109,267
3 Claims. (Cl. 155—5.2)



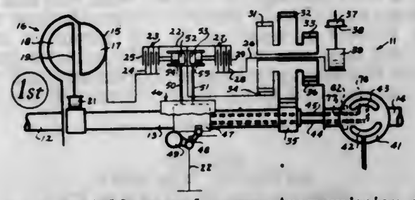
1. A motorcycle seat support comprising a U-shaped lever having a pair of legs outwardly curved to pass around a motorcycle gas tank and having at one end a bight arched to extend over the rear portion of the gas tank, brackets pivotally connected to said lever legs respectively at the open end of said lever for attaching said lever to a motorcycle frame near the front end of the latter, a strap attached to said lever bight and extending therefrom in a direction opposite said legs for attachment to a motorcycle seat post and seat, and a member attached to said lever bight and extending therefrom in the same direction as said legs for attachment at its front end to a motorcycle seat near the front end of the latter.

2,568,797
MICROPHONIC SUPPRESSION SYSTEM FOR ELECTRIC PHONOGRAPHS
Robert C. A. Eland, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 19, 1949, Serial No. 82,410
3 Claims. (Cl. 179—100.4)



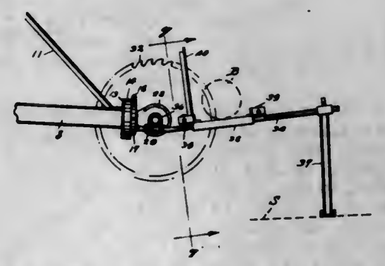
1. The combination comprising: a phonograph record player including a piezoelectric crystal pickup, an amplifier, a loudspeaker, common support means for all of the preceding elements, means connecting the output terminals of said pickup to the input terminals of said amplifier, means connecting the output terminals of said amplifier to the input terminals of said loudspeaker, means including said amplifier for developing a voltage which is substantially in phase opposition to the voltage developed by said crystal pickup, and means for applying said voltage to the output terminals of said pickup, the last-named means including a low-pass filter having a frequency response characteristic approximating the sound transmission characteristic of said common support means.

2,568,798
AUTOMATIC TRANSMISSION
Eugene J. Farkas and Joseph W. Rackle, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application October 27, 1945, Serial No. 625,029
10 Claims. (Cl. 74—472)



1. In a variable speed power transmission for a vehicle engine having an accelerator, in combination, a housing, a power shaft, a load shaft, gearing interposed between said power shaft and said load shaft and arranged for selective operation to transmit torque from said power shaft to said load shaft at a plurality of different speed ratios, fluid pressure means arranged to effect said selective operation and automatically operable under predetermined conditions to change from one speed ratio to another, conduits leading to said fluid pressure means, a pump having fluid outlets supplying fluid under pressure to said conduits, a valve having a reciprocable plunger provided with a passage normally establishing communication between one of said pump outlets and one of said conduits, accelerator controlled means for reciprocating said valve plunger and effective upon a predetermined movement thereof to interrupt the flow of fluid from said last-mentioned pump outlet to effect a change from one speed ratio to a lower speed ratio, said valve plunger also having an exhaust passage axially spaced from said first-mentioned passage and adapted upon further movement of the plunger to communicate with said last-mentioned pump outlet to exhaust the pressure side of said pump and to effect a change from said lower speed ratio to a still lower speed ratio.

2,568,799
SAW TABLE ATTACHMENT FOR SWIVEL SAWS
Byron A. Fuller, Neligh, Nebr.
Application November 7, 1947, Serial No. 784,713
1 Claim. (Cl. 143—47)



A saw table attachment for a swinging saw, said saw including a boom, a saw mandrel thereon, a circular saw blade on the mandrel, and gripping handles rigid with the mandrel and having wide spaced, straight, parallel end portions, comprising: a support including spaced-apart vertical legs, a horizontal base on the lower ends thereof, and means for detachably securing the respective legs to the respective handles at the upper ends of the legs, said handles when secured to the legs being inclined slightly downwardly toward the saw blade; and a saw carriage including a log supporting table portion extending between the respective handles, wheels at opposite sides of the saw carriage rolling on the handles, said handles constituting tracks for the wheels, and a saw guard of inverted U-shape rigid with one side of the carriage and proportioned to straddle the saw blade on rolling of the carriage down the inclined handles.

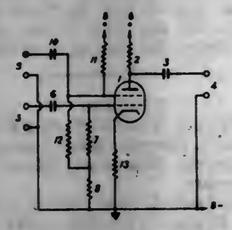
2,568,800
VEHICLE WINDOW SCREEN
Stephen J. Galla, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 5, 1946, Serial No. 659,793
1 Claim. (Cl. 160—105)



In a window screen for insertion in a window opening of a vehicle body in which a window glass is slideably mounted in glass runs carried by the vehicle body adjacent the periphery of the window opening, a continuous one piece plastic frame, the top and sides of the frame having a thickness suitable for sliding engagement with said glass runs, the width of said plastic frame being greater than the width of the window opening but the height of the plastic frame being less than the height of the window opening, the top and bottom portions of said plastic frame being resilient and bendable for insertion into the glass runs at the sides of the window opening, the bottom portion of said plastic frame having a thickness substantially greater than the thickness of the top and sides of the frame and having a groove formed in its lower surface snugly fitting over the upper edge of the window glass whereby the window glass supports the window screen against lateral movement, the top and sides of the plastic frame having inwardly opening slots extending only partially through the frame and the bottom portion of the frame having a slot extending completely therethrough for receiving the screen material through the slot in the bottom of the frame and into the slots in the top and sides of the frame, and a pair of metallic clips mounted upon opposite sides of said plastic frame adjacent the bottom thereof, each of said clips having a U-shaped attaching portion secured to the side of the frame, a U-shaped operating portion spaced from said U-shaped attaching portion and slideably embracing the side of the plastic frame, and a resilient connectiong portion extending between said U-shaped attaching portion and said U-shaped operating portion and yieldably engaging the bottom of the adjacent glass run to support the window screen in the opening against displacement when the window glass is opened an additional amount, and out-

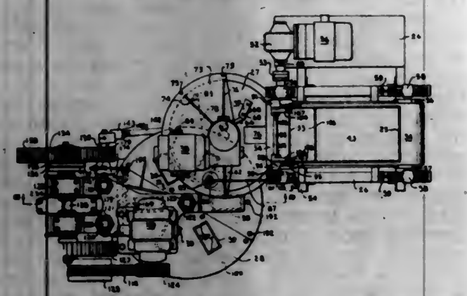
wardly extending tabs formed upon the U-shaped operating portion of each clip for manual operation to release the clips from engagement with the glass run.

2,568,801
POLARITY REVERSER
George E. G. Graham, Streatham, London, England, assignor to Cinema-Television Limited, London, England, a corporation of England
Application October 28, 1947, Serial No. 782,551
In Great Britain May 15, 1947
4 Claims. (Cl. 250—27)



1. Apparatus for controlling the polarity of electrical signals comprising a four element electron discharge device having a cathode, a signal grid, a screen grid and anode, means for applying direct potential to the screen grid and to the anode, means for applying the signals to the signal grid, means for applying control voltages to the screen grid for alternately reversing the direction of the current to the anode so that the polarity of the signals appearing at the anode is also reversed, a voltage divider circuit, means for applying the control voltages to the divider circuit, means for applying a portion of the control voltages from the divider circuit to the said signal grid, and means for taking the controlled electrical signals from the anode.

2,568,802
MACHINE FOR THE MANUFACTURE OF MOLDED BUILDING UNITS
Walter A. Grueneberg, Saginaw, Mich., assignor to Jackson & Church Company, Saginaw, Mich., a corporation of Michigan
Application July 9, 1947, Serial No. 759,726
5 Claims. (Cl. 25—72)



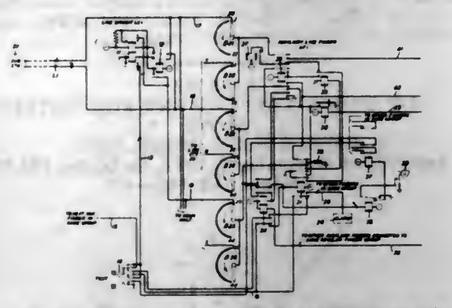
1. In a brick molding machine having a plurality of mold boxes within an intermittently rotatable table and being adapted for the continuous rapid production of bricks by selectively indexing said table with said mold boxes through a repeating work cycle comprising a mold box filling operation at a fill station, a molding mix compression operation at a compression station, and a stripper operation wherein the compressed mix is stripped from the machine, the combination of: a feed drum for molding mix at said fill station, means to fill said mold boxes with molding mix as said mold boxes index at said fill station and including a molding mix discharge opening in the bottom of said feed drum directly above said table and in alignment with the mold box indexed at said fill station, a primary mix supply hopper having an adjustable mix discharge gate opening therefrom into said feed drum, means within said feed drum to maintain a constant level and to insure a uniform pressure head of the mix therein during discharge of the mix therefrom into said mold boxes and including a float operatively coupled with said mix discharge gate of said hopper for opening and closing thereof in response to the falling or rising of said float and means to effect relative movement between the mix in said drum and said float to maintain the latter on the surface of the mix.

2,568,803
ETCHING MACHINE
William Guenst, Wyncote, Pa.
Application June 9, 1949, Serial No. 97,939
10 Claims. (Cl. 41—9)



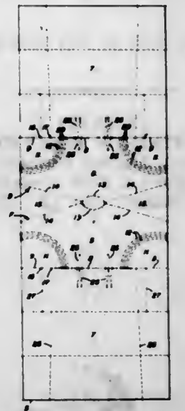
1. An etching pen comprising a tip for discharging etchant to the object to be etched, a tip for applying vacuum adjacent the tip for applying etchant and a holder for both tips.

2,568,804
AUTOMATIC TELEPHONE SYSTEM AUXILIARY LINE FINDER ARRANGEMENT
Oliver C. Hall, Fair Lawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1949, Serial No. 78,908
8 Claims. (Cl. 179—18)



1. In an automatic telephone system comprising a plurality of groups of lines and regular line finders and selectors, each group including a plurality of line finders each of which is individual to one of the selectors and each of which has direct access to the same lines, other groups of lines and auxiliary line finders, each auxiliary line finder connected to a set of line terminals in the banks of a group of said regular line finders, the auxiliary line finders of each group being individually connected to sets of terminals in the banks of the different groups of regular finders in succession whereby all of said selectors are common to all of said other groups of lines.

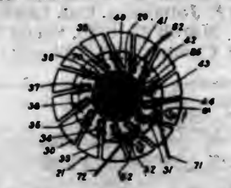
2,568,805
BASIC DRESS PATTERN SHEET
Rose M. Hare, Emsworth, Pa.
Application December 15, 1949, Serial No. 133,035
1 Claim. (Cl. 33—12)



A dress pattern sheet comprising a rectangular sheet having two substantially similar patterns respectively for the front and for the back of a dress marked thereon, each pattern including a bodice portion and a rectangular skirt portion adapted to be left integrally joined along the central portions of their contiguous lower and upper edges, respectively, each pattern having straight transverse cutting lines along which the remaining portions of the upper edge of the skirt portion are adapted to be severed from the remaining end portions of the lower edge of the bodice portion and from portions of the sheet at the sides of said bodice portion, each pattern further having a plurality of spaced bottom sleeve and side bodice seam lines for different sizes, and neck contour and shoulder and top sleeve seam lines for the bodice portion, the last named lines of the two patterns being adjacent and there being marks along the transverse cutting lines of each pattern serving as guides for forming pleats in the skirt portion, and lines serving as guides for forming darts in the adjacent edges of the skirt and bodice portions, each dress portion having longitudinal and transverse cutting lines for use in partially and wholly reducing the width of said portion and for use in dividing the same horizontally into equal sections.

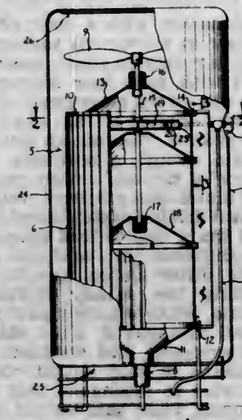
2,568,806
KNITTING MACHINE
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 10, 1946, Serial No. 682,619
10 Claims. (Cl. 66—9)

1. In a machine for knitting strand material about a core, a rotatable needle guide cylinder having non-radial guideways formed therein, reciprocable knitting needles positioned in said guideways with the hooks of the needles directed non-radially with respect to the guide cylinder, and means for feeding the strand of material to the hook of the needle, each of said hooks being positioned to face somewhat in the direction of rotation of the cylinder and adapted to engage the strand out of contact with the guide cylinder when the needles are reciprocated in



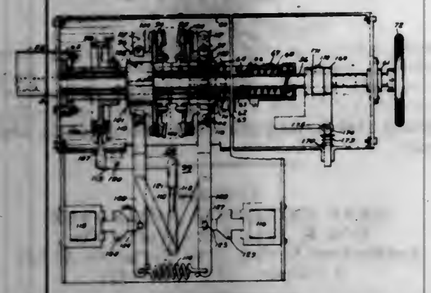
knitting the strand material into a fabric about a core.

2,568,807
HEAT EXCHANGE APPARATUS
John R. Jaye, Lake Worth, Fla.
Application April 2, 1948, Serial No. 18,548
3 Claims. (Cl. 257—137)



1. Heat exchange apparatus comprising: an upright substantially cylindrical chamber having a side wall formed of relatively thin metal pleated to define a plurality of narrow passages opening to the interior of the chamber with the exterior surfaces of said passages forming vertical fins; a drain leading from the bottom of the chamber; a top wall for the chamber; a bearing centrally mounted on said top wall; another bearing coaxial with said bearing and disposed inside the chamber; means supporting said other bearing from the pleated side wall of the chamber; a shaft journaled in said bearings and projecting above the bearing on the top wall; an air impeller fixed to the upper end of the shaft; a turbine fixed to the shaft at a point substantially directly beneath the top wall thereof, said turbine being adapted to discharge spent fluid therefrom directly into the interior of the chamber; a substantially conical deflector supported by the pleated side wall of the chamber and located under the turbine substantially adjacent thereto to deflect all fluid issuing therefrom radially outwardly into the narrow passages formed by the pleats in the side wall of the chamber to assure that all of the spent fluid will flow downwardly over said inner surfaces for substantially the full vertical height thereof; means for delivering fluid temperature modifying medium under pressure to said turbine to effect rotation of the turbine and said air impeller; and a casing open at its top and bottom ends surrounding said chamber and spaced therefrom whereby air circulated by said air impeller is drawn into the casing through the bottom end opening so as to be circulated upwardly over the exterior surfaces of the chamber for the entire vertical length thereof.

2,568,808
AUTOMATIC OVERHEAD DOOR
Karl E. Johanson, Oak Lawn, Ill.
Application March 22, 1946, Serial No. 656,494
6 Claims. (Cl. 268—59)

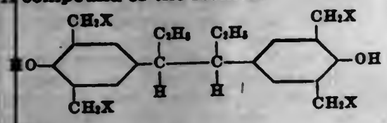


3. The combination with a door, of means for guiding the door in movement through a predetermined path, a rotatable shaft, means connecting said shaft with said door whereby rotation of said shaft will effect movement of said door, a brake normally applied to said shaft for securing said shaft against rotation, an electric circuit, a motor in said circuit, a normally disengaged clutch including a driving clutch member connected to said motor and a driven clutch member coaxial with said driving clutch member and connected to said shaft, one of said clutch members being axially shiftable into and out of engagement with the other clutch member, coacting levers connecting the axially shiftable clutch member and said brake whereby said clutch may be engaged and disengaged when said brake is respectively disengaged and engaged, and electromagnetic means in said circuit connected to actuate said levers to disengage said brake and engage said clutch when said circuit is closed.

2,568,809
TETRAHALOMETHYLHEXESTROLS AND DERIVATIVES THEREOF
Emil Kaiser, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 14, 1948, Serial No. 8,318
5 Claims. (Cl. 260—619)

1. A halomethyl derivative of hexestrol.

5. A compound of the formula



where X is a halogen radical.

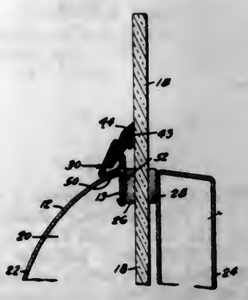
2,568,810
GOLF BAG
Michael Kish, Jr., Hightstown, N. J., assignor to Atlantic Products Corporation, Trenton, N. J., a corporation of New Jersey
Application December 4, 1950, Serial No. 199,062
4 Claims. (Cl. 150—1.5)

1. A golf bag comprising a central bag structure having flat sides and rounded ends, pocket material secured to said central bag structure at its rounded ends and having vertical creases therebetween forming pleats defining a series of tubular pockets extending vertically along one of said flat sides, and a frame secured at the ends of said central bag structure but spaced from said structure along said flat side and surrounding and enclosing the upper edges of said



tubular pockets, each of said pleats being secured to said frame.

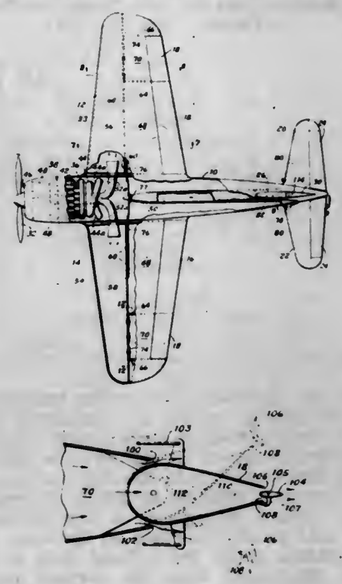
2,568,811
VEHICLE WINDOW WEATHER STRIP
Victor A. Larsen, Chicago, Ill.
Application April 4, 1950, Serial No. 153,840
5 Claims. (Cl. 20—69)



1. The combination with a vertically slidable window pane and a sill member for the same, said sill member having a depending flange adjacent said window frame, of a weatherstrip member adapted for connection to said sill member and having a wiper blade of compressible material resiliently held against the surface of said window pane, said weatherstrip member comprising a channel member formed from a flat elongated strip of metal, said member bent throughout its length to include a shoulder portion overlying the sill member, said shoulder portion having a downwardly depending edge fitting over the flange of said sill member, an arm portion extending diagonally upwardly from said shoulder portion and having a section folded back against itself and an upwardly turned lip portion, said wiper blade having a leg portion frictionally held in the space between said arm portion and said upwardly turned lip portion, and clip members for locking said channel member on said sill member, one of said clip members fastened on said channel member and having a vertical ledge and the other having a flat wall with hook portions at the top and bottom of the same, one hook portion adapted to engage under the lower edge of the flange of said sill member and the other over the upper edge of the ledge of said first mentioned clip member.

2,568,812
AIRCRAFT CONTROL MEANS
John G. Lee, Farmington, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application October 27, 1945, Serial No. 625,056
8 Claims. (Cl. 244—52)

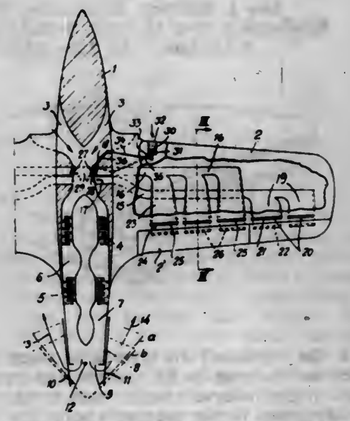
2. In an aircraft, a main airfoil having a duct therein, an auxiliary airfoil pivoted at the trailing edge of said main airfoil and having an interior duct communicating with the duct of said main airfoil, the duct of said auxiliary airfoil terminating in a rearwardly projecting jet directing orifice at its trailing edge, and means pivotally mounted at said second mentioned trailing edge and movable in response to movements of said auxiliary airfoil for deflecting said jet an amount proportional to and in response to pivotal movement of said auxiliary airfoil.



6. In an aircraft, a fuselage, wings having trailing edge control surfaces including ailerons and flaps, an empennage having horizontal and vertical fixed airfoil surfaces and movable control surfaces including elevators and a rudder pivotally mounted at the trailing edges of said fixed surfaces, a source of pressure fluid, ducts leading from said pressure source through said wings and fuselage to the several control surfaces on said wings and empennage and terminating in jet directing orifice means, means on said control surfaces for controlling said orifice means, main valve means operable to control the flow of pressure fluid to said orifice means, and auxiliary valve means in the ducts leading to said orifices associated with said ailerons connected in series with the main valve means for controlling the flow of fluid to said ailerons whenever said main valve means are open, said auxiliary valve means being connected to the pilot operated stick and being in a half-open position in the neutral position of the stick, whereby to effect differential operation of said auxiliary valves upon opposite lateral movements of the stick.

2,568,813
JET-PROPELLED AIRCRAFT WITH BOUNDARY LAYER CONTROL
Bo Klas Oskar Lundberg, Appelviken, Sweden, assignor to Svenska Turbinfabriks Aktiebolaget Ljungstrom, Finspong, Sweden, a corporation of Sweden
Application November 29, 1945, Serial No. 631,642
In Sweden September 28, 1945
21 Claims. (Cl. 244—40)

1. In an aircraft, an internal combustion turbine unit including means providing an air intake passage, a compressor, a combustion chamber, a turbine coupled to said compressor and a rearwardly directed jet discharged nozzle connected in series to deliver air for combustion under pressure from said compressor to said combustion chamber and gaseous products of combustion from the combustion chamber through said turbine and jet discharge nozzle for propulsion of the aircraft; an exterior aircraft surface having slots therein, interior duct means extending from the compressor to said slots in the exterior surface to effect boundary layer control, whereby the boundary layer control effect may be increased by increase in speed of the turbine unit; and adjustable deflector means movable into the path of combustion gases passing from said combustion chamber through said jet discharge nozzle to direct a portion of the propulsive gases forwardly to neutralize the potential increase in propulsive effect due to increase in speed of the turbine unit for boundary layer control.



19. An aircraft having a wing, an internal-combustion turbine unit carried by the aircraft, means providing an air intake passage for said unit extending from an exterior surface of the aircraft and including a wall, shutter means normally forming part of the wall of said intake passage but movable to a position to partially block said passage so as to cause a relative depression in the pressure of fluid in said passage downstream of said shutter means, and means providing a passage between an opening in the upper surface of the wing and an opening in the wall of said intake passage, which last-named opening is normally closed by the shutter means, but which is uncovered when the shutter means is moved as aforesaid, to place that portion of the intake passage which is downstream of said shutter means in communication with said wing opening, whereby to remove some of the boundary layer from the upper surface of said wing.

2,568,814
POWDER BOX COMPACT
Ada Marcellus, New York, N. Y.
Application July 24, 1947, Serial No. 763,367
2 Claims. (Cl. 132—82)

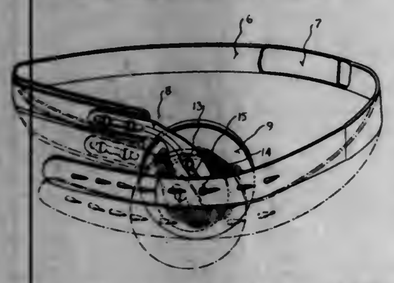
2. Releasable retaining means in a package for cosmetic powder mounting a tubular lining shell within an outer tubular container, comprising a bottom wall closing the bottom end of the outer container and having a raised central portion surrounded by a channel, the lining shell having its bottom edge disposed in said channel

so that powder can be placed within the shell and on the raised central portion of said shell, said lining shell having its top edge portions bent outward and downward over the top edges of the outer container, and projections on one wall of



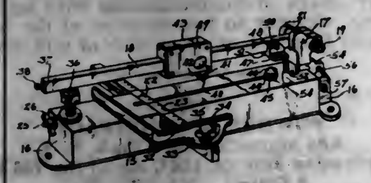
said container and extended into said channel, the shell having bayonet slots extended in from its bottom edge and engaged with said projections releasably securing the bottom edge of the shell in position in the channel.

2,568,815
TRUSS
Leo J. Marrier, Milwaukee, Wis.
Application May 13, 1949, Serial No. 93,033
9 Claims. (Cl. 128—117)



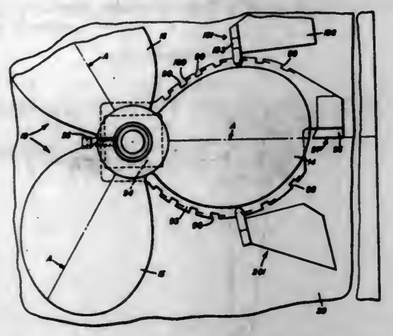
1. In a truss of the type to be worn by ruptured persons: a plug to fit against the ruptured portion of the wearer's body; and means adapted to be strapped to the wearer's body for holding the plug in place, said means being characterized by the provision of a pressure applying member larger than the plug and bearing against the plug with a free sliding engagement which enables substantial shifting of the pressure applying member across the plug so that such shifting of the pressure applying member due to normal body movements does not dislodge the plug from its proper place on the body of the wearer.

2,568,816
TILE CUTTING DEVICE
Edward Maras, North Bergen, N. J.
Application January 26, 1950, Serial No. 140,645
4 Claims. (Cl. 125—23)
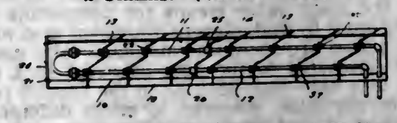


1. In a tile cutting device the combination of a base, a vertically adjustable support at one end of said base, comprising a block, a post fixed in said block and depending therefrom, a vertical slot in said post, a guide plate fixed in said slot, a boss on said base slotted to receive said post and plate for vertical sliding movements, a vertical slot in said guide plate, a bolt passing through the last said slot and through said boss and a nut for said bolt to squeeze said boss and secure said plate and post vertically relative to said base.

2,568,817
GAUGING APPARATUS
Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1946, Serial No. 683,182
4 Claims. (Cl. 33—174)



1. In an apparatus for gaging projected contours of articles which are angularly disposed about a central body, a base having a plane surface thereon, means to support the article and body in fixed relation to the said surface, a gage guide having a contour generally corresponding to the vertical projection of the article to be gaged, said guide lying flat on the base and being rotatable about the central body to a position in alignment with the vertical projection of the article, means to releasably lock the gage guide in said position, a gage member including a gaging edge movable on said surface and so shaped and positioned with respect to the surface that the gaging edge is perpendicular thereto, and a plurality of means on the gage guide to locate the gage members to bring the gaging edges thereof into registration with a corresponding predetermined peripheral point of the article.

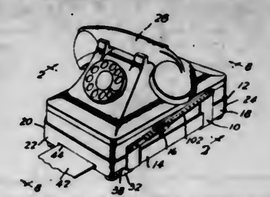
2,568,818
BASEBOARD RADIATOR
Arthur C. O'Day, Milton, Mass.
Application October 11, 1946, Serial No. 702,807
2 Claims. (Cl. 257—133)



1. A heat exchange unit for installation along a wall of a room adjacent to the juncture of said wall with the floor of said room comprising a back plate adapted to be positioned in abutting relation with respect to said wall and having its lower end resting upon the floor of said room, said back plate being flanged at its upper and lower ends, a front plate arranged in parallel spaced relation with respect to said back plate, an end plate closing each of the ends of said back and front plates, said front plate having its top and bottom edges spaced from and forming with the flanged upper and lower ends of said back plate an inlet and an outlet for air, a plurality of stepped brackets arranged in side by side spaced relation positioned in abutting relation

along said back plate and secured to the latter, each of said brackets embodying a pair of steps arranged in end to end spaced parallel relation with respect to each other, a vertical riser positioned between the facing ends of said steps and secured thereto, and a second riser positioned adjacent the other end of one of said steps and dependingly supported from the latter, the second riser of each of said brackets being supported by the floor of said room with the other end of the other of said steps bearing against the adjacent portion of said back plate, the respective risers of said brackets being in alignment with each other, an open ended pipe extending through each of the aligned first and second named risers of said brackets, a connecting pipe extending between one of the open ends of said pipes and secured thereto, a second pipe connected to the other open end of one of said open ended pipes for supplying a heating medium to said one of said pipes, and a third pipe connected to the other end of said other of said pipes for withdrawing the heated medium from said other pipe.

2,568,819
MEMORANDUM DEVICE
Adolph Olevin, Brooklyn, N. Y.
Application July 6, 1948, Serial No. 37,262
5 Claims. (Cl. 40—10.5)



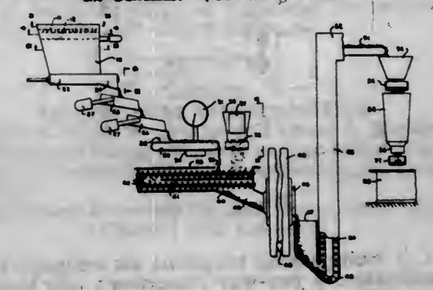
5. In a memorandum device for use in cataloguing a series of entries and having a drawer element and a selector element, the drawer element including a plurality of index cards; an interlocking member including: means to secure said member to a peripheral portion of one of said index cards; a main portion, and an interlocking tab; said main portion having an opening therein adapted to receive the interlocking tab of a similar interlocking member; an engagement tab, said engagement tab being engageable with a portion of said selector element; whereby movement of said selector element may serve to disengage said interlocking member from an adjoining interlocking member.

2,568,820
RELEASABLE HOOK
Frank E. Osika, Mosinee, Wis.
Application May 4, 1951, Serial No. 224,542
4 Claims. (Cl. 294—83)



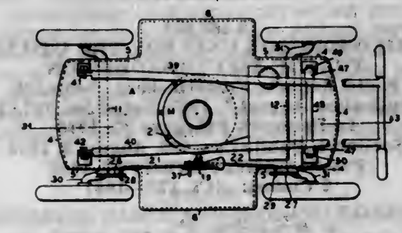
2. A releasable hook comprising an elongated shank having a strand-engaging formation at one end and a bearing aperture extending transversely therethrough near its other end, a pin having a bearing portion journaled in said bearing aperture, and having a longitudinally curved portion extending from one end of said bearing portion and a non-circular formation at the other end of said bearing portion, and resilient means connected between said pin and said shank urging said pin to a rotational position relative to said shank in which the distal end of the longitudinally curved portion of said pin is directed toward the strand-engaging formation on said shank, the non-circular formation on said pin being adapted to receive a hand lever for manually rotating said pin away from the above-mentioned rotational position.

2,568,821
MACHINE FOR HANDLING SLUDGE
David L. Perrot, Saginaw, Mich., assignor to Jackson and Church Company, Saginaw, Mich., a corporation of Michigan
Application March 16, 1949, Serial No. 81,811
12 Claims. (Cl. 259—154)



1. An apparatus for handling a fine dispersion of lime sludge and for mixing the same with a predetermined amount of aggregate into a homogeneous mixture, said apparatus comprising a vibrating feeder for feeding the sludge and adapted to vibrate at a frequency such that the entrapped water held within the lime agglomerates is freed to wet the aggregates, a worm gear for feeding the sludge onto said vibrating feeder, a mixing chamber, means for continuously feeding a constant weight of sludge from said feeder into said mixing chamber, means for simultaneously feeding measured quantities of aggregates into said mixing chamber and a vibrating feeder adapted to feed the homogeneous admixture from said chamber into a press.

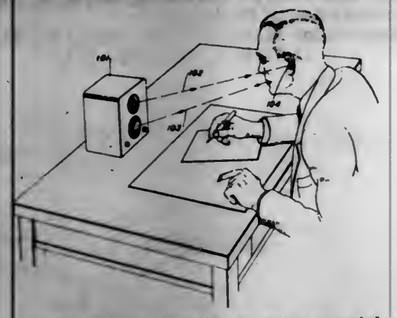
2,568,822
DISK TYPE LAWN MOWER
Ralph Emory Pervis, Maitland, Fla.
Application December 8, 1949, Serial No. 131,890
4 Claims. (Cl. 56—25.4)



1. A mowing machine, comprising: an elongated body chassis disposed in a horizontal plane having corner recesses providing fore and aft end extensions, axles operatively connected to said extensions, said axles being provided with wheel bearing crank terminals confronting the fore and aft recesses, means operatively connecting said axles for adjustment of the same, whereby the chassis may be vertically adjusted, said body

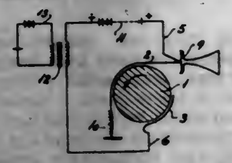
chassis being provided with laterally extended portions intermediate the corner recesses, a shaft extending vertically through the mid-portion of the body chassis and having a cutter on its lower end beneath the said body chassis, and means on the chassis operatively connected to the shaft for rotation thereof.

2,568,823
LOUD-SPEAKING TELEPHONE SET
Ralph K. Potter, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1948, Serial No. 43,623
5 Claims. (Cl. 179—1)



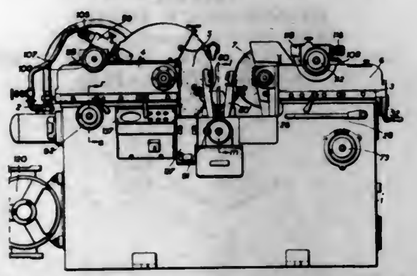
1. A loudspeaking telephone set comprising in combination a two-way subscriber's line having a pair of branches simultaneously coupled to said line, amplifying means included in said branches, a source of carrier wave energy, means included in one of said branches for modulating the carrier wave energy of said source in accordance with message signals received over said subscriber's line, a projector continuously coupled to receive the output of said modulator and to radiate said carrier waves over a selected area, a detector located within said area and responsive to demodulate the modulated carrier waves radiated from said projector to derive said message signals therefrom, a telephone transmitter continuously coupled to the other of said branches for impressing return message signals on said subscriber's line, wherein said transmitter is positioned to be actuated by the carrier waves radiated by said projector, but wherein the branch including said transmitter has a response characteristic which includes the frequency band of said message signals but excludes the frequency band of said carrier waves.

2,568,824
SEMICONDUCTOR UNIT FOR THE UTILIZATION OF ELECTROADHESION
Knud Rahbek, Frederiksberg, Denmark
Application August 7, 1947, Serial No. 767,310
In Denmark February 27, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires February 27, 1966
2 Claims. (Cl. 179—108)



1. Device for utilization of electro-adhesion between contacting surfaces of bodies traversable by electric current for actuating an apparatus, one of said bodies comprising in combination two mutually insulated metallic parts fixed side by side and having a smooth surface thereon; electrical connections for connecting each of said metallic parts with opposite poles of a voltage source, the other of said bodies consisting of a semi-conducting material having a volume resistivity lying between 10^1 and 10^9 ohm-centimeter; means for yieldingly pressing said semiconducting body against the smooth surface on the other body and means for moving one of said bodies in relation to the other along the contacting surfaces and means for transmitting the hereby caused movements of the other body to the apparatus actuated thereby.

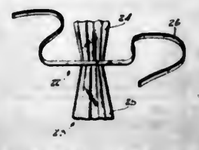
2,568,825
CENTERLESS TRUING MACHINE
François Marius Rosas, Saint-Etienne, France, assignor to Microrex, Saint-Etienne, France, a French company
Application April 18, 1949, Serial No. 88,141
In France April 30, 1948
8 Claims. (Cl. 51—103)



1. In a centreless grinding machine, the combination of a support including at either end thereof a raised dovetailed slideway including two lateral sections extending to either side of the support with a deep depression between the sections, a carriage adapted to slide over each slideway, a grindwheel revolubly carried by one of the carriages and engaging the depression separating the corresponding slideway sections and a governing wheel revolubly carried by the other carriage and engaging the depression separating the corresponding slideway sections, the grindwheel and governing wheel lying substantially in the same vertical plane, said grindwheel and governing wheel including each an axially hollow hub the side walls of which are inwardly tapering, a driving shaft for each wheel, including a spindle located to either side of the corresponding wheel and terminating with a conical centering tip engaging the tapering part in the corresponding surface of the wheel hub, one of said spindles being hollow, an axial bolt passing through the hollow spindle and screwed into the other spindle, driving means keyed to the outer end of the spindle into which the bolt is screwed, roller bearings and thrust bearings revolubly carrying the spindles and means through which the roller and thrust bearings are supported by the corresponding carriage.

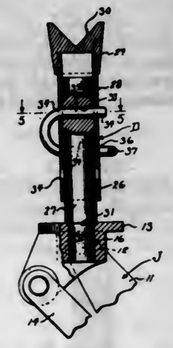
2,568,826
GARMENT ACCESSORY
Mary Rousseo, Forest Hills, N. Y.
Application January 19, 1949, Serial No. 71,699
1 Claim. (Cl. 2—91)

A new article of manufacture to be worn as a jabot or a bustle, comprising an elongated narrow ribbon adapted to be engaged about the wearer's body by having its ends tied together, a decorative portion of cloth material of uniform width and length, said decorative portion being of a width substantially greater than the width of said ribbon but of a length substantially less



than the length of said ribbon, said decorative portion being shirred parallel to its length and extended across the center portion of said ribbon with its width parallel to the length of said ribbon, and a line of stitches running parallel to the length of the ribbon securing said decorative portion to said ribbon.

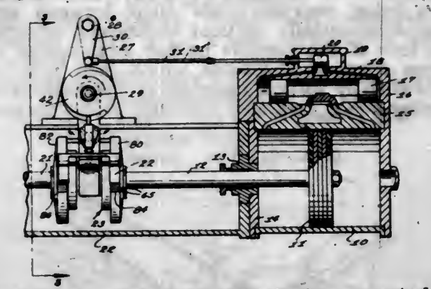
2,568,827
WHEELED BUMPER JACK
Arthur E. Schallock, Sheboygan, Wis., assignor to American Hydraulics, Inc., Sheboygan, Wis., a corporation
Application December 16, 1949, Serial No. 133,250
2 Claims. (Cl. 254—133)



2. As a new article of manufacture an attachment for jacks of the type having a swinging lift arm and a lift head pivotally connected thereto having an upper face normally disposed in a horizontal plane comprising a vertically disposed standard adapted to detachably engage said head, a lift head on the standard shaped to engage an automobile bumper and bumper bracket, said standard including a lower post section and an upper sleeve section slidably mounted on the post section, means holding said sections in a selected adjusted position, said means including a latch pin, the post section and sleeve section having registering openings for receiving the pin, a bent back portion on said pin arranged in parallel relation therewith and an angularly extending handle on said bent back portion normally lying at one side of the standard.

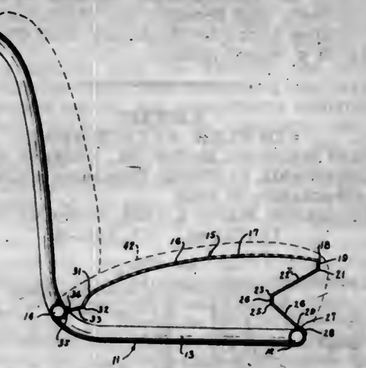
2,568,828
PISTON ROD ROTATING ATTACHMENT FOR RECIPROCATING PUMPS
Martin W. Schrader, Lafayette, La.
Application February 24, 1950, Serial No. 145,952
4 Claims. (Cl. 121—157)

1. In a reciprocating pump having a reciprocatory piston rod, an oscillatory valve operating shaft and means connecting said valve operating shaft to said piston rod, means mounted on said means connecting said valve operating shaft and said piston rod and drivenly connected to said



valve operating shaft and drivingly connected to said piston rod to rotate the piston rod as said valve operating shaft is oscillated by reciprocatory movements of said piston rod.

2,568,829
SPRING SEAT CONSTRUCTION
Edwin D. Scott, Plymouth, and Elmer A. Herider, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 29, 1945, Serial No. 637,918
3 Claims. (Cl. 155—179)

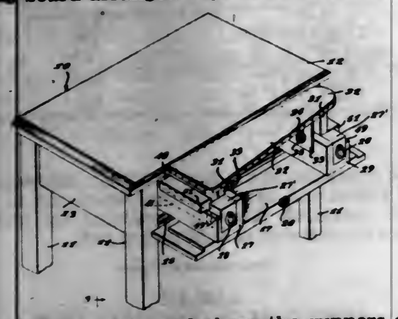


1. A cushioned seat for a supporting frame having front and rear rails, comprising a wire spring unit bent into sinuous shape substantially in the supporting plane of the spring extending crosswise of said frame between the front and rear rails thereof, said spring unit including a horizontally corrugated seating portion, and an integral substantially V-shaped corrugated portion connecting the front end of said seating portion to the front rail of said frame, the vertex of said V-shaped portion having a double angular bend in a plane normal to the supporting plane of the sinuous spring, said double angular bend including adjacent loops of said sinuous wire spring.

2,568,830
COMBINED TABLE AND IRONING BOARD
Alonza Sealy, New York, N. Y.
Application June 1, 1948, Serial No. 30,355
4 Claims. (Cl. 38—115)

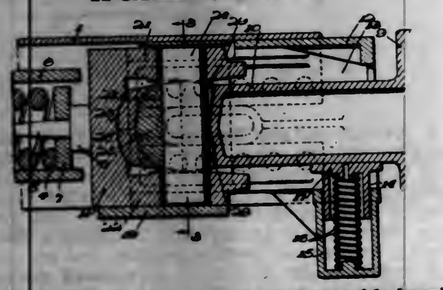
1. An ironing board attachment for a table having a top and a pair of laterally spaced substantially parallel rails disposed below the top and provided in their inner faces with opposed grooves, the attachment comprising a pair of longitudinally shiftable connected runners dis-

posed beneath the top of the table and between the rails thereof and including parts slidably engaging within the grooves of the rails, the runners being provided near their forward ends with substantially vertical transverse openings, the tops of the runners having longitudinal recesses forming slideways which lead into the substantially vertical openings of the runners, an ironing board arranged adjacent to the forward



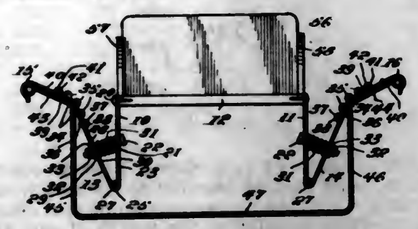
ends of the runners and above the runners and including spaced depending legs slidably engaging in the substantially vertical openings of the runners, and spring pressed latch blocks slidably mounted within the slideways of the runners and biased longitudinally forwardly so that they project into the substantially vertical openings of the runners and beneath the depending legs of the ironing board to releasably hold the ironing board in a raised position.

2,568,831
COUPLER ATTACHMENT
Sigvard Simonson, Butler, Pa., assignor, by mesne assignments, to Hulson Company, Chicago, Ill., a corporation of Iowa
Application March 4, 1949, Serial No. 79,656
11 Claims. (Cl. 213—8)



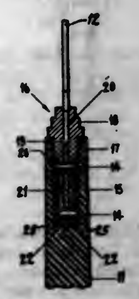
1. In a railway car, a center sill movable longitudinally relative to the car body, a coupler having a shank extending into the end of said sill, a follower having a universal pivotal connection with the coupler shank, a draft lug secured to said sill and engaged by said follower to transmit draft forces from said coupler to said sill, means for cushioning movement of the sill relative to the car body including a spring engaging and normally maintaining said follower in engagement with said lug, and a buffing stop secured to said sill and adapted to be engaged by said follower to limit inward movement of said follower and coupler relative to said sill from normal position and thereafter to transmit buffing forces from said coupler to said sill, said limited inward movement of said coupler and follower being cushioned by initial compression of said spring.

2,568,832
WAGON AND TRUCK BODY SEAT
Marshall E. Stone, Monticello, Ky.
Application July 26, 1950, Serial No. 175,967
4 Claims. (Cl. 155—5)



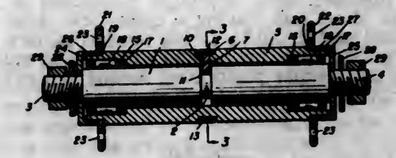
4. In a seat for truck bodies and the like the combination which comprises a seat having a back, vertically disposed struts extended downwardly from the corners of the seat, outwardly and upwardly extended arms having hooks on the upper ends pivotally mounted on the lower ends of the struts, said arms having spaced transversely disposed hinge sections therein, stay bolts extending through the struts and arms, and means resiliently urging the arms outwardly away from the struts.

2,568,833
BLADE AND HANDLE SECURING MEANS
Max H. Storch, Belle Harbor, N. Y.
Application November 27, 1948, Serial No. 62,360
2 Claims. (Cl. 30—342)



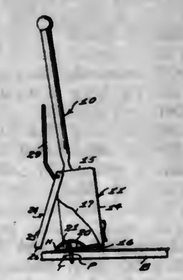
2. A mounting for a blade having a shank with transverse openings comprising in combination a handle made of plastic material and having an elongated tubular opening which opens at one end thereof, blade engaging arms fitting within said opening, said arms being recessed on their outer faces, said arms being apertured at two points in a crosswise direction with the distance apart the same as the distance between the openings in said blade shank, two plastic securing members respectively seated in said recesses, each of said plastic securing members having a transverse extension of a length to pass through both arms and through said blade shank and through the other plastic securing member when said members are in assembled relation, said transverse extensions terminating in concealed relation within said handle, and plastic cement joining said plastic securing members to said plastic handle and thereby causing said lateral plastic extensions passing through said transverse blade openings to hold said blade and said blade engaging member in unitary relation with said handle.

2,568,834
HUB
Edgar Streifthau, Middletown, Ohio
Application September 17, 1947, Serial No. 774,525
3 Claims. (Cl. 301—1)



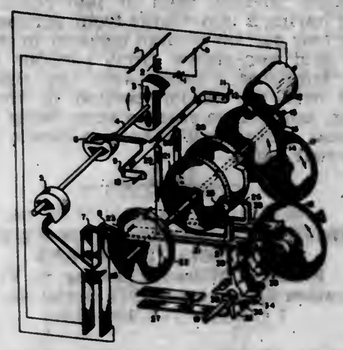
1. A roller bearing front wheel hub for bicycles and motorcycles comprising an axle having a centrally disposed peripheral groove and reduced externally threaded ends, a tubular hub rotatably mounted on said axle having a centrally disposed peripheral groove and a key receiving slot extending through a portion of said groove forming spaced supporting seats, a key having a flat edge and an arcuate edge disposed in said slot with said flat edge seated on said seats, a split retaining ring confined in said groove exteriorly of said key, said hub being formed with internally disposed annular recesses in its opposite ends, roller bearings and races supported in said annular recesses having bearing engagement with said axle and hub, said axle having bearing surfaces at the juncture of said axle with said threaded ends, and dust caps carried by said threaded ends and bearing against said bearing surfaces.

2,568,835
THUMBTACK EXTRACTOR
Ira L. Thompson, Houston, Tex.
Application September 27, 1949, Serial No. 118,070
3 Claims. (Cl. 254—21)



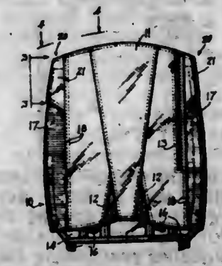
1. A tack tool comprising a hollow receptacle having a bottom wall, opposing upstanding side walls and an upstanding front and rear wall, a handle projecting outwardly from the rear wall for swinging said receptable, an upwardly divergent V-shaped notch formed on the upper edge of the front wall thereof for extracting a tack from a workpiece, the lower edge of the front wall forming a fulcrum about which the receptable is swung by the handle to extract a tack from a workpiece and a spring urged closure pivotally mounted at one end on the upper edge of the rear wall and adapted to form an upwardly and outwardly swingable upper wall for the receptacle for confining an extracted tack within the receptacle as it is being extracted.

2,568,836
RECEIVING DEVICE FOR REMOTE-CONTROL INSTALLATIONS
Hans Tobler, Zurich, Switzerland, assignor to Landis & Gyr, A. G., a body corporate of Switzerland
Application February 5, 1948, Serial No. 6,543
In Switzerland December 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1966
10 Claims. (Cl. 177—353)



10. A receiving device for remote control installations including in combination a relay, a pair of cams controlled by the relay, a motor, a switch controlled by one cam for supplying power to the motor, a shaft driven by the motor and driving a control disc for keeping the switch closed until the shaft has completed one revolution, a second switch, an escapement controlling said switch and including two members, one for releasing the escapement to open, and the other for closing said second switch, a spring wound by said motor for actuating said second switch under control of the escapement, a pair of rotary control discs co-operating with said members and driven in timed relation by said motor whereby said escapement members are selectively controlled and released only at a predetermined point in the rotation of said control discs, and means actuated by the other of the first pair of cams for preventing release of the escapement except when the relay is actuated in proper timed relation with the release of a selected escapement member and the spring is wound on such actuation of the relay.

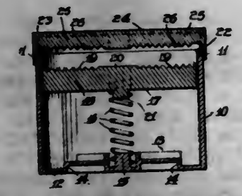
2,568,837
CORSET
George G. Wanish, Cortland, N. Y.
Application June 29, 1949, Serial No. 101,928
1 Claim. (Cl. 2—28)



A waist control for a one-piece foundation garment having a non-elastic front panel with vertical side edges and a non-elastic back panel with vertical side edges with elastic side panels

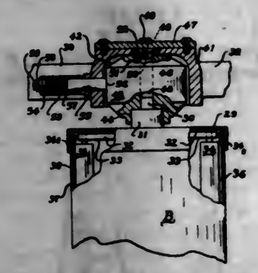
having vertical side edges secured to the vertical side edges of the front and back panels, comprising waist reinforcement panels on either side of the garment on the outside thereof, the front panel having its top portion projected slightly above the top edges of the side panels, said reinforcement panels being secured at their front ends to the vertical side edges of the front panel above and below the top edges of the side panels, said reinforcement panels being secured at their back ends to the rear panel inward of the vertical side edges thereof, each of said reinforcement panels having a non-elastic front portion and an elastic rear portion secured together in end alignment, said non-elastic front portions being in facial frictional contact with the elastic side panels over the major portion of the height thereof, said elastic rear portions being in facial frictional contact with the non-elastic material of the rear panel.

2,568,838
PORTABLE CLEANSING DEVICE FOR ARTIFICIAL DENTURES
Ernest A. Wilcox, Flushing, N. Y.
Application September 8, 1947, Serial No. 772,689
7 Claims. (Cl. 134—154)



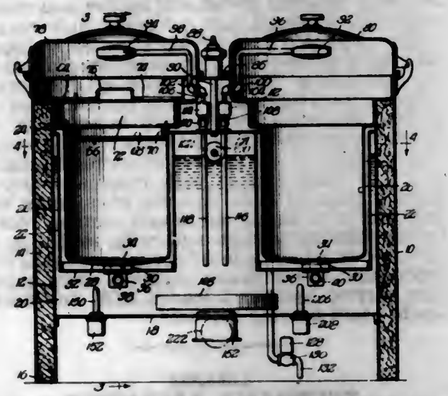
1. A cleansing device for artificial dentures, comprising a container, a cover therefore having depending toothed portions, an upright helical spring disposed axially of said container, and a denture support mounted on said spring and freely adjustable in said container, whereby a denture placed upon the support will be held firmly between the toothed cover portions and the support.

2,568,839
ICE-CREAM FREEZER
David C. Williams, Big Stone Gap, Va.
Application May 24, 1949, Serial No. 95,005
4 Claims. (Cl. 259—53)



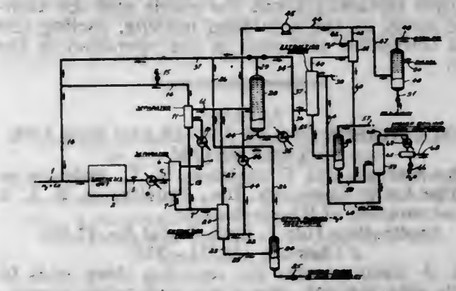
1. In an ice cream freezer comprising an outer stationary casing, and an inner movable casing having power drive means for driving said inner casing and provided with a dasher and dasher shaft having a dasher positioning and supporting means extending across the top of the said outer casing, said dasher positioning and supporting means including a friction clutch for preventing movement of said dasher during the initial normal freezing operation, but permitting the driving of said dasher by means of and in accordance with the movement of said inner casing as the ice cream mix therein becomes solidified, said friction clutch comprising a member enclosing said dasher shaft and preventing the entry of extraneous matter to the interior of said inner casing, said member being drivingly connected to said dasher shaft and having a cylindrical outer peripheral surface and a spring pressed plunger engaging said outer cylindrical surface and mounted in said dasher positioning means and extending radially of said outer freezer casing.

2,568,840
AUTOMATIC COFFEE MAKER
Christos W. Zees, Chicago, Ill.
Application November 10, 1948, Serial No. 59,326
3 Claims. (Cl. 99—282)



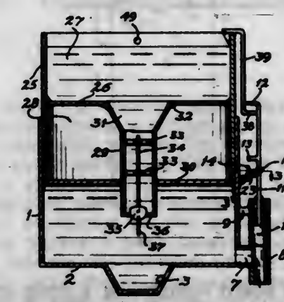
1. In a coffee making device, the combination of a casing having a closed, water heating compartment therein, a jar supported in said compartment, a draw-off connection extending outwardly of said casing and communicating with said jar, a perforated coffee leacher disposed in the top of said jar, a removable closure for said jar, a spray head disposed over said leacher, a supply pipe for said spray head connected at its outlet end to said head and having the inlet end extending into the heating compartment, the position of the inlet end of said supply pipe in said compartment determining the amount of water to be sprayed through the head to the jar in any cycle of operation, a normally closed solenoid operated supply valve in said supply pipe, a liquid level controlled switch actuated by the water in said compartment, said switch being open when the water in said compartment is at the predetermined maintained level but closed when the water is below such level, a water intake for supplying water to said compartment, said intake being adapted to be connected to a source of water supply, a normally closed solenoid operated intake valve disposed in said intake for controlling supply of water to said compartment, said intake valve being controllably connected to said liquid level controlled switch whereby when the water is at said predetermined maintained level said liquid level controlled switch is in a position to cause said intake valve to be closed and when the water level is below said predetermined maintained level, the liquid level controlled switch is in position to permit said intake valve to open, to permit supply of water through said intake to said compartment, heating means disposed in said compartment for heating the water therein, thermostatic means controlled by the temperature of the water in said compartment for causing the water in said compartment to be maintained at a normal predetermined temperature, a relay comprising a relay solenoid and a plurality of switches, one of said switches being closed when two other of said switches are open, and vice versa, said first named switch being in circuit with said liquid level controlled switch thereby permitting energization of the solenoid of the intake valve when said first named switch is closed, said second named switches being in the heating means circuit for controlling the same independently of the heater controlling thermostat, a selecting switch movable to a position to permit the solenoid of the supply valve to be energized, a starting switch provided with a timing device operable to maintain said starting switch closed for a predetermined time, said starting switch, when in closed position, permitting the relay and the solenoid of the supply valve to be energized, and a thermostatic control controlled by the temperature of the water in the compartment operable to render the starting switch and timer ineffective, said thermostatic control being operable to render the relay ineffective, and also operable to render the solenoid of the supply valve ineffective unless the temperature of the water in the compartment is above a predetermined temperature, energization of said relay causing the first named switch thereof to become open, and the second named switches thereof to become closed, thereby preventing the intake valve from opening, and causing heating of said heating means to raise the temperature of the water in the compartment above the normal predetermined temperature whereby the pressure generated by the heated water in said compartment causes the water in said compartment to flow through the supply pipe of the supply valve and be sprayed on the leacher until the predetermined amount of water has been sprayed, opening of the starting switch by the timer after the timed period causing the relay to become de-energized and the solenoid of the supply valve to become de-energized, and the solenoid of the intake valve to become energized, whereby water is supplied to said compartment through said intake and thereafter heated to the normal predetermined temperature through control by the thermostatic control.

2,568,841
METHOD OF SYNTHESIZING GASOLINE HYDROCARBONS
George B. Arnold, Glenham, N. Y., and Howard V. Hess, Charleston, W. Va., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 1, 1947, Serial No. 725,836
11 Claims. (Cl. 260—450)



1. In the catalytic conversion of carbon monoxide and hydrogen for the production of liquid hydrocarbons in the gasoline range, the method which comprises catalytically reacting carbon monoxide and hydrogen in a conversion zone in the vapor phase at a temperature of about 500 to 700° F., to form a product mixture comprising mainly hydrocarbons, water and oxygen-containing organic compounds comprising alcohols, aldehydes, ketones, esters and acids, separating said product mixture into a gas phase comprising normally gaseous products of conversion and unreacted carbon monoxide and hydrogen, a liquid hydrocarbon phase and an aqueous phase, separating from said hydrocarbon phase and said aqueous phase said oxygen-containing organic compounds distilling below about 245° F. and recycling at least a portion of said oxygen-containing compounds to said conversion zone so as to increase the yield of liquid hydrocarbons in the gasoline range.

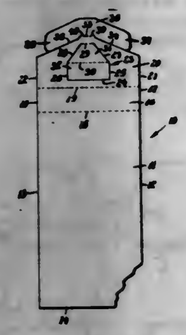
2,568,842
WATER PUMP
John M. Baldwin, Spokane, Wash.
Application December 24, 1949, Serial No. 134,880
5 Claims. (Cl. 103—55)



1. In a pump, a main casing having a bottom and formed with an outlet at a side of its bottom, a container slidable vertically in said casing through the upper end thereof, a partition in said container dividing the same into a lower air chamber and an upper water chamber adapted to be filled through its top, a conduit extending downwardly from the water chamber through the air chamber and the bottom of the container for delivering water into the casing under the container and formed with a valve seat at its lower end, a valve in said conduit normally resting upon said seat and having a stem extending vertically in the conduit with its lower portion projecting downwardly in position for engaging the bottom of the casing and shifting the valve upwardly to an opened position as the container approaches the limit of its downward movement and thereby allow escape of water from the water chamber through the conduit and into the casing and out through the outlet of the casing, a sump into which water flows from said casing, a tubular valve casing disposed vertically over said sump and through which water flows from the outlet of the main casing, a piston valve in said valve casing slidable vertically from a lowered position closing the outlet of the main casing upwardly to an opened position, a stem extending upwardly from the piston valve through the upper end of the valve casing and having upper and lower laterally extending fingers above the valve casing, an arm extending vertically in laterally spaced relation to said container and having its upper end secured to the container and its lower end provided with a finger disposed between the fingers of the valve stem for intermittent engagement therewith to shift the piston valve to

opened and closed positions during vertical movement of the container involves influence of water in its upper chamber and air in its lower chamber, a pump disposed vertically and having an intake pipe extending downwardly from its lower end into said sump and a discharge pipe leading from its upper end to a reservoir, a piston operating in said cylinder and having a rod projecting from the upper end of the cylinder, a bail carried by and extending upwardly from said container, and a rocker bar connected at its ends to the piston rod and the bail and actuating the pump during vertical movement of the container to draw water from the sump and force the water to the reservoir.

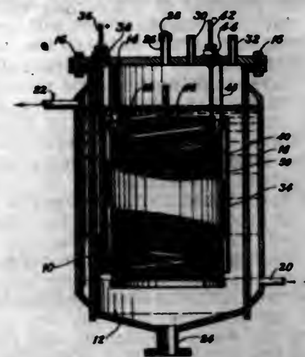
2,568,843
SHIRT BOARD
Bernard C. Bartholome, Evansville, Ind.
Application October 8, 1949, Serial No. 120,338
6 Claims. (Cl. 223—71)



2. A shirt board comprising a body section, a rear wall integral with said body section and arranged at one end of said body section in substantially perpendicular relation thereto, and a top section integral with said rear wall and arranged at the end thereof remote from said body section in substantially parallel relation to said body section, a rear tab integral with said top section and comprising a panel depending from said top section at a point substantially midway between the lateral edges of said top section and near the end thereof remote from said rear wall, and a toe integral with said panel, arranged at the end of said panel remote from said top section, and lying in face-to-face relation with said body section, and a wing tab centrally integrally attached to the free end of said top section and providing two oppositely, laterally extending, flexible wings free for flexure relative to said top section.

2,568,844
PROCESS AND APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF FLUORINE
Anthony F. Benning, Woodstown, N. J., and Melbourne K. Richards, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 14, 1944, Serial No. 558,700
8 Claims. (Cl. 204—60)

1. An electrolytic fluorine cell suitable for the electrolysis of a fluorine-containing liquid electrolyte, which cell comprises a body portion having side, top and bottom walls, an anode spaced from the side walls and extending vertically from a point substantially above the bottom wall to a point substantially below the top wall, a cathode spaced from the anode and from the side walls and extending vertically from a point substantially above the bottom wall to a point substantially below the top wall, an impermeable wall extending downwardly from the top wall to a substantial distance below the top wall between but spaced from the anode and the cathode, a foraminous diaphragm depending from the impermeable wall between but spaced from the anode and the cathode, the impermeable wall and the diaphragm dividing the cell into an anode compartment and a cathode compartment, and heat exchange means in back of the anode and in back of the cathode in contact with the electrolyte to control the temperature of the electrolyte, the anode and the cathode being so positioned relative to the top wall and to the other parts of the cell as to provide a passage for the free circulation of the electrolyte vertically about the anode and about the cathode.



6. In the electrolytic production of fluorine in an electrolytic cell having an anode compartment and a cathode compartment separated by an upper impermeable partition and foraminous diaphragm depending therefrom, a vertical anode in the anode compartment spaced from the other parts of the cell, a vertical cathode in the cathode compartment spaced from the other parts of the cell, and heat exchange means back of the anode and back of the cathode; the method which comprises maintaining an electrolyte in the cell at a level above the tops of the anode and the cathode and above the lower edge of the impermeable wall while maintaining a gas space above the electrolyte, such electrolyte having a constitution substantially in the range $KF1.8HF$ to $KF3HF$, passing an electrolyzing current through the anode, electrolyte and cathode, maintaining the electrolyte in fluid condition and preventing excessive loss of HF from the electrolyte by volatilization by passing a cooling fluid through the heat exchange means, and simultaneously circulating the electrolyte vertically about the anode and the cathode solely by the combined heating, cooling and gas formation produced in the operation of the cell.

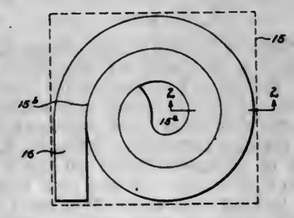
2,568,845
DETACHABLE STRAP AND CLASP FOR USE THEREWITH
John Carroll, Jr., Providence, R. I., assignor to The Lorac Company, Inc., Providence, R. I., a corporation of Rhode Island
Application July 7, 1948, Serial No. 37,394
2 Claims. (Cl. 24—232)

1. A clasp member for securing strap ends to each side thereof, one strap end being permanently secured to one side of said clasp and the other strap end being detachably secured to the other side of said clasp, comprising a lower jaw having a closed cylindrical ear on one side thereof adapted to pass through a slot in said first strap end to permanently secure said strap end thereto and a partially cylindrical hook on the opposite side thereof detachably engageable with a transverse slot on the opposite strap end, an



upper movable locking jaw pivotally mounted on an end of said lower jaw pivotal to a locking position extending over said lower jaw and means on the free end of said upper jaw and complementary free end of said lower jaw for detachably latching the upper jaw to said lower jaw, with said upper jaw inhibiting detachment of the strap from the hook member.

2,568,846
METHOD OF CONSTRUCTING ELECTRIC HEATERS
Irvin W. Cox, West Allis, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 3, 1948, Serial No. 24,730
10 Claims. (Cl. 201—67)

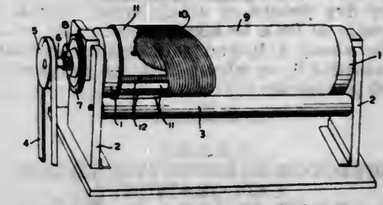


1. The method of producing a curvilinear heater wherein a resistor embedded in insulation is enclosed in a tightly fitting one-piece sheet metal sheath of tubular character, which comprises the steps of, cutting from a sheet metal blank a flat strip curved lengthwise in a configuration corresponding to the ultimate curvilinear form of the heater, forming said strip throughout its length, through the medium of straight line drawing die elements, into an open channel strip of the desired ultimate curvilinear form, and effecting by a series of bending dies applied in sequence and by movement thereof in a direction normal to the bottom wall of said channel strip folding to a meeting and welding relation throughout the length of the heater portions of the side walls of the channel strip to provide a one-piece sheath.

2,568,847
METHOD OF COATING WIRE-WOUND ELECTRICAL RESISTORS
Alden J. Deyrup, Westfield, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 9, 1946, Serial No. 682,289
2 Claims. (Cl. 117—70)

1. In the production of vitreous enamel coated, wire-wound electrical resistors containing a ceramic core the steps comprising alternately applying and firing at least three successive coats of vitreous enamel on the wire-wound core, firing the first coat at a time and temperature to produce a smooth, glossy surface, firing every additional coat, except the last coat, at a time and temperautre to sinter and bond the enamel particles to form a solid, porous surface, and firing the last coat to form all of the applied enamel into a smooth, even, glossy coating.

2,568,848
METHOD OF MAKING AIR BAG FOR USE IN HIGH-FREQUENCY ELECTRICAL VULCANIZATION
Robert S. Enabnit, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 20, 1950, Serial No. 163,315
14 Claims. (Cl. 154—85)



1. A method of making an air bag comprising the steps of forming a rubber ply in a cylindrical shape, embedding a plurality of wires in the ply with the outer surface of the wires exposed, severing the cylindrical ply along a longitudinally extending line, placing a longitudinally extending electrical conductor on the exposed surfaces of the wires adjacent each longitudinal margin of the ply, folding the margins of the ply inwardly on to the conductors, arranging the ply in annular form with the wires extending arcuately substantially transversely thereof, applying at least one rubber ply to the surface of the wire containing ply to form a unit thereof, forming such unit to substantially a tire shape having bead portions around the inwardly directed margins thereof, vulcanizing the resultant unit, inserting a rubber filler strip intermediate the margins of the beads of the unit, and vulcanizing the insert to the unit.

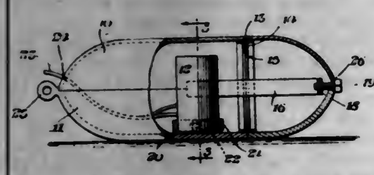
2,568,849
VAPOR BARRIER PAPER AND THE MANUFACTURE THEREOF
George Arthur Fasold, Mount Healthy, and Howard E. Callahan, Hamilton County, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application May 14, 1947, Serial No. 748,116
10 Claims. (Cl. 117—158)

1. A fire resistive vapor barrier paper which comprises a flexible paper sheet coated on at least one surface thereof with a coating having a base which consists of bitumen and water-soluble alkali metal silicate and which constitutes from about 70% to about 95% by dry weight of said coating, said base containing from about 30% to about 60% by dry weight of bitumen having a softening point of the range 100° F. to 160° F. and containing from about 40% to about 70% by dry weight of alkali metal silicate having a ratio of SiO_2 to alkali metal oxide of about 1.6:1 to about 4:1, and said coating containing from about 5% to about 30% by dry weight of humectant selected from the group consisting of glycerine, ethylene glycol, propylene glycol and sorbitol.

2,568,850
VAPOR BARRIER PAPER AND THE MANUFACTURE THEREOF
George Arthur Fasold, Mount Healthy, and Howard E. Callahan, Silverton, Ohio, assignors to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application April 11, 1951, Serial No. 220,542
8 Claims. (Cl. 117—158)

1. A fire resistive vapor barrier paper which comprises a flexible paper sheet coated on at least one surface thereof with a coating having a base which consists of bitumen and water-soluble alkali metal silicate and which constitutes from about 70% to about 95% by dry weight of said coating, said base containing from about 30% to about 60% by dry weight of bitumen having a softening point of the range 100° F. to 160° F. and containing from about 40% to about 70% by dry weight of alkali metal silicate having a ratio of SiO_2 to alkali metal oxide of about 1.6:1 to about 4:1, and said coating containing from about 5% to about 30% by dry weight of triethyl phosphate.

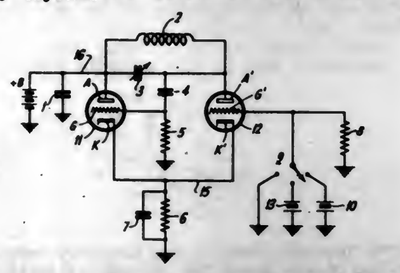
2,568,851
DETECTOR CARRIER FOR SEISMIC EXPLORATION
John W. Flude, Houston, Tex.
Application March 7, 1942, Serial No. 433,731, now Patent No. 2,423,591, dated July 8, 1947, which is a division of Serial No. 295,198, September 16, 1939, now Patent No. 2,283,200, dated May 19, 1942. Divided and this application Serial No. 747,947, May 14, 1947
2 Claims. (Cl. 177—352)



1. A detector carrier for seismic exploration, comprising a capsule shaped casing formed from two cup shaped halves, the lower of said halves being substantially heavier than the upper, a holder for a seismic detector on the lower of said halves for supporting the seismic detector upright in said casing with the lower end thereof in said holder and the upper end thereof extending into the upper half, the weight of the lower half of the casing with respect to the combined weight of the upper half of the casing and the weight of the detector being such as to maintain the seismic detector in an upright position in the casing and an eye at the forward end of said casing to receive a towing cable.

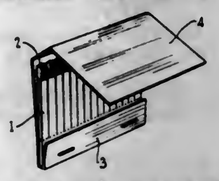
2,568,852
VARIABLE FREQUENCY OSCILLATOR
De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 9, 1948, Serial No. 31,941
5 Claims. (Cl. 250—36)

5. An oscillator comprising a pair of vacuum tube electrode sections each having an anode, a cathode and a grid, a resonant circuit coupled between said anodes, means for varying the effective frequency of said resonant circuit, means for capacitively coupling the grid of one of said sections to said resonant circuit, means coupling said cathodes together, an impedance connected from said cathodes to ground, a plurality of piezoelectric crystals of different frequencies, and



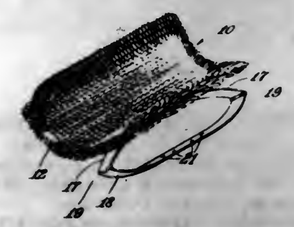
switching means connected to the grid of said other section for selectively coupling any desired one of said crystals thereto.

2,568,853
COSMETIC SPREADER AND SMOOTHER
Mary Nash Goodwin, Tappahannock, Va.
Application September 20, 1946, Serial No. 698,159
4 Claims. (Cl. 15—210)



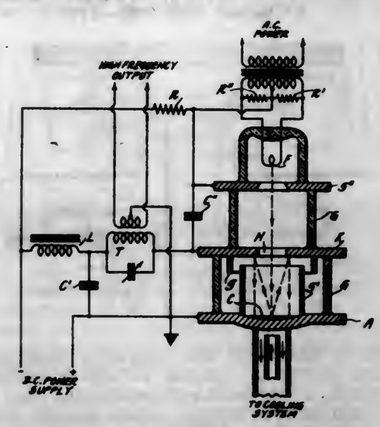
1. An article of manufacture comprising a base member and a plurality of cosmetic spreader-smoothers for lip rouge and other color creams, the ends of which are detachably secured to and integral with said base, said spreader-smoothers being of a rigidity permitting effective application to the lips of cosmetic taken up thereon during use and each of which consists of a substantially rigid stem having a cosmetic-free head at the unattached end thereof, said head (1) being curved in all directions over its extremity, (2) having a transverse cross-sectional major axis of not more than one-quarter of an inch and (3) being composed of an insoluble substantially smooth material coherent during use.

2,568,854
JOURNAL LUBRICATOR
Joseph T. Greeley, Philadelphia, Pa., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
Application April 5, 1947, Serial No. 739,673
2 Claims. (Cl. 308—88)



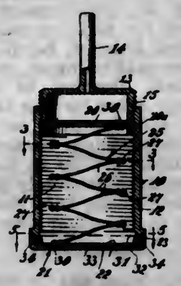
1. In a journal lubricator of the class described, a lubricating pad and a unitary supporting plate therefor comprising a thin sheet of springy metal, said plate being normally arcuate laterally and capable of being bent transversely of its length.

2,568,855
VACUUM TUBE AND CIRCUIT THEREFOR
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 6, 1946, Serial No. 714,615
14 Claims. (Cl. 250—36)



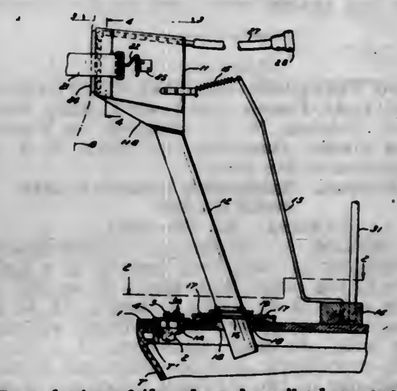
6. An electron discharge device oscillation generator comprising in the order named, a filament, a flat apertured shield, a flat apertured cathode, and an anode, all located within an evacuated envelope, a parallel tuned circuit connected at one end to said cathode and at its other end through a by-pass condenser to said anode, a source of D. C. potential having its negative terminal connected through a choke coil to said last end of said tuned circuit and its positive terminal connected to said anode, a connection from said negative terminal to said filament, a current limiting resistor in said connection, a connection from said filament to said apertured shield, means for maintaining the central portion of said anode which is in a straight line with said filament at a temperature colder than any other surface exposed to the vacuum, and an output circuit coupled to said tuned circuit.

2,568,856
SOAP CONTAINING HANDLE
Albert E. Hartmann, New York, N. Y.
Application February 7, 1950, Serial No. 142,760
2 Claims. (Cl. 222—390)



1. In a soap containing handle having an interiorly threaded sleeve for containing the soap, and an exteriorly threaded piston movable in said sleeve on the rotation of the piston, the combination of a cover for the sleeve, and a longitudinal collapsible shaft disposed between the cover and the piston, said shaft consisting of a series of superposed blades normally in planes at right angles to the longitudinal axis of the sleeve and smaller in length than the inner diameter of the sleeve, said blades being serially joined to each other at their alternate peripheral margins, with one end blade secured to the piston, and the other end blade secured to the cover, all of the intermediate blades extending across said axis, said blades when nested being in parallel planes substantially contacting with each other, and said blades being adapted to be separated from each other on the movement of said piston away from said cover, excepting for their peripheral margins, whereby on the rotation of the cover, the piston is simultaneously rotated by the radial turning movements of the blades, without transposing any rotary force to a longitudinal force, said shaft when extended, having an inherent resiliency to return to its nested position.

2,568,857
COLOSTOMY TOILET
Leslie C. Jacobs, Ventura, Calif.
Application September 23, 1946, Serial No. 698,711
1 Claim. (Cl. 4—239)

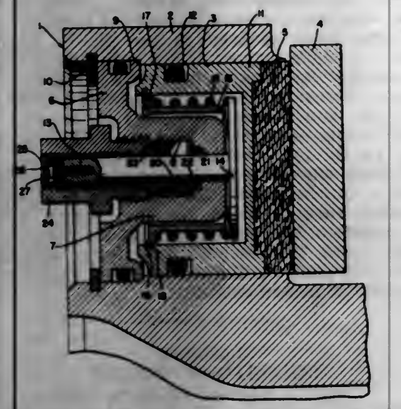


In a device of the class described, a receptacle, a cover for the topside thereof, said cover having an opening, a perforated flexible diaphragm extending over the opening, a conduit extending flexibly through the perforation and adapted variously to penetrate the same, and springs for centering the portion of the conduit extending through the diaphragm.

2,568,858
AUTOMATIC ADJUSTMENT PISTON STOP
James J. Kovac, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application January 21, 1949, Serial No. 71,923
4 Claims. (Cl. 188—152)

1. In a spot type of a brake having an automatic wear adjustment device, a brake housing, an adjusting rod, a tubular retaining member in which said rod is received, said member being secured to said housing and having a threaded bore, the axially outer end of said rod being within the bore of said member, a spring cup member secured to said rod and being adapted to engage at its edge with the threads in the bore of said retaining member to prevent axial outward movement of said rod, said spring cup being open in a direction extending axially outwardly of the said bore and being adapted to be snapped over one of said threads in said bore by a relatively

small axially inwardly directed force exerted thereon, and adjustable pressure friction means



other than the cup member for yieldably holding the rod against movement in the member.

2,568,859

MAKING TRICHLOROMETHYL COMPOUNDS

Elbert C. Ladd, Passaic, and Lewis Y. Kiley, Hasbrouck Heights, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application January 2, 1948, Serial No. 348

4 Claims. (Cl. 260—491)

1. A method of producing trichloromethyl compounds which comprises heating at a temperature in the range from about 50 to 125° C. for from about 5 to about 80 hours, 0.5 to 20 molar equivalents of trichloromethane sulfonyl chloride with one mole equivalent of a solely aliphatic monomeric olefinic compound having only from one to two ethylenic bonds per molecule, and causing the elimination of sulfur dioxide from the trichloromethane sulfonyl chloride, and adding of the fragments Cl_3C— and —Cl to the olefinic compound.

2,568,860

PROCESS FOR THE CARBURIZATION OF FERROUS METALS

Paul M. Leininger, Grand Island, and Hugh Farrell, Niagara Falls, N. Y., assignors to E. I du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 22, 1948, Serial No. 3,828

3 Claims. (Cl. 148—15.5)

1. The process of carburizing ferrous metal structures which comprises immersing said structures in a fused salt bath having an active carburizing action on ferrous metals, the carburizing action of which is produced by incorporating finely-divided carbon in a fused salt bath having a temperature between 1550° F. and 1750° F. and consisting essentially of at least one carbonate selected from the class consisting of sodium carbonate and potassium carbonate and at least one chloride selected from the class consisting of sodium chloride and potassium chloride, and passing into said bath a gas selected from the class consisting of carbon monoxide and an inorganic oxygen-containing gas which reacts with carbon to form carbon monoxide in said fused bath.

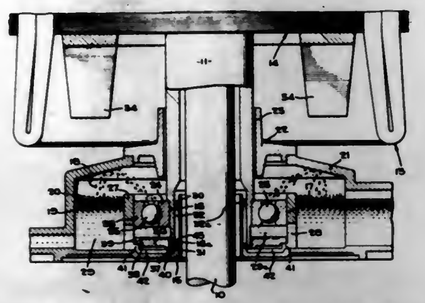
2,568,861

MEANS FOR PREVENTING AIR LEAKAGE THROUGH LUBRICATED BEARINGS

Frederick O. Luenberger, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California

Application March 19, 1949, Serial No. 82,336

8 Claims. (Cl. 308—172)



1. In a device of the character described: a vertical shaft; a bearing structure supporting said shaft; a lubricant well containing said structure; lubricant retaining means spaced laterally from said shaft to form a space adapted to receive a liquid; and means providing a passage for the relatively free flow of lubricant from said well to said space and another annular passage for the restricted flow of lubricant from said space to the portion of the well containing said structure.

2,568,862

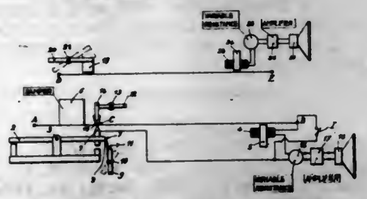
ELECTRICAL MUSICAL INSTRUMENT WITH VIBRATORY STRINGS

Constant Martin, Versailles, France

Application August 13, 1947, Serial No. 768,403

In France August 14, 1946

8 Claims. (Cl. 84—1.15)



1. In an electric musical instrument a sound unit comprising in combination a vibratory string, a hammer for striking said string at an intermediate point thereof, hand-controlled actuating means for said hammer, means for selectively causing said hammer to disengage said string immediately after having struck the same and for causing said hammer to remain in engagement with said string, means for damping the sound vibrations set up in one side of said string, and means for electrically picking up, amplifying and reconverting into sound the sound vibrations set up in the other side of said string.

2,568,863

SECTIONAL PERFORATING DIE

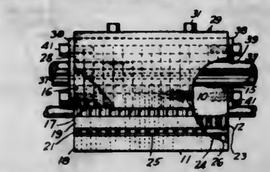
Bertram May, New York, N. Y.

Application April 8, 1948, Serial No. 19,750

11 Claims. (Cl. 164—90)

1. In a perforating die of the character described, a frame provided with a forwardly projecting base, a punch holder comprising separable holder sections reciprocating as a unit in the

frame, a stripper projecting forwardly of the frame and in upward spaced relation to the base, said base and stripper having longitudinally aligned and spaced perforations therein, a series of punches individually and separately removable from the holder, a member fixed to and overhanging the frame and the holder and having a guiding face thereon engaging the front face of the



holder to guide the holder, end plates, each removably secured to and extending past an end of the frame and having a circular bearing hole therein, said plates guiding and confining between them the ends of the holder, an oscillatory shaft mounted in the frame and passing through said hole in the end plate, and interengaging means on the shaft and the holder for positively reciprocating the holder.

2,568,864

FLASH DRY WOOD FILLER

Walter K. Moffett, Flint, Mich., and Christopher J. Weis, Westfield, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 31, 1947, Serial No. 795,152

5 Claims. (Cl. 260—22)

3. A wood filler which dries sufficiently to accept surface coats within about one half hour, comprising from 16 to 75 parts of total pigment consisting in major proportion of an inert extender having a low oil absorption and one part of binder selected from the group consisting of vegetable drying oils and vegetable drying oil modified alkyd resins and mixtures thereof, the said binder being dispersed in a liquid petroleum hydrocarbon vehicle, the said vehicle containing the binder having a viscosity of at least 7 centipoises at 25° C. and being present in amount between 5 and 15 parts per 100 parts of total wood filler.

2,568,865

PORTABLE ELEVATOR

Leonard B. Neighbour, Moline, and Howard C. Esbeck, Silvis, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application April 5, 1946, Serial No. 659,944

10 Claims. (Cl. 198—233)



2. A portable elevator comprising a long main frame having a receiving end adapted to rest on the ground and a discharge end adapted to be raised to an inclined operating position, a transport truck therefor including transverse axle means disposed beneath the central portion of said frame, a pair of supporting wheels journaled thereon, and a pair of generally horizontal draft beams pivotally connected at opposite ends, respectively, with said main frame adjacent the receiving end of the latter and with said axle means, in laterally spaced arrangement, arms fixed to said beams adjacent said axle means and extending downwardly therefrom and generally toward the discharge end of the main frame, a boom comprising a pair of laterally spaced members pivotally mounted on the lower ends of said arms, respectively, and extending longitudinally beneath said main frame toward said discharge end of the latter, a carriage mounted on the free ends of said boom members and shiftable along the bottom of the frame for raising and lowering the latter by swinging said boom, the weight of said frame and boom being transmitted through said arms tending to reduce the amount of sag in said draft beams.

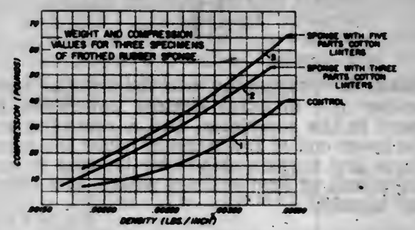
2,568,866

FROTHED RUBBER SPONGE CONTAINING FIBERS

Harold J. Osterhof and Thomas H. Rogers, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application December 4, 1948, Serial No. 63,588

8 Claims. (Cl. 260—2.5)



1. In a method of making vulcanized rubber sponge from rubber latex, the steps comprising adding to at least 25% partially frothed rubber latex one part to 10 parts per 100 parts of rubber in the latex of cotton linters having an average fiber length of about 0.46 mm. and having a wetting time of at least 30 minutes determined by taking one gram of the cotton linters and spreading them evenly over the surface of a 10% solution of sodium hydroxide and noting the time required for the linters to become entirely wet, further frothing the latex to the final volume, gelling and then vulcanizing the gelled latex.

2,568,867

WELL TOOL

Herbert C. Otis, Dallas, Tex.

Application July 27, 1946, Serial No. 686,632

5 Claims. (Cl. 166—1)

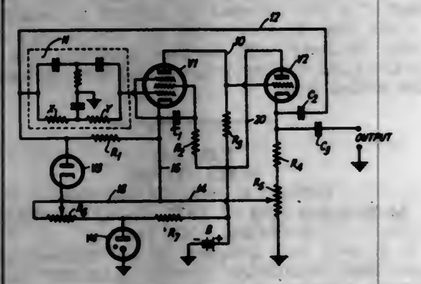
1. A well tool adapted to be lowered into a well flow conductor having annular recesses therein between sections thereof and including, a mandrel having a downwardly facing inclined expanding shoulder thereon, anchoring means movably carried by the mandrel below the expander shoulder, resilient means between the anchoring means and mandrel normally urging said anchoring means toward expanded anchoring position, a retaining sleeve slidable on the mandrel initially telescoping the lower portion of the anchoring means and engaging and restraining said anchoring means in retracted position, friction members on said sleeve engaging the bore wall of the conductor for restraining movement of said sleeve to permit movement of the mandrel and anchoring means with respect to the retaining sleeve whereby the mandrel and anchoring means may be moved upwardly with

respect to the sleeve to permit the anchoring means to be expanded by the resilient means into one of the annular recesses in the conductor, the mandrel then being movable downwardly to engage the expanding shoulder with the anchoring means to positively hold said anchoring



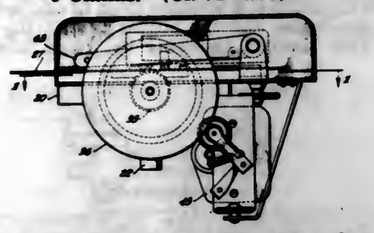
means in engagement with the annular recess to anchor the mandrel against downward movement in the conductor, and a retaining nut on the lower end of the mandrel below the retaining sleeve and friction means for limiting downward movement of said friction means and sleeve on the mandrel.

2,568,868
OSCILLATION GENERATOR
John Harry Pratt, Montreal, Quebec, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1946, Serial No. 709,985
17 Claims. (Cl. 250—36)



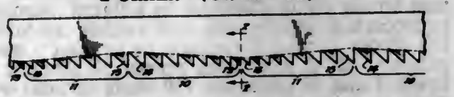
16. A stable oscillation generator, comprising first and second vacuum tubes, said first tube being a high gain tube, said second tube being a cathode follower, first and second feedback circuits coupling said tubes together regeneratively over different paths for positive feedback from one to the other, one of said feedback circuits including a resistance-capacitance parallel-T frequency determining network, the constants of said feedback circuits having values to provide an overall gain in each of said regenerative feedback circuits which is real and positive at the operating frequency, and means including a unidirectional current passing device for controlling the amplitude of the oscillations produced by said generator.

2,568,869
SOUND RECORD DRIVE
William K. Rieber, Los Angeles, Calif.
Application November 14, 1945, Serial No. 628,449
9 Claims. (Cl. 74—206)



3. In phonographic apparatus of the class described and including a friction-drive wheel directly engaged with a sound record, a power source for said drive wheel comprising in combination: a flywheel co-axially connected to said drive wheel for rotation therewith; a vibration isolating frame suspended in said apparatus by resiliently flexible shock-mounts; a motor mounted on said frame; a drive drum mounted on the shaft of said motor for rotation therewith; articulate mounting means supported by said frame; a resiliently flexible rotary coupling having friction drive flanges thereon mounted for rotation in said articulate mounting means; spring means anchored to said frame and urging said flanges into frictional driving engagement with said drive drum and said flywheel whereby to transmit rotary power from said motor to said friction drive wheel and to eliminate vibration and abrupt speed variations by absorption thereof in said coupling, articulate mounting, and shock mounts.

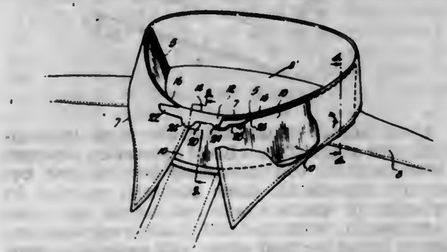
2,568,870
SAW
Lerned F. Ronan, East Aurora, N. Y.
Application October 31, 1945, Serial No. 625,774
1 Claim. (Cl. 29—95)



A saw blade having a toothed edge provided by a series of groups of teeth each of which is of relatively short longitudinal extent with respect to that of the blade, said groups of teeth being arranged in pairs wherein the teeth of one group in each pair increase progressively in length and pitch from a short terminal tooth to a long terminal tooth and wherein the teeth of the other group of each pair decrease progressively in length and pitch from a long terminal tooth to a short terminal tooth, the terminal short teeth of each pair of groups adjoining the terminal short teeth of each adjacent pair of groups, the teeth of said groups being set angularly and alternately sidewise and the shorter teeth being set at a greater angle than the longer teeth so that all teeth of said groups extend laterally to the same extent, the points of the teeth of the several groups terminating approximately in a common plane normal to the plane of the blade.

2,568,871
COLLAR SUPPORT AND PROTECTOR
James W. Steele, North Kansas City, Mo.
Application August 27, 1948, Serial No. 46,281
1 Claim. (Cl. 223—83)

A one-piece collar support and protecting device for finished and folded shirts, comprising a pair of collar supporting bands having an integral connecting portion provided with an approximately straight score or hinge line adapting the bands to be folded into engagement with the opposite faces of the inner neckfold portion of the shirt collar and also into continuous supporting engagement with the inner face of the back of the folded shirt, the outer of said supporting bands having a struck-out tab formation comprising a pair of oppositely projecting wings and downwardly projecting tabs at the inner ends of said wings for overlying the front ends of the



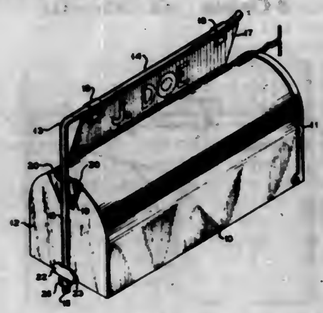
collar respectively, together with a pointed shoulder located opposite the outer end of each of said wings and a second pointed shoulder opposite the outer edge of each of said tabs at a point substantially lower than the corresponding first shoulder and nearer to the corresponding end edge portion of the collar, said shoulders and tabs being located for respective engagement inside and outside the collar, whereby said wings and tabs are adapted to engage and hold the corresponding front end portions of the collar in respective retaining engagement with both sets of said pointed shoulders.

2,568,872
POLYMERIC MATERIALS DERIVED FROM DI-2-PROPENYL PHTHALATES
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 4, 1946, Serial No. 713,920
1 Claim. (Cl. 260—78.3)

An unsaturated copolymer of monomers consisting solely of diallyl phthalate and monomeric methallyl chloride, said copolymer resulting from the interpolymerization of said phthalate with said chloride in the presence of an amount of said chloride equal to about 9 to 400% of the weight of said phthalate, and said copolymer being characterized by solubility in chloroform, acetone and xylene.

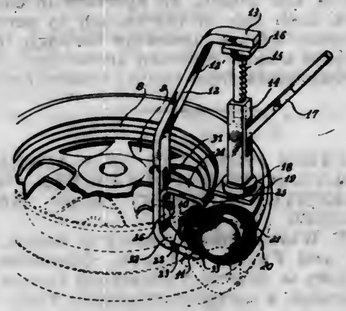
2,568,873
MAILBOX NAME PLATE BRACKET
Walter La Roy Timmons, Sr., Nashville, Tenn.
Application March 31, 1949, Serial No. 84,650
1 Claim. (Cl. 40—125)

A bracket for attaching a name plate to the flanged end wall of a mail box comprising an L-shaped rod including a horizontally disposed portion and a vertically disposed portion having its lower extremity threaded, an upper clamping member comprising a relatively flat body portion fixedly secured to said vertically disposed portion intermediate the extremities thereof and provided with spaced angularly disposed and downwardly directed hook portions for engaging the upper edge of the flanged end wall of the mail box, said vertically disposed portion being of sufficient length to extend above said upper clamping member, a lower U-shaped clamping member of a configuration to embrace the bottom edge of the flanged end wall, the intermediate portion of said lower clamping member being provided with an aperture within which the vertically disposed portion of said rod is slidably



received, a nut threaded upon the lower extremity of said vertically disposed portion engaging said lower clamping member and retaining said clamping member in engagement with the lower edge of the flanged end wall of the mail box, and a name plate mounted upon the horizontally disposed portion of said L-shaped rod.

2,568,874
PORTABLE TOOL FOR FORCING A TIRE BEAD FROM ITS ASSOCIATED RIM FLANGES
Leonard Vanleirsberghe, La Grange Park, Ill.
Application February 19, 1946, Serial No. 648,585
2 Claims. (Cl. 157—1.26)



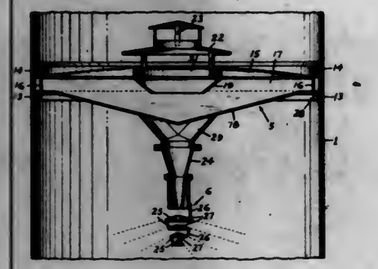
1. In a portable tool for forcing a tire bead from its associated rim flange of a vehicle wheel, a frame-work provided with an angularly bent portion at its bottom terminating in an upturned lip portion for engaging the flange of the said wheel which is oppositely disposed to said first-named flange, the said frame-work including a straight vertical portion having an elongated slot therein, the said straight vertical portion extending upwardly and being bent toward the said lip portion and terminating in a horizontal ledge portion opposing and extending beyond the said lip portion, clamp means having an extension thereof adjustably securable to the said straight vertical portion and further provided with a bent portion terminating in a downturned lip portion disposed oppositely to the said first-mentioned lip portion to engage said first-named flange in straddling relationship with the said first-mentioned lip portion, and bolt means extending through said slot and securing the said clamp means to the said straight vertical portion.

2,568,875

SPRAY-TYPE ABSORPTION TOWER

Frans Wethly, Manhasset, and Leonhard T. Hartmann, New York, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application July 20, 1949, Serial No. 105,262
3 Claims. (Cl. 261—111)



1. A gas and liquid contact apparatus comprising an upright casing, a gas inlet and liquid outlet near the bottom of the casing, a gas outlet and liquid inlet near the top of the casing, a plurality of spaced liquid spray units disposed along the height of the casing intermediate the gas outlet and liquid inlet near the top of the casing and the gas inlet and liquid outlet near the bottom of the casing, each spray unit comprising a plate divided into two segments with the chords of the two segments joined to a trough for the collection of liquid falling from above on the segments inclined toward the trough, a pipe terminating in a spray nozzle connected to the bottom of the trough, an aperture in each segment on each side of the trough to permit the free passage of gas upwardly through the segments, and a baffle disposed above the apertures to prevent liquid from falling therethrough.

2,568,876

REACTION PRODUCTS OF N-ACYLATED POLYALKYLENE-POLYAMINES WITH ALKENYL SUCCINIC ACID ANHYDRIDES

Ralph V. White, Pitman, Henry D. Norris, Woodbury, and Phillip S. Landis, Glassboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application November 14, 1949, Serial No. 127,278
23 Claims. (Cl. 106—14)

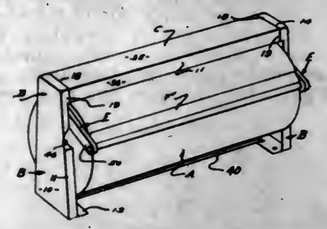
1. A corrosion-inhibiting composition which comprises a substantially neutral vehicle containing between about 0.001 per cent and about 50 per cent by weight of the reaction product obtained by reacting a monocarboxylic acid with a polyalkylenepolyamine having one more nitrogen atom per molecule than there are alkylene groups in the molecule, in a molar proportion varying between about one and about $(x-1)$ to one, respectively, wherein x represents the number of nitrogen atoms in the polyalkylenepolyamine molecule, to produce an intermediate product, and reacting an alkenyl succinic acid anhydride with said intermediate product, in a molar proportion varying between about $(x-1)$ and about one to one, respectively; the sum of the number of moles of said monocarboxylic acid and of said alkenyl succinic acid anhydride reacted with each mole of said polyalkylenepolyamine being no greater than x.

2,568,877

PAPER ROLL HOLDER

Robert A. Williams, Los Angeles, Calif., assignor to McClintock Manufacturing Company, Los Angeles, Calif., a corporation of California

Application September 19, 1949, Serial No. 116,447
4 Claims. (Cl. 242—55.5)



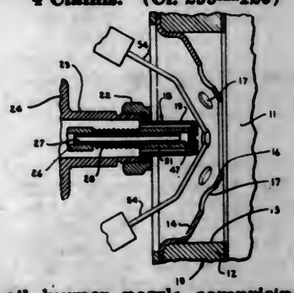
1. A roll holder of the character described including, end standards, a head extending between the standards, a roll mounting rod carried between the standards, arms pivotally carried by the standards, and a blade carried by the arms and engageable with the roll; each end standard including a flat vertical outer wall extending continuously from the top to the bottom of the standard, front and rear edge walls integral with and projecting inwardly from the vertical edges of the outer wall, a horizontal base integral with and projecting inwardly from the lower end of the outer wall, a horizontal top integral with and projecting inwardly from the top end of the outer wall, a flat vertical inner wall spaced inwardly from the outer wall depending from the top wall and extending between the edge walls, and means rigidly joining the inner wall to the other parts of the standard including, horizontally spaced upwardly projecting ears on the outer wall at the inner side thereof and a depending lip at the lower end portion of the inner wall engaged behind the ears and a pin spacing and connecting the upper end portions of the inner and outer walls, the pins including a threaded part releasably holding one of the walls.

2,568,878

OIL BURNER NOZZLE

Hubert J. Wiser, Sr., Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan

Application March 13, 1948, Serial No. 14,731
4 Claims. (Cl. 299—120)



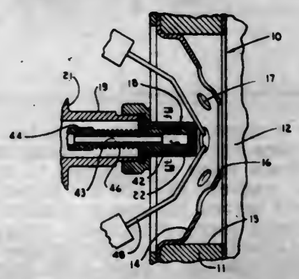
1. An oil burner nozzle comprising an outer tubular body having a circular knife-edge orifice formed coaxially therewith at the front end thereof, an inner tubular body within said outer body and having a front end formed to provide an annular seat disposed in engagement with said outer body and being spaced from said outer body on opposite sides of said seat to provide a tip chamber communicating with said orifice and an annular mixing chamber separated from said tip chamber by said seat, one of said bodies being formed to provide a plurality of passages across said seat between said mixing chamber and said tip chamber, the cross section of said passages being not greater than that of said annular chamber, said passages being formed in similarly sloped relation to one another and being symmetrically related to said mixing chamber and said tip chamber with the opposite ends of said passages opening into said mixing chamber and said tip chamber in directions tangently related to said chambers so as to induce a unidirectional rotation of fluid in said mixing chamber and in said tip chamber, air supply passageways communicating at their forward ends with said annular chamber and through which air supply passageways air under pressure is supplied to said annular chamber, a plurality of spaced oil supply ports communicating between the interior and exterior of said inner tubular body and in advance of the passage ends in said annular chamber and through which oil supply ports oil is supplied for mixture with the air supplied through said air supply passageways, said oil supply ports discharging jets of oil into said air in advance of the passage ends in said annular chamber, said nozzle construction being such that oil is mixed with air and such mixture is rotated in said annular chamber and in flowing from said annular chamber into said passages such mixture breaks over the edges of said passages and changes directions, and such mixture further breaks over the edge of said orifice and changes direction in passing from said tip chamber through said orifice.

2,568,879

OIL BURNER NOZZLE

Howard E. Earl, Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan

Application March 17, 1948, Serial No. 15,411
2 Claims. (Cl. 299—120)



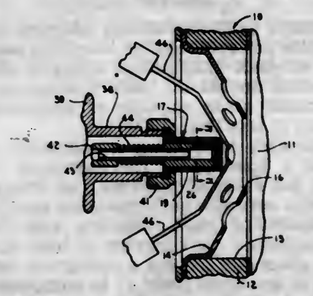
1. An oil burner nozzle comprising an outer tubular body having a circular sharp edged orifice formed coaxially therewith at the front end thereof, an inner tubular body within said outer body and having a front end formed to provide an annular seat disposed in engagement with said outer body and being spaced from said outer body on opposite sides of said seat to provide a tip chamber communicating with said orifice and an annular mixing chamber separated from said tip chamber by said seat, said front end of said inner tubular body having a conical tip projecting toward said orifice and concentrically with respect thereto, one of said bodies being formed to provide a plurality of passages across said seat between said mixing chamber and said tip chamber, said passages being formed in similarly sloped relation and being disposed in directions eccentrically of said mixing chamber and said tip chamber with the opposite ends of said passages terminating in each of said chambers in directions tangently related to said chambers so as to induce a unidirectional rotation of fluid in said mixing chamber and in said tip chamber, said inner body on the side of said annular chamber remote from said annular seat being formed to provide a plurality of plane surfaces extending toward the inner wall of said outer body, said inner body between the adjacent extremities of said plane surfaces being formed to provide seats engaging the interior of said outer body for dividing the space between said inner and outer bodies into a plurality of longitudinally disposed air supply and mixing channels communicating at their forward ends with said annular chamber and through which air supply and mixing channels air under pressure is supplied to said mixing chamber, a plurality of spaced oil supply ports extending between the interior of said inner tubular body and said air supply and mixing channels and through which oil supply ports oil under pressure is supplied to said channels, the outer ends of said ports forming relatively sharp edges across said channels facing the direction of flow of fluid in said channels toward said annular chamber, said sharp edges being positioned between the opposite ends of said channels and in advance of said passage ends in said annular chamber, said oil supply ports discharging jets of oil into said air flowing through said air supply and mixing channels, said nozzle construction being such that oil is mixed with air in said air supply and mixing channels and such mixture is rotated in said annular chamber and in flowing from said annular chamber into said passages such mixture breaks over the edges of said passages and changes directions, and such mixture further breaks over the edge of said orifice and changes direction in passing from said tip chamber through said orifice.

2,568,880

OIL BURNER NOZZLE

Cecil R. Waldron, Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan

Application April 21, 1948, Serial No. 22,879
3 Claims. (Cl. 299—120)



1. An oil burner nozzle comprising an outer tubular body having a circular sharp edged orifice formed coaxially therewith at the front end thereof, an inner tubular body within said outer body and having a front end formed to provide an annular seat disposed in engagement with said outer body and being spaced from said outer body at the front side of said seat to provide a tip chamber communicating with said orifice, said front end of said inner tubular body having a conical tip disposed within said tip chamber and projecting toward said orifice concentrically with respect thereto, said inner body on the side of said annular seat remote from said tip chamber being formed to provide a plurality of seats en-

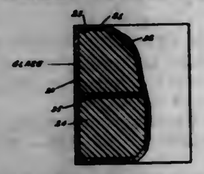
gaging the interior of said outer body and a plurality of longitudinally disposed air supply and mixing chambers between said seats, one of said bodies being formed to provide a plurality of passages across said annular seat extending between said air supply and mixing chambers and said tip chamber, said passages being of less cross-sectional area than said air supply and mixing chambers and being formed in sloped relation to said air supply and mixing chambers and said tip chamber with the forward ends of said passages terminating within said tip chamber and the rearward ends thereof terminating in said air supply and mixing chambers, said passages being disposed in directions eccentrically of said tip chamber so that said passage ends open into said tip chamber in a direction for inducing the rotation of fluid in said tip chamber, a plurality of spaced oil supply ports extending between the interior of said inner tubular body and said air supply and mixing chambers and through which oil supply ports oil is supplied to said mixing chambers, the outer ends of said ports forming relatively sharp edges across said latter chambers facing the direction of flow of fluid in said latter chambers, said air supply and mixing chambers supplying air for mixture with the oil supplied through said oil supply ports.

2,568,881

CERAMIC PARTS FOR ELECTRICAL DEVICES HAVING MAGNETIC PROPERTIES AND METHOD OF MAKING

Ernst Albers-Schoenberg, Metuchen, N. J., assignor to Steatite Research Corporation, Keasbey, N. J., a corporation of Delaware

Application December 28, 1948, Serial No. 67,751
7 Claims. (Cl. 154—128)



2. A ceramic body containing at least one section of ferrite material and at least one section of a molded ceramic insulating material the said sections being united at their contacting areas with a ceramic glaze capable of maturing at a temperature of less than 1000° C.

4. The process of making a composite article adapted as a base plate for electrical circuits comprising the steps of molding and firing a ferrite magnetic ceramic part, molding and firing a ceramic insulating part, molding and firing a ceramic insulating part having a high K-value, applying a glaze slip having a maturing temperature which is less than 1000° C. to complementary areas of the fired ceramic parts, placing the parts together in the shape of the desired finished article, clamping the parts together and drying and firing the article at the maturing temperature of said glaze to unite the parts.

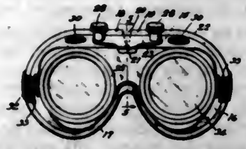
2,568,882

ADJUSTABLE FRAME

Marshall N. Anderson, Chicago, Ill., assignor to Sellstrom Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 20, 1946, Serial No. 663,701
11 Claims. (Cl. 2—14)

1. Goggles made of substantially rigid self-supporting but somewhat flexible material comprising substantially vertically disposed temple and unitary flexible frontal portions, the latter having eye openings therein, and a substantially horizontally disposed brow-contacting bridge portion integrally connected with said temple and frontal portions, said bridge portion being subdivided into at least two sections by a transverse horizontal slot terminating at said frontal portion thereby permitting relative movement



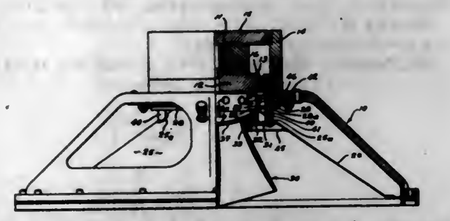
between the resulting sections of the bridge portion and also permitting a flexing movement of the frontal portion; a flexible transparent eye shielding lens member mounted on said frontal portion and subtending said eye openings, and a removable plate bridging said slot and adjustably secured, respectively, to at least two sections of said bridge portion and also provided with a projection overlying the upper edge of said lens-member to aid in maintaining it in place.

2,568,883

LOUD-SPEAKER WITH EXPANDING HORN UNIT

George L. Carrington, Encino, Calif., assignor to Altec Lansing Corporation, Los Angeles, Calif., a corporation of Delaware

Application March 24, 1947, Serial No. 736,636
2 Claims. (Cl. 181—31)



1. In a speaker of the character described, a single voice coil element of tubular form including a single voice coil adapted to operate in an annular magnetic gap and the element having an outer end beyond the gap, a relatively small and a relatively large diaphragm actuated by the voice coil element, the relatively small diaphragm consisting solely of a rigid dome having an outward convex radiating face of substantially the same diameter as the tubular voice coil element and having its peripheral edge directly and rigidly mounted on the outer end of that element, and the larger diaphragm consisting solely of a relatively flexible annular cone with an outer radiating face directly open to free space, said annular cone coaxially surrounding the tubular voice coil element and the rigid diaphragm and having its inner periphery directly and rigidly attached to the outer end portion of the tubular voice coil element, all whereby the smaller rigid diaphragm and the inner peripheral edge of the cone diaphragm are vibrated together at all frequencies as a rigid unit with the voice coil, and an outer fixed casing structure behind and surrounding the larger cone diaphragm, an expanding horn unit supported with its open intake end in close juxtaposition to and outward of the outer radiating face of the smaller rigid diaphragm, and supporting means for the horn unit comprising

mounting studs located outside the voice coil element and extending generally parallel to the axis of that element freely through openings provided in the cone diaphragm, the inner ends of said studs being rigidly mounted on the casing structure behind the cone diaphragm and the outer ends, outward of the cone diaphragm, rigidly carrying the horn unit.

2,568,884

SHOE CONSTRUCTION AND METHOD OF MAKING SAME

Joseph A. Ciaio, Corona, N. Y., assignor to Snap-It, Snug-Fit Shoe Machinery Co., Inc., a corporation of Delaware

Application February 16, 1949, Serial No. 76,795
4 Claims. (Cl. 154—127)



1. The shoe making process of the character described comprising the steps of fastening a pair of outer layers of shoe material to an inner layer of foraminous material along all their respective edges, thus forming a multi-ply construction having a closed pocket between the layers, then injecting a plastic solution into said pocket and then pressing said construction uniformly to provide a uniform distribution of said injected plastic solution and to cause said plastic solution to enter all of the openings of said foraminous material and the pores of said outer layers.

2,568,885

MANUFACTURE OF HIGH POLYMERIC COMPOUNDS FROM N,N'-DICARBOPHENOXY-2,4-DIAMINO TOLUENE AND HEXAMETHYLENE GLYCOL

Henry Dreyfus, deceased, late of London, England, by Claude Bonard, administrator, London, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 25, 1947, Serial No. 782,213. In Great Britain January 23, 1939

1 Claim. (Cl. 260—77.5)

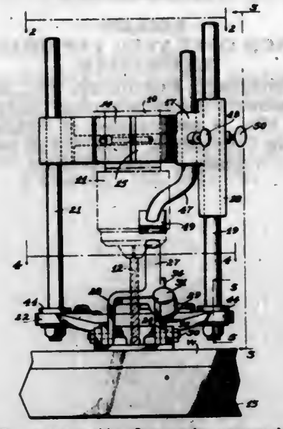
Process for the production of polymers which comprises heating together 362 parts by weight of N,N'-dicarbophenoxy-2,4-diamino toluene with 118 parts of hexamethylene glycol under nitrogen for 3 hours at 180° C., distilling off the phenol which is formed, heating the product further at 2 hours at a temperature of 225 to 230° C., dissolving the polymer in hot formic acid and precipitating the polymer from the formic acid solution with acetone.

2,568,886

DRILL PRESS ATTACHMENT

Joseph W. Fried, Los Angeles, Calif.

Application June 16, 1947, Serial No. 754,879
2 Claims. (Cl. 77—55)



1. A drill press attachment comprising supporting means attachable to a drill press quill so as to be raised and lowered therewith, a presser foot mounted thereon for adjustment relatively thereto, an indicator movably mounted on the supporting means toward and away from the presser foot adapted to assume a position beneath the axis of a drill mounted on the drill press or a position remote therefrom, means urging the indicator to its position beneath the axis of the drill, retracting means for retracting the indicator into its remote position, and means adjustably mounted on the supporting means for actuating the retracting means as the quill advances the drill toward the presser foot.

2,568,887

WRENCH OPERATED TAP CHANGER MECHANISM

Frank E. Grommes, Pittsburgh, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

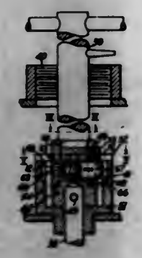
Application June 28, 1949, Serial No. 101,877
11 Claims. (Cl. 74—548)



1. In a switch operating mechanism, the combination of an operating shaft, a wrench having a socket portion cooperative with said shaft for rotating said shaft, and means interlocking said shaft and said wrench, said means including an opening in said wrench, a spring biased pin retained within said shaft, and a fixed collar having a cam surface, one end of said pin bearing against said cam surface of said collar, whereby movement of said pin with respect to said cam

surface in response to movement of said shaft into a given position causes said pin to penetrate said opening in said wrench to interlock said wrench and said shaft.

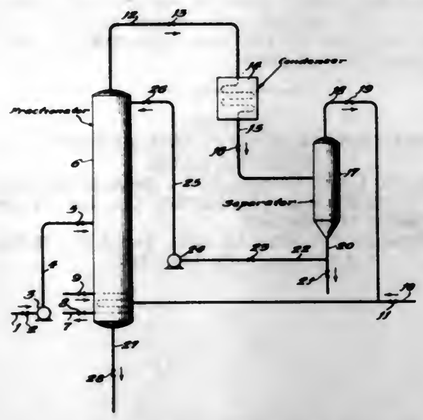
2,568,888
WRENCH OPERATED TAP CHANGER MECHANISM
Paul A. Unverzagt, Pittsburgh, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 3, 1950, Serial No. 142,336
7 Claims. (Cl. 74—548)



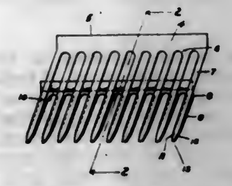
1. A switch operating mechanism including an operating shaft having a plurality of selective positions, a wrench defining a socket portion cooperative with one end of said shaft for rotating said shaft, said socket portion engageable with and disengageable from said shaft at any of said selective positions, the external surface of said socket portion having a plurality of lugs thereon, and protective means for preventing improper operation of the switch operating mechanism including means to interlock said shaft with said wrench, said interlock means including said lugs and a fixed member cooperable with one of said lugs of said socket portion to provide means for guiding said socket portion into cooperable engagement with said operating shaft when said operating mechanism is in any of said selective positions, said member having a first surface cooperable with another of said lugs of said socket when the operating mechanism is in an extreme said selective position to prevent movement of said operating mechanism beyond said extreme selective position, said member having a second surface cooperable with said one of said lugs of said socket portion when said operating mechanism is in positions intermediate said selective positions to prevent removal of said wrench from engagement with said shaft.

2,568,889
METHOD FOR CONCENTRATING HYDROGEN FLUORIDE
Olaf M. Hansen, Chicago, and Carl B. Linn, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 27, 1947, Serial No. 731,398
2 Claims. (Cl. 202—57)

1. A process for recovering hydrogen fluoride from a solution consisting essentially of hydrogen fluoride and water, which comprises distilling said solution in a distilling zone while introducing a stream of substantially anhydrous hydrogen chloride, maintaining said zone at conditions of temperature and pressure to cause the discharge therefrom of a relatively dry vaporous mixture of hydrogen fluoride and hydrogen chloride, cooling said mixture to liquefy the hydrogen fluoride, and separating the liquefied hydrogen fluoride from the hydrogen chloride.



2,568,890
HAIR PUFFING COMB DEVICE
Ruth G. Horowitz, Detroit, Mich.
Application November 29, 1948, Serial No. 62,553
3 Claims. (Cl. 132—24)

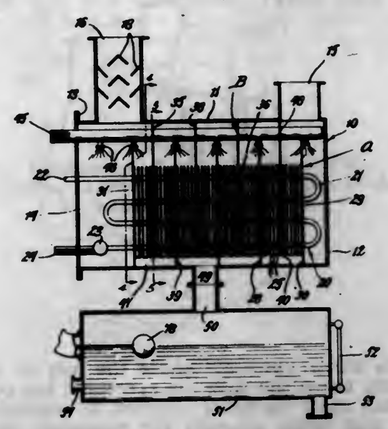


1. A comb for effecting a puffed up appearance to the hair comprising a body strip having one edge thereof provided with a plurality of resilient teeth laterally extending therefrom, a second body strip having one edge thereof provided with a plurality of teeth laterally extending therefrom and corresponding in number to the teeth of the first body strip but being longitudinally of lesser dimension than the teeth of the first body strip, said second body strip being disposed behind the teeth of the first body strip, said teeth of said first body strip having each terminal thereof secured to the terminals of the teeth of said second body strip for providing common tooth points for said comb, and means carried by said comb for securing the first body strip to the second body strip for raising the teeth of the first body strip away from the teeth of the second body strip into an arcuate position.

2,568,891
HEAT EXCHANGE APPARATUS
Walter Kals, New York, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York
Application October 26, 1945, Serial No. 624,841
5 Claims. (Cl. 261—11)

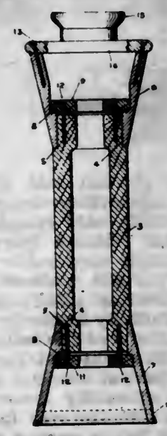
1. In apparatus for cooling and dehumidifying gas under substantially higher than atmospheric

pressure, a pressure-tight shell having an inlet at one end for gas under pressure and an outlet for said gas at its opposite end, a cooling coil arranged in a said shell and having an inlet and an outlet extending through said shell, fins fast to said cooling coil and forming an extended surface thereon, baffles in said shell each closely fitting the greater part of the internal cross sectional area of said shell, said baffles being alternately provided with apertures on opposite sides of said shell to deflect the gas to pass back and



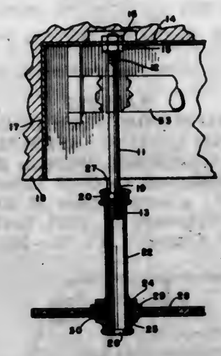
forth a plurality of times across said cooling coil and parallel with the fins thereof, a spray pipe extending through said shell above said cooling coil and through apertures in said baffles and supplied with an antifreeze liquid, downwardly directed nozzles on said spray pipe discharging said liquid against said fins to prevent frosting thereof, an outlet for the spray liquid in the bottom of the shell and means for recirculating the spray liquid from said spray liquid outlet through said nozzles.

2,568,892
YARN PACKAGE SUPPORT
Albert W. Keight, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application November 2, 1946, Serial No. 707,432
5 Claims. (Cl. 242—124)



1. A yarn package support comprising a barrel having reduced ends, a skirt seated in each of said reduced ends, said skirts being cone-shaped and flaring outwardly in a direction away from said ends of said barrel, a projection on the inside of each of said skirts, and means including an annular disc seated on said projection for holding each of said skirts on said barrel.

2,568,893
EXTENSIBLE MEMBER FOR ADJUSTABLY ATTACHING A LIGHT DIFFUSER TO A LIGHTING
Josef Krauthamer, New York, N. Y.
Application August 19, 1947, Serial No. 769,408
2 Claims. (Cl. 240—78)

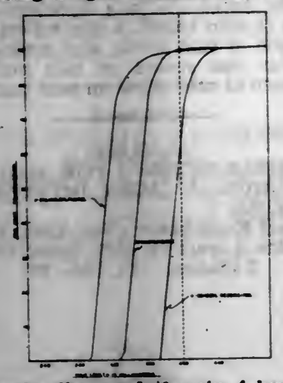


1. In a ceiling light fixture comprising an open end light box recessed within a ceiling structure, a light unit within the light box, a multiplicity of supporting members secured within the light box, the lower ends of the supporting members extending below the open edges of the light box, the supporting members comprising stem-like hangers having their upper ends secured to the light box, their lower ends broadened to form a shoulder and a threaded portion upon the broadened end, tubular carrier members externally threaded at both ends and slidably engaging over the stem-like hangers, orificed caps threaded upon the upper ends of the tubular carrier members, engaging over the stem-like hangers and contacting the shoulder formed thereon to limit the downward movement of the tubular carrier, a light diffusing plate having orifices therein engaging over the lower threaded ends of the tubular carriers, orificed internally threaded members engaging the lower threaded ends of the tubular carriers to hold the diffusing plate upon the tubular carriers and supporting nuts having a threaded bore engageable with the threaded broadened ends of the stem-like hangers adapted to hold the tubular carrier members and their attached light diffusing plate in raised position.

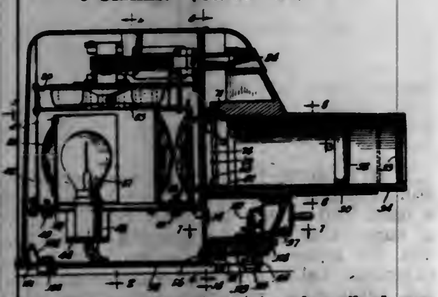
2,568,894
4-BENZOYLRESORCINOL AS AN ULTRAVIOLET ABSORBENT
E. Scudder Mackey, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application September 15, 1949, Serial No. 115,950
6 Claims. (Cl. 252—301.2)

1. An ultraviolet absorbing composition of mat-

ter comprising a light-transmitting carrier having uniformly dispersed therein 4-benzoylresorcinol.



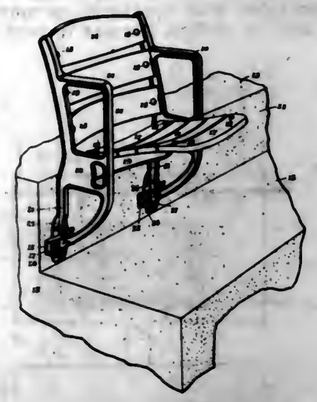
2,568,895
SLIDE PROJECTOR WITH COOLING FAN AND MOTOR ASSEMBLY
Archie J. McMaster and William H. Kitto, Chicago, Ill., assignors to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 11, 1948, Serial No. 7,636
9 Claims. (Cl. 88—24)



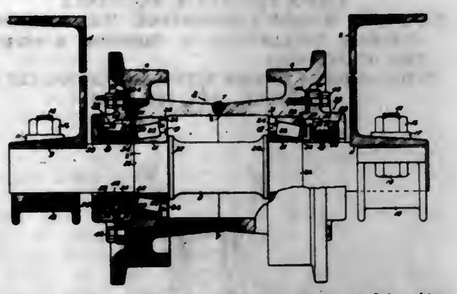
1. A projector of the character described comprising adjoining rear and front housings, the latter having a tubular portion, a lens tube adjustably disposed in said tubular housing portion, a fan and motor assembly supported within the rear housing at the top thereof and including a fan chamber communicating with the interior of the rear housing, an optical sub-assembly supported within the rear housing, and including aligned projection lamp, mirror reflector and condenser lenses, and slide carrier means between the front and rear housings in alignment with the optical sub-assembly, the rear housing having air discharge vents near the top thereof in communication with the fan chamber, and the rear housing being otherwise substantially closed, so that air is forced by the fan and motor assembly to enter around a slide supported in said slide carrier means, and into contact with the condenser lenses.

2,568,896
RISER TYPE STADIUM CHAIR
Erving B. Morgan and Royce W. Clay, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 20, 1947, Serial No. 755,822
4 Claims. (Cl. 155—78)

2. A chair adapted for installation on a riser having a forwardly projecting bolt, said chair being provided with a depending leg having a lug portion provided with a bolt-receiving aperture and having abutments above and below said lug portion which extend rearwardly beyond said lug portion; a shim comprising an effective body portion together with means for associating the shim with said bolt between the leg and the riser so that the effective body portion of the shim extends either upwardly above the bolt or downwardly below the bolt, the apertured lug portion of said chair leg being adapted to embrace said bolt and being adapted for mounting thereon with one of said abutments abutting the riser and with the other of said abutments abutting the effective body portion of the shim by means of a nut threaded on the outer end of said bolt.

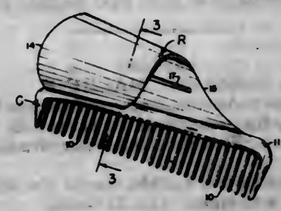


2,568,897
SHAFT SEAL
Emil F. Norelius, Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 23, 1947, Serial No. 781,541
4 Claims. (Cl. 286—11)



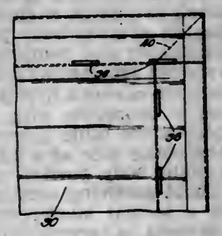
4. In an axial contact seal, the combination of, an annular supporting structure, a sealing ring mounted within said supporting structure in axially movable relation thereto and having a front face sealingly cooperable with a complementary sealing surface, a sleeve part of rubber like material extending axially of said supporting structure in radially inwardly spaced relation to the inner periphery of the latter, a first flange part of rubber like material formed integrally with said sleeve part at one end thereof and extending radially outwardly therefrom in axially abutting relation with the rear face of said sealing ring, a second flange part of rubber like material formed integrally with said sleeve part at the other end thereof and extending radially outwardly therefrom, a tubular member extending axially into said sleeve part from said other end thereof and having a third flange part in radially overlapping and axially abutting relation with the axially outer face of said second flange part, means connected with said supporting structure and cooperable with said tubular member for positioning said tubular member radially on and preventing axial outward displacement of said tubular member relative to said supporting structure, and spring means operatively interposed between said first and second flange parts for urging said first flange part axially against said rear face of said sealing ring, and for urging said second flange part axially against said third flange part.

2,568,898
FINGER COMB
Fay Phillips and Ren Lay, Denver, Colo.
Application January 3, 1950, Serial No. 136,554
8 Claims. (Cl. 132—11)



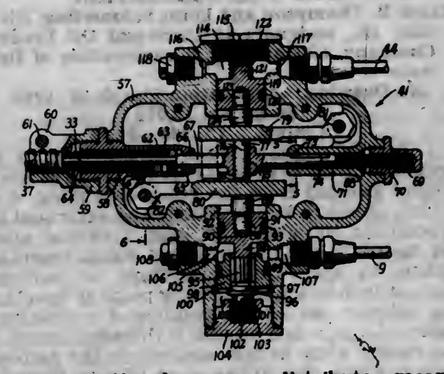
1. A finger comb comprising a comb element having a base and a plurality of longitudinally aligned teeth secured to the base; and a ring-like member attached to said comb element and extending in generally annular relation from said base on the side opposite said teeth, said ring-like member forming a split band attached at one edge to said base and circling around to a point spaced from said base but adjacent said point of attachment, said band decreasing in radius from the rear toward the front thereof and at least the front edge of said band having a generally helical contour corresponding to a helix extending rearwardly with respect to an axis parallel to said base.

2,568,899
FRAME
Walter Rambow, Chicago, Ill.
Application July 21, 1949, Serial No. 105,961
6 Claims. (Cl. 40—154)



1. A side piece for a frame comprising a base piece, a fastening strip secured to the base piece and having one edge free of the base piece to form therewith a slot, a strip of bendable material having one longitudinal edge connected to the base piece, a first longitudinal score line in the bendable strip adjacent said longitudinal edge, a second longitudinal score line in the bendable strip adjacent the other edge of the bendable strip, and a third longitudinal score line in the bendable strip intermediate the first and second score lines, said score lines being parallel to the first mentioned edge of the bendable strip, said bendable strip being adapted to be folded over the base piece and along said score lines with the portion of the bendable strip between the longitudinal edge and the first score line forming an outer side upstanding from the base piece, with the portion of the bendable strip between the first and the third score lines forming a face, with the portion of the bendable strip between the second score line and the third score line forming an inner side substantially parallel to and spaced from the outer side, and with the portion of the material between the second score line and said other edge being adapted to be inserted and frictionally held in said slot.

2,568,900
PROPORTIONAL PRESSURE DISTRIBUTOR VALVE
Edward A. Rockwell, Cleveland, Ohio
Application June 9, 1944, Serial No. 539,583
8 Claims. (Cl. 137—153)

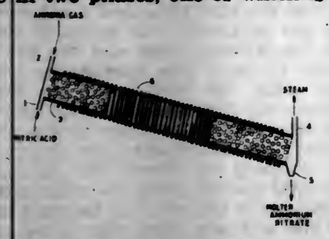


3. A proportional pressure distributor means having a source of supply thereto of a controlling hydraulic pressure liquid, including a chamber receiving a hydraulic liquid, adapted to be controlled at will, a delivery passage for work performance having a connection provided with a delivery and return valve leading to said chamber for delivering and returning to said chamber a controlled hydraulic liquid, and an adjusting means in said connection for adjusting the delivered pressures, adapted to maintain a constant differential of said pressures with regard to the received hydraulic liquid throughout the range of said controlling hydraulic pressure, the delivered adjusted hydraulic pressures being reactive against the controlling hydraulic pressure.

2,568,901
PROCESS FOR PRODUCING AMMONIUM NITRATE
Leonard A. Stengel, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
Application May 3, 1947, Serial No. 745,729
5 Claims. (Cl. 23—103)

1. A one-step process for producing ammonium nitrate containing regulated amounts of water, which comprises continuously reacting, at a temperature of from about 160° to 300° C., ammonia vapors with nitric acid in a reaction zone which is filled with inert packing materials serving to increase the surface contact area and which is free to drain at its lower end so that the zone is maintained substantially free from

liquid reaction products, and removing reaction products from said reaction zone as rapidly as possible in two phases, one of which is substantially steam and the other of which is a molten ammonium nitrate the water content of which depends upon the temperature of the reaction zone.



2,568,902

BETA THIOETHYL SUBSTITUTED CARBONYL COMPOUNDS AS MODIFIERS IN ETHYLENE POLYMERIZATION

Ralph B. Thompson and Louis Schmerling, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 30, 1948, Serial No. 18,074
8 Claims. (Cl. 260—94.9)

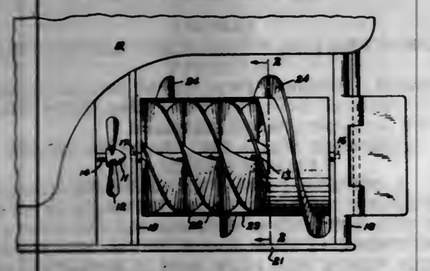
1. In the polymerization of ethylene in the presence of an organic peroxide catalyst and a diluent selected from the group consisting of alcohols, aromatic hydrocarbons and saturated hydrocarbons containing at least 3 carbon atoms per molecule, the improvement which comprises adding to the reaction mixture, in sufficient amount to increase the melting point of the ethylene polymer, an organic compound containing a carbonyl group and having a thioethyl group on the carbon atom in beta position to the carbonyl carbon atom, the sulfur atom of said thioethyl group being attached directly to the beta carbon atom, and subjecting the mixture to polymerization under a pressure of from about 15 to about 500 atmospheres and at a temperature at least as high as the decomposition temperature of said catalyst.

2,568,903

PROPELLER CONSTRUCTION FOR WATERCRAFT

Archie W. Vassar, San Mateo, Calif., assignor of one-fourth to J. Irvin Dowell, Chillicothe, Mo., and one-fourth to De Witt E. Brydges, Lincoln, Nebr.

Application July 2, 1949, Serial No. 102,838
3 Claims. (Cl. 115—34)



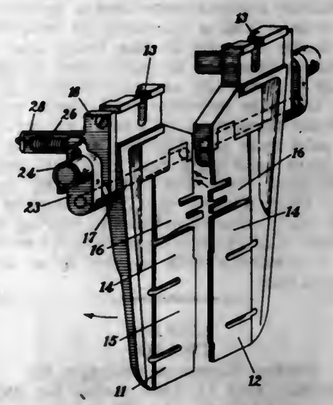
1. A water craft comprising, a hull, a primary propeller extending rearwardly from said hull, a frame depending from said hull rearwardly from said primary propeller, journal bearings in said frame, and a secondary propeller supported by said frame and journalled in said bearings, said secondary propeller being mounted immediately rearwardly of and independently of said primary propeller, said secondary propeller comprising, an elongated, cylindrical, hollow casing having its axis of rotation substantially aligned with the axis of rotation of said primary propeller, the inner diameter of said secondary propeller being substantially greater than twice the radius of the blades of said primary propeller, whereby to receive substantially all of the surge of said primary propeller, a central shaft within said casing, a first helical, inclined blade interposed between said shaft and said casing and rigidly joining the two together, said first helical blade having a plurality of turns in a direction such that surge from said primary propeller causes said secondary propeller to revolve in the same direction as said primary propeller, and a second inclined helical blade disposed exteriorly of said casing and having a plurality of turns in the same direction as said first helical blade.

2,568,904

LABELING MACHINE

Richard Weber, Aurora, Ind., and James E. Grant, Louisville, Ky., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana

Application April 4, 1946, Serial No. 659,498
5 Claims. (Cl. 216—54)



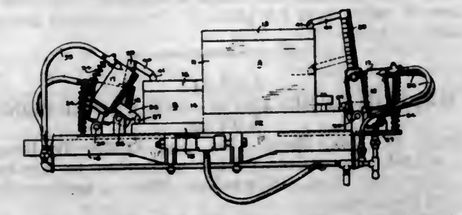
1. An assembly for use in a labeling machine for applying labels to a bottle or similar container of the type having a main body portion and a neck portion of smaller size, comprising: a picker including two spaced substantially flat-faced elements, each element having a first label-receiving section adapted to cooperate with a first label-receiving section on the other element to receive and support the bottle side of a label for application to the main body portion of the bottle, and a second label-receiving section adapted to cooperate with a second label-receiving section on the other element to receive and support the bottle side of a label for application to the neck portion of the bottle, means on said elements to mount said second sections in a common plane with said first sections and in a manner to be displaced forwardly of the first sections; means to move the picker from a label-receiving position to a label-applying position; means to cause the second sections to be displaced forwardly toward and adjacent the neck of the bottle when the picker is moved to a position to apply the label to the main body portion of the bottle.

2,568,905

CLAMPING MECHANISM FOR MOLDING APPARATUS

Raymond H. Wiehsner, Philadelphia, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 28, 1948, Serial No. 29,775
3 Claims. (Cl. 22—33)



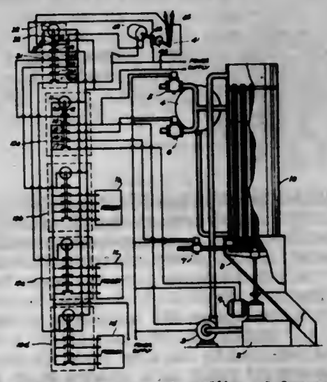
1. In a mold apparatus of the character described, a supporting table for a mold unit to be secured thereto, an elongated plate-like slide longitudinally shiftable substantially in the plane of the table, a fluid-pressure cylinder pivotally mounted upon said slide, a clamp arm carried by the cylinder for clamping engagement with a part of said mold unit, and a piston member slidably fitted in said cylinder and also pivotally mounted upon said slide, the pivot for the cylinder being external thereof and the pivot for the piston member being in alinement with the axis of the cylinder and both pivots being spaced longitudinally along said slide whereby upon fluid-pressure movement of said cylinder axially of its associated piston member the former rocks about its pivot substantially in a vertical plane extending longitudinally along said slide, and a guideway for said slide within which the latter is adapted to be frictionally locked upon fluid-pressure-actuation of the cylinder to effect clamping engagement of the clamp arm against a part of the mold unit.

2,568,906

TIMER

Jesse D. Williams, Jr., Shively, Ky., assignor to Henry Vogt Machine Company, Louisville, Ky., a corporation of Kentucky

Application June 9, 1948, Serial No. 32,019
8 Claims. (Cl. 161—1)



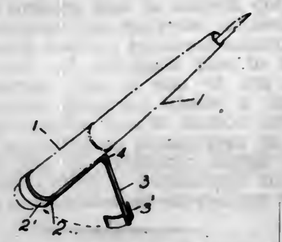
1. In combination: a plurality of freezer units, each having an operating cycle including a freezing phase and a thawing phase; a plurality of control means, each being adapted to govern the duration of the freezing and thawing phases of each freezer unit, respectively; self-limiting selector means for sequentially initiating operation of said control means; a resettable master timer for initiating operation of said selector means and including releasable power transmission means; said selector means including means operative upon energization of the selector means to deenergize the timer, release and reengage said power transmission means, and reenergize the timer.

2,568,907

CLIP FOR PENS AND PENCILS

Ossip S. Bernstein, New York, N. Y., assignor of one-half to Alice F. Arams, New York, N. Y.

Application August 21, 1947, Serial No. 769,861
2 Claims. (Cl. 120—108)



1. An attachment for writing utensils, such as pens, pencils, etc. consisting of an elastic clip adapted to hold writing utensils on pockets, etc., combined with supporting means adapted to hold the writing utensil in substantially upright position when laid aside, thereby forming a permanent combination of a clip and a stand, said attachment comprising an elastic support fastened at the top of the writing utensil and provided with a knob-like end; a bracket pivotally attached to said knob-like end, a semicircular support piece provided at the free end of said bracket, opposite said knob, said bracket covering said clip and said semicircular piece embracing that part of the writing utensil where the clip is fastened when the bracket is folded back against the clip part.

2,568,908

WEIGHT OPERATED CLIMBING TOY

Rudolph C. Blaich, Buffalo, and Joseph Alan Banzhaf, Kenmore, N. Y.

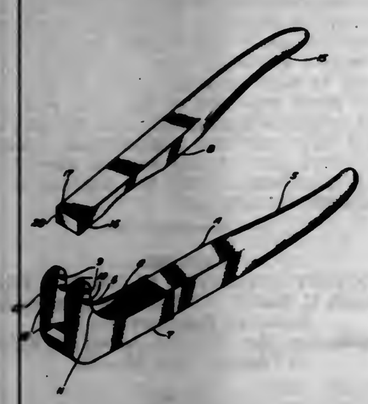
Application May 18, 1948, Serial No. 27,786
10 Claims. (Cl. 46—42)



1. A weight operated toy comprising a tubular column formed of an elongated strip curved into substantially cylindrical relation with side edges

terminating in opposed spaced relation, a base formed of a plate having a depending marginal flange attached to the lower extremity of said column at a plurality of positions supporting it in upstanding position and holding the strip in said substantially cylindrical relation; a plurality of leaves formed of strips having central portions, mounted on top of said column with opposite ends extending across the upper end of said column and outwardly in radial relation beyond said column to simulate a tree in cooperation with said column, a figure simulating carrier slidably mounted on said column on the side edges of said strip for movement between the upper and lower ends thereof, means concealed in said column for normally moving said carrier toward the top of said column, a plurality of weights, a magazine on the top portion of said column concealed by said leaves for carrying said weights, carrier actuated means mounted on said column adjacent one end of said magazine for discharging said weights one by one to said carrier from said magazine, a weight normally moving said carrier to the bottom of said column when engaged therein by overcoming operation of said carrier by said means concealed in said column, and means for discharging a weight from said carrier as it reaches the bottom of said column.

2,568,909
PIANO HAMMER PRESS
James K. Booth, Salt Lake City, Utah
Application December 20, 1947, Serial No. 792,921
1 Claim. (Cl. 81—5.1)



A piano striking hammer reforming tool comprising a handle and head having extended wing plates at the head end thereof and a concave area between the plates to receive the hammer head being reformed; notches in the edges of the wing plates; and a forming handle having extended lugs to fit in said notches in one end thereof, said handle having therein a concave area similar to, and facing that in the handle head.

2,568,910
FASTENING MEANS FOR GARMENTS, AND MORE PARTICULARLY DIAPERS
Jessie C. Condylis, Chicago, Ill.
Application October 7, 1949, Serial No. 120,111
8 Claims. (Cl. 128—284)

5. Fastening means for garments or the like, comprising a first part having a first button-hole therein, a second part having a limp end portion for passing through said first button-hole and having a second button-hole in the said end portion at least a portion of which passes through



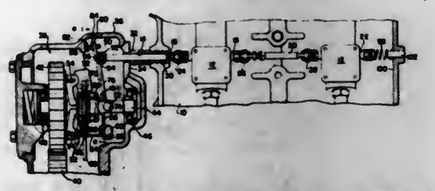
said first button-hole, and a member secured to one of said parts for passing through said second button-hole.

2,568,911
METHOD OF SEVERING AND END SEALING A TUBE
Irvin W. Cox, West Allis, and Lester D. Drugmand, Greenfield, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 4, 1948, Serial No. 42,384
1 Claim. (Cl. 29—148.2)



The method of severing and end sealing a tube which comprises closing said tube adjacent the severing point by applying a sustained constricting force thereon, then severing the tube, then end sealing the tube by establishing a welding arc between its end and the cutoff portion of the tube, and then terminating the constricting force applied to the tube.

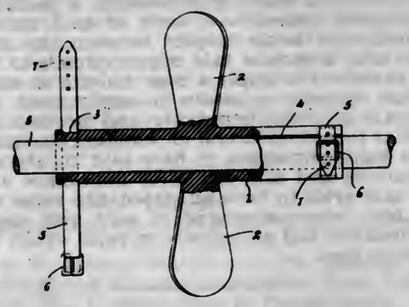
2,568,912
SPEED - RESPONSIVE FUEL - CONTROL MEANS FOR INTERNAL-COMBUSTION ENGINES
Wallace H. Du Shane, Waterloo, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application May 12, 1949, Serial No. 92,928
8 Claims. (Cl. 123—123)



1. Control mechanism for interrelating the adjustable fuel supply means and the speed-responsive means of an internal-combustion engine, comprising: a first lever; means including a main, fixed pivot axis for mounting the lever for swinging in opposite directions of speed decrease and speed increase under the influence of the speed-responsive means; a second lever articulately joined at one end to the first lever by means providing a second pivot axis spaced from and generally parallel to the main pivot, said second lever extending from the first lever generally as an elongation of said first lever and having a free end spaced from the second pivot so that said second pivot is intermediate said free end and the main pivot, said second lever further including

means intermediate said free end and said second pivot providing for engagement of the second lever with the fuel supply means to effect adjustment of said fuel supply means in response to movement of said second lever; means yieldably rigidifying the articulate connection between the levers so that the two may swing as one about the main pivot in opposite directions to incur fuel increase and fuel decrease respectively in response to speed decrease and speed increase; and means engageable with the free end of the second lever, upon movement of said levers as one in the direction of fuel increase, to establish a temporary fuel increase limit at a predtermined point below available fuel increase, and to thereby incur yielding of the rigidifying means for effecting articulation of the levers about the second pivot so that the first lever may continue to swing about the main pivot in the direction of speed decrease and will incur swinging of the second lever, about the limit means as a fulcrum, further in the direction of fuel increase beyond said predetermined point.

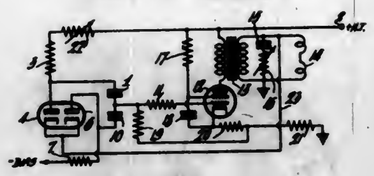
2,568,913
DETACHABLE FAN HUB AND BLADES STRUCTURE
Khattar Ead, Brooklyn, N. Y.
Application May 3, 1949, Serial No. 91,055
2 Claims. (Cl. 170—173)



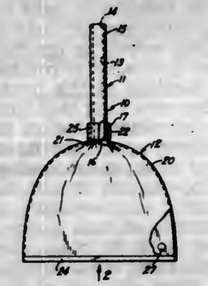
1. A detachable fan hub and blades structure comprising a cylindrical longitudinal body of resilient material having an open longitudinal section which extends over its entire length and being provided at its outer side with annular grooves, fan blades made as a unit with said body radiating from a portion thereof which is located between said grooves, and straps engaging said grooves and being adapted for firmly securing said body to a shaft.

2,568,914
ELECTRICAL INTEGRATING CIRCUITS
Charles Leslie Faudell, Wexham Street, near Stoke Poges, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application February 20, 1947, Serial No. 729,682
In Great Britain February 23, 1946
11 Claims. (Cl. 250—36)

1. In an electrical circuit, the combination of a storage device having at least two terminals, a first and second unilaterally conductive discharge path, each having associated therewith an anode and a cathode, connections placing each discharge path in series conductive opposition with one another to form a combination, means connecting said combination in shunt with said storage device, means for storing energy in said storage device, and means for applying conduction control signals to the anode-cathode circuits of said first and second discharge paths.

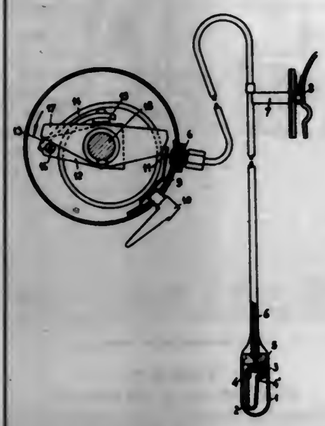


2,568,915
DISPOSABLE SYRINGE
William Friedman, Los Angeles, Calif.
Application April 19, 1949, Serial No. 88,291
7 Claims. (Cl. 128—251)



1. As an article of manufacture, a single-use sanitary vaginal syringe comprising: a tubular neck providing inner and outer end portions and a longitudinal passage extending completely therethrough from end to end, said passage providing an open filling-discharge orifice at said outer end portion and an open inner orifice at said inner end portion; and a completely collapsed membranous sack formed of thin flexible but substantially nonstretchable material and providing a hinge portion permanently attached to said inner end portion of said tubular neck and communicating with said open inner orifice, said sack being distendable into container form of predetermined volume by filling with water, said filling-discharge orifice and said longitudinal passage forming the sole communication with the interior of said sack and comprising the sole means whereby said sack may be distended and filled with water, said water being expellable through said longitudinal passage and said filling-discharge orifice by manual pressure applied exteriorly of said sack, said hinge portion permitting said sack to swing at any angle relative to said neck, while still permitting said water to be thus expelled, said sack being formed of such thin collapsible material as to be void of any natural distended shape thereby preventing any indrawing of such expelled water into said sack upon release of said manual pressure.

2,568,916
THERMOSTATIC DEVICE FOR CONTROLLING HEATING APPARATUS
Johan Godefroy, Overveen, Netherlands
Application December 26, 1947, Serial No. 793,812
In the Netherlands April 3, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 3, 1966
7 Claims. (Cl. 74—2)



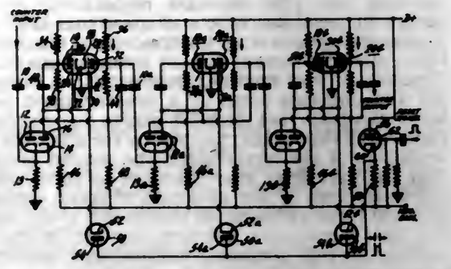
1. A thermostatic device for controlling heating apparatus, comprising a hollow thermo-conductive bulb, an element in said bulb movable in response to application of heat thereto, movement translating means in operative connection with said element, means for rotatably controlling the operative position of the heating apparatus, motor means for returning said controlling means to a normal inoperative position having a source of energy activated upon turning of said controlling means, said motor means being in part rotatable with said controlling means, means for holding said source in a potentially operative state for a given position of said motor means, means for associating said holding means and said movement translating means, whereby upon application of a given amount of heat to said element said holding means releases said motor means and the controlling means is turned to close the heating apparatus, and means for adjusting said holding means, whereby the temperature at which a release of said motor means takes place may be controlled.

2,568,917
METHOD OF SEALING OPENINGS IN SHELL EGGS
Peter Gray, Pittsburgh, Pa., assignor to Milrose Foods Company, Pittsburgh, Pa., a partnership
Application December 29, 1949, Serial No. 135,792
6 Claims. (Cl. 99—113)



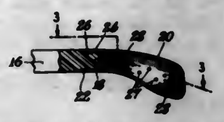
1. A method of sealing a small opening through the shell and the membrane in contact therewith of a shell egg, comprising applying a water-soluble cementitious compound in dry, powdered form to the opening, whereby a plug is formed in the opening by the hardening action of moisture within the egg on the compound in the opening.

2,568,918
RESET CIRCUIT FOR ELECTRONIC COUNTERS
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 25, 1950, Serial No. 146,354
4 Claims. (Cl. 250—27)



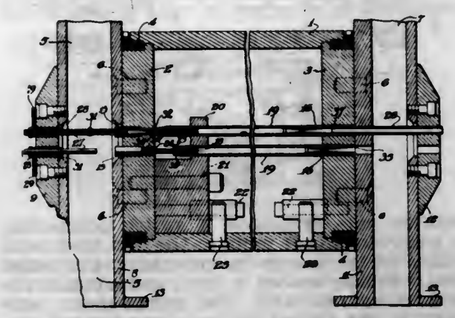
1. A circuit for resetting a chain of trigger circuits of the type wherein each trigger circuit has two stable conditions, one of which is a starting condition, an electron discharge tube having a grid electrode to which a voltage pulse is applied to reset said trigger circuit to its starting condition, and an impedance for coupling said grid electrode to a point of fixed potential, said reset circuit comprising an impedance the value of which is low when compared with the value of said grid coupling impedance, a plurality of unilateral impedances, each of said unilateral impedances being coupled between the grid of the tube in each of said trigger circuits to which it is desired to apply a reset pulse and said low value impedance, means to apply reset pulses to said low value impedance, and means to apply a bias to said unilateral impedances through said low value impedance to have said unilateral impedances and said low value impedance appear to said grids to have an impedance value which is high when compared to said grid coupling impedance and an impedance value which is low during reset.

2,568,919
SPECTACLES WITH PERFUME DISPENSER
Maxwell M. Kaye, Newark, N. J.
Application June 22, 1949, Serial No. 100,582
6 Claims. (Cl. 88—52)



1. In a temple for a pair of spectacle frames including a portion positioned adjacent the eye of the wearer and a portion adapted to lie behind the ear of the wearer, a part of the temple positioned at the ear and thereof being hollowed, an absorbent material positioned within the hollow at the said end of the temple, said absorbent material being adapted to be moistened with perfume, said hollowed temple end being apertured on the side adjacent the head of the wearer whereby the perfume may escape towards the head of the wearer, said hollowed temple end being positioned with its apertured side against the head of the wearer in normal use whereby the warmth of the wearer's head serves to volatilize and dispense the perfume and the perfume contacts the skin of the wearer to completely develop the full aroma thereof.

2,568,920
APPARATUS FOR TREATING SHAPED ARTICLES WITH FLUIDS
William Thomas Reed Kinraide, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 21, 1949, Serial No. 88,789
8 Claims. (Cl. 68—5)



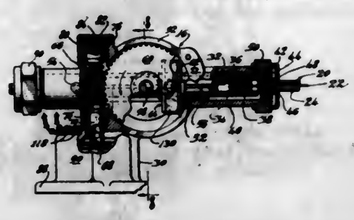
1. Apparatus for directing a shaped article through a fluid containing vessel comprising a tubular inlet mounted in one end of said vessel and having an extension within said vessel; a tubular cell passage mounted within said vessel to be slideably superimposed over said extension with a small space between said cell passage and said extension; an outlet at the other end of said vessel cooperating with said inlet and said cell passage to exhaust fluid passing therethrough; means for keeping said cell passage in said vessel and means for controlling the flow of said fluid into said cell passage.

2,568,921
COMBUSTION CHAMBER WITH ROTATING FUEL NOZZLES
Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 27, 1948, Serial No. 23,589
4 Claims. (Cl. 60—39.74)



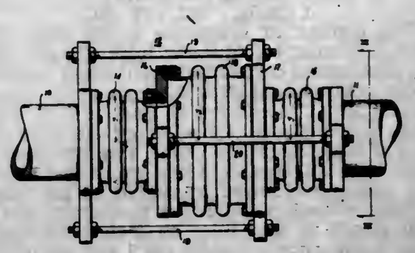
1. Fuel combustion apparatus comprising a casing forming an annular passageway adapted to accommodate flow of air under pressure, an axially disposed rotary shaft journaled in said casing, an annular structure forming a combustion chamber supported concentrically in said passageway, said structure having a lateral annular entryway formed in the upstream end thereof and communicating with said passageway, rotary fuel impeller means carried on said shaft and adapted to extend radially through said entryway into said combustion chamber, nozzles carried on said impeller means for directing fuel downstream in said combustion chamber, said nozzles being inclined inwardly at an angle with respect to the rotational axis of said impeller means, and means including radial communications in said impeller means for supplying fuel under centrifugal pressure for atomization by way of said nozzles.

2,568,922
WINDSHIELD WIPER
Homer F. Malone, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application May 2, 1945, Serial No. 591,467
10 Claims. (Cl. 15—253)



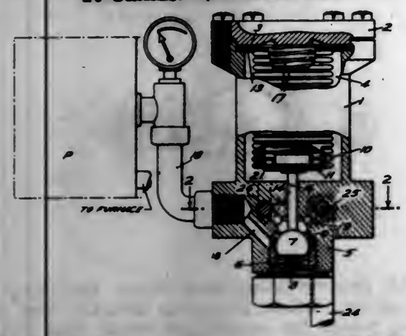
1. An electric windshield wiper, including in combination, means including Bowden wire actuating means for moving the wiper, and means including a motor rotatable in one direction and means actuated thereby for translating uni-directional rotary to reciprocating motion for moving said Bowden wire, said motion translating means including a crank pin rotated by the motor, a channel member having a hollow projecting portion and slidably receiving said crank pin, a generally cylindrical elongated driving member secured to the wire and in slidable engagement with said channel member, and clutch means including a clutch member in the hollow portion of the channel member for detachably securing the driving member to the channel member.

2,568,923
EXPANSION JOINT APPARATUS
Samuel S. McNeary, Ardmore, Pa., and William R. Berry, Camden, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1948, Serial No. 16,404
1 Claim. (Cl. 285—90)



In an expansion joint, first and second pipe members, first and second intermediate annular members, outer expansion joints connecting the first and second pipe members to the first and second intermediate members, respectively, a middle expansion joint connecting the intermediate members, a first pair of diametrically-opposed tie rods connecting the first pipe member and the second intermediate member, and a second pair of diametrically-opposed tie rods connecting the second pipe member and the first intermediate member, the plane of the first pair of rods being arranged at right angles to that of the second and the effective pressure area of the middle expansion joint being larger than that of either outer joint.

2,568,924
PRESSURE DELAY VALVE
Edward E. Meier, Portland, Oreg., assignor to Central Brass & Iron Foundry, Portland, Oreg., a partnership
Application August 2, 1945, Serial No. 41,946
10 Claims. (Cl. 103—42)



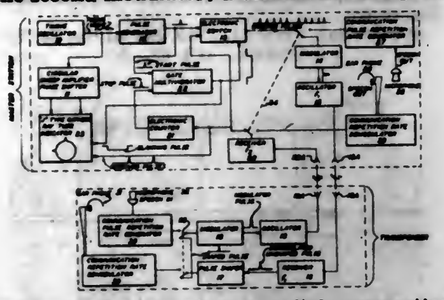
1. In intermittent oil burner apparatus, a pressure pump connected to an oil supply, a pipe connecting the discharge side of said pump to the oil supply, a biased valve in said pipe that tends to close said pipe, a metering device in said pipe nearer to said supply than said biased valve, an expansible chamber device connected to said pipe between said pump and said biased valve, said expansible chamber device spring biased to contracted position, a valve opener movable by said expansible chamber device, upon full contraction thereof, to overcome the bias of said biased valve to hold it open, said valve opener movable upon expansion of said expansible chamber to free said biased valve.

2,568,925
SUGAR SIRUP PREPARATION
Gordon F. Mills, Palo Alto, Calif., and John L. Porter, Baton Rouge, La., assignors to Chemical Process Company, San Francisco, Calif., a corporation of Nevada
No Drawing. Application March 1, 1948, Serial No. 12,474
1 Claim. (Cl. 127—41)

The method of producing edible sugar syrup from a normally acid sugar juice without effecting substantial crystallization of sugar therefrom which comprises heating the juice above approximately 35° C. to convert at least 10% of the sucrose to invert sugars so as to prevent crystallization of sugar from the juice, treating such acid juice with an organic anion exchanger prior to any cation exchanger treatment of the juice to remove refractory impurities therefrom, and further purifying said juice by then acidifying the juice below approximately pH 7 and again treating such acidified juice with such anion exchanger, and utilizing such treated juice as the syrup without crystallization of sugar therefrom.

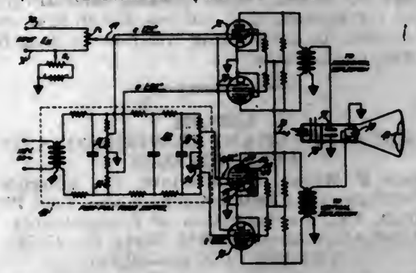
2,568,926
DISTANCE MEASUREMENT BY ECHO RANGING
Robert B. Moran, Jr., Pasadena, Calif., assignor to Moran Instrument Corporation, Pasadena, Calif., a corporation of California
Application May 26, 1947, Serial No. 750,603
8 Claims. (Cl. 343—6)

7. In echo ranging equipment, the combination which comprises a transmitter station including means for generating pulses that are equally spaced in time, a pulse modulator connected to this pulse generating means, an oscillator connected to the output of this modulator and a signal receiver; and a beacon station including a second signal receiver, a second modulator, and a second oscillator connected to the output of the second modulator; a communication pulse



repetition rate generator, a switch connecting this generator to the input of the first modulator in place of the means for generating the pulses that are equally spaced in time, and a communication pulse repetition rate demodulator connected to the output of the second signal receiver.

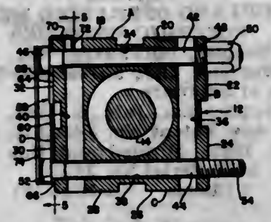
2,568,927
COMPUTING DEVICE
Wendell C. Morrison, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 5, 1946, Serial No. 674,503
4 Claims. (Cl. 315—24)



1. The combination of a cathode ray device having vertical and horizontal deflectors, means for applying to said deflectors potentials which are in quadrature, means for varying said potentials by a single unidirectional potential whereby the radius of the path followed by the ray of said device is determined, means for producing an effect proportional to the intensity of the field produced at a given point by a radiation source spaced from said point, and means responsive to said effect for varying the value of said unidirectional potential.

2,568,928
BOLT RETAINER AND ATTACHING STRUCTURE FOR AGRICULTURAL TRACTORS AND IMPLEMENTS
Willard H. Nordenson and Dan J. Mihal, Dubuque, Iowa, assignors to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa
Application December 29, 1949, Serial No. 135,644
9 Claims. (Cl. 280—150)

1. Implement attaching structure for a tractor or the like having a longitudinal body and a pair of elongated, oppositely laterally outwardly extending axle housings, characterized in that: each axle housing has four external mounting surfaces grouped about the outside of the axle housing to form a square about the principal axis of the axle housing; means providing four bores through the housing respectively on four intersecting axes inwardly of and respectively paralleling the aforesaid four mounting surfaces, each bore opening at opposite ends thereof respectively to opposite parallel mounting surfaces; a connecter element positionable along one mounting surface and having a pair of apertures therein spaced apart on the order of and alinable



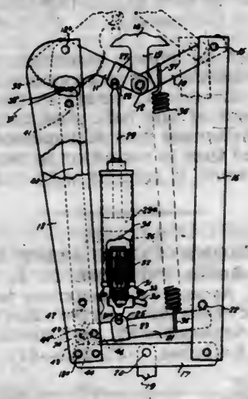
with the pair of parallel bores that open at said one mounting surface; a pair of securing members passed respectively through the apertures and through the bores with which said apertures are alined, each of said securing members having at one end thereof means engaging the connecter element and at the other end thereof means for engaging the mounting surface opposite said one mounting surface; and retaining means on the connecter element for engaging one of the other bores.

2,568,929
HOSE REEL
George H. Palm, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application October 8, 1947, Serial No. 778,697
23 Claims. (Cl. 299—78)



22. In a hose reeling apparatus including a reel supporting a hose for dispensing a fluid and fluid pressure operated means for rotating the reel in a direction to rewind hose thereon, the combination of supporting structure including a hollow casing having separate chambers formed therein for receiving, respectively, motivating fluid and a fluid to be dispensed, said latter chamber having an access aperture, a removable closure for said aperture, separate inlet connections for said chambers, means to establish communication between the inlet chamber for fluid to be dispensed and said hose, means for establishing communication between the inlet chamber for motivating fluid and the fluid pressure-operated means, a by-pass passageway between said two chambers, and a seal for said by-pass passageway adapted to be removed to establish communication between the two chambers so that the pressure operated means may be actuated by the fluid which is to be dispensed when the seal is removed and by a separate fluid when the seal is in place, said by-pass passageway being aligned with said access aperture to facilitate insertion and removal of the seal when the apparatus is in assembled condition.

2,568,930
SEAT ADJUSTER
John B. Parsons, Toledo, Ohio
Application December 22, 1945, Serial No. 636,717
4 Claims. (Cl. 155—14)

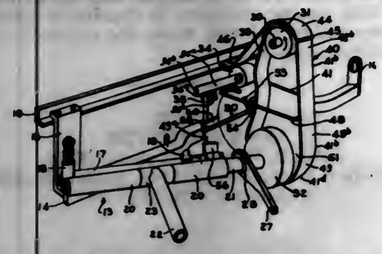


4. In an automotive vehicle having a floor and a frame rigidly secured thereto, a seat mounted on said floor for back and forth shifting movements, power mechanism connected to the seat for effecting such shifting movements, said mechanism comprising an arm pivoted at one end to said frame and pivotally connected to the seat at its opposite end, a motor assembly including linearly movable parts, means connecting one end of said assembly parts to said frame, the other of said assembly parts being operatively connected to said arm for imparting swinging movement thereto, a sector swinging with said arm, a bar mounted on said frame for movement toward and away from said sector, detent means on said bar for engaging said sector, and said assembly connecting means having a lost motion connection with said frame and being in operative engagement with said bar whereby a sudden movement of the seat imparts movement to the said motor assembly thereby to move said bar to cause the detent means thereof to engage the sector and lock the arm against swinging movement.

2,568,931
BREAK-BACK MOWER DRIVE
Talbert W. Paul, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 15, 1948, Serial No. 21,268
12 Claims. (Cl. 56—25)

2. In an implement unit having a carrying part and an implement part and means connecting the two for displacement and return movement of the implement part from and to a normal position with respect to the carrying part, the improvement comprising: first and second drive wheels

journaled respectively on the parts, the second wheel being on the implement part and thereby displaceable and returnable with respect to the first wheel; an endless belt trained about the wheels and having such length as to require tightening; means operative to keep the belt tight while the wheels are normally positioned and operative in response to displacement of the implement part to effect loosening of the belt; means for retaining the belt against displacement along with the second wheel so that the latter may move out of the belt; and means effective while the implement part is displaced to hold the belt open and thus in condition to receive the second wheel when it returns with the implement part.



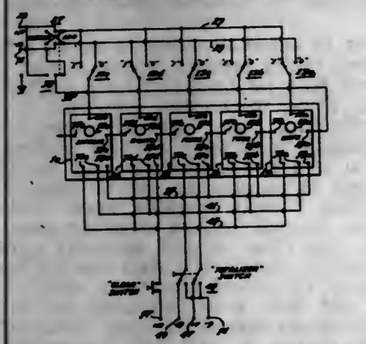
2,568,932

ELECTRONIC CUMULATIVE ADDER

Jan A. Rajchman, Princeton, N. J., and George W. Brown, Ames, Iowa, assignors to Radio Corporation of America, a corporation of Delaware

Application September 27, 1947, Serial No. 776,439

5 Claims. (Cl. 235—61)



1. An electronic computer comprising a plurality of accumulators connected in cascade, each having two stable conditions of operation, one condition of each accumulator being representative of a given value of a first cipher in a system of numeration and the other condition being representative of another value of said first cipher; means for producing a first plurality of voltages each having one value or another depending on the condition of a corresponding one of said accumulators; means for producing a second plurality of voltages, each having one value or another depending on the value of corresponding ciphers of a number to be added to the number represented by the conditions of said accumulators; means for combining each voltage of said first plurality of voltages with a corresponding voltage of said second plurality and a carry-over voltage from the preceding accumulator to produce a first plurality of average voltages; means for deriving from each average voltage a carry-over voltage for the succeeding stage; means for combining each voltage of said second plurality with the carry-over voltages from the respective preceding accumulators and with a voltage representative of the carry-over voltage for the succeeding stage to produce a second plurality of average voltages, the last of said combined voltages having twice the effect of each of the other of said combined voltages; and means for conditioning each of said accumulators in accordance with the values of respective ones of said second plurality of average voltages.

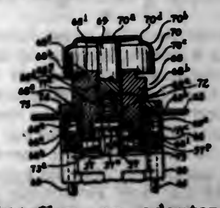
2,568,933

MOUNTING AND OPERATING MEANS FOR ELECTRIC SWITCHES

Clyde F. Robbins, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Original application July 4, 1942, Serial No. 449,756, now Patent No. 2,460,034, dated January 25, 1949. Divided and this application June 14, 1948, Serial No. 32,883

7 Claims. (Cl. 200—17)



2. In combination, an adapter member for attachment to the insulating base of a switch of the reciprocating contactor type, said adapter member having a relatively large centrally located screw threaded opening formed therein, an actuator assembly comprising a machined metal bushing having an intermediate portion of polygonal contour in transverse cross section, an externally threaded lower end portion of relatively smaller transverse dimensions adapted for cooperative engagement with said adapter opening, said bushing having a reduced substantially circular upper end portion and said bushing also having a peripheral groove formed therein between the upper end portion and said intermediate portion, said bushing having a centrally located passage of circular cross section extending therethrough and a relatively large countersink at the lower end of said passage, a metal rod of greater length than said passage and of circular cross section having a free but relatively close sliding fit within said passage, an inverted cup-shaped sheet metal head member rigidly and permanently attached to the upper end of said rod, said rod having a threaded recess opening to the lower end thereof, a bolt having a shank threaded into said recess, said bolt having an intermediate portion of polygonal contour to facilitate tightening thereof, a flat-ended extension of reduced transverse cross section at the lower end of said intermediate portion of said bolt, a lock-washer interposed between the lower end of said rod and said intermediate portion of the bolt, and said intermediate portion cooperating with the end wall of said countersink to positively limit the degree of outward movement of said bolt, whereby the lower end of said head member overlaps the upper end of said bushing in all positions of said rod.

2,568,934

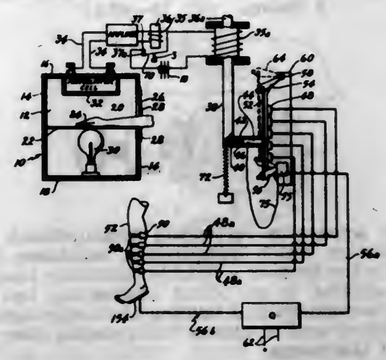
SYSTEM OF THERAPEUTIC TREATMENT

Abraham W. Schenker, New York, N. Y.

Application April 28, 1947, Serial No. 744,293

5 Claims. (Cl. 128—404)

1. A device for aiding and maintaining the circulation of the blood, comprising a plurality of active electrodes adapted to be placed in contact with a portion of the body of a patient, a dispersive electrode adapted to be placed in contact with another portion of the said body, a source of electric current connected to said electrodes, and means for successively energizing said electrodes in synchronism with the arterial pulse, whereby the blood circulation of the body is maintained.



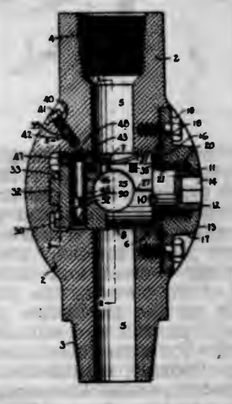
2,568,935

LUBRICATED PLUG VALVE

Jopling P. Smith, Houston, Tex., assignor to Garrott Brass & Machine Company, Inc.

Application December 29, 1945, Serial No. 638,096

1 Claim. (Cl. 251—93)



A drill stem kelley valve including a housing, a transverse plug chamber therein, a flow passage through the housing and crossing said chamber to provide a downstream seat at the top of said chamber, a rotatable plug in said chamber, an arcuate seat plate recessed into said plug and movable therewith, a face on said plate extending across said seat when the plug is in closing position, and means to provide a seal on the face of said plate including a distribution groove in the face encircling said downstream seat, a reservoir member carried by the plate and projecting diametrically into said plug, and an injecuon fitting on said body for plastic sealing material, a conduit from said fitting connected to each said groove and said reservoir to fill said groove and to also fill said reservoir independent of said groove.

2,568,936

METHOD OF IMPROVING THE RESISTANCE TO CORROSION AND ABRASION OF CERTAIN COATED ALUMINUM SURFACES

Frank Palin Spruance, Jr., Ambler, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware

No Drawing. Application December 14, 1949, Serial No. 133,005

1 Claim. (Cl. 148—6.16)

In the art of coating aluminum to increase its resistance to corrosion and abrasion where the surface of the metal has been coated by subjecting it to the action of an acid aqueous solution the essential coating-producing ingredients of which are fluoride ions, dichromate ions and ions from the class of acids consisting of phosphoric and arsenic acids; the method which consists in treating a surface so coated with an acid aqueous solution containing, as its essential active material, a mixture of chromic acid with acid from the group consisting of phosphoric acid and arsenic acid; the concentration of chromic acid to be from 0.5 to 40 grams per liter and the concentration of acid from said group being the stoichiometric equivalent of from 2 to 30 grams per liter calculated as P_2O_5.

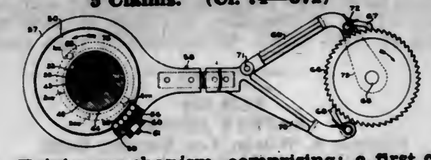
2,568,937

ADJUSTABLE ECCENTRIC

Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application August 19, 1948, Serial No. 45,174

5 Claims. (Cl. 74—571)



1. Driving mechanism, comprising: a first circular member; means providing a journaling axis which is eccentric to the true center of the member and about which the member is rotatable; means including the circular periphery of the member and providing a bearing part about the true center of the member; a second circular member; means on the second member eccentric to the true center thereof and providing a circular bearing part cooperating with the aforesaid bearing part to accomplish a bearing on the true center of the first member for carrying the second member on the first member; means on one member including an arcuate track formed about the axis of the bearing and having a uniform base and plurality of portions angularly spaced apart therein, each portion being disposed at a different level with respect to the base of the track; and means on the other member including an element shiftable toward and away from the track and in selectively different amounts for engagement with any one of said track portions for connecting the members together in various positions of angular adjustment about the bearing axis.

2,568,938

SCARFING APPARATUS

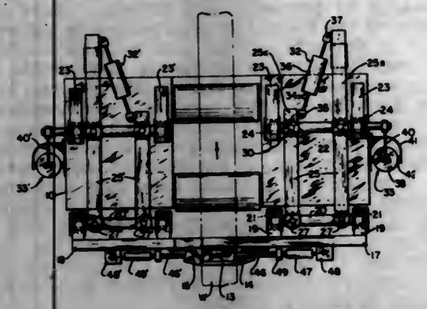
Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application August 3, 1948, Serial No. 42,232

6 Claims. (Cl. 266—23)

1. Apparatus for scarfing billets and the like during relative movement between the billet and

the apparatus longitudinally of the apparatus, comprising a base, a torch tip supporting member, at least one torch tip carried by said member, and means for mounting said member on the base so that it is vertically and horizontally movable parallel to itself transversely of the apparatus, said means comprising a pair of parallel shafts rotatably mounted on said member, a second pair of shafts rotatably mounted on the base in parallel relation to each other and to the shafts of the first pair, the two pairs of shafts



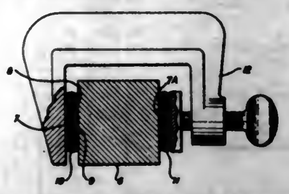
being spaced apart longitudinally of the apparatus, four parallel links arranged quadrilaterally and extending from one pair of shafts to the other, each of said links having an integral bifurcated portion straddling one shaft of one pair and also having another integral bifurcated portion straddling the corresponding shaft of the other pair, and a pin pivotally connecting each of said bifurcated portions of the links with the shaft which it straddles, the axis of such pin being at right angles to the axis of such shaft.

2,568,939
SAFETY HOOK
William A. Wilson, Los Angeles, Calif.
Application April 19, 1949, Serial No. 88,279
10 Claims. (Cl. 24—241)



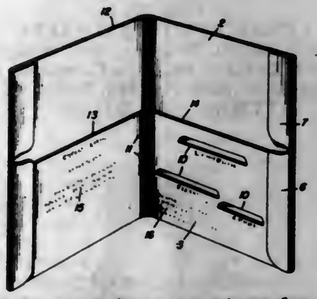
1. A safety hook, comprising: a body with a forwardly extending bill forming a receiving notch; an arm pivoted to said bill adapted to close the entrance to said notch, said arm having a head portion; a latch bolt carried by said arm adapted in the closed position of said arm to latchingly engage the hook body on one side of said head; a latch locking member carried by said arm adapted in the closed position of said arm to latchingly engage the hook body on the opposite side of said head; and spring means biasing said bolt and locking member to latching positions.

2,568,940
STRAIN MEASUREMENT
Alexander Wolf, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 13, 1946, Serial No. 690,164
8 Claims. (Cl. 73—88.5)



1. In apparatus for strain measurement, the combination which comprises a resistance type gauge in the form of a flexible conductor adapted to be applied to an object undergoing test for strain, a resilient pad holding the gauge against the object, and a clamp for pressing the pad against the gauge.

2,568,941
PORTFOLIO
Abel O. Benson, River Falls, Wis.
Application April 15, 1949, Serial No. 87,706
1 Claim. (Cl. 229—72)

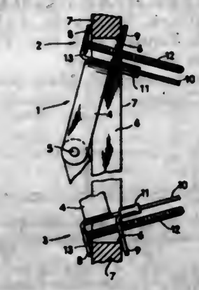


A portfolio comprising a rectangular cover of foldable material with side edge reinforcing flaps therein folded inwardly over the cover and adhesively secured thereto in folded position, and a pocket forming portion relatively narrower than said cover folded inwardly over said cover from the bottom thereof and extending from one side edge of the cover to the other with reinforcing flaps on the side edges of the cover overlapping said portion and adhesively secured thereto to secure the same folded, said cover and portion being foldable intermediate said side edges along spaced parallel lines over said pocket forming portion to close the portfolio, said pocket forming portion being secured to the cover between the lines of fold of said cover to form with said cover a pair of pockets at opposite sides of said fold lines, said pocket forming portion having parallel slots therein arranged in staggered relation for access therethrough to one of the pockets.

2,568,942
ADAPTER FOR WALL-TYPE OUTLET BOXES
Charles J. Bindel, Akron, Ohio
Application February 23, 1949, Serial No. 77,933
5 Claims. (Cl. 248—27)

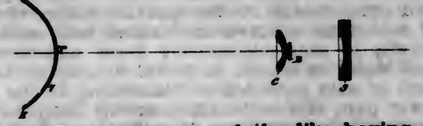
1. An adaptor for wall-type outlet boxes comprising a pair of adjustable wall gripping means each carried by a support means pivotally interconnected to permit movement of the gripping

means toward each other, the gripping means comprising a stationary wall engaging finger and a second wall engaging finger movable into and out of cooperative wall gripping engagement with said stationary finger by means of a screw member in threaded contact with the movable finger



and held by the stationary finger against axial movement when the fingers are in wall gripping position, the support means comprising a pair of leg members parallel to each other and forming a frame structure with said gripping means for receiving said outlet box, and anchor means carried by said stationary finger for receiving said outlet box in anchored position therewith.

2,568,943
X-RAY CAMERA AND SYSTEM
Berndt Stephan Blaisse and Albert Bouwers, Delft, Netherlands, assignors to N. V. Optische Industrie "de Oude Delft," Delft, Netherlands
Application January 2, 1948, Serial No. 220
In the Netherlands January 6, 1947
8 Claims. (Cl. 250—64)



1. An X-ray camera and the like having an optical system which forms a curved image of a flat object comprising a concave mirror, a corrector element spaced from said mirror and concentric therewith, a substantially cylindrically shaped fluorescent screen with vertical generatrices spaced from said corrector element and having convex curvature toward the objective and a purely cylindrical image support interposed between said mirror and said corrector element, said image support having horizontal generatrices, the generatrices of said screen and said image support being at right angles to each other and to the optical axis of said system, the object and image surfaces being optically conjugate and both being aspherically curved.

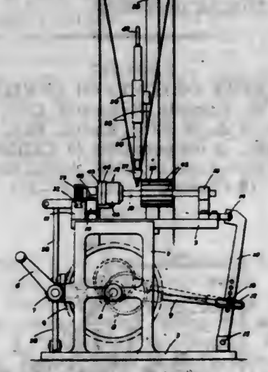
2,568,944
RETRIEVABLE BRIDGE PLUG
Harry S. Brigham, Bakersfield, Calif., assignor to Western Gulf Oil Company, Los Angeles, Calif., a corporation of Delaware
Application April 25, 1949, Serial No. 89,527
3 Claims. (Cl. 166—13)

1. A bridge plug comprising an elongate, imperforate expansible sheath of rubber or the like having one end closed, a threaded bushing fixedly secured within said sheath adjacent its closed end, a shouldered and threaded collar fixedly secured within said sheath at its other end, a perforate tubular mandrel extending through said collar and provided with an enlarged end seated upon the shoulder of said collar, the other



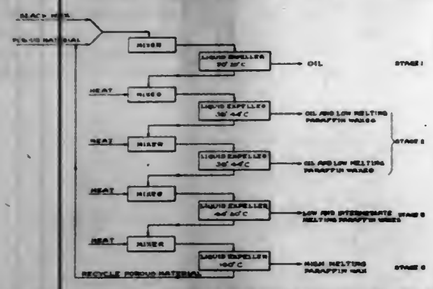
end of said mandrel threadedly engaging said bushing, and a combined connector fitting and check valve threadedly received within said collar outwardly of the enlarged end of said mandrel.

2,568,945
ARMATURE WINDING MACHINE
Peter J. Burdulis, Delhi, Calif.
Application April 16, 1948, Serial No. 21,520
7 Claims. (Cl. 242—13)



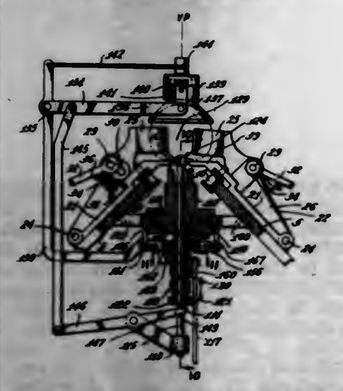
1. An armature winding machine comprising an upstanding frame, a horizontal slide mounted on the frame, a chuck assembly on the slide adapted to receive the armature shaft with the latter parallel to the path of motion of the slide, said assembly including a rotary chuck having a shaft, a pinion on the shaft, a rack in mesh with the pinion mounted on the slide for transverse guided motion, a swing lever on the frame corresponding and connected to the slide and mounted for movement in the same direction, another swing lever on the frame corresponding and connected to the rack and mounted for movement in the same direction, connections between the levers and said slide and rack, and means arranged to swing said levers in a manner to alternately impart reciprocating strokes to the slide and rack in a predetermined cycle.

2,568,946
MANUFACTURE OF PARAFFIN WAXES
Herbert Stanley Burk, Maplewood, La., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 10, 1948, Serial No. 14,042
3 Claims. (Cl. 196—17)



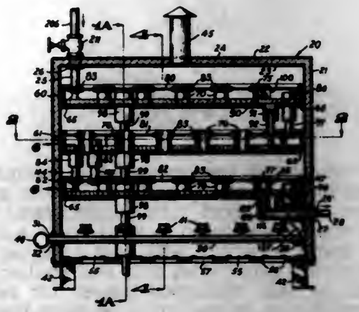
1. The process for the manufacture of paraffin wax from a slack wax consisting of crystalline waxes and from about 25 to about 60 per cent by weight of oil, which comprises preparing a mixture consisting of said slack wax and between about 5 and about 25 per cent by weight of wood sawdust, centrifuging said mixture at a temperature between about 20° C. and about 25° C. to separate therefrom the normally liquid oil content of the slack wax, subjecting the residue to a second centrifuging operation at a temperature between about 35° C. and about 45° C. to separate therefrom low-melting wax components, subjecting the residue from said second centrifuging operation to a third centrifuging operation at a temperature between about 45° C. and about 55° C. to separate therefrom intermediate-melting wax components, and separating the wood sawdust from the wax residue from said third centrifuging operation.

2,568,947
FRUIT ORIENTING DEVICE
Ellsworth W. Carroll, Redwood City, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application June 10, 1949, Serial No. 98,260
16 Claims. (Cl. 198—33)



1. In a machine for processing indented fruit, an indent fitting member mounted on a vertical axis and shaped to fit the elongated indent of a seamed fruit by having a long dimension in a horizontal plane, means for positioning a fruit with at least part of the weight of said fruit on said indent fitting member, and means for oscillating said indent fitting member on its axis to change the position of said long dimension in said horizontal plane.

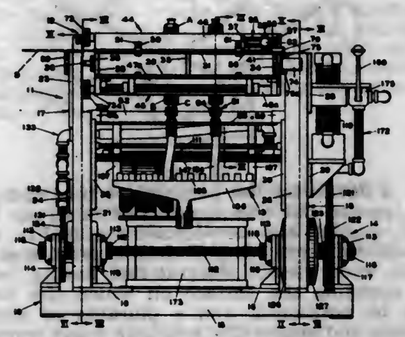
2,568,948
PAN TYPE HEAT EXCHANGER
William G. Cartter, Monrovia, Calif., assignor to Affiliated Gas Equipment, Inc., Cleveland, Ohio, a corporation of Delaware
Application September 28, 1945, Serial No. 619,113
5 Claims. (Cl. 126—355)



1. A heat exchanger comprising a housing, a plurality of substantially flat pans adapted to hold water and slidably disposed in said housing in vertical spaced relation, a plurality of conduits disposed through each of said pans and positioned in offset relation with respect to each adjacent pan adapted to form a tortuous path for heated gases, whereby said gases are caused to wipe substantially all of the bottom of each of said pans, water supply means adapted to supply water to be heated to one corner of the upper of said pans, means in the opposite corner of each of said pans adapted to conduct said water by gravity to each successively lower pan whereby said water is caused to travel diagonally across each of said pans before descending to the next lower pan, said last-named means comprising a sleeve of relatively large diameter depending from the bottom of each of said pans respectively, a sleeve of relatively smaller diameter disposed in said larger sleeve, sealing means disposed between said sleeves adapted to frictionally retain said smaller sleeve in position, whereby said smaller sleeve may be telescoped upwardly into said larger sleeve to permit removal of each of said pans, and means for maintaining a predetermined level of said water in each of said pans, said last-named means comprising a weir adapted to partition said corner in which said water conducting means is disposed from the rest of said pan.

2,568,949
CONTAINER CLEANING MACHINE
Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
Application June 28, 1948, Serial No. 35,710
8 Claims. (Cl. 15—304)

6. In a container cleaning machine, the combination comprising: a frame; a container holding mechanism having releasable container gripping means thereon and being rotatably supported about a horizontal axis upon said frame; a rotatable cam shaft under said mechanism and manually controllable means effecting rotation of said shaft; a first cam on said shaft and a vertically reciprocable rack operable by said cam for rotating said holding mechanism; a second cam on said shaft and means including a vertically reciprocable post operable by said second cam for actuating said gripping means; a nozzle vertically reciprocably supported upon said frame beneath said holding mechanism and alignable with a container inverted thereby and means connecting said nozzle to a source of cleaning fluid;



a third cam on said shaft and means including a vertically reciprocable rack operable by said third cam for reciprocating said nozzle; whereby rotation of said cam shaft effects, in sequence, the lowering of the nozzle, gripping of the container within the holding mechanism, inversion of said container, and raising of said nozzle into contact with said inverted container.

2,568,950
LATICES FROM ALKALI METAL CATALYZED POLYMERS
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application November 29, 1948, Serial No. 62,596
17 Claims. (Cl. 252—310)

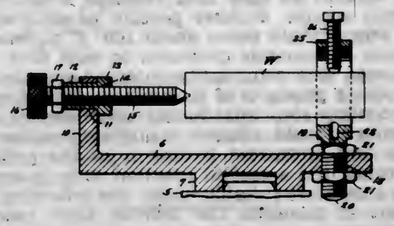
1. The preparation of a synthetic latex from a polymeric mass obtained by the polymerization of an unsaturated material polymerizable in the presence of an alkali metal catalyst which comprises treating said polymeric mass with an organic acid the alkali metal salt of which is an emulsifying agent and admixing the treated mass with water.

2,568,951
NEEDLE GUIDE
Mary M. Cudly, Friend, Nebr.
Application December 16, 1946, Serial No. 716,448
1 Claim. (Cl. 223—101)



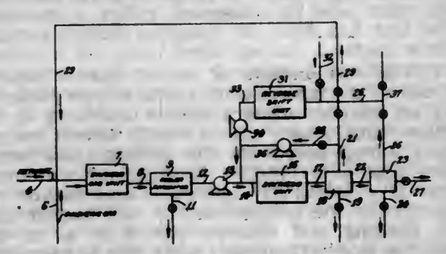
A needle guide comprising a smooth parabolic shell having a finger receiving recess in its larger end and a boss extending from its opposite or closed end, said boss being positioned in alignment with the longitudinal axis of the shell and the width thereof being less than that of the shell, said boss having a substantially semi-spherical recess with a smooth surface in the extended end thereof and positioned about said longitudinal axis, and said recess positioned whereby the point of a needle extended through material positioned over the boss on the end of the guide and entering the said semi-spherical recess is directed upwardly and back through the said material thereby facilitating forming a return stitch in sewing.

2,568,952
SHAFT HOLDER
Edward C. Dailey, West Newton, Pa.
Application March 30, 1949, Serial No. 84,353
2 Claims. (Cl. 90—59)



1. A unitary shaft holding assembly for metal working lathes comprising an elongated flat horizontal base, an annular collar formed integrally upon the underside thereof and recessed to receive an upstanding cross carriage slide post of a metal working lathe, means on the collar for removably clamping said base upon the post, an end wall upstanding from one end of the base and formed integrally therewith, said end wall having a threaded opening, an elongated shaft centering screw threaded horizontally through said opening and adapted to be threaded against one end of a piece of work mounted above the base, a Y-post mounted for vertical adjustment in the other end of the base, means for locking the Y-post in selected positions of vertical adjustment, a removable insert adapted to be mounted upon the Y-post for accommodating the Y-post to pieces of work differing in diameter, and a clamping screw threaded through the top of the Y-post and adapted to clamp to the Y-post the other end portion of said piece of work.

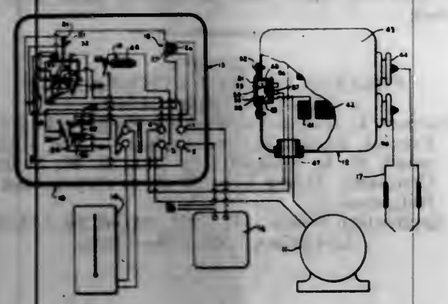
2,568,953
PROCESS FOR THE SYNTHESIS OF ORGANIC COMPOUNDS
Norman L. Dickinson, Basking Ridge, Edward F. Everett, Plainfield, and Luther R. Hill, Ridgewood, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application October 31, 1947, Serial No. 783,282
13 Claims. (Cl. 260—449.6)



1. An improved process for the hydrogenation of carbon monoxide to produce oxygenated or-

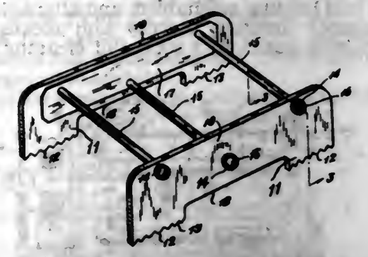
ganic compounds and hydrocarbons which comprises introducing hydrogen and carbon monoxide into a first reaction zone in contact with a hydrogenation catalyst, maintaining said first reaction zone under conditions of temperature between about 300° F. and about 700° F. and of pressure below about 500 pounds per square inch gage such that hydrogen and carbon monoxide are converted to organic compounds, water, and carbon dioxide, withdrawing from said first reaction zone an effluent comprising organic compounds, water vapor, carbon dioxide and unreacted hydrogen, cooling said effluent from said first reaction zone to a temperature below about 300° F. to condense water vapor therein, recycling a portion of the uncondensed components of said effluent to said first reaction zone, subsequently cooling another portion of said effluent to a temperature below about 100° F. to condense organic compounds produced in said first reaction zone, recovering said condensed organic compounds as products of the process, from the second cooling step introducing uncondensed components of said effluent comprising carbon dioxide and unreacted hydrogen as the principal reactants into a second reaction zone in contact with a catalyst suitable under the following conditions to promote the reverse shift reaction, maintaining said second reaction zone under conditions of temperature between about 1000° F. and about 1500° F. and of elevated pressure such that carbon dioxide and hydrogen are converted to carbon monoxide and water as the principal products of the reaction, and removing an effluent comprising carbon monoxide from said second reaction zone, and passing carbon monoxide of said effluent from said second reaction zone directly to said first reaction zone to supplement the feed thereto.

2,568,954
OIL BURNER CONTROL CIRCUIT WITH SMALL IGNITION TRANSFORMER
Howard E. Earl, Bloomington, Ill., assignor to Eureka Williams Corporation, Bloomington, Ill., a corporation of Michigan
Application August 2, 1947, Serial No. 765,711
7 Claims. (Cl. 158—28)



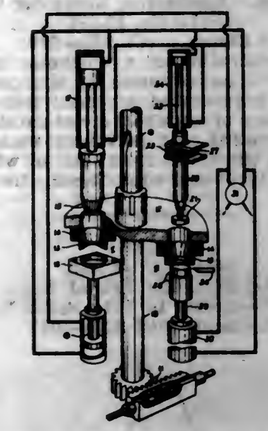
1. The combination of an oil burner control circuit of the intermittent ignition type comprising an ignition primary circuit including an ignition transformer, with a supply circuit including a voltage source for the ignition transformer such that said ignition transformer will overheat if continuously operated, and means responsive to the temperature of said transformer for opening said ignition circuit so as to deenergize said transformer when the temperature of said transformer increases beyond a predetermined safe operating value.

2,568,955
FLATIRON STAND
Arthur R. Englander, University Heights, Ohio
Application October 14, 1947, Serial No. 779,674
2 Claims. (Cl. 248—117.2)



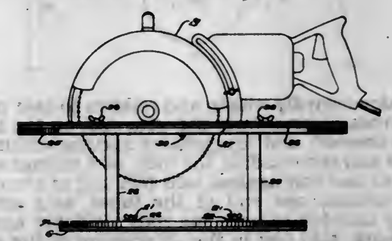
1. A device for the purpose specified comprising opposed flat side members of relatively high heat-resisting and non-conducting quality, each of said members being shaped to provide at opposite ends thereof integral feet having means for engaging the surface on which the device may be positioned, and a plurality of slender spacing and supporting members solely connecting the said opposed side members adjacent to the tops thereof and spaced apart longitudinally of said member so as to provide therebetween and therebeneath a space for the free circulation of air.

2,568,956
FINISHING APPARATUS FOR PLASTIC MOLDINGS
Nathan Fienberg, Caulfield, Victoria, and Alan Reginald Calder, Newport, Victoria, Australia, assignors to A. C. I. Plastics Proprietary Limited, Melbourne, Victoria, Australia, a company
Application July 24, 1950, Serial No. 175,634
In Australia July 25, 1949
18 Claims. (Cl. 18—20)



17. Apparatus for performing finishing operations on moulded articles comprising a carrier supported for angular movements about a substantially vertical axis, at least one tubular mould member supported by said carrier with its axis disposed substantially vertically, means operable to actuate said carrier intermittently whereby the tubular carrier is successively moved to and arrested at spaced moulding and take-out stations, means operable at the moulding station to mould an article onto said tubular member, a spaced substantially vertically aligned pair of rotary holding members arranged at the take-out station whereby when said tubular member is arrested at such station, it is disposed coaxially between said holding members, means operable while the tubular holder is arranged at the take-out station to move said holding members axially towards each other to clamp therebetween a moulded article carried by said tubular member and then to move said holding members and interposed article in the same axial direction, means operable to rotate said holding members and interposed article during the axial displacement of the latter and means arranged within the operative end of one of said holding members for supporting a die for impressing the adjacent surface of the moulded article.

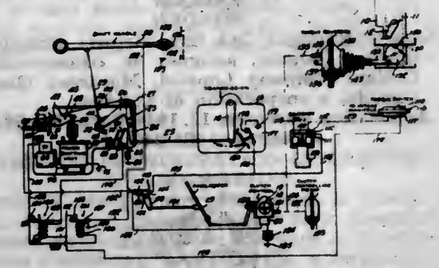
2,568,957
ROTARY PORTABLE SAW SUPPORT MITERING MACHINE
William Hess, Hanford, Calif.
Application July 1, 1948, Serial No. 36,541
3 Claims. (Cl. 143—6)



1. Miter box apparatus for portable power saws including a base, a saw-supporting carriage mounted to rotate thereon, for relating a supported saw at a selected angle to material to be cut, table portions rigid with said carriage and elevated above the base, said table portions being spaced apart from end to end to define between them a space open at opposite ends and into which a blade of a power saw may extend, the top surfaces of the table portions defining bearing surfaces for said saw, to provide a slideway for the saw, and guide members mounted upon said table portions for slidable adjustment thereover transversely of the slideway, said guide members being slidably adjustable independently of each other and providing side walls for the slideway, the guide members when shifted to selected positions of adjustment upon the table portions being proportioned to leave selected areas of the top surfaces of the table portions exposed.

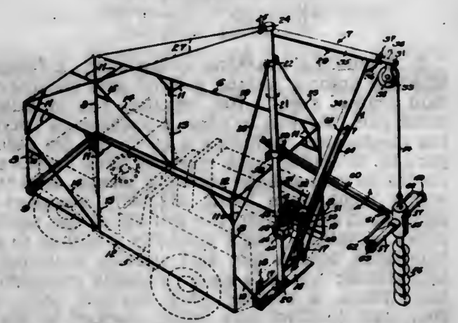
2,568,958
GEAR SHIFTING MECHANISM
Henry W. Hey and Jeannot G. Ingres, Richmond, Va., assignors to Automatic Shifters, Inc., Richmond, Va., a corporation of Virginia
Application October 14, 1944, Serial No. 558,662
22 Claims. (Cl. 192—.08)

1. A transmission shifting mechanism for a motor vehicle having a member shiftable between high and low gear positions, a clutch-disengaging motor, and a control device for energizing said motor, and a vehicle-speed controlled governor, comprising a power device connected to said shiftable member, manually controlled means for rendering said power device operative to move said shiftable member to low gear position, clutch-controlling means operable by said power device substantially throughout a movement of said shiftable member from one position to another for rendering said control device effective for energizing said clutch-disengaging motor and releasable when said shiftable member reaches either of said positions to engage the clutch, and means operable by the governor when said shiftable member is in low gear position and



the vehicle speed has accelerated to a predetermined point for rendering said power device operative for moving said shiftable member to high gear position, said last named means comprising an electric circuit including a switch controlled by the governor.

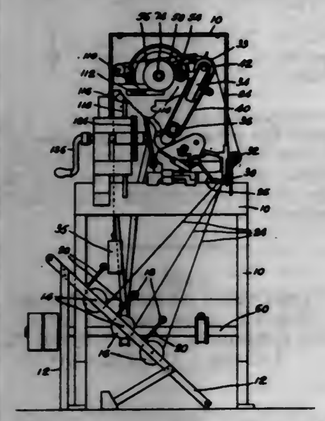
2,568,959
PORTABLE DERRICK CRANE
Henry F. Illies, Fenston, Minn.
Application September 26, 1947, Serial No. 776,256
1 Claim. (Cl. 212—55)



A portable derrick crane comprising a mast supporting frame adapted to be secured to the sides and ends of a motor vehicle and supported thereby, an upright mast swivelly supported on the frame beyond one end of the motor vehicle, an extensible boom projecting outwardly from the upper portion of the mast and disposed in a horizontal plane, said boom comprising an inner section rigidly secured to the mast and an outer extensible section telescoping into said inner section through the outer end of the inner boom section, said outer extensible section being provided with a plurality of longitudinally spaced openings, a pulley journaled on said outer extensible section adjacent its outer end and outwardly of the inner boom section, a driven winding drum supported by the mast, a flexible member having one end secured to and wound on the drum and extending from said drum over the pulley and terminating in a depending load supporting opposite end adapted for supporting a load at various levels and swingable relatively to the frame, and a stop supported by the mast and engageable with selected openings in the outer extensible boom section for engaging the outer end of the inner boom section to prevent retraction of the outer extensible section within the inner section, a flexible member cooperating

with the pulley to retain the stop in engagement with the outer end of the inner boom section when the depending end of the flexible member is supporting a load.

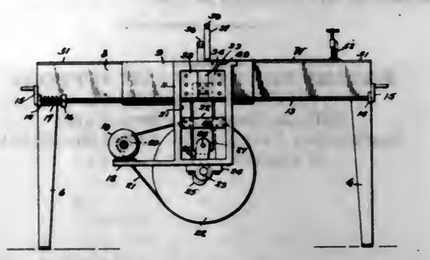
2,568,960
WINDER
John G. Kershaw, Oak Bay, Victoria, British Columbia, Canada, assignor to Drummondville Cotton Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 12, 1948, Serial No. 59,610
3 Claims. (Cl. 242—18)



1. A winding machine, comprising, a frame, a winding spindle having a fixed axis mounted on said frame, means for rotating the spindle to wind yarn thereon to form a package, a traversing mechanism including a guide eye for guiding yarn on to said spindle, speed varying means connected to said spindle rotating means, said traversing mechanism being pivotally mounted for movement away from the spindle as the package grows, a notched plate pivotally attached to said traversing mechanism and slidably mounted on said winder frame, a gear rotatably mounted on said frame, a toothed rack engaged with said gear, said toothed rack being adapted to engage in the notches in said notched plate, means for urging said toothed rack into engagement with said plate, a sprocket gear in direct connection with said first named gear, a chain in meshed engagement with said sprocket gear, said chain being workably connected to said speed varying means, whereby as the package increases in diameter said traversing mechanism in moving away from the package spindle moves said notched plate allowing said toothed rack to shift to subsequent notches thereby varying the speed of the fixed axis spindle in direct relationship to the diameter of the package.

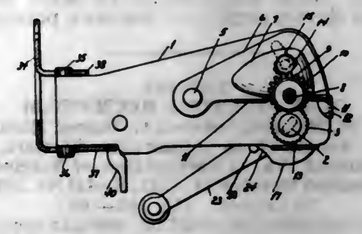
2,568,961
SHEET MATERIAL CUTTING DEVICE
Ralph P. Kipp, Ossining, N. Y.
Application October 6, 1949, Serial No. 119,794
1 Claim. (Cl. 164—75)

In a shearing machine for cutting metal sheets a supporting frame proportioned to support horizontally a sheet of material to be cut; a shear carriage slidably mounted on the frame and disposed wholly below the plane of the supported sheet, the top surface of said carriage being at an elevation to contact slidably the underside of the supported sheet; a knife blade mounted upon the shear carriage for up and down movement, the upper portion of the blade projecting above the plane of the supported sheet and having a leading edge formed with a cutting surface oblique to said supported sheet and passing through the plane of the sheet on up and down movement of the knife blade; a power means mounted upon said shear carriage; an operative linkage between said power means and the lower portion of the knife for imparting said up and down movement to the knife blade; guide tubes rigidly secured to the upper portion of the knife blade at opposite sides of said cutting surface and shiftable bodily upwardly and downwardly with said knife blade; rods mounted to slide upwardly



and downwardly within and relative to said tubes, said rods having work-engaging feet on the lower ends thereof; and compression springs within the tubes and surrounding the rods, said springs abutting at one end against said feet and at the other end against one end of the tubes, said springs being adapted to urge the rods yieldably against the work, said feet in the up position of the knife blade being urged outwardly of the tubes by the springs to contact the supported sheet in advance of contact of the sheet by the cutting surface when the blade makes its down stroke, said springs being increasingly compressed on said down stroke to increase correspondingly the pressure of the feet against the work during the down stroke.

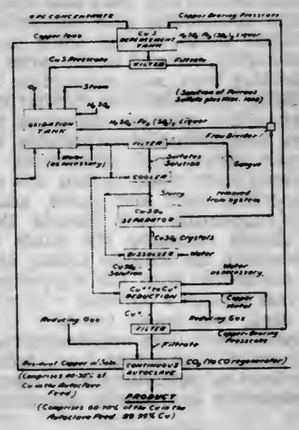
2,568,962
CAN OPENER
Henning Waldemar Lindahl, Landskrona, Sweden, assignor to Aktiebolaget Nilsson & Johansson, Stockholm, Sweden
Application April 11, 1949, Serial No. 86,610
In Sweden April 27, 1948
2 Claims. (Cl. 30—9)



1. In a can opener the combination of a base plate, a crank shaft provided with a feeding wheel and a gear wheel, the shaft journaled in the base plate, a rotatably mounted arm, to which a cutter and a gear wheel adapted for meshing engagement with the above mentioned gear wheel are attached, a pin that passes through an arcuate slot in the base plate, and which on one side of the base plate is attached to the arm and

on the other side to a rotatably mounted coupling member capable of being raised and lowered, and which has the form of an angle piece with unequal legs and which partly surrounds the crank shaft, a stud on the short leg of the coupling member, a disc with a sector shaped cut-out portion along its periphery secured to the crank shaft, the corners of the cut-out portion forming lugs, and a pivoted spring-urged secondary arm mounted on the long leg of the coupling member, the secondary arm being provided with a flange in an inclined position in the path of motion of a stud on the crank handle.

2,568,963
PROCESS FOR THE RECOVERY OF COPPER FROM ITS ORES AND MINERALS
Patrick J. McGauley, Glen Cove, and Edward S. Roberts, New York, N. Y., assignors to Chemical Construction Corporation, New York, N. Y., a corporation of Delaware
Application June 4, 1949, Serial No. 97,224
4 Claims. (Cl. 75—115)



1. An improved process for treating a copper-bearing solids mixture, at least a part of which comprises sulfides of copper and of iron and in which the copper-iron ratio is too low for effective recovery of copper by direct acid leaching, to dissolve and recover the copper content thereof while eliminating iron, which process comprises: admixing a portion of said solids mixture with a volume of aqueous sulfuric acid treating liquor containing copper ions, said portion of solids having an iron content chemically equivalent to at least a major portion of the dissolved copper in said liquor; continuing the treatment of said solids with said volume of liquor until precipitation of copper from solution as copper sulfide with the concomitant solution of a chemical equivalent of iron as ferrous sulfate substantially ceases, said volume of liquor being at least sufficient for its copper content, to produce in the solid residue a copper-iron ratio appreciably greater than unity; filtering the treated mixture; removing the ferrous sulfate-containing filtrate from the circuit; treating the resultant copper-sulfide-enriched presscake by gaseous oxidation in the presence of aqueous sulfuric acid, whereby the copper and iron content thereof is converted to a solution of dissolved sulfates; removing copper from said solution in amount substantially equivalent to the copper dissolved from said portion of said solids and returning the residual copper bearing liquor as treating liquor for an additional portion of solids mixture.

2,568,964
CATALYTIC ISOMERIZATION OF OLEFINIC HYDROCARBONS
Charles W. Montgomery and George L. Sumner, Jr., Oakmont, Pa., and Lloyd Berg, Bozeman, Mont., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application January 20, 1947, Serial No. 723,210
13 Claims. (Cl. 260—683.2)

1. A method for isomerizing olefin hydrocarbons which comprises passing said hydrocarbons under isomerization conditions over a catalyst consisting of alumina impregnated with gaseous, anhydrous hydrogen fluoride.

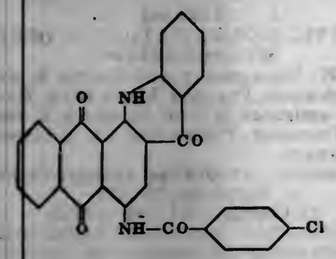
2,568,965
COAL ACID ESTERS AS SYNTHETIC LUBRICANTS
Charles W. Montgomery and William I. Gilbert, Oakmont, and Robert E. Kline, Penn Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application May 26, 1947. Serial No. 750,644
19 Claims. (Cl. 252—29)

1. A process of reducing the coefficient of friction between metal surfaces moving in contact with and relative to each other which comprises lubricating said surfaces by a film of a substantially neutral ester of a monohydric alcohol and the mixture of aromatic acids obtained by the oxidation with gaseous oxygen at a temperature from about 200° to about 300° C. and at a pressure from about 500 to about 1200 pounds per square inch of an aqueous alkaline slurry of a finely divided carbonaceous material selected from the group consisting of coal and coke obtained by the carbonization of coal at temperatures below 700° C., the acidification of the resulting alkaline solution to liberate said acids and the extraction of said acids with an organic water-immiscible solvent which will remove the acids.

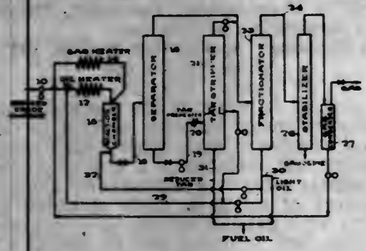
10. A lubricant composition comprising a major amount of a mineral lubricating oil and a minor amount, at least sufficient to retard rusting, of a substantially neutral ester of a monohydric alcohol and the mixture of aromatic acids obtained by the oxidation with gaseous oxygen at a temperature from about 200° to about 300° C. and at a pressure from about 500 to about 1200 pounds per square inch of an aqueous alkaline slurry of a finely divided carbonaceous material selected from the group consisting of coal and coke obtained by the carbonization of coal at temperatures below 700° C., the acidification of the resulting alkaline solution to liberate said acids and the extraction of said acids with an organic water-immiscible solvent which will remove the acids.

2,568,966
4-p-CHLOROBENZOYLAMINOANTHRAQUINONEBENZACRIDONE
Eduard Mörgeli, Neue Welt, near Basel, and Walter Kern, Sissach, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application March 9, 1945, Serial No. 581,969. In Switzerland December 28, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 28, 1963
1 Claim. (Cl. 260—277)

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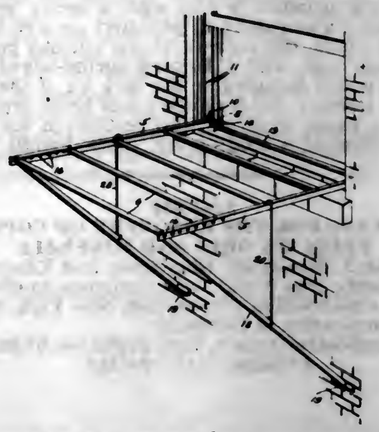


2,568,967
CRACKING PROCESS
William C. Offutt and Merald Clark Fogle, Oakmont, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 15, 1946, Serial No. 662,213
10 Claims. (Cl. 196—66)



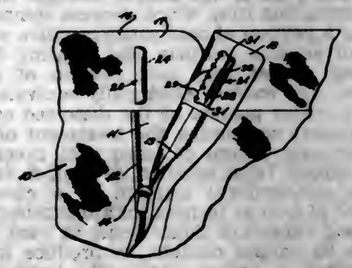
1. A process for cracking a heavy petroleum hydrocarbon fraction containing residual constituents to obtain gasoline without preliminary separation of such residual constituents which comprises heating said heavy fraction at a temperature and for a time sufficient to cause partial vaporization but insufficient to cause coking, heating a gas to a temperature substantially higher than the temperature of heating of said heavy fraction but not so high as to cause substantially instantaneous coking upon contact with said heated heavy fraction, charging both vaporized and unvaporized portions of said heavy fraction together with said heated gas to a reaction zone containing no catalyst and further vaporizing said unvaporized portion and subjecting it to vis-breaking, thereby producing minimal amounts of unvaporized residuum, passing the unvaporized portions of said heavy fraction rapidly through said reaction zone without substantial coking, and maintaining the vaporized portions of said heavy fraction in said reaction zone for a time sufficient to cause substantial cracking of said vaporized portions.

2,568,968
UTILITY WINDOW BRACKET
Malcolm Lee Perrin, Oklahoma City, Okla.
Application July 15, 1948, Serial No. 38,930
1 Claim. (Cl. 248—236)



A portable window scaffold, comprising horizontal parallel supporting bars and transversely disposed bars connecting said supporting bars, channel-shaped shoes having their open sides disposed outwardly, secured to the outer surfaces of the supporting bars, said supporting bars and channel-shaped shoes having registering openings, an expanding member including telescoping sections longitudinally adjustable with respect to each other, said telescoping sections having reduced ends fitted within the openings of the supporting bars and shoes, adapted to expand the supporting bars forcing the shoes outwardly closely engaging the guide securing the scaffold within the window frame, and lower brace bars connected with the supporting arms adapted to rest against a building with which the scaffold is used, and hooks pivotally connected with the lower brace bars and hooked over the horizontal parallel supporting bars, holding the lower brace bars in predetermined spaced relation with respect to the parallel supporting bars.

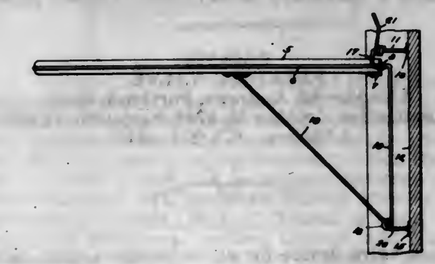
2,568,969
FASTENING DEVICE FOR THE WAISTBAND OF TROUSERS AND THE LIKE
Raymond H. Reiss, New York, N. Y., and Paul R. T. Hahn, Westfield, N. J., assignors to Reiss Manufacturing Corporation, Wilmington, Del., a corporation of Delaware
Application November 25, 1946, Serial No. 712,170
15 Claims. (Cl. 2—234)



1. The combination with a garment having a placket or fly opening, a waistband terminating in overlapping end portions at the upper end of

said opening and separable closure means for the opening, of a fastener for the overlapping portions of the waistband, said fastener comprising substantially rigid, vertically elongated members secured in juxtaposed relation, respectively, to the inner and outer faces of said portions in spaced relation to the ends thereof, and concealed by the overlap thereof, each of the members being of substantially uniform cross-sectional shape from end to end and having a part complemental to and interfitting with a part of the other, said parts being shaped for inter-engagement by relative endwise movement of the members only, to be retained in interfitting relation against lateral separation, said members being restrained against relative endwise movement and inadvertent separation by said closure means for the opening, when the latter is in operative relation retaining the opening closed.

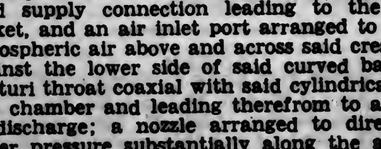
2,568,970
COMBINED IRONING BOARD AND IRONING BOARD SUPPORTING MEANS
John Franklin Roesel, Wildwood, Fla.
Application August 3, 1948, Serial No. 42,240
5 Claims. (Cl. 38—126)



1. In an ironing board for securing to a supporting surface, a board section, an angle plate secured over the edge of the board section at one end of the board, the ends of the plate extending beyond the side edges of the board section, said angle plate having openings in the extended ends thereof, supporting rods secured to the supporting surface, offset portions formed at the upper ends of the supporting rods, said offset portions of the rods being disposed within said openings of the angle plate providing a hinge for the ironing board section, and brace rods connected with the ironing board section.

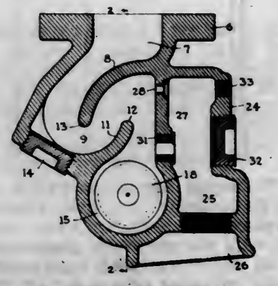
2,568,971
PREPARATION OF SUBSTITUTED PTERIDINES
Barbara Roth, Middlesex, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 3, 1949, Serial No. 131,048
7 Claims. (Cl. 260—251.5)

1. A method which comprises reacting together a member of the group consisting of 2,4,5-triamino-6-alkoxypyrimidines and 2,4,5-triamino-6-aralkoxypyrimidines, a member of the group consisting of 2,3-dihalopropionaldehydes and 1,1,3-trihaloacetones and a member of the group consisting of para-aminobenzoic acid, and amides thereof whereby compounds having the general formula:



in which R is a member of the group consisting of hydroxyl, amino and amino acid radicals, are produced and recovered.

2,568,972
SAND TRAP
Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 15, 1950, Serial No. 161,951
8 Claims. (Cl. 291—11)

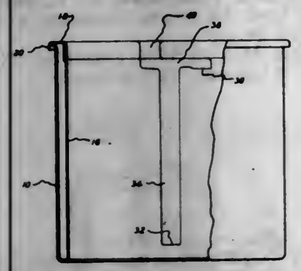


6. In a rail sander, the combination of a body having a sand pocket one wall of which curves upward to form a dam and terminates in a crest, a generally cylindrical suction chamber arranged with its axis beneath said crest so that sand flowing over the crest tends to fall approximately diametrically through said chamber, a baffle curved oppositely to the curved wall of the sand pocket and extending from one wall of the body over said suction chamber and crest and thence curving downward to a point near the middle of the pocket at a level below the crest, a gravity sand supply connection leading to the sand pocket, and an air inlet port arranged to direct atmospheric air above and across said crest and against the lower side of said curved baffle; a Venturi throat coaxial with said cylindrical suction chamber and leading therefrom to a point of discharge; a nozzle arranged to direct air under pressure substantially along the axis of said suction chamber and into said throat; and means forming a second air inlet port arranged to direct atmospheric air in a direction approximately tangential to the cylindrical suction chamber across the top of the chamber and below said crest.

2,568,973
DEEP WELL COOKER WITH ADJUSTABLE HEATING ELEMENT
Kilbourn H. Snow, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a corporation of Ohio
Application April 26, 1946, Serial No. 665,619
1 Claim. (Cl. 219—37)

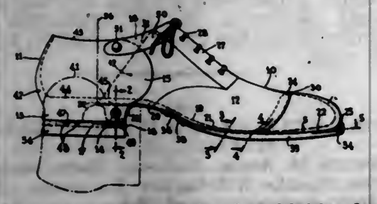
A combination deep well and top burner assembly for electric stoves and the like in which the burner is solely supported within the deep well by the wall structure thereof and is manu-

ally raised and lowered and is removable from the deep well for cleaning purposes, comprising a deep well structure having inner and outer spaced apart substantially cylindrical walls, with the inner wall having an annular series of vertical grooves pressed outwardly therein in spaced relation along the inner surface thereof and out of contact with the outer wall, said vertical grooves terminating at their lower ends in horizontal shoulders consisting of an integral part of the inner wall and located above the lower end thereof, each of said guide slots being provided at its upper end with a laterally extending cross slot below the top of the inner wall of the deep well structure and substantially at the upper position of the burner element, whereby the vertical and cross slots present a sub-



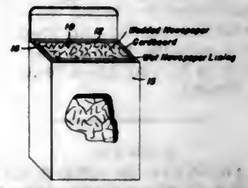
stantially T-shaped formation at the upper end, and said substantially T-shaped formation having a depressed horizontal support recess at one end and having an upwardly presented entrance groove at its other end with said supporting recess and said entrance groove out of direct alignment with the vertical groove, an electric burner element movable within the deep well adjustable to lower and upper positions of use in the bottom of the well and top of the well respectively and removable through the open top of the well, and peripherally extending horizontally disposed supporting lugs on the burner received and movable within the slots to rest against the horizontal shoulders of said slots in the lowered position and to rest within the horizontal recesses of the T-shape formation when in the raised position of the burner.

2,568,974
VAMP AND SOLE CONNECTION
John P. Tarbox, Philadelphia, Pa.
Original application April 25, 1945, Serial No. 589,722. Divided and this application May 20, 1947, Serial No. 749,290
2 Claims. (Cl. 36—12)



1. A shoe comprising a sole of moldable plastic material and an upper, the lower edge of which upper is extended downwardly over the lateral edges of the sole and beneath the under edges of the same where it is secured to the sole, in which the under edge of the sole is rabbeted for the thickness of the lower edge of the upper and the lower edge is secured in the rabbet, in combination with an overlying toe wall of plastic material molded integrally with the sole and having its rear edge rabbeted on its upper side, the front edge of the upper being secured therein, the said latter rabbet being surmounted by an ornamental bead adjoining the shoulder of the rabbet.

2,568,975
LIGHTWEIGHT REFRIGERANT BLOCK
Robert E. Warne, Honolulu, Territory of Hawaii
Application November 22, 1948, Serial No. 61,483
3 Claims. (Cl. 62—1)



1. A light weight refrigerant adapted to be placed within a shipping case to preserve lightweight perishable goods packed therein, comprising wadded absorbent water-soaked paper that has been packaged in a container, drained, and then frozen, the refrigerant container comprising a cardboard carton lined with wet paper.

2,568,976
FLEXIBLE VALVE
Alvadore M. Andrews, Portland, Oreg.
Application October 30, 1948, Serial No. 57,610
4 Claims. (Cl. 251—119)

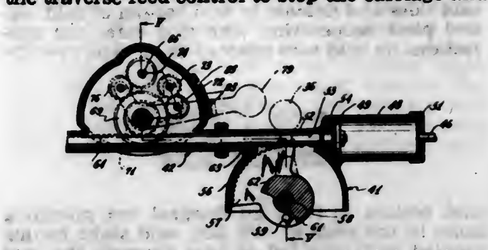


1. A valve device for an inflatable article, said valve comprising a valve body including a pair of walls of flexible material, a pair of coextensive adjacent edges of said walls being free from each other at one end of said body and defining a valve mouth, an air passage opening in the median area of one of said walls and communicating with said mouth in the separated condition of said walls and mouth edges permitting free passage of air through said body, one of said walls adjacent said valve mouth including a relatively stiff resilient portion extending transversely of said body throughout the full width of said mouth and having a natural bias tending to cause it to assume an arcuate shape in the direction transversely of said body and alined with said mouth edges whereby the mouth edge portions of said walls are normally held in close contact with each other.

2,568,977
AUTOMATIC TRAVERSE STOP AND TOOL RETRACTOR
Charles A. Bailled, Bell Gardens, Calif.
Application September 16, 1946, Serial No. 697,327
5 Claims. (Cl. 82—21)

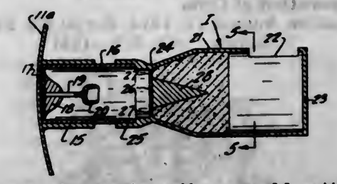
An attachment for a lathe carriage having a traverse feed control and a cross feed comprising a motor mounted on the carriage, a connection between the motor and the cross feed for driving the cross feed in a direction to retract a cutting tool carried thereby, a connection between the traverse feed control and the motor, and a control device associated with the motor whereby

operation of the motor simultaneously actuates the traverse feed control to stop the carriage and



simultaneously drives the cross feed to retract the cutting tool.

2,568,978
APPARATUS FOR FORMING MOLDS AND INVESTING PATTERNS
Claude R. Baker, Chapel Hill, N. C.
Application September 27, 1950, Serial No. 187,084
4 Claims. (Cl. 18—5.7)



1. Apparatus for investing a mold pattern, said apparatus comprising means defining a supply chamber, means defining an investment chamber disposed outwardly from said supply chamber in end to end axially arranged relation thereto, a dividing partition interposed between said two chambers, said partition having annular intercommunication means formed around the marginal peripheral portion thereof, and a substantially conical guiding and confining member having its base mounted on said partition within said annular inter-communication means and extending from said partition into said supply chamber, said apparatus being adapted to be centrifugally revolved with the investment chamber disposed outwardly of the supply chamber to force the material from said supply chamber through said inter-communication means and produce a Venturi action to remove the air bubbles and a substantial portion of the moisture from said investment material to densify said material.

2,568,979
REINFORCED INSULATION ASSEMBLY
Merle E. Barnhart and Lee F. Miller, Frederick, Md., assignors to Price Electric Corporation, Frederick, Md., a corporation of Maryland
Application June 10, 1946, Serial No. 675,792
2 Claims. (Cl. 242—118)



1. A spool for an electric coil, said spool comprising a magnetic metal core, an insulation tube on said core, and flanges on said tube, at least one of said flanges comprising a metal annular disk and an annular insulation disk adhering to said metal disk by an adhesive layer, said insulation disk being beveled against the outer periphery of said metal disk to form a tight rim seal between said insulation disk and said metal disk.

2,568,980
CARBONATING MACHINE
George W. Bayers, Jr., Denver, Colo., assignor of one-half to George W. Bayers, Denver, Colo.
Application April 16, 1948, Serial No. 21,470
2 Claims. (Cl. 261—19)

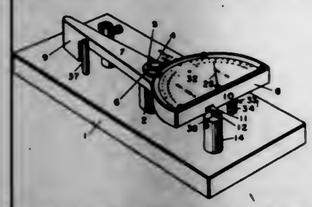


1. A carbonating element for use in a carbonating device having a supply of water under pressure, a tank containing liquid CO_2 and a dispensing faucet, said element comprising an elongated body having an axial opening forming a carbonating chamber, the opening extending through the body from one end to the other, a removable cap threadedly connected with one end of said body, said cap having an opening axially aligned with the aforesaid axial opening adapted to be communicated with the gas supply through a pressure reducing valve, an axially movable check valve in said cap opening inwardly and adapted to rest on a seat surrounding the opening in the cap, the body having a water inlet opening in communication with the carbonating chamber, the wall of the latter having an integral valve seat positioned between the water inlet opening and the check valve in the cap, said valve seat flaring towards the water inlet opening, a valve in the carbonating chamber positioned to engage the valve seat, spring means for urging the valve against the seat, the last named valve having a stem that extends across the water inlet and a free end forming a guide stem extending into the axial opening in a direction beyond the valve seat toward said cap, the stem that extends across the water inlet having a radial flange on the outlet side of the water inlet, whereby when water flows towards the dispensing faucet, it will exert a force tending to move the valve from the seat to permit free flow of CO_2, the carbonating chamber having an enlarged portion into which said last named valve may move to provide a relatively large CO_2 passageway when the valve is open to maximum flow capacity, the other end of the axial opening in the body forming an axial discharge conduit for connection with the faucet.

2,568,981
COMPARATOR GAUGE
William Ogle Bennett, Jr., Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application February 19, 1946, Serial No. 648,609
1 Claim. (Cl. 33—148)

A comparator gage for measuring small parts, comprising a base, a stationary post on said base for supporting a workpiece to be measured, a second post on said base, a lever pivotally mounted on said second post, said lever having one end in the form of a semi-circle, a gear train at and within the confines of said semi-circular end, an

arm pivotally mounted and projecting beyond said semi-circular end, said arm being operatively connected to said gear train, a semi-circular dial carried by the semi-circular end of said lever, a pointer connected to said gear train and translating the movement of said gear train to indicia



carried by said dial, adjustable means for limiting the movement of said lever, said arm being mounted to contact said workpiece during the last portion of the pivotal movement of said lever to measure that portion of the movement of said lever.

2,568,982
MECHANICALLY OPERATED CHECK VALVE
Alex Bertea, deceased, late of Pasadena, Calif., by H. Dexter McKay, executor, Puente, Calif.
Application December 2, 1949, Serial No. 130,692
4 Claims. (Cl. 277—43)



1. In a check valve, the combination of: a valve housing provided with an inlet and an outlet; an annular main valve seat positioned in the housing; a main valve member cooperating with said valve seat; a supplementary valve seat formed on the main valve member and passages extending through the main valve member and opening into said supplementary valve seat, both main and supplementary valve seats being positioned in the direct path of fluid flowing through the check valve; a supplementary valve cooperating with said supplementary seat; a cap member arranged for sliding movement on the exterior surface of the main valve member and extending over the supplementary valve seat thereof; a disk, constituting a supplementary valve, maintained in operative relation to said supplementary valve seat by said cap; an end closure member for said housing; a spring arranged between said closure member and said cap and effective to yieldably urge both the main and supplementary valves toward their respective valve seats; and an operating member effective to guide the main valve member in its movement, and when operated, to first engage with and open the supplementary valve and then the main valve.

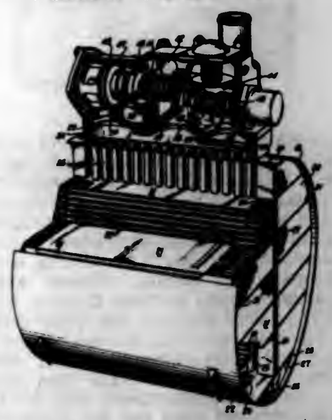
2,568,983
KEEPER
Frank Ellison Best, Indianapolis, Ind.
Application January 28, 1949, Serial No. 73,327
1 Claim. (Cl. 292—340)

In a bolt strike of the box type adapted to be integrally secured to a door jamb, the combination of elements comprising a face plate, a box and a bent stake, said face plate having ears integral therewith forming the ends of said box, a second piece with two right angle bends forming the sides and bottom of said box, bent ends on said sides and notches in said bottom of said second piece cooperating with said ears, and projections on said ears adapted to be bent over the



said bottom to form an integral box providing holes in the ends of said box, said stake having pointed ends adapted to pass through the said holes and interlocking, upon straightening said bent stake, said box strike to said door jamb through said holes.

2,568,984
HEAT EXCHANGE UNIT
Chester A. Bowsher, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application August 11, 1944, Serial No. 549,018
7 Claims. (Cl. 257—128)

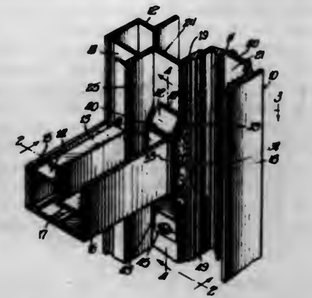


1. In an oil temperature regulator or the like, a casing, inlet and outlet openings in said casing for the oil or other fluid to be passed therethrough, a plurality of heat exchange tubes in said casing arranged for the flow of said oil or other fluid therearound and for the passage of another fluid therethrough, said tubes having ends expanded with respect to the medial portions thereof and being assembled in stacked rows with their ends in nested relation, one or more baffles disposed as partitions in said tube assembly with at least one end of the baffle lying between the expanded ends of tubes of adjacent rows at one end of the tube assembly, and a spacing clip on said end of the baffle corrugated to provide on the upper and lower surfaces of the baffle formations complementing and receiving the expanded ends of said tubes.

2,568,985
WINDOW CONSTRUCTION
Theron F. Brenneman, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1947, Serial No. 753,610
2 Claims. (Cl. 20—52.4)

2. In a window construction having upper and lower sash members and side frame members

provided with vertical guideways for the lower sash member, said sash members having meeting rails which extend between said side frame members and which are spaced at the ends from said side frame members, a weather strip comprising a felt block and a hard metal securing plate member adapted to be positioned between the ends of the meeting rails and the adjacent side frame member to fill the space therebetween when the window is in the closed condition, said



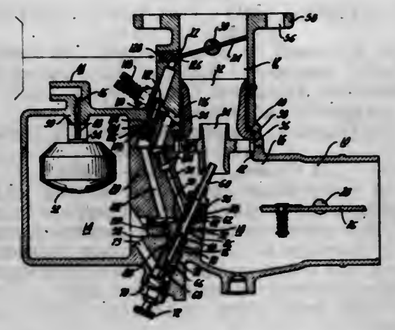
felt block having beveled ends and a side flange portion, said side flange portion being adapted to extend into the guideway for said lower sash, said securing plate member having beveled ends conforming to the beveled ends of said felt block, one of said beveled ends having a hook formation for engagement in a slot in the side frame member and the other of said ends having a removable fastening screw for securing the same in fixed relation on the side frame member.

2,568,986
FISHLINE REEL
George Raymond Brown, Springfield, Mass.
Application September 18, 1947, Serial No. 774,839
1 Claim. (Cl. 242—84.4)



A fishline reel construction for association with a fishing rod comprising in combination, a housing adapted to be secured to a fishing rod, an operating shaft rotatable relative to said housing, a stem reciprocable in said housing longitudinally on an axis opposed to the axis of rotation of said operating shaft, operative connections between said operating shaft and stem for reciprocating said stem by rotation of said operating shaft, a flyer rotatable relative to said housing, means connecting said operating shaft and flyer for rotating said flyer by rotation of said operating shaft, a line-carrying spool engageable on said stem and reciprocable therewith as said stem reciprocates in longitudinal movements relative to said housing and flyer, a guide member, connecting means at opposite ends of said guide member pivotally connecting said guide member to opposite sides of said flyer for movement of said guide member between line-casting and guiding positions relative to said flyer, a straight plunger reciprocable radially in said flyer and having an outer free end for releasably engaging one of said connecting means at an end of said guide member and holding said guide member in the line-casting position, the said one of said connecting means having an opening disposed to receive the outer end of said plunger, spring means urging said plunger outwardly, a cam carried directly on said plunger, cam means fixed to said housing positioned to engage said first mentioned cam and actuate said plunger and releasing said guide member from the line-casting position upon rotation of said flyer, and means for movement of said guide member from line-casting to guiding position upon release from the line-casting position, all adapted and arranged whereby upon rotation of said operating shaft said guide member is swung from a line-casting to a guiding position for accomplishing a line-winding operation.

2,568,987
CARBURETOR
Richard J. Brunner, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 20, 1946, Serial No. 717,486
4 Claims. (Cl. 261—41)

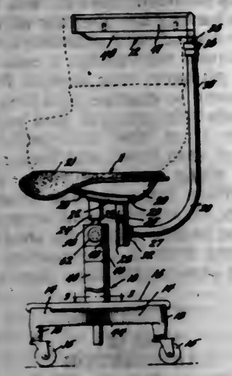


1. In an engine carburetor having an induction passage with a throttle valve therein, a fuel supply system comprising a main discharge jet adapted to supply fuel to said induction passage anterior to said throttle valve, a variable metering orifice in said discharge jet, a fixed metering orifice in said jet posterior to said variable orifice, a conduit communicating at one end with said discharge jet between said orifices and posterior to said fixed orifice and at the other end with the induction passage on the engine side of said throttle valve, a check valve in the conduit adapted to prevent backflow of air and fuel in said conduit, and a duct for supplying air to said conduit posterior to said check valve.

2,568,988
DENTIST'S CHAIR
Wyatt Bentley Childs, Macon, Ga.
Application October 2, 1950, Serial No. 187,987
7 Claims. (Cl. 155—157)

1. A dentist's chair, comprising, in combination, a base, a seat structure supported on said base for rotation about a generally vertical axis, and a body rest supported on said seat structure, said rest extending upwardly from said seat structure and including a body engaging portion, means mounting said body rest on said seat structure for pivotal movement about a generally vertical axis adjacent said first-named axis, said body engaging portion being remote from the rest axis,

whereby said body engaging portion may be swung through a substantial arc to engage with



either side or with the back of an occupant of the chair without rotating said seat structure.

2,568,989

STABILIZED VINYL CHLORIDE POLYMER COMPOSITIONS

Elmer E. Dewell, St. Louis County, and Joseph R. Darby, Richmond Heights, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 27, 1949, Serial No. 90,054
11 Claims. (Cl. 260—45.85)

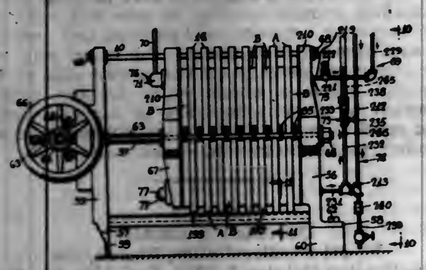
1. A composition comprising a vinyl chloride polymer, a mono alkyl diaryl phosphate in which the alkyl group contains 6–14 carbon atoms and the aryl groups are from the group consisting of phenyl and cresyl groups and, as a light stabilizer therefor, a tetra hydro furfuryl ester of an unsaturated fatty acid containing 10–20 carbon atoms.

2,568,990

DIALYSIS PROCEDURE

Frederick K. Daniel, Kew Gardens, N. Y.

Application October 2, 1947, Serial No. 777,574
4 Claims. (Cl. 210—8.5)



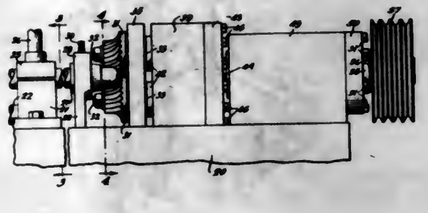
1. A method of operating a dialysis apparatus having alternating rigid and elastic frames forming chambers separated by semi-permeable membranes, said chambers alternately carrying a downwardly flowing dialyzing liquid and an upwardly flowing solution to be dialyzed, which comprises recovering fully dialyzed solution from the solution chambers when the solution inflow is discontinued by gradually expanding the semi-permeable membranes into said solution chambers.

2,568,991

MACHINE AND METHOD FOR CLOSING METAL TUBES

Clarence L. Dewey, Elkhart, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application March 11, 1943, Serial No. 478,843
3 Claims. (Cl. 78—89)



3. In a machine for inturning the ends of metal tubing, a plurality of elongated reducing rolls of generally circular cross-section having working faces contoured to impart the desired inturned shape to a tube end and arranged to define a gradually converging opening or roll pass to receive the end of the tube, said faces each being provided with a series of circumferentially-spaced blunt ridges each extending somewhat longitudinally of the tube and at an oblique angle to the adjacent axial plane of the tube through the contacting ridge and functioning to exert sequentially engaging, spaced, progressively advancing reducing point impacts on the tube wall without chatter and resultant mutilation when rotated each on its own axis, a rotatably mounted head carrying bearings for said rolls, means for rotating said head to revolve the rolls around the axis of the tube being inturned, means for gripping the tube against rotation and advancing the tube in the direction of convergence of said opening or roll pass with the axis of the tube in coincidence with the axis of revolution of the rolls, and means for imparting positive rotation to the rolls during their revolution around the tube.

2,568,992

TREATMENT FOR DRILLING FLUIDS

Todd Michael Doscher, West Los Angeles, Calif., assignor to Oil Well Chemical & Materials Co., Inc., Los Angeles, Calif., a corporation of California

No Drawing. Application October 22, 1947, Serial No. 781,493
9 Claims. (Cl. 252—8.5)

1. An improved drilling fluid for oil and gas wells comprising a clay, water fluid of suitable viscosity for use in oil and gas well drilling to which has been added an amount of a preferentially oil soluble high molecular weight alkali metal alkyl aryl petroleum sulphonate sufficient to substantially reduce the fluid loss of said clay water drilling fluid and an amount of petroleum oil as an antifoaming agent at least sufficient to inhibit foaming of the resulting drilling fluid, said sulphonate being further characterized by being compatible with both said water base drilling fluid and said antifoaming agent.

2,568,993

PURIFICATION OF PARA-CAPROYLAMINOBENZENESULFONHYDROXAMIDE

Charles M. Eaker, Affton, and Ferdinand B. Zienty, Brentwood, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 14, 1949, Serial No. 76,497
5 Claims. (Cl. 260—397.7)

1. The process for the purification of crude para - caproylaminobenzenesulphonhydroxamide comprising the recrystallization of crude para-caproylaminobenzenesulphonhydroxamide from an inert organic solvent, filtering the recrystallized para-caproylaminobenzenesulphonhydroxamide crystals, washing the crystals with a solution of a buffer in an inert solvent, said solution having a pH in the range of from about 5.0 to about 9.0 and drying the crystals of para-caproylaminobenzenesulphonhydroxamide at a temperature in the range of from about 30° C. to about 100° C.

2,568,994

PURIFICATION OF PARA-CAPROYLAMINOBENZENESULFONHYDROXAMIDE

Charles M. Eaker, Affton, and Ferdinand B. Zienty, Brentwood, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 14, 1949, Serial No. 76,498
6 Claims. (Cl. 260—397.7)

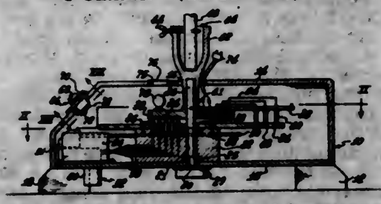
1. The process for the purification of crude para - caproylaminobenzenesulphonhydroxamide comprising the recrystallization of crude para-caproylaminobenzenesulphonhydroxamide from an inert organic solvent, filtering the recrystallized para-caproylaminobenzenesulphonhydroxamide crystals, washing the crystals with a solution of an alkaline salt of alkali metal in an inert solvent and drying the crystals of para-caproylaminobenzenesulphonhydroxamide at a temperature in the range of from about 30° C. to about 100° C.

2,568,995

AUTOMATIC CHIME AND CHRISTMAS TREE HOLDER

George Eckhardt, Jr., Los Angeles, Calif.

Application November 21, 1949, Serial No. 128,569
8 Claims. (Cl. 84—102)



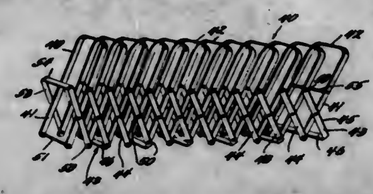
1. A musical instrument comprising: a vertical shaft and pedestal block arranged to support the shaft for rotation, including a thrust bearing adjacent the upper end of the shaft; a motor connected to the lower end of the shaft; a sweep arm carried by the upper part of the shaft and resilient switch means carried by the sweep arm; a stationary record disc of dielectric material beneath the sweep arm, said disc being provided with a reproducible sound record comprising a series of metallic electrical contacts arranged in a circular path, said contacts being spaced in accordance with tempo of a melody; a plurality of chime bars, each of a desired tone; a striker and striker actuating means for each chime bar; and an electrical circuit for each chime bar connecting contacts corresponding to each tone to a striker actuating means associated with a chime bar of such tone and through the resilient switch means with a source of energy whereby the striker actuating means are selectively energized in accordance with the placement of the contacts in the path of the switch means.

2,568,996

COLLATOR RACK

Luther W. Evans, Richmond, Va., assignor to Evans Specialty Company, Inc., Richmond, Va., a corporation of Virginia

Application October 7, 1946, Serial No. 701,805
10 Claims. (Cl. 211—10)



1. An extensible and collapsible rack of the class described comprising, in combination, a series of continually parallel, bowed, arched, U-shaped, strap-like, wicket members each having a pair of legs spaced transversely of the rack, and a crossing arch portion extending from one leg to the other at the outward portion of the rack, said wicket members adapted to define between them compartments for the reception of articles when the rack is in an extended position, and means cooperating with said wicket members to provide upon the respective sides of the rack a pair of spaced parallel lazy-tong structures at the inward portion of the rack, said last named means including another series of continually parallel, bowed, arched, U-shaped, strap-like, wicket members, inverted with respect to said first named series and having their legs overlapping the legs of the members of the first named series, and means for frictionally pivotally securing said overlapping legs separately upon both sides of the rack at the plurality of points necessary to afford said lazy-tong structure, said last named means comprising friction hinges, the pintles of which project transversely no further than necessary to connect the overlapping legs on the respective sides of the rack, the intermediate side portions adjacent the lazy-tong pivots thus being free of cross connections, and the arch portions of the two sets of U-shaped wicket members being the sole crossing elements from one side of the rack to the other at least at all points intermediate the longitudinally spaced ends of the rack.

2,568,997

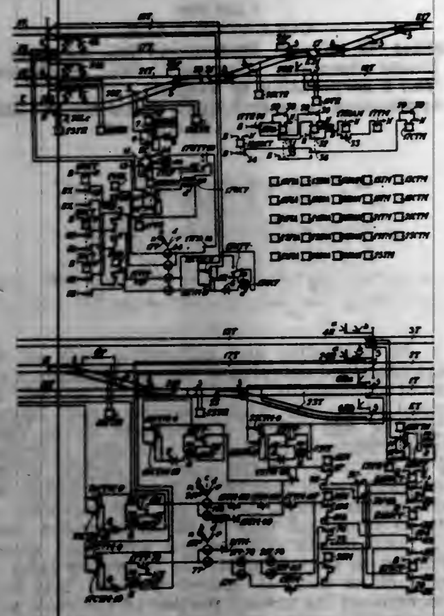
RAILWAY TRAFFIC CONTROLLING APPARATUS

Charles W. Failor, Forest Hills, and John R. Henderson, Wilkinsburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application January 15, 1948, Serial No. 2,398
10 Claims. (Cl. 246—26)

4. In railway traffic controlling apparatus for a track section at an interlocking plant, in which said section is provided with a track circuit including a source of direct current connected across one end of the section and a code following track relay connected across the opposite end of the section for controlling a wayside signal,

in which a source of alternating current for controlling cab signals is connected across the same end of the section as said direct current source, the combination comprising, a detector relay controlled by a front contact of said track relay, a second detector relay controlled by a back contact of said track relay in series with a front contact of said first detector relay, a code repeater relay having an energizing circuit controlled by a cod-



ing contact in series with a front contact of said second detector relay and having a second energizing circuit controlled by a front contact of said first detector relay in series with a back contact of said second detector relay, and a back contact of said code repeater relay connected in series with said direct current source and with said alternating current source across said one end of said section.

2,568,998
DEVICE FOR REMOVING AND REPLACING SLEEVES
Karl Gill Fletcher, Fort Dodge, Iowa
Application December 29, 1948, Serial No. 67,965
1 Claim. (Cl. 29—266)



An expansion foot for pulling sleeves, a body portion with straight sides and rounded ends, slot openings in the rounded ends of said body portion, tongue members slidably mounted in said slot openings having their outer ends rounded, to straight sided aligning projections on the two rear corners of each of said tongue members slidably engaging the straight sides of said body portion, respectively, a means for limiting the outward movement of said tongue members, springs yieldingly urging said tongue members outwardly; said springs exerting pressure on each rear corner of each of said tongue members.

2,568,999
AUTOMATIC FISH-HOOKING DEVICE
John Gunser, Chicago, Ill.
Application June 13, 1949, Serial No. 98,700
4 Claims. (Cl. 43—15)

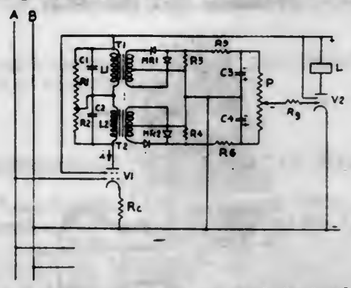


4. Automatic fish-hooking means comprising, tubular body means, line attaching plug means secured to one end of the said tubular body means, trigger including a trigger pin assembly means mounted slidably within the confines of the said tubular body means, spring means interconnecting the said trigger assembly means to the said line attaching means, resilient trigger engaging mounts secured intermediately the ends of the said tubular body means adapted to releasably engage the said trigger assembly means, locking cap means slidably secured to one end of the said tubular body means and adapted to releasably engage the said resilient trigger engaging mounts, flange means interiorly of the said locking cap means, stop means on the end of the said tubular body means to limit the relative movement of the said locking cap means, tension adjusting nut means threadably secured to the said tubular body means at a point adjacent the point of anchorage of the said resilient trigger engaging mounts to afford variable adjustment to the release thereof, flexible wire means connected to the trigger pin of the said trigger assembly means, and shoulder collar means secured to the said trigger pin for tripping the said locking cap means.

2,569,000
FREQUENCY SELECTIVE CIRCUIT
Bertram Morton Hadfield, Harrow Weald, England, assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application March 24, 1945, Serial No. 584,699
In Great Britain May 22, 1944
15 Claims. (Cl. 250—27)

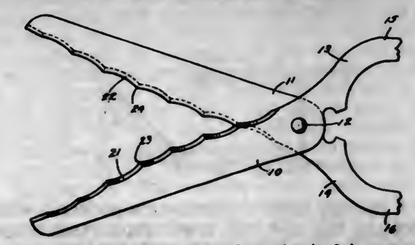
1. In a frequency selective system, a pair of resonant circuits having input circuits serially

connected with one another and each of said input circuits being individual to one of said resonant circuits for energization thereof, each of said resonant circuits having the same resonance frequency, each of said resonant circuits having a Q value, the Q value of one of said resonant circuits being different than the Q value of the other of said circuits, means in each of said resonant circuits responsive to their energization from sources of potential to derive a voltage for each of



said resonant circuits, one of said derived voltages being proportional to the Q value of said one resonant circuit, the other of said derived voltages being proportional to the Q value of said other resonant circuit, said resonant circuits arranged to combine their respectively derived voltages in opposition to each other, the resultant value of said combined voltages thereby being proportional to the difference of said Q values of the resonant circuits.

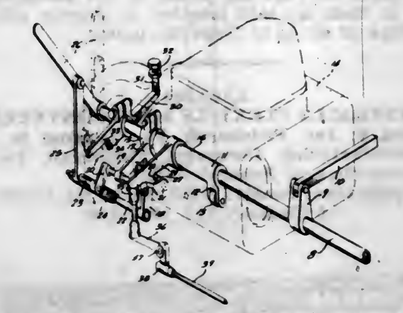
2,569,001
HEDGE SHEAR
Richard E. Herr, Alliance, Ohio, assignor to The Lewis Engineering and Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application October 29, 1947, Serial No. 782,842
5 Claims. (Cl. 30—254)



2. In a shear having blades pivoted to one another and cutting edges formed on the opposed edges of the said blades, a plurality of scallops formed in end to end relation in the said cutting edges, each scallop lying wholly in the area between the imaginary line joining the cusps of the scallop and a tangent line drawn from the outermost cusp of the scallop to the center of the pivot point of the blades.

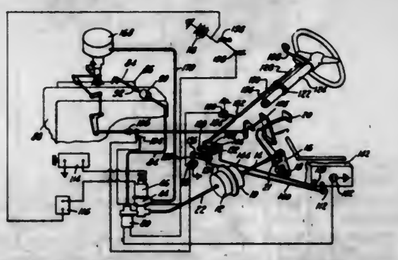
2,569,002
DUAL FUEL INTERNAL-COMBUSTION ENGINE
John H. Holloway, Green Bay, and Kenneth G. Jones, De Pere, Wis., assignors to Murphy Diesel Company, Milwaukee, Wis., a corporation of Delaware
Application May 14, 1949, Serial No. 93,234
2 Claims. (Cl. 123—27)

1. In a dual fuel compression ignition internal combustion engine, the combination of means for controlling the amount of fuel oil supplied to the engine including a metering control shaft, means for controlling the amount of gas supplied to the engine including a gas admitting valve, a governor operated member, and means for connecting said member with either said control shaft or said valve including a lever secured to said member, a lever secured to said shaft, a gas control member, and a manually shiftable means pivoted to the lever secured to



said member, said manually shiftable means having a part movable into engagement with the lever secured to said shaft for controlling said shaft by said governor operated member when the engine is operated on oil as fuel and having another part movable to locked engagement with said gas control member when the engine is operated on gas, and means for shifting said metering control shaft to a pilot fuel charge position when said shiftable means has been moved to put the engine on gas.

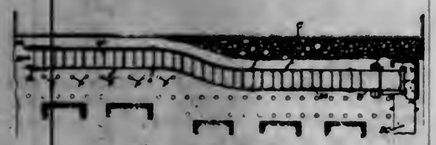
2,569,003
CLUTCH CONTROL MECHANISM
Edward E. Hupp, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 27, 1945, Serial No. 612,812
6 Claims. (Cl. 192—.052)



1. In an automotive vehicle provided with a friction clutch, power means for operating said clutch to effect a disengagement of the clutch and a controlled engagement thereof said power means comprising a pressure differential operated motor the power element of which is operably connected to the clutch, and valve means for controlling the operation of said motor including a hollow casing ported to provide an atmospheric vent opening, a port to be connected to the aforementioned motor, a port to be connected with a source of vacuum, a reciprocable three-way valve member housed within said casing said member being movable to one position to interconnect the two aforementioned ports and to another position to interconnect the first men-

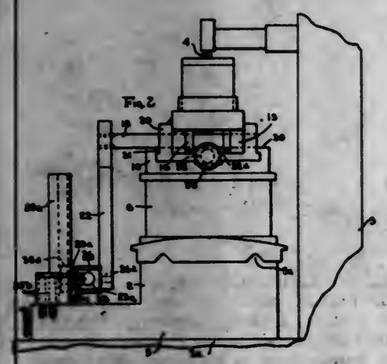
tioned port with the atmospheric vent opening, and means, within said casing, for actuating said reciprocable valve member to control the operation of the valve means, said valve actuating means including a solenoid operable, when energised, to move the valve member to the first of the aforementioned two positions, said means further including an electromagnet, a spring and a pressure differential operated diaphragm for controlling the movement of the valve member to a position to vent the motor to the atmosphere and to then lap said member to thereby cut off the flow of air to or from the motor.

2,569,004
LATERALLY FLEXIBLE MINE CONVEYER
Joseph F. Joy, Pittsburgh, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1949, Serial No. 99,291
10 Claims. (Cl. 198—109)



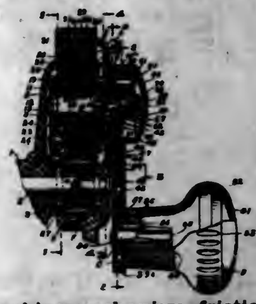
1. In a conveyor of the chain-and-flight type, a rigid drive head, a rigid tail section, laterally flexible side supports secured to the drive head and to the tail section and spaced apart at their ends thereby, and means to space the side supports between their ends, whereby lateral flexure of the conveyor causes it to form an S-shaped curve.

2,569,005
MACHINE-TOOL FIXTURE
Alexander Kindling, East Pittsburgh, Pa.
Application June 7, 1949, Serial No. 97,559
5 Claims. (Cl. 51—94)



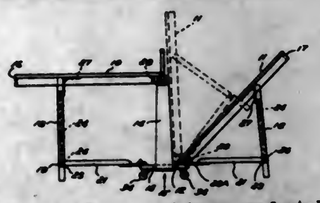
1. A machine tool fixture comprising, in combination, a base, a tilt plate pivotally mounted on said base, a pair of identical cams rotatably mounted on said base on opposite sides of said tilt plate and in engagement with said tilt plate, said cams being eccentrically displaced by 180 degrees, means for simultaneously rotating said cams in the same direction, and mechanical adjusting means connected with said cams for selectively moving said cams simultaneously towards each other and away from each other.

2,569,006
REELING MECHANISM
Frank A. King, deceased, late of Los Angeles, Calif., by William Scott King, Tujunga, and Ernest Lynn King, Los Angeles, Calif., and A W. Tedstrom, Parsons, Kans., administrators, assignors to Mary L. King, Tujunga, Calif.
Substituted for abandoned application Serial No. 520,111, January 28, 1944. This application July 25, 1947, Serial No. 763,653
12 Claims. (Cl. 244—84.6)



1. In a cranking mechanism, frictional driving and driven elements, a crank directly connected to one of said elements for rotating it in a direction corresponding to that of the crank, a handle rotatable on the crank, a simple gear train carried by said crank and driven by and upon rotation of said handle, a planetary gear drive mounted on one of the gears of said train and responsive thereto, and means responding to said planetary gear drive for moving one of said elements into driving contact with the other element.
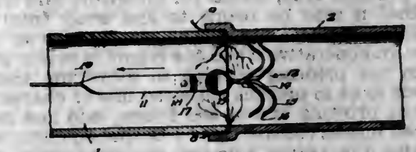
2,569,007
FOLDING TABLE
David J. Klyce, Los Angeles, Calif.
Application September 25, 1946, Serial No. 699,239
6 Claims. (Cl. 311—89)



1. A folding table comprising a pedestal with a supporting top and with lower supporting projections, two top panels having adjacent edges resting on the top of the pedestal, a latch for removably locking the adjacent edges to the pedestal, and foldable legs supporting the ends of the panels disposed outwardly from the pedestal, whereby the inner adjacent edges of the panels may be manually unlatched from the pedestal top and placed upon the lower pedestal projections and the tops may be rotated against the pedestal and the legs folded against the panels for collapsing or folding the table.

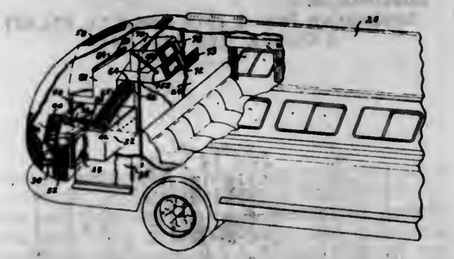
2,569,008
CLEANING TOOL HAVING HOOKLIKE ELEMENTS CONNECTED TO A FLEXIBLE ROD BY FULLY REVERSIBLE, FREELY OPERABLE HINGE JOINTS AND HOOKLIKE ELEMENTS THEREFOR
Alphons N. Kraft, Madison, Wis.
Application October 19, 1944, Serial No. 559,449
12 Claims. (Cl. 15—104.3)

1. A reciprocable cleaning tool for a main including a flexible rod, a plurality of hook-like elements and a fully reversible, freely operable,



hinge joint connecting each of said elements to one end of said rod.

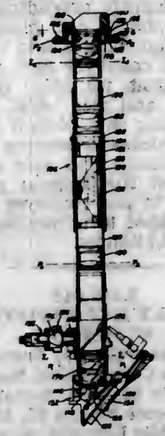
2,569,009
REFRIGERATING APPARATUS FOR VEHICLES
Leon L. Kuempel, Cincinnati, Ohio
Application February 4, 1949, Serial No. 74,559
15 Claims. (Cl. 62—6)



1. In combination with a bus having a passenger compartment and an engine compartment at the rear of the bus and having a bus engine located in the central rear portion of the engine compartment, air conditioning apparatus disposed within said engine compartment and comprising a self-contained portable refrigeration unit mounted on one side of the bus engine and a self-contained portable prime mover mounted on the opposite side of said bus engine, a jack shaft supported by said bus above said prime mover on the one side of the bus engine, first belt means drivingly connecting said prime mover to said jack shaft, and second belt means drivingly connecting said refrigeration unit and said jack shaft, said second belt means extending from the jack shaft on the one side of said bus to the refrigeration unit mounted on the other side of said bus engine.

2,569,010
GUN SIGHT
Frank V. Kuxmitz and Benjamin J. South, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 2, 1943, Serial No. 471,124
4 Claims. (Cl. 33—49)

1. In combination with a gun turret mounting guns movable in unison in azimuth and elevation, a sighting mechanism carried by said turret and including a stationary eye piece and a view piece movable simultaneously with the guns and having a field of view embracing the field of fire of said guns for viewing a target on which the guns are laid, means for indicating to a gunner peering into the eye piece the position of said guns in azimuth with respect to said gunner comprising an electrical system including signal devices located in the eye piece housing, and a switch in said electrical system constructed and



arranged to be actuated as the guns move in azimuth to control said signal devices.

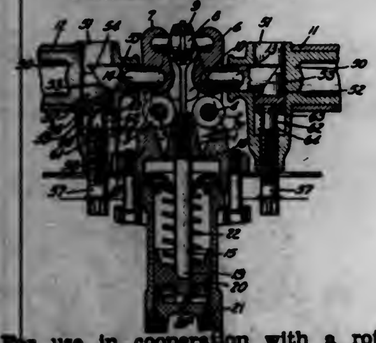
2,569,011
APPARATUS FOR UNLOADING CONVEYER BELTS
Adrien Laprise, Trois-Rivieres, Quebec, Canada
Application December 7, 1949, Serial No. 131,574
3 Claims. (Cl. 198—188)



3. An apparatus for unloading a conveyor belt comprising in combination with the conveyor belt and means for driving the same, stationary spaced vertical posts alongside said conveyor belt and extending above the same, a horizontal rail secured to said posts at a higher level than said conveyor belt, a wheeled member displaceable on said rail, means to prevent disengagement of said wheeled member with said rail, a carrier member extending across said conveyor belt and pivotally mounted on said wheeled member for vertical rotation above said conveyor belt, a V-shaped plough pivotally mounted at the free end of said carrier member for limited horizontal rotation relative to said conveyor belt, said carrier member and plough movable to take a lowered position with said plough in contact with the moving surface of said conveyor belt and a lifted position with said plough out of contact with the same, a downwardly extending arm rigidly secured to said carrier member for abutting said posts to prevent longitudinal displacement of said plough

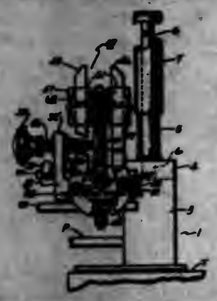
relative to said conveyor belt when in lowered position and to maintain said plough in lifted position, an outwardly extending handle rigidly secured to said plough and manipulable to adjust the angular position of said V-shaped plough relatively to said conveyor belt, to displace said plough to and from its lifted position and its lowered position and vice versa, and for longitudinally displacing said plough along said conveyor belt, and releasable locking means between said V-shaped plough and said carrier member to lockably adjust the angular position of said plough relatively to said conveyor belt comprising a manually operated lever pivotally mounted at the free end of said handle.

2,569,012
INTERNALLY EXPANDING BRAKE ACTUATOR
Léon Nicolas Lauer, Clichy, France, assignor to Bendix Aviation Corporation, New York, N. Y.
Application July 12, 1945, Serial No. 604,623
In France March 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 25, 1963
9 Claims. (Cl. 188—78)



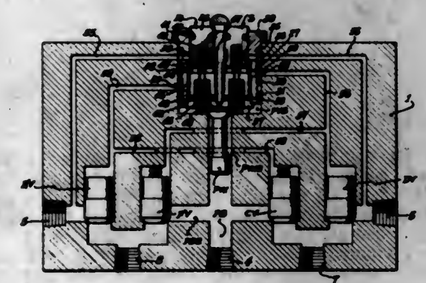
1. For use in cooperation with a rotatable brake drum, a brake comprising a shoe, a fixed support, an operating wedge, a roller in operating connection with the wedge, a lever carrying said roller at one end and pivoted at its other end on the fixed support, and means connecting the mid-portion of said lever to the brake shoe.

2,569,013
SETTING MEANS FOR ENDLESS TYPE MEMBERS
Herman I. Lippard, Lake Worth, Fla.
Application September 3, 1947, Serial No. 771,976
6 Claims. (Cl. 101—111)



1. In a tag printing device, the combination of a base, a frame of flat form mounted on said base with its plane substantially perpendicular to the printing surface, a series of spaced endless bands passing about both flat faces of the frame and over both ends, a series of characters carried by each of the endless bands, the line of characters on one end of the frame constituting the printing type, means for mounting said frame so that it may be swung to and away from the printing surface, and means associated with said base and operative when the frame is swung away from the printing surface to move the endless bands so as to present a desired line of characters on the printing end of the frame, said last mentioned means consisting of a U-shaped element to receive the frame between its arms when said frame is swung away from the printing surface, and means carried by each of said arms and adapted to contact and to shift a selected endless band on said frame to bring a desired character into printing position on the printing end of the frame.

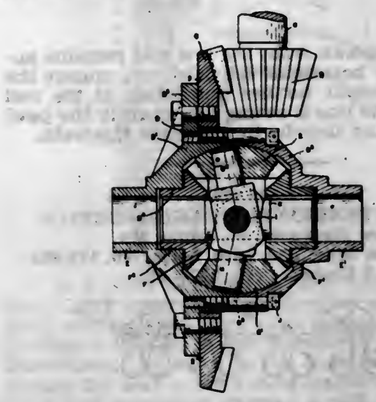
2,569,014
VALVE CONSTRUCTION
Otis C. Martin, deceased, late of Los Angeles, Calif., by Marion E. Martin, administratrix, Los Angeles, Calif., assignor to Harry Nock, Elizabeth, N. J.
Application June 3, 1946, Serial No. 674,627
6 Claims. (Cl. 137—144)



1. In a valve structure, a valve body block having a pilot valve assembly bore extending from one surface thereof and having its axis disposed substantially centrally of said surface, a plurality of main valve bores formed in said block and disposed about said pilot valve bore, ports formed in said body, one for each of the main valve bores, the ports from the different valve bores extending to and communicating with the pilot valve bore at different levels in said bore, a pilot valve assembly comprising a pilot valve body and a plurality of pilot valves carried thereby, said assembly being insertable into the pilot valve bore, and packing rings on said pilot valve body disposed at different levels thereon and between the port levels for dividing the pilot valve bore into a plurality of chambers to prevent intercommunication between the ports extending from different main valve bores.

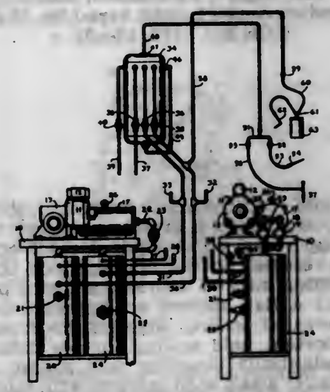
2,569,015
DIFFERENTIAL GEARING
Fred F. Miller, Jr., Berkley, Mich., assignor to The Gear Grinding Machine Company, Hamtramck, Mich., a corporation of Michigan
Application May 17, 1948, Serial No. 27,440
2 Claims. (Cl. 74—711)

1. A differential gearing comprising a closed housing member having a segmental spherical inner surface, oppositely facing spaced bevel gear wheels mounted within said housing in axial alignment with each other, a pair of bevel pinions between and intermeshing with said gear wheels on diametrically opposite sides of the latter, each of said pinions having an eccentrically disposed aperture therein forming a journal bearing with its axis intersecting the axis of rotation of said pinions in a common point of the axis of said gear wheels, a shaft extending centrally between said gear wheels diametrically across said housing and secured thereto, and bifurcated members piv-



otally engaging said shaft with their furcations adjacent to and interengaging each other the outer end furcation of each bifurcated member being spherical to fit against said segmental spherical surface of said housing, each of said bifurcated members having a journal portion the axis of which is perpendicular to the axis of said shaft and which engages the journal bearing of the corresponding pinion, said pinions having segmental spherical outer surfaces of the same radius as said a segmental spherical inner surface and centered in the axis of said gear wheels.

2,569,016
EMBALMING APPARATUS
Gavin G. Mitchell, Decatur, Ill.
Application January 7, 1946, Serial No. 639,552
6 Claims. (Cl. 27—24)



5. In an embalming apparatus of the class described, in combination, a mixing tank for water and embalming liquid, a source of water supply connected to said mixing tank, a source of embalming liquid connected to said mixing tank, a vacuum tank communicating with said mixing tank and providing an air exhaust for drawing water and embalming liquid into said mixing tank, a compressed air storage tank providing a source of air under pressure connected to the mixing tank for ejecting a mixture of water and liquid therefrom and a pump for creating a vacuum in the vacuum tank and compressing air in the air storage tank respectively.

2,569,017
FLUSH TANK CONTROL VALVE
Jesse C. Owens, Los Angeles, Calif.
Application August 27, 1946, Serial No. 693,373
2 Claims. (Cl. 137—104)

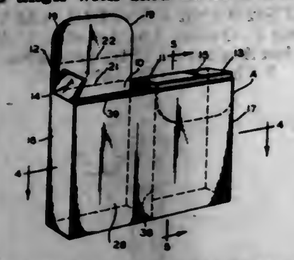


1. In a flush tank valve mechanism, a valve housing comprising a body portion having a valve chamber therein, means defining a valve seat within said chamber, a plunger reciprocable within said body portion, a valve carried by the lower end of said plunger in position to engage said valve seat when said plunger moves downward, a cap carried by said housing to define the upper end of said chamber and having an opening in the top thereof through which said plunger extends with sufficient clearance to permit flow through said opening around the associated portion of said plunger, a resiliently flexible disc carried by said plunger and extending radially outwards therefrom far enough to be flexed by fluid moving within said chamber and with respect to said disc, whereby seating of said disc against the top of said cap in position to close said opening around said plunger is assured when said plunger is adjacent the upper extreme of its movement but without requiring precise location of said plunger in said upper position, and means for moving said plunger within said housing.

2,569,018
COMPARTMENT BOX
Kendall B. Priester, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application April 17, 1947, Serial No. 742,125
2 Claims. (Cl. 229—27)

1. A double compartment box formed from a single sheet of material including a front wall, a bottom closure flap formed integral with and extending along half of the lower edge of said front wall, an end wall formed integral with said front wall and having closure flaps on each end thereof, a back wall formed integral with said end wall, closure flaps formed integral with said

back wall having slits formed in said back wall to define said flaps and having three fold lines formed therein, the lowermost of said fold lines formed below the edge defining said back wall to allow said closure flaps to open away from said back wall for easy removal of the contents of said box, a second end wall formed integral with said back wall and closure flaps on each end thereof, an inner reinforcing wall portion formed integral with said second end wall, a bottom closure flap formed integral with said inner wall adapted to align with said bottom closure flaps



on said front wall to form inner bottoms for said double compartments, a partition member formed integral with said inner reinforcing wall, an inner reinforcing wall portion formed integral with said partition member of a length to secure it below said lowermost fold line on the inner surface of said back wall to reinforce the same and to position said partition member intermediate in said box and a single long enclosure flap formed integral with said back wall of a width greater than said bottom closure flaps and adapted to be secured over said inner bottom aligned closure flaps.

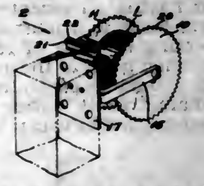
2,569,019
CONTOUR MARKER AND LAYOUT TOOL
Leroy E. Ridgeway, Long Beach, Calif.
Application April 21, 1945, Serial No. 589,597
3 Claims. (Cl. 33—21)



1. In a contour marker and layout tool, the combination of a positioning support, a barrel secured thereto and provided with ratchet teeth, a longitudinally shiftable and rotatably adjustable ratchet head having teeth meshing with said teeth of said barrel, a holding spring in said barrel tending to force the teeth of said barrel into engagement with the teeth of said ratchet head, a protractor pivotally secured to said head, with one side passing through said head, and scriber arms pivotally secured to said protractor adjacent its pivotal mounting, and at right angles to its pivotal mounting.

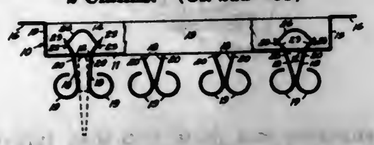
2,569,020
CLOTHESLINE REEL
Oswald Rotherham, Hermosa Beach, Calif.
Application August 30, 1946, Serial No. 694,101
3 Claims. (Cl. 242—102)

1. A clothesline reel comprising a self-winding reel having ratchet teeth thereon, a pawl engageable with the teeth pivotally mounted forwardly of the reel, said pawl having a guide arranged approximately horizontally even with the top of the reel and through which the line wound on the reel extends and being so arranged that when a



line is withdrawn from the reel and remains approximately horizontal the pawl may engage the teeth to prevent further unwinding of the reel but when the line is swung downwardly the pawl will be shifted thereby to disengage the teeth.

2,569,021
SPRING TENSIONED HOLDING DEVICE
Leo Rozanski, St. Louis, Mo.
Application March 30, 1950, Serial No. 152,926
2 Claims. (Cl. 211—89)



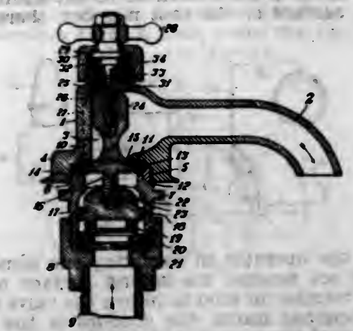
1. A device of the class described comprising a casing having a pair of spaced parallel arranged slots in the front wall thereof, a pair of opposed non-resilient shouldered clip members each having a front end and with the rear end thereof projecting rearwardly through the slotted openings, the rear ends of the clip members having slotted openings therein, and a flat arcuately shaped resilient member having reduced ends received in the slotted openings in the clip members to urge the rear ends of the clip members away from each other and urge the front ends of the clip members toward each other to grip an object supported therebetween.

2,569,022
FISH SCALER
Peter Sagers, Kalamazoo, Mich.
Application April 21, 1949, Serial No. 88,843
3 Claims. (Cl. 17—7)



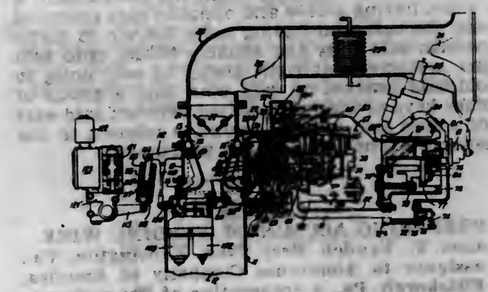
1. In a one-piece, compact fish scaler, the combination comprising: a gripping portion having a thumb tip recess on one side thereof and two finger tip recesses on the opposite side thereof; a blade portion integral with said gripping portion and having a flat, narrow scaling surface with a rigid, serrated scaling edge remote from said gripping portion, said scaling surface defining a plane substantially bisecting said thumb recess longitudinally; and a shelf integral with said gripping portion and extending therefrom substantially perpendicularly to said scaling surface between said thumb recess and said scaling surface for deflecting scales away from said gripping portion.

2,569,023
VALVE
Hugh W. Sanford, Knoxville, Tenn.
Original application January 14, 1941, Serial No. 374,388, now Patent No. 2,388,710, dated November 13, 1945. Divided and this application November 13, 1945, Serial No. 628,277
2 Claims. (Cl. 251—50)



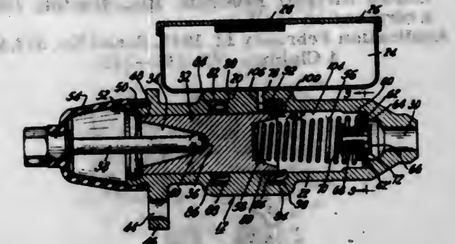
1. In a valve structure, a body adapted to receive fluid under pressure for flow through the body, said body having a valve passageway therethrough with a valve seat therein for flow of fluid therethrough, a valve in the body in position to engage the seat, a valve stem connected with the valve and extending through a side of the body to a point externally thereof, said body and valve stem having adjacent inwardly facing and radially aligned faces at the point of projection of the stem from the body, which faces are arranged with a crack therebetween, an annular flexible yieldable gasket externally of the valve passageway and internally of the body around the stem and arranged in overlapping relation across the crack and in position for action of fluid pressure from within the body thereagainst over the crack and on opposite sides of the crack for sealing said crack against the leakage of fluid therethrough.

2,569,024
CHARGE FORMING DEVICE
Albert P. Schnaible and Frank C. Mock, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 7, 1945, Serial No. 592,388
9 Claims. (Cl. 123—119)



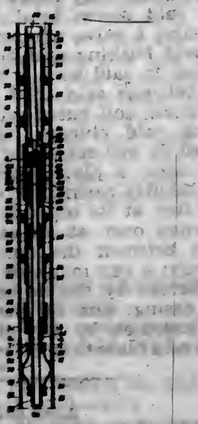
8. In combination with an engine having an air-intake passage provided with a variable-speed supercharger and means responsive to changes in density for varying the speed of the supercharger at predetermined altitudes, a charge-forming device having a variable venturi disposed in said passage, and means for varying the area of the venturi having an operative connection with said first-named means to be rendered effective thereby.

2,569,025
MASTER CYLINDER SEALING AND COMPENSATING MEANS
Harold B. Schultz, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 7, 1946, Serial No. 714,701
15 Claims. (Cl. 60—54.6)



15. A master cylinder having a bore therein, a piston reciprocable in said bore, a reservoir connected to the bore by means of a passage, a packing ring located behind the passage, and a second packing ring located in a groove in the wall of the bore ahead of the passage, said second packing ring having a lip which extends just ahead of the front of the piston when the latter is in retracted position and which engages the piston during its pressure stroke.

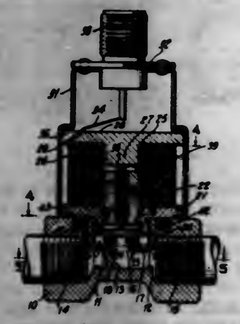
2,569,026
WELL APPARATUS
Arnold P. Springer, Taft, Calif.
Application December 9, 1946, Serial No. 714,973
10 Claims. (Cl. 166—11)



1. A device adapted to be connected to a tubular string for operation in a well casing that includes: a body carrying spaced upper and lower packing members for sealing with said casing, said body having passage means for conducting fluid between said string and the space between said packing members, and also between said space and a port formed at the extreme lower end of said body; a bypass extending from a point below said lower packing member to a point above said upper packing member; valve means in the path of fluid flow through said passage

means, with said valve when in the closed position enabling pressure to be built up on the fluid within said space, and when in the open position causing all fluid circulated through said body between said bypass and string to flow under and through said port for washing purposes; and means to open or close said valve means by movement of said string.

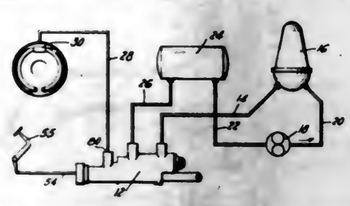
2,569,027
LIGHTWEIGHT SOLENOID VALVE
Francis E. Stoner, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application February 12, 1945, Serial No. 577,408
4 Claims. (Cl. 137—139)



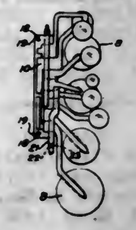
1. A light weight valve and solenoid assembly, comprising a body formed with oppositely disposed inlet and outlet passages; a bore in said body transversely of said passages and formed with a flat surfaced valve seat at its bottom; ports opening through said valve seat and communicating said inlet and outlet passages; a bushing mounted in said bore and formed with a flange overlying and contacting said body; an annular recess in said body beneath said flange; a ring seal in said recess totally confined therein by said flange; a valve plunger reciprocably mounted in said bushing and adapted to rest on the valve seat in said bore to discontinue communication between said inlet and outlet passages; an electrical coil based on said flange and surrounding said plunger, said coil acting when energized to withdraw said plunger from its seat in said bore; a plate overlying the top of said coil; a tubular casing surrounding said coil and turned over at its one end to overlie said plate and turned over at its other end so as to be clamped between the bushing flange and the valve body; a cap mounted on said plate and secured thereto by the adjacent turned over end of said casing; and an electrical conduit entering the assembly by way of said cap and passed through said plate to said coil.

2,569,028
PRESSURE BOOSTER AND CONTROL VALVE THEREFOR
Carleton E. Stryker, Glendale, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 23, 1946, Serial No. 656,637
7 Claims. (Cl. 60—54.5)

7. A device for displacing fluid under pressure comprising a first pressure responsive movable member having opposed pressure responsive surfaces, operator operated means for actuating said first member to displace fluid under pressure from said device, the first of said surfaces being subject to the reaction of the pressure of said displaced fluid, a second pressure responsive movable member having opposed pressure responsive surfaces, one of which is acted on by the pressure of the aforementioned fluid displaced by the first member, and valve means under the control of said second member to cause fluid from a pressure source to act against the second surface of the first member, thereby assisting the operator in actuating the same, and also to act against the second surface of said second member to tend to return the valve means to its original status, the product of the effective area of the second surface of the first member times the effective area of the first surface of the second member being less than the product of the effective area of the first surface of the first member times the effective area of the second surface of the second member.



2,569,029
WIND INSTRUMENT AND KEY MOUNTING FOR THE SAME
Earl O. Sylvester, San Leandro, Calif.
Application April 11, 1949, Serial No. 86,744
7 Claims. (Cl. 84—385)

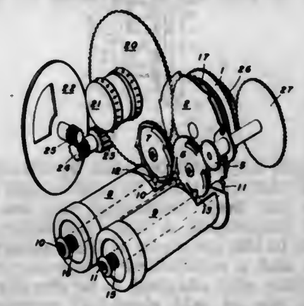


1. A mounting device for a group of finger keys on a wind instrument, comprising spaced pins extended outwardly from the instrument, a bracket having a base and opposite ears extended from the base and having holes therein in registry with said pins and slidably fitting onto said pins, set screws at right angles to said holes to hold said bracket on said pins, and a group of finger keys pivotally supported between said ears and above said base in operative relation to the respective tone holes of the instrument.

2,569,030
PREPARING ALUMINUM WELDING WIRE
Russel V. Vanden Berg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application April 19, 1950, Serial No. 156,943
4 Claims. (Cl. 134—3)

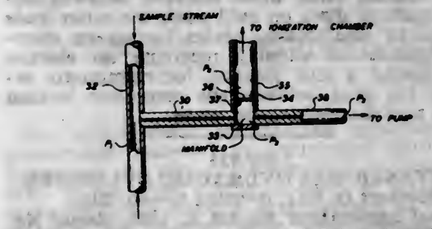
1. The method of preparing aluminum wire for use as electrode in an inert-gas-shielded arc welding process, which method comprises coating said wire by immersion in an aqueous solution of alkali metal zincate and thereafter removing the coating formed in said zincate solution by immersion in an acid stripping solution.

2,569,031
CAMERA DRIVE MECHANISM
De Ver K. Warner and Dwight R. Martin, Los Angeles, and Ernest L. Bellows, Venice, Calif., assignors to North American Aviation, Inc.
Application July 18, 1949, Serial No. 105,374
2 Claims. (Cl. 88—18)



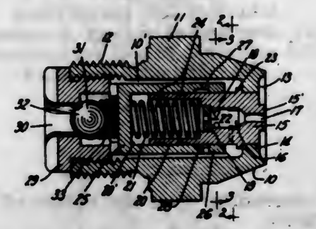
1. Means for driving a flight test data recording camera at variable speed without changing the lens aperture thereof comprising a driving member rotated at constant speed, a driven member drivingly connected to the shutter and film feed mechanism of said camera and having an escapement wheel with a plurality of predeterminately spaced peripheral teeth, clutch means between said driving and driven members adapted to cause said two members to rotate together under normal loads and adapted to slip when said driven member is predeterminately restrained, a plurality of face cams having a predetermined number of risers and driven at predetermined constant speed by said driving member, a plurality of solenoid operated escapement pins having cam followers adapted to ride on said cams when said solenoids are energized and so spaced around said escapement wheel as to permit selective intermittent blocking of said wheel by said pins by selective energization of said solenoids to thereby vary the driving speed of said camera without changing the aperture setting thereof.

2,569,032
CONSTANT PRESSURE INLET FOR MASS SPECTROMETERS
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application April 30, 1948, Serial No. 24,334
11 Claims. (Cl. 250—41.9)



1. A constant pressure gas inlet system for introducing gas into an evacuated chamber which comprises a sample source, a sample manifold, a vacuum pump, a primary leak connecting the source and manifold, a secondary leak connecting the manifold and the chamber, and a gas flow line connecting the manifold and the pump, the primary leak and gas flow line being of such size that substantially the entire flow resistance therein is viscous resistance.

2,569,033
BURNER NOZZLE
Morris O. Wise, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1947, Serial No. 748,214
4 Claims. (Cl. 299—118)

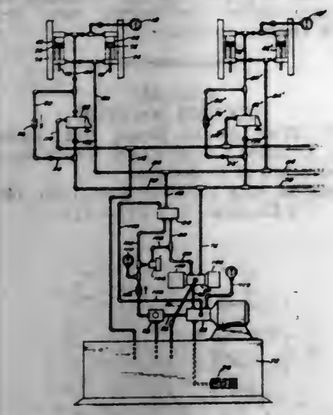


1. A burner nozzle comprising a nozzle body formed with a fuel chamber adapted to receive fuel under pressure, a nozzle member fixed in said fuel chamber and formed with a nozzle tip and a spin chamber terminating in a fuel discharge opening substantially centrally of said tip, the nozzle member being also formed with one or more fuel ducts or passages disposed at a tangent to said spin chamber for conducting fuel from said fuel chamber to said spin chamber, a valve in the form of a hollow piston telescoped over said nozzle member and having a skirt portion coacting with said ducts, said piston valve tending to move in a direction to open said ducts when subjected to the pressure of fuel in said fuel chamber, a spring interposed between said nozzle member and said piston, said spring normally urging the piston valve towards closed position and maintaining the valve closed at fuel pressures below a predetermined value, means venting the chamber formed by said piston valve and said nozzle member to the spin chamber, said nozzle member being formed with one or more additional tangential fuel ducts of smaller diameter or flow capacity than said first named fuel ducts communicating the fuel chamber with the spin chamber for admitting fuel to said spin chamber at fuel pressures below those required to open said piston valve.

2,569,034
HYDRAULIC IMPRESSION GEAR FOR PRINTING PRESSES
Frederick Auer, Teaneck, N. J., assignor to Champlain Company, Inc., Bloomfield, N. J., a corporation of New York
Application May 20, 1948, Serial No. 28,107
12 Claims. (Cl. 101—247)

1. In combination, a printing press having a printing drum, an hydraulic cylinder and piston, and an impression roller raised and lowered by said piston, a source of pressure fluid, a valve mechanism between said source and said hydraulic cylinder to raise or lower the impression roller, means responsive to the building up of back pressure in the supply to the top of the cylinder to automatically connect the source to the bottom of the hydraulic cylinder when the roller contacts the printing drum in order to counteract the dead weight of the impression roller and associated mechanism carrying the

same, and means to adjust the pressure supplied to the top of the cylinder to obtain a net printing



pressure depending upon the nature of the web being printed.

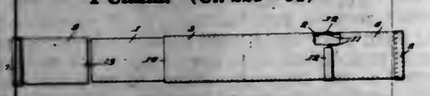
2,569,035

EXTENDED LENGTH FIBERBOARD CONTAINER FOR EXTRUDED METAL SHAPES, RUGS, AND THE LIKE

Jack Russell Belsinger, Atlanta, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia

Application July 12, 1948, Serial No. 38,318

1 Claim. (Cl. 229—93)



An extended length shipping container of corrugated board or like material comprising an open-ended inner body formed of two sections rectangular in cross section, each of a length within the limits of the normal machine width and having a combined length greater than the normal machine width, said sections being arranged in alignment and dimensioned so that the end edges abut, thus forming a packing space free from obstruction extending from one end of the inner body to the other, an outer body formed of three sections each of a length within the limits of a normal machine width, said outer sections being alike and telescopingly engaging and fitting snugly the inner body and positioned thereon so as to cover the abutted edges of the inner section with the end edges of the outer sections in abutted relation, said inner body sections extending the full length of the outer body sections, and a flanged closure section stitched to each outer end section closing the inner body when assembled thereon.

2,569,036

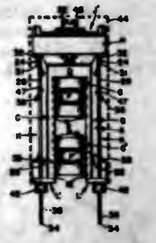
TRANSFORMER

Howard J. Benner and Allan M. Hadley, Longmeadow, Mass., assignors, by mesne assignments, to General Instruments Corporation, Elizabeth, N. J., a corporation of New Jersey

Application December 28, 1946, Serial No. 719,042

17 Claims. (Cl. 178—44)

14. A transformer assembly comprising a main frame of non-conductive deformable material having at least two parallel legs defining an open ended passage therebetween, said legs being deformable at any desired point therealong, and a plurality of electrical components operatively connected to and supported by said frame, said components including a core on which a coil is wound movable in said passage parallel to said legs to any desired adjusted position prior to deformation of said legs, said core being secur-



able in said adjusted position by direct engagement with deformations formed in said legs after said core has been positioned, and an auxiliary terminal comprising a non-conductive member receivable in the open end of the passage between said legs and a conductive connector carried by said member and adapted to be electrically connected to one of said electrical components.

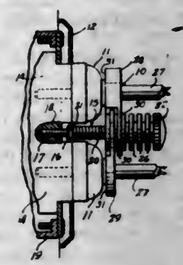
2,569,037

RELEASABLE LOCK FOR ELECTRIC PLUGS

John J. Dalton, Lakewood, N. Y.

Application December 22, 1949, Serial No. 134,380

2 Claims. (Cl. 173—330)



1. A releasable locking device for removably securing an electric plug to a related socket comprising a locking post, a plurality of spaced apart coaxial discs on said post, means securing said post on an escutcheon plate in adjusted spaced relation therefrom, a pair of locking plates slidably and rotatably engageable on said post, each of said locking plates having a laterally opening notch for slidably engaging said post between a pair of adjacent discs, at least one of said locking plates having an offset end for disposition in the same transverse plane as the other locking plate when engaged between another pair of discs on said post, the outer ends of each of said locking plates having an open-sided notch for slidably receiving an electric cord having a plug thereon for clampingly securing the plug between the respective locking plates and the escutcheon plate.

2,569,038

STIFFENER FOR HYDRAULIC CYLINDERS

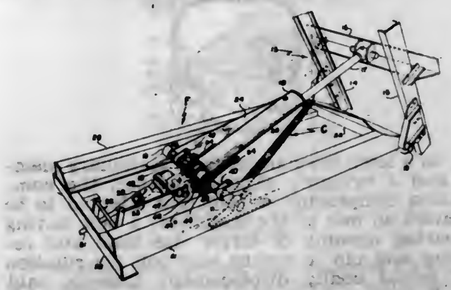
Herbert O. Day, Bowling Green, Ohio

Original application August 3, 1946, Serial No. 688,386. Divided and this application September 15, 1948, Serial No. 49,421

1 Claim. (Cl. 189—34)

An attachment in combination with a T-shaped structure having its head supported at each end

for absorbing a load acting transversely upon the head when a compressive load is imposed upon the stem of the T, said attachment comprising a pair of box-shaped bracing members in the form of right-angled triangles symmetrically disposed with respect to the stem and with their planes extending in the plane of the T so that the right-angled corner portions of the members lodge in respective right angles formed by the junction of the head with the stem, with each of one pair of acute-angle portions of the triangles disposed adjacent to a respective supported end and the other pair of acute-angle portions of the tri-



angles being co-directed with each of them disposed adjacent to the stem, inner fastening means attaching the right-angled portion of each bracing member to the head, outer fastening means for attaching each of said one pair of acute-angle portions to the head, an eccentric-containing device rigidly attaching each of said other pair of acute-angle portions to the stem, the eccentric in each said device being operable to effect the pre-tensioning of the stem along with pre-compression of the bracing members for thereby diverting the compressive load from the stem to the supported ends of the head.

2,569,039

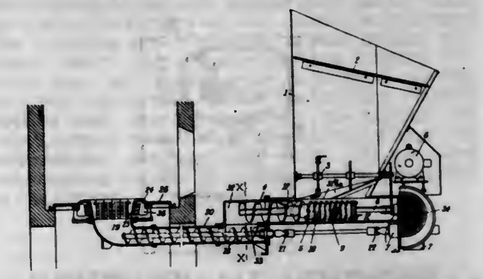
FEEDING SCREW FOR PULVERULENT OR GRANULAR MATERIAL

Jean Berthelot, Paris, France, assignor, by mesne assignments, to Societe Maxicalor, Bensons, (S. O.), France, a corporation of France

Application April 18, 1946, Serial No. 663,020

In France March 24, 1945

1 Claim. (Cl. 198—64)



An arrangement for feeding granular and pulverulent material in association with fireboxes and the like and comprising, in combination, a material supply hopper, a measuring screw having a housing and disposed to receive material by gravity from said hopper, said measuring screw having convolutions progressively increasing in pitch and depth from one end to the other in the direction of feeding material from the hopper, means for adjusting the position of the measuring screw longitudinally relative to the hopper to vary the amount of material carried thereby from the hopper, a drive shaft axially disposed with reference to the measuring screw and having a linearly movable driving connection to the measuring screw, and said means for adjusting the position of the measuring screw including a manually operable screw displaced from and parallel to the drive shaft, a fork threadedly connected to the manually operable screw, and a flanged collar on the measuring screw movably engaged by the fork.

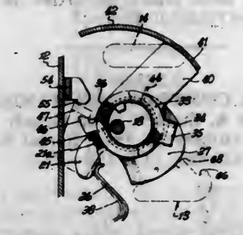
2,569,040

LATCHING MECHANISM

Waldemar A. Endter, Long Beach, Calif.

Application June 1, 1945, Serial No. 597,097

8 Claims. (Cl. 292—220)



1. A latching mechanism applicable to a relatively stationary member and a movable closure member, comprising a rotatable bolt to be carried by one of said members and engageable with a keeper carried by the other of said members, eccentric means mounting said bolt and exerting opposing thrusts against the bolt and said one member to hold the bolt against the keeper and at the same time to bodily move the closure member toward said stationary member, an abutment on said one member stationary relative to the bolt, and dogging means rotatable with the bolt and engageable with said abutment to restrain reverse movement of said eccentric means.

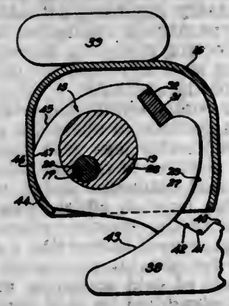
2,569,041

LATCH

Waldemar A. Endter, Long Beach, Calif.

Application January 12, 1946, Serial No. 640,859

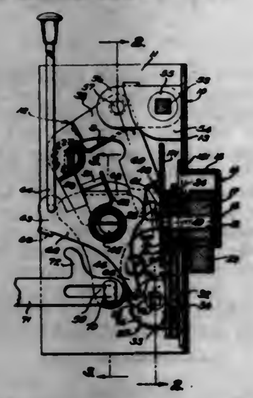
3 Claims. (Cl. 292—222)



1. In a latch mechanism for a stationary member and a movable closure member the combination comprising: a shaft mounted for eccentric rotation on one of the members; a bolt mounted for rotation on said shaft and having a convexly-curved keeper-engaging surface and a camming surface peripherally spaced therefrom, rotation of said shaft in one direction being effective to exert opposed thrusts against the one member

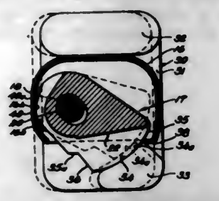
and the bolt to hold the latter against the keeper and at the same time to move the closure member bodily toward the stationary member; and an abutment on said one member stationary relative to said shaft and bolt and having an extended surface engageable progressively by said camming surface, during latching movements of said bolt against the keeper, to create a reaction force against said shaft that is effective to restrain reverse rotation thereof resulting from the thrust of said bolt against the keeper, said abutment surface being disposed, with respect to the engagement of said bolt with the keeper, on the opposite side of a line connecting the centers of rotation of said shaft and said bolt, said camming and said abutment surfaces having flat portions positioned for engagement in an initially latched position of the bolt and extending, when engaged, normal to the resulting reaction force against said shaft in order to positively prevent reverse rotation thereof.

2,569,042
LOCK CONTROL MECHANISM
Waldemar A. Endter, Long Beach, Calif.
Application January 12, 1946, Serial No. 640,860
1 Claim. (Cl. 292—223)



In a latching mechanism applicable to a door and having a releasable holding part latchably engageable with a part on the door frame, operating mechanism for the holding part comprising: an oscillatably mounted actuating member adapted to be operatively connected to the holding part for effecting releasing movement thereof; an operating lever mounted for pivotal movement by an outside operator; a bifurcated connector pivotally connected to said lever for movement between a position of operative engagement of one of the connector legs with said actuating member and a position of disengagement of said leg therewith, said connector being reciprocable by said operating lever to effect releasing movement of said actuating member when said leg is in operative engagement therewith; a control element mounted for pivotal movement about the axis of oscillation of said actuating member and having an arm straddled by said connector legs to shiftably pivot the connector between said positions by pivotal movements of said element; means for moving said control element to shift the connector; and an arm on said actuating member engageable with an abutment on one of said connector legs for shifting said connector from its disengaged position to its engaged position upon oscillation of said member by latching movements of the holding part, said abutment being movable out of the path of travel of said arm upon reciprocation of said connector by said operating lever.

2,569,043
FLOATING BOLT LATCH
Waldemar A. Endter, Long Beach, Calif.
Application May 27, 1946, Serial No. 672,582
5 Claims. (Cl. 292—223)



1. In a latch mechanism for a stationary member and a swinging closure member, the combination comprising: a pivot pin adapted to be mounted on one of the members; a bolt having a bearing opening of larger size than and receiving said pin to mount said bolt for rotation and radial bodily displacement thereon, said bolt having a convexly curved peripheral surface portion for rotative latching engagement with a keeper mounted on the other of the members and another convexly curved surface portion peripherally spaced from and approximately opposite said keeper-engaging surface portion; and means adapted to be fixedly mounted on the one member and defining an abutment surface progressively engageable by said other bolt surface portion, by the bodily displacement of said bolt upon engagement thereof with the keeper, to resist anti-latching rotation of said bolt, the angle between a tangent to said other bolt surface at its line of abutment surface engagement and the line of keeper-engaging reaction thrust of said bolt extending through the line of rotative bolt engagement with said pin being less than 90°.

2,569,044
LATCH SAFETY CATCH
Waldemar A. Endter, Long Beach, Calif.
Application October 18, 1946, Serial No. 703,940
5 Claims. (Cl. 292—52)



1. A latch mechanism applicable to a stationary member and a movable closure member, comprising a shaft, a bolt mounted for swinging movement on one of said members about the shaft and adapted to override and swing into latched engagement with a keeper on the other of said members, a swinging safety catch element of radially shorter dimension than the bolt carried by and within a recess in the bolt and extending therein partly about said shaft, said element being movable relative to the bolt and operable to override and move into said keeper in advance of latched engagement of the bolt in the keeper to hold the closure member against opening, and a spring carried within the bolt and resisting relative movement of said element relative thereto.

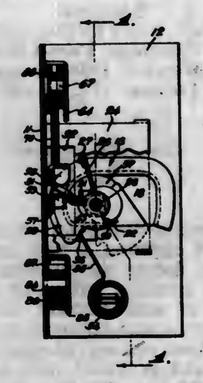
2,569,045
LATCHING MECHANISM FOR CLOSURES
Waldemar A. Endter, Long Beach, Calif.
Application October 26, 1946, Serial No. 705,843
9 Claims. (Cl. 292—229)



1. A latch mechanism applicable to a stationary support and a movable closure, comprising a pivotally movable holding element to be carried by said closure, a first bearing member to be carried by the closure and having a bearing surface in opposed and spaced relation to said holding element, a swinging bolt element and a second bearing member both to be carried by said support with the bolt position in the path of said holding element so that the holding element is engageable against a forward face of the bolt to deflect the bolt and a rear face of the bolt is thereafter engageable against the holding element to retain it in latched position, said bolt and second bearing member being adapted during closing movement of the closure to be brought between said holding element and first bearing member with said second bearing member engaging the first bearing member, means urging the bolt element against the holding element in its latched position, one of said elements having a cam surface engageable by the other element in the latched position of the elements in response to the thrust of the bolt against the holding element to effect take-up movement of the closure toward the stationary member, retaining means initially maintaining said holding element in offset relation to the bolt, means operable by virtue of closing movement of said closure to overcome the retaining means and swing said holding element toward the bolt so that the holding element and bolt interengage in latched relation and the bolt thrust against the holding element presses said bearing members one against the other, means maintaining the holding element in said latched position, and means for releasing said holding element to permit opening movement of the closure.

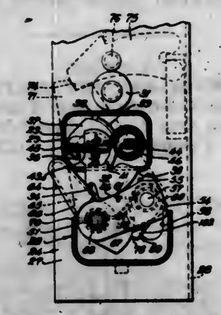
2,569,046
FLOATING BOLT LATCH MECHANISM
Waldemar A. Endter, Long Beach, Calif.
Application October 30, 1947, Serial No. 783,184
14 Claims. (Cl. 292—223)

3. In a latch mechanism for a stationary member and a swinging closure member, the combination comprising: a bolt adapted to be mounted for rotation and radial bodily displacement on one of the members, said bolt having a peripheral surface portion for rotative latching engagement with a keeper mounted on the other of the members and a convex arcuate surface portion; peripherally spaced from and substantially diametrically opposite said keeper-engaging surface portion; means adapted to be fixedly mounted on the one member and defining an abutment surface extending about said bolt in opposition to said arcuate bolt surface portion; and cam means interposed between and engaging said abutment surface and said arcuate bolt surface



portion for movement in a curved path about said bolt, the engaged surfaces of said bolt and said cam means being complementary and said cam means being effective upon movement in the direction of latching rotation of said bolt to bodily displace the latter in keeper-engaging direction in order to exert opposed thrusts against the one member and said bolt to hold the latter against the keeper and move the closure member toward the stationary member.

2,569,047
VEHICLE DOOR LATCH
Waldemar A. Endter, Long Beach, Calif.
Application March 13, 1948, Serial No. 14,683
3 Claims. (Cl. 292—198)



1. In a latching mechanism having a case structure provided with a face applicable to the edge of a door that is adapted to be swung closed into opposing relation with the edge of a stationary pillar, the combination comprising: an elongated keeper mounted adjacent one end thereof on the outside of said case structure for pivotal movement between latching and releasing positins about an axis substantially normal to said face, said keeper having an edge surface adapted in the latching position of said keeper to be disposed in overlapping engagement with a bolt structure mounted on the edge of the pillar; movable blocking means for automatically maintaining said keeper in latching position; a lever mounted for pivotal movement about the same

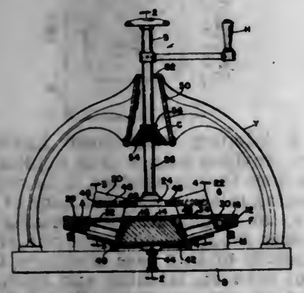
axis as said keeper and engageable by the bolt structure for movement thereby; a catch movably mounted on said keeper and engageable by said lever for moving said keeper to latching position; and means engageable by said catch for releasing its lever-engagement when said keeper reaches latching position.

2,569,048
BUTTON FASTENING DEVICE
Irmgard Friedman, Forest Hills, N. Y.
Application March 7, 1950, Serial No. 148,099
2 Claims. (Cl. 24—95)



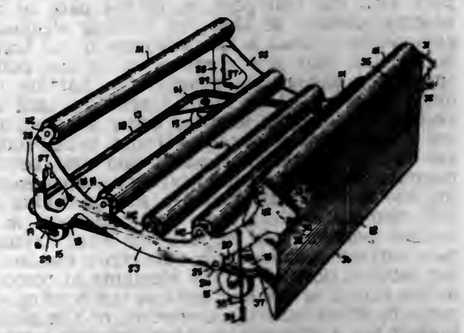
1. In a fastening device for securing a button to an article of clothing, a first cup-shaped element having a flange surrounding its open end and extending laterally outwardly from the latter, the wall of said element having opposed aligned slots below and adjacent to said flange, a second cup-shaped element receivable within said first element and provided with a flange adjacent its open end in contacting engagement with said first-mentioned flange for bearing engagement with a face of said article of clothing, the wall of said second element being inwardly curved and provided with aligned apertures adjacent its closed end, resilient means operatively connected to the flange and wall of said first element and projecting through said slots and engageable with the exterior surface of said second element, a button adapted to be arranged in bearing engagement with the opposite face of said article of clothing, and fastening wires carried by said button and having their ends extending through said articles of clothing and the apertures of said second element, whereby when said second element is received within said first element, the ends of said wires will be frictionally secured between the adjacent walls of said elements.

2,569,049
STENCILING APPARATUS
Herman N. Gordon, New York, N. Y.
Application July 9, 1947, Serial No. 759,865
11 Claims. (Cl. 101—123)



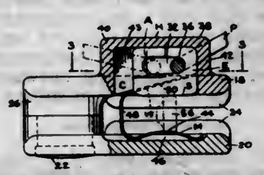
1. Silk screen stenciling apparatus for ornamenting an article having a frusto conical surface, said apparatus being adapted for bench or table top mounting and comprising a flat base having stationary means thereon to locate the article, a shaft disposed over said locating means, bearing means so supporting said shaft as to afford rotation of the shaft and lifting of the shaft for a substantial distance, a silk screen carried by a frame, mounting means mounting said frame on said base in proper position relative to the article to be ornamented, the mounting means for said frame affording lifting of the screen for insertion of an article to be ornamented, said frame being shaped to give said frame and screen combination a frusto conical shape such as to fit the frusto conical surface of the article, and a squeegee carried by said shaft, the arrangement being such that an article may be placed on the base, the frusto conical screen lowered into mating contact therewith, the shaft and squeegee lowered into contact with the screen, and said shaft rotated relative to the non-rotatable article and screen in order to move the squeegee over the screen and thereby ornament the article, the frame having a peripheral portion hingedly mounted on the base at one side and provided with releasable lock means on the other side to hold the frame downward against the article to be ornamented, said hinge means including a screw adjustment for varying the position of the frame relative to the locating means.

2,569,050
ARTICLE LIFTING AND TRANSPORTING DOLLY
William C. Gref and William H. Gref, Westport, Conn.
Application January 17, 1950, Serial No. 139,042
14 Claims. (Cl. 214—35)



1. In a device for handling rolled rugs and articles of a similar nature, the combination including: a carriage-member; article-supporting elements carried by said carriage-member; an article-lifting member; fulcrum-means arranged to mount said article-lifting member on said carriage-member for pivotal movement upwardly relative thereto, said fulcrum-means being offset laterally with respect to the longitudinal axes of said carriage and said article-lifting member to provide said article-lifting member with a lever action to facilitate lifting an article onto the article-supporting elements of said carriage; rests on said carriage arranged normally to support said fulcrumed article-lifting member on said carriage substantially in the horizontal plane thereof; a ramp; pivotal-means arranged to mount said ramp on the side of said lifting-member adjacent said fulcrum-means whereby said ramp is adapted to be lowered into position to facilitate loading an article onto said article-lifting member when the latter is in its upright position with respect to said carriage; and means carried by said article-lifting member arranged to be detachably engaged with said ramp to lock said ramp in article-unloading position.

2,569,051
AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS
Howard M. Groff, Mount Joy, Pa., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application January 15, 1946, Serial No. 641,282
12 Claims. (Cl. 24—205.14)



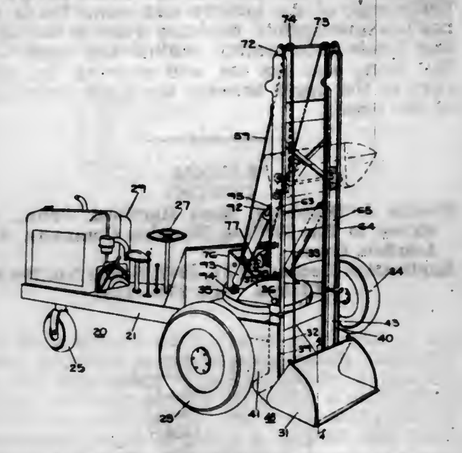
1. An automatic lock slider for use with slide fastener stringers, said slider comprising front and back wings, a sloping cam on the front wing, a lock having a wedge movable on the cam and an ear projecting outwardly from the wedge, said cam and said wedge having approximately parallel surfaces of substantial length for mating cooperation with one another, a pull slidable longitudinally of the slider, said pull bearing against said ear to release the lock when pulled downwardly, and bearing against the slider but not the lock in order to release the lock when pulled upwardly, and means causing the stringers to normally yieldably press against the lock, whereby on attempted self-opening movement of the slider the wedge in cooperation with the cam automatically causes the lock to jam the stringers against the back wing of the slider.

2,569,052
METHOD OF CLEANING INK APPLYING MECHANISMS AND MATERIAL USED THEREIN
Harold R. Gullixson, Arlington, Va., assignor, by mesne assignments, to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application November 18, 1947, Serial No. 786,804
18 Claims. (Cl. 101—426)

1. The method of cleaning and inking roller in a press, duplicating machine or the like, which comprises discontinuing the delivery of ink to the roller, mounting a sheet of substantial thickness of highly absorbent material in the machine in the position normally occupied by the element normally receiving ink from the roller, operating the press to bring the absorbent material repeatedly into ink receiving relation to the roller, until substantially all of the ink has been transferred to said sheet, and removing the sheet from the press.

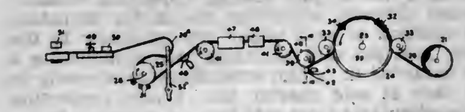
2,569,053
MATERIAL MOVING MACHINE
George A. Healy, Santa Monica, Calif., assignor to Vernon G. Mandt, Columbus, Ohio
Application July 16, 1949, Serial No. 105,114
6 Claims. (Cl. 214—111)

1. In a loading machine, a frame; a turntable carried by the frame; a load carrier; elevating mechanism carried by the frame and connected with the load carrier for moving the latter vertically; lower vertically extending stationary guide means carried by the frame for guiding the carrier when the latter is in a lowered position; upper vertically extending guide means for the carrier; means pivotally supporting the upper guide means, on the turn-table, for vertical swinging movement; means for imparting vertical swinging movement to the upper guide means, said upper guide means being mounted



for horizontal swinging movement with the turntable to and from alignment with the lower stationary guide means; and means for imparting turning movement to the turn-table.

2,569,054
METHOD OF PRODUCING SCORING IMPLEMENTS
Carl Herzog, Montclair, N. J.
Application July 5, 1949, Serial No. 103,061
7 Claims. (Cl. 76—24)



7. The method of producing a scoring implement from a metal ribbon, comprising supporting and feeding the ribbon longitudinally, cutting one edge of the ribbon to produce a beveled face, knurling the edge of the ribbon having the beveled face for forming teeth, forming sharp cutting edges upon the teeth, hardening the teeth thus produced, and severing the ribbon for producing the implement.

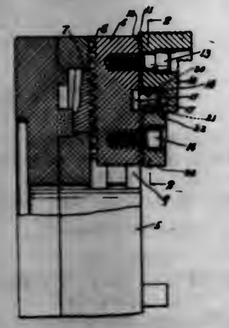
2,569,055
PROCESS OF MAKING SHOES
Arthur F. Hesselberg, Columbus, Ohio, assignor to The H. C. Godman Company, Columbus, Ohio, a corporation of Ohio
Application March 4, 1947, Serial No. 732,299
1 Claim. (Cl. 12—142)



Those steps in the manufacture of a shoe having a quarter and vamp lining, a box toe, a laminated insole, and an upper, which steps comprise securing the box toe to the fore part of the lining,

securing the upper to the upper edge of the entire lining, then securing the entire peripheral edge of the laminated insole to the entire peripheral lower edge of the quarter and vamp lining and box toe subassembly, inserting a last in the lining and insole subassembly, pulling the upper over the lining and box toe, and securing the lower edge of the upper beneath the lower outer edge of the insole.

2,569,056
CHUCK
George A. Highberg, West Hartford, Conn., assignor to The Whiton Machine Company, New London, Conn.
Application December 31, 1947, Serial No. 794,969
9 Claims. (Cl. 279—123)



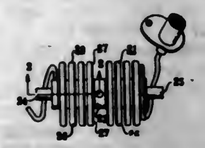
3. In a chuck of the character described comprising a master jaw and an upper jaw slidably carried thereon, adjusting means for adjusting the position of said upper jaw relatively to the lower jaw, the said adjusting means including a bar mounted in a slot extending transversely in the face of said master jaw, a post projecting perpendicularly from said bar, an eccentric bushing rotatable on said post and fitting within a recess in the bottom of the upper jaw, the said bushing having a flat surface at one side thereof, a pair of set screws threaded in the side of said upper jaw and engaging portions of said flat surface at opposite sides of the axis of said post to thereby permit rotation of said bushing by loosening one screw and tightening the other for adjustably sliding said upper jaw relatively to the master jaw and retaining said bushing in adjusted position, and means for clamping said upper jaw to the master jaw in adjusted position.

2,569,057
FISHING LURE
Jack Hinerman, Amarillo, Tex.
Application June 7, 1949, Serial No. 97,623
2 Claims. (Cl. 43—42.2)



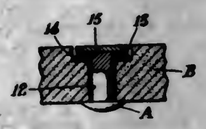
1. A fishing lure comprising a straight shaft, bearing means circumposed on the shaft, lure members rotatably disposed in axial alignment on the shaft and having their adjoining ends spaced by the bearing means, said members having longitudinally extending helically arranged blades projecting therefrom, the blades of one lure member with the blades of the other lure member effecting a rotation of the members in opposite directions upon moving the shaft through the water, means for attaching a line to one end of the shaft, hook means connected to the other end of the shaft, a plate depending from the shaft adjacent to the line attaching means and disposed in advance of the lure members for retaining said shaft against rotation, said plate having a spoon shaped lower end and a flat enlarged attaching end circumposed on the shaft, said last end having circumferentially spaced peripheral recesses defining fixed vanes radiating outwardly transversely in advance of the lure members.

2,569,058
METHOD OF FORMING BERYLLIUM-COPPER ALLOY BELLOWS
Walter V. Hobbs, Delaware, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Continuation of application Serial No. 478,984, March 12, 1943. This application September 25, 1947, Serial No. 776,104
1 Claim. (Cl. 148—21.92)



The method of forming a flexible beryllium-copper alloy wall device sealingly joined to a second wall which comprises first plating the walls with copper; then bonding an edge portion of the beryllium-copper alloy wall device with the second wall by a fusible metal having a fusing temperature above the temperature at which rapid phase change in the alloy would take place if the alloy were subjected to prolonged heating at such rapid phase change temperature, which bonding step consists in placing the portions of the wall device and wall to be joined adjacent to each other and disposing the fusible metal adjacent said portions, heating said portions and fusible metal at such high rate and temperature that the fusible metal fuses before an appreciable change in the alloy from the alpha phase occurs, and then cooling the wall device, wall and fused metal quickly; and then aging the assembly by heating the same to a temperature below the fusing temperature of the fusible metal for a period sufficient to cause hardening of the beryllium-copper alloy wall device by precipitation.

2,569,059
WELDED RIVET CONSTRUCTION FOR ELECTRICAL BRUSHES AND CONTACTS
Melvin O. Huff, Fostoria, and Arthur W. Seidler, Cleveland, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application December 18, 1947, Serial No. 792,580
5 Claims. (Cl. 171—326)



1. In a frangible electrical contact brush having a conductor in electrical contact therewith, a resistance welded structure comprising a first enlarged end portion bearing against a surface of said brush, an intermediate shank portion extending through a hole in said brush and in said conductor, and a second enlarged end portion bearing against said conductor, the resistance weld in said structure being in electrical contact with but not welded to said conductor and under the influence of residual tension such that the complementary pressure exerted by said welded structure upon said conductor and said brush is sufficient to establish good electrical contact.

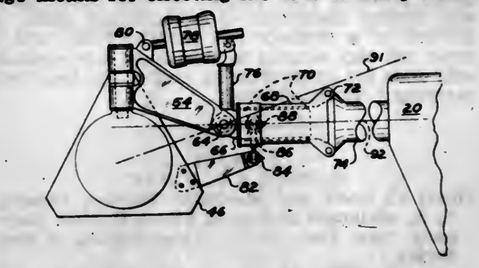
2,569,060
SWING
Huber C. Hughes, Sapulpa, Okla.
Application March 24, 1950, Serial No. 151,669
3 Claims. (Cl. 155—65)



1. A figured swing comprising a body portion, a seat carried by said body portion, a head portion hingedly mounted on the forward end of the body portion, rigidly connected downwardly extending leg portions carried by the head portion and rockable with the head portion, a stationary support above said figured member, a handle member extending through the head portion to opposite sides thereof, flexible supports connected to the outer ends of the handle member and to the stationary support, a transverse bar extending through the rear end of the body portion and terminating spaced therefrom, a flexible member extending downwardly from the stationary support in the plane of the body portion and terminating above the body portion, downwardly extending flexible members extending upwardly from the transverse bar carried by the rear end of the body portion, the upper ends of said last named flexible members being anchored to a transverse bar, said downwardly extending flexible member being anchored to said last named transverse bar in the plane of the body member.

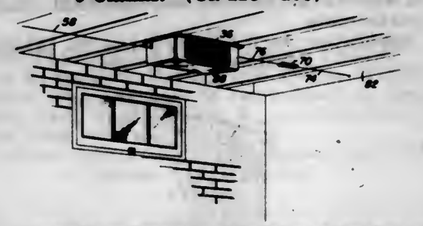
2,569,061
CONSTANT SPEED TILTING HELICOPTER ROTOR HEAD
William E. Hunt, Brooklyn, N. Y., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 15, 1946, Serial No. 709,978
4 Claims. (Cl. 170—160.25)

1. In a helicopter, an upright drive shaft, a rotor hub universally mounted on said shaft, a rotor blade mounted on said hub for pitch changing movement having hinged connections with said hub permitting flapping and drag movements of said blade, control means for tilting said hub for directional control of the helicopter, and linkage means for effecting increase in the pitch of



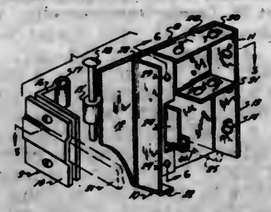
said blade as a result of lagging movement of the latter including a blade horn rigidly mounted on and depending from said blade, a bracket rigidly mounted on said hub, and a connecting link between said bracket and horn having pivotal connections at its opposite ends with said rigid bracket and horn respectively.

2,569,062
SIGNALING DEVICE FOR INDICATING FIRES OR HIGH-TEMPERATURE CONDITIONS IN ROOM AREAS
Albert O. Kjeldergaard, Bejou, Minn.
Application July 8, 1949, Serial No. 103,696
9 Claims. (Cl. 116—106)



1. A signaling device comprising a spring operated alarm having a brake mechanism and a rotatable finger grip that is operatively connected to the spring of the alarm and which will rotate during the sounding of the alarm, means for holding the brake mechanism in a brake applying position, said means including a thermal responsive member, a signal operating line, and means actuated by the finger grip for urging the line to a signal operating position.

2,569,063
MULTIPURPOSE BRACKET
Milton Koegler and Samuel Silverstein, Jacksonville, Fla.
Application April 22, 1949, Serial No. 88,932
1 Claim. (Cl. 248—264)

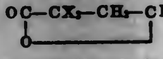


In a multi-purpose bracket for attachment to a window frame, a vertically-disposed flat

bracket body with means at one end thereof for securing it to a window frame, a hinge plate carried by the opposite end of said body and mounted thereon for pivotal movement about a vertical axis, a cover plate adjustably secured in superposed relation with respect to said hinge plate and spaced therefrom to supportingly clamp a portion of a drapery rod therebetween, and a head rail clip secured to said body intermediate said ends for supporting an end of the head rail carrying a Venetian blind.

2,569,064
GAMMA LACTONES
Elbert C. Ladd and Merlin P. Harvey, Passaic, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 19, 1949, Serial No. 88,488
9 Claims. (Cl. 260—344)

1. As a new chemical, a lactone having the formula



where X is one of the halogens chlorine and bromine, and R' and R'' are radicals of the class consisting of hydrogen and lower alkyl.

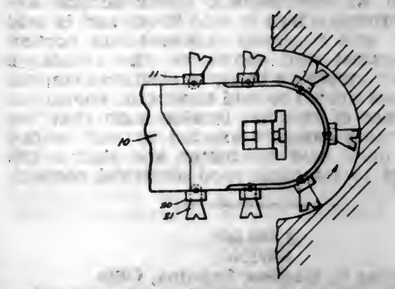
2,569,065
PLASTIC REINFORCED LEATHER HEEL
Justin P. Lavin, Haverhill, Mass., assignor to Keeler-Cochrane Heel Co., Haverhill, Mass., a partnership
Application April 3, 1950, Serial No. 153,636
3 Claims. (Cl. 36—34)



1. A shoe heel comprising a plurality of vertically stacked lifts, said lifts having an opening extending entirely therethrough which is terminally enlarged through the uppermost and lowermost lifts respectively, a hardened plastic core entirely filling said opening including the enlarged terminal portions thereof to hold and retain the lifts in assembled relation.

2,569,066
CUTTER BIT FOR MINING MACHINES
Robert M. Lewis, Summersville, W. Va.
Application April 28, 1950, Serial No. 158,776
4 Claims. (Cl. 262—33)

1. A cutting bit assembly for a cutting chain comprising a sleeve attachable to a cutting chain link, a bit having a stem portion received in said sleeve and a head portion projecting from one end of the latter, means pivotally connecting said bit to said sleeve for rocking movement of the former relative to the latter, and tips of material harder than the material of said bit secured on said bit at respectively opposite sides of the outer end of said head portion and selectively brought to cutting position in accordance with the direction of movement of the bit carrying chain by the



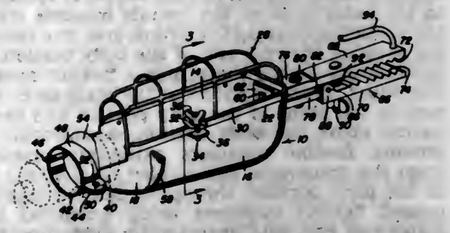
rocking movement of the bit relative to the associated sleeve.

2,569,067
WASH MITTEN
Fay Livshin, Syracuse, N. Y.
Application August 11, 1947, Serial No. 767,866
3 Claims. (Cl. 15—227)



1. A wash mitten comprising an elongated sheet of material folded upon itself along parallel transverse fold lines to provide multiple layers of material forming a pocket, said material being folded along a longitudinal line upon itself to provide a palm section and a back section, said material having free forward edges and free side edges, and means securing the free side edges of said material together and the free forward edges of said material together.

2,569,068
PORTABLE LAMP WITH REFLECTOR AND GUARD
John Maxwell, Elizabeth, N. J.
Application November 17, 1947, Serial No. 786,391
1 Claim. (Cl. 240—54)



A portable lamp comprising an elongated reflector having a flat bottom wall for resting upon a supporting structure and a pair of side walls, a pair of vertical fins fixed to and projecting from the side walls of said reflector, said reflector being tapered at one end and said fins being disposed adjacent the tapered end of said reflector, said reflector including a forward wall said forward wall and said side walls each having upper edges, a substantially U-shaped bearing flange fixed to the upper edges of said forward wall and said side walls, a wire frame hinged to one side wall of said reflector and including a substantially U-shaped portion for resting upon the U-shaped flange, means for securing the

frame to the reflector with the U-shaped portion of the frame against the U-shaped flange, and means at the tapered end of said reflector for supporting a lamp within the reflector and the frame, said fins preventing damage to the hinge of the frame and the securing means in the event of rolling of the reflector.

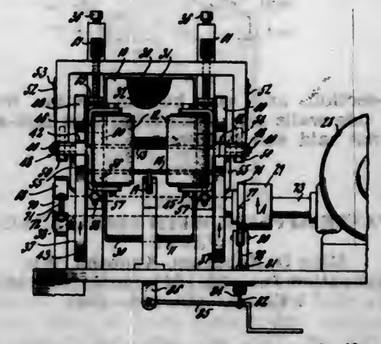
2,569,069
TOOLHOLDER
John Motel, Port Clinton, Ohio, assignor of thirty per cent to Frank J. Lawler, Cleveland, and thirty-five per cent to James A. Buck, Port Clinton, Ohio
Application July 26, 1949, Serial No. 106,781
3 Claims. (Cl. 145—50)



1. A tool of the class described comprising, a handle, a shank portion connected thereto having formed in its lower end portion a longitudinally extending groove eccentric to the axis thereof and having at the upper extremity of the groove a transverse bore through the shank, a tool of L-shaped configuration adapted to be reversibly mounted in the groove and bore, a non-rotatable slidably mounted sleeve member on the shank portion having formed therein the direction of its length an inverted U-shaped notch adapted to straddle a protruding portion of the L-shaped tool extending therethrough and an elongated slot spaced upwardly therefrom, a collar revolubly supported on the upper end portion of the sleeve member, a pin in the shank portion disposed within the slot and adapted to guide and limit the endwise sliding movement of the sleeve member thereon, a helical spring mounted on the shank portion, its lower end seated on the upper surface of the revolubly mounted collar, a fixed collar on the shank portion, the upper end of the helical spring engaging the under surface thereof, the revolubly mounted collar adapted to be held to guide the tool on being turned, the helical spring adapted to ensure locking the sleeve member in its down position to hold the L-shaped tool in the shank portion.

2,569,070
HEEL COVERING MACHINE
Frank A. O'Donnell, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 13, 1951, Serial No. 205,925
4 Claims. (Cl. 12—49.1)

1. A heel covering machine comprising a pair of horizontal rolls having resiliently yieldable surfaces, means for resiliently forcing one of said rolls towards the other for pressing the edges of the heel cover to the top and bottom surfaces of the heel foundation to be covered as it passes between said rolls, a pair of vertical rolls having resiliently yieldable surfaces positioned in front of said horizontal rolls and separated by a distance less than the width of the heel



foundation for pressing the heel cover to the side edges of the foundation, means positioned between said pairs of horizontal and vertical rolls for folding the edges of said cover over the top and bottom surfaces of said heel foundation before such edges of said cover are passed between said horizontal rolls, and means for driving at least one of said horizontal rolls for drawing said heel and cover between said rolls.

2,569,071
COUPLER FOR TOY RAILWAY TRAINS
Willis E. Rexford, Girard, and Duane Weidler, Platea, Pa., assignors to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York
Application September 19, 1950, Serial No. 185,536
12 Claims. (Cl. 213—112)

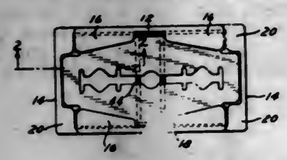


1. For use in a toy railway, an adapter for adapting a non-automatic sheet metal coupler for use with an automatic coupler, said sheet metal coupler having a slot to receive a flat tenon-like male portion of another coupler, said adapter comprising a block of material shaped to form a coupler hook dimensioned to mate with the coupler hook of the automatic coupler, and having a flat tenon-like male portion dimensioned to pass through the coupler slot of the sheet metal coupler, and a retainer on said tenon to hold the block assembled with said sheet metal coupler.

2,569,072
RAZOR BLADE DISPENSER
John G. Roberts, Dobbs Ferry, N. Y.
Application April 12, 1946, Serial No. 661,741
1 Claim. (Cl. 206—16)

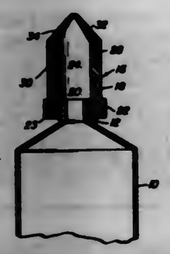
A razor blade container comprising two side walls, an end wall, a top portion and a bottom portion defining a chamber conforming to a stack of such blades, said container having a dispensing opening at one end adjacent said top portion, said chamber having end sections and

a mid-section, said top portion consisting of ears extending part way inwardly from said side walls and overstanding said end sections but not said



mid-section, and said bottom section bridging said side walls and underlying said mid-section but not said end sections.

2,569,073
PASTE APPLIER WITH SELF-CLOSING VALVE
Allen D. Robinson, Kenosha, Wis.
Application June 20, 1949, Serial No. 100,135
1 Claim. (Cl. 222—490)



A rubber dispensing cap for the threaded neck of a collapsible tube comprising a cylindrical sleeve of flexible material and having parallel side walls and opposing ends, one of said ends being open in alignment with the side walls, a circumferentially disposed annular reinforcing shoulder on the outer surface of the walls adjacent said end and of a length substantially equal to that portion of the threaded neck that the cap is adapted to engage whereby the cap may be gripped for positioning on said portion, an internal annular laterally projecting locking rib on the walls at said end whereby the sleeve may be locked on the threaded neck of a tube, flat, outwardly extending, inwardly inclined end portions on said parallel side walls at the other end of said sleeve, said end portions meeting at their outer extremities, so that they form a slotted opening when said extremities separate in response to the application of pressure on the walls of said collapsible tube, and permit the semi-fluid material in said tube to flow through said slotted opening.

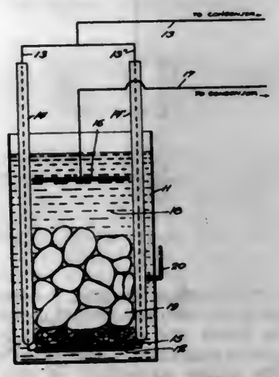
2,569,074
SAUCER
Philip Roettinger and Philip Roettinger, Jr., St. Albans, N. Y.
Application April 9, 1948, Serial No. 20,034
1 Claim. (Cl. 65—15)

A supplemental saucer element adapted to fit the bottom of a main saucer comprising top and bottom layers of paper material, and a corrugated intermediate portion for retaining the layers spaced with respect to one another, said element comprising a depressed portion having sides, said depressed portion having elongated openings extending across the same and upwardly into the sides of the portion for receiving portions of the spilled liquid, the corrugations of the spacing ma-



terial extending transverse to the elongated openings.

2,569,075
PREVENTION OF ENZYMATIC DISCOLORATION OF POTATOES
Arthur L. Schade, New York, N. Y., assignor to the United States of America as represented by the Secretary of War
Application March 21, 1946, Serial No. 656,117
5 Claims. (Cl. 99—100)



1. A process for the prevention of enzymatic potato discoloration, comprising immersing a peeled potato in an electrically conductive liquid having a resistance to an electric current below the resistance of an uncooked peeled potato and above the resistance of a cooked peeled potato to electric current, and passing a high-frequency alternating electric current through said liquid and through said potato, until said potato is cooked.

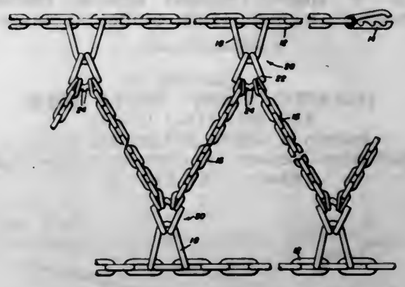
2,569,076
PADLOCK SLIDE FASTENER
Jack M. Schaye, Brooklyn, N. Y., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application April 25, 1946, Serial No. 664,794
7 Claims. (Cl. 70—63)



3. A slide fastener arranged to be locked by means of a padlock, said slide fastener having a top end and a bottom end remote from said top end, and comprising tapes with interlockable fastener elements thereon, a staple at the top end of said fastener acting also as a top stop, a slider for engaging and disengaging said elements, and an apertured pull on said slider for operating the same, said slider being disposed in that direction

which engages the elements when moved from the bottom end of the fastener toward the staple at the remote top end, said staple forming a part of said slide fastener and being secured to one of said tapes by means so localized at the edge of the tape as not to interfere with sewing of the fastener into an article, said staple comprising a projection transverse to the plane of the tapes over which the pull acting as a hasp is received preparatory to passing the shackle of a padlock through said projection.

2,569,077
ANTISKID CHAINS FOR PNEUMATIC TIRES
John E. Schneider, Minisink Hills, Pa.
Application October 14, 1947, Serial No. 779,685
3 Claims. (Cl. 152—239)



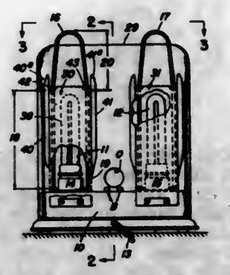
1. A tire chain including side chains for disposition on opposite sides of a tire, a plurality of cross chains adapted to overlie the tread of a tire in zig-zag fashion, and means for securing adjacent ends of adjacent cross chains to said side chains, said means including a link having diverging arms and a substantially V-shaped member interconnecting the outer extremities of said arms, each of said adjacent ends being swiveled to one of the legs of said V-shaped member.

2,569,078
SUPPORT FOR BUBBLE LIGHT DEVICE
Leonard H. Silver, Rahway, N. J., and Eugene M. Cohen, Bridgeport, Conn., assignors to M. Goldman & Company, Inc., Bridgeport, Conn., a corporation of Connecticut
Application April 15, 1948, Serial No. 21,194
2 Claims. (Cl. 240—10)



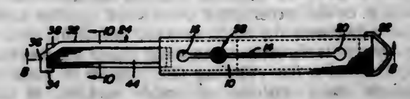
1. A bubble light ornament for use with Christmas trees, comprising an elongate bubble unit having a bubbling solution therein, said unit including a tubular transparent envelope adapted to be supported in an upright position; a molded plastic holder encasing the lower end portion of the envelope; an electric bulb in said holder, in close proximity to the lower end of the envelope; and a support means, comprising a metal ring within the holder, receiving the lower end of the envelope and disposed above said bulb, said support means also comprising an extension from said ring, passing through the said holder and terminating in a clip to mount the ornament on the branch of the Christmas tree.

2,569,079
SHOE SANITIZER
Michael E. Special, New York, N. Y.
Application October 31, 1950, Serial No. 193,251
2 Claims. (Cl. 250—51)



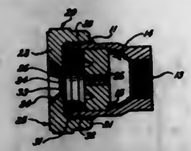
1. Shoe sanitizing apparatus comprising a base, an inverted U-shape sanitizing light tube rising from the base, a fixed open-ended open-sided light-shield rising from the base, an inverted U-shape shoe-support having a pair of shanks rising vertically from the base and terminating in an upper end portion extending inwardly at an obtuse angle to the shanks to enter the toe of the shoe for supporting the shoe with the heel portion thereof abuttingly located laterally of the base, and a swingable open-sided tube-shield opening oppositely to the fixed shield while spring-hinged to the base below the top thereof having a normally vertical body portion with an inwardly extending wing on each vertical side thereof and a horizontally extending top tongue normally projecting between the shanks of the shoe-support adapted to be swung against spring-pressure from normal vertical tube-shielding position to abnormal horizontal position and to be retained therein when the shoe is emplaced on the shank of the shoe-support.

2,569,080
KNIFE USING A DETACHABLE RAZOR BLADE
Ernest Trimble, Pittsburgh, Pa., and Ernest C. Trimble, Baltimore, Md.
Application February 24, 1949, Serial No. 78,122
3 Claims. (Cl. 30—329)



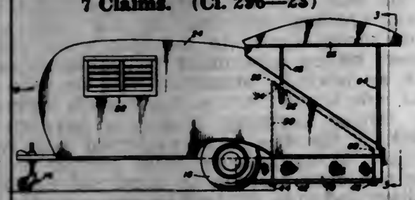
1. In a knife construction a housing having an open end, said housing having an upper and a lower wall and a slot in one of said walls, a knife holder slidably disposed in said housing and slidable through said open end, latching means for said holder slidably disposed in said slot, a blade disposed in said holder in removable relation therewith, a resilient stop supported by said holder and movable therewith, said resilient stop disposed between said blade and a part of said housing and biased against one wall of said housing by the inherent resiliency of said stop, whereby the stop will be sprung outwardly from between said blade and said part of said housing upon disengagement of at least a portion of said stop with respect to the last-mentioned wall of the housing so that said blade may be removed from said housing.

2,569,081
SPRAY NOZZLE
George W. Veach, Red Hook, N. Y.
Application January 14, 1949, Serial No. 70,979
2 Claims. (Cl. 299—120)



1. In a spray nozzle, a tubular body having an inlet opening at one end, a cap normally closing the opposite end, and having an outlet opening therein, a guide member slidably fitted in said body and having a central and a plurality of peripheral passages for directing fluid therethrough axially of the body, said guide member having a plurality of passages intermediate the central and peripheral passages for directing streams at an angle to the axis of the body and to commingle with the central and peripheral streams in said chamber.

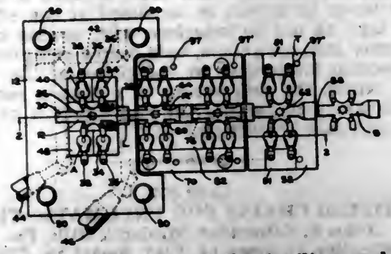
2,569,082
COLLAPSIBLE HOUSE TRAILER
Floyd L. Wheeler, Fraser, Mich.
Application February 19, 1948, Serial No. 9,567
7 Claims. (Cl. 296—23)



1. A trailer comprising a cabin having a section which includes a panel hinged at the rear end of the cabin so as to be capable of being raised, a floor in said cabin having a portion movably connected therewith for vertical movement, and means for lowering said portion when said section is raised, said means including an arm pivoted to said panel at a point spaced from its hinge axis so that movement is imparted to said arm upon the panel being raised about the hinge, a pair of spaced guides secured to said cabin, a cable extending over said guides and secured adjacent its ends to said portion, and said arm operatively engaging said cable between said spaced guides for varying the length of said cable between said guides as said section is being raised.

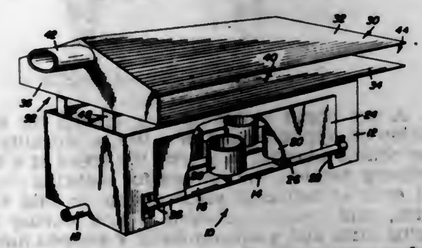
2,569,083
METHOD AND APPARATUS FOR MOLDING AND TRIMMING
John H. Wilhelm, Hamilton Beach, N. Y., assignor to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application March 25, 1947, Serial No. 736,943
12 Claims. (Cl. 29—33)

2. Apparatus for molding articles, said apparatus comprising a mold separable on a parting plane, said mold being provided with a cavity for an article and a cavity for a runner extending in the parting plane of the mold, feed means to move the molded piece longitudinally of the runner cavity for a distance slightly less than the length of the runner cavity, the runner cavity portion for forming the leading end of the runner being larger than the runner cavity portion for forming the trailing end of the runner, whereby the leading end of the next



runner is molded around the trailing end of a preceding runner, and so on, in order to form a chain of spaced, molded articles connected through the medium of the connected runners.

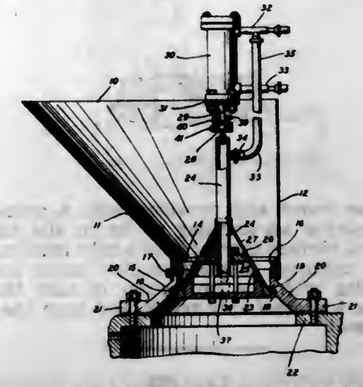
2,569,084
TOBACCO CURING STOVE WITH AIR-HEATING HOOD
Judson H. White, Whiteville, N. C.
Application January 21, 1949, Serial No. 71,914
1 Claim. (Cl. 126—93)



In a tobacco curing apparatus, the combination of a substantially rectangular housing open at the top thereof and affording a heating chamber, a burner unit provided in said chamber, a cover assembly positioned above said housing and including peaked upper and lower walls disposed in spaced interfitting relation, a set of brackets extending upwardly from said housing and secured to the lower wall of said cover assembly to position the latter in spaced relation above the housing whereby to provide outlet passages for products of combustion between the upper edges of the housing and the marginal edges of said lower wall, said upper and lower walls defining therebetween a hot air chamber and defining a hot air outlet between marginal edges of said walls disposed above said outlet passages whereby products of combustion which escape outwardly and upwardly from said passages and pass beyond said outlet openings will draw hot air out of the latter, and cold air inlet ports communicating with said heating chamber and said hot air chamber.

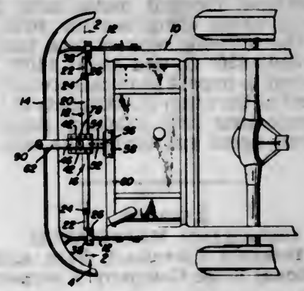
2,569,085
HOPPER, WITH VALVE CLOSURE HAVING VIBRATOR THEREIN, FOR SAND AND OTHER DIVIDED MATERIAL
David Howard Wood, Barnt Green, and Herbert James Roe, Knowle, England
Application August 11, 1945, Serial No. 610,328
In Great Britain August 17, 1944
5 Claims. (Cl. 222—196)

1. A hopper for receiving finely divided material having a discharge opening in which a joint ring is secured, a closure member arranged to close against the joint ring, the said closure member being of hollow conical form and said closure member being secured upon a tubular connecting rod suspended by a universal joint on a piston rod of a power cylinder mounted above



the hopper; a vibrating device arranged in said hollow closure member with a tubular connection between said device and the tubular connecting rod, and said tubular connecting rod having a flexible pipe connected with its interior and connected also with a fluid pressure supply means.

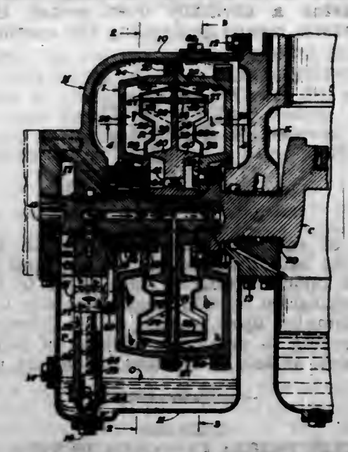
2,569,086
ADJUSTABLE TRAILER HITCH
Bernard A. Zenk, Truman, Minn.
Application May 20, 1949, Serial No. 94,434
10 Claims. (Cl. 280—33.44)



1. In a vehicle frame having a set of rearwardly projecting bumper arms thereon, a trailer hitch comprising a supporting member extending transversely between and secured at the ends thereof to said bumper arms, a drawbar receiving socket mounted intermediate the ends of said member, a draft element extending forwardly from said socket, a mounting plate vertically pivotally attached to said draft element and adapted to be secured to said frame, and a drawbar removably receivable in said socket.

2,569,087
ROTARY TURBINE-TYPE FLUID COUPLING
Alexander M. Alexandrescu, Cleveland, Ohio
Application December 11, 1948, Serial No. 64,739
6 Claims. (Cl. 60—54)

1. A fluid coupling comprising an impeller element having two axially-spaced rows of radial blades and a runner element between said impeller blades and having a central flange and two axially oppositely directed rows of generally radially-directed blades, there being a relatively small clearance between the edges of adjacent rows of blades on the runner and impeller elements, the edges of said blades being configured sinuously to provide complementary interfitting



elements, said edges being axially spaced a substantial distance from their points of attachment to provide a radially-uninterrupted flange to accommodate an unsheared body of fluid for fluid circulation.

2,569,088
CYLINDRICAL PACKING VESSEL
Torsti Erkki Arijoki, Helsinki, Finland
Application June 18, 1949, Serial No. 99,937
In Finland January 13, 1949
4 Claims. (Cl. 217—79)

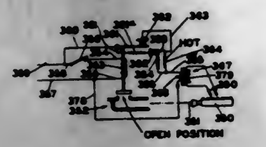


1. In a cylindrical vessel of veneer having a mantle with an internal groove within at least one end of the vessel, the combination of a lid comprising two complementary halves with outer arcuate beaded edges adapted to cooperate with the internal groove in the mantle, the two lid halves having a slit between the inner opposite edges thereof, spacing said lid halves apart; an elongated tightening tongue disposed in the slit between the lid halves to close the major portion of the length of said slit and terminating short of, and spaced a predetermined distance from the mantle at both ends of said tongue to provide wedge spaces beyond the ends of said tongue; and a pair of downwardly narrowed wedges which are movable at right angles to the top surface of the lid occupying said wedge spaces and serving to wedge said lid halves apart into the groove in said mantle, the lid halves, tongue and wedges being disposed in the same general plane.

2,569,089
BURNER SYSTEM, INCLUDING IGNITION CONTROLLING MEANS
Fred B. Aubert, Detroit, Mich.
Application June 19, 1946, Serial No. 677,874
12 Claims. (Cl. 158—99)

1. A burner safety control apparatus, comprising a burner, a gaseous fuel controlling valve

for said burner, electric ignition means for said burner, an electric circuit for said ignition means, a switch in said circuit and open when said valve is closed, means to close said switch upon opening of said valve, a circuit shunting said switch and having a normally open switch therein, thermostatic means controlling the opening and



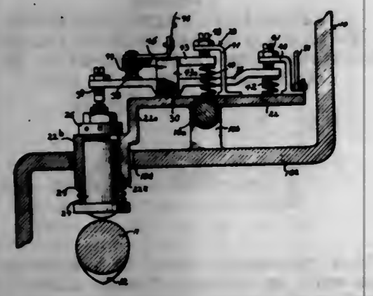
closing of said last-named switch, an electric heater for said thermostatic means, and means operable upon opening of said valve to control the energization of said heater thereby to close said normally open switch, said thermostatic means acting to delay the opening of said normally open switch subsequent to closure of said valve.

2,569,090

ELECTRICAL CONTROL DEVICE

James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 27, 1945, Serial No. 625,091
2 Claims. (Cl. 200—27)



1. A device for use to actuate a fuel valve of an engine which comprises a tiltably mounted carriage, a pair of cam-actuated tappets slidably mounted on said carriage, a switch biased to closed position on said carriage, tappet contact means on said switch arranged to be engaged by one of the tappets for opening the switch, a second switch on said carriage biased to open position and having a cam-actuated tappet contact means for closing the switch, a yieldable contactor on said second switch accommodating movement of the switch by its actuating tappet even after the switch is closed, and means for tilting the carriage to vary the amount of dwell of the tappets.

2,569,091

SEWING MACHINE THROAT PLATE RETAINING MEANS

Ramon Casas-Robert, Geneva, Switzerland, assignor to Mefina S. A., a corporation of Switzerland

Application March 29, 1946, Serial No. 658,271
In Switzerland August 8, 1945
5 Claims. (Cl. 112—260)

1. In a sewing machine having a needle and a frame provided with an opening in its upper surface, said surface having a seat about said opening to receive a throat plate, a throat plate having a circular through opening therein, an annular projection of triangular cross section intermediate the ends of the through opening to provide a restricted portion, a screw threaded



into the frame and provided with a cylindrical head having an annular recess in the circumferential surface thereof, and a split resilient ring loosely mounted in said annular recess and cooperating with the projection in said through opening to detachably retain and urge the plate on its seat.

2,569,092

PHOSPHORIC ACID OR METAL PHOSPHATE CATALYSTS ON PRECALCINED CARRIERS AND THEIR PREPARATION

Roland F. Deering, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application July 1, 1949, Serial No. 102,723
16 Claims. (Cl. 252—435)

1. A method of making a catalyst of the type comprising a siliceous support and a catalytic agent selected from the class of compounds consisting of the oxygen containing phosphoric acids and transitional element metal salts of phosphoric acids which comprises the steps of precalcining the siliceous support to a temperature between about 800° C. and about 1400° C. for a time sufficient to impart physical strength thereto independent of the other constituents of the catalyst, impregnating said calcined support with said catalytic agent and drying the impregnated support.

2,569,093

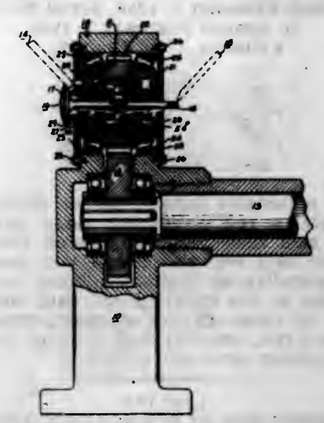
CHUCKING MECHANISM

Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, a corporation of Ohio

Application May 4, 1948, Serial No. 25,033
7 Claims. (Cl. 279—56)

5. A rotatable chucking device for rotating a workpiece for machining both ends thereof at the same time, said device comprising, a supporting member having opposite surfaces with an aperture extending therebetween, a cap member on each side of said supporting member and thus in each end of said aperture, a pair of opposed chuck collets within said aperture and between said cap members, each having an external cam surface, chuck sleeves slidable on said collets and having opposed tapered end surfaces, said chuck sleeves having internal cam surfaces engaging the external cam surfaces of the chuck collets to radially contract the same onto a workpiece inserted therein, one spool shiftable in the aperture of said supporting member and surrounding both of said chuck sleeves, said spool having cam recess means of variable depth on the inside thereof, wedge means in said recess means within said spool and between the opposed tapered end surfaces of the chuck sleeves, and spool shifting

means extending outwardly through at least one of said members for shifting said spool and thereby camming said wedge means between the chuck sleeves to radially contract the chuck collets.

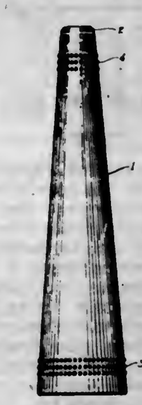


2,569,094

TEXTILE CONE

Charles K. Dunlap, Hartsville, S. C., assignor to Sonoco Products Company, a corporation of South Carolina

Application August 6, 1945, Serial No. 609,086
1 Claim. (Cl. 242—122)



A textile cone for supporting yarn packages of relatively large size synthetic yarns, such as rayon tire cord, said textile cone comprising a conical paper body having a configurated pattern of rounded, raised bosses spaced circumferentially on its exterior surface adjacent each end thereof in relation to the disposition of the end loops of yarn windings wound on said paper body, said raised bosses being rounded in all directions, being proportioned to project from said paper body at a height equal to at least half the diameter of the relatively large size synthetic yarn to be wound thereon, and being arranged with a circumferential spacing corresponding substantially to their size, whereby said bosses are adapted to secure the inner windings of a package of said large size yarn against slippage on said paper body during winding and subsequent use of said package, and the remaining exterior surface of said paper body being smooth and uninterrupted whereby the inner windings of said package may be withdrawn easily from said paper body.

2,569,095

METHOD OF PRODUCING CARBON, SULFUR, AND HYDROGEN COMPOSITIONS

Bernard W. Gamson, Morton Grove, Ill., assignor to Great Lakes Carbon Corporation, Morton Grove, Ill., a corporation of Delaware

No Drawing. Application June 15, 1948, Serial No. 33,227
12 Claims. (Cl. 260—139)

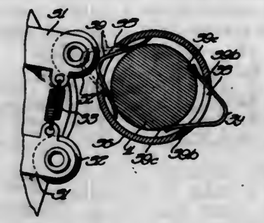
1. A process for manufacturing hard, dense, insoluble, infusible, compositions of carbon, sulfur and hydrogen, which comprises dissolving raw, normally infusible coke made by pyrolyzing hydrocarbon mixtures, said coke having a volatile content of at least 8% which is capable of evolution only upon carbonization, in a solvent for said coke to form a solution which is liquid in the range of 300–500° F., thereafter forming a uniform liquid mixture of said coke solution with elemental sulfur in proportions at least 60% of the stoichiometric equivalent of the hydrogen content of the organic components of said solution, at a temperature of about 300–450° F., heating the mixture at 450–625° F. converting it to a solid material, and heating the solid at 625–1800° F. to form a hard, dense, amorphous, insoluble, infusible composition of chemically combined carbon, hydrogen and sulfur.

2,569,096

SAFETY RELEASE CAM

Hermann Geiger and Nelson H. Weber, Bronson, Mich., assignors to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana

Application January 21, 1950, Serial No. 139,952
5 Claims. (Cl. 74—567)



1. In a directional signal switch assembly cooperable with the steering assembly of a vehicle, a rotatable steering post, a resetting mechanism having cam elements selectively movable into and out of a locale proximate the steering post, a pair of generally V-shaped strips of resilient spring metal arranged on diametrically opposite sides of the steering post, a collar surrounding the steering post in the locale of the resetting mechanism and defining a pair of spaced apertures constructed to receive the apicillary portions of the strips in outwardly projecting relationship, the leg portions of the strips bearing at spaced points against the steering post, and means to lock the collar to the steering post, whereby the strips will normally actuate the cam elements of the resetting mechanism but will yield radially inwardly under the influence of abnormal displacement forces.

2,569,097

METHOD OF COATING FERROUS METAL WITH ALUMINUM OR AN ALUMINUM ALLOY

Howard L. Grange, Darlington, Wis., and Dean K. Hanink, Birmingham, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application February 20, 1951, Serial No. 211,977
17 Claims. (Cl. 117—52)

1. A method of coating ferrous metal with a coating metal of the class consisting of aluminum and aluminum base alloys which comprises immersing the ferrous metal in a fused salt bath composed about as follows:

37 to 57%, KCl
25 to 45%, NaCl
3 to 20%, Na_3AlF_6
0.5 to 12%, AlF_3

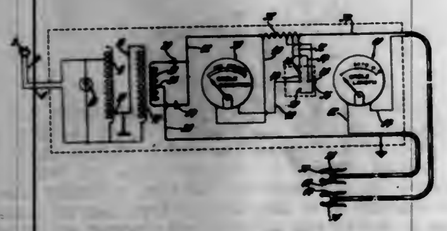
said fused salt bath being activated by aluminum in contact with the fused salt, said fused salt bath being at a temperature within the range of about 1250° F. to 1600° F., said ferrous metal having a temperature at least as high as the melting point of the said coating metal while in said activated salt bath, then immersing the ferrous metal in a molten bath of said coating metal while the ferrous metal is at a temperature at least as high as the melting point of said metal coating bath and thereafter removing the coated ferrous metal from said metal coating bath.

2,569,098

PORTABLE CABLE TESTER

Curtis W. Hendricks, Detroit, and Jack Ogden, Melamora, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 12, 1947, Serial No. 773,632
3 Claims. (Cl. 175—183)



1. In means for testing the electrical conductivity of a length of cable, a source of electrical power, auto transformer means connected to the source and having an adjustable tap, output means connected to the transformer terminating in clamping means to be applied to the ends of the cable to be tested, voltage responsive indicating means calibrated in cable lengths connected across the output so that when the adjustable tap is moved until the voltage responsive means reads the length of the cable under test a predetermined fixed incremental voltage is applied to the cable, a resistance in series with the output means having a plurality of taps, switching means connected to said taps and measuring means connected to the resistance and the switching means to indicate the current when the proper voltage is applied.

2,569,099

YIELDABLE LAPPING PLATE

Curt Herzstark, Mauren, Liechtenstein

Application February 3, 1950, Serial No. 142,139
In Austria February 7, 1949
4 Claims. (Cl. 51—212)



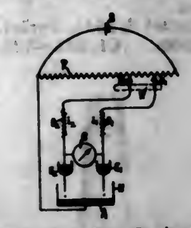
1. An adjustable lapping device comprising a base plate, a rod positioned along one center axis of said base plate, a lapping plate positioned on said rod and above said base plate, and a plurality of tensioning bolts connecting said plates at the ends thereof, said bolts being adapted to cause flexure of said lapping plate about said rod, whereby said lapping plate presents a convex working surface.

2,569,100

APPARATUS FOR ELECTROLYTIC INVESTIGATION OF SOLUTIONS

Jaroslav Heyrovský, Prague, Czechoslovakia, assignor to Zbrojovka Brno, Narodni Podnik (also named Brno Arms Factory, National Corporation), Prague, Czechoslovakia, a corporation of Czechoslovakia

Application October 1, 1947, Serial No. 777,223
In Czechoslovakia October 2, 1946
2 Claims. (Cl. 175—183)



1. In an apparatus for electrolytical investigation of solutions by the determination of the first differential derivative of the current voltage curve, an electrolytic cell, two polarizable electrodes and a third unpolarizable electrode in said cell, means for maintaining a constant voltage across said polarizable electrodes, means for impressing a continuously changing voltage across one of said polarizable electrodes and the unpolarizable electrode, and measuring apparatus connected between said polarizable electrodes.

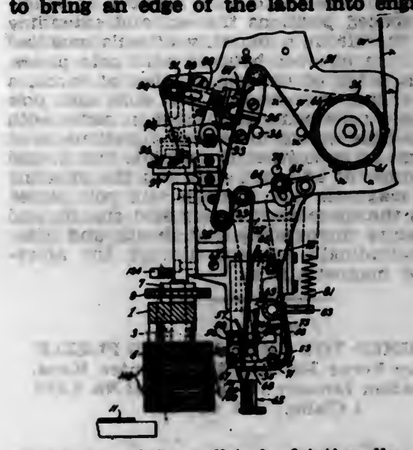
2,569,101

LABEL SEVERING AND AFFLYING MACHINE

William Hoppe, Longmeadow, Mass., assignor to National Bread Wrapping Machine Co., East Longmeadow, Mass., a corporation of Massachusetts

Application November 12, 1948, Serial No. 59,628
9 Claims. (Cl. 216—25)

1. A machine for severing and applying labels to packages which comprises, a roll for applying labels to a face of a package, means to rotate said applying roll, a pair of drawing rolls for advancing a label web, a label carrier pivoted for swinging movement, said carrier in one position of its swinging movement being positioned to receive a leading end portion of the label web advanced beyond said drawing rolls, means between the drawing rolls and the carrier to sever the so-extending portion of the web to form a label and means to swing the carrier with the severed label therein from its last-named position to bring an edge of the label into engagement



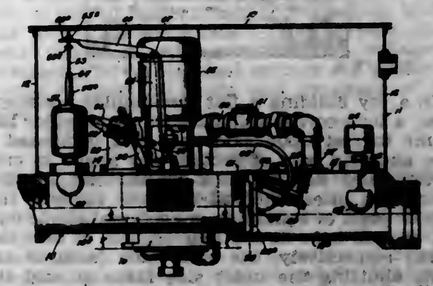
with the applying roll to be frictionally advanced thereby into contact with the package.

2,569,102

FLOOD CONTROL SYSTEM

Ezra F. Howe, Chicago, Ill.

Application August 26, 1949, Serial No. 112,587
14 Claims. (Cl. 182—1)



1. In a flood control system associated with a disposal pipe and including main valve means in said pipe, motor means for operating said valve means, a by-pass passageway communicating with said pipe on opposite sides of the main valve means and a pump in said passageway for forcing material in the pipe behind the main valve means through said passageway, apparatus of the character described for housing said system, comprising: a lower pit structure adjacent said pipe and housing said by-pass passageway; an upper pit structure adjacent said lower pit structure, said upper pit having a floor; and a drain pipe extending from said upper pit through said floor, and into said passageway below the minimum level of liquid therein to provide a deep seal trap.

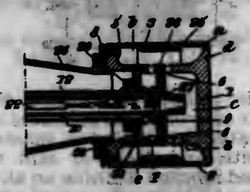
2,569,103

INTERNAL-COMBUSTION ENGINE PISTON

Robert Huber, Bellevue, and Prosper Victor Félix, Paris, France, assignors to "Societe d'Etudes & de Participations: Eau, Gaz, Electricite, Energie," S. A. Geneva, Switzerland, a society of Switzerland

Application March 29, 1950, Serial No. 152,722
In France April 8, 1949
5 Claims. (Cl. 123—41.36)

1. An internal combustion engine piston which comprises, in combination, a cylindrical wall, an end wall transverse to the axis of said cylindrical wall, a cylindrical partition coaxial with said cylindrical wall on the inside thereof and extending from said end wall to a distance therefrom, a transverse partition extending from said cylindrical wall to said cylindrical partition at the end thereof located at a distance from said piston end wall, whereby an annular chamber for a cooling liquid is formed between said cylindrical wall, said cylindrical partition, said piston end wall and said transverse partition, a second transverse partition extending across said cylindrical partition and on the inside thereof at a place intermediate between the piston end wall and



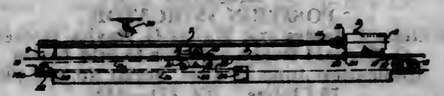
the first mentioned transverse partition, whereby a central chamber is formed between said cylindrical partition, said piston end wall and said second transverse partition, means for feeding cooling liquid into said central chamber, the cylindrical partition being provided with at least one inlet aperture connecting said central chamber with said annular chamber, said aperture being located at a distance from the piston end wall, said cylindrical partition being also provided with at least one outlet aperture located between said two transverse partitions and at a distance from the first transverse partition, and means for letting out cooling fluid from said second mentioned aperture.

2,569,104

MANDREL BAR SUPPORT

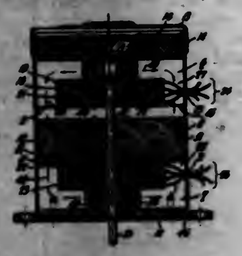
Max Jaenchen, Youngstown, Ohio, assignor to The Aetna-Standard Engineering Company, Youngstown, Ohio, a corporation of Ohio

Application March 9, 1946, Serial No. 653,400
4 Claims. (Cl. 80—11)



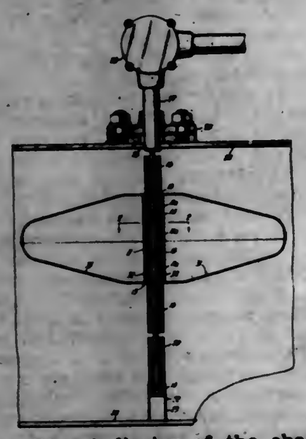
4. An apparatus for operating mandrel bars including in combination, a table, a thrust block carriage movable along said table from an advanced position to a retracted position, an elongated mandrel bar secured to said carriage at one end and axially movable therewith, a stationary mandrel bar support mounted on said table adjacent said advanced position for supporting the other end of said bar when said carriage is in its retracted position and for supporting said bar intermediate of its length during movement of said carriage as the said other end of said bar moves beyond said stationary support, a movable bar support located midway between said stationary support and carriage, and means for moving said movable bar support relative to the movement of said carriage so that the position of said movable bar support will be maintained at its midway position with respect to said stationary bar support and carriage irrespective of the movement of the latter including means for moving said movable bar support and means operated by said carriage movement for controlling the movement of said last mentioned means.

2,569,105
MAGNETIC POSITION RESPONSIVE DEVICE
William J. James, Richmond, Calif.
Application February 26, 1948, Serial No. 11,143
1 Claim. (Cl. 171—242)



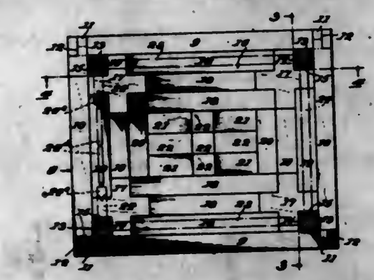
A magnetic position responsive device comprising a pair of cylindrical members of magnetic permeable material mounted in substantial axial alignment with end faces of said member in spaced opposed relation defining an air gap therebetween, each of said members being formed with an annular recess substantially concentric to the axis of said member and opening to said end face of said member, said recess being defined between a central core and a spaced concentric outer annular wall, an inductance winding mounted in each of said recesses and providing when electrically energized magnetic flux traversing said core and wall and emanating from said end face into said air gap, said cores being formed with axially aligned bores, a shaft of non-magnetic material slidably mounted for longitudinal reciprocation in said bores coaxially of said members, and an armature of magnetic permeable material mounted substantially concentrically on said shaft for movement therewith, said armature extending radially from said shaft into opposed relation with said outer annular walls and having its axially spaced sides substantially parallel to said end faces and for movement with said shaft while maintaining parallelism between said sides and end faces.

2,569,106
POSITION INDICATOR
William J. James and Walter G. Bayha, Berkeley, Calif.; said Bayha assignor to said James
Application June 29, 1946, Serial No. 680,496
10 Claims. (Cl. 171—242)



3. A position indicator of the character described comprising, an elongated core member of low magnetic permeability, a plurality of pole pieces mounted on said core member at longitudinal spaced positions thereon and extending radially therefrom, a plurality of coils mounted on said core member between said pole pieces, said coils being of unequal number of turns, a tubular sheath surrounding said coils and pole pieces, said coils being connected in series with alternate coils wound in reverse directions so as to produce an opposition of magnetic flux in said core member at adjacent coils and the inducing of such magnetic flux through said pole pieces and into the space surrounding said sheath, and an armature surrounding said sheath and movable longitudinally thereof through the aforedescribed magnetic field.

2,569,107
COMBINED TOY BUILDING AND PUZZLE
Clarence Verne Johnson, Yates Center, Kans.
Application January 19, 1948, Serial No. 2,980
1 Claim. (Cl. 46—19)



In a toy building a flat rectangular horizontal base, a four-cornered horizontal rectangular base frame to rest upon said base and composed of side and end bars of rectangular shape in cross section and having hook-shaped end portions which are interlocked at the four corners, four corner posts of square cross-sectional shape resting on said base in the four corners of said base frame respectively, the outer side faces of said posts abutting the inner side faces of said side and end bars, the opposed vertical faces of said posts being formed with longitudinal grooves, a floor extending from one of said side bars to the other and from one of said end bars to the other, said floor consisting of contacting blocks resting on said base and having a vertical height corresponding to that of said side and end frame bars, whereby said blocks and the lower portions of the posts will fill the space within said frame, four of said blocks being disposed at the four corners of said floor and having flat faced notches to engage the inner faces of said posts, said notches coacting with said corners of the frame in forming sockets in which the lower ends of said posts are snugly seated and held, side and end walls resting on said floor and having end edges seated in said grooves of opposed posts to hold said walls between said posts, a roof and means connecting the upper ends of said posts and supporting said roof.

2,569,108
ROLLER TYPE BRAKE
Frederick Koch, Sparta, N. J., assignor to Associated Patentees, Inc., Ampere, N. J., a corporation of New Jersey
Application November 30, 1948, Serial No. 62,691
1 Claim. (Cl. 188—82.84)

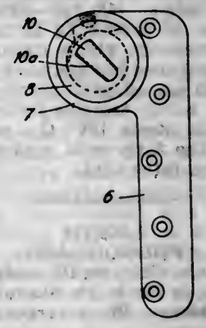
A quick acting, accurate, one-way brake for stock gripping rollers or the like comprising a

cam and a surrounding cylindrical track in spaced, relatively rotatable relation, wedge rolls confined between said relatively rotatable cam and track, said cam having outwardly extending wedging cam faces with radially projecting, rigid abutment shoulders at the inner ends of the same and notches in back of said shoulders, and elongated, flat arched springs disposed in the space between said cam and surrounding track and with said radially projecting shoulders extending outwardly into the arches of the springs, said springs having hooked inner ends entered in said notches and extending therefrom in arched formation freely over the outer ends of said rigid



abutment shoulders and having arcuate terminals at the forward free ends of the same in front of said shoulders and engaging the backs of the rollers to thrust the latter outwardly into engagement with the surrounding cylindrical track and said arched springs being thereby supported free to hold the rolls outward in engagement with the track but yieldable under pressure of the rolls to permit said arcuate roll engaging terminals to engage the forward faces of said abutment shoulders and whereby the collapsing movements of said arched springs are positively limited to prevent strain and breakage of the same.

2,569,109
PIVOT FOR HORIZONTALLY SWINGING WINDOWS
Sigfrid Emanuel Lidin, Stockholm, Sweden, assignor to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden, a corporation of Sweden
Application June 15, 1945, Serial No. 599,620
In Sweden March 31, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1964
3 Claims. (Cl. 16—140)



1. A pivot bearing for a window sash adapted to swing about a horizontal axis in a stationary window frame, comprising, in combination, a first fitting adapted to be secured to the stationary window frame and having an open, bevelled slot, a second fitting adapted to be secured to the swingable window sash, a cylindrical casing on said second fitting, a pivot member rotatably journalled in said casing and having a circumferential circular groove, a projection on said member, said projection being bevelled to fit in the slot in said first fitting, a brake shoe in the groove in said pivot member and having a recess, a screw in said casing entering the recess in said brake shoe, and a circularly bent plate spring in the groove in said member, the ends of said spring engaging the ends of said brake shoe so that said brake shoe and said spring together form a ring.

2,569,110
LIQUID CONTROL FOR STORAGE TANKS
John J. McGillis and Hugh D. McGillis, Brockton, Mass.
Application October 22, 1946, Serial No. 704,838
5 Claims. (Cl. 137—68)

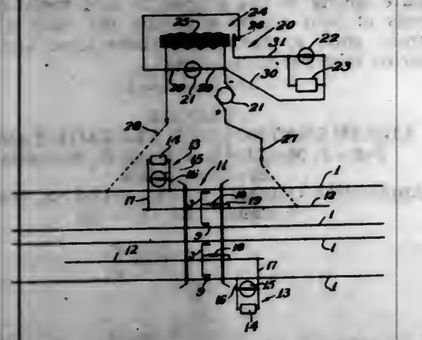


1. Liquid control mechanism comprising a discharge nozzle closed at one end and having an inlet opening substantially spaced from said closed end, spray openings in the side walls of the nozzle toward said closed end thereof, means providing a flow passage to said nozzle, a valve movable to open and to close said flow passage, means in said flow passage on the in-flow side of said valve for directing in-flowing liquid so that the liquid will avoid said valve so long as the valve is in any position between a fully open position and a predetermined partially open position and will engage and drive the valve to a fully closed position whenever a closing movement of the valve brings it beyond said predetermined partially open position, a float exteriorly of said nozzle and pivotally mounted adjacent to the delivery portion thereof, and means positively interconnecting said float and said valve whereby the valve is positively moved in both closing and opening directions in response to pivotal movements of said float.

2,569,111
HIGHWAY CROSSING SIGNALING DEVICE
Frank P. Miller, Chicago, Ill.
Application August 31, 1949, Serial No. 113,301
7 Claims. (Cl. 246—126)

1. In a railroad highway crossing signaling device adapted for use with a track and a railroad vehicle carried by said tracks, a source of electric current carried by said railroad vehicle, a third rail carried parallel to said track adjacent a highway crossing, an external circuit comprising an electric signal positioned adjacent said crossing and connected across a rail of said track and

said third rail, means upon said railroad vehicle for connecting said source of current to said external circuit to actuate said signal when said railroad vehicle approaches said crossing, electric signal means carried by said railroad vehicle, switch means for connecting said signal means



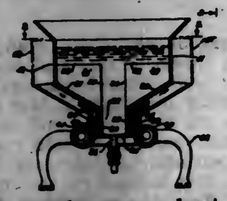
to said source of current to actuate said signal means, crossing switch means actuated by a highway vehicle at said crossing for increasing the current through said external circuit, and means carried by said railroad vehicle for closing said switch means in response to said increase in current in said external circuit.

2,569,112

HEAT EXCHANGE SURFACE CONSTRUCTION AND DEVICE EMBODYING THE SAME

Glen W. Miller, Covina, and Edward Lucas Kells, Alhambra, Calif.

Application July 31, 1947, Serial No. 765,046
18 Claims. (Cl. 237—67)



1. In a heat exchanger, a heat transfer surface, a plurality of fins associated with the heat receiving face thereof, each fin comprising a portion having a surface secured directly to said face, another portion projecting outwardly from one edge of the secured portion, and still another portion turned laterally and projecting away from the remote edge of the second portion in the opposite direction from the first, the free edge of the last-mentioned portion being positioned adjacent to a portion of the next adjacent fin and cooperating therewith and with the said heat receiving face to provide a longitudinally unobstructed conduit for the flow of a heat exchange medium, and burner means below said fins for delivering a gaseous heat exchange medium to the lower ends of said conduits.

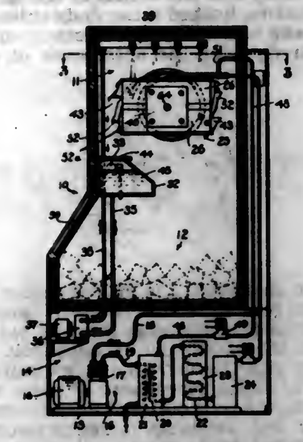
2,569,113

AUTOMATIC ICE CUBE PRODUCING AND STORING APPARATUS

Clarence F. Mumbower, Columbus, Ohio, assignor to Coltemp Corporation, Columbus, Ohio, a corporation of Ohio

Application September 21, 1948, Serial No. 50,264
4 Claims. (Cl. 62—2)

1. Automatic ice-cube-freezing and storing apparatus comprising: a cabinet having thermally insulated walls defining a freezing and cube-storage chamber, a mold supported in the upper part of said chamber for turning movement about a substantially horizontal axis, said mold including a plurality of oppositely facing cube-freezing receptacles, heat-insulating means disposed between said receptacles to effect thermal spacing thereof, liquid-supply means in the upper part of said chamber in registration with an upwardly facing receptacle of said mold, me-



chanically actuated means for circulating a fluid refrigerant through an upwardly facing receptacle of said mold, means for circulating a heated fluid through a downwardly facing receptacle of said mold to release ice cubes from adherence with the walls thereof, means for imparting turning movement to said mold including a reversible electric motor having an operating circuit, and a time-controlled switch means in said circuit for governing the reversal of said motor.

2,569,114

METHOD OF PRODUCING LACTAMS AND THEIR HYDROLYTIC PRODUCTS

Alois Nevetny, Prague, Czechoslovakia

No Drawing. Application April 5, 1948, Serial No. 19,175. In Czechoslovakia September 8, 1947
9 Claims. (Cl. 260—239.3)

1. A method of producing lactams and fatty acids simultaneously which comprises reacting primary nitroalkanes having more than one carbon atom with an alicyclic mono-ketone in the presence of a sulfur trioxide hydrate at a temperature up to about 160° C., separating the lactam from the fatty acid, and recovering the lactam and the fatty acid.

2,569,115

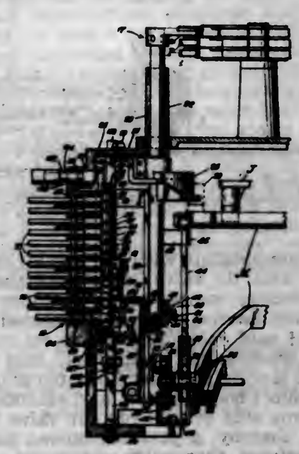
PHONOGRAPH

David C. Rockola, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware

Application September 8, 1944, Serial No. 553,161
3 Claims. (Cl. 274—10)

1. A record selector for a multi-record phonograph, comprising a record selecting mechanism mounted for movement from and to an initial position and having a course of movement including a plurality of record selecting positions; operating means for moving said record selecting mechanism between said initial position and

every one of said record selecting positions; record predetermining means operable at a plurality of positions respectively corresponding to said record selecting positions for predetermining a number of record selecting positions to which said selector mechanism is to be moved; and a movable selector detent having a course of movement corresponding to that of said record selecting mechanism including means engageable with said record predetermining means at all of said positions respectively corresponding to said record selecting positions for sequentially interrupting movement of said selector detent in a direction away from said initial position at a



number of record predetermining positions, means engageable by said selecting mechanism for stopping it at a record selecting position for each record predetermining position of said selector detent, and means normally in an ineffective position during movement of said selector detent from one to another of said record predetermining positions in a direction away from said initial position and automatically movable to an effective position after movement from a predetermined one of said record predetermining positions in a direction away from said initial position for engagement and movement by said operating means to said initial position.

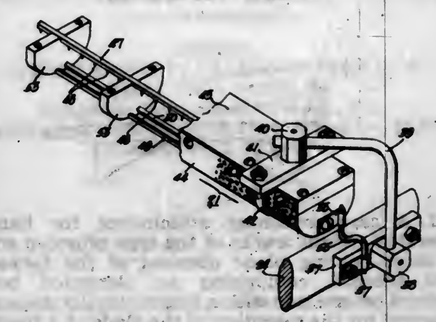
2,569,116

STATIC CHARGE REMOVAL DEVICE

John W. Roscoe, Havertown, and Harry Kupke, Yeadon, Pa.

Application February 13, 1950, Serial No. 143,912
4 Claims. (Cl. 175—264)

1. A static charge removal device, comprising an elongate air-impervious member substantially rectangular in cross-section and composed of insulating material and having a substantially planar surface serving as an air baffle, a conductor extending along said surface lengthwise of said member substantially midway of the width of said member, connection means extending from said conductor for application of a high alternating voltage thereto, a plurality of pointed electrodes spaced along and extending from said conductor substantially perpendicular to said surface, at least one ground conductor extending substantially parallel to said surface and to said first conductor in opposed spaced relation to said electrodes, whereby application of said voltage produces ozone and creates a suction effect causing flow of air inwardly adjacent said surface and thence in the direction of said ground conductor, thus propelling the ozone past said ground conductor, and a semi-cylindrical perforated shield secured at its edges to said air-impervious mem-



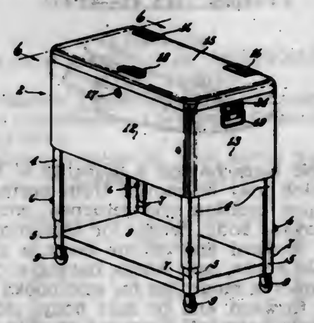
ber and with said member forming an enclosure for said conductors, the distance between said ground conductor and said pointed electrodes being less than the distance between said pointed electrodes and said shield.

2,569,117

COMBINED STAND AND CABINET APPARATUS FOR BOOKS

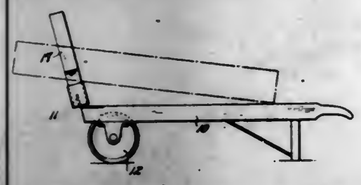
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts

Application July 30, 1947, Serial No. 764,721
3 Claims. (Cl. 312—233)



1. In apparatus of the kind described, the combination of a book truck to carry books from storage to the point of use and mounted on the truck a table top with legs to support the books in working position at working level, a cabinet having a bottom wall mounted underneath said table top and side walls extending upwardly in telescopic relation to the table top and its legs, the bottom wall of the cabinet having openings to freely pass said table legs, a top cover for the cabinet, and a cabinet lock for said cover, spring latch means mounted on the cabinet and stationary abutment means on the table top engageable by said latch means for supporting the cabinet in its upper telescopic position, manually releasable means mounted on said cabinet to release said latch to lower said cabinet to its lower telescopic portion, and abutment supports on the table to hold the cabinet in position to expose any books on the table top.

2,569,118
CARGO-RETAINING ATTACHMENT FOR HAND-OPERATED FREIGHT TRUCKS
Dale W. Sherman, Columbus, Ohio
Application November 7, 1949, Serial No. 125,927
3 Claims. (Cl. 280—56)



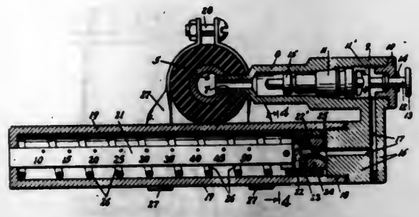
1. A cargo-retaining attachment for hand-operated freight trucks of the type provided with a cargo-holding blade disposed at the forward end thereof, comprising an elongated body formed on one side with a longitudinally disposed channel for the reception of the blade of a freight truck, a longitudinally disposed cushion of resiliently flexible material carried upon the opposite side of said body and providing a friction-imparting surface for preventing cargo carried upon said truck from slipping longitudinally thereof during transportation, a pair of straps carried at either end of said body and defining therewith a pair of tapered stake-receiving sockets, and a plurality of stakes having a tapered end portion for removable insertion within the sockets formed by said straps.

2,569,119
FISHING LURE
Olaf Tallaksen, Chicago, Ill., assignor of one-half to Joseph B. Lindecker, Skokie, Ill.
Application February 4, 1946, Serial No. 645,320
7 Claims. (Cl. 43—42.41)



1. In fish lures having a plurality of movable hooks which may be moved from normal position to open position and returned, comprising a non-buoyant body, means for attaching a line near the forward end of the body, a plurality of movable hooks, said hooks having a common cross member, a mounting for said hooks secured near the forward end of said body, said cross member being pivotally secured by said mounting and elevated from said body, the free ends of said pivoted hooks positioned to extend downwardly over the rear end of said body, a rigid upwardly directed hook positioned and secured between said pivoted hooks, a spring associated with said mounting, said spring having a forward end portion rigidly secured to said body, said spring having a free curved rear end portion assembled to engage with the shank portion of one of said movable hooks, said spring having a flexible central portion between said end portions, said central portion adapted to move beneath said elevated cross member when said movable hooks are moved into open position, whereby said rear end portion of said spring engages a shank portion of one of said movable hooks and resiliently holds said movable hooks in open position as the cross member decreases the upward force of the spring by creating a new pivot point whereby the spring now tends to exert a downward force instead of an upward force, and said spring being adapted by upward pressure on the movable hooks to be released from said position beneath said cross member and again force said movable hooks to the upward and normal position.

2,569,120
PRESSURE TIRE GAUGE
Walter J. Van Heuvel and Marie K. Van Heuvel, Azusa, Calif.
Application November 8, 1948, Serial No. 58,988
2 Claims. (Cl. 73—390)



1. The combination with the regular valve tube of a tire with its valve: of a permanently attached pressure gauge which includes a short body portion having one end connected through the side of said valve tube below its valve, and extended transversely therefrom, said pressure gauge also having a longer body portion parallel with said short body portion, and extended transversely along side of said regular valve tube and supported thereby, a pressure-moved gauge element associated therewith and having graduations thereon, and a control valve in said short body portion, at the juncture thereof with said longer body portion, and extended axially from said short body portion and manually operable to admit air from the tire to said pressure gauge.

2,569,121
ELECTRICAL HEATING UNIT
Walter H. Vogelsberg, Wayne, Pa., assignor to Proctor Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 8, 1949, Serial No. 109,083
4 Claims. (Cl. 219—37)



1. A heating unit adapted to flashing, comprising at least two sheathed or tubular sections of unequal lengths adapted to be connected in parallel or in series across a two-wire supply line, said sections having different cross-sectional areas determined approximately from the equation

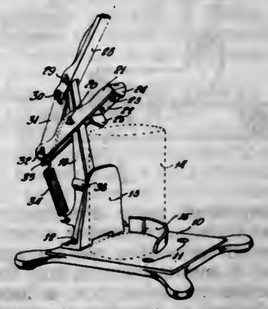
$$\frac{c_2\rho_2 H_2 A_2 P_2}{c_1\rho_1 H_1 A_1 P_1}=\left(\frac{l_1}{l_2}\right)^3$$

wherein the subscripts refer to the respective sections, c represents weighted specific heat, ρ represents weighted density, H represents combined coefficient of heat transfer due to radiation and convection, A represents cross-sectional area, P represents perimeter of such area, and l represents effective section length.

2,569,122
LUBRICANT
David E. Adelson, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 22, 1947, Serial No. 793,329
12 Claims. (Cl. 252—48.4)

1. A lubricant comprising a major amount of a mineral oil and a minor amount, sufficient to impart extreme pressure properties to said mineral oil, of a reaction product obtained by reacting an unsaturated organic compound selected from the group consisting of unsaturated cyclic ketone fractions containing at least 12 carbon atoms and monoolefinic aliphatic hydrocarbons containing at least 8 carbon atoms, with a polychlorinated saturated organic compound selected from the group consisting of polychlorinated hydrocarbons of from 1 to 2 carbon atoms and polychlorinated fatty acids of not more than 6 carbon atoms having at least 2 chlorine atoms which are separated from the carboxyl group of said acids by not more than 2 carbon atoms, in the mole ratio of from 1:1 to 1:4 respectively, in the presence of a peroxide catalyst under reflux conditions, and further treating said reaction product with hydrogen sulfide-ammonium hydrosulfide at above room temperature until saturated.

2,569,123
CAN PERFORATING DEVICE
Jay Earl Anderson, Dallas, Tex.
Application April 25, 1949, Serial No. 89,378
4 Claims. (Cl. 30—6.1)

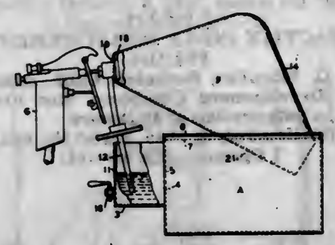


1. A can perforating device including a base, a standard pivoted to the base and capable of limited rocking displacement, a blade carrying arm pivoted at its midsection to said standard, an operating lever pivoted to said standard above the pivot of said arm, a link pivotally connecting the rear ends of said arm and lever, a spring for holding said arm and lever in retracted position and spring means resisting forward movement of said standard when said lever is actuated to dispose said perforating arm in inoperative relation to a can supported on said base.

2,569,124
BLEACHING OILS IN THE PRESENCE OF STEAM
Roger M. Christenson, Whitefish Bay, and Ralph E. Harpt, Wauwatosa, Wis., assignors to Pittsburgh Plate Glass Company
No Drawing. Application December 22, 1950, Serial No. 202,430
12 Claims. (Cl. 260—428)

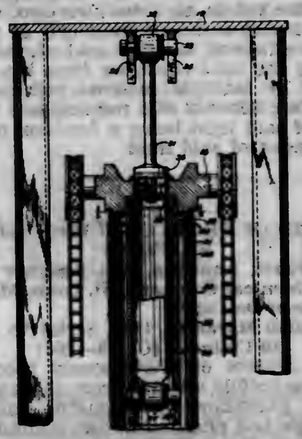
1. A process of treating glyceride oil containing break constituents but in an amount not in excess of .3% which process comprises preheating the oil to a temperature of 215 to 242° F., then blowing it with live steam and in the presence of about .2 to 5% by weight of an adsorbent earth, drying the oil by blowing it with inert gas, and removing the adsorbent earth.

2,569,125
CIRCULATING CLEANING DEVICE FOR SPRAY GUN NOZZLES
Celestino Costantino, Orlando, Fla.
Application September 18, 1948, Serial No. 49,900
2 Claims. (Cl. 134—166)



1. A device of the kind described, comprising: a main tank with an open top receiving a cleaning fluid, an auxiliary tank communicating with the main tank above the lowermost area and below a fluid level therein, a hood having an inclined bottom with a gravity discharge area extending within said open top adapted to receive a spray gun nozzle elevated with respect to said gravity discharge area with its suction tube extended within the auxiliary tank, and a sloping baffle wall next to the gravity discharge area in confronting relation to said gun nozzle when it is engaged in said hood.

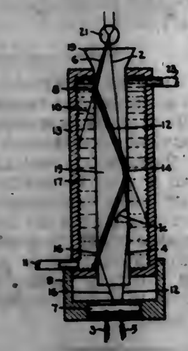
2,569,126
PULLDOWN CYLINDER ASSEMBLY FOR MAST SLIDES
Lee C. Daniels, Cleveland, Ohio, assignor to Towmotor Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1949, Serial No. 122,476
6 Claims. (Cl. 187—9)



6. In a lift truck embodying a mast, a slide frame thereon and a hydraulic ram plunger arranged for abutting engagement with the slide frame, mechanism for retracting the slide frame

comprising a hydraulic cylinder, a cap on the bottom thereof pivotally connected to said plunger, a cap on the top of said cylinder, a piston in said cylinder engageable with the cap on the top of the cylinder, a piston rod on said piston protruding through the cap on the top of the cylinder, said piston rod being pivotally connected to said slide frame, said cylinder being mounted so that the piston will be disposed adjacent the cap on the bottom of the cylinder when the ram plunger is in its lowered position and will engage the cap on the top of the cylinder during the descent of the ram plunger.

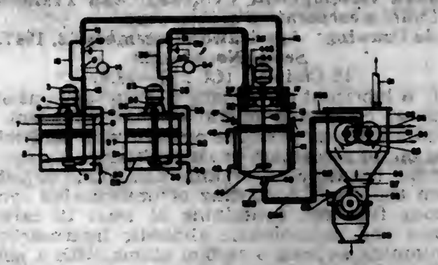
2,569,127
REFRACTIVE INDEX MEASUREMENT OF FLUIDS
George C. Eltenton, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 6, 1946, Serial No. 681,754
7 Claims. (Cl. 88—14)



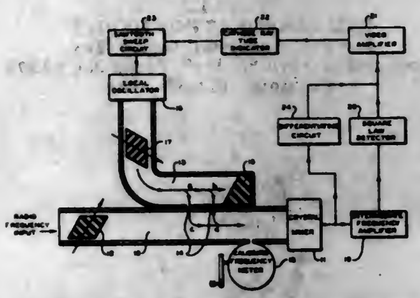
1. An apparatus for measuring the refractive index of a fluid, comprising a closed compartment adapted to be filled with said fluid, an elongated cylindrical rod of transparent material extending through the compartment and sealed at the regions of entrance to and exit from the compartment, means comprising a source of light arranged exteriorly of the compartment adjacent one end of the rod for passing light beams through the rod in an axial direction, and light sensitive means arranged exteriorly of the compartment adjacent to other end of the rod for measuring the light emerging from the rod substantially by multiple internal reflection from the interface between said rod and said fluid, the amount of said light being a function of the refractive index of said fluid.

2,569,128
METHOD OF PRODUCING PHOSPHORUS SULFIDES
Otha C. Jones, Anniston, Ala., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application March 24, 1948, Serial No. 16,785
10 Claims. (Cl. 23—206)

1. The process of continuously producing a phosphorus sulfide selected from the group consisting of phosphorus pentasulfide, phosphorus heptasulfide and phosphorus sesquisulfide, which comprises continuously introducing phosphorus and sulfur into a molten mass consisting of said phosphorus sulfide and thereby continuously effecting a reaction between said phosphorus and said sulfur, said reactants being introduced continuously into said molten mass in substantially the proportions calculated to yield said phosphorus sulfide and at a rate maintaining said mass in a molten condition but below that temperature at which substantial decomposition of said phosphorus sulfide occurs.



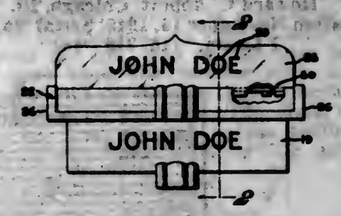
2,569,129
SPECTRUM ANALYZER
George N. Kamm, Detroit, Mich., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application May 1, 1946, Serial No. 666,251
6 Claims. (Cl. 250—39)



1. An improved radio frequency circuit for spectrum analyzers comprising, a section of waveguide adapted to receive radio frequency power at one end, a mixer terminating the other end of said section of waveguide, a local oscillator, means including a directional coupler for coupling said local oscillator to said section of waveguide, and means for absorbing a portion of both said radio frequency power and the power from said local oscillator at a certain frequency, said means being calibrated and variable.

2,569,130
ELECTRICAL DISPLAY SIGN
Christos M. Katsotos, Cincinnati, Ohio, assignor to The Ohio Advertising Display Company, a corporation of Ohio
Application August 7, 1947, Serial No. 767,145
4 Claims. (Cl. 40—130)

1. An electrical display which comprises an electrically operated light, a bracket carrying said light, clamping means attached to said bracket and spaced from said light, said clamping means being adapted to be attached to a device to be illuminated by said light, a hood over said light, said hood being constructed to shade said light and to direct illumination downwardly therefrom, a sheet of transparent material mounted above said light and projecting above said hood, said sheet bearing indented indicia adapted to be illuminated by said light, and a display panel mounted between said light and said



device, said display panel being likewise illuminated by said light.

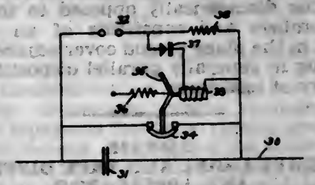
2,569,131
PENTACHLOROSTYRENE AND POLYMERS THEREOF
Mousby Markarian, North Adams, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
No Drawing. Application January 4, 1947, Serial No. 726,269
6 Claims. (Cl. 260—87.5)

1. A readily polymerizable, crystalline, solid, nuclear substituted pentachlorostyrene possessing a melting point between about 105° C. and about 114.5° C.

2,569,132
METHOD FOR PRODUCTION OF TRIKETONES
Donald S. Melstrom and Roy T. Holm, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 22, 1948, Serial No. 34,557
9 Claims. (Cl. 260—590)

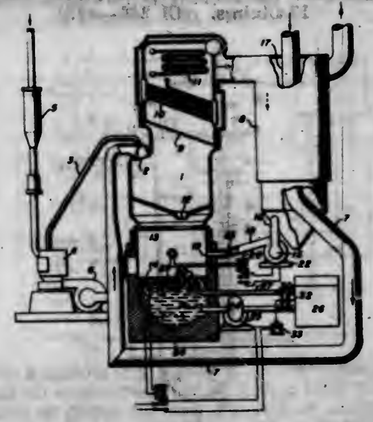
9. In a process for the production of a triketone by reacting a ketene with a beta-diketone wherein the carbon atom between the carbonyl carbon atoms is attached to at least one hydrogen atom, the improvement which comprises conducting said reaction in the presence of an organic peroxide, and at a temperature sufficiently high to effect dissociation of said peroxide.

2,569,133
SERIES CAPACITOR PROTECTIVE SYSTEM
Leon Podolsky, Pittsfield, Mass., assignor to Sprague Electric Company, North Adams, Mass., a corporation of Massachusetts
Application October 15, 1948, Serial No. 54,596
4 Claims. (Cl. 175—294)



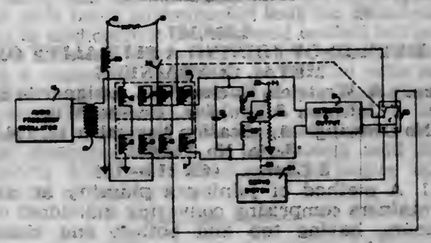
1. In an alternating current transmission line system having a capacitor connected in series in the line, a capacitor protecting combination including a capacitor-shunting control circuit having a spark gap in series with a low impedance element, and a protecting circuit including a rectifier and a tripping device connected in series across the low impedance element to respond to abnormal off-peak transmission line currents having magnitudes sufficient to cause arcing across said gap, said protecting circuit including arc extinguishing means connected to extinguish said arcing in response to operation of said tripping device.

2,569,134
ROOFING MATERIAL
Harold B. Reed, Hammond, Ind., assignor to H. B. Reed and Company, Hammond, Ind., a partnership of Indiana
Application October 8, 1946, Serial No. 702,943
3 Claims. (Cl. 117—32)



1. In a roofing material including a backing, a binder, and granular material carried by said binder, said granular material comprising cubical opaque granules having light reflecting surfaces and formed of slag from wet bottom powdered coal furnaces whereby heat and light deflection will be uniform in all directions.

2,569,135
ZERO ADJUSTMENT OF COMPUTERS
John W. Trischka, New York, and Henri S. Sack, Ithaca, N. Y., assignors to the United States of America as represented by the Secretary of the Navy
Application July 10, 1946, Serial No. 682,614
9 Claims. (Cl. 235—61)



1. In a computer using a magnetic amplifier having two non-linear transformers each having a direct current magnetizing winding, and a pick up winding, and a detector and output circuit, a zero adjustment device comprising, a servo system, switching means connected in said output circuit and arranged simultaneously to open said magnetizing winding and to connect said output

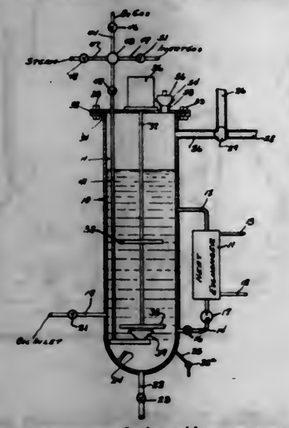
circuit to said servo system, and an adjustable voltage source connected to the terminals of said pick-up windings, said servo system being responsive to the output of said output circuit for adjusting said voltage source to reduce the output of said output circuit to zero.

2,569,136

METHOD OF IMPROVING COLOR AND DRYING CHARACTERISTICS AND SIMILAR PROPERTIES OF DRYING GLYCERIDE OILS

Henry A. Vogel, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application April 28, 1950, Serial No. 158,788
17 Claims. (Cl. 260—423)



1. In a process of treating an unsaturated glyceride oil of a class consisting of drying and semi-drying oils, said oils containing objectionable amounts of coloring matter and tocopherol, the steps of adding an adsorbent agent for coloring matter to the oil, effecting adsorption of coloring matter by the adsorbent agent to effect substantial improvement in the color of the oil, thereafter vigorously subjecting the oil containing the adsorbent agent and .0001 to .002% by weight of active drier metal, to contact with a gas containing free oxygen, selectively to remove tocopherol from the oil, discontinuing the treatment of the oil with the gas before the iodine value of the oil is materially reduced and removing the adsorbent agent.

2,569,137

METHOD OF JOINING A PLURALITY OF METAL CONTAINERS

Henry A. Westrich, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.

No Drawing. Application November 12, 1949, Serial No. 126,921
8 Claims. (Cl. 219—10)

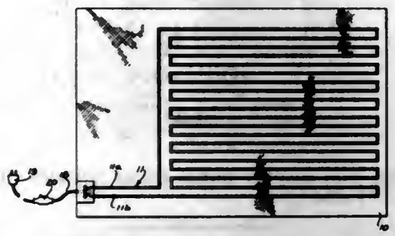
1. A method of joining a plurality of metal containers comprising conveying individual containers, having top and bottom end closures secured by a metal rim, to a welding zone, orienting a plurality of said metal containers in close proximity to each other in said welding zone, and joining said plurality of said containers by surface fusion of the faying surfaces of the abutting metal rims, said containers being so welded that upon subsequent disjoinder substantially smooth and non-disfigured faying surfaces result.

2,569,138

ELECTRICALLY HEATED MATTRESS PAD

Howard C. Abbott, Chicago, Ill.

Application November 14, 1949, Serial No. 127,032
1 Claim. (Cl. 219—46)



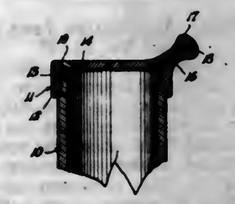
An electrically heated mattress pad comprising a pad body formed of cushioning material and adapted to overlie a mattress, an electrical heating element arranged over said pad body to cover substantially not more than three-fourths of the area thereof, said element being confined in a pocket formed by stitching a fabric tape to said pad body, said element comprising an electrical resistance alloy wire wound helically around a plastic core with both wire and core being encased in a water tight sleeve of thermoplastic coating compound, said wire having a resistance of 3 ohms per foot and developing a maximum temperature of 75° C.

2,569,139

WEANING CAP FOR NURSING BOTTLES

Herman Abelson, Baltimore, Md.

Application July 7, 1948, Serial No. 37,479
1 Claim. (Cl. 128—252)



In a weaning cap for nursing bottles or the like, a cover member, an annular skirt depending from said cover member, means on said skirt to removably retain said cover member on said bottle, and a pair of drinking members forming a part of said cover member, the first of said members having a portion shaped to extend into the mouth of an infant and being provided with an oval outlet portion terminating in a relatively bulbous lip portion with an elongated opening of oval shape therethrough, the second of said members being diametrically opposed to the first of said members and consisting of an elongated opening in the plane of said cover adjacent to and extending in generally parallel disposition to the periphery of said cover.

2,569,140

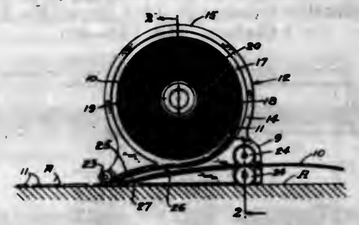
ADHESIVE LABEL AND TAPE DISPENSER AND APPLICATOR

Ray S. Avery, South Pasadena, Calif., assignor to Adhesive Development Co., Los Angeles, Calif., a copartnership

Application April 4, 1946, Serial No. 659,523
2 Claims. (Cl. 216—50)

1. A device of the character described comprising a casing for rotatably supporting a roll of

label material composed of an adhesively coated layer and a continuous backing strip separably adhered together, a peeling edge relatively fixed to the casing and disposed at a point to receive the end of the material led substantially tangentially from the roll, said peeling edge being so formed that when the backing strip is folded thereover it will be running in a direction substantially opposite the direction in which the material is led from the roll to the peeling edge whereby to effectively separate the adhesively



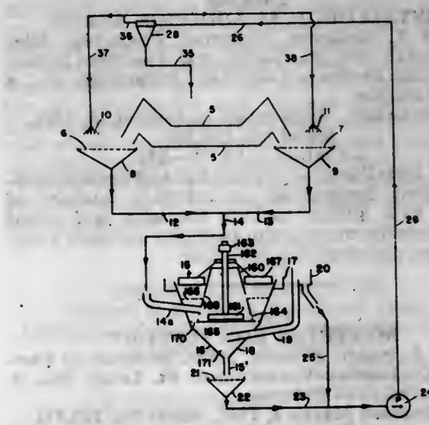
coated layer from the backing strip at the peeling edge, feeding means to engage the backing strip as it is led from the peeling edge, means mounting said feeding means for engagement with a surface and movement with the casing over said surface in a direction substantially opposite to that in which the material is led from the roll to the peeling edge, and applying means arranged adjacent the peeling means to engage the layer peeled from the backing strip and apply the same to a surface.

2,569,141

METHOD AND APPARATUS FOR TREATING SEPARATING SUSPENSIONS

Pieter S. Bakels, Geleen, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, acting for and on behalf of the State of the Netherlands, Heerlen, Netherlands

Application December 10, 1946, Serial No. 715,227
4 Claims. (Cl. 209—12)



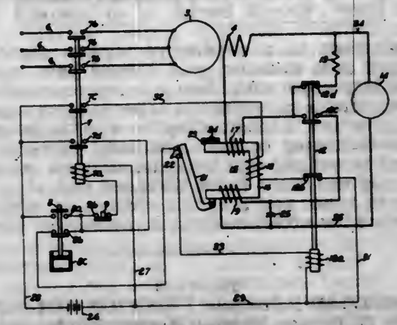
1. In combination, a washing box using a separating suspension, screens arranged to receive the separated fractions, rinsing spray heads above the screens, tanks below the screens to receive sprayed liquid and suspension, a hydraulic classifier in receiving relation to said tanks and operating to separate the received suspension into fractions of relatively high concentration and relatively low concentration of which the former contains all the particles larger than a predetermined size and a portion of particles smaller than said size, a screen arranged to receive the fraction of high concentration and having a mesh of said predetermined size, a receptacle arranged to receive the through-put of the last-named screen, a thickener, means for feeding to the thickener the suspension received in said receptacle together with said fraction of low concentration, and means for directing the heavy fraction from the thickener to said washing box.

2,569,142

SYNCHRONOUS MOTOR CONTROL SYSTEM WITH SINGLE RELAY FOR FIELD APPLICATION AND REMOVAL

Thaddeus F. Bellinger, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

Application June 8, 1950, Serial No. 166,936
4 Claims. (Cl. 318—170)



1. In a system comprising a synchronous motor having an armature winding and a field winding, a source of direct current, a source of alternating current, and means for connecting said armature winding to said source of alternating current, the combination of switching means for connecting said field winding to said direct current source, a relay for controlling operation of said switching means, said relay comprising a current coil, a biasing coil, a control coil and a core having a single magnetic path, means for energizing said biasing coil with a constant direct current prior to connection of said field winding to said direct current source, means for energizing said current coil in dependence upon the current flowing in said field winding, whereby said relay operates in response to predetermined variations in the current in said field winding to cause said switching means to connect said field winding in circuit with said direct current source through said control coil in series with said current coil and to cause said biasing coil to become deenergized, said coils being so connected that the direct current in said current coil and said control coil produces opposing magnetomotive forces in said core, and a capacitor connected in parallel with said control coil for diverting from said control coil currents induced in said field winding by said armature winding, whereby said relay causes said switching means to disconnect said field winding from said direct current source upon pull-out of said motor.

2,569,143

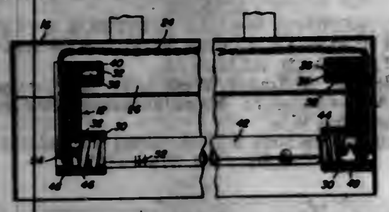
FLUORESCENT LAMP TUBE AND MOUNTING MEANS THEREFOR

Ernest O. Bennett, Bluefield, W. Va.

Application May 27, 1948, Serial No. 29,518
1 Claim. (Cl. 240—51.11)

A lamp holder comprising a first C-shaped base member having upper and lower legs intercon-

nected by a web, a longitudinal slot in the upper leg of sufficient length to permit the member to be moved a sufficient distance to admit a fluorescent tube, a headed screw extending through said slot and adapted to be secured to a supporting structure, a longitudinal bore in the lower leg, a sleeve having coarse left-hand threads gripping the wall of said bore and adapted to receive the left-hand threaded end of a fluorescent tube, a spring contact in said bore adapted for



attachment to a conductive wire, a second C-shaped base member, said second base member including upper and lower legs interconnected by a web, means to secure the upper leg to a supporting structure, a longitudinal bore in the lower leg, a sleeve having coarse right-hand threads gripping the walls of said bore and adapted to receive the opposed right-hand threaded end of a fluorescent tube, and a spring contact in said bore adapted for attachment to a conductive wire.

2,569,144

OVERLOAD RELEASE FRICTION COUPLING

Merle K. Benson, Benton Harbor, Mich., assignor to T-M-K Corporation, Davenport, Iowa, a corporation of Iowa

Application November 21, 1946, Serial No. 711,300
6 Claims. (Cl. 64—30)



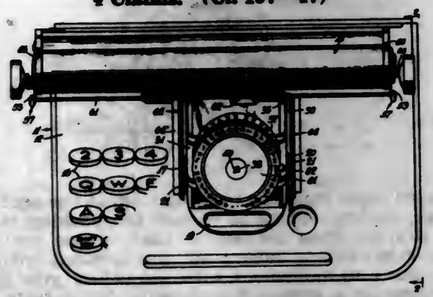
1. In a propeller the combination of a shaft threaded at its rear end and having a rearwardly facing shoulder and a transverse driving pin adjacent the shoulder, a conical rearwardly tapering driving clutch member sleeved on said shaft to abut said shoulder and having a transverse slot receiving said driving pin, the rear end of said driving clutch member being externally threaded, a retaining nut for said driving clutch member threaded on said shaft, a propeller provided with a conical bushing constituting a driven friction clutch member coacting with said driving clutch member with the driving clutch member projecting rearwardly from the driven clutch member, a coiled spring embracing the rearwardly projecting end of said driving clutch member and in thrust engagement with said driven clutch member, and a chambered support and adjusting member for said spring and constituting a housing therefor threaded on the rear end of said driving clutch member to adjustably support the spring in thrust engagement with said driven clutch member.

2,569,145

TOY TYPEWRITER

Samuel I. Berger, Newark, N. J.

Application October 30, 1948, Serial No. 57,457
4 Claims. (Cl. 197—47)



1. In a typewriting mechanism, the combination of a base, a platen carriage mounted on said base, type heads associated with said platen carriage and movable thereagainst, a pair of substantially vertical sockets affixed respectively at each end of said platen carriage and extending outwardly therefrom, an inked ribbon, and a cotter pin frictionally held in each of said sockets and protruding above the upper end thereof, the ends of said ribbon being positioned respectively by the legs of each of said cotter pins protruding above said sockets whereby said ribbon will extend longitudinally of said platen carriage.

2,569,146

METALLURGICAL ADDITION AGENT

Wilbur T. Bolkcom, Hampton Township, Allegheny County, Pa., assignor to American Metallurgical Products Company, Pittsburgh, Pa., a partnership

No Drawing. Application November 30, 1949, Serial No. 130,350
2 Claims. (Cl. 75—58)

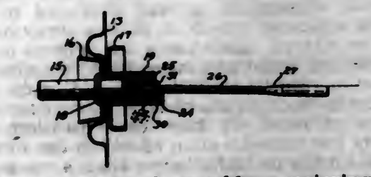
1. A metallurgical deoxidizing and desulphurizing agent comprising an intimate mixture of about 85% silicon carbide particles and about 15% metallic magnesium particles enclosed within a heat disintegrable container.

2,569,147

METERING ROD SUPPORT

Henry A. Boller, Pontiac, Mich., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application March 4, 1947, Serial No. 732,331
1 Claim. (Cl. 287—119)



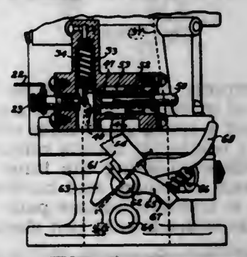
In a metering rod assembly, a metering rod for use in controlling fluid passing through an orifice, a supporting and actuating structure for said metering rod, said supporting and actuating structure including a member having one end formed with an axial socket, one end of said metering rod being pivotally seated in the end of the socket, said socket being of greater diameter than said rod to permit pivotal movement of the rod, a projecting lip extending from the end of said member adjacent said socket, said lip being formed with a transverse groove in its outer face, a spring loop structure including a spring arm seating in said transverse groove in said lip, and an additional spring arm engaging one side of said rod, said metering rod including an outwardly facing shoulder normally abutting the adjacent face of said additional spring arm, whereby said metering rod is retained against longitudinal displacement and normally urged against one side of said socket.

2,569,148

TRANSMISSION CONTROL SWITCH

Leonard D. Boyce, Maplewood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application June 21, 1945, Serial No. 600,722
1 Claim. (Cl. 200—59)



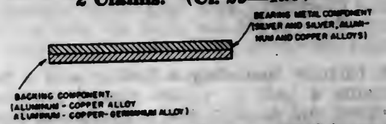
In combination with an internal combustion engine intake conduit, a control switch including a body having a pair of chambers, one of said chambers having a pressure connection to said conduit, a pressure responsive device in said chamber operatively associated with said switch for effecting the operation thereof, a switch actuating plunger extending into the other chamber, an element on said plunger closely fitting said chamber for trapping a body of fluid therein, said second chamber and said element forming a dashpot contributing to coordinated action of said pressure responsive device and said plunger, and yielding means to move said plunger for operating said switch.

2,569,149

BIMETALLIC STRUCTURE

Joseph B. Brennan, Cleveland, Ohio

Application October 19, 1945, Serial No. 623,429
2 Claims. (Cl. 29—197)



1. A bi-metallic structure comprising a first component of silver with minor amounts of nickel, copper, tin, and cadmium alloyed therewith, and a second component of the following composition:

Aluminum from about 88% to about 98%
Copper from about 2% to about 12%

together with such other alloying elements and impurities as are sometimes found in alloys of this character.

2,569,150

CASTING METHOD AND APPARATUS

Joseph B. Brennan, Bratenahl, Ohio

Application May 7, 1948, Serial No. 25,756
2 Claims. (Cl. 22—57.2)



2. In a casting apparatus, a die formed with two passages merging together as a single passage, molten metal being adapted to be forced through one of such passages and solid metal stock being adapted to pass through the other of such passages, and temperature modifying means surrounding such passages for retaining molten the metal adapted to be forced through such one passage and for heating to plastic condition only that face of the solid metal stock adapted to pass through such other passage to which it is desired to bond the molten metal while the remaining portion of the solid metal stock is retained in non-plastic solid state whereby the molten metal is welded to the plastic surface of the solid metal stock as the metals pass through such single passage, said means including a coolant passage formed in said die and through which coolant is adapted to be circulated to solidify at least the surface of the molten metal component opposite to the surface welded to the plastic surface of the solid metal stock prior to emergence thereof and of the solid metal stock from such single passage, such coolant passage extending along the walls of the single passage and such other passage corresponding to the surface of such remaining portion of the solid metal stock whereby to retain such remaining portion of the solid metal stock in non-plastic solid state during its passage through such other passage and such single passage.

2,569,151

LUBRICATING RUBBER DURING VULCANIZATION

Irven E. Coffey, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 30, 1947, Serial No. 783,217
3 Claims. (Cl. 18—47)

2. In the manufacture of natural and synthetic rubber articles, the step which consists in applying to the tacky surface of the uncured rubber as a lubricant powdered cetyl acetamide wax having a melting point slightly below the curing temperature of the rubber.

2,569,152

GARMENT HANGER COLLAR SUPPORT

Corinne R. Collins, Los Angeles, Calif.

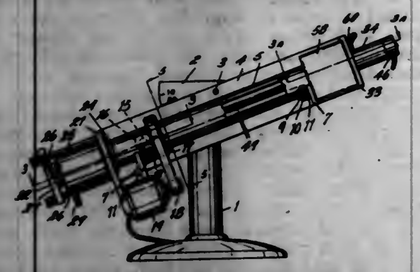
Application May 16, 1949, Serial No. 93,473
3 Claims. (Cl. 223—92)



1. A garment hanger collar support including a blank of flexible material in the form of an

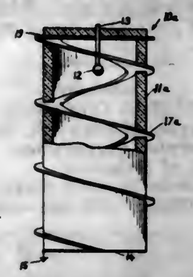
isosceles trapezoid having two non-parallel sides and top and bottom bases of different lengths, wings forming extensions of the sides of said blank, said wings provided with inwardly directed lateral tabs, and said blank formed with spaced pairs of slits positioned adjacent the base of lesser length, through which slits said wings may be passed.

2,569,153
APPARATUS FOR STERILIZING PLASMA, VACCINE, AND OTHER FLUIDS
John J. Dill, Delton, Mich.
Application October 19, 1949, Serial No. 122,349
10 Claims. (Cl. 250—49)



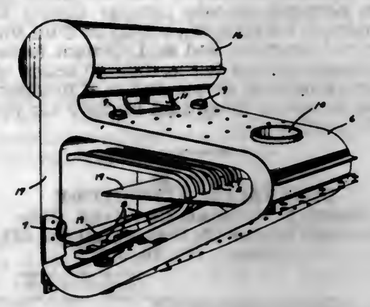
1. A fluid sterilizing device comprising, a support, a base plate pivotally secured to said support and angularly adjustable in a vertical plane, said base plate having laterally and longitudinally spaced rollers mounted thereon for rotation about axes parallel to said plate, a sterilizing cylinder rotatably and freely supported on said rollers in an adjustable inclined position and having a thrust collar projecting from its outer surface, a thrust roller mounted on said base plate and arranged to roll along said thrust collar about an axis generally perpendicular to said cylinder, a seal plate projecting from said base plate and forming a hole embracing the lower end of said cylinder, a flange on said cylinder cooperative with said seal plate to form a centrifugal seal, said thrust roller being adjustably mounted on said base plate for longitudinally positioning said cylinder and said flange relative to said seal plate, a cup-like receiver removably clamped and sealed to the lower side of said seal plate and embracing the lower end of said cylinder, a fluid outlet formed in the lower portion of said receiver, a tubular shield positioned within said receiver and removably secured thereto, said shield forming a passage opening through the bottom of said receiver, a lower terminal support positioned within but not closing said shield, lower electrical terminal elements positioned in said lower terminal support, an upper end plate on said base plate, an upper terminal support carried by said end plate and having a plurality of upper electrical terminal elements mounted therein and aligned with said lower terminal elements, an electrically conducting tie rod mechanically connecting said terminal supports and extending axially through said cylinder, said tie rod being electrically connected to said lower terminal elements, a plurality of sterilizing ray emitting tubes extending alongside of said rod through said cylinder and having terminals on their ends electrically connected to said terminal elements, means connected to energize said upper terminal elements, a common electrical return cable connected to said tie rod at the upper end thereof, a hollow needle adjustably mounted on said end plate to deliver fluid to the inner surface of said cylinder, said shield in said receiver extending inwardly into the bottom of said cylinder and substantially beyond said lower terminal support whereby a substantial portion of the effective length of said ray tubes is positioned within said shield and whereby air passing through said shield is subjected to sterilizing rays before entering said cylinder and said receiver, and a motor for rotating said cylinder.

2,569,154
ELECTRONIC DISCHARGE DEVICE
Erwin Donath, New York, N. Y.
Application July 24, 1948, Serial No. 40,492
9 Claims. (Cl. 313—325)



1. An electronic discharge device comprising an envelope of insulated material, a pair of electrodes forming a spark gap within said envelope, and auxiliary conductor means substantially coextensively disposed along the inner and outer surfaces of said envelope, said conductor means representing a highly inductive path which galvanically interconnects said two electrodes.

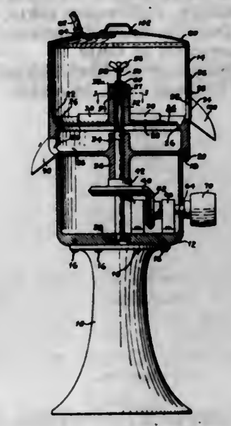
2,569,155
INCLINED U WATER TUBE BOILER
Alfred A. Drago and George H. Brace, New London, Conn.
Application December 4, 1947, Serial No. 789,640
3 Claims. (Cl. 122—279)



3. A furnace including a firebox and a boiler comprising a pair of plates spaced parallel to each other and formed into a triangular framework, the short wall of the triangle being disposed vertically and forming an exterior wall of said furnace, a pair of end plates shaped to fit the ends of said framework thereby forming a flattened tube for water space, a steam header adjacent and connected to said flattened tube at the top of said short leg, a first plurality of flues, connecting the outside of said triangle with the inside thereof, disposed at substantially the bottom of said triangle near said

vertical leg, a first, relatively larger, flue thru the top wall of said triangle remote from said vertical leg, a second plurality of flues passing thru said top wall near said vertical leg and smaller in total cross-sectional area than said first flue so that a greater amount of hot gases escape thru said first flue than thru said second flues, and a second relatively larger flue passing thru the junction of said vertical leg and said header.

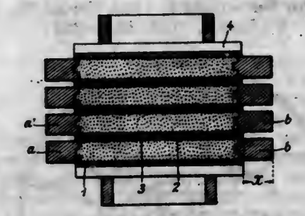
2,569,156
MACERATOR FOR HULLING PITS OR SEEDS
Henry N. Dybvig, near Colton, S. Dak.
Application March 11, 1949, Serial No. 80,868
5 Claims. (Cl. 146—76)



1. A macerator for use in hulling seeds or pits embedded in pulp, said macerator including a hopper, said hopper being provided with an inwardly directed smooth ring-like portion in spaced relation from the bottom thereof, said ring-like portion having a frustrum-conical inner surface with the maximum width at the top of the ring-like portion, a beater rotatably mounted within said ring-like portion, the bottom of the beater simulating a disc having agitating means projecting upwardly therefrom, said beater having a peripheral portion in spaced relation from the ring-like portion so as to form a slot surrounding the beater, adjustable means for adjusting one of said portions axially with respect to the other of said portions to thereby adjust the width of the slot so that the width of the slot is less than but not much less than the minimum thickness of the seeds or pits to be hulled, and means for rotating the beater so as to agitate the seeds or pits and the pulp surrounding the seeds or pits so as to cause the pulp to become macerated and dislodged from the seeds or pits the hulls passing through the slot, the seeds or pits remaining above the beater.

2,569,157
METHOD OF MOLDING STRUCTURAL SLABS OF CEMENT AND FIBER
Sverre Wilfred Evensen, Fredrikstad, Norway
Application July 8, 1949, Serial No. 103,636
In Norway December 2, 1948
4 Claims. (Cl. 25—155)

1. A method of manufacturing a cement-fibre mass adapted for building construction, which includes the steps of confining the mass within a form to have face surfaces and smaller side surfaces, and subjecting the mass which consists of a liquid mixture of a bonding agent and strips of fibrous material having a cross-section the width of which is substantially greater than

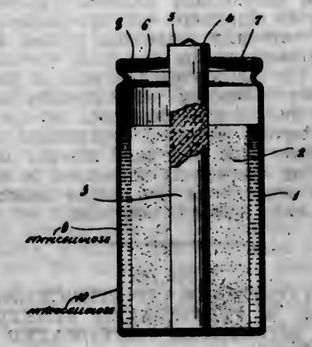


its thickness to a compressive force in a direction parallel to the face surfaces of the mass so as to orient the width dimension of the fibre strips substantially perpendicular to said face surfaces of the mass.

2,569,158
METHOD OF REMOVING SCALE FROM FERROUS ARTICLES
Charles B. Francis, Pittsburgh, Pa., assignor to United States Steel Company, a corporation of New Jersey
No Drawing. Application February 21, 1946, Serial No. 649,380
3 Claims. (Cl. 134—3)

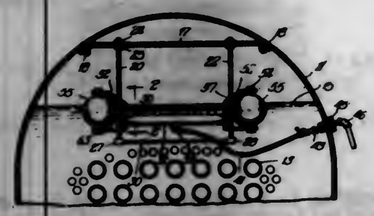
1. In a method of descaling articles of stainless steel, the steps including immersing the articles in a bath of fused sodium hydroxide, pickling the articles in a dilute aqueous solution of sulphuric acid, and then dipping them in a dilute aqueous solution of nitric acid.

2,569,159
GAS PERMEABLE COATING FOR DRY CELL FLASHLIGHT BATTERIES
Benjamin Gelardin, New York, N. Y.
Application January 9, 1947, Serial No. 721,082
2 Claims. (Cl. 136—132)



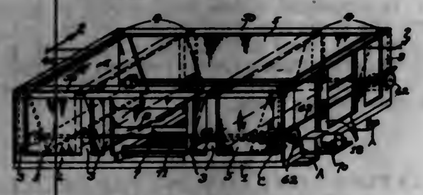
1. In a dry cell, a zinc container electrode and a gas-permeable coating formed of two different plastic materials superimposed upon each other and upon the exterior surface of the sides of the container electrode and comprising a layer of nitrocellulose and a layer of ethyl cellulose adherent to the first-named layer, the composite coating being between 0.001 to 0.010" in thickness, one of said layers being adherent to the container electrode.

2,569,160
BOILER SKIMMER
Arthur Alfred Giesen, Chicago, Ill., assignor to Boiler Specialties Corporation, Chicago, Ill., a corporation of Illinois
Application December 9, 1949, Serial No. 131,977
6 Claims. (Cl. 122—389)



1. In a skimmer for removing entrained solids from boilers and the like, a plurality of spaced pairs of guide members adapted to be secured to a boiler structure, a trough, a conduit leading from the trough, and a plurality of floats, brackets connecting the floats to the trough, said brackets fitting slidably between pairs of guide members.

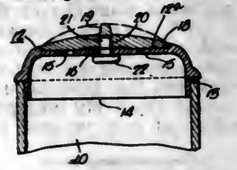
2,569,161
SIDE DELIVERY TRUCK BODY
Charles R. Golay, Cambridge City, Ind.
Application February 18, 1948, Serial No. 9,189
1 Claim. (Cl. 214—83.14)



A hauling vehicle comprising, a wheel supported vehicle frame, a body supported on the frame, a discharge outlet in the side of the body intermediate the body length, a closure for said outlet, a conveyor horizontally disposed transverse the body floor in alignment with the outlet, a substantially vertically extending pusher member traversing each of the two body portions and separated by the conveyor, a pair of elongated jack screws extending longitudinally adjacent each side wall of the body, each of the pusher members having threaded engagement at their vertical edges with the jack screws, and said screws being operatively connected to a power source for progressing the pusher members toward and away from the conveyor.

2,569,162
SIFTING CONTAINER CONSTRUCTION COMPRISING A PERFORATED PLASTIC LID AND A ROTATABLE PERFORATED PLASTIC CAP
Catherine C. B. Gowland, Narberth, Pa.
Application April 12, 1948, Serial No. 20,542
1 Claim. (Cl. 232—43)

A lid assembly for sifting containers comprising a lid member formed of synthetic plastic material, a synthetic plastic cap rotatably mounted on said lid, the cap and the lid having concentric apertures positioned to register with each other in selective positions of the cap, walls defining a socket on the underside of the cap, a headed pin extending through the lid and cemented in the socket, and walls on the underside of the cap defining an enlarged recess contiguous to the



socket for retaining excess cement, thereby preventing the cap from becoming cemented to the lid.

2,569,163
METHOD OF MAKING A CERAMIC BODY
Charles K. Gravley, Lakewood, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1948, Serial No. 67,695
10 Claims. (Cl. 25—156)

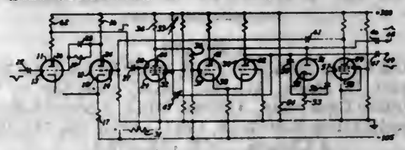


1. The method of making a ceramic body containing electromechanically responsive material comprising: forming a first layer of a ceramic raw material; forming on said first layer a second layer of a ceramic raw material of a composition different from that of said first-mentioned ceramic material but substantially free of fluxing and chemical action therewith, the material of one of said first and second layers being susceptible, after firing, to conditioning by the application of a unidirectional electric potential to provide an electromechanical response property, and the material of the other of said layers, upon firing and said application of said potential, being effective to provide a different-valued electromechanical response property; and heating the body thus formed to ceramic-firing temperatures to produce a unitary coherent body of polycrystalline ceramic material having two thickness portions, corresponding to said first and second layers, of materials having upon said conditioning said different-valued electromechanical response properties in said two portions.

2,569,164
VARIABLE SWEEP CIRCUIT
Ivan A. Greenwood, Jr., Pleasantville, and Julian D. Hirsch, New Rochelle, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application September 23, 1949, Serial No. 117,482
9 Claims. (Cl. 250—27)

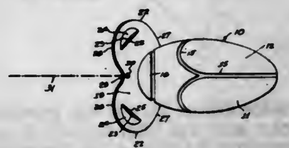
1. A sweep circuit comprising a gate generator, a sweep generator, circuit means including

a degenerative feedback loop for controlling the sweep speed of said sweep generator and a control unit connected to the output of said sweep



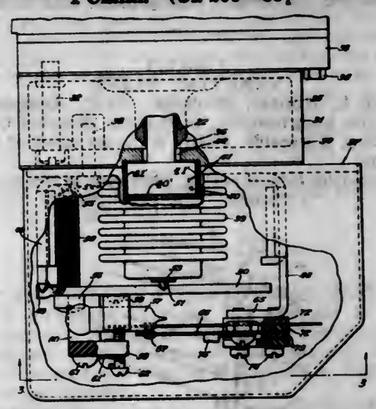
generator, said control unit including an amplitude comparison circuit for terminating gating pulses from said gate generator.

2,569,165
WOBBLE PLATE FOR FISH LURES
Ralph J. Hall, Howell, Mich., assignor to Millsite Tackle Company, Howell, Mich., a corporation of Michigan
Application March 30, 1946, Serial No. 658,455
3 Claims. (Cl. 43—42.47)



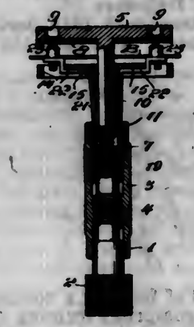
1. A wobble plate adapted to be secured to an artificial fish bait comprising a plate having spaced louvers with projecting lips inclined relatively to the vertical center line of said plate and disposed near the opposite lateral edges thereof.

2,569,166
PRESSURE RESPONSIVE SPEED INDICATOR AND GOVERNOR
William H. Harstick, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 28, 1948, Serial No. 4,755
1 Claim. (Cl. 200—83)



A speed governing device for controlling the speed of an electric motor having a rotatable shaft positioned for rotation about a vertical axis, the shaft having an extension projecting downwardly from the motor comprising, a first housing adapted to be connected to the underneath side of the electric motor, said first housing providing a liquid reservoir substantially separate of the motor to which it may be attached and substantially enclosed with respect to the atmosphere, said first housing having upper and lower substantially centrally disposed openings in registry, the shaft extension projecting through said openings, the lower of said openings being of a substantially larger diameter than the diameter of said shaft to permit the free flow of liquid through said lower opening from the reservoir, an impeller adapted to be connected to the lower end of the shaft extension below the first housing, a second housing connected to the first housing, said second housing including a chamber having side walls and a lower wall positioned in close adjacent relation to said impeller, said second housing having a plurality of openings, a pressure responsive device positioned below the first housing, said device including an expansible and contractible bellows element disposed over the second chamber, said bellows element being in communication with said chamber and with said liquid reservoir, said bellows being movable in response to liquid pressures developed in said chamber by the rotation of said impeller, and switch means for controlling the flow of electrical current to the electric motor, the switch means including electrical contacts adapted to be opened and closed in response to the movement of said bellows element.

2,569,167
SAFETY RAZOR
Jay T. Hellmann, Chicago, Ill.
Application August 26, 1948, Serial No. 46,290
3 Claims. (Cl. 30—73)

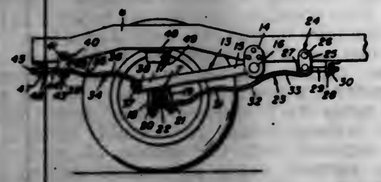


1. In a safety razor as described, the combination with a clamping head provided with holes, and a post polygonal in cross section, a guard plate having a tubular stem rigid with the post and longitudinally extending exterior grooves in said stem, said guard plate having spaced slots, and exterior grooves in its under face, of a blade provided with holes, and a blade holder, said holder having a resilient clamp sleeve surrounding the tubular stem, a pair of angular and resilient arms rigid with the clamp sleeve and engaged in the grooves of the tubular stem and guard plate, angular heads on said arms projecting into the slots of the guard plate, retaining studs on said angular heads projecting through holes in the blade and clamping head, a handle bar threaded on the post, and a handle sleeve threaded on the bar for clamping the resilient sleeve.

2,569,168
SPRING SUSPENSION FOR VEHICLES
Rudolph H. Hellwig, Sun Valley, Calif., assignor of twenty per cent to Cameron B. Aikens, Los Angeles, Calif.
Application August 19, 1949, Serial No. 111,309
5 Claims. (Cl. 267—15)

1. In a wheel and axle suspension of the class shown and described, in combination, a horizon-

tally disposed frame member, a wheel-supported axle underlying and being at right angles to said frame member, a rigid torque lever interposed between said frame member and said axle and hinged at one end to a bracket fixed on said member and swingable toward and from said member, means fixedly securing the other end of said lever



to said axle, a cushioned bumper interposed between said frame member and lever and fixed on said frame member in the path of swing of said lever, and a pair of individual primary and secondary single leaf springs connected at adjacent corresponding ends to said axle and at opposite remote ends to said frame member.

2,569,169

PRODUCTION OF HOT-BONDED FIBER FELTS

Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Application September 10, 1942, Serial No. 457,830

2 Claims. (Cl. 154—101)



1. The method of forming a bonded felted fiber structure which comprises forming a substantially uniform mixture in suspension in air which mixture comprises substantially individualized fiber, finely divided solid heat-activatable water-insoluble adhesive material and a finely divided mist of aqueous material in quantity to moisten the fiber, the said adhesive material being such as to require a temperature above 100° C. to activate it to adhesiveness, and the aqueous liquid containing a binder capable of drying at a temperature under the above mentioned required temperature for binding the said particles of adhesive to the fibers, depositing said mixture from suspension in air upon a receiving base in the form of a loosely felted fiber mat, the components of said mixture in the production of the mixture and in the course of being deposited as a mat so combining as to form moist fibers with adhering particles of said adhesive, compressing the moist mat to a desired fiber-density greater than the fiber-density of said originally felted mat while producing a sheet-like form of uniform caliper, drying the resulting sheet-like form at a temperature below the activating temperature for the adhesive particles whereby the said binder secures the particles to the fiber, then moistening the said sheet-like form, subjecting the moist sheet-like form to heat while activating the particles of adhesive and while uniting fibers having moist portions which portions are in contact with the adhesive particles, setting the adhesive while there is moisture in the fiber portions in contact with the adhesive, and finally drying the entire fiber content including the said fiber portions.

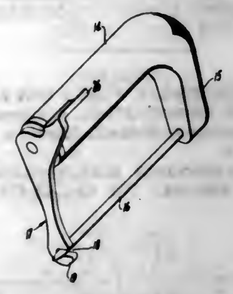
2,569,170

SORTING DEVICE FOR PUNCHED CARDS

Hunter E. Hooe, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation

Application March 18, 1947, Serial No. 735,282

2 Claims. (Cl. 129—16.1)



1. A portable device for sorting punched record cards, checks and the like, including a longitudinally extending handle, a leg depending from said handle, a supporting rod secured at one end to said leg and projecting from said leg under and substantially parallel to said handle, a leg pivotally mounted on the opposite end of said handle for transverse pivotal movement in a plane normal to the axis of said handle and rod to and from supporting engagement with the other end of said rod, said pivoted leg having a notch at its lower end for receiving said rod, a member mounted on said pivoted leg adjacent said handle for operation by the thumb of a hand grasping said handle to swing said pivoted leg transversely from supporting engagement with said rod, and spring means for urging said pivoted leg toward supporting engagement with said rod.

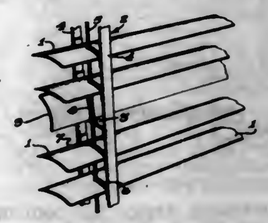
2,569,171

VENETIAN BLIND

Joseph L. Hunter, Riverside, Calif., assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif., a corporation of Delaware

Application December 26, 1944, Serial No. 569,845

2 Claims. (Cl. 160—173)



1. In a Venetian blind structure, the combination with a plurality of slats having longitudinally spaced laterally extending slots therein opening to one edge thereof, tilting ladder supporting units for said slats laterally spaced to correspond to the spacing of the slots of the slats and comprising pairs of flexible suspending tapes, slat supporting cross straps extending between and secured at their ends to the tapes and having centrally positioned lift cord receiving openings therein, and lift cords arranged through the openings of the cross straps, the slats being removably supported by the straps with lift cords within the slots of the slats and preventing longitudinal movement of the slats when so engaged, end portions of the cross straps constituting closures for the slots of the slats preventing disengagement of the slats from the cords throughout the operating tilting movement of the supporting units while permitting individual manual manipulation of the slats to disengage them from or engage them with the cords and cross straps for assembly and disassembly with the ladder units.

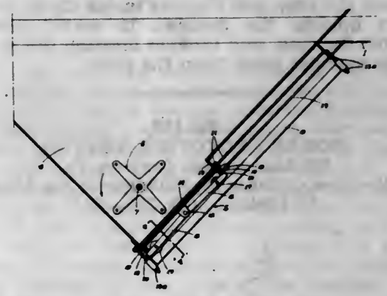
2,569,172

AIRPLANE MOUNTED DUST DISTRIBUTOR

Charley T. Jensen, Sacramento, Calif.

Application April 15, 1946, Serial No. 662,113

3 Claims. (Cl. 244—136)



1. In an airplane having a dust container, a discharge hopper below and in communication with the container, said hopper including a flat rear wall sloping upwardly from its forward end and having an outlet opening extending rearwardly from the lower forward end thereof, a flat slide gate parallel to and below the plane of the opening and movable lengthwise thereof to open and close the opening, means connected to the gate to slide the same and control its position relative to the outlet opening and gate supporting means which includes transversely spaced rails suspended from and substantially parallel to the rear wall and below the gate, roller frames extending lengthwise of and mounted on and under the gate above the rails, and rollers mounted in said frames adjacent their ends and riding the corresponding rails.

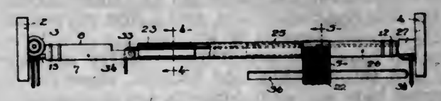
2,569,173

TOP STRUCTURE FOR VENETIAN BLINDS

Bela B. Junkunc, Chicago, Ill., assignor to Bela B. Junkunc, Alexander Junkunc, Sr., Alexander Junkunc, Jr., and Joseph G. Junkunc, doing business as J & J Tool & Machine Co., Chicago, Ill., a partnership

Application November 21, 1947, Serial No. 787,271

3 Claims. (Cl. 160—173)



1. In a Venetian blind, a sectional tilt rail comprising two end sections each having a hollow extension, a pulley rotatably mounted in each of said end sections, a tubular intermediate section telescoped over said hollow extensions and joining said end sections, and a blind raising cord passing over said pulleys and through said tubular intermediate section.

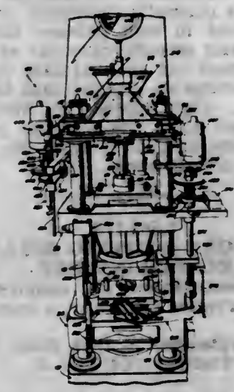
2,569,174

THERMOPLASTIC INJECTION MOLDING APPARATUS

Leon Kardorff, Jackson Heights, N. Y., assignor to Automatic Injection Machines Corp., New York, N. Y., a corporation

Application December 7, 1948, Serial No. 63,975

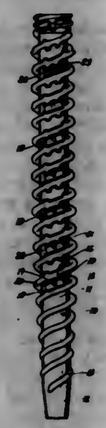
18 Claims. (Cl. 18—30)



15. In thermo-plastic injection-molding apparatus having a separable mold, and a cylinder with a double-acting piston therein adapted to open and close the mold on admission of fluid under pressure into the mold-opening and mold-closing ends, respectively, of said cylinder, the combination of a pressure pump, a first valve having first, second and third chambers, and a first valve element normally urged into a first position in which to provide and intercept communication between said first and second chambers and between said second and third chambers, respectively, and shiftable, by fluid under pressure admitted into one end of said valve, into a second position in which to intercept and provide communication between said first and second chambers and between said second and third chambers, respectively, a second valve having fourth, fifth and sixth chambers, and a second valve element normally urged into a first position in which to intercept and provide communication between said fourth and fifth chambers and between said fifth and sixth chambers, respectively, and shiftable, by fluid under pressure admitted into one end of said second valve, into a second position in which to provide and intercept communication between said fourth and fifth chambers and between said fifth and sixth chambers, respectively, a first conduit between said pump and first and fourth chambers of said first and second valves, respectively, a second conduit between said second chamber of said first valve and said mold-closing end of said cylinder, a third conduit between said fifth chamber of said second valve and said mold-opening end of said cylinder, a third valve having seventh, eighth and ninth chambers, and a third valve element normally urged into a first position in which to provide and intercept communication between said seventh and eighth chambers and between said eighth and ninth chambers, respectively, means for shifting said third valve element into a second position in which to intercept and provide communication between said seventh and eighth

chambers and between said eighth and ninth chambers, respectively, a fourth conduit between said eighth chamber of said third valve and said one ends of said first and second valves, respectively, an exhaust conduit communicating with said third, sixth and ninth chambers of said first, second and third valves, respectively, a first passage between said first conduit and exhaust conduit, said passage including said seventh chamber of said third valve, a relief valve interposed in said passage between said exhaust conduit and said seventh chamber of said third valve, said relief valve being opened by fluid from said first conduit when exceeding a certain low mold-closing pressure, a normally yieldingly closed fourth valve interposed in said passage between said first conduit and seventh chamber of said third valve, and means for opening said fourth valve and for permitting its closure, said fourth valve being opened, when closed, by fluid under a pressure higher than the opening pressure of said relief valve and lower than the maximum rated pressure of said pump.

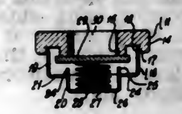
2,569,175
RIBBED CORN SNAPPING ROLL WITH RUBBER INSERTS
Elof K. Karlsson, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application September 30, 1948, Serial No. 52,112
2 Claims. (Cl. 130—5)



1. In a corn snapping roll comprising a substantially cylindrical core, a spiral rib extending around and along the core and forming a unitary part thereof, said ribs having short longitudinally extending lugs projecting inwardly toward each other between adjacent convolutions of said spiral rib, and rubber insert means formed with spaced notches therein in alinement with said short longitudinally extending lugs for the reception of said lugs from one of the spiral ribs, said rubber insert means placed on the core of said roll between adjacent rib convolutions.

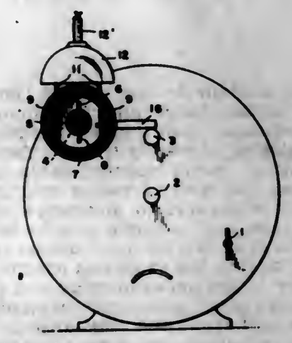
2,569,176
CHECK VALVE
Morris Katcher, New York, N. Y.
Application March 8, 1946, Serial No. 652,858
2 Claims. (Cl. 251—144)

1. A check valve comprising a ring, a sheet metal cage having a tight fit with the ring and extending axially away from one side of the ring only, said cage being divided into two axially extending portions, the portion adjacent the ring being of larger diameter than the portion farther removed from the ring, said cage having a radially extending part at its change in diameter joining said portions, tongues, of the metal of said part, extending axially from said part toward the ring



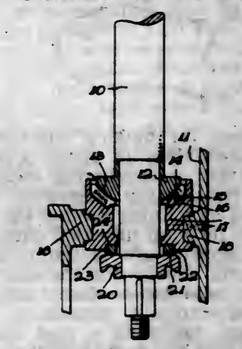
in substantial alignment with the wall of the portion of smaller diameter, said part being open at the places furnishing the metal of the tongues, a transversely extending member movable within the larger diameter portion of the cage to seat against the ring, and a spring inside the cage normally holding the member in seated position against the ring, said tongues limiting the motion of the member away from the ring.

2,569,177
ROTARY ELECTRIC SWITCH
Michael Kurek, Crafton, Pa.
Application October 18, 1950, Serial No. 190,676
17 Claims. (Cl. 200—35)



2. A time controlled switch for an alarm clock having a rotary winding stem which is released and unwound during sounding of the alarm, a stop element being supported on said clock adjacent said stem, said switch comprising a rotor of insulating material coaxially mounted on said winding stem for rotary movement therewith, a pair of diametrically opposed axially extending conductor bars carried by said rotor, a hollow cylindrical housing of insulating material coaxially mounted on said rotor for rotary movement relative thereto, two relatively axially aligned axially spaced pairs of diametrically opposed contacts carried internally of said housing for simultaneous engagement and disengagement with said conductor bars, and a stop pin positionable in said housing to engage one of said conductor bars and arrest the relative movement of said rotor within said housing when the conductor bars and said contacts are in engagement with the switch closed, said pin projecting externally from said housing into rotary abutment with said stop element and thereby maintaining said housing stationary during movement of said rotor and winding stem.

2,569,178
SPHERICAL THRUST BEARING
Arthur B. Lakey, Philadelphia, Pa., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application January 8, 1947, Serial No. 720,812
8 Claims. (Cl. 308—160)



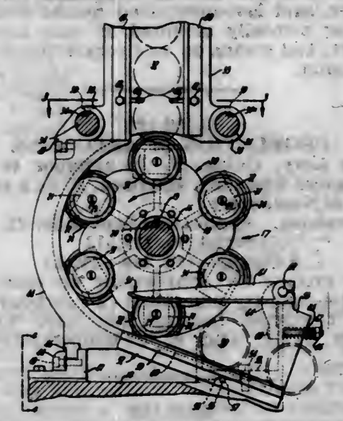
1. In an improved thrust bearing of the character referred to, in combination with a rotatable shaft and a thrust bearing therefor comprising members having a pair of opposed coacting rotatable and stationary bearing surfaces shaped to function both as a thrust bearing and as a guide bearing, said bearing surfaces having a bearing clearance therebetween, means for preventing such separation of said bearing surfaces that said surfaces cease to function as a guide bearing including an auxiliary bearing comprising a member having a rotatable bearing surface carried by and extending outwardly from the shaft and a stationary bearing means having a bearing surface opposed to said last named rotatable bearing surface and adapted to cooperate with said rotatable bearing surface in providing a thrust bearing on the occurrence of a force sufficient to separate said first named bearing surfaces, said auxiliary bearing surfaces having a clearance greater than said bearing clearance but small enough to prevent said first named bearing surfaces separating sufficiently to lose their function as a guide bearing.

2,569,179
FOOD HANDLING SPOON
Jack Lanchart, Brooklyn, N. Y.
Application February 18, 1949, Serial No. 77,221
4 Claims. (Cl. 7—1)



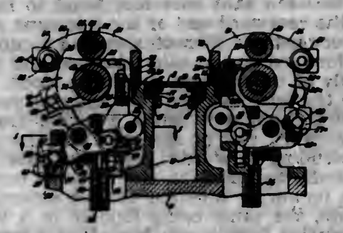
1. In a kitchen utensil having a spoon and an upper frame-like member overlying the spoon and having a shank portion projecting radially from one side of the frame-like member, a strainer for releasable attachment to the top face of the upper frame-like member, said strainer comprising a ring overlying the upper frame-like member and corresponding to the shape thereof, a wire mesh mounted across said ring, a tab projecting laterally from one side of said ring and overlying the shank portion of the upper frame-like member, and means releasably attaching said tab to the shank portion of the frame-like member for mounting said ring in position thereon.

2,569,180
FEED CHUTE AND GUIDE FOR CAN BODY CARRYING TURRETS
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application January 25, 1947, Serial No. 724,878
4 Claims. (Cl. 152—25)



1. A can body end flanger, including a bed plate, a pair of spaced supports secured to said bed plate, a drive shaft rotatably mounted in said supports, a pair of opposed can body carrying turrets connected to said drive shaft, spaced parallel rigid guide members extending between and secured to said supports, opposed feed chute side members mounted on said guide members for directing can bodies between said turrets, longitudinally spaced curved can body guides disposed around said turrets, said curved guides having their upper ends mounted on said guide members and the lower ends adjustably clamped to said bed plate, and means for adjustably securing said side members and curved guides to said guide members.

2,569,181
CAN BODY BLANK HOOK FORMING APPARATUS
Ed Laxo, Oakland, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application November 5, 1947, Serial No. 784,229
2 Claims. (Cl. 153—21)



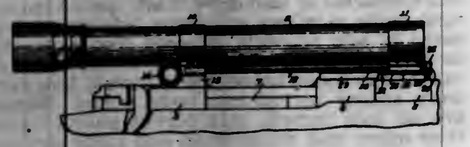
1. Apparatus for forming a sideseam hook on a can body blank, including a supporting member, a tool member, a movable tool member adjacent and cooperable with said other tool member to form said hook therebetween, a slide movable in said supporting member substantially at right angles to the plane of said blank, a holder for said movable member pivotally mounted on said slide, an operating member pivotally mount-

ed on said slide and engageable with said holder, means on said supporting member engageable with said operating member upon movement of said slide to effect movement of said holder and its movable tool member toward said other tool member, a clamp on said supporting member engageable with said body blank, means connected to said slide for moving it in said supporting member, said last-mentioned means comprising a rocker pivotally mounted on said supporting member, and means on said rocker for actuating said clamp.

2,569,182
PRODUCTION OF ARECOLINE
Joseph Levy, Union, N. J., assignor to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application September 23, 1949, Serial No. 117,513
9 Claims. (Cl. 260—295.5)

1. A process for dehydrating an ester of N-methyl-4-hydroxy piperidine - 3 - carboxylic acid which comprises heating said ester with anhydrous oxalic acid at a temperature above 100° C.

2,569,183
ELEVATION ADJUSTMENT FOR GUN-MOUNTED TELESCOPES
Earl L. Livermore, Los Angeles, Calif.
Application October 19, 1950, Serial No. 191,048
2 Claims. (Cl. 33—50)



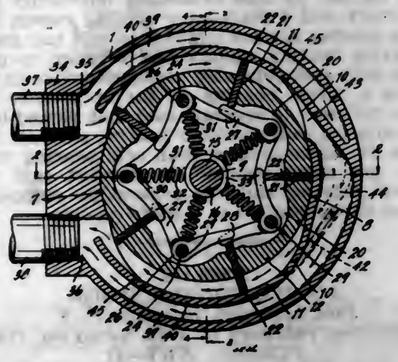
1. A telescope mount for a gun having rearward and forward longitudinally spaced mounting blocks on each end of the breech of said gun, the barrel of said gun extending forwardly of the forward block, and a telescope longitudinally disposed above said blocks, the ends of the telescope extending respectively rearward and forward of said rearward and forward blocks, said mount comprising a mount base affixed to the rearward block, a first mount band carried by an intermediate part of the telescope in operative alignment with said mount base, windage adjusting means between said base and band to laterally adjust the rearward end of the telescope relative to the forward end thereof, a second mount band on the forward end of said telescope and located forwardly of the forward mounting block, a tube beneath the telescope and extending between and connecting the mount bands, a spring-urged pin in the forward end of said tube and having an end protruding forwardly from said tube end, a plate fixedly mounted on the forward mounting block, a forwardly directed flexible extension on said plate, the same being flexible in a vertical plane relative to the gun barrel, said extension having an aperture in its free end disposed to receive the protruding end of said pin to, thereby, connect the forward end of the telescope to said flexible extension, and a vertically disposed set screw in said flexible extension end directed to impinge on the gun barrel therebeneath, said screw being vertically adjustable to flex said extension to, thereby, adjust the elevation of the telescope relative to the gun barrel.

2,569,184
METHOD OF MAKING SLIP-LASTED SHOES HAVING METATARSAL PADS
Charles Longini, Cincinnati, Ohio
Application December 3, 1949, Serial No. 130,917
2 Claims. (Cl. 12—142)



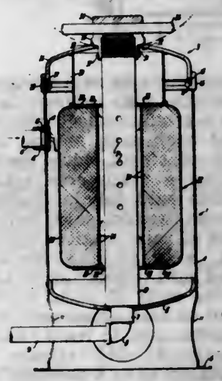
1. In a process for making slip-lasted shoes the steps of; assembling an upper, a sock lining and a flap adapted to overlie the sock lining in face to face relationship therewith, fastening said flap to said sock lining around the heel portions thereof to form an unsealed button-receiving envelope therewith and fastening said upper to said sock lining, slip-lasting the assembly thus formed whereby said flap conforms snugly to the last without substantially displacing said sock lining therefrom, fastening a heel and outsole to said lasted assembly, removing the shoe from the last, inserting at least one corrective button in said envelope and sealing said envelope.

2,569,185
HYDRAULIC PUMP OR MOTOR
Horace E. McKibben, Grand Junction, and Benjamin I. Newton, South Haven, Mich., assignors to Hydro-Cam Drives Corporation, Grand Rapids, Mich.
Application March 31, 1948, Serial No. 18,158
14 Claims. (Cl. 103—136)



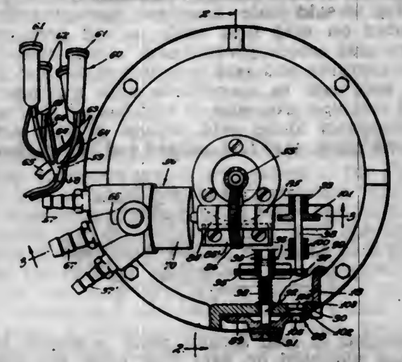
1. A fluid operated power conversion device comprising, a block having parallel end faces and defining a rotor chamber open to said faces, opposed arcuate working faces in said chamber, opposed arcuate divider surfaces between said working faces and having shorter radii than said working faces, connecting surfaces between the ends of said working and divider faces, paired inlet and outlet ports formed in the connecting surfaces at the ends of each working face, fluid conducting chambers formed in said block outwardly of each of said working faces, said block defining an inlet chamber opening to one of said fluid conducting chambers and one of said inlet ports, said block defining an outlet chamber opening to the other of said fluid conducting chambers and one of said outlet ports, cross over chambers in said block at the opposite edge thereof from said inlet and outlet chambers and connecting said one fluid conducting chamber with the other of said inlet ports and connecting the other of said outlet ports with said other fluid conducting chamber, a hollow rotor having one open end and rotatable in said rotor chamber and against said divider faces, end plates for said block bearing against said rotor, a shaft for said rotor journaled in said end plates, five equally spaced recesses in the inner wall of said rotor, said rotor defining radial slots between said recesses, vanes slidable in said slots, rockers pivotally supported in said recesses and having oppositely extending rigidly connected arms engageable with the inner edges of the vanes on each side of each rocker, said rockers having a radially movable connection to said rotor at their pivots, and springs bearing between said rockers and said shaft to urge said rockers outwardly, said outlet ports commencing in the rear edge of said working faces relative to the motion of said vanes whereby the pressure on each vane is relieved prior to the vane being retracted into the rotor by engagement with a connecting surface.

2,569,186
FILTER ASSEMBLY
Frank R. Ogilvie, Glendora, Calif., assignor to Engine Life Products Corporation, El Monte, Calif., a corporation of California
Application April 4, 1949, Serial No. 85,362
2 Claims. (Cl. 210—183)



1. A filter comprising: a cylindrical container closed at one end by an end wall and open at its opposite end, said container being formed with a slurry inlet and said end wall being provided with a filtrate outlet coaxial with said container; a filtrate tube disposed within said container coaxially therewith, one end of said tube being sealed to said end wall in communication with said filtrate outlet; a filter cartridge supporting plate fastened to said filtrate tube adjacent said end wall; a cylindrical filter cartridge mounted on said filtrate tube with one end thereof in engagement with said supporting plate; a quickly removable cover sealed to and over the open end of said container by a resilient elastomer gasket, said cover being formed with a central circular opening circumscribed by a spheroidal seat; a clamping plate mounted on the inner face of said cover and circumscribing said filtrate tube with substantial clearance, said clamping plate being arranged to engage one end of said filter cartridge; and a nut threaded to the outer end of said filtrate tube, said nut being formed with a spheroidal shoulder overlying said spheroidal seat and arranged for sealing engagement with a gasket disposed on said seat.

2,569,187
PORTABLE MILKING MACHINE
John R. Orelind, Wilmette, Ill.
Application February 7, 1949, Serial No. 74,919
3 Claims. (Cl. 116—73)

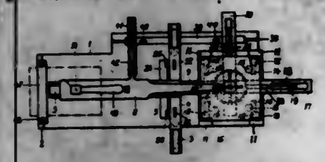


1. A timer for a milking machine, said timer comprising a housing structure having a vacuum chamber, a rotatable member mounted on said housing structure, a whistle opening in communication with said vacuum chamber, said rotatable member having a bore adapted to register with said whistle opening at one point during rotation of said rotatable member, means for rotating said rotatable member, said means including a first shaft connected to said rotatable member, a first gear rotatably mounted on said first shaft, a spring carried by said first shaft, a stop rigidly secured to said first shaft, said spring being constructed to urge the first gear into frictional contact with said stop thereby imparting movement of said first gear to said first shaft, a second gear of reduced diameter in meshing engagement with the first gear, means supporting said second gear including a second shaft in driving engagement with said second gear, a third gear secured to said second shaft, a rotatable valve member, said rotatable valve member being adapted to provide for intermittent vacuum pulsations in the teat cups of a vacuum actuated milking machine, means connected to said rotatable valve member and to said third gear for rotating said third gear in response to rotation of said valve member, whereby the rotatable member is rotated and whereby the bore of the rotatable member is moved into registry with the whistle opening thereby connecting the vacuum chamber with the atmosphere and to emit an audible signal, the movement of the rotatable member being simultaneous with the movement of the rotatable valve member to indicate the time elapsed in a timed milking operation.

2,569,188
PATTERN GRADING MACHINE
Albrecht Pecher, Orebro, Sweden
Application January 18, 1947, Serial No. 722,914
In Sweden January 29, 1946
5 Claims. (Cl. 33—23)

2. In a pattern-graduating mechanism, a fixed base, a carriage mounted on said base for movement in directions lengthwise and crosswise of said base at right angles to each other, a pantographic arm, a pivot pivotally supporting said pantographic arm on said base, a rod positionable along said pivoted arm, means connecting said carriage and said rod for pivoting said arm in accordance with movement of said carriage lengthwise of said base, a first table slideably guided for movement lengthwise of said base, a

plate, means slidably connecting said first table and said plate for relative movement in a direction transverse the lengthwise direction of said base, a second rod positionable along said pivoted arm, said second-named rod being pivotally connected to said plate; a second pantographic arm pivoted on said first table, a rod positionable along said second pivoted arm, means connecting said carriage and said last-named rod for pivoting said arm in accordance with movement of said carriage crosswise of said base, a second rod positionable along said second pivoted arm, a second plate, said last-named rod being pivotally



connected to said second plate, a second table, means mounted on said first table for guiding the movement of said second table relative to said first table in a direction crosswise of said base, means slidably connecting said second table and said second plate for guiding said second plate in a direction transverse the crosswise direction of movement of said second table, the rods of each of said pair of rods on said pivoted arms being settable along their respective pivoted arms for controlling the movement of said second table with respect to said carriage lengthwise and crosswise of said base.

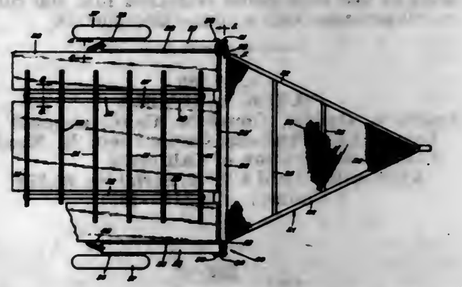
2,569,189
SMOKING PIPE
Paul A. Petersen, Mellette, S. Dak.
Application May 7, 1946, Serial No. 667,746
1 Claim. (Cl. 131—203)



In a smoking pipe, the combination with a bowl, an open-ended receptacle for containing ashes arranged forwardly of said bowl, a stem arranged rearwardly of said bowl, and a bit extending from an end of said stem adapted to be inserted in the smoker's mouth, of a means for preventing the flow of saliva from the smoker's mouth from contacting with the interior of the stem, said means comprising an open-ended tube arranged longitudinally in said pipe, an end of said tube extending through said bit, and the other end of said tube terminating above said receptacle, an intermediate portion of said tube passing through a wall of said bowl and supported by said wall, there being an aperture arranged in said tube for the ingress therethrough of smoke, and means for absorbing fluid in said tube.

2,569,190
BALE HANDLING VEHICLE
Walter R. Peterson, Hinsdale, and Adelbert C. Raffee, Oak Park, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application December 27, 1946, Serial No. 718,812
7 Claims. (Cl. 214—44)

7. A wheeled vehicle adapted to be connected to the rear of a baling device for receiving bales from a baling chamber, the vehicle comprising a triangular sloping receiving frame, a transversely extending tubular member rigidly connected to the rear portion of said receiving frame, a supporting platform associated with said receiving frame, said supporting platform including laterally spaced longitudinally extending end members having their forward portions connected to said tubular member and a longitudinal center member connected at its forward end to said tubular member, said center member being positioned between and having its sides spaced from said end members to form longitudinally extending open end slots through said platform, the platform being adapted to support a pallet having longitudinally extending laterally spaced members lying in said slots and adapted to project downwardly through the slots below said platform, tubular arms pivotally connected

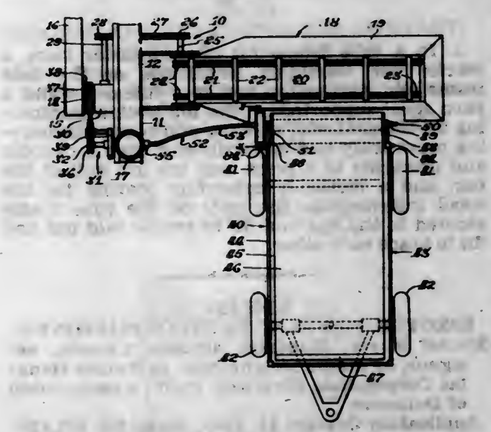


at their forward ends to said platform and extending rearwardly with respect to their point of connection, a ground wheel journalled on the rear portion of each arm, means for vertically adjusting said platform with respect to the ground including a transverse rotatable shaft journalled within said tubular member, a plurality of sheaves within said hollow arms, a sheave on each of said longitudinally extending end members, a flexible element extending through each of said tubular arms and over said sheaves, the free ends of each flexible member being connected to said transverse shaft, a pawl and ratchet mechanism to rotate said shaft and raise said platform, and release means for lowering said platform to a position whereby the longitudinal members of the pallet will rest upon the ground and said vehicle may be withdrawn from beneath the pallet.

2,569,191
WAGON UNLOADING ATTACHMENT FOR PNEUMATIC ELEVATORS
Walter R. Peterson, Hinsdale, Ill., and Erwin R. Johnson, Ames, Iowa, assignors to International Harvester Company, a corporation of New Jersey
Application October 22, 1947, Serial No. 781,452
2 Claims. (Cl. 214—83.28)

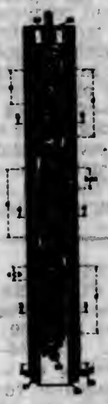
1. In a material handling vehicle having a longitudinal body, a movable conveyor supported on the body, a rotatable member connected to the conveyor for moving the same, and a transversely extending shaft journalled on the body for rotatably supporting the rotatable member about a transverse axis; a drive structure for rotating said rotatable member comprising a portable casing, a drive shaft journalled for rotation on said casing, said drive shaft having first and second connecting portions projecting outwardly from opposite sides of the casing, a ratchet wheel within the casing, said wheel being connected to the drive

shaft for rotating the same, a cam structure journalled on the drive shaft for relative rotational movement with respect thereto, a cam follower movably mounted within the casing, a drive pawl engageable with the ratchet wheel for moving the same, means connecting the cam follower with the pawl for reciprocating the same during movement of the cam thereby rotating the ratchet wheel and said drive shaft, means for rotating said cam including a flexible drive structure, said drive structure including a flexible shaft adapted



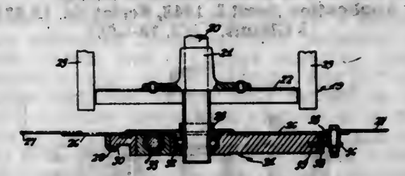
to be connected at one end to a source of power, said shaft having a second end projecting into said casing, drive means on the second end of said flexible shaft engageable with the cam structure, a flexible sheath enclosing said drive shaft, and quick detachable means on the first and second connecting portions of the drive shaft whereby one of the connecting portions may be quickly connected to the shaft on the vehicle body for rotating said rotatable member and moving said conveyor to discharge material from the vehicle.

2,569,192
HIGH-VOLTAGE ARC-SPINNING ARRESTER
Ralph R. Pittman, North Little Rock, Ark.
Application May 31, 1950, Serial No. 165,317
3 Claims. (Cl. 175—30)



3. A lightning arrester construction comprising a tube of insulating material closed at one end and vented at the other end, normally insulated conducting electrodes mounted at the respective ends of said tube, a column of unjoined fillers of insulating material within said tube in end-to-end abutting engagement, each of said fillers having a diameter less than the internal diameter of said tube, said fillers being disposed in eccentric position with respect to the bore of said tube in engagement with the inner wall thereof along alternately peripherally spaced, longitudinally extending lines of abutment therewith, and providing a plurality of misaligned crescent-shaped, longitudinally extending discharge spaces originating at the abutment line of each filler and extending around each filler from one end to the other and between the outer surface of each filler and the inner surface of said tube, means including said electrodes for holding said fillers in said eccentric position, and structural means for causing sparkover between said electrodes to occur within said tube along a predetermined path which includes the peripherally spaced lines of abutment, said structural means including conducting members extending along a portion of the abutment line associated with each filler, the length of said conducting members being such that the ratio of the length of the dielectric portion of the abutment line of the filler adajacent to the closed end of said tube to the total length of said last-named filler is greater than said ratio with respect to any other filler.

2,569,193
ADJUSTABLE SHAFT MOUNTING MEANS
Stuart D. Pool, Moline, and Clinton D. Prosser, Rock Island, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application May 31, 1946, Serial No. 673,450
3 Claims. (Cl. 308—61)

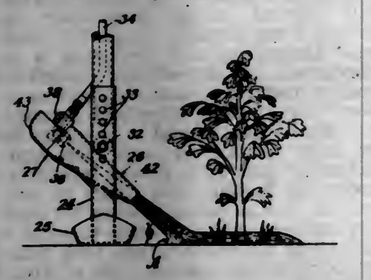


1. In a device for adjustably mounting a shaft in a housing, said device including arms hingedly mounted on said housing, said arms carrying the shaft, and means for raising and lowering said arms, said means including trunnions in said arms and threaded spindles engaging said trunnions, each said threaded spindle yieldably anchored at its lower end and journally supported at its upper end whereby the shaft may yield upwardly regardless of the setting of the threaded spindle in the trunnion.

2,569,194
APPARATUS FOR PLANT CULTIVATION
Stuart D. Pool and Bernice J. Shager, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application December 23, 1948, Serial No. 66,908
8 Claims. (Cl. 126—271.3)

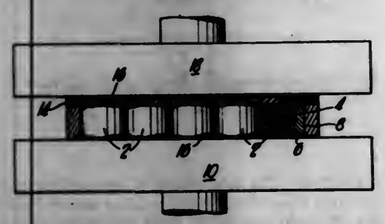
1. In mechanism for the cultivation by flame and the like of stemmed row crop plants wherein a vehicle having a source of fuel supply is propelled over the ground parallel to the crop row,

a supporting structure carried by the vehicle, a burner head mounted on the supporting structure in proximity to the ground adjacent the row of crop plants and disposed at an angle with respect to the ground of approximately forty-five degrees, said burner head having an outlet for discharging a flame upon the ground adjacent the crop plants to bathe the stems thereof



and the surrounding vegetation with flame, said burner head having substantially unbroken upper and side surfaces, and openings formed in the under surface thereof arranged to release and direct downwardly the products of combustion formed within the burner head upon restriction or closure of the burner outlet, whereby to protect plant foliage above and to the sides of said burner head.

2,569,195
METHOD OF INSPECTING WIRE-DRAWING DIE CONTOURS
John G. Quetsch, Jr., Garfield Heights, and Joseph T. Weir, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application April 2, 1948, Serial No. 18,634
3 Claims. (Cl. 18—55)



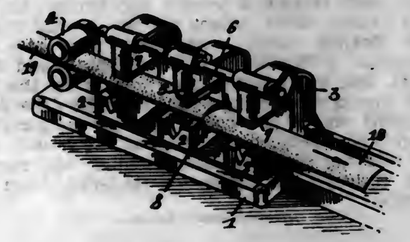
1. The method of inspecting the die hole of a wire drawing die, said die hole having a central constricted small diameter portion between outwardly tapered portions, said method comprising placing a plurality of dies in a frame side by side with their entrance ends all facing in the same direction, covering the entrance ends of said dies in said frame with at least one sheet of uncured rubber, said rubber sheet being of sufficient dimension to cover all the dies, heating the prepared frame and applying pressure thereto to cause said rubber to flow into and through the small diameter portions of the die holes in contact with the sides of said holes to form impressions of the die holes, and then pulling the sheet of rubber to cause fracture of the rubber within each die hole adjacent the exit end thereof and removal of the sheet with the impressions of the entrance end and constricted portion of the dies attached thereto.

2,569,196
TUBE FRAME FOR AXMINSTER LOOMS
Walter Y. Robb, Whitinsville, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 19, 1948, Serial No. 27,971
5 Claims. (Cl. 139—10)



1. In a tube frame for an Axminster loom, a carrier bar extending lengthwise of the tube frame and having top and rear integral walls, a yarn spool supported on the top wall, a reinforcing fin integral with said top and rear walls curving rearwardly and upwardly and then forwardly and upwardly to a point over the top wall of the bar, and a vertically extending bearing for the spool intermediate the ends of the tube frame secured to the bar and fin to enable said bar and fin to brace each other.

2,569,197
EJECTOR FOR SLAT CUTTING MACHINES
Marcel Royer, Montreal, Quebec, Canada, assignor, by mesne assignments, to Hunter Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application October 13, 1949, Serial No. 121,155
6 Claims. (Cl. 164—49)



1. In a machine for cutting Venetian blind slats from a strip of bowed slat stock, said machine including a cut-off device and means for advancing a strip of slat stock through said cut-off device, the improvement comprising a member disposed beyond said cut-off device and engaging said strip with a yielding spring pressure in a direction transverse to the centerline of the strip, said member being operable to displace a slat severed by said cut-off device in said transverse direction for a fraction of its width, whereby the arcuate end of the severed slat is crossed by the arcuate end of the strip, and said strip is thereby enabled to push the said slat ahead of it the next time that the strip is advanced.

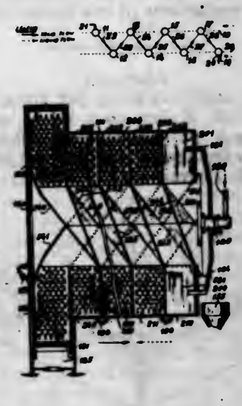
2,569,198
ANDIRON FOR FIREPLACES
Eugene C. Schoenheit, Portland, Oreg.
Application January 11, 1949, Serial No. 70,198
1 Claim. (Cl. 126—298)

An andiron consisting of a curved elongated horizontal hearth engaging foot member having an upturned socket at one end and means for attaching an ornamental post at its other end in combination with a horizontal log supporting bar having upturned log stops at its ends and a downturned socket engaging shank at one end and a downturned hearth engaging foot at the other



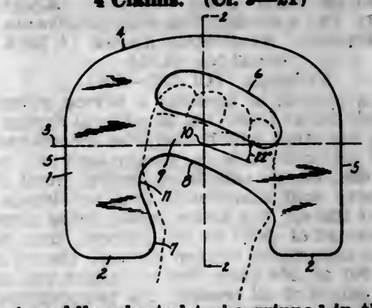
end thereof and means for holding said bar and curved foot member in alignment.

2,569,199
METHOD AND APPARATUS FOR CONTACTING SOLIDS AND LIQUIDS
André Smet, Tirlemont, Belgium, assignor to Raffinerie Tirlemontoise, Tirlemont, Belgium, a company of Belgium
Application July 13, 1948, Serial No. 38,496
8 Claims. (Cl. 127—5)



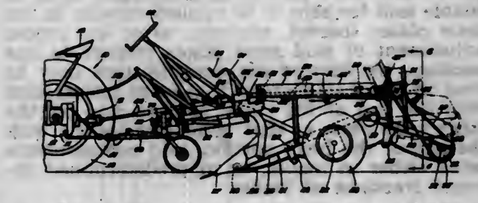
1. The method of continuously contacting solids traveling through a contact zone with a volume of liquid sufficient for an effective contact, which comprises dividing said volume of liquid into at least two substantially equal parts, passing said parts through said zone in at least two streams traveling in countercurrent to and at greater speed than said solids and bringing said solids during their passage through said zone repeatedly into contact with each one of said streams.

2,569,200
SWIMMING PADDLE
Emerson V. Smith, Kalamazoo, Mich.
Application July 28, 1949, Serial No. 107,170
4 Claims. (Cl. 9—21)



1. A paddle adapted to be gripped in the hand as a swimming aid comprising, a generally flat panel having straight symmetrical side edges joined by a smoothly rounded front edge and a rear base edge generally perpendicular to the longitudinal axis of the paddle and said side edges, the rear edge and portion of said panel being notched forwardly in a wrist opening terminating in a rearwardly and outwardly inclined edge, the side edges of said wrist opening being concave outwardly of said panel, the forward portion of said panel forming an elongated finger opening inclined rearwardly and outwardly in generally parallel relation to the forward edge of said wrist opening whereby a rearwardly and outwardly inclined grip portion is formed between said wrist opening and finger opening at an angle of approximately 22° with respect to the transverse axis of the panel, said grip portion being positioned on said panel whereby the base knuckle of the second finger of the hand gripping said grip portion will be positioned approximately over the transverse and longitudinal center of the panel, said wrist opening being located closer to the outer edge of said panel than the inner edge thereof.

2,569,201
DRAFT AND LIFT MECHANISM FOR POTATO DIGGERS
Lewis E. Smith, Congress Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application November 7, 1946, Serial No. 708,229
10 Claims. (Cl. 55—9)

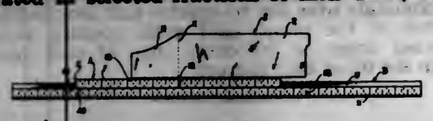


1. For a trailing implement having a longitudinally extending frame pivotally supported on ground wheels, and a ground engaging means connected at one end to the frame and pivotally movable with the frame with respect to the ground; a lifting mechanism adapted to be connected to the longitudinally extending frame and to the draw-bar of a tractor comprising, a draft frame adapted to be connected to the implement frame, said draft frame including a longitudinally extending lifting member, a longitudinally extending draft beam disposed below the lifting member, a link pivotally connected to said draft beam and to said lifting member, a relatively longer second link pivotally connected to said draft beam and to said lifting member, said links being positioned in relative non-parallel relation, means adapted to pivotally connect the draft beam to the draw-bar of a tractor, and adjusting means connected between the draft beam and the longitudinal lifting member whereby the beam and the lifting member may be relatively moved apart thereby raising said draft frame whereby an implement frame connected to said draft frame may also be raised.

2,569,202
SLIDE RULE
Cecil Solomon, New York, N. Y.
Application January 14, 1949, Serial No. 70,939
4 Claims. (Cl. 235—70)

1. A slide rule for use in measuring a fur skin having a head portion and a rump portion, and simultaneously computing the number of

cuts of a selected width to be made in both said head and rump portions, by direct application of said fur skin to said slide rule, said slide rule comprising an elongated base member having a planar longitudinal scale plate, and a slide member mounted on said base member for longitudinal sliding movement relative thereto, said slide member also having a planar longitudinal scale plate whose longitudinal axis is parallel to the longitudinal axis of said base member scale plate, said slide member scale plate and base member scale plate having front surfaces located on a common plane, each of said scale plates bearing longitudinally-disposed and transversely spaced rows of scales, one scale of each scale plate being calibrated in inch units, the other scales of each scale plate being calibrated in selected-fractions-of-inch units, each



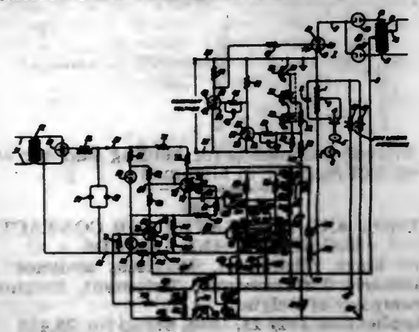
calibration of each scale being consecutively and integrally numbered, the scales of each respective scale plate running in the same direction and having starting points which are transversely alined on said scale plate, the numbers of said slide member scale plate reading in the opposite direction to those of the base member scale plate, said slide rule being sufficiently long to enable said fur skin to be applied directly to the scale plates thereof, whereby, after the proper adjustment of said scale plates relative to one another, the correct cut computations may be read off one scale plate at that point intersecting with the end of the rump portion, and off the other scale plate at that point intersecting with the end of the head portion, said computations being either in inches, or in predetermined selected fractions of inches.

2,569,203
CONTINUOUS PROCESS FOR PRODUCING BUTTER
Alf Lennart Stigen, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
No Drawing. Application December 31, 1948, Serial No. 68,730. In Sweden January 22, 1948
5 Claims. (Cl. 99—119)

1. In the continuous production of butter by cooling high-concentration cream to a temperature at least as low as +14° C., to obtain a complete phase conversion from an emulsion of the fat-in-water type into another of the water-in-fat type, the improvement which comprises, after said cooling, heating the butter to a temperature of 18–30° C., and then re-cooling the butter to the storing temperature.

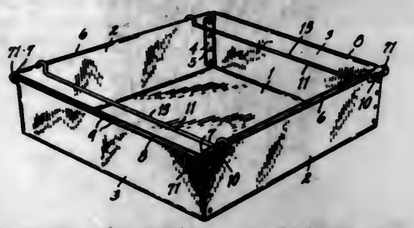
2,569,204
ELECTRONIC VOLTAGE REGULATOR
Jerry I. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 31, 1945, Serial No. 585,942
20 Claims. (Cl. 323—22)

1. In combination, a source of constant voltage, a second source of voltage, a pair of output terminals across which said sources of voltage are connected in series relation, a load circuit connected to be energized from said output terminals, said load circuit having a negative impedance-voltage characteristic, and means responsive to the current of said load circuit for



varying the voltage of said second source inversely with variations of the current in said load circuit.

2,569,205
STACKING BOX OR TRAY
Fred J. Ulrich, Kalamazoo, Mich., assignor to Lee A. Ferdon, Detroit, Mich.
Application October 4, 1946, Serial No. 701,286
7 Claims. (Cl. 220—97)

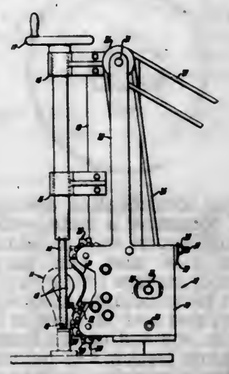


7. A stacking box or tray comprising, side and end walls formed of sheet stock and having tubular reinforcing rims, reinforcing rods arranged in the rims of the side walls to project therefrom and having eyes at their ends, the rims of the end walls constituting pintle bearings aligned with said eyes, and stacking bails provided with pintles disposed through said eyes and extending into said bearings.

2,569,206
REMOVING INHIBITORS FROM DRYING OILS
Henry A. Vogel, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application August 19, 1948, Serial No. 45,210
9 Claims. (Cl. 260—406)

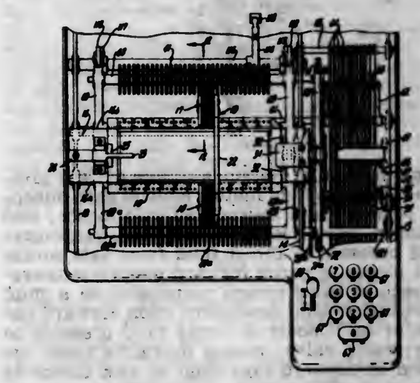
1. In a process of treating a drying glyceride oil containing at least .1% of natural drying inhibitors, the steps which comprise incorporating with the oil an organic carboxylic acid salt soluble therein, which salt is of heavy metal that forms fatty acid compounds that accelerate air drying of the oil, the active metal being present in an amount of .0001 to .001 percent, then bubbling gas comprising oxygen through the oil at a rate of .001 to .004 cubic feet of oxygen per minute per gallon of oil treated, the temperature of treatment being within the range of 230 to 280° F., treatment continuing over a period of 10 to 90 minutes whereby to reduce the inhibitor content by 50 to 98%.

2,569,207
PEAR PEELING APPARATUS
Lawrence W. Waters, Ontario, Calif., assignor to Atlas Imperial Diesel Engine Co., Oakland, Calif., a corporation of Delaware
Application January 19, 1948, Serial No. 2,995
5 Claims. (Cl. 146—43)



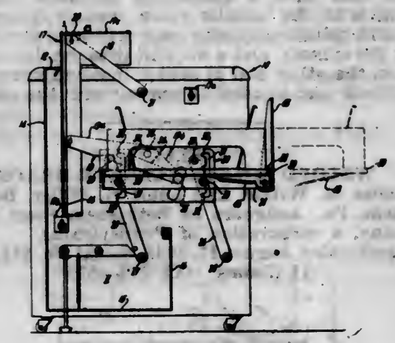
1. A pear peeler comprising mounting and rotating means for mounting a pear and rotating the same substantially about its longitudinal axis, peeling means to traverse longitudinally of the exterior of the pear during its rotation to effect peeling thereof, said peeling means comprising a peeler head, a driven endless deformable member mounted on the head for movement continuously in one direction in a closed path, guide means for guiding said member through a portion of its path in a manner substantially conforming said member to the external longitudinal contour of a pear in the mounting means from a point adjacent its calyx end to a point adjacent its stem end, peeling blades carried by said member to engage the pear to peel the same as the latter is rotated, gauging means on said member to gauge the depth of cut of the peeling blades.

2,569,208
KEY OPERATED CARD PUNCHING MACHINE
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Application February 3, 1947, Serial No. 726,142
7 Claims. (Cl. 164—112)



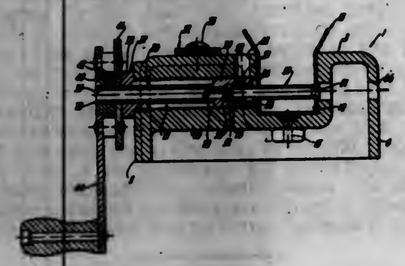
1. A machine of the character described comprising a frame, means for holding a card on the frame in a predetermined position, guide means extending parallel to the opposed side edges of a card on said holding means, a carriage movable on said guide means and having opposed sets of punches and dies in operative relation to the side edges of a card supported on said holding means, means for actuating said punches including a set of selector members for each set of punches adapted to transmit movement thereto, a single set of key operated means for moving said selector members to determine the punch to be actuated by said actuating means, means for selectively placing said key operated means in operative relation with said sets of selector members in order that only one set of said sets of punches and dies may be effective for operation on a card, and means for automatically shifting said selector members to ineffective position following actuation of a selected punch by said actuating means.

2,569,209
LEDGER TRAY CABINET
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application January 19, 1948, Serial No. 3,097
6 Claims. (Cl. 312—271)



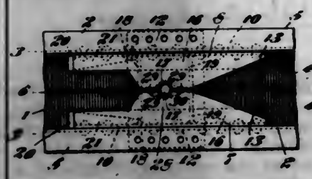
6. A cabinet of the character described, a body having an open front and an open top, a bodily movable cover for said carrier including a normally horizontal top portion adapted to cover the open top when the cover is closed and a normally vertically disposed front portion adapted to lie in front of the open front portion when the cover is closed, linkages supporting said cover and providing for pivotal movement thereof to a position where the normally horizontal front cover lies vertically within the cabinet and the normally vertical front portion lies horizontally over the cabinet when the cover is opened, a tray carrier within said cabinet, a tray transversely slidable with respect to said cabinet mounted on said carrier, means for moving said carrier with respect to said cabinet when said cover is moved, linkages supporting said carrier to guide the same for upward and outward movement in response to movement of said cover, slots in said carrier, bolts carried by said linkages, said bolts and slots being adjustably engageable to permit vertical adjustment of said carrier and hence said tray with respect to said cabinet without adjustment of either of said linkages, a pivotally mounted normally vertical front for said tray, said cover and said tray front being constructed and arranged to provide for the internal juxtaposition of said tray front with respect to said cover when the tray is retracted within the cabinet and the cover is closed.

2,569,210
TARIFF DRILL
Nelson S. Welk, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation
Application April 19, 1948, Serial No. 21,820
4 Claims. (Cl. 164—86)



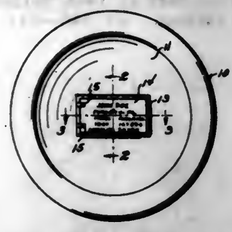
1. A drilling device of the character described comprising a frame, a paper guide mounted on the frame for receiving a stack of papers, said guide being formed with a drill hole adjacent a face of said stack of papers, a threaded spindle guide fixed to the frame in alignment with said drill hole, a spindle in threaded engagement with the spindle guide, means at one end of said spindle opposite said drill hole for rotating the spindle, and a drill bit detachably mounted on the other end of said spindle adjacent said drill hole and in axial alignment with the spindle.

2,569,211
WELDED BOLSTER CENTER BRACE
Charles M. Wright and Louis G. Miller, Bethlehem, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Application August 17, 1945, Serial No. 611,044
11 Claims. (Cl. 212—57)



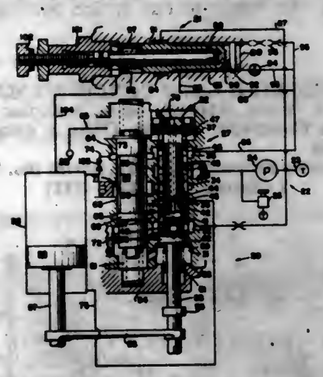
1. In a railway car underframe including a center sill formed of a pair of rolled members of Z-section disposed with their webs vertically and the top flanges extending inwardly and their abutting edges welded together to form a center sill of inverted U-section with outwardly extending bottom flanges, a bolster for the car underframe, a bolster center brace between the webs of the Z-section, comprising side members each of substantially channel shape having a side wall and top and bottom flanges, said bottom flange at its central portion having a greater width than the top flange and formed with a recess, a pair of spaced transversely extending web plates welded to each of the channel shaped side members, a locking member comprising a plate structure having its ends welded to the inner edges of the spaced transversely extending web plates and the bottom edges of the locking member to the inner edges of the bottom flanges of the side member, a king pin pocket formed centrally in the locking member registering with the recess formed in the edges of the bottom flanges of the side members, and a welded connection between the edges of the recesses and locking member.

2,569,212
IDENTIFICATION HUB CAP
Nick J. Zagotti, Ford City, Pa.
Application July 16, 1947, Serial No. 761,230
1 Claim. (Cl. 40—129)



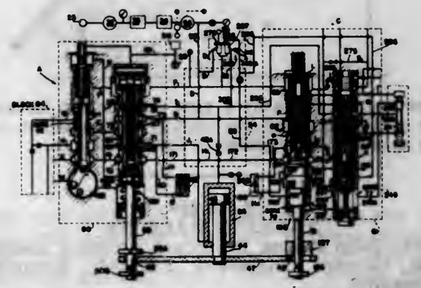
In a hub cap identification device, the combination which comprises a motor vehicle hub cap having an arcuate outer wall, a rectangular-shape frame having side and end bars positioned against the inner surface of the outer wall of the hub cap, with longitudinally disposed grooves in the inner edges and rear surfaces of the side bars, with the bar in one end of the frame rectangular shape in cross section and having spaced inwardly extended spring clips thereon for resiliently urging a card in the frame the edges of which are positioned in the grooves of the side bars against the inner surface of the arcuate outer wall of the hub cap, and with the end bar in the opposite end of the frame having a card receiving recess in the under surface thereof through which a card may be inserted and removed in and from the frame.

2,569,213
HYDRAULIC MOTOR CONTROL APPARATUS
Cecil E. Adams, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application March 12, 1947, Serial No. 734,127
13 Claims. (Cl. 121—38)



1. In a hydraulic system, a source of fluid pressure; a reversible fluid motor; control valve mechanism between said source and said motor; said mechanism having a reversing valve responsive to fluid pressure to direct fluid from said source to said motor to cause forward operation thereof; a second valve means responsive to a fluid pressure differential dependent upon forward operation of said motor to apply fluid pressure to said reversing valve; means operative upon the cessation of forward operation of said motor to actuate said valve means to discontinue the application of fluid pressure to said reversing valve; means for delaying the operation of said last-named means; and means for automatically shifting said reversing valve to a position to cause reverse operation of said motor when the application of fluid pressure to said reversing valve is discontinued.

2,569,214
HYDRAULIC APPARATUS
Cecil E. Adams and Ellis H. Born, Columbus, Ohio, assignors to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application May 8, 1948, Serial No. 25,948
35 Claims. (Cl. 60—52)



15. In a hydraulic system, a source of fluid pressure; a reversible fluid motor; control means between said pressure source and said motor, said control means having a reversing valve responsive to fluid pressure to cause forward operation of said fluid motor; a spool valve supported for sliding movement between a position to apply fluid pressure from said source to said reverse valve and a position interrupting such pressure application, said spool valve being moved to the former position when said motor operates in a reverse direction and to the latter position when said motor operates in a forward direction; a fluid operated counting mechanism for interrupting the operation of said spool valve after a predetermined number of operations have been executed, said spool valve serving as a piston to supply a predetermined quantity of fluid to said counting mechanism during each movement toward one position; and means for adjusting said counting mechanism to vary the number of operations of said spool valve.

21. In hydraulic apparatus, a source of fluid pressure; a reversible fluid motor; control mechanism between said motor and said fluid pressure source, said control mechanism having a valve element movable between positions in which fluid from said pressure source is alternately applied to different portions of said motor to effect forward and reverse operation thereof; and means responsive to the pressure surge in the exhaust, when said valve moves toward a position to apply fluid pressure to a portion of said motor to cause operation thereof in a predetermined direction, to resist movement of said valve element toward said position.

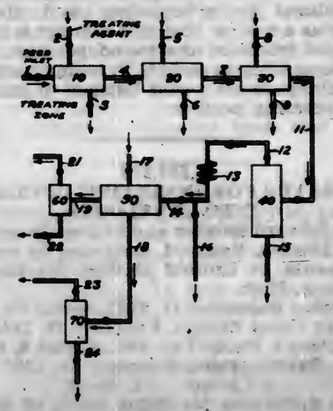
2,569,215
OPEN-HEARTH PROCESS
Clarence L. Altenburger, Dearborn, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application November 9, 1946, Serial No. 709,005
3 Claims. (Cl. 75—56)

3. In the method of operating an open hearth furnace in accordance with the high hot metal process, the steps of charging limestone into the furnace; charging a plurality of bodies of partially reduced iron oxide into the furnace above the limestone, each of said bodies having a core of iron oxide and an outer layer of sponge iron,



the sponge iron of each body constituting from 5% to 60% by weight of the total iron in the body, heating these charged materials and oxidizing the sponge iron; and then charging molten pig iron into the furnace, removing slag from the furnace, and purifying and working the heat.

2,569,216
SEPARATION OF OLEFINS FROM HYDROCARBON DISTILLATES CONTAINING AROMATICS
Erving Arundale, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 15, 1949, Serial No. 87,664
2 Claims. (Cl. 260—674)



1. Process for the segregation of olefins from C_5 to C_8 aromatic hydrocarbons, said olefins boiling in approximately the same boiling range as the said aromatic hydrocarbons whereby the segregation cannot be made by distillation, which comprises contacting said aromatic hydrocarbons and olefins with 5 to 25 volume percent of a treating agent consisting of sulfuric acid having a concentration of 50% to 80% and an aldehyde selected from the group consisting of formaldehyde and acetaldehyde wherein the aldehyde concentration is the equivalent to about 1.2 to 2.5 mols per mol of olefin present in the aromatic hydrocarbons treated, said contacting being conducted at a temperature in the range from about 20° C. to 50° C., and subsequently distilling the said treated hydrocarbons, removing aromatic hydrocarbons as an overhead product.

2,569,217
METHOD AND PACKAGE FOR PRESERVING FOOD

Nishan S. Bagdigian, Charlestown, Mass., assignor of one-half to Aram A. Arabian, Providence, R. I.

No Drawing. Application May 2, 1949, Serial No. 91,911
1 Claim. (Cl. 99—68)

A method of packaging coffee comprising roasting, cooling, drying and grinding the coffee in a chamber full of carbon dioxide, and packaging and sealing the coffee in a chamber full of carbon dioxide.

2,569,218
VEHICLE HOOD AND BUMPER CONSTRUCTION

William D. Bailey, Jr., Oakland, Calif.

Application April 22, 1947, Serial No. 743,136
2 Claims. (Cl. 180—69)



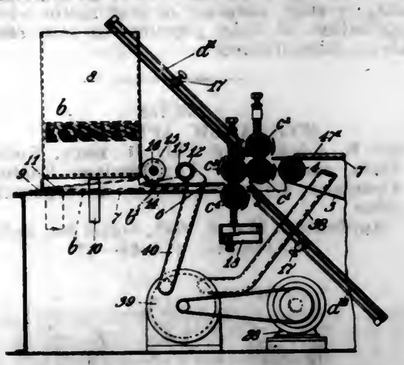
1. A vehicle construction comprising a frame and means supporting said frame above ground, said means including ground engaging wheels, a shell covering said wheels and adjacent portion of said frame, a bumper extending past said wheels about the outside of and affixed to said shell, hinges for articulating said shell and bumper as a unit so that said bumper is detached from said frame in the raised position, tapered pins cooperating in sockets in bumper and frame for latching securely said bumper to said frame in the covering position.

2,569,219
APPARATUS FOR INSERTING DOCUMENTS INTO ENVELOPES

George Edward Bamber and Sidney George Turnbull, London, England, assignors, by mesne assignments, to Unifold Mailing Machines Inc., Saginaw, Mich.

Application December 11, 1947, Serial No. 791,058
In Great Britain, February 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1965
2 Claims. (Cl. 93—6)

2. An apparatus for filling series of envelopes with documents comprising a holder of a stack of envelopes, a holder of a stack of documents, a table along which the envelopes can be transported singly from their holder, a table along which the documents can be transported singly from their holder, means capable of conveying the envelopes along the said first table, means capable of transporting the documents along the said second table at right angles to the direction of transportation of the envelopes, means for injecting air into the envelopes disposed at a point between the two tables in order to blow the envelope open and means at this point for introducing the documents into the envelopes, the apparatus further comprising a suction nozzle arranged over the stack of documents for removing them one after the other and delivering them on to the table along which they are transported, a centrifugal fan, an electric motor driving the centrifugal fan, a pipe connection from the outlet of the centrifugal fan to the said air

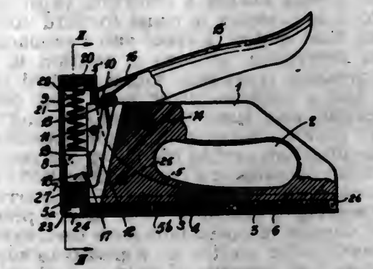


injecting means and a pipe connection between the suction side of the said centrifugal fan and the said suction nozzle.

2,569,220
TACKING MACHINE

Alfred John Batten, Brentford, England, assignor to Gerrard Industries Limited, Brentford, England

Application January 11, 1949, Serial No. 70,289
In Great Britain January 22, 1948
4 Claims. (Cl. 1—49)



1. In a stapling machine of the type including a body portion having a staple magazine in the bottom part and an actuating mechanism including a hammer and shearing blade assembly in the front part, and a spring-retained manually operable handle movably mounted on the body portion for operating said actuating mechanism, the improvement comprising a unitary cover member having front and bottom portions for covering both the front and bottom parts of said body portion, said cover member being removable forwardly from the body portion to expose the actuating mechanism and staple magazine.

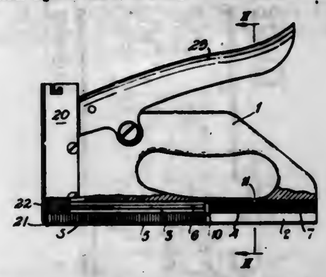
2,569,221
MAGAZINE AND FEED MEANS FOR STAPLING MACHINES

Alfred John Batten, Brentford, England, assignor to Gerrard Industries Limited, Brentford, England

Application January 11, 1949, Serial No. 70,290
In Great Britain May 27, 1948
3 Claims. (Cl. 1—49)

1. In a stapling machine of the type including a body having a staple receiving driver slot and a staple magazine channel opening at one end into said slot, the improvement which comprises the extension of the other end of said magazine

channel to open through said body to define a staple loading opening, said magazine channel being of a size to snugly but freely receive staples transversely therein, a channel slot in said body longitudinally of and opening through one wall of said magazine channel and being closed at its ends, an open slot longitudinally of said channel slot and opening on one side into said channel slot and on the opposite side through said body, a rod fixed at its ends in said body and mounted in said channel slot substantially in alignment with said open slot, a staple feeding element slid-

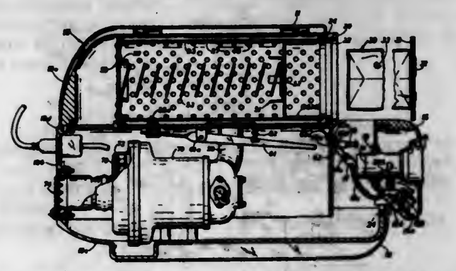


ably and pivotally mounted on said rod and including a staple engaging portion normally extending beyond said channel slot into said magazine channel and a handle on said staple feeding element and normally extending through said open slot for manual engagement beyond said body, a spring biasing said element to feed staples to said driver slot, and a notch in the end of said open slot that is spaced from said driver slot to permit the swinging of said handle to pivot said element on said rod and swing said staple engaging portion from said magazine channel to permit the loading of the latter.

2,569,222
VACUUM CLEANER

Arnold H. Beede and Leon P. Borkoski, Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y., a corporation of Delaware

Application June 23, 1950, Serial No. 169,964
11 Claims. (Cl. 183—37)

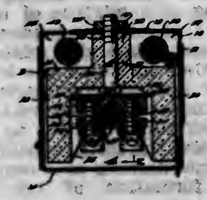


1. In a vacuum cleaner, the combination comprising a casing having an opening, means movable relative to said opening, a hose connector carried by said movable means, means for producing a flow of air through said casing, a dust bag in said casing in the path of said air flow for separating entrained dirt from said air, a member movable in response to an increase in pressure drop through said bag, a fixed track, a movable track, resilient means tending to move said movable track with respect to said fixed track, roller means disposed between said tracks for holding the latter in relatively fixed position, said roller means being displaceable by movement of said movable member to release said movable track for movement with respect to said fixed track, and control mechanism operative in response to movement of said movable track to effect movement of said first mentioned means.

2,569,223
ELECTRICAL CONNECTOR BLOCK FOR BUS DUCTS

Marsden E. Bowers, Detroit, Mich.

Application October 29, 1947, Serial No. 782,755
2 Claims. (Cl. 173—324)

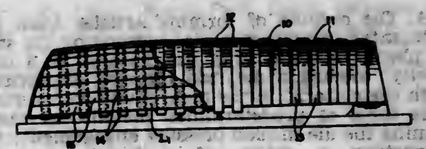


1. A connector block comprising a hollow boxlike structure of substantially rectangular form formed of insulating material and open upon one side only, walls defining a part of said structure having aligned openings extending therethrough through which an uninterrupted conductor may extend, spacing and attaching means for securing said structure to a support in spaced relation with respect thereto, including a spacing element narrower than said structure whereby conductors may extend outside the boxlike structure upon either side of said spacing element, an attaching member extending from the interior of said structure through one wall thereof and through said spacing element, clamping and connecting elements within the enclosure defined by said structure and accessible through the open side thereof, insulating means between said attaching member and said clamping and connecting elements, and common holding means for preventing separation of said attaching member and said clamping and connecting elements from said boxlike structure.

2,569,224
METHOD OF MAKING BOAT HULLS

Ralph M. Brown, Penn Yan, N. Y., assignor to Penn Yan Boats, Inc., Penn Yan, N. Y., a corporation of New York

Application November 14, 1949, Serial No. 127,225
2 Claims. (Cl. 9—6)

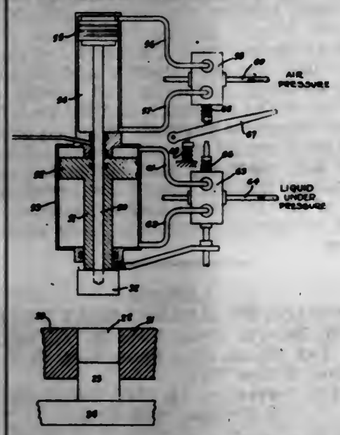


1. The method of making a laminated boat hull which comprises planking ribs with an inner layer of planking, fastening the planking to the ribs, marking on the outside of the planking the location of the ribs, applying a plastic film layer over the marked planking, said layer being sufficiently transparent to view the marking therethrough, applying one plank at a time of an outer layer of planking, fastening the outer layer of planks by fasteners passed through the outer planks, through the film and inner layer of marked planks, locating the fasteners by the marks on the inner planks visible through the plastic film, whereby the fasteners of the outer planks are guided into the ribs.

2,569,225
METHOD OF FORMING URANIUM MONOCARBIDE
James H. Carter, Blacksburg, Va., and Adrian H. Daane, Ames, Iowa, assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application March 26, 1947, Serial No. 737,430
10 Claims. (Cl. 23—14.5)

9. A process for producing uranium monocarbide, comprising reacting a uranium- and carbon-containing mixture selected from the group consisting of a mixture of uranium plus carbon in which uranium is present in at least stoichiometric amounts and a mixture of uranium, UC_2 and U_2C_3 in which the total uranium is present in at least stoichiometric proportions as to uranium monocarbide by heating the mixture to a temperature sufficient to bring about reaction but below the melting point of metallic uranium, and maintaining said temperature for reaction and formation of uranium monocarbide.

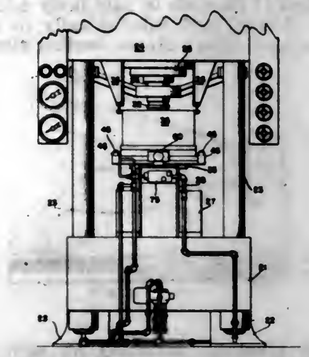
2,569,226
METHOD OF PRODUCING ARTICLES FROM POWDERED MATERIAL
Willard K. Carter, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application January 11, 1946, Serial No. 640,488
4 Claims. (Cl. 18—55)



4. The method of forming articles from disintegrated ceramic material comprising the steps of placing a quantity of the material in a mold cavity; moving a die into pressing engagement with the material in the mold cavity with a yieldable force of predetermined magnitude; maintaining the die in such pressing engagement; and imparting a series of material-compacting thrusts to the die with a positive force of greater magnitude than the first force while the material pressing engagement of the die is being yieldably maintained.

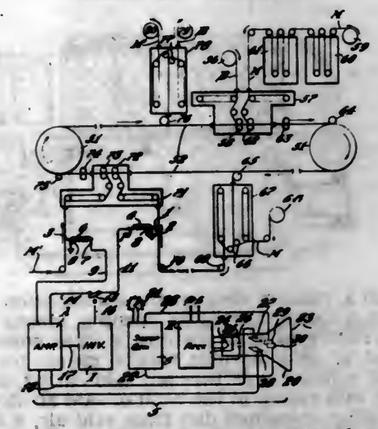
2,569,227
APPARATUS FOR TRANSFERRING POWDERED MATERIAL
Willard K. Carter, Columbus, Ohio, assignor to The Denison Engineering Company, Columbus, Ohio, a corporation of Ohio
Application December 6, 1947, Serial No. 790,165
5 Claims. (Cl. 18—30)

3. Apparatus for transferring pulverulent material from a loading point to a discharge point comprising a plate-like support; a member having side and end pieces connected to form a compartment, said member being disposed on said support for movement between loading and discharge points; an agitator having longitudinally extending side bars and spaced bars extending transversely therebetween, said agitator being movable for a limited distance in said compartment; a power cylinder operative to reciprocate



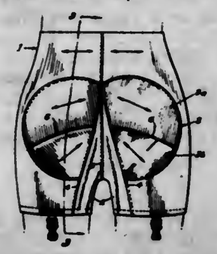
said member and agitator between loading and unloading positions; connecting means between said power cylinder and said member and agitator, said means permitting limited movement of said agitator by said power cylinder while said member is stationary; and valve means functioning to effect limited forward and reverse operation of said power cylinder to move said agitator relative to said compartment-forming member.

2,569,228
DEVIATION DETECTOR APPARATUS FOR FILM REGISTRATION
Lauriston E. Clark, Los Angeles, Calif., and Leslie W. Oliver, Gerrards Cross, England, assignors to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application February 16, 1949, Serial No. 76,778
4 Claims. (Cl. 177—311)



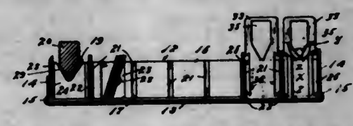
1. In the art of feeding a plurality of motion picture film strips along paths with the record at any location on one film strip disposed in predetermined relation to a coincident record on another film strip, apparatus for detecting deviation of the records from said predetermined relation comprising a signal-initiating element carried by each of the strips, an electrical detector adjacent the path of each of said strips at points defining said predetermined relation, said detector being responsive to said element to generate an electrical signal on passage of an element thereby, and an oscillograph actuated by the detectors for presenting the signals initiated by the elements in a spaced relation which indicates the actual relation of coincident records on the several strips.

2,569,229
GIRDLE TYPE GARMENT
Daisy Cooper, Washington, D. C.
Application May 31, 1949, Serial No. 96,232
3 Claims. (Cl. 2—43)



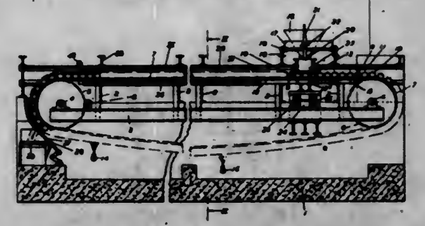
2. A figure-controlling garment comprising a girdle-type of body adapted to encircle the waist portion of a wearer, a pair of elastic pocket-like compound inserts in the rear of the body, a crotch portion, said crotch portion extending vertically upwardly intermediate the inserts, the said inserts being secured to the crotch portion on each side thereof and cooperating therewith to maintain the inserts positioned over the cheek portions of a wearer's buttocks, each of the inserts including a pair of complementary sections disposed on a bias relative to each other, seam means interconnecting the inserts with the sides of the crotch portion, and a median seam interconnecting the complementary sections of the inserts, each of the said complementary sections being independently stretchable in different directions relative to each other corresponding to different bodily movements of the buttocks, the said inserts preserving the natural contour of the buttocks beneath the inserts and continuously restraining the garment against upward movement relative to the wearer during wearing of the garment.

2,569,230
GALLEY FOR HANDLING MATRICES
George L. Curie, Minneapolis, Minn., assignor of one-third to Leonard G. Olander and one-third to Lawrence W. Morris, both of Minneapolis, Minn.
Application December 9, 1946, Serial No. 715,061
10 Claims. (Cl. 276—38)



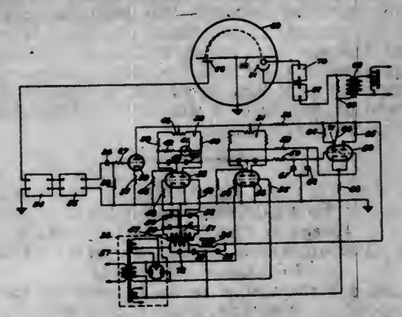
1. A galley in the form of a shallow tray having therein a channel for holding upright matrices having in their upper ends V-shaped notches with combination teeth on the sides thereof, a removable head member in each end of the channel and having a passageway, the lower portion of which is in the form of a V aligned with the V notches in the matrices, and a long single hand-manipulated service bar, the under side of which is V-shaped in cross-section and having in the sides thereof longitudinal grooves, said service bar at either end being insertable into either one of the head members which aligns the grooves in the service bar with the combination teeth in the matrices.

2,569,231
APPARATUS FOR MOLDING PRESTRESSED REINFORCED CONCRETE ELEMENTS
Kornelis Reinhold Danhof, London, England, assignor to Concrete Patents Limited, London, England, a British company
Application June 5, 1950, Serial No. 166,175
In Great Britain June 10, 1949
3 Claims. (Cl. 25—99)



1. Apparatus for manufacturing prestressed reinforced concrete elements comprising a flexible endless conveyor, a series of mould parts hinged to said conveyor about parallel axes, means for filling in succession the moulds, the side walls of which are constituted by juxtaposed mould parts, a pair of trolleys spaced from the ends of each said mould, means for anchoring reinforcing elements through the moulds to the respective trolleys, said trolleys being operatively connected to said moulds to travel therewith during the moulding operation, and rails for said trolleys, which rails first diverge whereby said reinforcements are stressed and subsequently are parallel, whereby the stress is maintained during moulding, means for curing the concrete in the moulds, and means for moving said conveyor at right angles to said axes through a downward arc, whereby the mould parts are separated and the cured elements released from the moulds after the reinforcement has been severed between the end walls and the respective trolley.

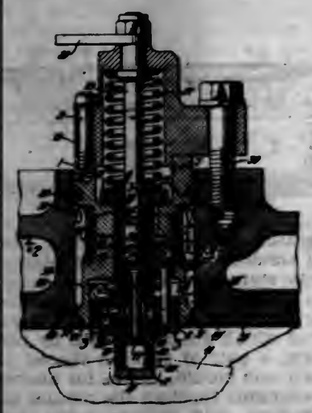
2,569,232
FILTER
Robert De Liban, Menlo Park, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application February 15, 1950, Serial No. 144,369
6 Claims. (Cl. 250—41.9)



1. In an automatic stabilizing circuit for a mass spectrometer whose accelerating anode has

a D. C. and an A. C. voltage impressed thereon, means for detecting the phase of the signal at the collector plate of said mass spectrometer, and means responsive to the output of said phase detecting means for controlling the accelerating anode D. C. voltage.

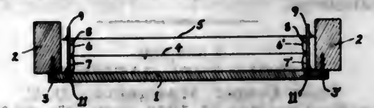
2,569,233
FUEL INJECTION PUMP
John Dickson, Huntington Woods, and Kenneth L. Hulsing, Plymouth, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1947, Serial No. 774,636
10 Claims. (Cl. 103—41)



1. A fuel injection pump comprising a cylinder, a pair of telescopically disposed plungers therein, spring means normally positioning the plungers in spaced relation to form a fuel pumping chamber therebetween, one plunger being movable by fluid pressure in the cylinder toward the other plunger against the action of the spring means on a fuel discharge stroke, said cylinder having fuel inlet and return passages, said plungers having fuel inlet, return and discharge passages, the fuel inlet and return passages of the cylinder and plungers registering when the movable plunger is moved by the spring means to the normal position in order to completely fill these passages and the pumping chamber with fuel, said movable plunger upon movement in the first part of the discharge stroke cutting off communication of the cylinder fuel inlet and return passages with the pumping chamber and thereby trapping and compressing the fuel therein and further movement of the movable plunger on the fuel discharge stroke establishing momentary communication between the pumping chamber and the plunger inlet, return and discharge passages thereby causing momentary discharge of compressed fuel from the pumping chamber and retrapping and compressing the remaining fuel therein to stop further movement of the plunger on the discharge stroke.

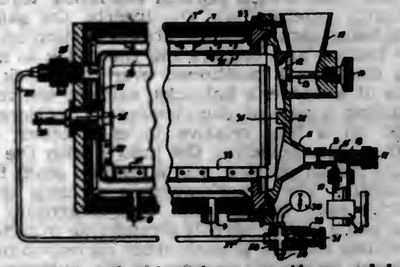
2,569,234
HEAT-INSULATING UNIT
Joseph L. Finck, Brooklyn, N. Y.
Application March 11, 1947, Serial No. 733,851
4 Claims. (Cl. 20—4)

1. In a structure, a series of parallel framing members, a heat-insulating unit between the framing members comprising a base sheet fastened to the edges of two consecutive framing members, a second sheet extending substantially parallel to and spaced from the base sheet between the two consecutive framing members, flexible side sheets, spaced and oppositely disposed with respect to each other and coextensive with the aforementioned sheets and connecting them together so as to provide an air cell, the second sheet extending beyond the side mem-



bers and having grippable elements on the extensions, and the base sheet having apertures in register with said grippable elements, and stiff spreader elements securely fastened to the two consecutive framing members, said spreader elements extending through the apertures in the base sheet and engaging the grippable elements on the second sheet, whereby the second sheet is maintained spaced from the base sheet.

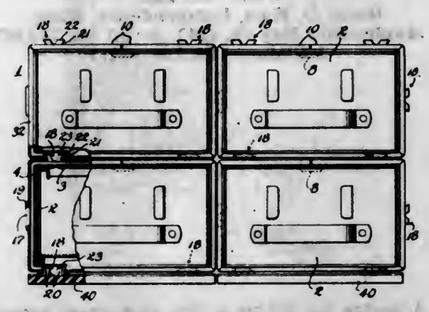
2,569,235
REGULATING AIR-CHARGING MEANS FOR ICE-CREAM FREEZERS
Tito Giusti and Raolo Benvenuto Giusti, London, England
Application December 16, 1949, Serial No. 133,232
In Great Britain December 29, 1948
3 Claims. (Cl. 259—9)



1. Apparatus for freezing, aerating and beating, a charge of ice-cream mix, of the kind comprising a refrigerated mixing chamber, to receive the whole of the charge, beating and scraping means revolvably arranged in said chamber, an inlet aperture and an outlet aperture on the chamber for the ice-cream mix, and means for supplying compressed air to the chamber, characterised by a spring-loaded non-return valve on the chamber arranged in the air supply means to prevent entry of the ice-cream mix into the air supply, and an adjustable constant-pressure control valve arranged in the air supply means and serving to keep the pressure of said air supply constant, whereby when the chamber is charged with a given quantity of ice-cream mix, the quantity of air incorporated therein depends upon the pressure of the air supply and constant proportions can be maintained for successive charges by maintaining the said air pressure constant.

2,569,236
INTERLOCKING DRAWER HOUSING
Elmer C. Haka, Morrow, Ohio, assignor to Snap-On Drawer Company, Morrow, Ohio, a corporation of Ohio
Application August 10, 1949, Serial No. 109,593
9 Claims. (Cl. 312—111)

8. A housing for accommodating a sliding drawer therein, said housing being four-sided, opposite sides thereof being substantially parallel, pairs of spaced inverted channels extending transversely of and secured to oposite sides of said housing, the channels of one pair being opposite the channels of the other pair, each web of the pair of channels on one of said sides being provided with at least one aperture and each web of the pair of channels on the opposite side being provided with at least one resilient protuberance disposed in the same relative location



as the aperture in the opposite pair of channels, each protuberance being so constructed as to snap through and be engaged by an aperture corresponding in size to the apertures in said channel webs, whereby one such housing may be secured to another similar housing by snapping the protuberances on one side of one housing through the apertures in the webs on a corresponding but opposite side of said similar housing.

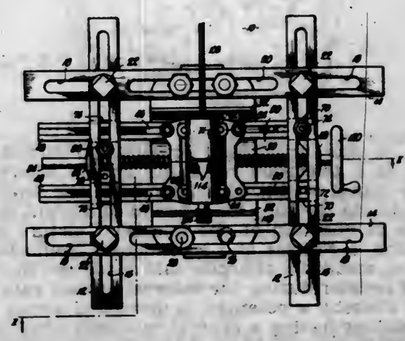
2,569,237
EAR CLEANING INSTRUMENT
John M. Hall, New York, N. Y.
Application February 28, 1950, Serial No. 146,709
5 Claims. (Cl. 128—304)



5. An ear cleaning instrument comprising a continuous loop of wire bent to provide parallelly extending side portions, said side portions continuing into spaced parallel grasping portions on the same plane as said side portions, said grasping portions continuing remote from said side portions into an inwardly directed portion disposed centrally between said grasping portions for adding substance to said grasping portions, said inwardly directed portion being on the same plane with said grasping portions and the junction of said grasping portions with said inwardly directed portion being flattened to extend at right angles to said grasping portion.

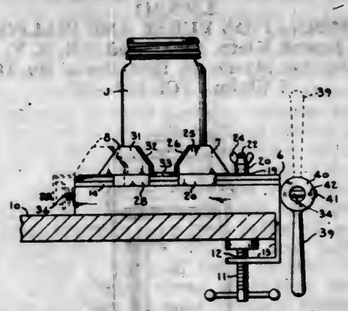
2,569,238
MACHINE TOOL FOR ENGINE BEARINGS
Joseph N. Harber, Jr., Seminole, Okla.
Application March 1, 1948, Serial No. 12,427
2 Claims. (Cl. 90—12)

1. A bearing insert trimmer comprising a frame including a pair of spaced, elongated, longitudinally slotted bars; releasable means in the slot of each bar respectively and slidable therein when released for joining a bearing having an insert to said pair of bars; a second and a third elongated, longitudinally-slotted bar, both crossing said pair of bars; releasable means within the slots of the bars at each point of crossing respectively and slidable therein when released for interconnecting the bars; a pair of spaced guides disposed in parallelism with said pair of bars; a pair of brackets for the guides; releasable means in the slot of said second bar and slidable therein when released for joining one of the brackets and the guides to said second bar; releasable means in the slot of said third bar and slidable



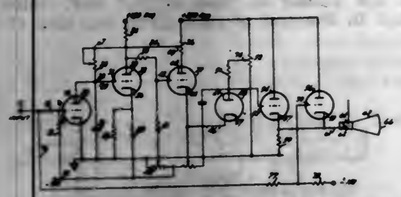
therein when released for joining the other bracket to the third bar, said guides being slidable on their longitudinal axes in said second bracket; a cutter body carried by the guides for reciprocation on said axes of the latter; a rotatable cutter on the body disposed for cutting engagement with said bearing insert upon reciprocation of the body; and an elongated screw rotatably carried by the brackets and operably connected with said body for reciprocating the same.

2,569,239
JAR VISE
Vernon E. Holmen, Cameron, Wis.
Application January 12, 1948, Serial No. 1,862
2 Claims. (Cl. 81—3.32)



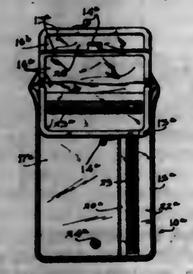
1. In a jar vise, the combination of a base member, of a pair of jaws mounted on said base member, means for securing one of said jaws in a fixed position on said base member, the other of said jaws being slidably mounted and guided on said base member and having a threaded portion, an operating rod slidably mounted on said base member and having a threaded end adjustably mounted in said threaded portion, manually operable cam means associated with said rod and engageable with said base member for moving said slidable jaw to a jar clamping position, and spring means for returning said slidable jaw to a release position.

2,569,240
LINE BRIGHTNESS EQUALIZATION CIRCUIT
George W. King and Frank N. Gillette, Pleasantville, N. Y., assignors to General Precision Laboratory Incorporated, a corporation of New York
Application July 20, 1950, Serial No. 174,904
14 Claims. (Cl. 315—22)



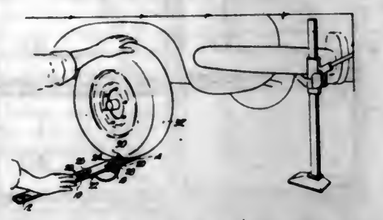
1. A line brightness equalization circuit for use in a television recording system wherein a gate signal is utilized to illuminate the screen of a cathode ray tube for a period equivalent to the time of duration of one television picture comprising, a resistor and a condenser connected in series, means for charging said condenser through said resistor during the interval of said gate signal whereby a potential is developed across said condenser having a general sawtooth wave form, means for amplifying and inverting said sawtooth potential, a rectifier means connected to the output of said amplifier inverter means so poled and having such a direct current bias imposed thereon as to transmit only such portion of said sawtooth potential as departs from a selected level, a coincidence circuit having an output connected to an intensifying electrode of said cathode ray tube and a plurality of inputs on which are impressed said gate signal and the portion of said sawtooth wave form transmitted by said rectifier means whereby the potential impressed on the intensifying electrode of said cathode ray tube is a composite of the potentials of said gate signal and the transmitted portion of said sawtooth wave potential.

2,569,241
COMBINATION PURSE AND BILLFOLD
Joseph Klein, Richmond Hill, N. Y.
Application March 24, 1948, Serial No. 16,689
1 Claim. (Cl. 150—35)



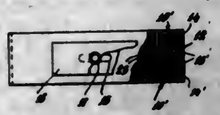
A combination purse and billfold comprising a billfold and a two compartment pocketbook adjacent one side of said billfold and having a three element hinged frame, one element of said frame being secured to a wall of said pocketbook and an adjacent wall of said bill fold, said bill fold having two chambers for receiving paper money, the inner of said chambers opening into the adjacent compartment of the pocketbook through a slot common to the walls thereof, said adjacent compartment being of a depth less than half the length of said bill fold, a slide fastener for closing said slot and being operable from inside of the said adjacent compartment of said pocketbook, the other compartment of said pocketbook being as deep as said bill fold is long, and male and female snap fastener parts for holding said bill fold folded against said pocketbook.

2,569,242
TIRE LIFTER
Harry D. Kors, Independence, Kans.
Application May 26, 1947, Serial No. 750,567
1 Claim. (Cl. 254—131)



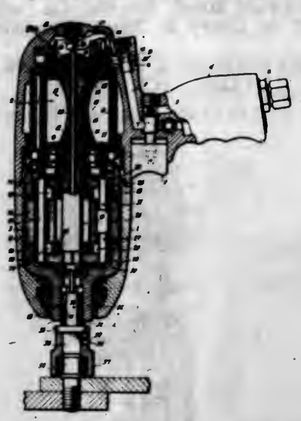
A device for lifting a tire and wheel assembly to and from a position in alignment with an automobile axle, said device comprising a single, elongated bar having a curved portion at one end thereof conforming with the transverse contour of the tire of said assembly, one face of the bar being beveled to present a sharpened edge; a laterally extending cut-out portion forming an integral part of said bar and presenting a tire-receiving stop on the other face of the bar adjacent the innermost end of said portion; a semi-circular fulcrum member on said one face of said bar, and extending from said portion toward the opposite end of the bar, the bight of said member being elliptical-shaped and appreciably wider than the bar, said member progressively decreasing in width as the ends of the legs thereof are approached; an out-turned flange on each leg respectively of the member; and means for releasably securing said flange to the bar.

2,569,243
FILTER
Julius P. Kovacs, Newark, N. J., assignor to Purolator Products, Inc., Newark, N. J., a corporation of Delaware
Application December 15, 1945, Serial No. 635,287
6 Claims. (Cl. 210—169)



6. A filtering element comprising two parallel adjacent units each consisting of a pleated strip of filtering material having corrugations extending transversely in each pleat, a frame enclosing both said units and engaging the strip edges thereof to form oppositely facing pockets with facing folds of the pleats of each unit substantially parallel with a common plane, a drainage tube in one wall of said frame, and a spacing member between said units, said spacing member consisting of two plates having registering cut-out portions in one edge communicating with said drainage tube, and a plurality of rows of diagonally arranged slots in each plate with the slots of one plate extending substantially at right angles to the slots of the other plate.

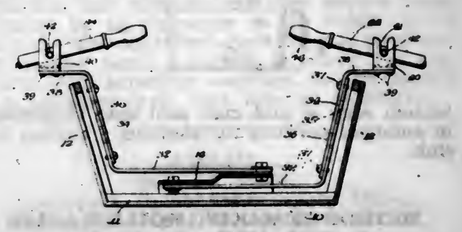
2,569,244
PORTABLE POWER-DRIVEN TOOL
Gilbert B. Larson, Geneva, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application April 20, 1945, Serial No. 589,424
3 Claims. (Cl. 81—54)



1. In a portable power operated impact wrench, a fluid actuated rotary motor, a rotatable spindle driven by said motor, axially shiftable socket means operatively connected with said spindle for engaging a nut to be turned, manually operable means for supplying motive fluid to the motor, an inlet valve for controlling the admission of motive fluid to the motor, said inlet valve comprising a one-piece shiftable valve member and spring means normally urging said valve member to closed position, said valve member being formed with by-pass porting means for admitting a limited supply of motive fluid to the motor when the valve member is in closed position whereby to permit said motor to operate at idling speed for facilitating engagement of said socket means with the nut to be turned while said socket means is rotating at a relatively low speed, an elongated valve-actuating member extending through said spindle and said motor in axially slidable relation therewith and operatively connected at one end thereof with said socket means, and means operatively connecting the opposite end of said valve actuating member with said valve member to effect opening of said inlet valve whereby to admit an increased supply of motive fluid to the motor for operating the latter at a relatively high nut-driving speed, said valve-actuating member being axially slidable into valve-opening position in response to movement of the wrench and the socket means axially against the nut to be turned.

2,569,245
FORWARD ROWING MECHANISM
Otto Malcher, Chicago, Ill.
Application December 3, 1947, Serial No. 789,402
13 Claims. (Cl. 9—25)

7. In a forward rowing mechanism for boats, a plate having offset ends for attaching it to cross pieces to project upwardly in a boat, pivots at opposite sides of the plate and located relatively at opposite sides of the longitudinal center line of a boat, one pivot extending upwardly and the other pivot extending downwardly from the plate, an arm mounted in each of the pivots and extending along the bottom across the center line to the said opposite side of a boat, one arm being mounted below the plate and the other arm being mounted above the plate, each arm having a portion extending upwardly at the side of the boat and bent outwardly over the top of that side, an oar having a pivot connected



near the handle end, and means in the extending portion of the arm for engaging the pivot so the arm will swing up and down in the arm but will be held in alignment with the arm and against relative lateral movement with respect thereto to move bodily with the arm in a forward and rearward rowing movement.

2,569,246
COMBINED EYELASH CURLER, MASCARA APPLICATOR, AND REMOVER
Ada C. Marcellus, New York, N. Y.
Application March 2, 1949, Serial No. 79,185
6 Claims. (Cl. 132—32)

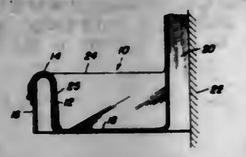


1. In an appliance of the class described having a pair of pivotally connected supports with a shield fixedly mounted on the top end of one of the supports and a traveler slidably mounted on that one support and connected to the other support to be moved toward and away from the shield as the supports are pivoted relative to one another, a holding device mounted on the other support just below its point of attachment to the traveler, spaced resilient gripper jaws extended upward from said holding device slightly spaced from the rear of the traveler, an arcuate applicator positioned substantially above the traveler, and a handle extended rearward from said applicator in alignment with the space between said gripper jaws and being of a width greater than the space between said jaws, said handle having a reduced neck portion engaged between said gripper jaws mounting said applicator in position on said holding device.

2,569,247
POT AND SINK PROTECTOR
Frank Mazzola, Bronx, N. Y., and Michele Mazzola, Cresskill, N. J.
Application May 17, 1948, Serial No. 27,437
3 Claims. (Cl. 4—187)

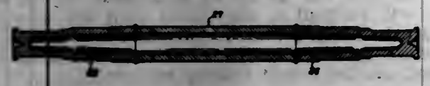
1. A pot and sink protector comprising a mat of pliant flexible material of a size for reception upon the side of a sink, suction cups carried by the under surface of said mat for securing the mat inwardly of its corners to the inner and outer

sides of a sink, tabs carried by said cups and extending beyond the rim of said mat for releasing said cups and an integral reinforcing bead on the



bottom edge of said mat, said bead terminating in enlarged portions for abutting a surface of a sink.

2,569,248
METHOD OF MAKING HOLLOW AXLES
George Lee Miller, Canton, Ohio
Application February 11, 1946, Serial No. 646,897
2 Claims. (Cl. 29—165)



1. The method of making a hollow axle which consists in providing a billet blank of proper size to form one-half portion of the axle, heating the blank to forging temperature, forging the hot blank to produce an elongated straight forging having a tapered, longitudinal opening located through one end of the forging and terminating near the other end thereof, forcing the forging through a series of draw heads of progressively smaller diameters to increase the length and reduce the outside diameter of the forging and form the tapered opening therein to a predetermined size, trimming the open end of the forging, forming a turning center in the closed end of the forging and rough machining a journal bearing and wheel seat adjacent to said closed end, placing the trimmed end of the forging in a welding position relative to the trimmed open end of a similar forging and welding said forgings together and trimming the exterior forging flash, then heating, quenching and tempering the axle to retain the residual compressive stresses on the outside of the axle and to obtain a relatively tough and normal structure of the inside walls of the hollow section of the axle that has not come in contact with the quenching medium, because of the closed ends, and finally finishing the journal bearings, wheel seats and overall length.

2,569,249
STATIC DISCHARGE DEVICE
Monroe E. Miller, Washington, D. C.
Application November 17, 1949, Serial No. 127,945
2 Claims. (Cl. 320—1)



1. A device of the character described comprising an envelope, two electrodes therein, and conductive powder in and only partially filling said envelope, said envelope being of such form that the powder in the operative position of the envelope gravitates in opposite directions to and in contact with the electrodes from a point between them, and said powder being sufficiently fine so as to be repelled from the electrodes by electrical charges received therefrom.

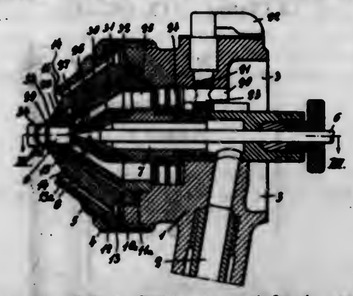
2,569,250
DEHORNING DEVICE
Samuel Stewart Mims, Atlanta, Ga., assignor of one-half to Henry B. Mims, Houghton Lake, Mich.
Application November 3, 1949, Serial No. 125,321
1 Claim. (Cl. 219—29)



An electric dehorner comprising a tubular casing having a first portion of greater diameter than the second portion thereof, a handle connected to one end of said second portion, a bearing element secured to the first portion of said casing adjacent one end thereof, said bearing element extending within said first portion, an electrically insulative cylinder surrounding a portion of said bearing element, a dehorning tip, said tip including a shank disposed in said element, means carried by said element and engaging said shank releasably holding said shank in said bearing element, one end of said shank having a recess therein constituting a pocket within which a small animal horn is adapted to be accommodated, the portion of said shank having said recess located outwardly of said bearing element, an electrically operative heating element surrounding said cylinder, a bonnet secured at one end thereof to said second portion and extending about and encompassing said first portion, and said bonnet being formed with a plurality of spaced fins.

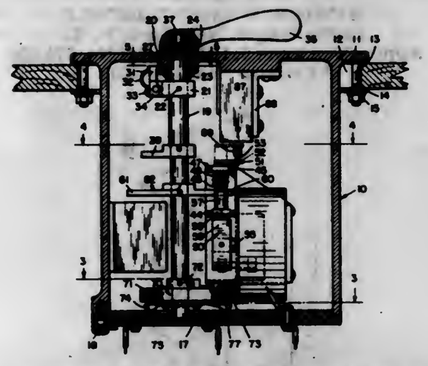
2,569,251
SPRAYING DEVICE AND OPERATION THEREOF
Felix Nieburg, Stockholm, Sweden, assignor to Aktiebolaget Colorator, Stockholm, Sweden, a corporation of Sweden
Application December 10, 1946, Serial No. 715,313
In Sweden January 17, 1946
7 Claims. (Cl. 299—141)

1. In a spraying device means providing an atomizing chamber, means for supplying liquid to said chamber, means for supplying gaseous atomizing fluid to said chamber, a spray jet nozzle having a slot-like orifice communicating with said chamber for projecting a fan-shaped spray jet of aerated atomized material and means for modifying the form of said spray jet after its emergence from the nozzle comprising a first group of orifices comprising at least one orifice at each side of said spray jet, said orifice being disposed to direct jets of pressure fluid forwardly in the general plane of the spray jet and in directions diverging from the opposite edges of the spray jet for creating a suction effect tending to widen the spray and a second group of orifices comprising at least one orifice at each side of said spray jet, the orifices of said second group being located at a greater radial distance from the axis of the spray jet than the orifices of the first group and being disposed to direct jets of pressure fluid forwardly in the general plane of the spray jet in directions converging toward the opposite edges of the spray jet to narrow the spray,



passages admitting fluid separately to each of said groups of orifices, said groups of orifices being so disposed that the converging and diverging pressure jets at the respective sides of the spray jets intersect to produce resultant forming jets projecting forwardly in the general plane of the spray jet and in directions relative to the axis of the spray jet determined by the relative strengths of the converging and diverging pressure jets and valve means for separately controlling the supply of pressure fluid to said first and said second groups of orifices to thereby regulate the direction of said resultant forming jets.

2,569,252
CONTROL FOR ENCLOSED INTERNAL-COMBUSTION ENGINES
Carl J. E. Omeron, Los Angeles, Calif.
Application September 7, 1948, Serial No. 48,018
15 Claims. (Cl. 123—179)



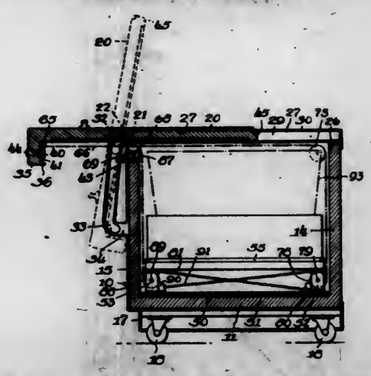
1. A device for controlling the operation of an internal combustion engine mounted in a compartment requiring ventilation, said engine having an electrically energized starter-ignition circuit and an electrically energized compartment ventilating circuit and a source of electrical energy, said device comprising: switch means mounted electrically to connect said ventilating circuit to said source of electrical energy in one position of said switch means, and to connect said starter-ignition circuit to said source in a second position of said switch means; said switch means having an "off" position intermediately of said second position and said one position; stop means mounted to arrest the movement of the switch means at said one position from said "off" position; and time control means actuated by an operation of the switch means from the "off" to the one position, said time control means being mounted to move the stop means from arresting condition on the passing of a predetermined time interval thereafter.

2,569,253
SANDER TOOL
Herman T. Opland, Minneapolis, Minn.
Application May 8, 1950, Serial No. 160,610
8 Claims. (Cl. 51—187)



1. In a tool of the class described comprising a body including a top, a bottom, a front end and a rear end, the body provided with a bore adjacent the front with a first slot in the front communicating with said bore, a movable means having a handle mounted in said bore, the top and front ends provided with a groove communicating with said bore adapted to receive the handle of the movable means, a stop means mounted in said movable means, the handle provided with a slot in its lower end coacting with said stop means for limiting the adjustments of said handle in the groove in the top of the body, the rear end of the body provided with a second slot and a wedge carried in the second slot.

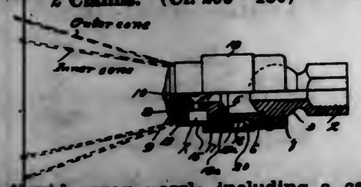
2,569,254
INSULATED POSTING TRAY CABINET
John H. Page, Muskegon, Mich., assignor of an undivided interest to Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application March 15, 1949, Serial No. 81,533
9 Claims. (Cl. 312—272)



4. In a cabinet, a compartment having an opening at the top, and a cover therefor, guide means affording continuous sliding and tilting movement of said cover from its closed horizontal position over said opening to a fully open position along one side of the compartment, and vice versa a record-supporting platform vertically movable in said compartment, and a plu-

rality of flexible members operatively connecting said cover and said platform for raising the latter to a relatively exposed position by movement of the cover to fully open position, and lowering said platform when said cover is closed, said flexible members each including yieldable sections adjacent the ends which are connected to said platform, to afford limited extension of said flexible members while the cover is being initially removed and finally replaced by horizontal sliding movement along said top opening.

2,569,255
SHOWER HEAD
Robert J. Pagliuso, Glendale, Calif.
Application April 13, 1946, Serial No. 661,961
2 Claims. (Cl. 299—130)



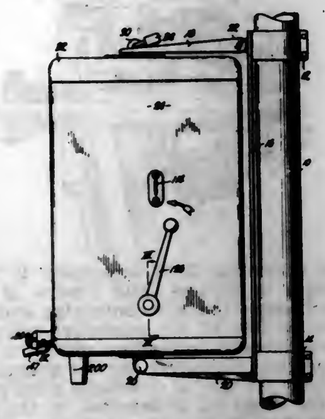
1. A liquid spray nozzle including a central, cylindrical, hollow body having a reduced outer nose end which has radial ports to the space thereabout for liquid flow from the hollow body, a sleeve surrounding and sliding on a portion of the body and having an inwardly projecting key, said body having an external splineway in which the key slides, a cylindrical tip fixed on the end of said nose and having longitudinal narrow inwardly converging V-shaped discharge channels along its periphery and leading from the said space, the said sleeve telescopically fitting said tip to cover or uncover its channels to vary the discharge area thereof, and an actuating member mounted for rotation on said body and threaded on said sleeve for axially shifting the sleeve as to the channeled tip.

2,569,256
GLASS CUTTING APPARATUS
Vincent Palmer, Kansas City, Mo.
Application August 15, 1949, Serial No. 110,271
3 Claims. (Cl. 33—32)



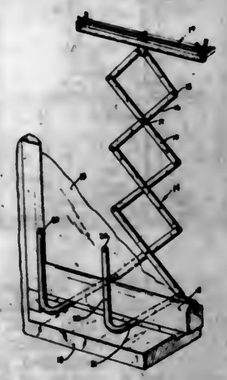
1. In glass cutting apparatus, a base; an upright backing member; an elongated guide on the backing member in spaced parallelism to one face thereof and perpendicular to the base; structure slidably receiving the guide at one end thereof for movement on the longitudinal axis of the latter; means swingably securing said structure to said one face of the backing member; releasable mounting means for the guide at the opposite end thereof; and a cutter head mounted on the guide for reciprocation between said structure and said mounting means.

2,569,257
HOT COFFEE DISPENSER
Ralph E. Parker, Wichita, Kans.
Application June 17, 1948, Serial No. 33,496
3 Claims. (Cl. 225—21)



1. In a dispenser of the kind described, an ingredient container; reciprocable structure for vending said ingredient from the container in measured quantities; shiftable means normally engaging said structure for holding the same against reciprocation; and manually operable means for releasing said holding means, said holding means having parts for yieldably holding the same in either the normal position or the released position.

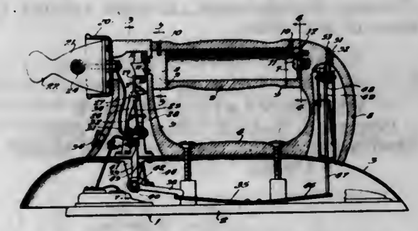
2,569,258
WINDOW WASHING DEVICE
Lottie Prager, New York, N. Y.
Application June 5, 1946, Serial No. 674,602
9 Claims. (Cl. 15—121)



1. In a window washing device having a vertical lazy tong structure for extension along the outer surface of a window pane and terminating at its top end in a vertical stud, a horizontal pair

of spaced parallel arms one for supporting a wiping cloth and the other for supporting a rubber squeegee, a bridging piece connecting said arms intermediate of their ends and formed with an opening through which the stud rotatively extends, means retaining said bridging piece rotatively in position on said stud, and means for holding said bridging piece in turned positions on said stud with either of said arms engaging the window pane, said holding means comprising a square block mounted on said stud above said bridging piece, said square block being mounted on said stud with a line extending through a pair of opposed corners extended parallel to said arms when one thereof engages the window pane, and spring detent strips mounted at their one ends on said bridging piece and having their free ends engaging and gripping said opposed corners.

2,569,259
ELECTRIC FLATIRON
August C. Purpura, Chicago, Ill.
Application April 21, 1945, Serial No. 589,544
3 Claims. (Cl. 219—25)



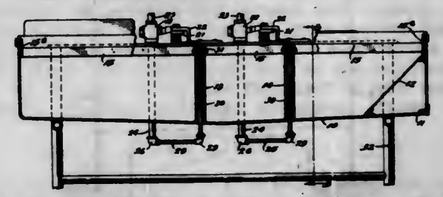
2. In a flat iron, a main body member, two posts rising from said body member in spaced relation to each other along the longitudinal center of the iron, two blocks mounted on the inner sides of said posts, near the upper ends of the latter for rotation about a common axis, and a handle part adapted to be grasped in the hand in using the iron, said handle part having sockets entering through the under side at the ends to receive said blocks, the parts being so proportioned that said blocks can enter said sockets from below and, when so entered, are thereby interlocked with said handle part to prevent relative rotation between the blocks and said handle part.

2,569,260
FINGER-OPERATED BOXING TOY
Harry Schechtel, Los Angeles, Calif.
Application November 29, 1946, Serial No. 712,743
3 Claims. (Cl. 46—142)



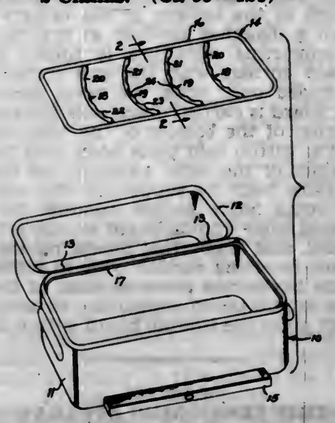
1. A boxing toy comprising: a base; a pair of parallel frame members extending across said base; a pair of cut-out members representing human figures extending upwardly from between said frame members in face-to-face relation, each figure having one foot ahead of the other; a pivot ear extending downwardly from the forward foot of each figure between said frame members; a pivot pin extending through said frame members and through each of said ears; a substantially rigid connecting member extending between said ears below the plane of said pivot pins; and means for moving said connecting member downwardly to cause said figures to swing toward each other.

2,569,261
DRIP SAVER STRUCTURE
Vergil Schwarzkopf, La Grange, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application October 22, 1948, Serial No. 56,006
6 Claims. (Cl. 34—69)



1. In apparatus for recovering cream from cream cans and the like in which a tank is equipped with spaced guides for receiving upended cream cans and in which a valve-actuating arm is provided for controlling the flow of washing fluid, a tube extending through said tank and having its lower portion sealed to the bottom wall of the tank, a fluid tube communicating with said valve and extending through said tube in spaced relation thereto, and a hood fixed to the top end of said pipe above said tube and having downwardly and laterally-extending walls providing a shield over the upper open end of said tube.

2,569,262
FOOD SUPPORTING CRADLE
William Sklavenitis, Geneva, Ill.
Application July 25, 1949, Serial No. 106,534
2 Claims. (Cl. 99—426)



1. A food supporting cradle adapted for use with a roaster having a seating ledge, comprising a frame having spaced side and end members, a plurality of arcuately shaped hangers extending in spaced apart relation across said frame, the arcuate shape of said hangers being such that together with said frame providing a cradle sloping in a downward direction with respect to both the length and width thereof, food receiving recesses in the upper edges of said

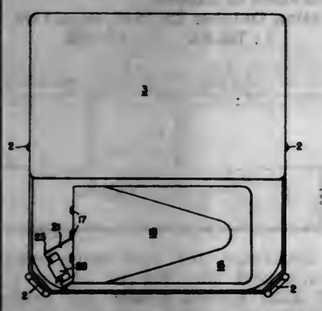
hangers, certain of said recesses being of scalloped configuration, and prongs formed at the junctures of said scalloped recesses.

2,569,263

COMBINED KITCHEN TABLE AND FOLDING IRONING BOARD

Peter P. Springer, Davenport, Iowa, assignor of one-half to Gerard J. Timmerman, Davenport, Iowa

Application January 26, 1948, Serial No. 4,338
8 Claims. (Cl. 28—105)



1. A combined table and ironing board, comprising a substantially rectangular table body having a shiftable top and a bottom spaced below the top, an ironing board comprising a main section and an outer end section hingedly connected together for movement into and out of folded position, a foldable board-supporting structure comprising hingedly connected parts, one secured to the bottom of said table adjacent a corner thereof and the other fixed to the underside of said main ironing board section adjacent the hinged connection between said ironing board sections, whereby, when said ironing board is extended, said folding board-supporting structure is positioned substantially under the central portion of the ironing board, the hingedly connected parts of said board-supporting structure being connected to the bottom of the table with said board in a diagonal position so that when said board-supporting structure is folded inwardly from said corner, with the end section of the board folded over upon the main section, said ironing board is carried diagonally inwardly from said corner of the bottom of the table body into a position within said table body, and means on the bottom of the table adjacent the other end of the table body for supporting the end of said main ironing board section opposite the end to which said outer ironing board section is hingedly connected, said supporting means having its upper board-receiving portion lying in substantially the same horizontal plane as that of the upper portions of said board-supporting structure when folded to place the ironing board within the table body.

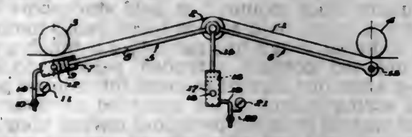
2,569,264

STRIP TENSIONING APPARATUS

Morris D. Stone and Joseph I. Greenberger, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 8, 1948, Serial No. 31,818
3 Claims. (Cl. 242—75)

1. A tensioning device for subjecting a strip to constant tension between two zones comprising a vertically movable idle roller below the strip extending transversely thereof between the two zones and constructed to bear upon the lower face of the strip and deflect it upwardly at substantially equal inclinations to the horizontal at each side of the roller, a pair of struts, at least one of which is extensible, each pivotally connected at one of its ends to and for supporting said roller and directed laterally and downwardly therefrom, one towards one and the other towards the other zone, the lower outer ends of



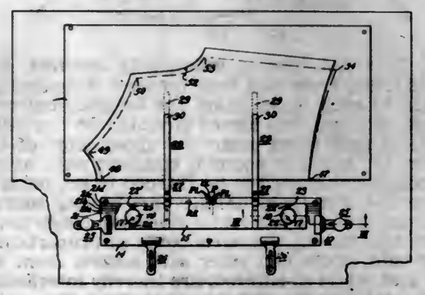
said struts being pivotally supported in fixed positions proximate to the points of upward deflection of the strip to permit said struts to maintain substantially parallel relationship with respect to said upwardly deflected strip, and means for applying a substantially constant force to said extensible strut acting between and in a line passing through the end pivots thereof to vary the distance therebetween, thereby varying the elevation of said roller.

2,569,265

PATTERN LAYOUT DEVICE

Edward B. Sudhoff, Cincinnati, Ohio

Application April 1, 1949, Serial No. 84,845
8 Claims. (Cl. 33—12)



2. A pattern layout device comprising a rule plate having means for securing a pattern thereto, means for mounting said rule plate on a board or bench on which a pattern is to be laid out, cam means for translating said rule plate in measured increments laterally of its longitudinal axis in either direction, said rule plate and cam means being bodily translatable in either direction both longitudinally and transversely of the longitudinal axis of said rule plate, means limiting the extent of bodily translation of said rule plate and cam means transversely of the longitudinal axis of said plate, and adjustable stops for limiting the extent of translation longitudinally of said longitudinal axis of said plate.

2,569,266

RIB CURVING MACHINE

Ralph N. Thompson, Lincoln Park, Mich., assignor to National Steel Corporation, a corporation of Delaware

Application October 25, 1946, Serial No. 705,591
16 Claims. (Cl. 153—32)

1. In a bending machine for longitudinally curving an elongated member to be moved longitudinally through a laterally curved path of travel located in a plane the combination comprising, endless elongated flexible holding means positioned and arranged to travel through an endless arcurate path normal to said plane and to travel in longitudinal holding relation with the member to be curved, the elongated flexible



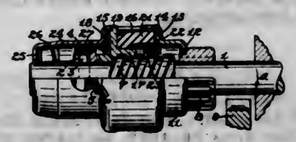
means having surfaces engaging the member to be curved, restraining means limiting flexing of the elongated flexible means, and movable means carrying said flexible holding means in said position.

2,569,267

ENGINE STARTER GEARING

Arthur R. Tobias, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware

Application June 9, 1950, Serial No. 167,103
1 Claim. (Cl. 74—7)



In an engine starter drive a power shaft, a screw shaft mounted thereon, means for connecting the screw shaft to rotate with the power shaft, a pinion slidably journaled on the power shaft for movement into and out of mesh with an engine gear, a barrel member surrounding the screw shaft, fixed at one end to the pinion and slidably journaled at its other end on the power shaft, a control nut on the screw shaft having an inclined driving connection to the barrel, and yielding means in the barrel opposing longitudinal movement of the nut on the barrel; in which the barrel is provided with diametrically arranged spiral slots, and the control nut is formed with radially extending lugs loosely fitting in the spiral slots, and the yielding means is arranged between the control nut and pinion so as to oppose longitudinal movement of the control nut in the barrel toward the pinion.

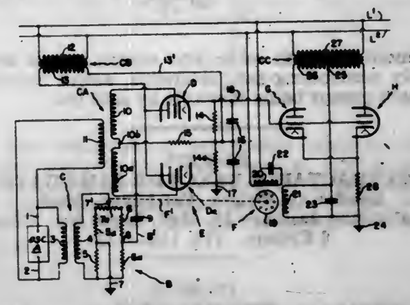
2,569,268

PHASE SENSITIVE MEASURING AND CONTROLLING APPARATUS

Rudolf F. Wild, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 13, 1947, Serial No. 768,469
18 Claims. (Cl. 318—29)

1. Measuring apparatus comprising a circuit network having an output portion and including impedance which varies in accordance with changes in a measured condition and thereby unbalances said network, a relatively high frequency signal generator having an output circuit which is connected to and energizes said network, the latter, when so energized, being operative to produce in said output portion an unbalance signal of a magnitude dependent upon the extent of network unbalance and of solely one phase or the opposite phase depending upon the direction of network unbalance, a transformer having a primary winding connected to said output circuit and energized with voltage of solely a predetermined one of said phases and having a secondary winding including a center-tap connection dividing said secondary winding into first and second halves, a first circuit means connecting a first detecting device and a first resistor in series with said first half of said secondary winding and said output portion and operative to produce across said first resistor a unidirectional voltage resulting from current flow through said first detecting device and having a magnitude dependent upon that of the resultant of the voltage across said first half of said secondary winding and said unbalance signal, a



second circuit means connecting a second detecting device and a second resistor in series with said second half of said secondary winding and said output portion and operative to produce across said second resistor a unidirectional voltage resulting from current flow through said second detecting device and having a magnitude dependent upon that of the resultant of the voltage across said second half of said secondary winding and said unbalance signal, the latter being substantially in phase with the voltage across one of said halves of said secondary winding and being substantially 180° out of phase with the voltage across the other of said halves of said secondary winding, and modifying means operative to modify periodically said current flow through said detecting devices at a relatively low frequency, whereby the resultant of said voltages produced across said resistors is a relatively low frequency voltage signal dependent in magnitude and phase upon the respective magnitude and phase of said unbalance signal.

2,569,269

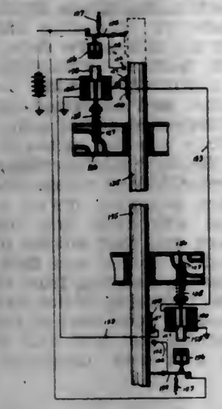
TWO-CYCLE DOUBLE-ACTING ENGINE

Robert L. Wilkins, Indianapolis, Ind.

Application February 18, 1950, Serial No. 144,945
5 Claims. (Cl. 123—61)

1. In a dual acting, two-cycle engine having an elongated cylinder and a single piston therein, the combination of two heads closing opposite open ends of said cylinder, a piston rod connected to the piston, a connecting rod having crank connection to the engine crank shaft, an intake poppet valve in each head, common exhaust valve porting disposed approximately mid-way between the open ends of the cylinder, the piston being reciprocable beyond said porting and towards each of the heads for power impulse application

to the crank shaft for each stroke of the piston, and means operable by the rod for selective actuation of said valves, said means comprising a



solenoid for each valve, and switch means selectively controlling said solenoids, active elements of said means being movable by said rod.

2,569,270
RETRACTABLE KEEL FOR SAILBOATS
Loudon G. Wilson, Fairhaven, Mich.
Application January 15, 1947, Serial No. 722,234
6 Claims. (Cl. 114—133)



1. A retractable keel construction for a sailboat comprising a supporting fixture adapted to be secured to the boat, a pair of upper keel plates hinged to said fixture, a pair of lower keel plates hinged to said upper keel plates and hingedly interconnected to each other, the pivotal axis of said hinges converging upward and forward, and a movable operating member connected to one of said keel plates for folding said keel plates outward and upward.

2,569,271
HERNIA PAD
Louis Zaras, New York, N. Y.
Application April 22, 1949, Serial No. 88,987
1 Claim. (Cl. 128—117)

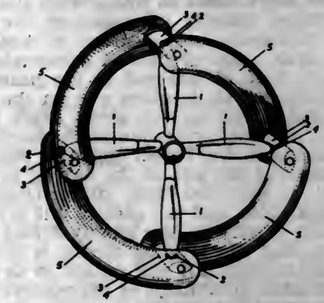


A hernia pad comprising an elongated main structure having on its body contacting side a main hollow protuberance near one end thereof and a lesser solid protuberance near the other end thereof, a backing plate extended along the back face of said structure, a flange formed about the perimeter of the back face of said structure and having an inwardly facing groove into which the edge portions of said backing plate are engaged, said flange being interrupted about the said other end of said structure from one side of said lesser protuberance to the other side thereof, said lesser protuberance having a cavity facing the inner face of said backing plate and opening to the other end of said structure, so constructed and arranged to have the end of a crotch belt extended into said cavity and secured to the inner face of said backing plate, and a bridging plate secured in position on the exposed face of said backing plate over the main protuberance for having a waist engaging belt passed slidably therethrough.

2,569,272
ADOBE COMPOSITION AND METHOD
Graciela Agueros, Montebello, Calif.
No Drawing. Application September 17, 1948, Serial No. 49,857
1 Claim. (Cl. 106—122)

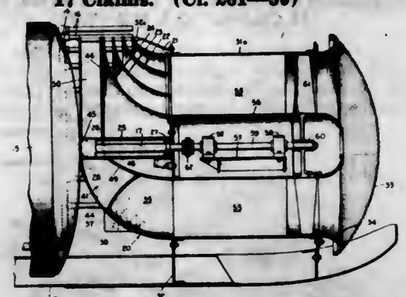
The method of forming an adobe block comprising preparing an emulsion of asphalt in water, mixing said emulsion with an adobe clay to form a mud, soaking wood sawdust in water for approximately twenty-four to forty-eight hours until said sawdust is thoroughly saturated with said water and swollen thereby, mixing said swollen sawdust with said mud in approximately equal proportions, pouring said mix in a mold in the shape of a building block and drying said mix including said sawdust distributed therethrough at a temperature not above natural atmospheric temperatures.

2,569,273
AIRPLANE PROPELLER
Miguel Alexandre, Rio de Janeiro, Brazil
Application June 20, 1947, Serial No. 755,908
In Brazil July 26, 1946
5 Claims. (Cl. 170—168)



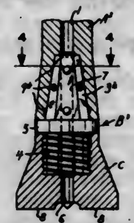
1. An airplane propeller comprising in combination, a hub, a plurality of angularly spaced propeller blades having one end thereof supported by said hub, a plurality of cross members corresponding in number to the number of said blades and respectively associated with said blades, each of said cross members being arranged substantially transverse to the longitudinal axis of the adjacent blade and being supported by the tip of the adjacent blade, and a plurality of connecting members corresponding in number to the number of said cross members for interconnecting said cross members, each of said cross members having one of its ends connected to one end of one of said connecting members and having its other end connected to one end of another connecting member.

2,569,274
SPRAYING AND DUSTING MACHINE
Richard A. Andrews, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, San Jose, Calif., a corporation of Delaware
Application August 25, 1947, Serial No. 770,361
17 Claims. (Cl. 261—30)



17. In a machine of the class described, means for generating an axially flowing blast of air, a confining surface about said air blast defining the outer periphery of said blast of air, a funnel for receiving a part of said air blast in a particular angular sector of the area defined by said confining surface, a series of deflector rings cut away to define a space for the said funnel, said deflector rings extending to said funnel where cut away and positioned for receiving the air blast from the remainder of the area thereof defined by said confining surface, and means for feeding insecticide material to said air blast.

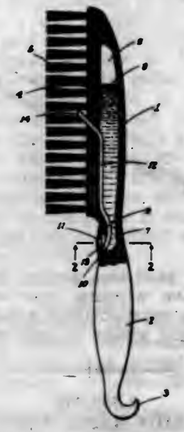
2,569,275
DRILL ROD WITH ADAPTER
John B. Baker, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application July 11, 1947, Serial No. 760,373
2 Claims. (Cl. 287—2)



1. A drill comprising a standard hollow drill steel having a conical socket in an end thereof, a finished drill bit mounting adapter having a conical inner end with a plurality of projections thereon and an outer threaded end, said inner and outer adapter ends being separated by a collar integrally formed on said adapter, said adapter having its inner conical end forged into the conical socket of the drill steel with the projections thereon imbedded in the material of said drill steel and the end of said drill steel abutting said collar, and a separable drill bit threaded on said outer end of the adapter to abut said integral collar.

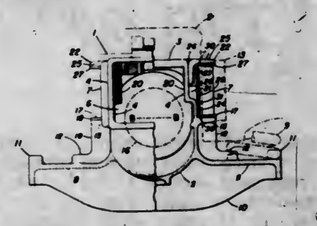
2,569,276
FOUNTAIN HAIRBRUSH
Wilbur B. Baptist, Sacramento, Calif.
Application October 28, 1947, Serial No. 782,651
1 Claim. (Cl. 15—136)

A fountain brush comprising an elongated body having a flat side, bristles secured in the flat side of the body, a handle on the body extending beyond one end thereof, a reservoir formed in the body and for a short distance into the handle immediately beyond the juncture of the handle with the body, an opening provided through the handle



into said reservoir, a depressible resilient diaphragm secured over said opening, and a tube secured in the body, one end of the tube opening into the bristles and the other end of the tube opening into the reservoir adjacent the diaphragm.

2,569,277
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland
Application February 27, 1947, Serial No. 731,221
25 Claims. (Cl. 308—38)

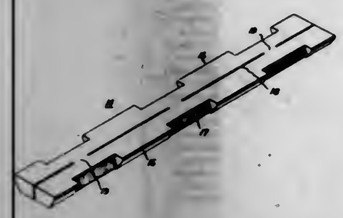


1. In a journal box having brass lugs, the combination of, vertically spaced means outstanding from sides of said journal box for accommodation of friction means, some of said vertically spaced means outstanding from said brass lugs only of said journal box and bearing surfaces facing one another vertically and fixed relative to said vertically spaced means.

2,569,278
SLOT WEDGE FOR DYNAMOELECTRIC MACHINES
Henry L. Barth, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 2, 1950, Serial No. 177,232
7 Claims. (Cl. 171—252)

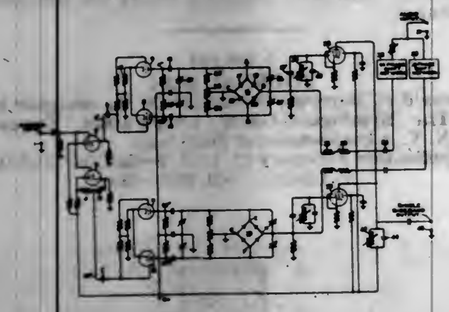
1. In combination with a dynamoelectric machine laminated core portion having winding slots and a winding in said slots, a plurality of molded resinous compound slot wedges arranged

to hold said winding in said slots, each of said wedges having at least one narrow longitudinally extending slot extending through the thickness thereof and along a portion of the length thereof to form a pressure relief kerf, whereby planing



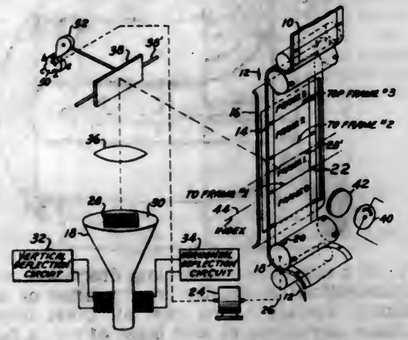
of the sides of said slot wedge during insertion in the respective winding slot wedge receiving portion may be substantially minimized to allow a tight fit of said wedge in said wedge receiving portion.

2,569,279
SINGLE SIDE BAND MODULATOR
Leon M. Barton, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application November 26, 1949, Serial No. 129,677
4 Claims. (Cl. 332—45)



1. A single side band generator comprising a source of carrier wave voltage, means for producing from said carrier voltage a derived voltage in quadrature phase, a source of modulating voltage, a pair of phase shift networks for producing two derived modulating voltages having a constant phase difference of 90°, a pair of bridge modulators, each of said modulators comprising two pairs of unidirectional conducting devices connected to form two similarly poled, parallel conducting paths between a first pair of conjugate points, the junctions in the pair of devices in each path forming a second pair of conjugate points, said carrier voltage being applied across one pair of said conjugate points of one modulator, and said carrier voltage of quadrature phase being applied to one pair of said conjugate points of said other modulator, said derived modulating voltages being applied across respective other pairs of said conjugate points of said modulators, means for connecting one point of each of said other pairs of conjugate points to a source of common reference potential, and means connected to the other point of each of said other pairs of conjugate points for combining the modulation products from said alternate conjugate points.

2,569,280
SHRINKAGE COMPENSATORY FILM STRIPPING MECHANISM
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1948, Serial No. 51,718
14 Claims. (Cl. 178—7.6)

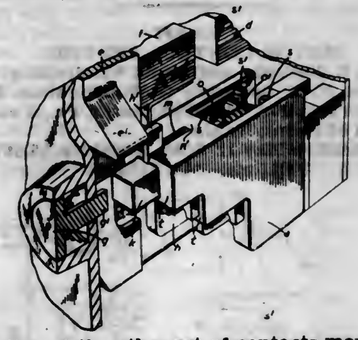


8. In a television scanning system for motion picture film wherein the film frame presentation rate is different from the television field scansion rate and wherein provision is made for sequential plural scansions of successive film frames, a film driving arrangement for minimizing the effects of film shrinkage said driving arrangement comprising in combination, a rotable driving sprocket having a plurality of teeth thereon for engaging the driving perforations of a motion picture film, each tooth being nominally spaced to provide driving engagement of shrunken film by only one tooth at a time, an adjustable film stripping mechanism for acting upon said film for moving the section of film including the driven film driving perforation out of driving relationship with said driving sprocket and a positioning mechanism linked with said strpping mechansm for conditionally altering the angular position about the rotatonal axis of said driving sprocket at which said stripping mechanism is permitted to act.

9. Apparatus as described in claim 8 wherein there is additionally provided means for holding said positioning mechanism in mechanical synchronism with the recurrent television field scansions of said system said positioning mechanism being so phased relative thereto to allow constant linear velocity propulsion of said film at least during sequential plural television field scansions of any individual film frame but to interrupt said film propulsion during the television signal blankout intervals corresponding to the transition from scansion of one successive film frame to the next successive film frame.

2,569,281
CONTACT MECHANISM FOR AUTOMATIC CIRCUIT BREAKERS AND SIMILAR ELECTRICAL SWITCHGEAR
Ernst Besag and Walter Edward Hill, Streetly, and Thomas Daniel Guy Wintle, Walsall, England, assignors to J. A. Crabtree & Co. Limited, Walsall, England, a British company
Application August 9, 1948, Serial No. 43,206
In Great Britain August 14, 1947
5 Claims. (Cl. 200—87)

1. An electromagnetic switch for making and breaking a main circuit and an auxiliary circuit, comprising a magnet having a coil circuit; an armature attracted to and held by said magnet upon energization of the coil circuit thereof; spaced sets of stationary contacts, one set connected to the coil circuit of said magnet and the other set connected to an auxiliary circuit; a reciprocating member; means for reciprocating said member; sets of contacts mounted on said member and disposed between the spaced sets of stationary contacts and spaced on said member a lesser distance than the spacing of the said sets of stationary contacts, one set of the contacts mounted on said member adapted to make and break the set of stationary contacts in the coil circuit of said magnet to control the main



circuit, and the other set of contacts mounted on said member adapted to make and break the set of stationary contacts in an auxiliary circuit to control said auxiliary circuit, the lesser spacing between the sets of contacts on said member permitting one set of stationary contacts to be broken prior to the making of the other set of stationary contacts; and means associated with said armature for retaining the one set of contacts on said member in contact with the set of stationary contacts in the coil circuit of the magnet when said coil circuit is energized by movement of said reciprocating member.

2,569,282
LIVESTOCK FEED
Richard J. Block, Scarsdale, N. Y., assignor to The Borden Company, a corporation of New Jersey
No Drawing. Application July 13, 1950, Serial No. 173,696
6 Claims. (Cl. 99—2)

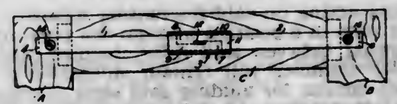
1. A feed composition for ruminants comprising urea as a non-protein source of nitrogen and an admixed non-protein source of sulfur, the urea and the admixed source of sulfur being in proportion to make the feed composition contain 10 to 25 parts by weight of nitrogen for 1 part of sulfur calculated as elemental sulfur.

2,569,283
LATCHING DEVICE FOR GONDOLA DUMPING DOORS
Thore Boreen, Minneapolis, Minn.
Application July 28, 1947, Serial No. 764,092
6 Claims. (Cl. 105—309)



1. In combination with a railway gondola car embodying a hingedly mounted drop bottom door and a door locking shaft which extends longitudinally of the car beneath the door and adjacent its outer edge and which is bodily movable between a first position when the door is locked and a second position when the door is permitted to open, and means for temporarily maintaining the door closed when the shaft is moved from the first position to the second position, comprising a bar supported on the under side of the door and extending outwardly in contact with the upper surface of the shaft and beyond the shaft when the same is in its first position for a distance equal to the extent of lateral movement of the shaft, the under side of said bar from the point where it initially contacts said shaft when the latter is in its first position to the outer end of the bar forming an unobstructed plane surface for continuously contacting the shaft as the same is moved, to thereby support the door on said shaft when the shaft is in either of its positions.

2,569,284
CLAMPING DEVICE
Joseph E. Bower, Milwaukee, Wis.
Application July 10, 1946, Serial No. 682,506
3 Claims. (Cl. 20—38)

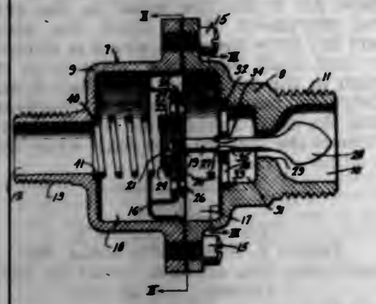


1. In an adjustable length device the combination of a pair of complementary substantially identically formed straps each comprising a longitudinally extending body, a hook end, and a neck intermediate said hook end and said body, said hook end having a transverse width greater than half but less than the full width of said body, said neck having a transverse width less than half the full width of said body and having a length greater than the length of said hook end, a first shoulder formed between said neck and said hook end, a second shoulder formed between said neck and said body, said straps being longitudinally alined for limited longitudinal displacement relative to each other through the insertion of each of said hook ends between said first and second shoulders of the respective complementary strap to form overlapping hook ends affording between said first shoulders of said alined straps an adjustable length longitudinally extending slot lying between opposed portions of said necks, a longitudinally extending channel element embracing said hook ends of said straps to restrain said hook ends against transverse displacement relative to one another, said channel element having a channel width substantially equal to the transverse width of one of said straps and comprising a web having a longitudinally extending aperture, at least a portion of said aperture being in register with said slot, and a tapered key extensible through said aperture and said slot and cooperating with said first shoulders of said straps to force said hook ends apart along said channel to draw said bodies of said straps together and shorten the length of said device.

2,569,285
MEANS FOR METERING FLUID
Clyde A. Brown, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1944, Serial No. 545,875
1 Claim. (Cl. 137—152.5)

In combination in a metering device of the character described, means providing an inlet

orifice, means defining an inlet chamber at the delivery side of said orifice, a stem extending through said orifice having a metering head cooperative with the entrance side of the orifice, means providing an outlet chamber positioned on the down stream side of said inlet chamber, orifice means connecting said inlet and outlet chambers, means adapted to fluctuate due to pressure differential between said inlet and said discharge chambers on the flow axis of the device connected to the inner end of said stem, a



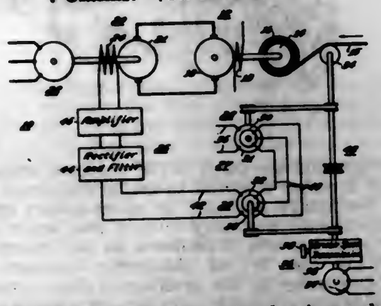
spring acting on said fluctuating means to hold said stem in a position wherein the pressure differential between said inlet chamber and said outlet chamber will remain substantially constant, means for guiding said stem to maintain the latter in proper axial position within the orifice, said guide means being located in said inlet chamber and spaced between said inlet orifice and said fluctuating means, and means on said stem cooperable with said guiding means to limit the extent to which the stem may be moved under the influence of said spring.

2,569,286
SWIVEL KNIFE
Joseph Farrin Bunker, Rockville Centre, N. Y.
Application March 1, 1949, Serial No. 78,967
2 Claims. (Cl. 30—329)



2. In a cutting instrument of the type having a holder and a blade with a reduced shank for reception in the holder, that improvement which comprises a hollow holder, a rod rotatably held therein, one end of said rod being threaded and the other end being slitted, the rod being provided near its said slitted end with a cylindrical enlargement, a thimble internally tapped for said threaded end of the rod, said thimble serving to retain the rod in the holder, said slitted end being threaded, a bushing tapped for said slitted end of the rod, said slitted end and said bushing serving as a collet to hold said blade, said thimble being tightened to prevent rotation of the rod so that the blade is rigid relative to the holder, and loosened to permit rotation of the rod so that the blade is freely rotatable relative to the holder, said bushing having longitudinal serrations on its outer surface, said cylindrical enlargement having a diametrically disposed hole and said hollow holder having a pair of diametrically opposed apertures, said hole and apertures being aligned to receive a pin to hold the inner rod against rotation.

2,569,287
MOTOR CONTROL SYSTEM
Stephen L. Burgwin and Frank Vandenberg, East Aurora, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 12, 1948, Serial No. 26,587
7 Claims. (Cl. 318—6)



1. A control system for a motor having a driving connection with a strip of material comprising, a synchro system including synchro units having movable elements respectively connected to be driven by and in accordance with the speed of the strip and to a reference motor, said units being electrically connected to produce a voltage proportional to a deviation between the relative positions of the movable elements, and circuit means connected to energize the motor in accordance with said voltage.

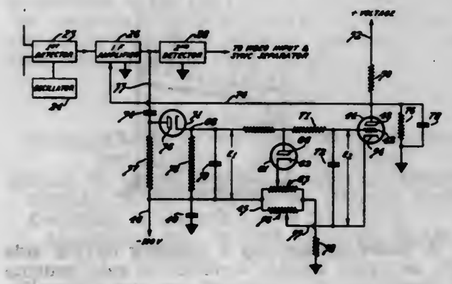
2,569,288
PREPARATION OF N-BENZYL-BETA-HALOPROPIONAMIDES
Robert T. Cassell, Kew Gardens, and Samuel Kushner, Nanuet, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 24, 1949, Serial No. 117,738
4 Claims. (Cl. 260—562)

1. The method of preparing N-benzyl-beta-chloropropionamide which comprises mixing together benzylamine and beta-chloropropionyl chloride in water at a temperature within the range −15° C. to 50° C. while maintaining the hydrogen ion concentration within the range pH 4 to pH 9.

2,569,289
AUTOMATIC GAIN CONTROL SYSTEM
Edwin L. Clark, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1945, Serial No. 613,772
1 Claim. (Cl. 250—20)

An automatic gain control system for a radio receiver having a carrier signal amplifier, said

system comprising a unilaterally conducting device, means to furnish signals from said carrier signal amplifier to said unilaterally conducting device, a resistor and condenser combination connected across said unilaterally conducting device whereby to provide a peak detector at the frequency of the carrier signal amplified by said amplifier, a second unilaterally conducting device having a cathode and an anode effectively connected across said resistor and condenser combination, an electron tube having at least a cathode, an anode and a control electrode, a voltage source having positive and negative terminals, a first and second voltage divider connected in parallel across said voltage source terminals, each divider having adjustable taps, a direct current conducting connection from one of said taps to the cathode of said second unilaterally conducting device, a direct current conducting connection from said other tap to the cathode of said electron tube, a direct current conducting connection from said negative supply terminal through said resis-



tor of said resistor and condenser combination to the grid of said tube and to the anode of said second unilaterally conductive device, the adjustment of said tap connected to the cathode of said second unilaterally conductive device providing a bias on said unilaterally conductive device of a magnitude to bias the unilaterally conductive device to non-conduction in the absence of noise exceeding an amplitude substantially in excess of the average signal level, a second resistor and condenser combination having a relatively long time constant whereby to integrate the voltage produced at said first named resistor and condenser combination, said last named resistor being included between the control electrode of said tube and the anode of said second unilaterally conductive device, said last named condenser being connected between the control electrode and cathode of said tube, and an output connection from the anode of said tube to said modulated wave amplifier whereby to control the gain of said amplifier independently of noise.

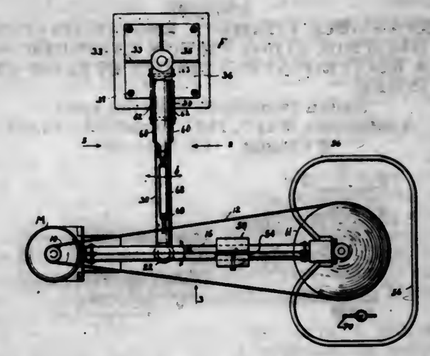
2,569,290
CURTAIN FOR A CHILD'S NURSERY ROOM
Maude P. Collester, New York, N. Y., assignor to I. B. Kleinert Rubber Co., New York, N. Y., a corporation of New York
Application February 10, 1949, Serial No. 75,526
7 Claims. (Cl. 160—127)

7. An article storing curtain comprising a front fabric panel and a rear fabric panel joined at their upper edges, said front panel having an area covering said rear panel substantially com-



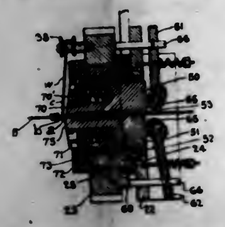
pletely, and a plurality of fabric pockets sewed to the inner face of said rear panel.

2,569,291
MACHINE FOR GRINDING AND POLISHING BLOCKS OF STONE
Richard H. Davis, Rutland, Vt., assignor to Lincoln Iron Works, Rutland, Vt., a corporation of Vermont
Application December 14, 1949, Serial No. 132,933
2 Claims. (Cl. 51—126)



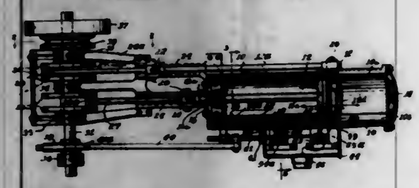
1. In a grinding and polishing machine, a fixed upright post, a bearing sleeve rotatable on said post, a radial supporting arm pivoted to said sleeve to swing vertically thereon, a fluid-operated cylinder-and-piston combination pivoted to said supporting arm, means to supply operating fluid to said cylinder, a bell crank pivoted on said supporting arm, a link connecting the short depending arm of said bell crank to the top of said bearing sleeve, said bell crank also having a long and upwardly-extending arm connected to said cylinder-and-piston combination, whereby outward movement of said piston in said cylinder will effect upward swinging movement of said supporting arm, a cross bar pivoted intermediate its ends to the free end of said supporting arm and having limited angular movement only on said arm, a work-engaging wheel mounted at one end of said cross bar, a motor mounted at the other end of said cross bar, and driving connections between said motor and wheel.

2,569,292
WIRE WINDING MACHINE
Richard C. Dehmel, Short Hills, N. J.
Application March 9, 1946, Serial No. 653,319
10 Claims. (Cl. 242—9)



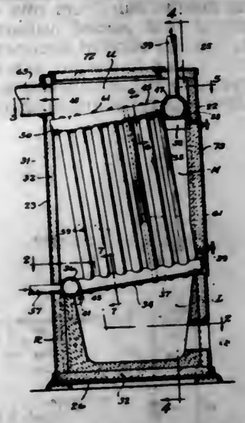
1. In a machine for winding conductor wire or the like around a flat core blank of varying width, the combination of blank securing means and winding means mounted for relative movement for winding the wire under tension about the blank along an axis thereof, movable means disposed at opposite sides of said blank for holding as it is laid each lay of wire in determinate position with respect to the previously laid adjacent lay first on one side of the blank and then on the other side, and means for moving alternately said holding means in timed relation to said winding means so as to hold said first named lay until the succeeding lay is laid at the opposite side of said blank, said holding means for said first named lay then moving to an unobstructing position so that the blank can receive the next lay following the aforesaid succeeding lay.

2,569,293
EXPANSIBLE CHAMBER ENGINE HAVING A RECIPROCATING PISTON CYLINDER AND A RECIPROCATING PISTON IN SUCH CYLINDER
Julian Dematteis, Batavia, Iowa
Application May 7, 1947, Serial No. 746,588
2 Claims. (Cl. 121—50)



1. An expansible chamber engine, comprising a cylindrical casing having a longitudinal channel in the inner wall, said wall further having a guide slot longitudinally therein, a piston cylinder mounted in the casing for reciprocation, a lug carried by the cylinder and extending through and slidably engaging in said slot, a rib formed longitudinally of the outer side of the piston cylinder and slidably engaging in said channel, the piston cylinder having closing end walls and a side wall port adjacent to each end wall and extending through said rib, a steam chest, a pair of ports leading therefrom into said channel said cylinder ports being in communication at all times with the last named ports, an exhaust means, a piston in the piston cylinder, a piston rod connected with the piston and slidably extending through an end wall of the piston cylinder and beyond an end of the casing, a piston rod coupled at one end with said lug, a crank shaft having said piston rods in operative connection therewith, valve elements adjacent to the said last mentioned ports and adapted to alternately establish communication between the steam chest and one of the piston cylinder ports and between the other one of the piston cylinder ports and the exhaust means, and means for actuating the valve elements in synchronism with the movements of the piston and cylinder.

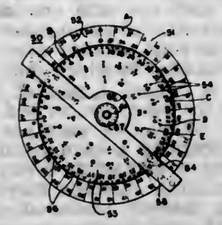
2,569,294
BOILER
Charles T. Denker and John R. Moore, Chicago, Ill., assignors to The Calefactor Corporation, Chicago, Ill., a corporation of Illinois
Application February 27, 1947, Serial No. 731,218
3 Claims. (Cl. 122—268)



3. A boiler comprising a housing having side walls, an upper header mounted in said housing and comprising an elongated arm and a plurality of substantially parallel legs projecting from one side of said arm in spaced relation to each other, said arm and legs being respectively spaced from certain of said side walls, a lower header mounted in said housing below said upper header, a plurality of water tubes mounted in said housing in spaced relation to each other and interconnecting said upper header to said lower header, fire tubes having longitudinally extending openings therethrough extending through said water tubes, means for feeding water to said lower header, outlet means connected to said upper header, means for feeding fuel into said housing below said lower header for combustion therein, and outlet means connected to the upper end portion of said housing for discharging combustion products to the atmosphere, the total cross-sectional area of the spaces between the legs of said upper header and of the open spaces between said upper header and said side walls being substantially equal to the cross-sectional area of the openings through said fire tubes.

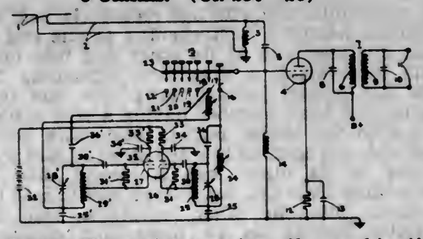
2,569,295
COMPUTING INSTRUMENT
William L. De Witt, Upper Darby, Pa.
Application May 27, 1950, Serial No. 164,662
2 Claims. (Cl. 235—61)

1. In a device for determining which hole of an annular series of balance plug holes in a turbine rotor should receive a plug to balance a previously determined unbalance in said rotor; a primary disc having on a first side thereof representations of the annular series of balance plug holes being balanced, numbers associated with said representations and corresponding to the numbering of the rotor balance plug holes, a protractor with said primary disc at the periphery of the latter and rotatable relative thereto, a straight-edge element associated with the first side of the disc and rotatable about the axis of said disc with one of its edges always diametrically disposed with respect to the disc, and a secondary disc coaxial with the primary disc and adjacent said first side of the latter,



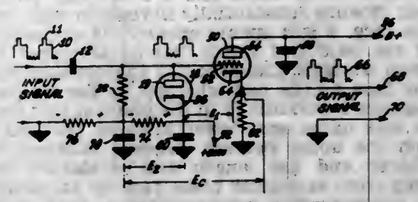
said secondary disc being rotatable with respect to the primary disc and carrying representations of the annular series of bolt holes in the coupling of the rotor being balanced, the numbering of the representations on the secondary disc corresponding to the numbering of the bolt holes of the rotor coupling, and means for retaining the secondary disc in any desired position of rotation relative to the primary disc.

2,569,296
FREQUENCY CONVERTER WITH PLURAL SELECTABLE OSCILLATORS
Robert B. Dome, Geddes Township, Onondaga County, N. Y., assignor to General Electric Company, a corporation of New York
Application May 12, 1948, Serial No. 26,498
6 Claims. (Cl. 250—20)



6. In a radio receiving system, the combination of an antenna circuit, a heterodyne mixer electron discharge device including a control electrode and an anode, a plurality of tunable input circuits arranged to be selectively connected in circuit with said control electrode, and a plurality of normally deenergized heterodyne oscillator stages, means for coupling said antenna circuit to said control electrode, means comprising a plurality of electrical contacts operable one at a time for selectively connecting a selected one of said tunable input circuits and a selected one of said oscillator stages to said control electrode and for isolating the remainder of said circuits and stages from said control electrode, each contact also further completing a circuit for energizing said selected oscillator stage, said last mentioned means selectively conditioning said electron discharge device to desired signals intercepted by said antenna circuit, and means for deriving selected signals from said anode, said selected signals having an intermediate carrier frequency corresponding to the difference between the carrier frequency of said desired signals intercepted by said antenna circuit and the frequency of the selected oscillator.

2,569,297
DIRECT-CURRENT RESTORING APPARATUS
Vernon J. Duke, Rockville Centre, N. Y., and Andrew L. Hammerschmidt, Berea, Ohio, assignors to Radio Corporation of America, a corporation of Delaware
Application December 16, 1948, Serial No. 65,546
3 Claims. (Cl. 178—7.3)



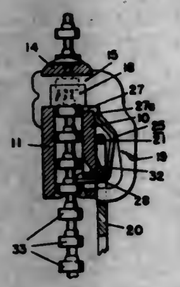
1. In a television signal translating system for translating a signal including a combined picture component and synchronizing component having amplitude values outside the amplitude range of the picture components, the background illumination of the picture being represented by the peak value of the signal on one side of its A. C. axis, a D. C. reinsertion arrangement for accepting the A. C. version of said signal and producing an output signal containing a D. C. component in accordance with the picture background illumination, said arrangement comprising in combination, a variable conductance device having at least a cathode and a control electrode, a resistance connected between said conduction device cathode and a reference potential, a capacitor connected between said control electrode and a source of input signal, a source of unidirectional potential having a positive polarity with respect to said reference potential, a bleeder resistance connected from said unidirectional potential source to said reference potential, said bleeder having a first and a second tap thereon, said first tap making available a potential relative to said reference potential positively in excess of that made available at said bleeder second tap, a unilateral conduction device having an anode and a cathode, a connection from said unilateral conduction device anode to said variable conduction device control electrode, a connection from said unilateral conduction device cathode to said bleeder first tap, and an impedance connected from said variable conduction device control electrode and said bleeder second tap.

2. Apparatus according to claim 1 wherein said bleeder second tap is adjusted to provide a proper static operating bias for said conduction device and wherein said first bleeder tap is adjusted to limit positive excursions of said control electrode to values substantially in excess of said static operating bias established by said second tap such that the positive peak potential excursions of said control electrode are considerably more positive than the maximum permissible positive static operating bias.

2,569,298
SLIDER FOR SLIDE FASTENERS
Hans Erdmann, Maplewood, N. J., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,113
2 Claims. (Cl. 24—205.14)

1. An automatic lock slider for slide fasteners comprising front and rear wings, a rivet connecting said wings and having a head shaped to pro-

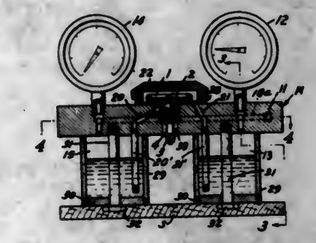
vide a bail cooperating with the outer plane face of the front wing to form an elongated eye defined by said outer plane face and the under edge of the bail, said under edge having a short-length portion adjacent the rivet which is slanted outwardly from said outer plane face by a substantial angle, an intermediate longer portion which is slanted outwardly from said outer plane face by a lesser angle and a lower end portion which extends substantially normal to said outer plane face, a leaf spring operatively disposed in said eye, said leaf spring having an upper end portion which is anchored flat against said outer plane face by the bail whereby its flexing point is disposed substantially in the plane of said outer face and upper and lower inclined portions of which the upper portion disposed adjacent the anchored end has length and is slanted outwardly from said outer plane face by an inclination corresponding substantially to that of the short-length under edge portion of the bail and the lower portion has greater length than and is oppositely slanted with respect to said upper portion so as to incline away from the elongated



under-edge portion of the bail by a substantial angle and towards said outer plane face by a small angle, said oppositely slanted portion terminating at its free end in a rearwardly extending locking pin which is disposed substantially perpendicularly to said outer plane face and projects through an opening provided therefor in the front wing into locking engagement with fastener elements disposed in the slider, a pull tab having its hinge pin extending transversely through the bail eye and disposed rearwardly of the leaf spring, and a hump protruding from the outer plane face of the front wing immediately above said opening and terminating in a raised knife edge on which the free end of the leaf spring normally bears with spring pressure, said hump providing a cam surface for said hinge pin which is slanted outwardly from said outer plane face by an angle such that the hinge pin in riding up said cam surface is adapted to flex the leaf spring to a position in which its oppositely slanted portion is disposed substantially parallel to said outer plane face, thereby to effect substantially vertical lifting movement of the locking pin out of the path of the fastener elements.

2,569,299
TESTING DEVICE FOR CARBURETOR VALVES
Albert Fegel, Whittier, Calif.
Application July 25, 1949, Serial No. 106,691
1 Claim. (Cl. 73—46)

Apparatus for testing an automatic valve for a carburetor, which valve comprises a body carrying a diaphragm which is subjected on one side to reduced manifold pressure and having a fluid passage through the same communicating at one end with a space on the other side of the diaphragm, a spring closed needle valve normally closing the other end of the passage and a port leading laterally from the passage between its ends; said apparatus comprising a flat support, a flat head member having an opening in which a part of the valve body seats to position the diaphragm with the said one side thereof upwardly directed, a cover member adapted to be placed on the head member over the diaphragm to form a chamber in which said one side of the diaphragm is housed, a pair of vacuum gauges mounted on the head member and interconnected by vacuum conducting passages in the latter, means for coupling a vacuum line with one of said passages, a pair of fluid receptacles having said head member disposed over and supported by the tops thereof, means securing the head member and said receptacles in spaced relation on said support, each of said gauges being



in communication with one receptacle, said head member having a port opening at one end into said chamber and at its other end into one of said receptacles, a dive tube depending from the last named passage down into one receptacle, said head member having a port connecting with the lateral port of said valve body at one end and opening into the other of said receptacles at its other end, a second dive tube depending from the last named port in said head member into the other receptacle, said head member having an air bleed port connecting with the passage leading to that gauge which is in communication with the said other receptacle, and a valve controlled communication passage between each gauge and the atmosphere.

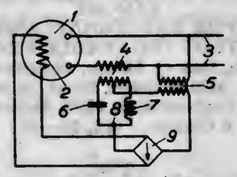
2,569,300
SELECTIVE OXIDATION OF STEROID ALCOHOLS
Louis F. Fieser and Srinivasa Rajagopalan, Cambridge, Mass.; said Fieser assignor to Research Corporation, New York, N. Y., a corporation of New York, and said Rajagopalan assignor to the United States of America as represented by the Administrator of the Federal Security Agency
No Drawing. Application June 15, 1949, Serial No. 99,242
7 Claims. (Cl. 260—397.1)

1. A method of oxidizing steroid alcohols having a hydroxyl group in at least one of the positions 6 and 7, which comprises subjecting such steroid alcohols to the action of a cyclic N-haloimide in an aqueous medium until substantially all of the hydroxyl groups in said positions are oxidized to ketone groups.

2,569,301
MANUFACTURE OF THERMOSETTING RESINS AND MOLDING COMPOSITIONS FROM WALLABA RESIN
Harry Ronald Fleck, Biggin Hill, and George Berthold Edward Schueler, North Finchley, London, England
No Drawing. Application May 16, 1949, Serial No. 93,636. In Great Britain May 31, 1948
11 Claims. (Cl. 260—17.2)

11. Process for the manufacture of thermosetting preparations by treating the resin extracted from wallaba wood with furfuraldehyde.

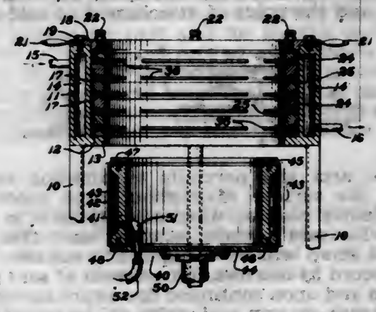
2,569,302
MEANS FOR EXCITING SYNCHRONOUS ALTERNATING-CURRENT MACHINES ACROSS RECTIFIERS
Harry Forssell, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application April 4, 1946, Serial No. 659,479
In Sweden April 9, 1945
3 Claims. (Cl. 322—25)



1. Exciting means for a synchronous alternating current machine, comprising an exciting winding therefor, means for creating a voltage substantially proportional to the current of said machine, a condenser in circuit with said voltage creating means substantially compensating the internal voltage drop in said means, a source of voltage proportional to that of said machine, means for connecting said voltage creating means in series with said voltage source, means for rectifying and simultaneously controlling the resultant voltage and for feeding said exciting winding by said rectified voltage, said voltage creating means including a current transformer winding connected in the output circuit of the synchronous machine, and said rectifying and controlling means includes a rectifier connected to a secondary winding of said transformer, said condenser and a reactor being connected in series between the terminals of the secondary winding of said current transformer, a slightly eccentric point between said terminals being connected through said voltage source to one rectifier terminal and a point between said condenser and said reactor being connected to another rectifier terminal.

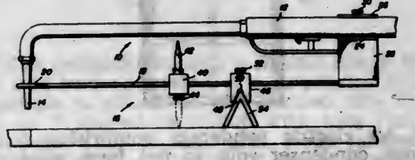
2,569,303
MANUFACTURE OF ENDLESS V BELTS
Albert J. Garbin, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 31, 1950, Serial No. 193,269
4 Claims. (Cl. 18—6)

4. Apparatus for molding endless belts, said apparatus comprising mating mold rings having belt-molding cavities formed between their mating faces, a steam-chambered treating jacket having a bore for receiving said mold rings in stacked relation, means at opposite ends of the jacket for clamping said rings therebetween against deflection, said rings having radial openings at their inner faces connected with said molding cavities, movable plungers slideably mounted in said openings in pressure-transmitting relation to belts in said cavities, a flexible diaphragm simultaneously engageable with all of the radially inner ends of said plungers, means for supporting said diaphragm in pressure-transmitting relation to the plungers of a plurality



of said cavities simultaneously, means for applying fluid pressure to said diaphragm to force said plungers radially outward to apply uniform pressure to belt bodies therein independently of movement of said plungers, and means for heating said jacket to vulcanize the belt bodies in said molding cavities.

2,569,304
CUTTING TORCH ATTACHMENT
Melvin C. Gledhill, Las Cruces, N. Mex.
Application February 3, 1950, Serial No. 142,241
1 Claim. (Cl. 266—23)

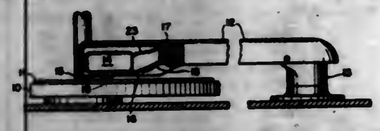


An attachment for a cutting torch having a cutting tip comprising a rod, means carried by one end of said rod for detachably connecting said rod with said tip, means secured to the other end of said rod for rigidly detachably connecting said rod to the handle of said torch in parallel spaced relation therewith, a guide unit slidably and rotatably mounted on said rod, said guide unit being selectively rotatable on said rod into an inoperative position, means on said guide unit selectively securing said guide unit in an operative position, said guide unit comprising a guide block, a transverse substantially V-shaped groove in said block, the apex of said groove being semi-circular in shape, said guide block being adapted to slidably engage a substantially V-shaped guide bar to guide the tip of said torch in cutting straight lines.

2,569,305
PHONOGRAPH PICKUP MOUNTING
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application September 5, 1947, Serial No. 772,233
3 Claims. (Cl. 274—24)

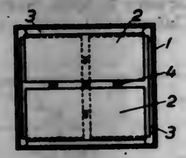
1. In combination a phonograph pick-up arm comprising a pick-up element and stylus, and mounting means for said element and stylus, said mounting means comprising a strap attached at one end to an intermediate portion of said arm and supporting said element and

stylus in a position horizontally removed from said one end, said strap being resiliently flexible in a vertical direction means for resiliently limiting the downward movement of the said resilient strap, the remaining end of said strap being free and extending below an intermediate point of said element, said free end lying between said stylus and the point of attachment of said strap



to said arm and normally terminating closely above the surface of a phonograph record in reproducing position when said stylus is in contact with said surface, whereby said free end of said strap will be brought into contact with said record by downward movement of said pick-up arm and upon continued downward movement of said pick-up arm said stylus will be raised from said record.

2,569,306
ELECTRIC CONDENSER
Brer Olov Nikolaus Hanssen, Angby, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application April 23, 1946, Serial No. 664,152
In Sweden May 5, 1945
13 Claims. (Cl. 175—41)

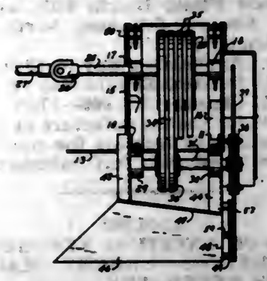


1. An electric condenser comprising a container, condenser rolls in flat form piled upon each other in the container, and electrode foils protruding from the rolls, such rolls being so disposed in angular relation to each other that the electrode foils protrude in four different directions and are distributed as evenly as possible all around the stack of condenser rolls and further arranged so as to ensure heat dissipating contact between the electrode foils protruding from the four sides of the stack and the four walls of the container surrounding the stack.

13. Electrical condenser unit composed of a casing having flat walls, two condenser reels, and a spring device between said condenser reels arranged to press the end surfaces of said condenser reels against the flat casing walls.

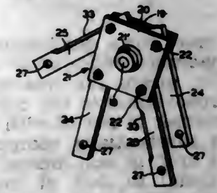
2,569,307
MACHINE FOR SHREDDING AND DISINTEGRATING VEGETABLE STALKS
Levi Haapala, Dassel, Minn., assignor to Whiteley and Caine, Minneapolis, Minn., a partnership
Application February 14, 1949, Serial No. 76,278
5 Claims. (Cl. 55—61)

1. In a device for disintegrating vegetable stalks, in combination, a stalk gathering tunnel formed of a top and side walls and having open front and rear ends, a driven member supported above the tunnel and projecting longitudinally beyond the rear end of the tunnel, a plurality of rectangular beater bars loosely pivoted at their inner ends to said driven member in rear of the tunnel for rotation in a plane transverse to the tunnel, and a shear plate carried on the rear end of the tunnel and having a beveled cutting edge projecting horizontally across the top and vertically along one side of the rear opening and



forming a substantially 90° cutting surface which cooperates with the inner edges of the beater bars for shearing material driven by said bars against the cutting edge.

2,569,308
MACHINE FOR SHREDDING AND DISINTEGRATING VEGETABLE STALKS
Levi Haapala, Dassel, Minn., assignor to Whiteley and Caine, Minneapolis, Minn., a partnership
Application September 8, 1949, Serial No. 114,564
6 Claims. (Cl. 55—61)



1. In a machine for disintegrating vegetable stalks embodying a stalk gathering tunnel having open front and rear ends and adapted to pass over a row of vegetable stalks, a rotatably driven shaft supported above the tunnel and projecting beyond the rear end of the tunnel, the improvement consisting of a pair of laterally spaced members carried on the shaft in rear of the tunnel for rotation in a plane transverse to the tunnel, a plurality of pivots extending between said spaced members adjacent their peripheries and at a maximum permissible distance from the axis of the shaft, and an elongated beater bar rotatably mounted on each of said pivots and in sliding contact with the inner sides of said spaced members, each of said bars at its outer free end being substantially rectangular in cross-section to provide a blunt striking surface and having a beveled cutting edge spaced inwardly from the outer end to form a cutting surface.

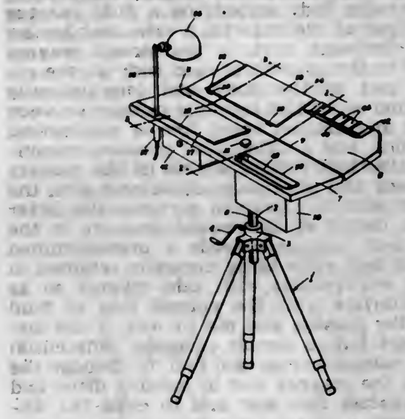
2,569,309
WAVE LENGTH MODULATION
Gerard Hepp, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 12, 1946, Serial No. 683,060
In the Netherlands June 21, 1943
5 Claims. (Cl. 332—22)

5. A circuit arrangement for phase modulating an electric wave, comprising a core assembly having a plurality of branches each branch comprising core members spaced apart and having a substantially rectangular longitudinal cross section with opposing side portions spaced apart and a core member interconnecting said branches in shunting relationship, high frequency induction coils arranged on said spaced side portions and connected together in series aiding relationship, a magnetizing winding arranged on said inter-



connecting core member, means to apply said electric wave to said induction coils, and means to apply modulating currents to said magnetizing winding to vary the permeability of said core member and produce changes in the magnetic fluxes therein thereby to phase modulate said electric wave.

2,569,310
APPARATUS FOR USE IN FINGER PRINTING
Ivan E. Hitt, Stockton, Calif.
Application August 5, 1949, Serial No. 108,739
7 Claims. (Cl. 41—4)



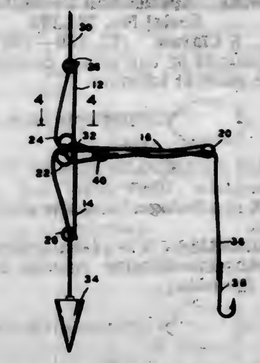
4. In an apparatus for use in finger printing, an upstanding support and a table top unit on the support, said unit including a horizontal back section and a front section sloping upwardly from its back edge; and a finger engaging inking platen on the front section extending to the forward edge thereof.

2,569,311
TEMPERATURE COMPENSATED VISCOUS DAMPER
Stephen C. Hoare, Manchester, and Almon J. Corson, Marblehead, Mass., assignors to General Electric Company, a corporation of New York
Application March 26, 1948, Serial No. 17,218
8 Claims. (Cl. 73—430)
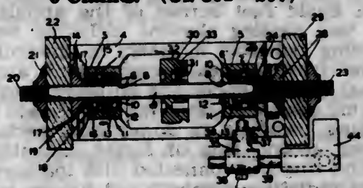


1. A viscous liquid damper for damping the movement of a rotary part, comprising in combination with such rotary part a relatively stationary part adjacent said rotary part and separated therefrom by a capillary space, a damping liquid having a temperature coefficient of viscosity contained within said space solely by capillary action for the purpose of damping the rotary member when rotated, and bimetallic temperature responsive means for supporting said relatively stationary part and for moving the same relative to the rotary part so as to decrease the minimum spacing between said parts as the temperature increases to compensate for the decrease in damping which would otherwise occur due to the change in viscosity of said liquid.

2,569,312
FISHHOOK SUSPENSION DEVICE
Charles F. Holm, Cliffside Park, N. J.
Application April 16, 1948, Serial No. 21,453
4 Claims. (Cl. 43—44.84)



4. The combination with a fishing line, a fishhook and leader therefor, of a suspension device comprising a strand of wire formed into three arms in T-shaped formation with coils formed at the free ends of each arm, loops formed in the strand at the junction of the said arms, a loop formed in said line and engaged by the loops formed in the strand, and a loop formed in said leader and connected to the loop in said line, the line being engaged between the convolutions of the coils at the free ends of each of two of said arms, and the leader being detachably engaged between the convolutions of the coil at the free end of the other arm, whereby when the hook is engaged by a fish the leader will be released from the last mentioned coil to permit a momentary slack in the leader.

2,569,313
BEARING MOUNTING FOR ROTARY TOOL UNITS
Chris A. Horn, Minneapolis, Minn.
Application January 16, 1947, Serial No. 722,450
6 Claims. (Cl. 308—207)

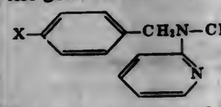


1. In a rotary tool unit, a support having an aperture therethrough, a shaft extending through said aperture, at least a portion of said

aperture being considerably larger than said shaft, a bearing structure comprising relatively rotatable and axially tapered complementary portions, a member fixed on said shaft and having a portion of larger diameter than that of said shaft to provide an inwardly facing thrust member for one side of one of said bearing portions, said shaft having a threaded portion at the opposite side of said support from said fixed member, and a nut on the threaded portion of said shaft in thrust receiving relationship to the other side of a complementary bearing portion.

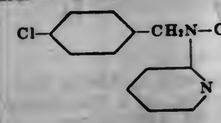
2,569,314
N,N - DIMETHYL- N'-(4- HALOBENZYL)-N'-(2-PYRIDYL) ETHYLENEDIAMINES AND PREPARATION OF THE SAME
Kenneth L. Howard, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 17, 1947, Serial No. 792,332
8 Claims. (Cl. 260—296)

1. Compounds of the group consisting of those having the general formula

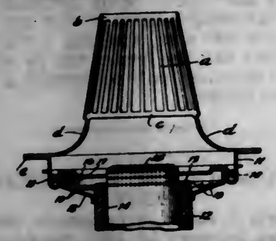


in which X is a halogen and the acid salts of said compounds.

7. N,N-dimethyl - N' - (4-chlorobenzyl) -N'-(2-pyridyl) ethylenediamine having the following structural formula:



2,569,315
LIQUID FUEL BURNER WITH RADIANT HEATING ELEMENT
Jack Imber, Greenford, England
Application January 18, 1947, Serial No. 722,873
In Great Britain January 23, 1946
3 Claims. (Cl. 126—96)



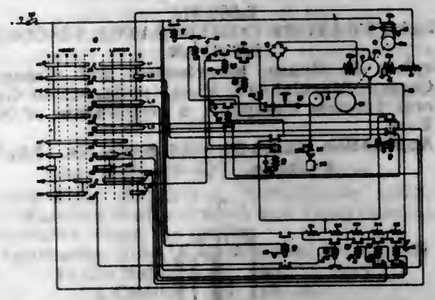
1. In combination, a radiant heating element and a liquid fuel burner of the annular wick type, said heating element including vertically extending radiating members in upwardly converging frusto-conical arrangement around a vertical axis, an upper and horizontally disposed first ring connected with the upper ends of said radiating members, a lower and horizontally disposed second ring of larger diameter than said first ring and connected with the lower ends of said radiating members and having supporting connection with said upper ring, a mounting ring spaced below and substantially parallel with and supporting said second ring and having a central flame admission opening, and a liquid fuel burner of the annular wick type coaxial with said heating element and supporting said mounting ring and for projecting an annular flame upwardly through said central opening and between and to directly heat said radiating members.

2,569,316
DIFFERENTIAL PRESSURE CLOSED SAFETY VALVE
Daniel L. Jerman, Teaneck, N. J.
Application September 27, 1948, Serial No. 51,368
4 Claims. (Cl. 137—139)



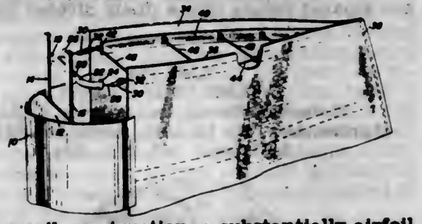
1. A normal flowpassing and excessive differential pressure cut-off valve adapted to be incorporated in a fluid line to stop the flow of fluid through the line when the degree of differential pressure rises to an abnormal stage comprising, a hollow valve body embodying a fluid passage and provided at one end with a valve seat having a fluid discharge port, a permanent magnet mounted in the passage of said body at the remaining end of the body and longitudinally spaced from said valve seat, the passage between said seat and magnet being free of mechanical obstructions, and a differential pressure-responsive metallic ball valve operable in the passage in said body and releasably contactable with the discharge port in a manner to close the latter when the degree of differential pressure of the fluid in said passage exceeds a predetermined stage, said ball valve being normally retained in magnetic engagement with said magnet so as not to interfere with the normal flow of fluid through the passage and out by way of the discharge port but to permit excessive differential pressure, coming across said ball, to dislodge the ball from the magnet and to forcibly drive and snap it against said seat and to close the discharge port.

2,569,317
CONTROL SYSTEM
Benjamin W. Jones, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 30, 1949, Serial No. 135,950
12 Claims. (Cl. 318—154)



12. A hoist control system comprising a direct current dynamoelectric machine having an armature and shunt and series field windings, connections for separately energizing said shunt field winding to provide a primary source of excitation therefor, circuit means including a reversing controller for selectively energizing said series field winding and said armature in series with each other with either polarity whereby said machine operates respectively as a motor for hoisting and as a motor and generator for lowering, a first bridge type rectifier having four legs each including a unidirectional conducting device forming two reversible polarity terminals and two constant polarity terminals, said first rectifier having its reversible polarity terminals connected in circuit with said armature and its constant polarity terminals connected to said series field winding whereby the current through said series field winding remains unchanged in direction despite reversals of the current through the armature, a pair of resistors, a second bridge type rectifier having four legs each including a unidirectional conducting device forming two reversible polarity terminals and two constant polarity terminals, means for connecting said shunt field winding to the constant polarity terminals of said second rectifier, and means for connecting the reversible polarity terminals of said second rectifier through said resistors to said armature and said series field winding so that the circuit including said second rectifier and said shunt field winding is in shunt to said armature and said series field winding, whereby a continuously connected alternate source of excitation is provided for said shunt field winding in the event that said primary source becomes disconnected.

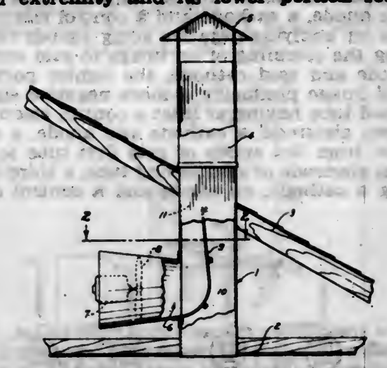
2,569,318
SAIL FOR SAILING CRAFT
Herbert H. Kersten, Iowa City, Iowa
Application June 13, 1949, Serial No. 98,889
7 Claims. (Cl. 114—103)



4. In a sail construction, a substantially airfoil shaped flexible body movable in response to various directional air pressures to assume various corresponding positions and a leading edge member having one pair of edges of the body disposed therein, pairs of battens carried by said body and means connecting opposite battens of each pair, flexible elements secured to the ends of the battens of each pair, and means carried by said leading edge member securing said elements to said leading edge member including a plurality of shoes and vertical guides having said shoes disposed thereon.

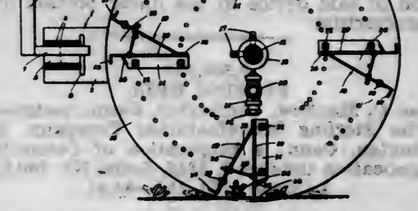
2,569,319
VENTILATING APPARATUS
Oliver J. Krug, San Bernardino, Calif.
Application July 6, 1948, Serial No. 37,194
1 Claim. (Cl. 98—43)

A ventilating apparatus, involving: a vertical open-ended conduit of rectilinear cross section and having a lateral opening in one wall; a partition member curving upwardly from the lower margin of said lateral opening and continuing upwardly in said conduit to divide said conduit into passages of similar cross section; the upwardly extending portion of said partition sloping toward the side of said lateral opening to form with said side a Venturi throat at its upward extremity and its lower portion forming



with the opposite side of said conduit a second Venturi throat; a tubular intake funnel communicating with said lateral opening; and a fan in said intake funnel.

2,569,320
SPRAY TYPE PLANT BLOCKING MACHINE
Henry V. Lea, Rio Vista, Calif., assignor of one-half to Blackwelder Manufacturing Co., Rio Vista, Calif., a partnership
Application April 21, 1947, Serial No. 742,925
9 Claims. (Cl. 97—22)

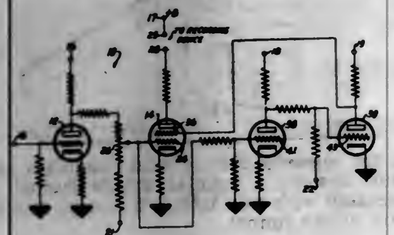


1. A machine for chemically blocking crop rows, comprising a support adapted for movement along a crop row, a rotary carrier journaled on the support for turning movement along the crop row, a plurality of hood units mounted on the rotary carrier in circumferentially spaced relation and opening outward adjacent the periphery of said carrier, and a mechanism in the rotary carrier adapted to spray a chemical plant destroying fluid downwardly onto the plants in the row in direct intersecting relation to the rotary path of said hood units; each hood unit including a pair of walls spaced circumferentially of the rotary carrier, and full width feet on the outer edges of said walls.

2,569,321
COMPENSATING AMPLIFIER FOR FACSIMILE RECORDING LAMPS
Anthony Liguori, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1948, Serial No. 36,031
1 Claim. (Cl. 179—171)

Apparatus for providing signals to an electric current operated device serving to produce an

image record, said device having a combined non-linear and linear response characteristic with respect to current input and recording output, said apparatus comprising an amplifier tube having an anode, a cathode and a control electrode, means for applying negative going signals representing the scanning of an image to said control electrode and said cathode, the lighter portions of said image producing a more negative signal, a second tube having at least a control electrode, a screen electrode, a cathode and anode, a connection from the anode of said first tube to the control electrode of said second tube, a third tube having a cathode, an anode and a control elec-



trode, means to transfer the signal from said first tube to said third tube, a source of positive potential connected to the anode of said third tube and to the screen electrode of said second tube, said third tube controlling the screen potential and hence amplification of said second tube when said input signal is of a level to cause operation of said electric current operated device in the non-linear portion of its response characteristic thereby substantially to compensate for said non-linearity, said third tube being cut off when said input signal is of a level to cause operation of said device in the linear portion of its characteristic.

2,569,322
FISHING REEL
Elton C. Mayhew, Torrington, Conn., assignor to The Sterling Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application October 2, 1946, Serial No. 700,648
1 Claim. (Cl. 242—84.6)



In a fly-casting reel, a casing frame, a central shaft secured thereto, a spool mounted to rotate on said shaft, a ratchet wheel rigidly carried on said spool, a substantially triangular flat click pawl pivotally mounted on said frame and disposed for coaction on an apex thereof with said ratchet wheel, abutment means on said frame, a double bent substantially Z-shaped flat spring, and means on said casing frame to retain one angle portion of said spring in substantially fixed relation to said frame, said spring and said retaining means being so disposed that the open end extremity of said spring extending from said retaining means engages said abutment means on said frame, and the other extremity of said spring engages the side of said click opposite said apex.

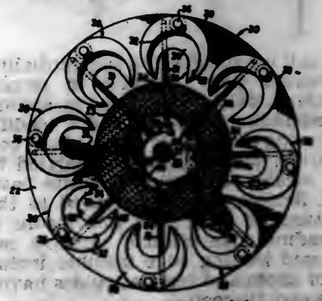
2,569,323
METHOD OF MAKING LIGHTWEIGHT AGGREGATE
Poole Maynard, Atlanta, Ga.
No Drawing. Application April 25, 1949, Serial No. 89,555
14 Claims. (Cl. 25—156)

1. The method of producing a lightweight aggregate from a hydrated, phosphatic, volcanic ash material having approximately the following composition:

	Dry Basis
	Per cent
Loss on Ignition (combined water)	9.31
Phosphoric Acid (P_2O_5)	14.94
Iron Oxide (Fe_2O_3)	6.34
Alumina (Al_2O_3)	18.12
Lime (CaO)	18.26
Magnesia (MgO)	0.84
Silica (SiO_2)	31.53
Fluorine (F_2)	0.29
Alkalies (Na_2O)	0.33

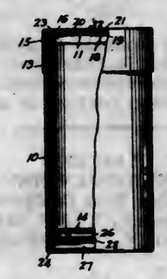
which comprises settling said material to remove the excess uncombined water therefrom, consolidating said material in a pug mill, extruding said material through a die of approximately ¼" diameter to form a rounded bar, cutting said bar into pellets, sanding said pellets to provide a surface coating thereon, firing said pellets in a rotary kiln for around 10 minutes at a temperature of approximately 1600° F. to 2100° F., and crushing the bloated pellets into a finely divided form.

2,569,324
POKER CHIP STAND
Robert B. Moyer, Los Angeles, Calif.
Application July 15, 1946, Serial No. 683,687
5 Claims. (Cl. 211—49)



1. A utility stand comprising a frame, a weighted member pivotally mounted in the frame on a vertical axis, a link making a journalled connection at one of its ends with the weighted member at a point spaced from a first side of said vertical axis, control means associated with the other end of the link actuatable for initially drawing the link in a given direction from a starting position of the weighted member in a manner to give the weighted member an initial rotating movement in said direction, and resilient stop means for limiting the rotation of said weighted member in said direction when said one end of said link has been rotated therewith to a second side of said vertical axis, substantially opposite said first side, said resilient stop means being positioned between the frame and the control means in a manner to return the control means to said starting position such that similar actuations of the control means operate to draw said one end of said link around said vertical axis in alternately opposite directions.

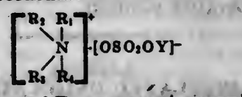
2,569,325
TUBULAR DISPENSING CONTAINER
Victor Muscat, Atlantic Beach, and Harold F. Temple, Elmont, N. Y., assignors to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application January 11, 1947, Serial No. 721,610
8 Claims. (Cl. 222—387)



1. A dispensing container comprising an elongated tubular container member adapted to hold material to be dispensed, said member having a substantially semi-circular flat end wall closing slightly more than half of one end thereof and being open at the other end thereof, and a tubular rotatable cap member having an end wall of substantially the same size and shape as the end wall of the container member, and interengaging beads on said members securing the members together against separation and permitting relative rotation thereof, the beads being adjacent the end walls and extending inwardly of the members, and a movable tubular bottom in the container member having an upper portion reduced in diameter to clear the beads when the bottom is moved to the top of the container.

2,569,326
UNSYMMETRICAL QUATERNARY AMMONIUM ALKYL SULFATES
Joseph B. Niederl, Brooklyn, N. Y., William F. Hart, Easton, Pa., and Martin E. McGreal, Sommerswerth, N. H., assignors to J. B. Niederl & Associates, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 20, 1948, Serial No. 41,728
13 Claims. (Cl. 260—247.1)

1. Quaternary ammonium alkyl sulfates of the following formula:



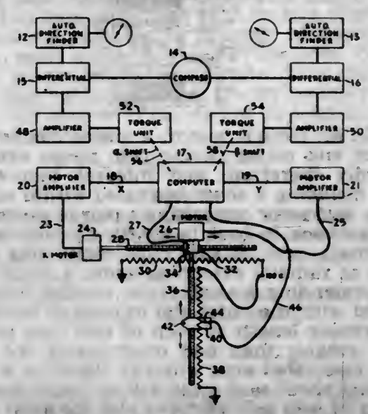
wherein, R_1, R_2 and R_3 represent organic residues of which at least two may form together with the nitrogen atom a heterocyclic nucleus, R_4 and Y represent alkyl groups, the number of carbon atoms present in the alkyl group Y being at least equal to the sum of the number of carbon atoms present in the cation.

2,569,327
ELECTRON BEAM BENDER
Maximilian J. Obert, North Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1948, Serial No. 47,066
5 Claims. (Cl. 313—75)



1. An electron beam bender comprising a tubular member of non-magnetic material, a plurality of ring-shaped magnets supported in fixed spaced relation on said member, and resilient means extending longitudinally within said member and engaging the ends thereof to prevent longitudinal movement of said means relative to said member.

2,569,328
AUTOMATIC POSITION PLOTTER
Arthur C. Omberg, Baltimore, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application January 23, 1946, Serial No. 642,969
2 Claims. (Cl. 346—33)



2. A device for indicating the position of a mobile craft upon a chart of the area in which it is located by the use of the bearing and distance of a point of known location in said area comprising: a position marking means; a direction finder; a distance determining means; a source of voltage; a compass; a pair of voltage responsive driving means for driving said marking means across said chart in mutually perpendicular directions; means operable to derive from said source, voltages which are functions of the rectangular coordinates of said point; means differentially combining the output of said direction finder and said compass; means driven in accordance with said combined outputs and the output of said distance determining means to modify said derived voltages in accordance with functions of the true bearing and distance of said point from said

craft, thereby producing resultant voltages having magnitudes which are commensurate with the rectangular coordinates of the position of said craft in terms of a selected voltage distance ratio; means applying said resultant voltages to said driving means; and follow-up means reducing said resultant voltages as said position marking means approaches the location on said chart representative of the location of said craft in said area.

2,569,329

OPERATION IN ELECTROLYTIC ALKALI CHLORINE CELLS

Sidney G. Osborne, St. Davids, Ontario, Canada, and Aloysius Mitchell, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application August 29, 1947, Serial No. 771,394
11 Claims. (Cl. 204—98)

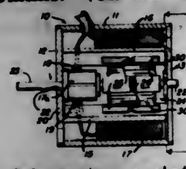
1. In the method of decomposing alkali metal chlorides in electrolytic alkali chlorine cells of the diaphragm type, the step of: introducing sulfur in oxidizable form into the anolyte in the cell in quantities between about 0.01 and about 1.0 per cent by weight of the aqueous chloride fed to the cell.

2,569,330

LIGHTWEIGHT ELECTRIC MOTOR

Canio Pace, Waterbury, Conn.

Application October 27, 1948, Serial No. 56,687
2 Claims. (Cl. 171—252)



1. In an electric motor, a stator comprising a pair of end plates having pole pieces extending inwardly therefrom and integral therewith, a rotor including a shaft journaled within said end plates, said rotor comprising a pair of slotted cups disposed back-to-back in abutting relationship on said shaft, each of said cups comprising a plurality of radially extending arms, a right angularly extending arcuate pole portion integrally formed with the outer end of each of said arms, the arcuate length of each of said pole portions being greater than and overhanging the width of its associated arm, whereby the rotor winding disposed about said arms will be constrained inwardly of said pole portions and the axial extent of said pole portions being beyond said winding whereby the overhanging outer ends will operate as a fan to cool said rotor.

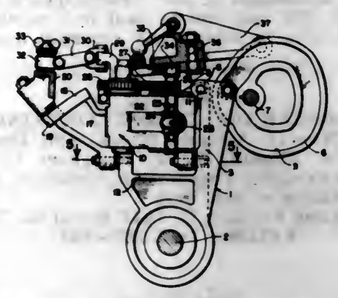
2,569,331

DEMOUNTABLE PITTING HEAD FOR PEACH PITTING MACHINES

Harry M. Pillars, San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California

Application June 30, 1947, Serial No. 758,159
5 Claims. (Cl. 146—28)

1. In a fruit pitting machine, the combination of: a fruit pitting head including side plates adapted to be contacted by the halved surfaces of fruit and rotatable pitting knives adapted to make a circular cut about the halved pits of said fruit; an oscillatable cradle including a radial arm and a tangentially extending bracket near the base end of said arm; means for removably securing said pitting head to said cradle for movement in unison with halved fruit progressed past said side plates, said means including center-



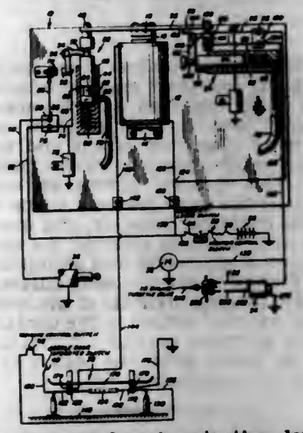
ing pins extending from the underside of said pitting head into said bracket and arm and bolt means securing said upper portion of head structure to said extended portion of said arm.

2,569,332

REMOTE-CONTROL ENGINE STARTER

Alfred R. Perkins, East Bridgewater, Mass.

Application February 2, 1948, Serial No. 5,818
12 Claims. (Cl. 290—38)



1. A remote control engine starting device comprising an engine having an electric starter operatively associated therewith, an electric circuit for actuating said starter, a throttle valve controlling said engine and means responsive to energization of said starter circuit for opening said throttle valve, said means including a solenoid connected to said starter circuit for energization thereby, and connecting linkage for opening said throttle valve by movement of the plunger of said solenoid, a spring for urging said solenoid plunger into its inoperative position and a latch yieldingly urged into position for locking said plunger into its operative position.

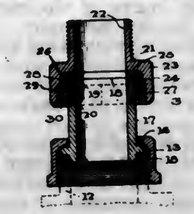
2,569,333

INSULATED UNION NIPPLE

Charles D. Peterson, Dallas, Tex., assignor to Universal Controls Corporation, Dallas, Tex., a corporation of Texas

Application July 8, 1949, Serial No. 103,647
6 Claims. (Cl. 285—16)

1. An insulating pipe fitting comprising in combination, a metal part having a bore including a shoulder at the bottom and a threaded length at the outer end, a tubular metal tail piece adapted to telescope loosely into said bore and having a groove in the outer surface above the inner end, a cup of elastic insulating material



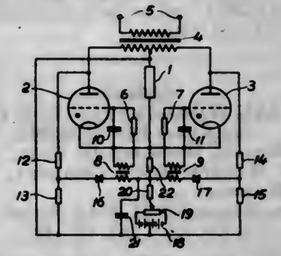
bottomed on said shoulder and tightly engaging the inner end of said tail piece and a two part ring of rigid insulating material closely fitting in said groove and threaded into said part to compress the cup between the part and tail piece.

2,569,334

MEANS FOR CONTROLLING IONIC VALVES

Carl Petterson, Vasteras, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application January 25, 1951, Serial No. 207,792
In Sweden December 9, 1949
1 Claim. (Cl. 315—272)



A device for grid-control of ionic valves by adjusting the firing point of the valves, comprising two ionic valves, a grid transformer for each valve, the secondary winding of each of said transformers being connected between the grid and the cathode of the ionic valves respectively, a circuit for each ionic valve including the primary winding of said transformer, a rectifier element in said circuit in series with said primary winding, a common branch of said circuits, a source of direct current in said common branch, means for adjusting the voltage of said current source, means supplying each circuit with voltage from a current source having a voltage proportional to the anode-supply applied to said valves respectively.

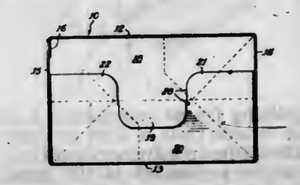
2,569,335

AUTOMATIC LOCK BOTTOM CARTON

Lawrence H. Phillips, Chattanooga, Tenn., assignor to O. B. Andrews Company, Chattanooga, Tenn., a corporation of Tennessee

Application June 9, 1949, Serial No. 98,103
2 Claims. (Cl. 229—39)

2. A rectangular lock bottom carton having two pairs of opposed side walls and a bottom, said bottom comprising a pair of substantially rectangular panels each of substantially carton length and half the carton width and hinged on the lower edge of a wall of one of said wall pairs, a pair of flaps each hinged on the lower edge of a wall of the other wall pair, a pair of tabs each hinged to one of said flaps along a line substantially bisecting an adjacent corner angle of the carton and secured to an end portion of one of said panels, whereby the carton may be erected from flattened condition with said bottom parts folded upwardly between said walls to erected condition with said bottom parts extended to close the space defined by the walls and with the free edges of said panels lying along one center line of the carton, a locking tongue projecting from the central portion of the free edge of one of said panels and having a locking edge at the end thereof adjacent the secured end of said one panel, and a pair of tongues projecting from the free edge of the other panel and having their inner ends spaced apart a distance



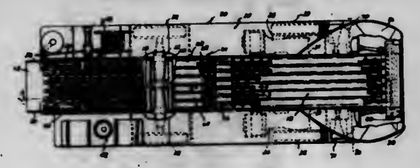
corresponding to the length of said locking tongue, one of said pair of tongues carried by said other panel having a locking edge at its inner end, each of said locking edges extending in a plane normal to the walls of said one wall pair, the tongues having said locking edges being adapted to yieldingly engage during erecting movement of the carton to urge each other upwardly against movement beneath a panel and each of said tongues having locking edges being at least as long at its base as at its free edge, and said locking edges being adapted to opposingly engage each other in erected condition of the carton to provide a lock substantially on said center line but spaced from the transverse center line of the bottom of the carton to hold the carton against collapse.

2,569,336

COAL MINE HAULAGE VEHICLE

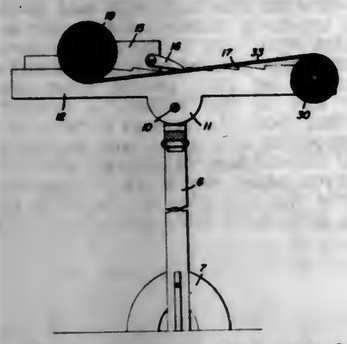
Charles A. Pratt, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application July 2, 1949, Serial No. 102,899
6 Claims. (Cl. 214—83.3Z)



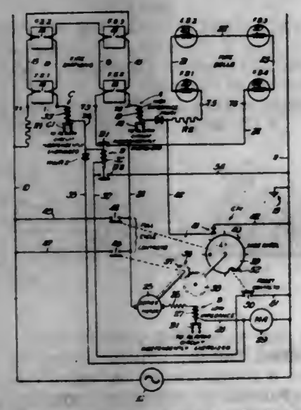
1. In a self-propelled vehicle for transporting loose material, having wheeled steering and driving means, a main frame having a centrally disposed longitudinally extending material carrying compartment, an elevating discharge chute at one end of said compartment, the combination therewith of a conveyor structure disposed along the bottom of said compartment and said chute including a plurality of aligned conveyor sections, each consisting of individual helical screws disposed in a parallel and closely adjacent relation with one another, for moving said material continuously along the bottom of said compartment and said chute.

2,569,337
QUILTING FRAME
Thomas M. Rice, Providence, Ky.
Application August 12, 1949, Serial No. 109,965
2 Claims. (Cl. 45—24)



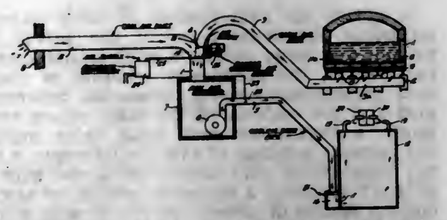
1. A quilting frame comprising a stand including a pair of side rails, a slide on each rail, means locking the slides in adjusted position on the rails, a front roller journaled at the front portion of the rails, a rear supply roller journaled on the slides for feeding a web to the front roller, and pawl and ratchet means for the rear roller including a pawl on one slide rockable into releasing position, and releasing means for the pawl comprising a slidably mounted lever on one side rail extending to a position at the front of the stand and having notches therein selectively engageable with said pawl in different positions of said slide.

2,569,338
SUPERVISORY AND CONTROL CIRCUIT FOR CODED FIRE ALARM SYSTEMS
Norman E. Richmond, Shelby, Ohio, assignor to The Autocall Company, Shelby, Ohio, a corporation of Ohio
Application December 29, 1949, Serial No. 135,639
19 Claims. (Cl. 177—367)



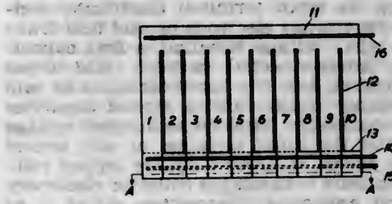
1. In a closed circuit master code fire alarm system arranged for energization from a source of alternating current one terminal of which is grounded, in combination, a first half wave rectifier connected to the ungrounded terminal of said source of alternating current, a plurality of fire bells each having a winding, a motor, circuit means connecting the aforesaid elements in series circuit relation in the order named and to said grounded terminal of said source of alternating current, a code wheel driven by said motor, a plurality of fire stations each having a pair of normally open contacts one of which is connected to said ungrounded terminal, a second half wave rectifier connected in series with said other contacts of said fire stations and to said grounded terminal of said source of alternating current; a control relay having normally closed contacts connected between the junction between said fire bell windings and said motor and the other contacts of said fire stations, and a winding connected between said second half wave rectifier and reset contacts responsive to said code wheel, signalling contacts operated by said code wheel and connected between the junction between said first half wave rectifier and said fire bell windings and said grounded terminal of said source of alternating current for energizing said windings of said fire bells, and contacts arranged to be closed on operation of said code wheel to maintain said motor energized for a complete cycle of operation of said code wheel, said first and second half wave rectifiers being connected so as to conduct the same half wave of alternating current whereby said winding of said control relay normally remains de-energized, the closure of any set of fire station contacts completing an energizing circuit through said control relay contacts to energize said motor sufficiently to drive said code wheel and energize said fire bells and to apply half waves of opposite polarity to said control relay winding to energize the same and open its contacts, thereby preventing operation of said series motor and code wheel beyond a complete cycle of operation of the latter.

2,569,339
COOLING WIND SYSTEM FOR GLASS-MAKING EQUIPMENT
Alan W. Russell, Wethersfield, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application December 21, 1949, Serial No. 134,202
2 Claims. (Cl. 49—40)



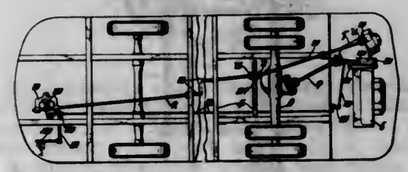
1. A cooling wind system for glassmaking equipment in a glass plant comprising a glass melting tank furnace in said plant provided with a space therebeneath containing air heated by the furnace structure to a temperature above normal room temperature, a glassware mold in said plant and to be cooled, a main air intake duct having a branch positioned to receive relatively warm air from said space beneath said furnace and a cool air branch positioned to receive cool air from the atmosphere outside the plant, means to proportion the relative amounts of the relatively warm air and cool air passing from the respective branches to said main air intake duct, a wind delivery pipe having a wind discharge outlet located in operative relation to said mold, means to blow the air supplied by said main intake duct into and through said wind delivery pipe, and automatically acting means responsive to the temperature of the air blown through said delivery pipe to regulably control the means to proportion relative amounts of relatively warm air and cool air passing to the main intake duct to maintain a substantially constant predetermined temperature in the air blown through the delivery pipe.

2,569,340
ELECTRIC WARMING ELEMENT
Bo Särnö and Arne Lindberg, Stockholm, Sweden, assignors to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application November 10, 1949, Serial No. 126,454
In Sweden February 21, 1949
2 Claims. (Cl. 219—46)



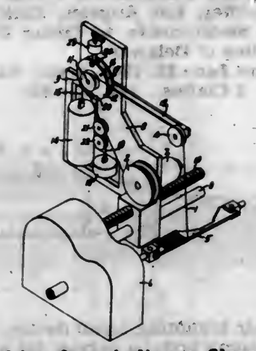
1. An electric warming element, comprising a warming body of semi-conducting single ply non-rigid vinyl material in the shape of a comb with a plurality of parallel flaps of substantially equal width extending from the integral part of the comb and forming the teeth, an insulating strip of sheet material interposed between the ends of the flaps with said ends alternately located at opposite sides of said strip, a common lead connected to the ends of the flaps at one side of said strip, and a common lead connected to the ends of the flaps at the other side of said strip.

2,569,341
V-GEAR TRANSMISSION
Hans O. Schjolin, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 5, 1945, Serial No. 626,680
8 Claims. (Cl. 74—760)



1. In a power transmission assembly, a power input sleeve having adjacent input and reduction output gears, a compartment for said gears with bearings in either wall thereof for said sleeve, a main output shaft supporting a plurality of freely revoluble gears and carrying clutches for coupling individually to said freely revoluble gears, a countershaft member having gears at either end for transmitting reduction speed ratios to said main shaft supported gears and having a centrally located power input gear driven from said sleeve gear, a bearing adjacent said input gear supported by one wall of said compartment and said output gears and mating countershaft gears being arranged into two groups one of which is at one side of the said power input gear and the other of which is at the other side of said power input gear.

2,569,342
HIGH-SPEED WIRE TENSION DEVICE
Benjamin B. Scott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 22, 1949, Serial No. 82,887
7 Claims. (Cl. 242—45)



1. A machine for winding a filament of elongated material from a supply reel onto a supporting member including means for applying a rewinding torque to the supply reel and reducing fluctuations in the tension in said filament arranged between said supply reel and said support comprising a counter-balanced tension compensating means having a radial arm rotatable about a fixed axis, a guide pulley rotatably mounted upon said arm, said pulley comprising with said reel and said member a path for said filament, said tension compensating means being capable of altering the length of said path to compensate for changes in tension, and restoring means engaging said tension compensating means tending to maintain said tension compensating means in a predetermined normal position, and means connected for damping oscillations of said arm by a force increasing upon deviation from said normal position.

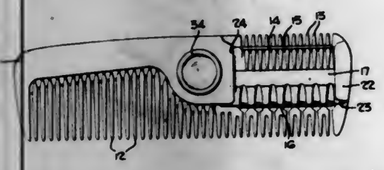
2,569,343
DEFLECTION COIL ARRANGEMENT
William E. Scull, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1949, Serial No. 78,487
11 Claims. (Cl. 313—76)



1. An electron beam deflection yoke comprising a plurality of deflection coil conductors longitudinally disposed with reference to the axis of said yoke and substantially uniformly distributed so as to define boundaries of a utilization envelope in which a magnetic flux pattern produced by current flow through said deflection coil conductors is active to produce an electron beam deflection influence, and a closed loop winding disposed longitudinally with reference to the axis of said yoke and further positioned with reference to the boundaries of the utilization envelope to distort in a predetermined manner the mag-

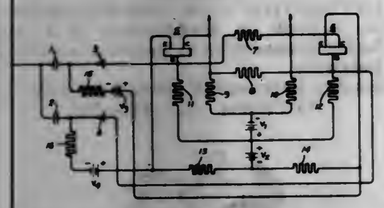
netic flux pattern otherwise produced in said envelope by said current flow through said deflection coil conductors.

2,569,344
HAIR TRIMMING COMB
Norbert Shaeffer, Los Angeles, Calif., assignor, by mesne assignments, to Cutter Corporation, a corporation of Delaware
Application June 20, 1949, Serial No. 100,143
3 Claims. (Cl. 30—30)



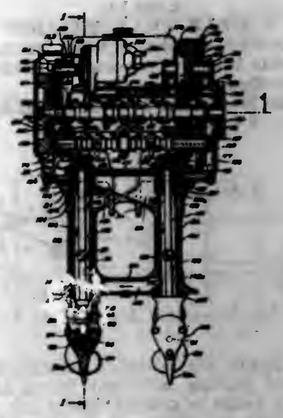
2. In a hair trimming comb device, the combination of a comb body, a carrier for a sharpened blade, means for mounting the carrier for sliding movement relative to the comb body, a two-part rotary control member, the two parts being assembled into unitary operative relationship from opposite sides of the comb body, a rack on the carrier, a gear on one of the parts of the rotary control member meshing with the rack whereby the rotary control member may advance and retract the carrier, and rotation lock means on the comb body and the other part of the rotary control member selectively engageable through axial movement of the rotary control member.

2,569,345
TRANSISTOR MULTIVIBRATOR CIRCUIT
Richard F. Shea, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application March 28, 1950, Serial No. 152,337
3 Claims. (Cl. 171—97)



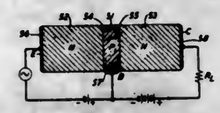
3. In combination, a first and a second transistor each having an emitter electrode, a collector electrode and a base electrode, a resistance being interconnected between the base electrode of said first transistor and the collector electrode of said second transistor, a resistor being interconnected between the collector electrode of said first transistor and the base electrode of said second transistor, a direct-voltage source having a negative and a positive terminal, a resistor being interconnected between the collector electrode of said first transistor and the negative terminal of said voltage source, a resistor being interconnected between the collector electrode of said second transistor and the negative terminal of said voltage source, a resistor being interconnected between the base electrode of said first transistor and the positive terminal of said voltage source, a resistor being interconnected between the base electrode of said second transistor and the positive terminal of said voltage source, an electrical connection being interconnected between the emitter electrode of said first transistor and the positive terminal of said voltage source, another electrical connection being interconnected between the emitter electrode of said second transistor and the positive terminal of said voltage source, a first unidirectional impedance device having its output terminal connected to the base electrode of said first transistor and having its input terminal electrically connected to the emitter electrode of said second transistor, a second unidirectional impedance device having its output terminal connected to the base electrode of said second transistor and having its input terminal electrically connected to the emitter electrode of said first transistor, an input voltage terminal, a first capacitor being interconnected between said input voltage terminal and the input terminal of said first impedance device, and a second capacitor being interconnected between said input voltage terminal and the input terminal of said second impedance device, whereby a square topped voltage wave appears between the collector electrodes of said first and second transistors which is at a frequency equal to one-half the frequency of a positive voltage which is applied between the positive terminal of said voltage source and said input voltage terminal.

2,569,346
TWIN PROPELLER MARINE MOTOR PROPULSION AND STEERING UNIT
John J. Shively, New York, N. Y.
Application July 24, 1947, Serial No. 763,200
8 Claims. (Cl. 115—18)



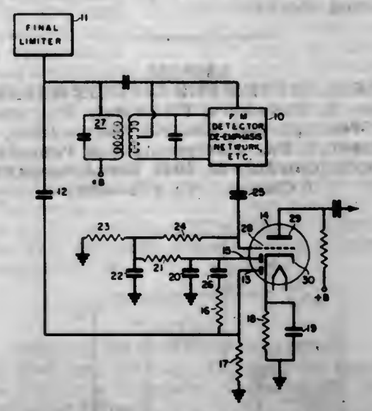
1. In an outboard propulsion unit, in combination, an engine, two substantially horizontal propeller shafts, propellers on said shafts, vertical driving means operatively connecting said engine and said shafts, steering means including a swinging head to swivel said shafts and said propellers, said vertical driving means being operable by said engine to exert torques on said steering means in opposite directions, whereby torque resistance to operation of said steering means may be eliminated, and manual means operable through said head to vary the relative axial orientation of said shafts.

2,569,347
CIRCUIT ELEMENT UTILIZING SEMICONDUCTIVE MATERIAL
William Shockley, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,423
34 Claims. (Cl. 332—52)



1. A solid conductive device for controlling electrical energy that comprises a body of semiconductive material having two zones of one conductivity type separated by a zone of the opposite conductivity type, said two zones being contiguous with opposite faces of said zone of opposite conductivity type, and means for making electrical connection to each zone.

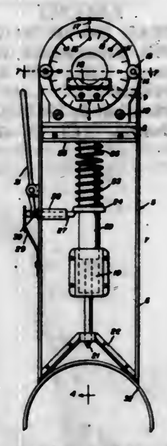
2,569,348
SQUELCH CIRCUIT
Raymond F. Smeltzer, Towson, Md., assignor to Bendix Aviation Corporation, Towson, Md., a corporation of Delaware
Application May 28, 1946, Serial No. 672,746
5 Claims. (Cl. 250—20)



3. In a receiver of radiant energy signals; a squelch circuit comprising a detector responsive to the energy of a desired signal; an electric discharge device comprising an anode, a cathode and a control electrode; means impressing the output of said detector upon the said control electrode; a pair of rectifiers connected in cascade; means impressing on said rectifiers a bias responsive to space current flow through said device; means impressing the energy applied to said detector upon the first of said cascaded rectifiers; means integrating the output of said rectifiers and means impressing the integrated output upon said control grid.

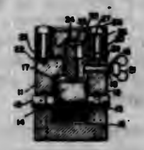
2,569,349
MARKING TOOL FOR PIPES OR THE LIKE
Everett Smith, Odessa, Tex.
Application March 4, 1948, Serial No. 13,003
1 Claim. (Cl. 33—189)

An angle indicating and marking tool comprising an elongated frame including a back plate and forwardly projecting flanges at its side edges, a substantially V-shaped frame secured in inverted position to the lower end of the back plate between the flanges and adapted for seating on round work, a flat upstanding head secured to the upper end of the back plate between the flanges, a protractor including a circular plate rotatably carried at the face of the head, locking means securing the protractor in adjusted position, a spirit level on the protractor in a recessed position between the flanges, a



guide secured to the front side of the back plate between the V-shaped frame and the head, a spring projected plunger slidably carried by the guide in a recessed position between said flanges and having a marking point at its lower end, a guide at the center of the inverted V-shaped frame for the lower end of the plunger, and trip released catch means holding the plunger in a retracted position.

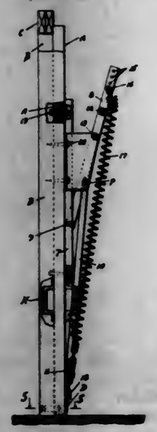
2,569,350
BORDER FACER
Howard A. Smith, Dayton, Ohio
Application September 28, 1948, Serial No. 51,629
1 Claim. (Cl. 80—55)



In a device for forming notches in the edge of a type bar, the combination of, a main block having upstanding side walls defining a central channel, a serrated roll journalled in said side walls and extending transversely of said channel, one of said side walls having an inwardly extending flange positioned above said roll, a plate within said slot adjustably supported by the other of said side walls for movement relative to said flange and disposed substantially in horizontal alignment with said flange, said plate and said flange defining a slot adapted to receive a type bar, a top block separable from said main block for relative movement therebetween and having depending side walls defining a central slot aligned longitudinally with said slot defined in said main block and having one wall thereof aligned vertically with said flange to cooperate therewith to support a type bar vertically within said slots defined in said main block and said top block, a pressure roll carried by said top block over said serrated roll with the axis thereof sub-

stantially parallel with the axis of said serrated roll, guide means extending between said blocks for guided movement of said top block relative to said main block, and spring means engaging said top block yieldably urging the same toward said main block whereby to apply pressure upon a type bar placed between said rolls.

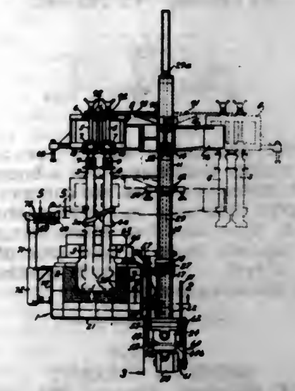
2,569,351
OVERHEAD DOOR MOUNTING
Norman W. Smith, Clearwater, Calif., assignor to Tavart Company, Ltd., Los Angeles, Calif., a limited partnership
Application September 5, 1945, Serial No. 614,509
6 Claims. (Cl. 16—129)



1. A mounting adapted to be used in pairs for hanging an overhead door, a straight bar adapted to be secured to a door, an angular bracket having two right angular portions one of which is adapted to be secured to a jamb of the door frame, a straight lever pivoted at one end to said bar and fulcrumed between its ends on the other right angular portion of said bracket, a straight drag link pivoted at its ends to said other right angular portion of said bracket and to said bar respectively, means providing for a vertical adjustment of the pivot connecting the link with said bracket, and means on the other end of said lever affording the connection thereto of a counter-balancing spring.

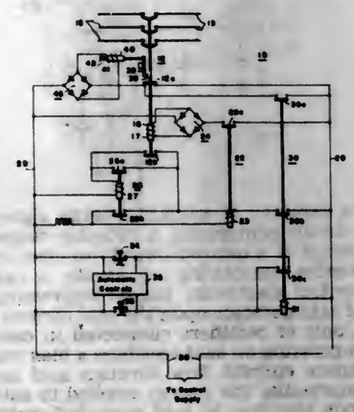
2,569,352
STIRRING APPARATUS FOR GLASS IN FOREHEARTHS
William P. Spigener, Elmwood, Conn., assignor to Emhart Manufacturing Company, a corporation of Delaware
Application July 29, 1949, Serial No. 107,574
8 Claims. (Cl. 259—104)

1. A stirring apparatus for molten glass in a forehearth comprising a stationary vertical tubular support fixed to one side of the forehearth, a tubular column extending through and rotatably supported in said stationary tubular support, said tubular column including a vertically movable portion extending above the level of the forehearth, a substantially horizontal supporting arm projecting from said vertically movable portion of the column above and in overhanging relation to the forehearth, a jack screw rotatably mounted in said column, a nut secured to said vertically movable portion of the column and threadedly engaged with said jack screw, driving means carried by said column for operating the jack screw selectively in either of opposite directions to raise or lower said arm, a vertical spindle rotatably mounted on said arm in a position above the forehearth, a vertical stirrer operatively connected to said spindle to depend into the forehearth to an operative position therein when said arm is



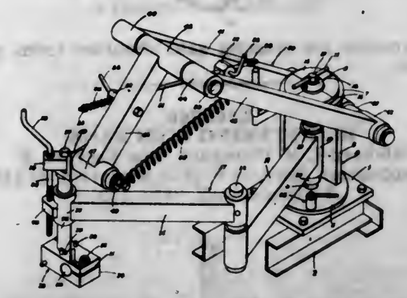
in a relatively lowered position above the forehearth, and driving means mounted to move with said column when the latter is turned angularly about its axis and operatively connected with said spindle to rotate said spindle and the stirrer connected therewith.

2,569,353
CONTROL SYSTEM FOR CIRCUIT BREAKERS
William R. Taliaferro, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 22, 1948, Serial No. 40,079
5 Claims. (Cl. 175—294)



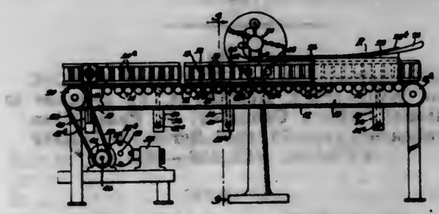
5. A control system for a circuit breaker having an operating winding comprising, a closing relay disposed to be energized from a source of control voltage to effect energization of the operating winding to close the breaker, a cutoff relay operable in response to closing of the breaker to effect deenergization of the closing relay, a latch device operable to a latching position in response to energization with greater than a predetermined value of control voltage to secure the breaker in a closed position, a master relay operable to complete separate energizing circuits for the latch device and the closing relay, and circuit means including normally closed contact members of the breaker connected to complete a separate operating circuit for the latch device when the breaker is open.

2,569,354
STRAIGHT-LINE-MOTION SWINGING SAW SUPPORT
Mearl V. Tracy, Pasadena, Calif.
Application November 22, 1946, Serial No. 711,789
3 Claims. (Cl. 143—46)



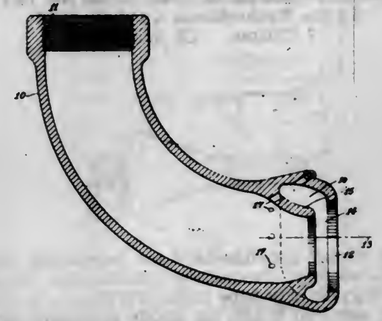
1. A tool support comprising a base, a column unit upstanding from the base, an articulated supporting arm assembly mounted adjacent the column unit and projecting for articulation in a horizontal plane, an articulated guiding arm assembly mounted on the column and projecting in generally the same direction as the supporting arm assembly and spaced vertically of the latter, a tool attachment unit, such unit including a base and a vertically disposed spindle upstanding from the base, the outer end of the supporting arm assembly being turnably mounted about said spindle, a horizontal pivot pin, the outer end of the guide assembly being turnably mounted about said pivot pin, clamping means interposed between the pivot pin and the spindle and effective to maintain the pivot pin rigid with respect to the spindle, and means to adjust the spindle vertically with respect to the supporting arm assembly.

2,569,355
STAPLE STITCHING MACHINE
Orville M. Tubbs, Chicago, Ill., assignor to Inland Wire Products Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1949, Serial No. 116,302
4 Claims. (Cl. 1—2)



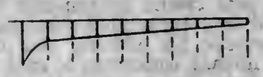
3. In a stitcher to secure a wrapping about bundles of roofing or like flexible material, the improvement comprising a cupped carrier for the bundles having movable elements operative to impart motion to the bundles along a predetermined path, a drive shaft, means operable to move said elements intermittently as said shaft rotates continuously, a switch operatively associated with the shaft to assume the actuated position when the shaft is in the position of dwell of the carrier, spaced switches operative to engage the bundle at fixed points along the path of travel and be actuated thereby, a stitcher adapted to stitch the wrapping along lines parallel to the said path of travel as the bundle travels along the path and is adjacent the positions of said last switches, and means operative to energize the stitcher when all of said switch elements are actuated simultaneously.

2,569,356
GAS FLAME RETENTION ELBOW BURNER NOZZLE
Alexander J. Turpin, Stewart Manor, N. Y., assignor to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application September 4, 1946, Serial No. 694,737
1 Claim. (Cl. 158—116)



A burner member for combustible gas media, comprising a tubular elbow of substantially 90° curvature and of relatively long sweep and an entrance end adapted for connection to a source of combustible medium, the elbow terminating in flanged means at its opposite end inwardly directed to afford a single discharge opening of cross-sectional area at least equal to the bore of the elbow and located eccentrically with respect to the axis of curvature thereof, the eccentric displacement of the discharge opening being substantial and toward the elbow wall of greater radius of curvature to locate the outer portion of its circumference in proximity to said wall; and an annular internal wall extending inwardly from the elbow wall and the flanged means near said opposite end to form a second discharge opening of smaller cross-sectional area than that of the said discharge opening, inwardly displaced with respect thereto and coaxial therewith, said annular wall having ports therein adjacent its junction with said elbow wall, said annular wall forming also between the flanged means and the annular wall in advance of the two discharge openings an annular pocket communicating with the first-named discharge opening.

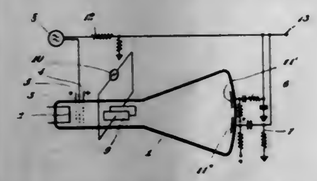
2,569,357
PROCESS FOR CRYSTALLIZING SOLUTIONS
László Vàhl, Muiderberg, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands, a company of the Netherlands
Application June 1, 1948, Serial No. 30,395
In the Netherlands June 5, 1947
1 Claim. (Cl. 23—295)



In a process for crystallizing solids from a solution thereof which comprises continuously flow-

ing through a successive series of cooling zones the crystallizing solution, supplying to the first of said zones a quantity of the solution that is less than half the total quantity of the solution to be crystallized, supplying to each successive zone in diminishing quantity a portion of the remainder of the total quantity of said solution, crystallizing the solid from the solution in the succeeding zones, and withdrawing the crystallized solution only from the last zone.

2,569,358
APPARATUS FOR PHASE MODULATING HIGH-FREQUENCY OSCILLATIONS
Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 10, 1948, Serial No. 14,114
In the Netherlands April 29, 1947
7 Claims. (Cl. 332—25)



7. A circuit arrangement for producing phase-modulated high-frequency oscillations comprising a cathode-ray tube including means to generate an electron beam, an anode structure constituted by two output electrodes positioned to intercept said beam, said beam forming an electron line transversely on said output electrodes and means to deflect said electron line longitudinally along said output electrodes, means to apply high-frequency oscillations to said tube to vary the beam current flowing to said output electrodes in accordance therewith, means to apply a modulating wave to said deflection means to displace said beam along said output electrodes in accordance therewith thereby to vary the amplitude of the high-frequency current supplied to said output electrodes in a prescribed relationship to said modulating wave, a phase-shifting network connected to said output electrodes to produce high-frequency oscillations in the output thereof of identical frequency and constant phase difference which are amplitude-modulated in accordance with the instantaneous value of the modulating wave, and means to combine the oscillations yielded in the output of said network to produce phase-modulated high-frequency oscillations.

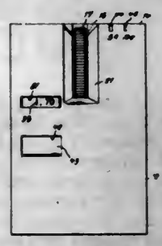
2,569,359
THERMOSTATIC VALVE
John Vellinga, Elgin, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application July 8, 1948, Serial No. 37,708
6 Claims. (Cl. 236—34)

1. A thermostatic valve comprising a housing having a port in one wall, a thermo-responsive unit bottomed on a wall of said housing opposite to said port having a casing containing an expansible substance and a piston slidable in and out of said casing in response to changes in volume of said expansible substance, a valve pivotally mounted for opening and closing said port, and a linkage connected to said valve having an open loop portion adjacent one end and a shoulder portion at the other end aligned with said piston for contact thereby as said piston moves out of said casing, said loop portion being



deformable for spacing said shoulder from said piston.

2,569,360
REGISTERING COIN BANK
Richard I. N. Weingart, New York, N. Y.
Application January 5, 1949, Serial No. 69,349
5 Claims. (Cl. 235—100)



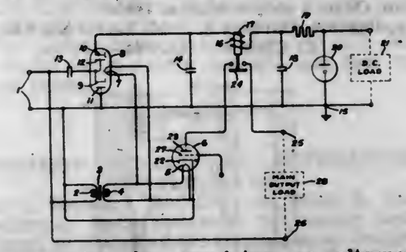
1. A self registering coin bank provided with a housing having plural openings including a coin opening and a ticket-delivering opening, a manually movable coin carrier provided with a portion extending through one of such openings for actuation by the depositor, plural pre-printed tickets sequentially arranged in the housing and means for delivering a ticket to the depositor upon actuation of such means after a coin has been received by the coin carrier, the outermost delivered ticket having imprinted thereon a sum equal to the total of previous deposits, a figure representative of the value of the coin denomination deposited, and the total of the sum and coin value, the ticket in said arrangement adjacent the outermost ticket having imprinted thereon figures representative of the latter total, the aforesaid value and the sum of the latter total and value, and means in said housing for viewing that portion of the said adjacent ticket, whereby only the said figure representative of the last mentioned sum is visible.

2,569,361
ELECTROCHEMICAL CELL DIAPHRAGM
Eugene Willihnganz, Buffalo, N. Y., assignor to National Battery Company, St. Paul, Minn.
Application June 27, 1947, Serial No. 757,350
5 Claims. (Cl. 136—145)



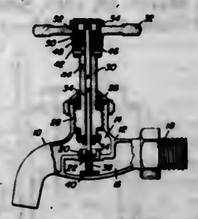
1. A diaphragm for an electro-chemical cell comprising a porous ligno-cellulose base material and a film coating attached thereto at a surface portion thereof of a mixture consisting of plasticized vinylidine chloride and an acid-resistant powdered solid contained therein, said coating and diaphragm being porous.

2,569,362
DELAY CIRCUIT
Charles G. Yates, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 15, 1948, Serial No. 38,919
2 Claims. (Cl. 171—97)



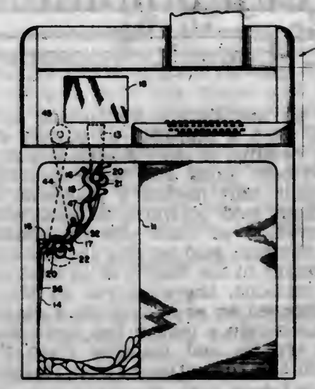
1. Apparatus for supplying an alternating voltage load and a D.-C. load from an alternating voltage source comprising a grid-controlled electronic discharge device having a heater and further comprising a cathode and an anode connected, to be supplied from said source and in series with said alternating voltage load, means operative after an initial time delay for rectifying voltage from said source, and a filter network connected to the output of said rectifying means and having connections for supplying said D.-C. load and further comprising a shunt input capacitor, a shunt output capacitor and a relay operative to connect and disconnect said discharge device from said alternating voltage load respectively upon energization and de-energization thereof, said relay having a highly inductive winding forming a continuously unbroken circuit between said D.-C. connections and said rectifying means.

2,569,363
EMERGENCY SHUTOFF FOR FAUCETS
James P. Young, Paterson, N. J.
Application March 21, 1949, Serial No. 82,598
2 Claims. (Cl. 251—43)



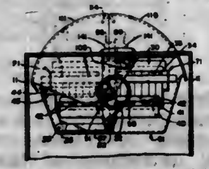
1. In a faucet having a shell and a seat structure in the shell having a threaded bore, an emergency valve structure comprising a lower shaft in said shell, a threaded portion at the bottom of said shaft received in said threaded bore, a valve carried at the free end of said threaded portion, means for raising and lowering said lower shaft whereby said valve selectively opens and closes said seat structure, said means including an upper shaft, means for yieldingly retaining said upper shaft in a preselected position whereby, when said upper shaft is depressed, it will engage said lower shaft to effect turning thereof, said upper shaft including a tongue at its bottom end, said lower shaft including a groove in its upper end adapted to receive said tongue, said retaining means including a faucet handle formed with a recess, a resilient packing in said recess about said upper shaft, and a bushing engaging said packing urging the latter against said upper shaft.

2,569,364
TAPE FEEDING AND STORAGE DEVICE
Walter J. Zenner, Des Plaines, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application October 17, 1947, Serial No. 780,424
5 Claims. (Cl. 271—2.1)



1. In a tape feeding and storing apparatus, a tape storage bin, a stationary corrugated guide member, a movable corrugated guide member having longitudinal slots therein, a plurality of rotary eccentrics for imparting circular motion to said movable corrugated guide member, said corrugated guide members cooperating to guide and advance a tape into the storage bin, whereby the tape is engaged by the movable corrugated guide member during the forward movement thereof, and a plurality of stationary members protruding through said longitudinal slots during the backward movement of said movable corrugated guide member to prevent the tape from adhering to said movable corrugated guide member during the backward movement thereof.

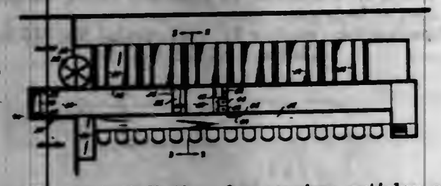
2,569,365
COOKING DEVICE
Benjamin Wilson Badenoch, Los Angeles, Calif.
Application June 4, 1946, Serial No. 674,301
20 Claims. (Cl. 99—334)



2. In a cooking device, the combination of: receptacle means comprising a plurality of relatively movable parts fitting together to form a cooking surface; means for effecting relative movement of said parts to loosen the surface of the product on the cooking surface first from one of the parts and then from the other; means pivotally mounting the parts as a unit for inversion of the receptacle means for effecting in-

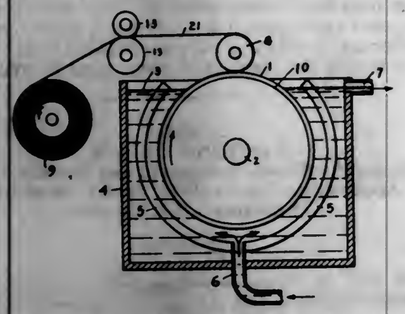
version of the receptacle simultaneously with the movement of said parts; and timing means for instituting said movements of the parts and receptacle after a predetermined cooking time has elapsed.

2,569,366
RAPID SERVICE MEANS
Laurelle W. Bailey, Los Angeles, Calif.
Application July 16, 1948, Serial No. 38,149
2 Claims. (Cl. 186—1)



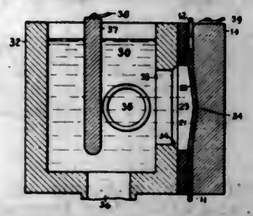
1. In an installation for serving articles and material onto a plurality of patron stations of varying heights, a mobile service unit mounted for movement along and between such stations, said mobile unit having a platform, a support rising from said platform at each end thereof and providing at least one horizontal serving surface thereon, said serving surface corresponding in height to the height of at least one of said patron stations, the supports on the platform being disposed so as to provide a station therebetween wherein a person has room to stand for moving articles and material from the mobile unit onto the respective patron stations.

2,569,367
ENDLESS METAL BELT AND METHOD OF MAKING THE SAME
Donald B. Bradner, Washington, D. C., and William B. Stoddard, Jr., and Philip S. Blickensderfer, Hamilton, Ohio, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Application January 8, 1946, Serial No. 639,866
13 Claims. (Cl. 74—232)



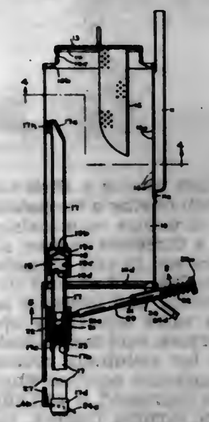
7. An endless flexible metal belt adapted for use in the manufacture of cast surfaced coated paper and similar operations, characterized by a substantial uniformity of thickness and of physical properties throughout its extent, said belt comprising at least one strip of metal and at least one weld which is composed of metal which is in contact with the strip metal along interfaces which extend completely through, and are slightly and oppositely inclined to the surface of, the belt; the metallographic structure of the metal of said strip being characteristic of metal electrolytically deposited on a cathode substantially parallel to the surface of said strip, and the metallographic structure of the metal of said weld being characteristic of metal electrolytically deposited on and between said inclined interfaces.

2,569,368
JOINING METAL PARTS
Donald B. Bradner, Washington, D. C., and William B. Stoddard, Jr., and Philip S. Blickensderfer, Hamilton, Ohio, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Application January 8, 1946, Serial No. 639,867
17 Claims. (Cl. 204—16)



1. Electrolytic method of welding together edges of sheet metal, which comprises: placing the edges to be joined in proximate relation and holding them firmly, throughout the length to be joined, in the relative positions they are to occupy after welding; forming a trough for the reception of weld metal and filling the space between said edges with an electrical conductor, in such manner that said electrical conductor forms the bottom of said trough and lies completely outside the plane of the sheets, and said trough has a width much greater than its depth, gently sloping sides and a smooth continuous uninterrupted electrically conducting surface throughout its extent; preparing the surface of said trough so that metal electrolytically deposited thereon will be strongly adherent to the surfaces to be joined; then electrolytically depositing weld metal in said trough until it has at least reached the level of the upper surface of the adjacent metal sheet.

2,569,369
DUSTING DEVICE
Henry E. Brandt, North St. Paul, Minn.
Application March 29, 1945, Serial No. 585,456
9 Claims. (Cl. 43—147)



1. A dusting device having in combination, a container forming a dust receiving chamber and

casing, a discharge conduit projecting at the front end of said chamber and communicating with said chamber, an air supply conduit extending into said casing and communicating with said chamber, the same projecting at the rear end of said casing and being adapted to be connected to a source of air under pressure, a handle having one end secured to one side of said container at said rear end, said handle having a portion extending upwardly and rearwardly, said handle having a grip portion extending downwardly and rearwardly from said first mentioned portion, having a third portion extending from said grip portion downwardly and having a fourth portion extending forwardly substantially parallel to a side of said casing and connected to said casing at a point substantially opposite said first mentioned portion.

2,569,370
METHOD FOR TREATING PETROLEUM DISTILLATES
John G. Browder, Houston, and Alvin R. Smith, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application February 19, 1949, Serial No. 77,448
2 Claims. (Cl. 196—32)

1. A method for sweetening a sour petroleum distillate containing mercaptans and having a final boiling point no greater than 750° F. which comprises adding to said distillate a naphthenic acid in a small but effective amount no greater than 1% by volume of said distillate and then contacting the distillate containing added naphthenic acid with a small amount no greater than 5% by volume of said distillate of a solution of an alkali metal hydroxide while adding a sufficient amount of a mild oxidizing agent to convert the mercaptans to disulfides and to obtain a sweetened distillate.

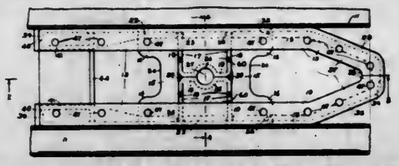
2,569,371
PIVOTED SPRING CLIP
William Cohen, New York, N. Y.
Application February 9, 1950, Serial No. 143,209
1 Claim. (Cl. 24—252)



A garment clip of the character described, comprising a pair of grip members having manipulating portions at one end and coacting jaws at the other end, a pintle for pivotally uniting said grip members, hook-shaped ears on said grip members which engage said pintle to dispose the two grip members in coacting, pivotal relationship, flange formations on the manipulating portions, and a U-shaped spring member mounted between said manipulating portions wholly on one side of said pintle with the convex surface of its yoke portion resting upon the pintle and with its end portions freely nesting within the flange formations, and being the sole means of non-removably confirming the pintle within said hook-shaped ears.

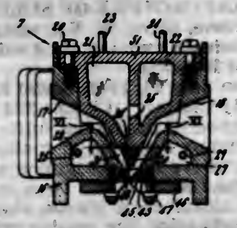
2,569,372
CENTER FILLER AND DRAFT GEAR STOP
Thomas A. Collison, Mount Vernon, Ill.
Application August 25, 1945, Serial No. 612,669
11 Claims. (Cl. 213—57)

11. A center sill filler comprising a pair of side plates having inwardly directed top and bottom flanges, and a bracing structure between said side plates connecting said side plates and flanges, said side plates extending forwardly from said bracing structure and having inwardly directed vertical flanges at the forward ends thereof, draft gear stop plates each welded to the vertical flange and to the top and bottom flanges of one of said side plates, said stop plates being carried solely by said side plates, a reinforcement for said stop plates comprising channel shaped leg portions



of uniform cross section extending through said vertical flanges and having the forward end edges thereof welded to said stop plates and the legs thereof welded to said side plates substantially midway of the height thereof, and a transverse bracing portion connecting said leg portions of said reinforcing members at the other ends thereof and extending between said side plates between said bracing structure and said stop plates in longitudinally spaced relation to said bracing structure.

2,569,373
DIE HEAD FOR MULTIPLE EXTRUSION
Patrick Fay, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 21, 1948, Serial No. 50,327
14 Claims. (Cl. 18—13)



9. An apparatus for extruding composite materials comprising, a die head, three independent extruders having their axes radially extending from and connected to the die head, said die head comprising a block including walls defining passageways horizontally communicating with each extruder and terminating in a common opening at right angles thereto, an upper member and a lower member constituting the die head block, a triangular shaped bar having its base resting against the upper member with its adjacent sides forming a continuation of the walls of said passageways, a projection extending from the triangular shaped bar for forming a divisional wall between two of said passageways, and an adjusting means for moving the triangular shaped bar in a longitudinal direction for varying the position of the projection constituting the divisional wall between said passageways.

2,569,374
LETTERING PENCIL
Albert Felice, Philadelphia, Pa.
Application December 7, 1948, Serial No. 63,951
1 Claim. (Cl. 120—19)

A lettering pencil comprising a flat tubular handle having a single longitudinal slot in only

one of the broad sides thereof, said handle having a flat writing element snugly fitted in the bore of said handle, a shoe slidably mounted in the bore of said handle for endwise abutting contact with the inner end of said writing element, a threaded post carried by said shoe as a unitary part thereof and projecting through said slot, a

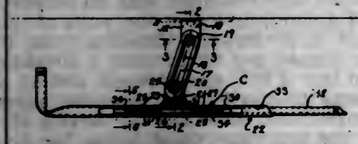


resilient connector mounted on said post outside of said handle and provided with a pointed finger projecting through said only slot into the handle bore to slightly penetrate the marking element due to the resiliency of said connector, and a jamb nut on said post to hold the connector in place and clamp the parts in any adjusted position longitudinally of the handle.

2,569,375
MANUFACTURE OF SULFUR
George H. Grove, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application July 24, 1947, Serial No. 763,336
11 Claims. (Cl. 23—224)

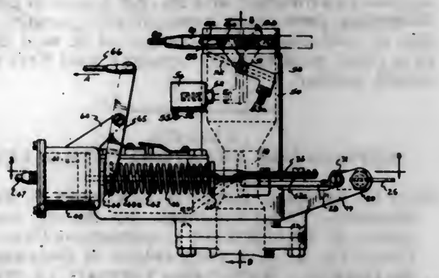
1. The method of producing sulfur which comprises introducing a stream of molten sulfur at a temperature above 200° C. into a stream of an expanding gas substantially inert to sulfur, condensing the sulfur to a plastic state, collecting and then masticating the condensed sulfur.

2,569,376
ADJUSTABLE DRAPERY CRANE
Joseph V. Graber, Middleton, Wis., assignor to The Graber Company, a partnership, Middleton, Wis.
Application February 20, 1950, Serial No. 145,303
2 Claims. (Cl. 211—105.3)



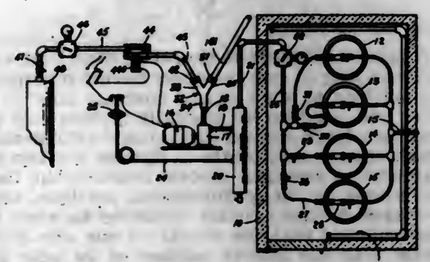
1. A drapery crane comprising a supporting fixture adapted to be secured to a window and door opening, a swinging crane arm pivotally secured to the fixture, a supporting bracket carried by the outer end of the swinging crane arm, a hollow drapery rod having walls and a longitudinally extending slot on its inner face, and a friction locking means carried by the bracket including oppositely extending resilient legs received within the hollow rod, said legs having their upper and lower edges at their inner ends reduced in width to receive the walls of the rod, said legs being depressable to release engagement of the legs with said walls of the rod to permit free sliding movement of the rod on the legs and bracket.

2,569,377
CARBURETOR
Edmund E. Hans, Detroit, Mich.
Application December 6, 1948, Serial No. 63,755
In Canada January 28, 1948
3 Claims. (Cl. 261—18)



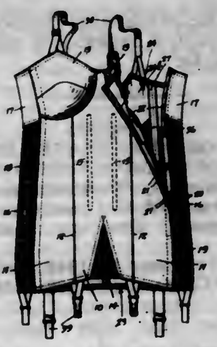
1. A carburetor containing in combination, an air intake conduit having a valve therein to control air flow, two chambers one for fuel and one for anti-detonant liquid, each chamber being connected by passageways to the air intake conduit, a limit stop movable with the valve, a solenoid having a plunger therein adapted to travel to an extended position when the solenoid is energized to move the stop thereby partially closing the valve, and also adapted when extended to prevent full opening of the said valve, an electric circuit comprising a switch to energize the solenoid, and means operable by the level of liquid in the anti-detonant chamber for operating the switch and solenoid.

2,569,378
GAS MIXING DEVICE FOR DRAUGHT BEER DISPENSING
Myron E. Hood, Cincinnati, Ohio
Application May 15, 1946, Serial No. 669,888
2 Claims. (Cl. 225—1)



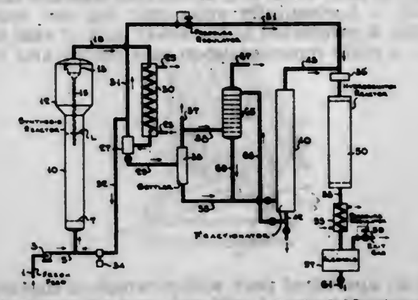
1. Draft beer dispensing apparatus comprising a pressure storage tank, a pressure distribution line connected with the tank and provided with a regulator for supplying predetermined dispensing pressure to containers of beer connected with said distribution line, a compressor and motor unit for delivering a mixture of air and gas under pressure to the storage tank, an electrical control switch for the motor responsive to predetermined high and low pressure limits in said tank, the compressor having an intake port, a gas-air mixer having an outlet passage connected with said compressor intake port, said mixer having a pair of angularly related inlet passages forming a common Y-connection with said outlet passage in the mixer, integral means at the outer end of one of said inlet passages providing a minute gas orifice, means to supply CO_2 gas to said orifice whereby the admitted gas may flow through the remainder of said inlet passage in expanded state and at reduced pressure, and a fresh air supply line connected to the remaining inlet port to admit atmosphere air into complete mixture with the expanded gas in advance of discharge through the outlet passage to the intake port of the compressor.

2,569,379
FOUNDATION GARMENT
John V. Hollar, Bridgeport, Conn., assignor to The La Resista Corset Company, Bridgeport, Conn., a corporation of Connecticut
Application December 31, 1948, Serial No. 68,539
5 Claims. (Cl. 2—30)



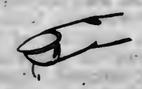
1. A foundation garment, comprising front and side sections, and a back section secured at its side edges to said side sections along substantially vertical side seams arranged to overlie the body of the wearer at each side along lines extending from points substantially above the waist line to points substantially below the hip line, said back section comprising upper and lower parts telescopically overlapped in the region of the waist line with the lower portion of said upper part slidably overlying the upper portion of said lower part, said upper part adapted to engage the body above the hip line and at the waist line and having its lower edge free of attachment between its ends, said ends being anchored to said seam lines at points substantially coincident to the hip line with the intermediate portion of said lower edge spaced a substantial distance below the waist line, said lower part adapted to engage the back and hips below the waist line and having its upper edge arched downwardly and free of attachment between its ends, said last mentioned ends being anchored to said seam lines at points spaced a substantial distance above the waist line with the intermediate portion of said upper edge normally disposed substantially coincident to the waist line, the upper edge of said lower part and its upper portion underlying said upper part being circumferentially elastic at least in part whereby said upper edge is adapted to lengthen in increasingly arched relation between its anchored ends as relative telescopic expansion movement takes place between said upper and lower parts, and is adapted to shorten between its anchored ends as relative telescopic contraction movement takes place between said upper and lower parts.

2,569,380
PRODUCTION OF ALCOHOLS FROM CARBON MONOXIDE AND HYDROGEN
Clinton H. Holder, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 11, 1946, Serial No. 676,077
15 Claims. (Cl. 260—449.5)



1. The process of producing alcohols from carbon monoxide and hydrogen which comprises contacting a gas mixture containing carbon monoxide and hydrogen in synthesis proportions at synthesis conditions with a synthesis catalyst to produce major proportions of normally liquid hydrocarbons, minor proportions of oxygenated organic compounds, and a spent synthesis gas rich in hydrogen separating normally liquid hydrocarbons and oxygenated compounds from said spent synthesis gas, separating normally liquid hydrocarbons from oxygenated organic compounds, hydrogenating the separated oxygenated organic compounds with separated spent synthesis gas in the presence of a hydrogenation catalyst at hydrogenation conditions to produce alcohols from more highly oxygenated organic compounds, and recovering alcohols from the hydrogenated product.

2,569,381
FINGER TIP SHIELD AND APPLICATOR
William R. Justus, Chicago, Ill.
Application April 12, 1947, Serial No. 741,131
2 Claims. (Cl. 15—227)

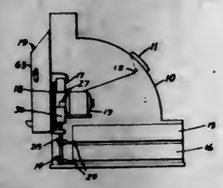


1. An applicator comprising a shell having substantially the shape of the quarter of a hollow sphere and adapted to fit onto and enclose the ball end only of a user's finger, said shell having merging open ends disposed normal to each other and a marginal bead projecting laterally outward from the opposite sides of the wall bounding one of said open ends, and said shell having an inwardly projecting substantially radial flange on the edge of the wall bounding the other open end.

2,569,382
AWARD DISPENSING MACHINE
Raymond A. Leach, Los Angeles, Calif.
Application January 21, 1946, Serial No. 642,502
11 Claims. (Cl. 273—138)

1. In an award dispensing mechanism, a casing including a wall portion, an award holding hopper mounted on said casing and pivoted to swing in a pendulous manner from and to an overlying relation to said wall portion of the casing, said hopper having an open side directed toward said

wall portion so that when the lower end of the hopper is allowed to swing away from said wall portion the contents of the hopper gravitates downwardly, whereupon after the release of said contents the hopper automatically gravitates back to its normal position, a wheel rotatably mounted upon said casing, a pin carried eccentrically by said wheel and projecting laterally therefrom, a horizontally extending rod one end of which is connected to the lower part of said hopper, a plate mounted upon said casing and having an apertured part within which is supported the opposite end of said rod, and an arm swingably attached to said plate and laterally overlying said aperture in which the end portion of said rod is seated normally to prevent outswinging of said hopper, said swingable arm being movable from its normal position by contact of said pin therewith to uncover said aperture to release said rod and thereby discharge the contents of said hopper, whereupon said swingable arm gravitates back to its normal position.



2,569,383

POLYMERIC HYDROCARBON DRYING OILS

George F. Leyonmark, Avenel, and Paul E. Hardy, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 9, 1946, Serial No. 708,947

9 Claims. (Cl. 260—683.15)

1. In a polymerization process for producing light-colored drying oils, the improvement which consists of making up a polymerization feed comprising mixtures of 70 to 50 weight per cent of propylene monomer and 30 to 50 weight per cent of a conjugated diolefin having 4 to 6 carbon atoms per molecule, and polymerizing the resulting feed at a temperature between +50° C. and +110° C. under a pressure of 50 to 600 lbs./sq. in. in the presence of gaseous boron fluoride, whereby a light-colored, hydrocarbon-soluble drying oil is obtained.

2,569,384

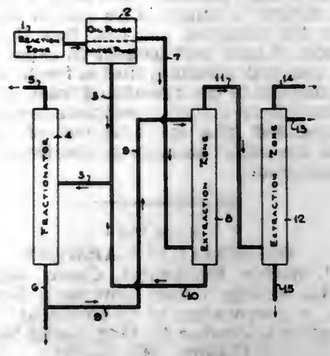
RECOVERY OF OXYGENATED COMPOUNDS FROM HYDROCARBON OILS

Charles E. Morrell, Westfield, and James H. McAteer, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 19, 1947, Serial No. 792,802

11 Claims. (Cl. 260—450)

1. An improved process for the separation and recovery of aliphatic neutral oxygenated compounds comprising alcohols, aldehydes, ketones, esters and acetals, from a mixture of neutral and acidic oxygenated compounds with hydrocarbons which comprises selectively extracting the neutral oxygenated compounds from the mixture in a liquid-liquid extraction by contact with a solvent comprising dilute aqueous acetic acid containing 2% to 10% acetic acid by weight, at a temperature between the freezing point of the solvent and 125° C., separating an extract phase comprising the neutral oxygenated compounds and a raffinate phase comprising the hydrocarbons and acidic oxygenated compounds, and recovering the neutral oxygenated compounds from the extract phase.



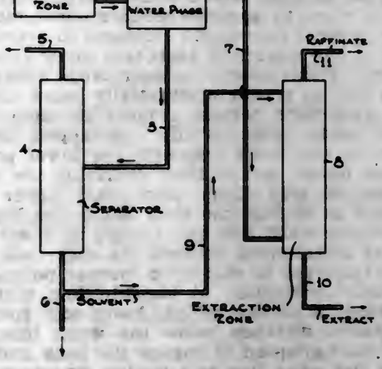
2,569,385

RECOVERY OF OXYGENATED COMPOUNDS FROM HYDROCARBON OILS

Charles E. Morrell, Westfield, and James H. McAteer, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application February 12, 1948, Serial No. 7,966

10 Claims. (Cl. 260—450)



1. An improved process for the recovery of aliphatic oxygenated compounds containing 1 to 6 carbon atoms per molecule from a mixture of such oxygenated compounds with hydrocarbons of substantially the same boiling range, said mixture resulting from the catalytic hydrogenation of oxides of carbon, which comprises selectively extracting the oxygenated compounds from the mixture in a liquid-liquid extraction by contact with a dilute aqueous solution of acetic acid, containing approximately 2 to 5 weight percentage of acetic acid, at a temperature in the range of 125° C. to 375° C., separating an extract phase comprising the oxygenated compounds and a raffinate phase comprising the hydrocarbons, and recovering the oxygenated compounds from the extract phase.

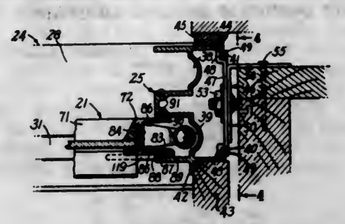
2,569,386

SEALING DEVICE

Edmund Peremi, Bayside, N. Y., and Henry Weimann, Brentwood, Mo., assignors, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York

Original application February 14, 1946, Serial No. 647,560. Divided and this application June 8, 1948, Serial No. 31,805

3 Claims. (Cl. 189—65)



1. In a window construction a jamb having a spaced parting strip and stop flange forming a channel therein, a sash having a side rail slidably mounted in said channel, said rail including a base member and flanges extending into said channel, a self-lubricating member mounted in said parting strip and extending longitudinally thereof in contact with the adjacent flange of said rail, a longitudinally extending bead on the inside of one of said flanges of said rail spaced from the base thereof, a resilient weather strip entrapped between said bead and said base and having a portion extending around the flange of said rail and resiliently engaging between said flange of said rail and said stop flange of said jamb and tending to force said sash rail toward and into contact with said self-lubricating member.

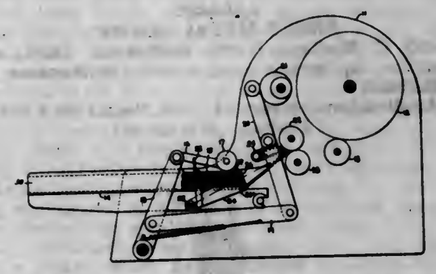
2,569,387

SHEET SEPARATING DEVICE

Grant R. Robinson, Melrose, Mass., assignor, by direct and mesne assignments, to Old Town Ribbon & Carbon Co., Inc. of Mass., a corporation of Massachusetts

Application January 17, 1946, Serial No. 641,686

5 Claims. (Cl. 271—42)



1. In a sheet feeding device, the combination of a substantially horizontal support for a stack of sheets, means for feeding the top sheet forwardly from the stack and support, a movable member having a narrow upright stack-engaging stop at one corner of the support located forwardly of one side thereof and pivoted for vertical movement about a horizontal axis disposed rearwardly of the stop and below the support, and a rearwardly extending lip on the upper portion of the stop in position to rest on the top sheet of a stack engaged against the stop.

2,569,388

VENTED AWNING

John C. Rogers and Redding Sims, New Orleans, La.

Application July 31, 1947, Serial No. 765,146

6 Claims. (Cl. 20—57.5)



1. An awning comprising a relatively flat cover sheet having rows of aligned ventilating openings with the openings in each row aligned with the openings in the other rows, said cover sheet having raised angularly disposed marginal portions about said ventilating openings with said marginal portions extended at opposite sides and providing fastening tabs, a substantially channel-shaped cover strip for each row of ventilating openings, said cover strips each comprising an imperforate main body or web portion, side portions located transversely of said web portion and having spaced openings therein for disposition in staggered relation to the openings in the cover sheet, and inwardly disposed mounting flanges for engagement with said cover sheet the free edges of said flanges being provided with inwardly disposed angular portions having substantially the same angularity as the angularly disposed portiins of the cove rsheet for cooperative engagement therewith so that said tabs may be bent downwardly into contact with the angular portions of the cover strips for locking the cover strips to the cover sheet over the openings therein, the side portions with inwardly disposed mounting flanges and inwardly disposed angular portions of said cover strips providing a trough within the cover strip at each side of the same, the openings in the cover sheet and in the cover strips providing for circulation of air through the awning but due to the openings in the cover strip and cover sheet being staggered rain entering the openings in the cover strip will be caught in said troughs.

2,569,389

PIVOT ASSEMBLY FOR TRACTOR MOUNTED IMPLEMENTS

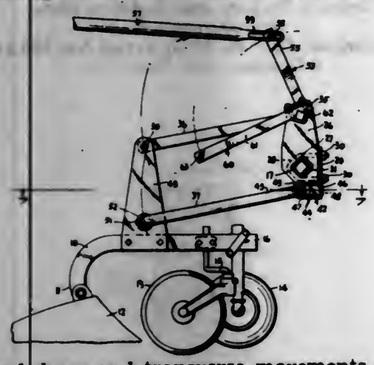
Paul C. Seaholm, Moline, Ill., assignor, by mesne assignments, to Minneapolis-Moline Company, Hopkins, Minn., a corporation of Minnesota

Application May 4, 1945, Serial No. 591,931

6 Claims. (Cl. 97—47)

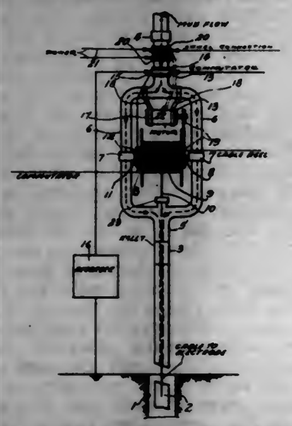
2. In an implement of the character described having a tool beam and a support forward thereof, upper and lower longitudinally extending links pivoted at rear ends to the plow beam, the forward end of the upper link member being pivoted on the support for both up and down and transverse swinging movements at its rear end, and means forming a pivot connection for the forward end of the lower link on the support and having a part normally locking said lower link

against all but up and down movements but said part being removable to selectively permit both



up and down and transverse movements of the link.

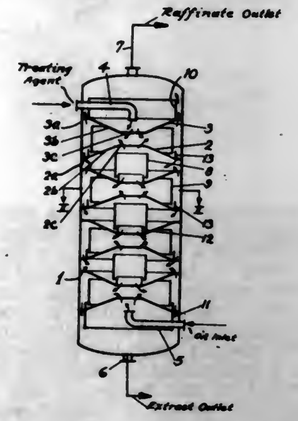
2,569,390
WELL LOGGING
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 20, 1946, Serial No. 691,850
3 Claims. (Cl. 255—1)



1. In an apparatus for the rotary drilling and simultaneous logging of a bore hole, a rotatable drill stem, a head on said drill stem comprising a pair of spaced hollow arms in fluid communication with the interior of said drill stem, a reel journaled in said arms with its longitudinal axis perpendicular to the longitudinal axis of said drill stem, a cable wound on said reel, signal producing means carried by said cable, signal conducting means carried by said cable, signal receiving means mounted on said drill stem for rotation therewith and independent of said reel, signal transmitting means connecting said signal conducting means with said signal receiving means and means for taking off a signal from said conducting means.

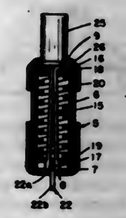
2,569,391
LIQUID-LIQUID CONTACTING TOWER
Reid F. Stearns, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 19, 1948, Serial No. 9,532
4 Claims. (Cl. 23—270.5)

1. Apparatus for contacting two substantially immiscible liquids of dissimilar specific gravity, comprising a vertical tower, a plurality of vertically spaced transverse plate members in said tower, each consisting of a flat, annular perforate section secured peripherally to the tower wall a concentric, hollow, frusto-conical section joined at its base portion to the inner edge of said annular section, and a flat perforate closure section for the apex end of said frusto-conical section, alternate plates being disposed with the frusto-conical section in an inverted position and the respective perforate sections alternately in con-



tiguous relationship, any pair of plates defining between them a concentric series of mixing, separation, and discharge zones, conduit means for introducing the heavier of two substantially immiscible liquids into the tower above the uppermost plate therein, and for separately removing the lighter liquid therefrom, and conduit means for introducing the lighter of said liquids into the tower below the lowermost plate therein, and for separately removing the heavier liquid therefrom, whereby movement of said liquids is vertically countercurrent through said tower, and radially concurrent through said mixing, separation and discharge zones between plates.

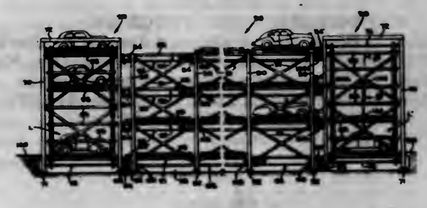
2,569,392
SHEET METAL CLAMP
Frank C. Wallace, North Hollywood, Calif., assignor, by mesne assignments, to Herman H. Helbush
Application January 31, 1948, Serial No. 5,596
2 Claims. (Cl. 85—6)



2. A sheet metal clamp comprising a tubular body having an outer end closure with an axial opening therethrough and having an inwardly-facing shoulder at its inner end, a pair of flexible clamping legs mounted in the body for protraction and retraction through said opening, said

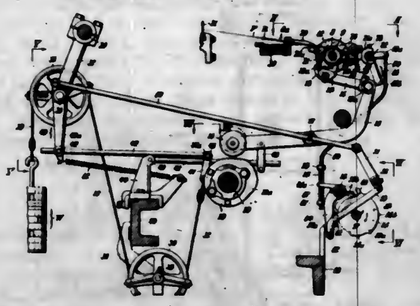
legs having enlarged outer ends, a spring in the body urging the legs axially inwardly thereof, an operating plunger mounted in and projecting from the inner end of the body, said plunger having a flanged inner end disposed for engagement with the first-named shoulder, a rigid spreader member disposed between the outer end portions of said legs and held against said outer end closure by said spring and having a central portion projecting outwardly from the body through said opening, and means at the inner end portions of said legs urging them towards each other and against opposite faces of said spreader member; said opening being at least as large in diameter as the combined thickness of the enlarged outer end portions of said legs plus the thickness of said spreader member and said legs being of such length in relation to the length of the body that, when retracted, their said enlarged outer ends are disposed substantially in said opening.

2,569,393
APPARATUS FOR PARKING AUTOMOBILES
Charles M. Walker, Manhattan Beach, Calif.
Application March 5, 1949, Serial No. 79,852
9 Claims. (Cl. 214—16.1)



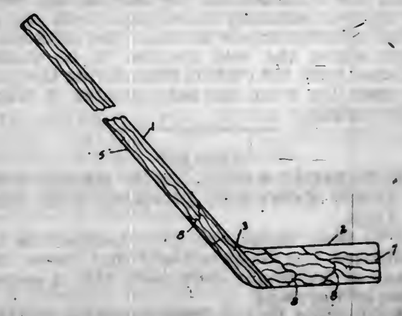
1. Apparatus for storing automobiles and the like, comprising a lower level track and at least one upper level track, a plurality of mobile platforms arranged end-to-end on said tracks, said platforms being adapted to receive an automobile or other load, an up-elevator located at one end of said tracks and a down-elevator located at the other end thereof, said up-elevator being adapted to receive said platforms from said lower level track and to raise the same to said upper level track, said down-elevator being adapted to receive said platforms from said upper level track and to lower the same to said lower level track, a pick-off device engageable with the platform on said up-elevator to pull the same onto said upper level track, another pick-off device engageable with the platforms on said down-elevator to pull the same onto said lower level track, an endless chain conveyer having one portion thereof extending parallel to said upper level track and traveling in the direction from said up-elevator toward said down-elevator, a ratchet pawl pivoted on said platform for swinging movement in a fore and aft vertical plane, the depending end of said pawl being free to trail rearwardly and to ratchet over said conveyer chain when said platform overruns said chain, and being engageable by said conveyer chain when the latter advances along said track, whereby the platform is carried along said upper level track by the chain, and another endless chain conveyer having one portion thereof extending parallel to said lower level track and traveling in the direction from said down-elevator toward said up-elevator, said ratchet pawls on said platforms being engageable by said one portion of said last named conveyer chain, whereby the platform is carried along said lower level track by the chain.

2,569,394
FABRIC TAKE-UP MECHANISM FOR TEXTILE MACHINES
Eugene M. Zesch, Shillington, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application June 2, 1949, Serial No. 96,666
14 Claims. (Cl. 66—149)



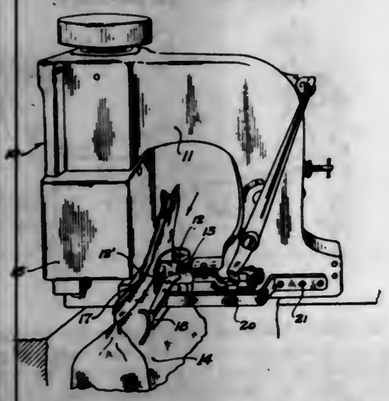
1. In fabric take-up mechanism for textile machines, a fabric draw-off reel and racking means for turning it; means to prevent reverse rotation of the reel; a floatingly-supported horizontal lever with a weight thereon operative, through the racking means, to normally torsion the reel for maintenance of the fabric under tension; means for periodically actuating said lever for communication, through the racking means, of incremental rotary shifts to the reel to take up the fabric; and means for shifting the weight along the lever to vary the tension on the fabric during its formation.

2,569,395
LAMINATED HOCKEY STICK
Frank J. Zupanick, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application June 16, 1948, Serial No. 33,401
2 Claims. (Cl. 272—67)



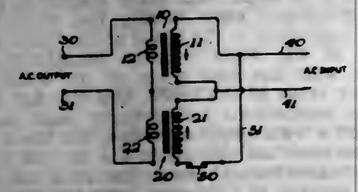
2. A wood ice hockey stick having a handle joined to a blade, said blade having a plurality of laminations each having flat abutting surfaces extending in the plane of the blade with the grain of the wood running lengthwise of the blade, with the face grain of the wood on the playing faces of the blade, and the flat surfaces of the laminations joined under heat and pressure by a waterproof adhesive, the blade having at least two laminations in the central part and outer laminations thereon, the outer laminations being tapered in thickness from the heel toward the toe and from the bottom toward the top of the blade and terminating in feather edges short of the toe.

2,569,396
SEWING MACHINE ATTACHMENT
Nathan Bates, Bartow, Fla., assignor, by mesne assignments, to Swift & Company, a corporation of Illinois
Application December 22, 1947, Serial No. 793,277
4 Claims. (Cl. 112—252)



1. A sewing machine attachment adapted to cooperate with a stationary cutting edge for severing the chaining thread between successively stitched articles comprising: a stationary supporting bracket having the outer end of said bracket disposed adjacent the heel of the sewing machine presser foot, a stationary cutting edge mounted on the work support opposite said end of the bracket, an article engaging member pivotally mounted on the said end of the supporting bracket and adapted to be yieldably displaced rearwardly away from the cutting edge and the presser foot by the article being stitched and having mounted at the rear thereof a thread guide means for forcing the chaining thread against the cutting edge when the article engaging member is no longer displaced rearwardly away from the fixed cutting edge, and yieldable means for maintaining the said article engaging member normally extending across the path of the stitched article through the machine but which allows the said member to be yieldably displaced from the cutting edge during the stitching operation when the said member is engaged by the article.

2,569,397
ELECTRICAL ENERGIZING MEANS FOR LIMIT CONTROL DEVICES AND THE LIKE
Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application May 24, 1949, Serial No. 95,130
8 Claims. (Cl. 175—335)



1. In an electrical energizing means for a control device of the character including a thermoelectric circuit having therein a thermocouple and an electromagnetic means provided with an armature operatively connected to a means to be controlled and retained in operative position by said electromagnetic means while normal thermoelectric current is being generated by said thermocouple, the combination of means for actuating said electromagnetic means to effect release of said armature notwithstanding continued generation of thermoelectric current comprising a control circuit including output leads, input leads operatively connected to a source of alternating current and means in said control circuit having circuit connections to said input leads for imposing substantially zero voltage across said output leads when the circuit connections from said means to said input leads are complete and operable to impose a substantial voltage across said output leads upon interruption of a line in said connections, and means electrically connected to said output leads and associated with said electromagnetic means for applying alternating current in said output leads to said electromagnetic means to reduce the net effect of said thermoelectric current on said electromagnetic means sufficiently to effect release of said armature.

2,569,398
ORNAMENTED STOCKING
Samuel I. Burd, New York, and Joseph V. Clarke, Flushing, N. Y., assignors to Prestige, Inc., New York, N. Y., a corporation of Pennsylvania
Application April 6, 1951, Serial No. 219,570
3 Claims. (Cl. 41—34)



1. The combination with a fabric formed of a thermoplastic material of an ornament secured to said fabric by fusion of the surface of the fabric onto the contacting surface of said ornament.

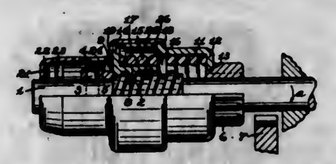
2,569,399
FIRE RESISTANT ASPHALT COATING
Frank B. Burns, Chicago, Ill., and Millard S. Larrison, Frankford, Pa., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 7, 1943, Serial No. 497,869
15 Claims. (Cl. 106—282)

1. A weather and fire resistant bituminous coating composition for application to a felt base roofing sheet which comprises a vehicle consisting of a bituminous thermoplastic material having intumescible material selected from the group consisting of unexfoliated vermiculite and coking coals dispersed in said vehicle in sufficient quantity to reduce the flowability of the bituminous vehicle when it is subjected to flame conditions.

2,569,400
ALKYLATION OF POLYSTYRENE USING A HYDROGEN FLUORIDE CATALYST
John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 27, 1948, Serial No. 29,648
5 Claims. (Cl. 260—96)

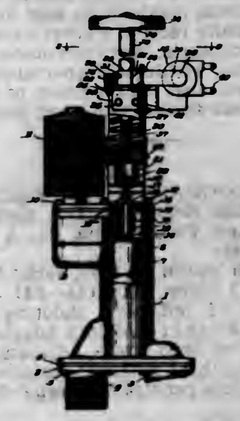
1. A method of preparing alkylated polystyrene which comprises reacting polystyrene with a compound of the group consisting of hydrocarbon olefins, alkyl halides, and unsaturated aliphatic esters having a single olefinic double bond and containing only carbon, hydrogen and oxygen in the presence of hydrogen fluoride.

2,569,401
ENGINE STARTER GEARING
James E. Buxton, Elmira, N. Y., assignor to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application June 2, 1950, Serial No. 165,819
4 Claims. (Cl. 74—7)



1. In an engine starter drive a power shaft, a screw shaft fixed thereon, a pinion slidably journalled on the power shaft for movement into and out of mesh with an engine gear, a cylinder fixed to the pinion, a control nut on the screw shaft, a coiled spring tightly engaging the periphery of the nut at one end, and at its other end frictionally engaging the interior of said cylinder, and a barrel member fixedly connected at one end to said cylinder and having a flange at its other end positioned to engage the end of the screw shaft when the pinion is in fully meshed position.

2,569,402
TEMPERATURE CONTROL MECHANISM
Francis J. Cantalupo, Chicago, Edmond P. De Craene, Westchester, and Raymond P. Setka, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application February 9, 1948, Serial No. 7,268
7 Claims. (Cl. 297—3)



1. The combination in a thermal adjustment mechanism, a housing, an axially expandible thermostatic element, an adjusting stem movable with the said thermostatic element, a main stem movable with the said adjusting stem, a threaded nut movable axially relative to the main stem, a ratchet fixed to the said main stem, resilient means interposed between the nut of the said main stem and said housing to actuate the said ratchet, a casing for the said thermostatic element, the said housing supporting said main stem, means engaging the said ratchet to restrain the latter against rotation, independently actuated means for releasing the said latter ratchet engaging means to permit said resilient means to actuate the said ratchet, means for rotating the said ratchet after the said ratchet has been actuated by the said independently actuated means, the said means for engaging the ratchet comprising a spring and a pawl resiliently mounted relative to said spring, the latter member normally holding said pawl in engagement with notches of the said ratchet, whereby predetermined rotation of the said main stem permits the thermostatic element to expand to certain limits by creation of a predetermined end gap.

2,569,403
SOLUBLE CALCIUM SALTS
Elmer William Cook, New York, N. Y., and Philip Hotchkiss Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 13, 1946, Serial No. 683,431
3 Claims. (Cl. 167—65)

1. A stable, aqueous composition for therapeutic use comprising an aqueous solution of a calcium salt of a boric acid-polyhydroxy alkane complex, said polyhydroxy alkane having a structure such that two of its hydroxyl groups are cis to each other, said solution having a pH within the range of about 6 to 7.5.

2,569,404
VINYL CHLORIDE POLYMERS PLASTICIZED WITH ESTERS OF (1',2'-DICARBOXYETHYL) OCTADECENOIC ACID
Joachim Daszi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 15, 1950, Serial No. 144,391
3 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with a trialkyl ester of (1',2'-dicarboxyethyl) octadecenoic acid and an aliphatic alcohol of from one to six carbon atoms.

2,569,405
VINYL CHLORIDE POLYMERS PLASTICIZED WITH ESTERS OF (1',2'-DICARBOXYETHYL) UNDECYLENIC ACID
Joachim Daszi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 15, 1950, Serial No. 144,392
6 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with a trialkyl ester of (1',2'-dicarboxyethyl) undecylenic acid and an aliphatic alcohol of from 1 to 8 carbon atoms.

2,569,406
VINYL CHLORIDE POLYMERS PLASTICIZED WITH ALKOXYETHYL ESTERS OF (1',2'-DICARBOXYETHYL) OCTADECENOIC ACID
Joachim Daszi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 25, 1950, Serial No. 151,995
6 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with a tris(alkoxy-

ethyl) ester of (1',2'-dicarboxyethyl) octadecenoic acid in which the alkoxy group has from one to six carbon atoms.

2,569,407

VINYL CHLORIDE POLYMERS PLASTICIZED WITH ALKOXYETHYL ESTERS OF (1',2'-DICARBOXYETHYL) UNDECYLENIC ACID

Joachim Dazzi, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 25, 1950, Serial No. 151,996
6 Claims. (Cl. 260—31.8)

1. A resinous composition comprising a vinyl chloride polymer plasticized with a tris(alkoxyethyl) ester of (1',2'-dicarboxyethyl) undecylenic acid in which the alkoxy group has from 1 to 6 carbon atoms.

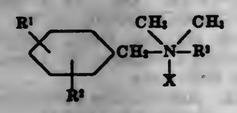
2,569,408

QUATERNARY SALTS—ALKYLBENZYL ALKYL DIMETHYL AMMONIUM HALIDES

Peter L. de Benneville, Philadelphia, Pa., and Louis H. Beck, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 29, 1949, Serial No. 102,144
4 Claims. (Cl. 260—567.6)

1. As new chemical substances, compounds of the formula



wherein X is a halogen from the class consisting of chlorine and bromine, R^1 is an alkyl group of six to ten carbon atoms, R^2 is a member of the class consisting of hydrogen and the methyl group and R^3 is an alkyl group of six to ten carbon atoms, the size of the groups R^1, R^2 and R^3 being so chosen that the sum of carbon atoms therein is 15 to 19.

2,569,409

AMIDE-LINKED BIS-QUATERNARY AMMONIUM COMPOUNDS

Peter L. de Benneville and Charles L. Levesque, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application September 27, 1950, Serial No. 187,149
6 Claims. (Cl. 260—558)

1. Compounds of the structure



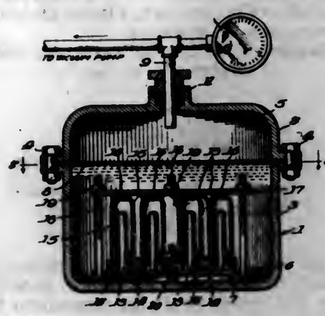
wherein R is an alkyl group of not over two carbon atoms, R^1 is an alkyl group of seven to nine carbon atoms, R^2 is a member of the class consisting of hydrogen and the methyl group, X is an anion, and n is an integer from two to three.

2,569,410

VACUUM APPARATUS FOR FILLING CAPSULELIKE RECEPTACLES WITH FLUID

Edmond P. De Craene, Westchester, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application September 25, 1948, Serial No. 51,213
1 Claim. (Cl. 226—116)



In an apparatus for filling with liquids free of air or gases such receptacles as thermal elements or the like having an axially movable projecting stem, the apparatus including a vacuum jar with upper and lower portions in sealed relation, upper and lower plates within the vacuum jar for supporting the receptacles to be filled, a vacuum pump line connected with an upper portion of the said jar whereby as air is evacuated from the interior of the said jar it is also evacuated from the receptacles to permit the filling liquid to flow into an upper portion of the said receptacles and concurrently liberate any entrapped air or gas therewithin, the said plates being held together to clamp a plurality of receptacles therebetween, the lower plate supporting the axially movable projecting stem of the receptacle to be filled, apertured means provided on said lower plate to at least partially receive a lower neck portion of the said receptacle, the receptacle projecting stem extending within said apertured means beyond the lowermost neck portion of the said receptacle to bear against said lower plate.

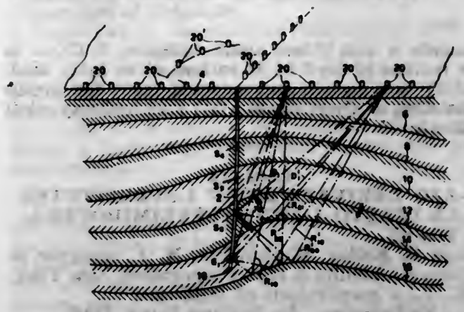
2,569,411

SEISMOGRAPHIC PROSPECTING

Lacoste G. Ellis, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application March 25, 1949, Serial No. 83,363
1 Claim. (Cl. 181—53)

A method of reflection shooting comprising providing an array of detectors, adapted to receive reflections from deep strata, adjacent to the surface of the earth at different distances from the top of a bore hole penetrating deep reflecting horizons the orientation of which is sought, and firing successively within said bore hole a series of shots, one of said shots being fired below one of said deep reflecting horizons, and a subsequent shot being fired above said horizon and below the next higher reflecting horizon, so that in the case of said second shot reflections to said detectors will occur from said first mentioned horizon, from which no direct reflection to said detectors will occur due to said first mentioned shot, the reflections from said horizons being received by said detectors substantially later than direct waves from said shots.



2,569,412

VALVE

Richard Fennema and Francis J. Cantalupo, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application February 3, 1945, Serial No. 576,056
1 Claim. (Cl. 251—63)



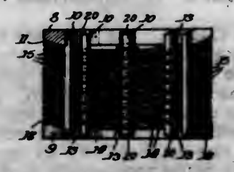
In combination, a reciprocally movable wedge-shaped gate valve closure member, converging valve seats for the said closure member, actuating means for the closure member including a depending inverted T-head with its inner end limits defined by a wedging surface portion, the said closure member comprising a pair of discs peripherally spaced apart and being joined together in juxtaposed relation at a central portion thereof, at least one of said discs having oppositely disposed upwardly projecting means engageable with a rear surface portion of the said T-head for effecting the reciprocal movement of the said closure member and said discs having inner corner portions of the periphery thereof adjacent the base of the upwardly projecting means provided with inwardly and downwardly sloping wedge surfaces, the latter surfaces normally bearing against the said wedging surface of the T-head when the discs contact the said valve seats and upon slight continued movement of the T-head toward the discs a lateral force is initiated by the wedging surface portion of the T-head upon said disc wedging surfaces during substantially the final seating of the closure member, the said wedging force being laterally applied against each valve disc adjacent the inner peripheral corner portions thereof thereby to spread the discs slightly apart at such peripheral portion and to maintain the said discs in predetermined spaced-apart relation in the closed or seated position of the valve.

2,569,413

STRAINER

Charles A. Glauque, Berwyn, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application December 13, 1947, Serial No. 791,591
1 Claim. (Cl. 210—169)



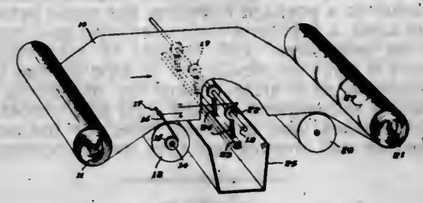
In a strainer, the combination including end plates in spaced-apart relation, superposed annular-shaped strainer plates disposed between the said end plates, annularly disposed superposed washer means intermediate said strainer plates and arranged to engage a relatively small inner peripheral portion of said plates whereby to permit limited flexibility of said strainer plates between the said washer means, the outer plate engaging portions of the washer means serving as a fulcrum point for flexing the outer edges of the said plates, annularly-positioned post-like retaining means cooperating with said washer means and end plates connected to the retaining means to secure the strainer plates in said assembled relation thereby to form the walls of the strainer.

2,569,414

PRODUCTION OF METAL-FREE STRIPES ON METAL-COATED SHEET MATERIAL

Philip Godley, 2nd, Lexington, and William O. Di Pietro, Watertown, Mass., assignors to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 10, 1949, Serial No. 92,432
2 Claims. (Cl. 219—19)



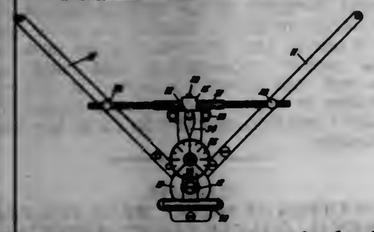
1. Apparatus for continuously removing a band of metal coating from a web of metal-coated, nonconducting sheet material, comprising means for continuously advancing the web with its metal-coated face down, a contact positioned to engage the metal face of the web, a rotary electrode wheel in the path of the web and spaced from said contact, said electrode wheel having a marginal thickness substantially corresponding to the width of the band to be removed, means for rotating said electrode wheel in a direction opposite to the direction of advancement of the web, the axis of said rotary electrode wheel being mounted below the path of travel of said web, means for impressing an electrical potential across the contact and the electrode wheel to produce an arc between the electrode wheel and the approaching metal coating serving to evap-

orate the necessary metal, and a scraping member positioned to engage the periphery of said rotary electrode wheel so as to remove the metal which condenses on the electrode wheel.

2,569,415
IMIDAZOLINES
Max Hartmann, Riehen, and Siegfried Studer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application December 13, 1948, Serial No. 65,067. In Switzerland December 24, 1947
8 Claims. (Cl. 260—309.6)

1. A compound selected from the group consisting of the 2-[carbazolyl-(9')-alkyl]-imidazolines and the acid salts thereof, the two carbocyclic rings of the carbazole nucleus of the said compound being six-membered monocyclic rings, and at least one of these two six-membered carbocyclic rings being monocyclic aryl.

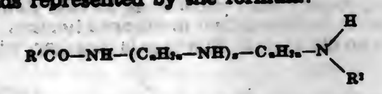
2,569,416
CAMBER AND CASTER GAUGE
Le Roy V. Jacobsen, Durant, Iowa, assignor to Bee-Line Company, Davenport, Iowa, a copartnership
Application November 29, 1948, Serial No. 62,436
4 Claims. (Cl. 33—203.18)



1. A camber gauge for dirigible wheels of a vehicle comprising a pair of arms and a bracket pivotally interconnected for movement about a common axis, wheel-contacting means for contacting the side of a wheel positioned at said axis and on each of said arms at a point remote from said axis, equalizing means for maintaining said bracket in a position bisecting the angle between said arms, a first level connected with said bracket for movement with respect to said bracket about a pivot perpendicular to said pivotal connection of said arms, means for indicating the angular adjustment of said level with respect to said bracket, and a second level for indicating whether said pivot of said first level is horizontal.

2,569,417
BENEFICIATION OF ACIDIC MINERALS
David W. Jayne, Old Greenwich, Harold M. Day, Stamford, and Elmer W. Glesecke, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 10, 1948, Serial No. 14,156
4 Claims. (Cl. 209—166)

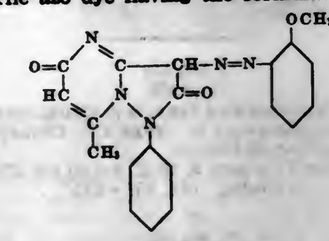
1. In the beneficiation of ores containing acidic siliceous minerals by floating a concentrate of the acidic siliceous minerals therefrom, the improvement which comprises subjecting an aqueous pulp of the ore to agitation and aeration in the presence of at least about 0.2 lb. per ton of a collector and a relatively small amount of a non-selective frothing agent, said collector being selected from the group consisting of those compounds represented by the formula:



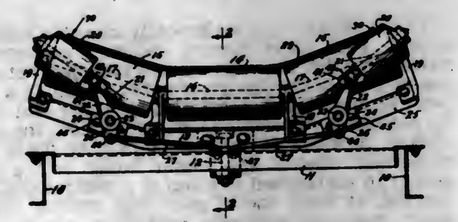
wherein n and x are small integers, R'CO— is the residue of an 8 to 32 carbon atom fatty acid, and R^2 is a substituent selected from the group consisting of short chain alkyl and hydroxy alkyl radicals.

2,569,418
3-AZO DERIVATIVES OF 1-SUBSTITUTED 2,5-DIKETO-7-METHYLPYRIMIDOPYRAZOLES
Henry B. Kelleg, Weehawken, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 9, 1948, Serial No. 37,974
6 Claims. (Cl. 260—154)

2. The azo dye having the formula:



2,569,419
SELF-ALIGNING CARRIER FOR BELT CONVEYERS
Myron A. Kendall, Aurora, Ill., assignor to Stephens-Adamson Mfg. Co., a corporation of Illinois
Application October 4, 1947, Serial No. 777,911
4 Claims. (Cl. 198—202)



2. In a device of the character described, a support, a troughing carrier including troughing pulleys mounted on a carrier cross member pivoted to the support to swing about an axis substantially at right angles to the cross member, an auxiliary pulley alongside each outer pulley of the carrier at a greater angle of inclination with a portion projecting above the respective outer pulley, a two-armed lever fulcrumed on the cross member with one arm bearing the auxiliary pulley, and means connecting the other arm with the support.

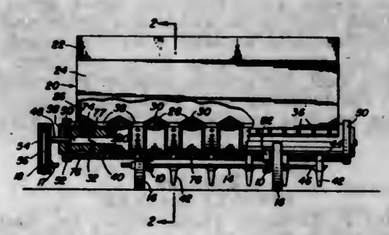
2,569,420
METHOD OF PREPARING ADDUCTS
Milton Kosmin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 15, 1950, Serial No. 144,385
19 Claims. (Cl. 260—404.8)

1. The process of preparing adducts which comprises heating, at temperatures of from 150° C. to 300° C., a mixture comprising maleic anhydride, a fatty acid compound having the general formula

YCOOZ

wherein Y is an mono-olefinic, aliphatic hydrocarbon residue of from 9 to 23 carbon atoms and Z is a member of the group consisting of hydrogen and alkyl radicals of from 1 to 8 carbon atoms, and a boron compound which is a member of the group consisting of boric anhydride, boric acids, and the salts and esters of boric acids, the said boron compound being from 0.5 per cent to 5.0 per cent by weight of the weight of the maleic anhydride.

2,569,421
SEEDER AND FERTILIZER DISTRIBUTOR
Hokan L. Larson, Fairview, Alberta, Canada, assignor of one-fourth to Alf M. Nordlie, Martin, N. Dak.
Application July 8, 1948, Serial No. 37,729
3 Claims. (Cl. 222—177)



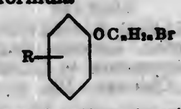
1. An implement for distributing seed and fertilizer comprising a frame having an axle with ground-contacting wheels, a hopper mounted on said frame, a distributor tube co-extensive with said hopper and secured to the lower side thereof, inlet openings at the top of said tube communicating with said hopper, outlet openings on the lower side of said distributor tube immediately beneath said inlet openings, a shaft slightly longer than said tube, cap bearings on the ends of said tube and mounting said shaft for rotation co-axially of said distributor tube, means to drive said shaft, said distributor tube with said shaft being spaced completely out of alignment to said wheels, a composite rotary feeder assembly including separable and interchangeable and replaceable rotary feeder disks peripherally recessed and mounted on said shaft to rotate therewith between said inlet and outlet openings, peripherally grooved spacer disks on said shaft and between said feeder disks, and washer-like spacer disks of wear resistant material on said shaft between said feeder disks and said grooved spacer disks comprising bearing members for the shaft auxiliary to said cap bearings.

2,569,422
ALPHA-HYDROXYDECANOIC ACID
Charles L. Levesque, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 18, 1949, Serial No. 128,253
3 Claims. (Cl. 260—535)

1. As a new chemical compound, 2-hydroxy-4,6,6-trimethylheptanoic acid.

2,569,423
PROCESS FOR PREPARING PHENOXYALKYL BROMIDE
Leo S. Luskin, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 25, 1949, Serial No. 101,477
5 Claims. (Cl. 260—612)

1. A process for preparing phenoxyalkyl bromides of the formula

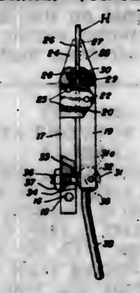


which comprises heating together a phenoxy alkanol of the formula



and a molecular excess of 45% to 50% hydrobromic acid and taking therefrom an aqueous distillate at the rate of 0.3 to 1.5 moles of water per hour per mole of initial phenoxyalkanol until a vapor temperature of about 125° C. is reached, n in the above formulae being an integer from two to three, C_nH_{2n} being an alkylene chain of at least two carbon atoms, and R being a member of the class consisting of hydrogen, alkyl groups of not over two carbon atoms, chlorine, and the nitro group.

2,569,424
FLY-TYING VISE
Elton C. Mayhew and Albert W. Round, Torrington, Conn., assignors to The Sterling Mfg. Co., Torrington, Conn., a corporation of Connecticut
Application March 5, 1948, Serial No. 13,095
1 Claim. (Cl. 81—25)



In a fly-tying vise, a stationary jaw, a movable jaw pivoted thereto, and means for clamping a book between the outer end portions of said jaws, said clamping means comprising an eccentric cam member rotatably mounted on the other end of one of said jaws and an adjustable abutment comprising a ball bearing in a tapped bore located

in the other end of the other of said jaws, said cam member having a peripheral groove engaging said ball bearing, and said bore having a screw adjustably mounted therein to serve as a backing for said ball bearing.

2,569,425

METHOXY-ETHYL ESTERS OF IMIDO ACIDS

Richard O. Norris, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 30, 1947, Serial No. 794,320
8 Claims. (Cl. 260—453)

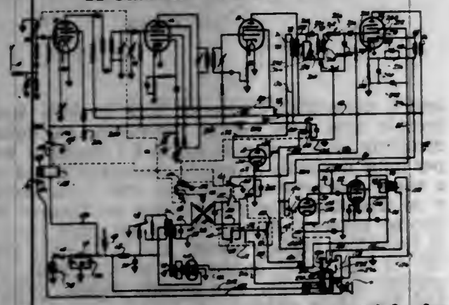
1. Imido esters of lower aliphatic alpha chloroimidic acids selected from the class consisting of the esters of alpha chloro-propionimidic acids of not more than 3 chlorine substituents and alpha chloro-butyrimidic acids of not more than 2 chlorine substituents with 2-methoxyethanol.

2,569,426

RADIO RECEIVER

William J. O'Brien, London, England, assignor, by mesne assignments, to Signal Tuned Radio Corporation, Chicago, Ill., a corporation of Illinois

Application July 16, 1945, Serial No. 605,397
44 Claims. (Cl. 250—20)



1. In a tunable radio receiver, a high frequency amplifier and a low frequency amplifier utilized for tuning the receiver as well as for normal reception, means energized from the high frequency amplifier for supplying a positive tuning control signal substantially sharper than the response curve of said high frequency amplifier, and means including switch means for connecting said tuning control signal supplying means to said low frequency amplifier to impress said positive tuning signal on the input grid of said low frequency amplifier during tuning and for disconnecting it therefrom during reception.

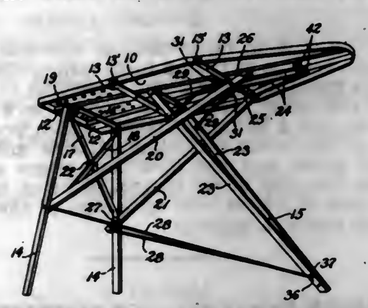
2,569,427

COLLAPSIBLE SUPPORT FOR IRONING TABLES

Howard B. Rich, Carrollton, and Andrew Green, Worthville, Ky., assignors to Howard B. Rich, Inc., a corporation of Kentucky

Application February 2, 1949, Serial No. 74,196
2 Claims. (Cl. 28—117)

1. A collapsible ironing table which comprises a board having front and rear ends, a pair of rear legs pivoted to the underside of the board adjacent the rear end thereof, a front leg pivoted to the underside of the board at a point between the ends thereof, means for holding the rear legs in spaced relation to each other, a tension member extending between the front leg and the underside of the board at a point forward of the pivot for the front leg, a pair of elongated tension members, each of said elongated tension members being secured to one of the rear legs at a point between the ends thereof and to the front leg at a point near the foot thereof, a toggle linkage comprising struts and links secured to each other, the links being secured to the board and the struts to said rear legs, the length of the links and struts in straight line position being greater than the distance between the points of attachment to said rear legs and board whereby a toggle joint is formed at the point where the struts and links are attached to each other, said struts and toggle links being swingable across the break point of the toggle joint whereby when the legs are moved to upright position, the toggle links lie against the underside of the board and above the break point and when collapsed the toggle links are free to swing away from the break point to a collapsed position in which the struts and legs are substantially parallel with the board, said front leg when upright being subjected to a bending load, the tension member extending between the front leg and the board acting to offset the bending load when the board is loaded.



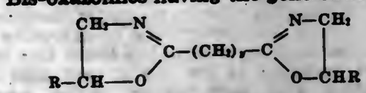
2,569,428

BIS-OXAZOLINES

Stanley P. Rowland, Philadelphia, Pa., assignor to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application July 22, 1950, Serial No. 175,481
2 Claims. (Cl. 260—307)

1. Bis-oxazolines having the general formula



in which y is an integer of value 4 to 8 inclusive and R is a monovalent hydrocarbon group from the class consisting of a phenyl group and alkyl groups containing one to sixteen carbon atoms.

2,569,429

SYNTHETIC LUBRICANTS

Thomas F. Rutledge, St. Louis, Mo., and Francis M. Seger, Pitman, Alexander N. Sachanen, Woodbury, and William E. Garwood, Haddonfield, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 28, 1950, Serial No. 187,368
19 Claims. (Cl. 260—450)

1. A process for preparing a synthetic lubricant from an olefinic charge stock obtained by a Fischer-Tropsch reaction and having a substantial portion boiling within the range of about 150° F. to about 600° F., said lubricant having good color, low carbon residue and having inhibitor response with an oil-soluble, phosphorus- and sulfur-containing reaction product of pinene and P_2S_5, which comprises: contacting said charge stock with a substantially saturated solution of an alkali metal salt of a mono-hydroxy aromatic compound represented by the general formula R_n—A—OH wherein A is an aromatic nucleus, R is an alkyl group having less than about 6 carbon atoms, and n is an integer from 0 to 3, whereupon an extract layer and a raffinate layer are formed; separating said extract and raffinate layers; and converting said raffinate layer into said synthetic lubricant.

2,569,430

BONDED ALUMINA REFRACTORIES AND MANUFACTURE

Herbert S. Schroeder, Niagara Falls, and Ian M. Logan, Lewiston, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

No Drawing. Application June 20, 1949, Serial No. 100,295
10 Claims. (Cl. 106—65)

1. A bonded refractory article comprising granular fused alumina and a ceramic bond, said granular fused alumina containing 2% to 8% silica and being otherwise substantially pure aluminum oxide.

2,569,431

PROCESS OF PREPARING MONONITRO MONOCYCLIC ARYL LOWER ALKYL ETHERS

Michael Witte, Nassau, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 16, 1951, Serial No. 206,289
6 Claims. (Cl. 260—562)

1. The process of preparing nitro derivatives of 2-alkoxyacetanilides which comprises introducing into a mixture of acetic acid with 2-alkoxyacetanilide, in which the alkoxy group contains 1 to 4 carbon atoms, nitric acid in the form of an aqueous solution of at least 85% concentration at a temperature between 0°–45° C. in the presence of a phosphorus compound selected from the group consisting of phosphorus oxides, phosphorus halides, and phosphorus oxyhalides as a catalyst.

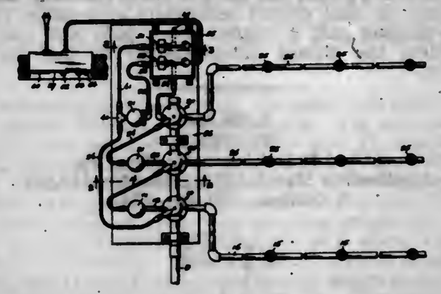
2,569,432

LAWN SPRINKLER SYSTEM

James A. Halford, Seattle, Wash.

Application May 6, 1947, Serial No. 746,379
1 Claim. (Cl. 161—7)

In a lawn-sprinkling system of a nature employing a plurality of discharge branches each having separate valved connection with a pressure source of water supply, and providing control means including a pair of normally closed pipes one of which is so associated with the valves as, by its opening, to open a related one of the valves and, by its closing, to close said valve and at the same time initiate a sequential operation of the other valves in the system and the other of which pipes is so associated with the valves after such initiation, as to permit such sequential operation, and by its closing, to terminate recurrent repetition of the cycle of sequential operation, a control valve for each of said pipes, a solenoid for each control valve operative when energized to open the related pipe, independent and normally open electric circuits for the solenoids, an electric timer, means responsive to the operation of the timer for first closing the circuit for the solenoid of the first-named pipe at a predetermined short interval and then closing the circuit for the solenoid of



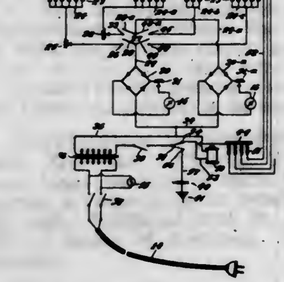
the second-named pipe, a normally open circuit for the electric timer, an electric clock, and means responsive to the operation of the clock for closing the circuit for the timer at a predetermined time reading of the clock and for opening said circuit at a later predetermined time reading, said electric timer being adapted to be automatically reset with the opening of the circuit therefor.

2,569,433

ELECTRIC SURFACE GAUGE

George A. Highberg, West Hartford, and Harry J. Hauck, New Britain, Conn., assignors to Modern Tools, Incorporated, a corporation of Connecticut

Application June 14, 1945, Serial No. 599,374
1 Claim. (Cl. 33—174)



An electric gage for gaging the surface of a work part; said gage comprising an electric circuit having therein a plurality of contact members adapted to engage the surface being gaged; said contact members being insulated from each other and supported with their ends disposed substantially on a single plane and in position to engage the surface being gaged; the said contact members also being connected in said circuit in parallel and having a light bulb and a condenser in series with each of said contact members, certain ones of said contact members being connected in parallel and by a single conductor in said circuit to an ammeter for indicating the

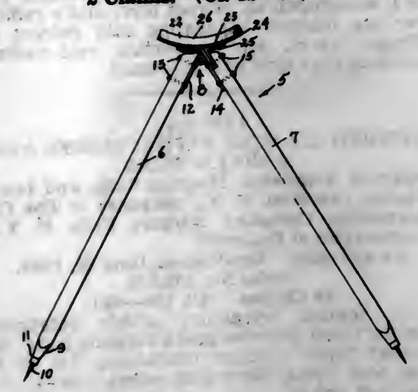
amount of current flowing through each of said groups, and means for selectively connecting said ammeter with different groups of said contact members; the work part being mounted upon the ends of said contact members and grounded to said circuit to permit the flow of current therethrough for lighting said indicating bulbs to show where actual contact exists between a contact member and the surface being checked, and means in said circuit selectively operatable for by-passing said grounded work part and completing the circuit independently of the work part.

2,569,434
HOSIERY
Alfred E. Lechinger, Reading, Pa.
Application May 2, 1950, Serial No. 159,535
7 Claims. (Cl. 66—178)



1. A stocking of the character described which extends at least to the knee area of the wearer and comprises, a foot section, a leg section, and an indicator structure including a straight linear element and an ornamental element, which structure is located in substantially median plane relation to the front of said stocking and extends downwardly from said stocking knee area at least to the ankle area with the ornamental element arranged substantially at the lower end of the linear element.

2,569,435
GUN REST
David E. Martin, Xenia, Ohio
Application January 24, 1949, Serial No. 72,480
2 Claims. (Cl. 42—94)



1. A gun rest comprising a pair of leg members, means including a strap hinge for pivotally connecting the upper end of said leg members, the upper end of one of said leg members having a notch formed therein, a pair of brackets, one of said brackets having an arm curving outwardly therefrom and overlying one leg member, the other of said brackets having an arm curving outwardly therefrom and overlying the other leg member, said brackets being held in abutting relation within said notched end by said hinge, and said outwardly extending arms forming a gun supporting surface.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

560,163. ALLOY AND METHODS OF USE. Robert D. Malin, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Oct. 24, 1944. Published Sept. 25, 1951. Class 113—112. 1 sheet of drawings. 12 pages of specification.

The disclosure relates to alloys for use in brazing and case-hardening, and especially an alloy of a refractory metal and a non-refractory metal of such a composition that it may be used for brazing or case-hardening such a refractory metal. It pertains more particularly to brazing of tungsten to tungsten, molybdenum to molybdenum or molybdenum to tungsten, with binary alloys of tungsten or molybdenum having as one component a metal of Series 4 of Group VIII, that is, one of the group consisting of iron, cobalt and nickel.

When nickel alone is used to braze together two refractory metal parts, such as those of tungsten and/or molybdenum, the brazed joint, after high temperature use, becomes brittle due to the diffusion of the nickel into the tungsten and/or molybdenum, as the case may be. We have found that if the brazing material is an alloy, preferably in eutectic proportions, of nickel, for example, and a metal which is the same as the metal to be brazed, i. e. molybdenum or tungsten, the diffusion of the nickel into the brazed pieces forms a hypereutectic of the metals. The eutectic alloy used as the brazing material has a lower melting point than nickel, while the hypereutectic of the resulting bond has a higher melting point than the eutectic of nickel and molybdenum, or nickel and tungsten, which would normally be formed if pure nickel were used as the brazing material.

Specific examples include brazing two pieces of molybdenum by use of an alloy of molybdenum and nickel which is an approximate eutectic. The proportion of molybdenum in the alloy may vary from 36% to 51%. Other binary alloys of molybdenum with metals of the group of iron, cobalt and nickel are disclosed.

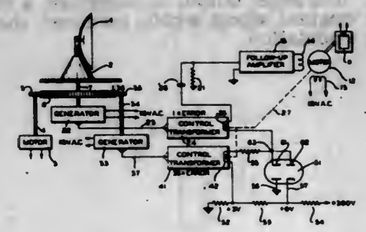
Another specific example includes the brazing of two pieces of tungsten by use of an alloy similar to that used with molybdenum, with tungsten replacing the molybdenum in the brazing alloy.

Case-hardening of the metals can be accomplished by applying the brazing alloy to the surface of a refractory metal such as tungsten or molybdenum and heating for a relatively long time.

613,179. CONTROL CIRCUIT FOR DUAL SELSYN SERVO. Ralph E. Meagher, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Filed Aug. 28, 1945. Published Sept. 25, 1951. Class 318—30. 1 sheet of drawings. 11 pages of specification.

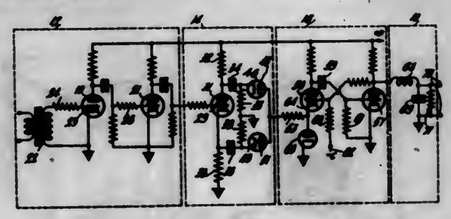
The disclosure relates to a servo follow-up system for maintaining rotational synchronism between driven and following elements.

Referring to the drawing, the deflection yoke 11 is caused to rotate in synchronism with antenna 1 through synchro generators 22 and 33, control transformers 24 and 41 and follow-up amplifier 15 coupled to two-phase motor 12. The improvement over prior systems lies in multiplying the position error of yoke 11 by coupling generator 33 to antenna 1 through gear train 35,6 which may have a 1:36 ratio. The outputs of control transformers 24 and 41 are connected in series to form an input to follow-up amplifier 15. The output of control transformer 41 is shunted by a biased



double diode clipper circuit including resistor 55 and electron tube 51. The bias voltages on the double diode clipper are selected so that the output signal from transformer 41 is clipped at a level such that the combined signals of transformers 24 and 41 have but one zero value for each 180° of position error between yoke 11 and antenna 1. The multiplied position error from control transformer 41 increases the accuracy of following while the clipping circuit prevents motor 12 from driving to a false zero position if antenna 1 is moved at too great a rate or is moved while the follow-up system is de-energized.

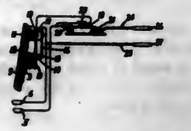
685,589. CONVERSION OF FREQUENCY MODULATED SIGNALS. Charles N. Gillespie, Waltham, Mass., assignor to Radio Corporation of America, a corporation of Delaware. Filed July 23, 1946. Published Sept. 25, 1951. Class 250—27. 2 sheets of drawings. 12 pages of specification.



An arrangement for converting a frequency modulated carrier signal to the original amplitude varying signal is shown. The frequency modulated signal input is limited by the limiter

12. The limited signal is differentiated by the phase inverter and differentiation circuit 14 to produce a series of positive pulses which control a trigger circuit 16 to obtain a square wave. The square wave is integrated by the pulse integrator 18 to obtain the original amplitude varying signal. The accompanying figure of the drawing shows the limiter 12 as a cascade limiter comprising vacuum tubes 19 and 21. The frequency modulated input is applied to the first stage of the limiter by way of the coupling transformer 22. The output of the limiter is applied to the grid 29 of the phase inverter tube 31. The outputs from the tube 31 are taken across the plate resistor 32 and the cathode resistor 33 so that these two outputs are 180° out of phase. The output appearing across the resistor 32 is differentiated by the differentiating circuit 34—36 and the output appearing across the resistor 33 is differentiated by the differentiating circuit 36—39. The trigger circuit 16 is a multivibrator having tubes 56 and 57 connected to provide a tripped condition of definite time duration. More widely spaced pulses are produced by the multivibrator when the signal frequency is low. The pulse integrator 18 is a low pass filter and its output is a wave proportional to the average value of the pulses. The filter output is, therefore, a replica of the original signal which produced the frequency modulation.

65,938. THERMAL CONTROL FOR HEATING DEVICES. Walter R. Weeks, Hamden, Conn., assignor to General Electric Company, a corporation of New York. Filed Dec. 17, 1948. Published Sept. 25, 1951. Class 219—20. 1 sheet of drawings. 8 pages of specification.

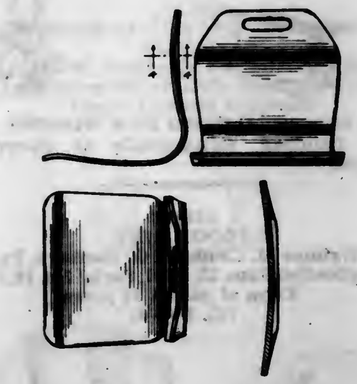


This application discloses a cooking vessel having an electric heating unit with terminals 5, 6 connected to terminal pins 26, 27. In the heating circuit is a main thermal switch remote from the cooking vessel comprising a bi-metal 18 and a heating coil 23. Coil 23 is in circuit with a switch 14, 15 actuated by a bi-metal 8 responsive to the temperature of the vessel. 12 is an insulator. When the temperature of the vessel reaches a predetermined high value, switch 14, 15 is closed whereupon heating coil 23 effects the opening of the main switch. When switch 14, 15 opens again with cooling of the vessel, the main switch again closes. Thus cycling operation of the main switch is effected to maintain the vessel at a temperature set by bi-metal 8.

DESIGNS

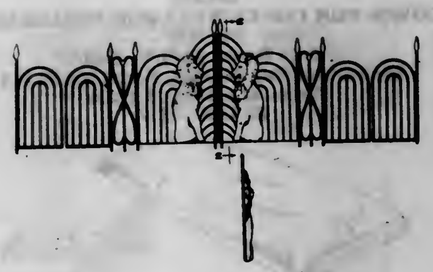
SEPTEMBER 25, 1951

164,619
COMBINED SEAT AND BACK FOR A CHAIR OR THE LIKE
William James Bargen, Waukegan, Ill.
Application March 29, 1950, Serial No. 8,838
Term of patent 14 years
(Cl. D15—8)



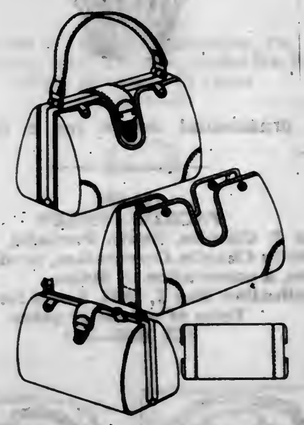
The ornamental design for a combined seat and back for a chair or the like, as shown.

164,620
GATE UNIT
Mary Bello, Brooklyn, N. Y.
Application April 27, 1950, Serial No. 9,519
Term of patent 3½ years
(Cl. D22—1)



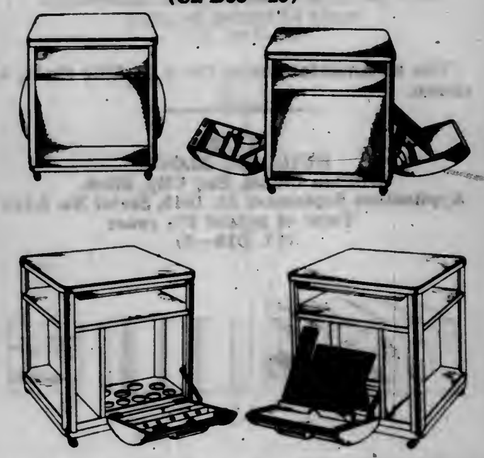
The ornamental design for a gate unit, substantially as shown.

164,621
COMBINED HANDBAG AND COVER THEREFOR
Mitchell R. Biemen, New York, N. Y.
Application June 21, 1951, Serial No. 15,626
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a combined handbag and cover therefor, substantially as shown and described.

164,622
COMBINED TABLE, CABINET, AND DESK
Charles Samuel Bread, Enfield, England
Application May 24, 1950, Serial No. 10,142
In Great Britain January 2, 1950
Term of patent 14 years
(Cl. D32—19)



The ornamental design for a combined table, cabinet and desk, as shown.

164,623
HANDBAG
Margaret S. Chandler, Sacramento, Calif.
Application October 18, 1950, Serial No. 12,610
Term of patent 7 years
(Cl. D67—3)



The ornamental design for a handbag, as shown.

164,624
PACKING SHEET
Charles J. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application May 1, 1951, Serial No. 15,928
Term of patent 14 years
(Cl. D58—13)



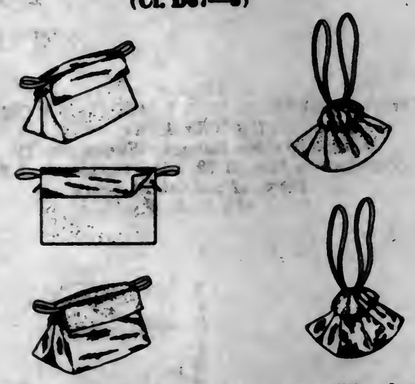
The ornamental design for a packing sheet, as shown.

164,625
BUILDING BLOCK
William Clokie, Bay City, Mich.
Application September 22, 1949, Serial No. 5,140
Term of patent 3½ years
(Cl. D13—3)



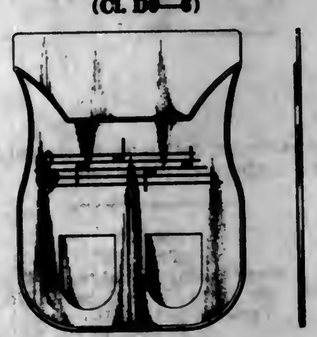
The ornamental design for a building block, as shown.

164,626
REVERSIBLE DRAWSTRING HANDBAG
Joseph Cohen, New York, N. Y., assignor to James Arden, New York, N. Y.
Application March 7, 1950, Serial No. 8,376
Term of patent 3½ years
(Cl. D67—3)



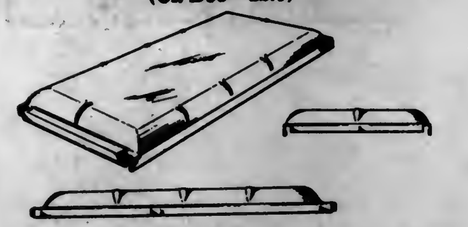
The ornamental design for a reversible, drawstring handbag, substantially as shown and described.

164,627
FLOOR MAT
Virginius M. Cruikshank, Sunbury, Pa.
Application June 23, 1950, Serial No. 10,714
Term of patent 14 years
(Cl. D9—6)



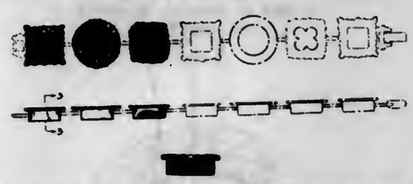
The ornamental design for a floor mat, as shown.

164,628
COVER FOR CONTAINERS FOR PERISHABLE FOODS
Calvin Davis, Salinas, Calif.
Application May 26, 1950, Serial No. 10,214
Term of patent 14 years
(Cl. D58—12.6)



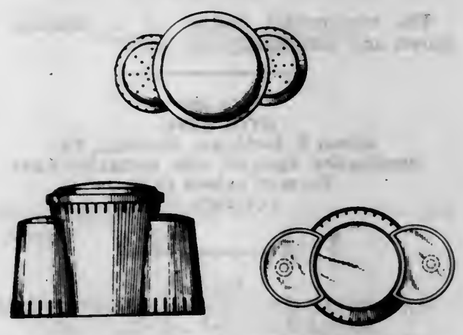
The ornamental design for a cover for containers for perishable foods, as shown.

164,629
BRACELET OR SIMILAR ARTICLE
Jerry Fels, Los Angeles, Calif.
Application March 27, 1950, Serial No. 8,792
Term of patent 7 years
(Cl. D45—4)



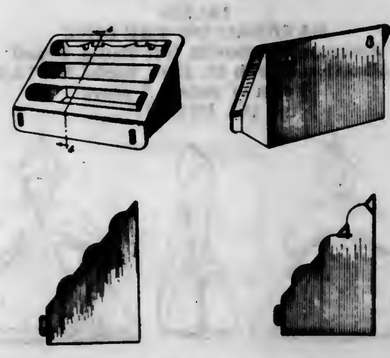
The ornamental design for a bracelet or similar article, substantially as shown and described.

164,630
COMBINED SUGAR AND CONDIMENT HOLDER
Samuel W. Friedman, Los Angeles, Calif.
Application May 6, 1950, Serial No. 9,758
Term of patent 3½ years
(Cl. D44—22)



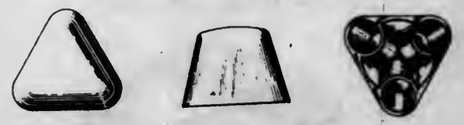
The ornamental design for a combined sugar and condiment holder, substantially as shown and described.

164,631
TIE HOLDER
Max L. Gershgoren, Murray Goren, and Charles Goren, Brooklyn, N. Y.
Application June 7, 1950, Serial No. 10,392
Term of patent 3½ years
(Cl. D30—9)



The ornamental design for a tie holder, substantially as shown.

164,632
EASEL HEAD
Burrell V. Hughes, Detroit, Mich.
Application January 25, 1950, Serial No. 7,459
Term of patent 14 years
(Cl. D33—14)



The ornamental design for an easel head, as shown.

164,633
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 18, 1950, Serial No. 9,307
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

164,634
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 18, 1950, Serial No. 9,308
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

164,635
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 28, 1950, Serial No. 9,541
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

164,636
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 28, 1950, Serial No. 9,542
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

164,637
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 28, 1950, Serial No. 9,543
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

164,638
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application April 28, 1950, Serial No. 9,544
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

164,639
HANDBAG OR THE LIKE
Herman Jakubovitz, Sao Paulo, Brazil
Application March 22, 1951, Serial No. 14,584
Term of patent 7 years
(Cl. D87—3)



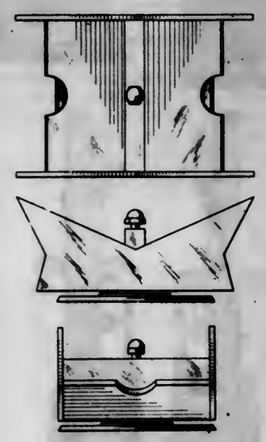
The ornamental design for a handbag or the like, substantially as shown.

164,640
PLATE OR THE LIKE
Doris Johnson, New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application April 14, 1950, Serial No. 9,192
Term of patent 14 years
(Cl. D44—15)



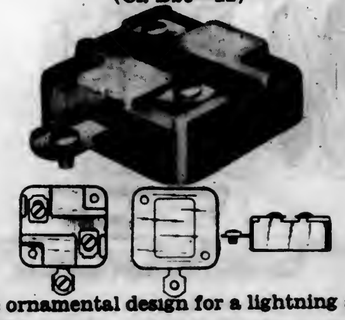
The ornamental design for a plate or the like, as shown.

164,641
REVOLVING PLAYING CARD DISPENSER
Elmer L. Jones, Los Angeles, Calif.
Application March 14, 1951, Serial No. 14,496
Term of patent 7 years
(Cl. D34—13)



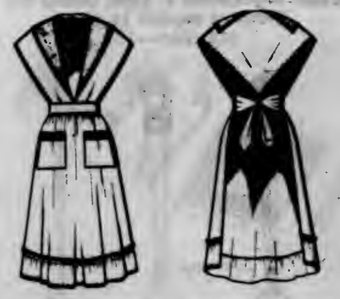
The ornamental design for a revolving playing card dispenser, as shown.

164,642
LIGHTNING ARRESTER
Curt W. Klostermann, Chicago, Ill., assignor to American Phenolic Corporation, Chicago, Ill., a corporation of Illinois
Application May 12, 1950, Serial No. 9,910
Term of patent 14 years
(Cl. D26—11)



The ornamental design for a lightning arrester, as shown.

164,643
APRON OR SIMILAR ARTICLE
Ruth B. Kriegel, Los Angeles, Calif.
Application April 7, 1950, Serial No. 9,643
Term of patent 7 years
(Cl. D3—26)



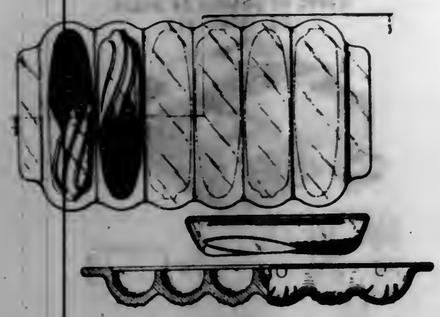
The ornamental design for an apron or similar article, as shown.

164,644
HAND TRUCK
Sidney D. Lapham, Martinez, Calif.
Application July 24, 1950, Serial No. 11,369
Term of patent 14 years
(Cl. D14—3)



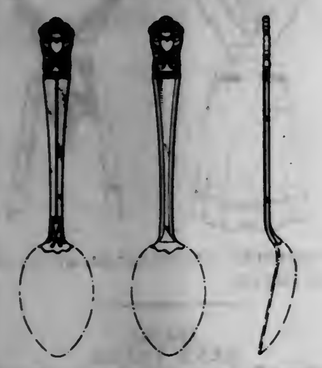
The ornamental design for a hand truck, as shown.

164,645
BAKING DISH OR SIMILAR ARTICLE
Clarence L. Maish, Warsaw, Ind.
Application October 29, 1949, Serial No. 5,772
Term of patent 14 years
(Cl. D26—2)



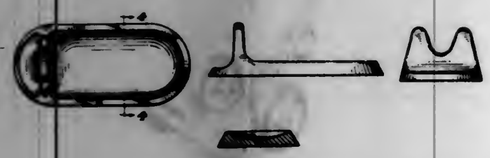
The ornamental design for a baking dish or similar article, substantially as shown and described.

164,646
SPOON OR THE LIKE
Norman J. Mercer, Brooklyn, N. Y.
Application September 8, 1950, Serial No. 12,107
Term of patent 14 years
(Cl. D54—12)



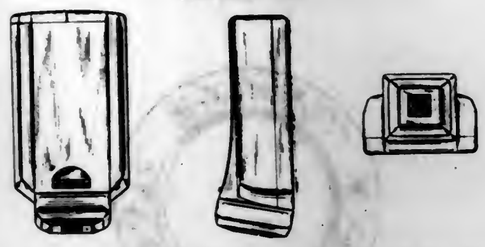
The ornamental design for a spoon or the like, substantially as shown and described.

164,647
SPOON REST
Peter F. Murray, Montebello, Calif.
Application July 8, 1950, Serial No. 11,023
Term of patent 7 years
(Cl. D44—24)



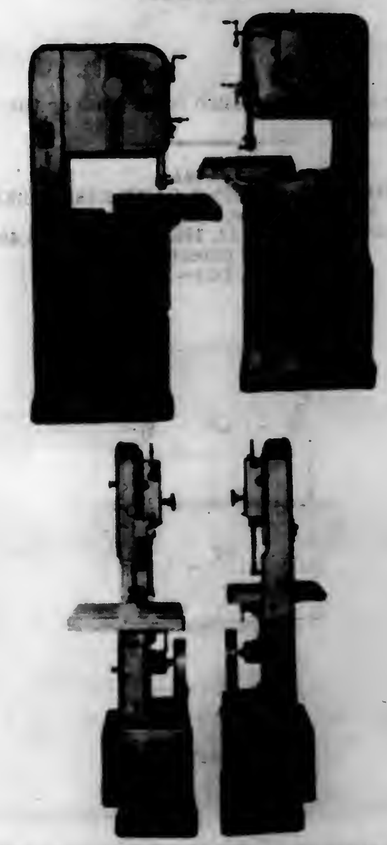
The ornamental design for a spoon rest, as shown.

164,648
HEARING AID APPARATUS
Emmanuel C. Nicholides, New York, N. Y., and Charles L. Metzler, Palisades Park, N. J., assignors to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware
Application November 17, 1950, Serial No. 13,032
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a hearing aid apparatus, substantially as shown.

164,649
BAND SAW
William Ferdinand Ocenasek, Plainfield, N. J.
Application October 9, 1950, Serial No. 12,490
Term of patent 14 years
(Cl. D93—3)



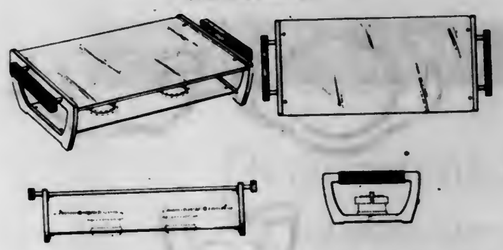
The ornamental design for a band saw, substantially as shown.

164,650
STAND FOR HEATED FOOD RECEPTACLES
Daniel C. O'Connell, Bedford Village, N. Y., assignor to Sterno, Inc., New York, N. Y., a corporation of New York
Continuation of design application Serial No. 6,449, December 6, 1949. This application April 26, 1950, Serial No. 9,489
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a stand for heated food receptacles, as shown.

164,651
PORTABLE HOT PLATE
Daniel C. O'Connell, Bedford Village, N. Y., assignor to Sterno, Inc., New York, N. Y., a corporation of New York
Application December 14, 1950, Serial No. 13,430
Term of patent 14 years
(Cl. D81—10)



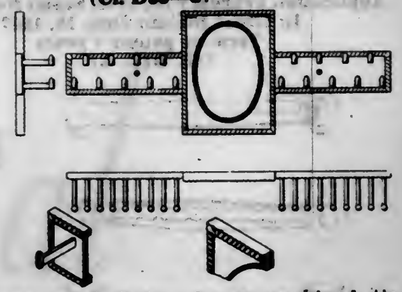
The ornamental design for a portable hot plate, as shown and described.

164,652
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application April 27, 1951, Serial No. 14,983
Term of patent 7 years
(Cl. D45—16)



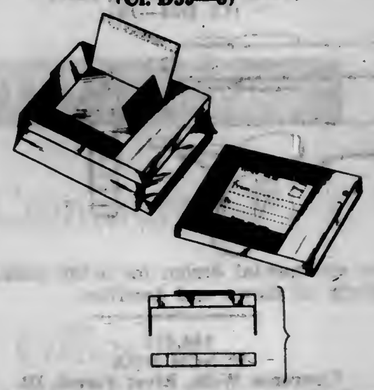
The ornamental design for a necklace or the like, substantially as shown and described.

164,653
COMBINED TIE RACK AND PICTURE FRAME
Emanuel G. Steib, Forest Hills, N. Y.
Application April 1, 1950, Serial No. 8,903
Term of patent 7 years
(Cl. D32—8)



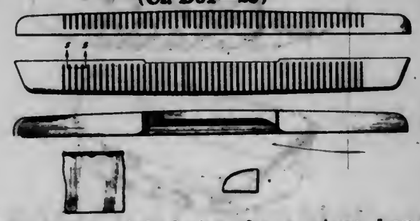
The ornamental design for a combined tie rack and picture frame, as shown.

164,654
COMBINED MAILING BOX AND LETTER ENVELOPE
Harry Steinberg, New York, N. Y.
Application April 9, 1951, Serial No. 14,756
Term of patent 3½ years
(Cl. D59—8)



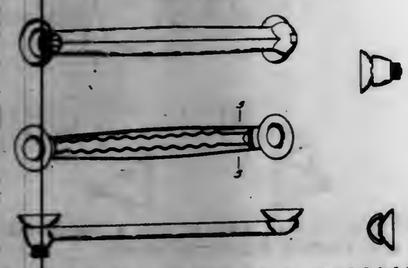
The ornamental design for a combined mailing box and letter envelope, substantially as shown and described.

164,655
STOVE HANDLE
Donald E. Stewart, Grand Rapids, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application February 20, 1950, Serial No. 8,933
Term of patent 7 years
(Cl. D81—25)



The ornamental design for a stove handle, substantially as shown.

164,656
WINDSHIELD DEFROSTER
Harold Charles Taylor, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England, a company of Great Britain
Application February 20, 1948, Serial No. 144,649
In Great Britain June 18, 1947
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a windshield defroster as shown.

164,657
TOY PISTOL
Allen Dix Tevell, Pasadena, Calif.
Application June 16, 1951, Serial No. 15,568
Term of patent 3½ years
(Cl. D34—15)



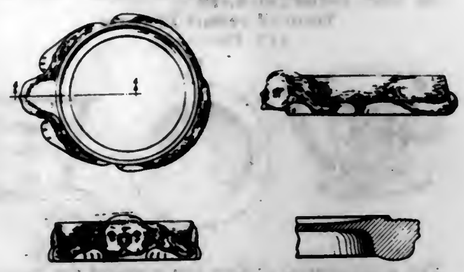
The ornamental design for a toy pistol, substantially as shown and described.

164,658
LUNCH BOX
Lawrence Welk, River Forest, Ill.
Application April 30, 1951, Serial No. 15,916
Term of patent 14 years
(Cl. D52—11)



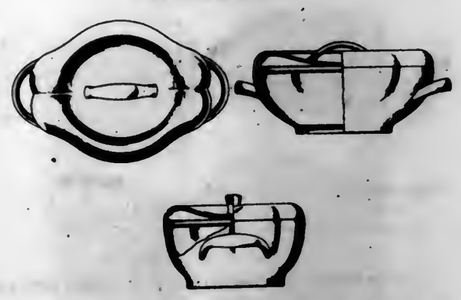
The ornamental design for a lunch box, as shown and described.

164,659
BOWL
Albert S. Yecko and Robert H. Fitzgerald, Pittsburgh, Pa.
Application September 28, 1950, Serial No. 12,381
Term of patent 14 years
(Cl. D44—10)



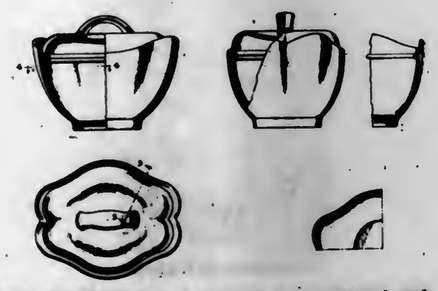
The ornamental design for a bowl, as shown.

164,660
COVERED CASSEROLE
Eva S. Zeisel, New York, N. Y., assignor to United China and Glass Co., New Orleans, La., a corporation of Louisiana
Application July 12, 1950, Serial No. 11,102
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a covered casserole, as shown.

164,661
SUGAR BOWL
Eva S. Zeisel, New York, N. Y., assignor to United China and Glass Co., New Orleans, La., a corporation of Louisiana
Application October 3, 1950, Serial No. 12,429
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a sugar bowl, as shown.

October 2, 1951 Volume 651 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aktiebolaget Bofors, Bofors, Sweden. Dyestuffs. Serial No. 608,334, Oct. 2. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Liquid mixture of hydrocarbons. Serial No. 562,829, Oct. 2. Class 6.

Allied Chemical & Dye Corporation, New York, N. Y. Synthetic organic chemical compositions. Serial No. 587,926, Oct. 2. Class 6.

Alling & Cory Company, The, Rochester, N. Y. Bond paper. Serial No. 607,917, Oct. 2. Class 37.

Alsop Engineering Corporation, Millidale, Conn. Open tanks, air tight storage tanks, settling tanks, etc. Serial No. 607,473, Oct. 2. Class 2.

American Crayon Company, The, Sandusky, Ohio. Chalkboard colored crayons. Serial No. 596,702, Oct. 2. Class 37.

American Cyanamid Company, New York, N. Y. Vitamin-mineral preparation. Serial No. 608,977-9, Oct. 2. Class 18.

American Furniture Sales Company, Cleveland, Ohio. Advertising pieces and literature. Serial No. 605,344, Oct. 2. Class 38.

American Lumber & Treating Co., Chicago, Ill. Chemically impregnating forest products. Serial No. 596,381-2, Oct. 2. Class 106.

American Stores Company, Philadelphia, Pa. Butter. Serial No. 589,702, Oct. 2. Class 46.

American Trade Publishing Company, New York, N. Y. Periodical. Serial No. 606,845, Oct. 2. Class 38.

Anderson, W. E., Inc., Kansas City, Mo. Meters, gauges and controlling valves. Serial No. 597,054, Oct. 2. Class 26.

Armour and Company, doing business under the trade style of Armour Curled Hair Works, Chicago, Ill. Pads containing hair, used for cushions, etc. Serial No. 577,930, Oct. 2. Class 32.

Armour and Company, Chicago, Ill. Synthetic detergent. Serial No. 581,793, Oct. 2. Class 52.

Armour Curled Hair Works: *See*—
Armour and Company.

Art Wire & Stamping Co., Newark, N. J. Seamless barrel swivels, safety snap swivels, lockfast swivels, etc. Serial No. 600,207, Oct. 2. Class 22.

Automotive Advertisers Council, New Castle, Ind. Prepared advertising. Serial No. 606,409, Oct. 2. Class 38.

Babyhood Industries, Inc., Worcester, Mass. Baby chairs and tables. Serial No. 601,188, Oct. 2. Class 32.

Baramark World Corporation, New York, N. Y. Lawn sprinklers. Serial No. 601,092, Oct. 2. Class 13.

Barrett, Leon J., Co., The, Millbury, Mass. Centrifugal machinery and equipment. Serial No. 532,405, Oct. 2. Class 23.

Bathasweet Corporation, New York, N. Y. Toilet soap. Serial No. 568,232, Oct. 2. Class 52.

Bear-Stewart Co., Chicago, Ill. Devil's-food cake mixture. Serial No. 602,542, Oct. 2. Class 46.

Beneficial Products, Inc., Birmingham, Mich. Antiseptic-germicidal preparation. Serial No. 609,224, Oct. 2. Class 18.

Bestpak Inc., Boston, Mass. Sheet lining materials. Serial No. 607,373, Oct. 2. Class 37.

Bisceglia Brothers Wine Co., Fresno, Calif. Wines. Serial No. 547,226, Oct. 2. Class 47.

Blue Seal Products: *See*—
Cobb, Thomas L. E.

Bokförlaget, The Polyglot Club Scholdberg & Gustafsson: *See*—
Scholdberg, Nils G. B.

Bombay Dyeing & Manufacturing Co., Ltd., The, Bombay, India. Cotton piece goods. Serial Nos. 612,677-8, Oct. 2. Class 42.

Botany Mills, Inc., Passaic, N. J. Lanolin lotion, suntan lotion, toilet cream, etc. Serial No. 600,115, Oct. 2. Class 51.

Boyd, William, Beverly Hills, Calif. Boys' and girls' school bags. Serial No. 606,119, Oct. 2. Class 3.

Boyd, William, Beverly Hills, Calif. Juvenile furniture. Serial No. 606,129, Oct. 2. Class 32.

Boyd, William, Beverly Hills, Calif. Paper table cloths and napkins. Serial No. 606,132, Oct. 2. Class 37.

Braid-Aid Company: *See*—
Griswold, Roger C.

Broadcasting Publications, Inc., Washington, D. C. Columns or sections of periodical publications. Serial No. 555,148, Oct. 2. Class 38.

Brooks, Burleigh, Co., New York, N. Y. Photographic lenses. Serial No. 609,586, Oct. 2. Class 26.

Brustein, S., New York, N. Y. Yarn blends of wool and "vicara." Serial No. 607,482, Oct. 2. Class 43.

Burcon Hosiery Mills, Inc., Burlington, N. C. Women's hosiery. Serial No. 608,195, Oct. 2. Class 39.

California Pencil Co.: *See*—
Peed, Clarence J.

Calvert Distilling Co., The, New York, N. Y. Alcoholic beverages. Serial No. 607,738, Oct. 2. Class 49.

Carrier Corporation, Syracuse, N. Y. Mechanical refrigeration apparatus and parts thereof. Serial No. 601,310, Oct. 2. Class 31.

Carstairs Bros. Distilling Co., Inc., New York, N. Y. Alcoholic beverages. Serial No. 608,235, Oct. 2. Class 49.

Casa Vinicola Barone Ricasoli: *See*—
Firidolfi, Bettino B.

Cerasi, Vincent C., Rome, Italy. Sprayers. Serial No. 578,488, Oct. 2. Class 13.

Chagrin Falls Chemicals, Inc.: *See*—
General Biochemicals, Inc.

Chambers Corporation, Shelbyville, Ind. In-built combination broiler and griddle. Serial No. 568,025, Oct. 2. Class 34.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Envelope paper. Serial No. 527,303, Oct. 2. Class 37.

Champion Textile Finishing Co., Chicago, Ill. Liquid composition. Serial No. 604,838, Oct. 2. Class 6.

Chase Candy Company, St. Louis, Mo. Candy. Serial No. 597,432, Oct. 2. Class 46.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving and photomechanical supplies. Serial No. 575,839, Oct. 2. Class 4.

Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Photographic, photoengraving, and photomechanical supplies. Serial No. 592,545, Oct. 2. Class 4.

Chicago Metallic Manufacturing Co., Chicago, Ill. Tobacco ash receptacles. Serial No. 585,053, Oct. 2. Class 32.

Coast Paint & Chemical Company, Los Angeles, Calif. Ready mixed oil and synthetic paints; oil and water miscible concentrated paints, etc. Serial No. 499,824, Oct. 2. Class 16.

Cobb, Thomas L. E., doing business as Blue Seal Products, Kennett, Mo. Preparation for cleaning and polishing hard finished surfaces. Serial No. 587,581, Oct. 2. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Sudsing cleaner, cleanser and detergent. Serial No. 582,675, Oct. 2. Class 52.

Columbia Products Co.: *See*—
Schrack, Leon C.

Comfort Paper Corporation, assignor to Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. Serial No. 527,236, Oct. 2. Class 37.

Cooperative Citrus Association: *See*—
Exeter Orange Growers Association.

Crown Zellerbach Corporation, assignee: *See*—
Comfort Paper Corporation.

Cudahy Packing Co., The, Chicago, Ill. Soap powder. Serial No. 506,584, Oct. 2. Class 52.

Cuno Engineering Corporation, The, Meriden, Conn. Mechanical fluid straining and filtering apparatus and parts thereof. Serial No. 599,158, Oct. 2. Class 31.

Daniels, C. R., Inc., Daniels, Md. Vinyl coated canvas hampers and baskets. Serial No. 562,183, Oct. 2. Class 2.

Decar, Inc., Middleton, Wis. Hard, flat plastic sheets, for covering table, counter and cabinet tops. Serial No. 563,913, Oct. 2. Class 32.

Delta-Star Electric Company, Chicago, Ill. Nuts, bolts, clamps, metal pipe and pipe fittings. Serial No. 566,328, Oct. 2. Class 13.

Detroit Hardware Manufacturing Company, Detroit, Mich. Builders' hardware articles. Serial No. 590,736, Oct. 2. Class 13.

Devil Laboratories Company: *See*—
Neyer, Charles W.

Dexter Company, The, Fairfield, Iowa. Household laundry washing machines. Serial No. 583,864, Oct. 2. Class 24.

Diadem, Inc., Leominster, Mass. Barrettes. Serial No. 586,402, Oct. 2. Class 40.

Diamond Alkali Company, Cleveland, Ohio. Employees' publication. Serial No. 599,086, Oct. 2. Class 38.

Diamond Sales Corporation, New York, N. Y. Children's magazine. Serial No. 598,897, Oct. 2. Class 38.

Dry-Ped Products Co.: *See*—
Runyon, Cecil H.

Electro Refractories & Abrasives Corporation: *See*—
Electro Refractories & Alloys Corporation.

Electro Refractories & Alloys Corporation, Buffalo, N. Y., now by change of name Electro Refractories & Abrasives Corporation. Refractory crucibles. Serial No. 591,981, Oct. 2. Class 34.

Elliott Knitting Mills, Inc., Hickory, N. C. Hosiery. Serial No. 539,294, Oct. 2. Class 39.

Etiwanda Citrus Fruit Association, Etiwanda, Calif. Fresh citrus fruits. Serial No. 571,125, Oct. 2. Class 46.

Eversharp, Inc., Chicago, Ill. Desk sets. Serial No. 606,461, Oct. 2. Class 37.

Excelsior Accordions, Inc., New York, N. Y. Accordions. Serial No. 605,206, Oct. 2. Class 36.

Exeter Orange Growers Association, also doing business as Cooperative Citrus Association, Exeter, Calif. Fresh citrus fruits. Serial No. 554,967, Oct. 2. Class 46.

Fibre Metal Products Company, The, Chester, Pa. Welding helmets, welding hand shields, etc. Serial No. 603,521, Oct. 2. Class 26.

Firidolfi, Bettino R., doing business as Casa Vinicola Barone Ricasoli, Firenze, Italy. Wines. Serial No. 514,325, Oct. 2. Class 47.

Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Artificial, natural and synthetic essential oils, and aromatic chemicals. Serial No. 603,590, Oct. 2. Class 18.

Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.

Florin, Walter, doing business as Micro Essential Laboratory, Brooklyn, N. Y. Testing kits for the qualitative and quantitative determination of the pH value of aqueous solutions. Serial No. 578,080, Oct. 2. Class 26.

Foote Mineral Company, Philadelphia, Pa. Metals and alloys. Serial No. 602,835, Oct. 2. Class 14.

Frederick Post Company, The, Chicago, Ill. Encased set of instruments for mechanical drawing. Serial No. 585,521, Oct. 2. Class 26.

Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 612,392, Oct. 2. Class 42.

Garner & Co., New York, N. Y. Bathroom utility cabinets. Serial No. 608,602, Oct. 2. Class 32.

Gaylord Bros., Inc., Syracuse, N. Y. Library stationery. Serial No. 553,358, Oct. 2. Class 37.

General Biochemicals, Inc., Chagrin Falls, Ohio, now by change of name Chagrin Falls Chemicals, Inc. Detergent. Serial No. 599,939, Oct. 2. Class 52.

General Foods Corporation, New York, N. Y. Baking powder. Serial No. 598,644, Oct. 2. Class 46.

General Foods Corporation, New York, N. Y. Baking powder. Serial No. 598,646, Oct. 2. Class 46.

Goltzman, Ben R., Ltd., Montgomery, Ala. Wines. Serial No. 596,840, Oct. 2. Class 47.

Gornbein, Samuel B., Los Angeles, Calif. Printed publication. Serial No. 500,774, Oct. 2. Class 38.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Furniture. Serial No. 595,953, Oct. 2. Class 32.

Green Giant Company, Le Sueur, Minn. Canned asparagus and canned corn. Serial No. 609,295, Oct. 2. Class 46.

Greenfield Tap and Die Corporation, Greenfield, Mass. Twist drills, reamers, milling cutters, etc. Serial No. 579,915, Oct. 2. Class 23.

Greiner, Emil, Company, The, New York, N. Y. Surface active agent solution. Serial No. 603,059, Oct. 2. Class 52

Gripsholm Restaurant Inc., New York, N. Y. Catering of food and beverages. Serial No. 600,957, Oct. 2. Class 100.

Griswold, Roger C., doing business as Braid-Aid Company, Kingston, Mass. Strip folding tool. Serial No. 567,195, Oct. 2. Class 23.

Growers & Packers Cooperative Canning Co., Inc., North Collins, N. Y. Frozen berries, canned vegetables, canned berries, etc. Serial No. 609,297, Oct. 2. Class 46.

Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. Serial Nos. 608,932–3, Oct. 2. Class 2.

Gump, S. & G., Company, San Francisco, Calif., assignor to Gump's, Inc. Base metal bowls, base metal vases, base metal plates, etc. Serial No. 576,534, Oct. 2. Class 13.

Gump's, Inc., assignee: *See*—
Gump, S. & G., Company.

Guy Millo Co.: *See*—
Stasio, Guy B.

H & H Distributing Company, Inc., Chicago, Ill. Whiskey. Serial No. 604,200, Oct. 2. Class 49.

Hall-Mack Company, Los Angeles, Calif. Medicine cabinets. Serial No. 563,046, Oct. 2. Class 32.

Hann, R. M., Candy Co., Inc., The, Long Island City, N. Y. Chocolates and bonbons. Serial No. 605,584, Oct. 2. Class 46.

Hansen-Van Winkle-Munning Company, Matawan, N. J. Polishing wheels and buffs. Serial No. 548,364, Oct. 2. Class 4.

Hays Corporation, The, Michigan City, Ind. Electronic type recorder or indicator Serial No. 563,407, Oct. 2. Class 26.

Heinth Manufacturing Company, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chemical substances. Serial No. 587,550, Oct. 2. Class 6.

Helix Corporation, Crown Point, Ind. Farm wagons. Serial No. 595,838, Oct. 2. Class 19.

Helms Bakeries, Los Angeles, Calif. Bakery goods. Serial No. 571,538, Oct. 2. Class 46.

Hemp and Company, Incorporated, Macomb, Ill. Thermally insulated food and beverage containers. Serial No. 579,596, Oct. 2. Class 2.

Henri, Hurst & McDonald, Inc., Chicago, Ill. Advertising goods and services. Serial No. 596,423, Oct. 2. Class 101.

Hostess Products Corp., Long Island City, N. Y. Mayonnaise. Serial No. 577,119, Oct. 2. Class 46.

Identatray Corporation, New York, N. Y. Wooden and plastic serving trays. Serial No. 588,492, Oct. 2. Class 2.

Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Supports for pneumatic rock drills. Serial No. 605,482, Oct. 2. Class 23.

International Paper Company, New York, N. Y. Paper bags. Serial No. 604,003, Oct. 2. Class 2.

Jaffe Candy Co., also doing business as Rosa Lee Candy Co., Los Angeles, Calif. Candy. Serial No. 565,934, Oct. 2. Class 46.

Jamestown Table Company, Jamestown, N. Y. Furniture. Serial No. 606,976, Oct. 2. Class 32.

Kantro, Jerome, doing business as Jerome Kantro Co., Salinas, Calif. Fresh vegetables. Serial No. 608,546, Oct. 2. Class 46.

Kantro, Jerome, Co.: *See*—
Kantro, Jerome.

Kenne, David, Co., The, Elmhurst, Ill. Portable cabinets with prearranged fittings. Serial No. 579,029, Oct. 2. Class 2.

King, J. E., Manufacturing Co., Springfield, Mo. Bedroom furniture, breakfast room furniture, living room furniture. Serial No. 601,831, Oct. 2. Class 32.

Knee Chaps: *See*—
Sullivan, John D.

Kress, S. H., and Company, New York, N. Y. Playing cards. Serial No. 614,992, Oct. 2. Class 22.

Lancaster Wholesale Grocery Company, Incorporated, The, Lancaster, Pa. Table syrup. Serial No. 607,758, Oct. 2. Class 46.

Lawndale Specialties Co., Evanston, Ill. Bath mitts. Serial No. 587,270, Oct. 2. Class 42.

Leggett, Francis H., & Company, New York, N. Y. Soap powder, household cleanser, and dishwashing compound. Serial No. 607,821, Oct. 2. Class 52.

Louis, M.: *See*—
Napolitan, Louis.

Libby, McNeill & Libby, Chicago, Ill. Pamphlets and other publications. Serial No. 581,137, Oct. 2. Class 38.

Lindberg Engineering Company, Chicago, Ill. Refractory crucibles. Serial No. 601,680, Oct. 2. Class 26.

Lindsey-Robinson & Company, Inc., Roanoke, Va. Poultry and livestock feeds and dairy rations. Serial No. 603,245, Oct. 2. Class 46.

Lindt & Sprungli, Inc., New York, N. Y. Chocolate candy. Serial No. 606,533, Oct. 2. Class 46.

M. K. M. Hosiery Mills, Inc., Boston, Mass. Ladies' hosiery. Serial No. 600,605, Oct. 2. Class 39.

Mandee Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 604,789, Oct. 2. Class 42.

Manfredonia Machine Company, Long Island City, N. Y. Envelope-making and gumming machinery. Serial No. 560,633, Oct. 2. Class 23.

Maybelline Co., Chicago, Ill. Mascara, eyebrow pencils, eye shadow, etc. Serial No. 609,248, Oct. 2. Class 51.

McDougall & Cassou Men's Shop, Inc., Phoenix, Ariz. Men's suits, trousers and hats. Serial No. 600,730, Oct. 2. Class 39.

McKenna, Jay G., Inc., Elkhart, Ind. Interior sliding door hardware. Serial No. 610,793, Oct. 2. Class 13.

Mercado, Rafael, Caracas, Venezuela. Prepared advertising. Serial No. 518,550, Oct. 2. Class 38.

Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,646, Oct. 2. Class 39.

Metropolitan Refining Co., Inc., New York and Long Island City, N. Y. Drain pipe solvent compound. Serial No. 579,991, Oct. 2. Class 52.

Michigan Chrome & Chemical Company, Detroit, Mich. Stop-off lacquer, coating lacquers, plastic protective coatings, etc. Serial No. 571,338, Oct. 2. Class 16.

Micro Essential Laboratory: *See*—
Florin, Walter.

Middleby, Joseph, Jr. Inc., Boston, Mass. Fruit jelly, bread mixes, moist type and powdered fruit fillings, etc. Serial No. 554,995, Oct. 2. Class 46.

Miller, T. R., Mill Company, Inc., Brewton, Ala. Packages, boxes and shipping cases. Serial No. 583,767, Oct. 2. Class 2.

Monarch Marking System Company, The, Dayton, Ohio. Automatic tag marking and affixing machines. Serial No. 608,661, Oct. 2. Class 23.

Monarch Wine Company of Georgia, Atlanta, Ga. Wines. Serial No. 605,320, Oct. 2. Class 47.

Monarch Wine Co. of Georgia, Atlanta, Ga. Wines. Serial No. 605,321, Oct. 2. Class 47.

Mooresville Mills, Inc., Mooresville, N. C. Cotton piece goods. Serial No. 612,813, Oct. 2. Class 42.

Morton-Withers Chemical Company, Greensboro, N. C. Plasticizers. Serial No. 595,271, Oct. 2. Class 6.

Murray Deodorisers Limited, Auckland, New Zealand. Pasteurizers, and machines for heating and cooling liquid and semi-liquid substances. Serial No. 499,142, Oct. 2. Class 34.

Nachman Corporation, Chicago, Ill. Spring assemblies for mattresses. Serial No. 578,277, Oct. 2. Class 32.

Napolitan, Louis, doing business as M. Louis, New York, N. Y. Consulting services. Serial No. 558,910, Oct. 2. Class 100.

National Photo Service & Supply Co., Inc., Appomattox, Va. Reproducing photographs. Serial No. 539,338, Oct. 2. Class 106.

Neyer, Alice R., assignee: *See*—
Neyer, Charles W.

Neyer, Charles W., doing business as Devil Laboratories Company, Cincinnati, assignor to A. R. Neyer, Hamilton County, Ohio. Parts for pyrophoric cigar and cigarette lighters. Serial No. 563,274, Oct. 2. Class 8.

Northern Valley Packing Corporation, Hollandale, Minn. Raw potatoes. Serial No. 593,880, Oct. 2. Class 46.

Orchard Paper Co., St. Louis, Mo. Wrapping paper. Serial No. 605,046, Oct. 2. Class 37.

Orr, Robert, & Company: *See*—
Orr, Robert, & Co., Inc.

Orr, Robert, & Co., Inc., assignor, by mesne assignments, to Robert Orr & Company, Nashville, Tenn. Packaged foods. Serial No. 568,442, Oct. 2. Class 46.

Pacific Fruit & Produce Co.: *See*—
Pacific Gamble Robinson Company.

Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co, Seattle, Wash. Fresh vegetables. Serial No. 607,297, Oct. 2. Class 46.

Peabody American, Inc., assignee: *See*—
Peabody, Henry W., & Co., Inc.

Peabody, Henry W., & Co., Inc., Seattle, Wash., assignor to Peabody American, Inc., New York, N. Y. Canned lobster and canned fruit cocktail. Serial No. 574,048, Oct. 2. Class 46.

Peed, Clarence J., doing business as California Pencil Co., Hollywood, Calif. Pencils. Serial No. 597,456, Oct. 2. Class 37.

Penick & Ford, Ltd., Incorporated, New York, N. Y. Corn oil. Serial No. 603,306, Oct. 2. Class 46.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Heintz Manufacturing Company.

Pennsoil Company, The, Oil City, Pa. Machine for applying postage stamps and addresses to post cards, etc. Serial No. 607,451, Oct. 2. Class 23.

Pepperell Manufacturing Company, Boston, Mass. Blankets. Serial No. 612,701, Oct. 2. Class 42.

Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Frozen shrimp. Serial No. 593,498, Oct. 2. Class 46.

Peter Paul, Inc., Naugatuck, Conn. Candy. Serial No. 530,117, Oct. 2. Class 46.

Pillsbury Mills, Inc., Minneapolis, Minn. Prepared mix comprising flour, etc. Serial No. 609,049, Oct. 2. Class 46.

Pirrone, F., & Sons, Inc., Garfield, N. J. Wines. Serial No. 588,513, Oct. 2. Class 47.

Pitkin, Inc., Newark, N. Y. Cologne, dusting powder, face powder, etc. Serial No. 537,619, Oct. 2. Class 51.

Puretex Lemon Juice, Inc., Raymondville, Tex. Bottled lemon juice and bottled lime juice. Serial No. 589,617, Oct. 2. Class 46.

Puritan Furniture Mfrs., Melrose, Mass. Wood beds, dressers, chests of drawers, etc. Serial No. 574,051, Oct. 2. Class 32.

Rand Rubber Company, Inc., Brooklyn, N. Y. Baby pants. Serial No. 550,563, Oct. 2. Class 39.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Metal receptacles. Serial No. 585,144, Oct. 2. Class 2.

Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. Serial No. 598,022, Oct. 2. Class 52.

Reamstown Hosiery Mills, Inc., Mohnton, Pa. Ladies' hosiery. Serial No. 601,465, Oct. 2. Class 39.

Recordak Corporation, The, New York, N. Y. Photographic prints and enlargements. Serial No. 570,378, Oct. 2. Class 38.

Roe, Wm. G., & Sons, Winter Haven, Fla. Fresh citrus fruits. Serial No. 608,951, Oct. 2. Class 46.

Ronick, Murray, New York, N. Y. Combination phonograph-slide projector. Serial No. 599,783, Oct. 2. Class 26.

Rosa Lee Candy Co.: *See*—
Jaffe Candy Co.

Rosnov and Rosnov, Philadelphia, Pa. Game. Serial No. 614,788, Oct. 2. Class 22.

Rossi, Al: *See*—
Rossi, Albert.

Rossi, Albert, doing business as Al Rossi, Gilroy, Calif. Fresh vegetables. Serial No. 608,018, Oct. 2. Class 46.

Runyon, Cecil H., doing business as Dry-Ped Products Co., Portland, Oreg. Oil and grease products. Serial No. 589,395, Oct. 2. Class 6.

St. Regis Paper Company, New York, N. Y. Resinous plastic surfacing materials and laminated plastic surfacing materials. Serial No. 587,975, Oct. 2. Class 12.

Saluda Corporation, New York, N. Y. Men's under shorts. Serial No. 603,859, Oct. 2. Class 39.

Sandoz Chemical Works, Inc., New York, N. Y. House organ. Serial No. 607,722, Oct. 2. Class 38.

Scholdberg, Nils G. R., doing business as Bokförlaget The Polyglot Club Schöldberg & Gustafsson, Stockholm, Sweden. Books. Serial No. 574,928, Oct. 2. Class 38.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated foot powder. Serial No. 609,143, Oct. 2. Class 18.

Schrack, Leon C., doing business as Columbia Products Co., Columbus, Ohio. General purpose soapless detergent. Serial No. 598,608, Oct. 2. Class 52.

Scintilla Ltd., Soleure, Switzerland. Drafting machines. Serial No. 547,665, Oct. 2. Class 26.

Seamless Rubber Company, The, New Haven, Conn. Liquid or plastic compound or composition. Serial No. 605,373, Oct. 2. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Expandable metal racks for drying and creasing trousers, etc. Serial No. 581,380, Oct. 2. Class 24.

Seidlitz Paint & Varnish Co., Kansas City, Mo. Washable interior resin paste paints. Serial No. 536,153, Oct. 2. Class 16.

Signal Oil Company, Los Angeles, Calif. Periodical publications. Serial No. 607,356, Oct. 2. Class 38.

Silver Streak Manufacturing Co., The, Dyersville, Iowa. Renewable edges for plowshares. Serial No. 547,876, Oct. 2. Class 23.

Societe Anonyme André Citroën, Paris, France. Traction engines, internal-combustion engines, and structural parts thereof. Serial No. 569,017, Oct. 2. Class 23.

Sossner Tap and Tool Corporation, New York, N. Y. Threading taps. Serial No. 599,197, Oct. 2. Class 23.

Southeastern Mills, Inc., Rome, Ga. Self-rising wheat flour. Serial No. 560,363, Oct. 2. Class 46.

Speed Products Company, Inc., Long Island, City, N. Y. Staple extractors. Serial No. 573,800, Oct. 2. Class 23.

Stasio, Guy B., doing business under the firm name and style of Guy Millo Co., New York, N. Y. Mattresses. Serial No. 599,065, Oct. 2. Class 32.

Stewart-Warner Corporation, Chicago, Ill. Lubricator units. Serial No. 609,745, Oct. 2. Class 23.

Strausbaugh, W. O., Motor Company, Youngstown, Ohio. Servicing motor vehicles. Serial No. 529,107, Oct. 2. Class 103.

Stro-Kon Company, The, Whittier, Calif. Emulsified insecticide. Serial Nos. 606,635–6, Oct. 2. Class 6.

Sullivan, John D., doing business as Knee Chaps, Carlsbad, N. Mex. Decorative patch. Serial No. 607,874, Oct. 2. Class 40.

Sun Rubber Company, The, Barberton, Ohio. Layettes for dolls. Serial No. 602,227, Oct. 2. Class 22.

Super Mold Corporation of California, Lodi, Calif. Tire repair equipment. Serial No. 567,282, Oct. 2. Class 23.

Tarrant Manufacturing Company, Saratoga Springs, N. Y. Combined tanks and heating medium. Serial No. 606,063, Oct. 2. Class 34.

Technicolor Motion Picture Corporation, Los Angeles, and Hollywood, Calif. Publication. Serial No. 600,091, Oct. 2. Class 38.

Teich, Curt, & Company, Chicago, Ill. Metal display devices for postcards, etc. Serial No. 608,388, Oct. 2. Class 32.

Tension Envelope Corporation, Kansas City, Mo. Mailing envelopes. Serial No. 519,908, Oct. 2. Class 37.

Thiel Tool & Engineering Company, St. Louis, Mo. Staples. Serial No. 583,416, Oct. 2. Class 13.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial No. 609,506, Oct. 2. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial Nos. 609,508–9, Oct. 2. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing paper. Serial No. 609,511, Oct. 2. Class 37.

Tileston and Hollingsworth Company, Boston, Mass. Printing and writing paper. Serial No. 609,514, Oct. 2. Class 37.

Todd Company, Inc., The, Rochester, N. Y. Pocket check covers, commercial pass books, savings pass books, etc. Serial No. 606,343, Oct. 2. Class 37.

Todd Shipyards Corporation, New York, N. Y. Oil burners and air registers. Serial No. 599,048, Oct. 2. Class 34.

Trio Chemical Works, Inc., Brooklyn, N. Y. Floor polishing wax. Serial No. 592,852, Oct. 2. Class 4.

United Metal Box Co., Inc., Brooklyn, N. Y. Steel bath room cabinets. Serial No. 544,940, Oct. 2. Class 32.

United States Envelope Company, Springfield, Mass. Paper drinking cups. Serial No. 581,504, Oct. 2. Class 2.

United States Envelope Company, Springfield, Mass. Merchandise envelopes. Serial No. 581,505, Oct. 2. Class 2.

United States Steel Corporation, New York, N. Y. Railway switches, farm and garden tools. Serial No. 588,247, Oct. 2. Class 23.

Victaulic Company Limited, The, London, England. Tanks. Serial No. 601,762, Oct. 2. Class 2.

Western Cooperage, Inc., Portland, Oreg. Laminated wood boards and panels. Serial No. 612,191, Oct. 2. Class 12.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and loose paper. Serial No. 526,156, Oct. 2. Class 37.

Wheeling Corrugating Company, Wheeling, W. Va. Metal wash tubs. Serial No. 537,530, Oct. 2. Class 24.

Wilson Products, Inc., Reading, Pa. Plastic cover lenses for goggles and helmets. Serial No. 608,331, Oct. 2. Class 26.

Wolf Bros. & Co., Red Lion, Pa. Cigars. Serial No. 602,117, Oct. 2. Class 17.

Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. Serial No. 590,540, Oct. 2. Class 23.

Woodfair Manufacturing Company, Cincinnati, Ohio. General line of custom furniture. Serial No. 575,176, Oct. 2. Class 32.

World Editions, Inc., New York, N. Y. Periodical publications. Serial No. 586,899, Oct. 2. Class 38.

Young Radiator Company, Racine, Wis. Heat transfer units. Serial No. 598,405, Oct. 2. Class 34.

Ziff-Davis Publishing Company, Chicago, Ill. Magazine. Serial No. 604,878, Oct. 2. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Ernest J., doing business as Physicists Research Company, Ann Arbor, Mich. Electric indicating instrument. 549,080, Oct. 2; Serial No. 571,397. Class 26.

Acheson Colloids Corporation: *See*—
Acheson Oildag Company.

Acheson Oildag Company, to Acheson Colloids Corporation, Port Huron, Mich. Lubricants. 288,096, renewed Oct. 20, 1951. O. G. Oct. 2. Class 15.

Aconautcraft Corporation, Chicago, Ill. Flash units. 549,047, Oct. 2; Serial No. 605,247, published July 10, 1951. Class 26.

Adams Wax Products Mfg. Inc., St. Paul, Minn., to Hillyard Chemical Company, St. Joseph, Mo. Polishing preparation. 290,688, renewed Dec. 1, 1951. O. G. Oct. 2. Class 4.

Advertising Research Bureau, Inc., Seattle, Wash. Testing, analysis, and reporting of the effectiveness of newspaper and radio advertising, etc. 549,069, Oct. 2; Serial No. 599,209, published July 10, 1951. Class 100.

Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden. Bathing-tubs, fire-hydrants, door-closers, etc. 82,285, renewed June 20, 1951. O. G. Oct. 2. Class 13.

Aktiebolaget Grumme & Son: *See*—
Grumme & Son.

Aldens, Inc., Chicago, Ill. Boys' wearing apparel. 548,969, Oct. 2; Serial No. 588,194, published July 3, 1951. Class 39.

Allen Electric and Equipment Company, Kalamazoo, Mich. Apparatus for testing, analyzing, and synchronizing internal combustion engines, etc. 548,924, Oct. 2; Serial No. 567,841, published June 5, 1951. Class 26.

Allison, Crosby: *See*—
Jacob, Chas. W., & Allison.

Allison, Wm. M. & Co.: *See*—
Jacob, Chas. W. & Allison.

Aluminum Company of America, Pittsburgh, Pa. Aluminum sand mold and permanent mold castings, aluminum billets and ingots, etc. 284,996–7, renewed July 14, 1951. O. G. Oct. 2. Class 14.

Aluminum Company of America, Pittsburgh, Pa. Blank lithograph plates. 284,998–9, renewed July 14, 1951. O. G. Oct. 2. Class 14.

Aluminum Company of America, Pittsburgh, Pa. Aluminum cable, steel-reinforced aluminum cable and condenser blades. 285,250–1, renewed July 21, 1951. O. G. Oct. 2. Class 21.

Aluminum Company of America, Pittsburgh, Pa. Collapsible tubes. 285,365–6, renewed July 28, 1951. O. G. Oct. 2. Class 2.

Aluminum Company of America, Pittsburgh, Pa. Welding flux. 285,778–9, renewed Aug. 4, 1951. O. G. Oct. 2. Class 6.

Ambrosia Chocolate Company, Milwaukee, Wis. Chocolate coatings, chocolate candy, hot chocolate powder, etc. 284,545, renewed July 7, 1951. O. G. Oct. 2. Class 46.

Ambrosia Chocolate Company, Milwaukee, Wis. Candy; chocolate, cocoa, and chocolate coatings, etc. 284,985, renewed July 14, 1951. O. G. Oct. 2. Class 46.

American Brass Company, The: *See*—
Anaconda Wire & Cable Company.

American Chain & Cable Company, Inc.: *See*—
Owen Silent Spring Company, Inc.

American Meter Company, New York, N. Y. Gas meters and parts thereof, calorimeters, orifice and other rate of flow meters. 548,902, Oct. 2; Serial No. 533,829, published Apr. 26, 1949. Class 26.

American Meter Company, New York, N. Y. Gas meters and parts thereof, calorimeters, orifice and other rate of flow meters. 548,903, Oct. 2; Serial No. 541,490, published Apr. 3, 1951. Class 26.

American Steel and Wire Company of New Jersey, The: *See*—
American Steel & Wire Company of New Jersey, The.

American Steel & Wire Company of New Jersey, The, Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Barb-wire. 84,302, re-renewed Nov. 28, 1951. O. G. Oct. 2. Class 13.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Wire rope and particularly galvanized wire rope. 286,969, renewed Sept. 8, 1951. O. G. Oct. 2. Class 7.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J., to The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Insulated wire and cables. 287,244, renewed Sept. 15, 1951. O. G. Oct. 2. Class 21.

American Twine & Fabric Corporation, Portsmouth, N. H. Woven paper fibre fabric. 549,021, Oct. 2; Serial No. 601,972, published July 10, 1951. Class 42.

Ames, Harris, Neville Co., San Francisco, Calif. Bags. 288,591, renewed Nov. 3, 1951. O. G. Oct. 2. Class 2.

Anaconda Wire & Cable Company, New York, N. Y., to The American Brass Company, Waterbury, Conn. Copper alloy wire and unfinished copper alloy rods and sheets. 286,740, renewed Sept. 1, 1951. O. G. Oct. 2. Class 14.

Anderson-Prichard Oil Corporation, Oklahoma City, Okla. Deodorized naphtha. 548,901, Oct. 2; Serial No. 532,544, published June 26, 1951. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Foundation creams. 548,944, Oct. 2; Serial No. 580,710, published June 12, 1951. Class 51.

Art Plastics Co.: *See*—
Conell, Ralph R.

Art Plastics Mfg. Co.: *See*—
Conell, Ralph R.

Attorney General of the United States, vested in the: *See*—
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.
Nordmark-Werke Aktiengesellschaft für angewandte Chemie.

Austin, Nichols & Co., Brooklyn, to Francis H. Leggett & Company, New York, N. Y. Canned fruits. 288,596, renewed Nov. 3, 1951. O. G. Oct. 2. Class 46.

Avildsen Tools & Machines, Inc.: *See*—
Celfor Tool Company.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 548,972, Oct. 2; Serial No. 590,483, published Aug. 29, 1950. Class 42.

Beaumont Company: *See*—
Grove Laboratories, Inc., The.

Beautycraft Plastic Tile Corporation, East Rutherford, N. J. Plastic tiles. 549,092, Oct. 2; Serial No. 588,931. Class 12.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. 549,099, Oct. 2; Serial No. 593,100. Class 2.

Benay Albee Novelty Co., Brooklyn, N. Y. Women's and children's felt hats and felt caps. 548,930, Oct. 2; Serial No. 573,754, published July 3, 1951. Class 39.

Berkshire Knitting Mills, Wyomissing, Pa. Women's full-fashioned hosiery. 548,980–2, Oct. 2; Serial Nos. 593,213–15, published July 10, 1951. Class 39.

Bernstein, Cohen & Co., Chicago, Ill. Children's dungarees. 549,045, Oct. 2; Serial No. 605,136, published July 3, 1951. Class 39.

Black Magic Products Co.: *See*—
Gordon, Abe.

Blake, Moffitt & Towne, San Francisco, Calif. Building paper. 548,920, Oct. 2; Serial No. 562,530, published June 12, 1951. Class 12.

Bosch & Co., Badalona, Spain. Anisette. 82,568, re-renewed July 11, 1951. O. G. Oct. 2. Class 49.

Bosch & Co., Badalona, Spain. Anisette. 83,318, re-renewed Sept. 5, 1951. O. G. Oct. 2. Class 49.

Brann, Donald R., doing business as Easi-Bild Pattern Company, Pleasantville, N. Y. Paper patterns and templates. 549,082, Oct. 2; Serial No. 576,106. Class 26.

Buffalo Kay Chemical Company, Inc., Buffalo, N. Y. Neutral cleaner. 549,085, Oct. 2; Serial No. 577,037. Class 52.

Bullard, E. D., Company, San Francisco, Calif. Safety headgear. 548,925, Oct. 2; Serial No. 567,946, published June 12, 1951. Class 39.

Bundy Tubing Company, Detroit, Mich. Metal tubing. 207,185, Dec. 22, 1925. Republished Oct. 2. Class 13.

Bundy Tubing Company, Detroit, Mich. Metal tubing, shaped tube lengths, etc. 289,329, Nov. 24, 1931. Republished Oct. 2. Class 13.

Bundy Tubing Company, Detroit, Mich. Metal tubing and shaped metal tube lengths. 428,642, Apr. 1, 1947. Republished Oct. 2. Class 13.

Burgess-Manning Company, Libertyville, Ill. Acoustically treated booths. 548,900, Oct. 2; Serial No. 527,800, published Aug. 31, 1948. Class 32.

Burke, Vicki, New York, N. Y. Covers, slips or sacks. 548,942, Oct. 2; Serial No. 579,800, published June 12, 1951. Class 2.

Burlington Mills Corporation: *See*—
May Hosiery Mills, Inc.

Burlington Mills Corporation, Greensboro, N. C. Men's, women's and children's hosiery. 549,001, Oct. 2; Serial No. 597,578, published July 10, 1951. Class 39.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. 549,028, Oct. 2; Serial No. 603,109, published July 10, 1951. Class 42.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany, vested in the Attorney General of the United States, Washington, D. C. Solvents, diluents, plasticizers, etc. 284,546, renewed July 7, 1951. O. G. Oct. 2. Class 46.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saws, band saws, carpenters hammers, and machinists' hammers. 548,961, Oct. 2; Serial No. 584,968, published June 26, 1951. Class 23.

Cary Products Company, Dallas, Tex. Mechanically-grooved phonograph records. 549,074, Oct. 2; Serial No. 546,758. Class 36.

Catawba Hosiery Mills, Inc., Catawba, N. C. Women's, boys', girls' and infants' hosiery. 549,016–17, Oct. 2; Serial Nos. 601,490–1, published July 10, 1951. Class 39.

Ceilcote Company, The: *See*—
Smith, William E.

Celfor Tool Company, to Avildsen Tools & Machines, Inc., Chicago, Ill. Drills, reamers, drill-sockets, etc. 82,206, re-renewed June 13, 1951. O. G. Oct. 2. Class 23.

Chambers, Bering, Quinlan Co., Decatur, Ill. Metal closures for drums. 549,089, Oct. 2; Serial No. 581,249. Class 13.

ChemTrol Industries, Inc., Philadelphia, Pa. Burettes, graduated test bottles and test tubes, etc. 548,906, Oct. 2; Serial No 543,272, published June 26, 1951. Class 26

Chen Yu, Inc., assignor to Richard Hudnut, New York, N. Y. Nail lacquer, liquid nail lacquer remover, nail lacquer thinner, etc. 548,946, Oct. 2; Serial No. 581,469, published June 26, 1951. Class 51.

Chi Phi Fraternity, The, Atlanta, Ga. Organizing of chapters. 549,068, Oct. 2; Serial No. 595,188, published July 3, 1951. Class 100.

Chipman Chemical Company, Inc.: *See*—
Chipman Chemical Engineering Company, Inc.

Chipman Chemical Engineering Company, Inc., Middlesex, to Chipman Chemical Company, Inc., Bound Brook, N. J. Chemical compositions. 288,627, renewed Nov. 3, 1951. O. G. Oct. 2, Class 6.

Chris-Kratt Instrument Co., Inc., Union, N. J. Ukeleles. 549,035, Oct. 2; Serial No. 606,413, published July 3, 1951. Class 36.

Clinton Metallic Paint Company, Clinton, N. Y. Mortar-coloring. 82,052, re-renewed May 30, 1951. O. G. Oct. 2. Class 6.

Clinton Metallic Paint Company, Clinton, N. Y. Iron-oxid paints. 82,304, re-renewed June 20, 1951. O. G. Oct. 2. Class 16.

Cohen, M. & B., Co., New York, N. Y. Men's and young men's suits, overcoats, topcoats, etc. 548,989, Oct. 2; Serial No. 595,189, published July 3, 1951. Class 39.

Columbia Mills, Inc., The, Syracuse, N. Y. Window shades. 548,991, Oct. 2; Serial No. 595,307, published July 3 1951. Class 32.

Comfort Spring Corporation, Baltimore, Md. Mattress springs. 548,912, Oct. 2; Serial No. 554,366, published June 26, 1951. Class 32.

Commercial Research Laboratories, Inc., Detroit, Mich. Air flow measuring apparatus, liquid flow measuring apparatus, etc. 548,975, Oct. 2; Serial No. 590,851, published June 5, 1951. Class 26.

Conell, Ralph R., doing business under the firm name and style of Art Plastics Co., as well as under the firm name and style of Art Plastics Mfg. Co., Los Angeles, Calif. Portfolios. 548,995, Oct. 2; Serial No. 596,079, published June 26, 1951. Class 3.

Coral Records, Inc., New York, N. Y. Mechanically grooved records. 548,927, Oct. 2; Serial No. 568,718, published July 17, 1951. Class 36.

Cornelius, Helen, New York, N. Y. Cosmetic cases. 548,997, Oct. 2; Serial No. 597,128, published June 26, 1951. Class 3.

Cornell Wood Products Company, Milwaukee, Wis. Cardboard cartons. 549,104, Oct. 2; Serial No. 597,325. Class 2.

Cramer Chemical Co., The: *See*—
Cramer Chemical Company, The.

Cramer Chemical Company, The, doing business as The Cramer Chemical Co., Gardner, Kans. Skin lotion. 549,084, Oct. 2; Serial No 576,958. Class 51.

Daggett & Ramsdell, Inc.: *See*—
Stanco Incorporated.

De Land, C. M., New York, N. Y. Woolen piece goods. 549,008, Oct. 2; Serial No. 599,228, published July 10, 1951. Class 42.

Denney, Frances, Philadelphia, Pa. Cosmetic sets. 540,091, Oct. 2; Serial No. 586,472. Class 51.

Dick, A. B., Company, Chicago, Ill. Mimeograph drawing boards and mimeograph lettering guides. 548,951, Oct. 2; Serial No. 582,216, published June 19, 1951. Class 26.

Dicks, C. B., Jr., Company, The: *See*—
Dicks, Charles B., Jr.

Dicks, Charles B., Jr., doing business under the name The C. B. Dicks Jr., Company, New Orleans, La. Shaving cream. 549,051, Oct. 2; Serial No. 605,806, published June 12, 1951. Class 51.

Donley Brothers Company, The, Cleveland, Ohio. Steel angles for buildings, ash dumps and trap doors, etc. 548,926, Oct. 2; Serial No. 568,592, published June 19, 1951. Class 12.

Dream Hosiery Mills, Inc., Baltimore, Md. Ladies' hosiery. 549,004, Oct. 2; Serial No. 598,295, published July 10, 1951. Class 39.

Duart Manufacturing Co., Ltd., San Francisco, Calif. Oil base hair tint remover. 549,081, Oct. 2; Serial No. 573,121. Class 51.

Dunhill, Mary, Inc., New York, N. Y. Empty glass perfume flacons. 548,897, Oct. 2; Serial No. 496,017, published Dec. 5, 1950. Class 2.

Durex Abrasives Corporation, Jersey City, N. J., to Durex Abrasives Corporation, New Rochelle, N. Y. Abrasives. 285,448, renewed July 28, 1951. O. G. Oct. 2. Class 4.

Eagle Tops Mfg. Co.: *See*—
Reyes, Thomas C.

Easi-Bild Pattern Company: *See*—
Brann, Donald R.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic cameras. 548,971, Oct. 2; Serial No. 589,895, published July 3, 1951. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Sensitized photographic film. 549,010, Oct. 2; Serial No. 600,472, published July 10, 1951. Class 26.

Elder & Johnston Company, The, Dayton, Ohio. Various articles of clothing. 548,913, Oct. 2; Serial No. 555,598, published May 8, 1951. Class 39.

Electric Tamper and Equipment Company: *See*—
Electric Tamper & Equipment Co.

Electric Tamper & Equipment Co., Chicago, Ill., to Electric Tamper and Equipment Company, Ludington, Mich. Tamping or vibrating machines. 289,079, renewed Nov. 17, 1951. O. G. Oct. 2. Class 23.

Electric Tamper & Equipment Co., Chicago, Ill., to Electric Tamper and Equipment Company, Ludington, Mich. Concrete forms, concrete pipes, concrete conduits, etc. 289,271, renewed Nov. 24, 1951. O. G. Oct. 2. Class 12.

Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

Elise of Hollywood: *See*—
Kirkpatrick, Ruth.

Ellis Sales Corporation, The, Fort Wayne, Ind. Grade incline measuring instrument. 548,941, Oct. 2; Serial No. 578,078, published June 5, 1951. Class 26.

Eweson, Karl F., doing business as The Halldon Co., New York, N. Y. Eye lotion. 549,046, Oct. 2; Serial No. 605,151, published June 12, 1951. Class 51.

FR Corporation, The, New York, N. Y. Kits for developing and printing photographs. 548,907, Oct. 2; Serial No. 546,490, published June 26, 1951. Class 26.

Fabish, Louise, New York, N. Y. Skin lotion. 549,095–6, Oct. 2; Serial Nos. 589,437–8. Class 51.

Falco Products Co., Philadelphia, Pa. Clothes dryers, clothes line props, clothes line poles, etc. 548,987, Oct. 2; Serial No. 594,635, published July 3, 1951. Class 24.

Falconer Plate Glass Corporation, Falconer, N. Y. Mirrors. 548,985, Oct. 2; Serial No. 593,912, published July 3, 1951. Class 32.

Fashion, The: *See*—
Wolfman, Ben, Inc.

Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 288,624, renewed Nov. 3, 1951. O. G. Oct. 2. Class 39.

Fashion Park Associates, Inc., to Fashion Park, Inc., Rochester, N. Y. Coats, vests, pants, etc. 289,235, renewed Nov. 24, 1951. O. G. Oct. 2. Class 39.

Fashion Park, Inc.: *See*—
Fashion Park Associates, Inc.

Fat Men's Shop, Inc., The, New York, N. Y. Men's wearing apparel. 548,968, Oct. 2; Serial No. 588,084, published June 12, 1951. Class 39.

FauceHot Heater Co.: *See*—
Gas and Electric Heater Co.

Fenwal Incorporated, Ashland, Mass. Temperature responsive switches. 549,026, Oct. 2; Serial No. 602,939, published June 19, 1951. Class 26.

Fenwal Incorporated, Ashland, Mass. Thermal responsive switches. 549,100, Oct. 2; Serial No. 602,936. Class 26.

Filler Insurance Agency: *See*—
Filler, Nadine.

Filler, Nadine, doing business as Filler Insurance Agency, Los Angeles, Calif. Insurance brokerage. 549,111, Oct. 2; Serial No. 554,222. Class 102.

Firmenich Incorporated: *See*—
Société Anonyme M. Naef & Cie.

Firth Sterling Steel & Carbide Corp.: *See*—
Firth-Sterling Steel Company.

Firth-Sterling Steel Company, McKeesport, to Firth Sterling Steel & Carbide Corp., Pittsburgh, Pa. High-speed cutting-steel. 84,223, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 14.

Formigli Corporation, The, Berlin, N. J. Roof slabs. 548,978, Oct. 2; Serial No. 592,990, published Feb. 13, 1951. Class 12.

Freedom-Valvoline Oil Company: *See*—
Galena Oil Corporation.

Fuller, O. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. 549,031, Oct. 2; Serial No. 603,446, published July 10, 1951. Class 42.

Galena Oil Corporation, Franklin, to Freedom-Valvoline Oil Company, Freedom, Pa. Lubricating oils and lubricating greases. 288,144, renewed Oct. 20, 1951. O. G. Oct. 2. Class 15.

Gamma Phi Beta, by Grand Council of Gamma Phi Beta, Chicago, Ill. Jewelry. 299,989, Jan. 3, 1933. Republished Oct. 2. Class 28.

Gas and Electric Heater Co., to FauceHot Heater Co., La Porte, Ind. Electric water supply heaters. 287,757, renewed Oct. 6, 1951. O. G. Oct. 2. Class 21.

Gaylord Shelton, Inc.: *See*—
Thermique, Incorporated.

Gazzoni, A. & C., Bologna, Italy. Lozenges for the treatment of coughs and colds. 549,079, Oct. 2; Serial No. 571,296. Class 18.

General Motors Corporation: *See*—
Meterice, Incorporated.

Gerry Nufoam Products Corp., New York, N. Y. Ironing board pad. 549,003, Oct. 2; Serial No. 598,078, published July 3, 1951. Class 24.

Glanninl, G. M., & Co., Inc., Springfield, N. J. Heat sensitive recording paper. 548,967, Oct. 2; Serial No. 587,317, published June 5, 1951. Class 26.

Gill, James G., Company, The, Norfolk, Va. Coffee and tea and coffee compounds. 289,018, renewed Nov. 17, 1951. O. G. Oct. 2. Class 46.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Pneumatic and cushion tires. 288,121, renewed Oct. 20, 1951. O. G. Oct. 2. Class 35.

Gordon, Abe, doing business as Black-Magic Products Company, assignor to Black Magic Products Co., to Black Magic Products Co., Detroit, Mich. Automobile radiator seal and cleaner, radiator cleaner and scale preventative. 284,987, renewed July 14, 1951. O. G. Oct. 2. Class 52.

Gordon, J. M., Laboratories: *See*—
Gordon, Joseph M.

Gordon, Joseph M., doing business under the name and style of J. M. Gordon Laboratories, New York and Ossining, N. Y. Goods: Plastic television filter. 548,979, Oct. 2; Serial No. 593,069, published June 5, 1951. Class 26.

Gough Brokerage Co.: *See*—
Gough, Frank C.

Gough, Frank C., doing business as Gough Brokerage Co., New Orleans, La. Canned shrimp. 549,073, Oct. 2; Serial No. 545,738. Class 46.

Grove Laboratories, Inc., The: *See*—
Paris Medicine Company, The.

Grove Laboratories, Inc., The, St. Louis, Mo. Tablets for the relief of colds, headache and nueralgia. 400,071, Feb. 16, 1943. Republished Oct. 2. Class 18.

Grove Laboratories, Inc., The, doing business as Beaumont Company, St. Louis, Mo. Pile suppositories. 404,606, Dec. 7, 1943. Republished Oct. 2. Class 18.

Grove Laboratories, Inc. The, St. Louis, Mo. Vitamin capsules. 406,128, Mar. 14, 1944. Republished Oct. 2. Class 18.

Grumme & Son, to Aktiebolaget Grumme & Son, Stockholm, Sweden. Tooth-cream. 82,789, rerenewed July 25, 1951. O. G. Oct. 2. Class 51.

Gump, S. & G., Company, San Francisco, Calif., assignor to Gump's, Inc.. Reupholstering and designing of furniture to order. 549,060, Oct. 2; Serial No. 541,283, published July 17, 1951. Class 103.

Gump's, Inc., assignee: *See*—
Gump, S. & G., Company.

Haas, Emmett W., assignee: *See*—
Sanders, Clifford E.

Haas, Esther C., assignee: *See*—
Sanders, Clifford E.

Hall, E. C., Company, doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., and Augusta, Maine, to E. C. Hall Company, doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass. Tea, bread, coffee, etc. 288,305, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Hall Hartwell & Co., Troy, by The Shirtcraft Company, Inc., New York, N. Y. Dress, negligee and work shirts. 144,410, July 5, 1921. Republished Oct. 2. Class 39.

Hall, Robert, Clothes, Inc., Wilmington, Del., and New York, N. Y. Men's corduroy sport coats. 549,011, Oct. 2; Serial No. 600,586, published June 26, 1951. Class 39.

Halldén Co., The: *See*—
Bowson, Karl F.

Handmacher-Vogel, Inc.: *See*—
Levy Bros. & Adler Rochester, Inc.

Hardware Mutual Casualty Company, Stevens Point, Wis. Casualty and liability insurance. 549,063, Oct. 2; Serial No. 569,202, published July 10, 1951. Class 102.

Hays Corporation, The, Michigan City, Ind. Gas analyser. 548,921, Oct. 2; Serial No. 563,408, published June 5, 1951. Class 26.

Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 549,020, Oct. 2; Serial No. 601,906, published July 10, 1951. Class 42.

Heiland Research Corporation, Denver, Colo. Electrical instrument. 548,931, Oct. 2; Serial No. 573,880, published June 5, 1951. Class 26.

Hellige, Inc., Long Island City, N. Y. Microscope cover glasses and glass slides. 549,023, Oct. 2; Serial No. 602,452, published June 5, 1951. Class 26.

Helsberg's Diamond Shops, Inc., Kansas City, Mo. Bridal sets—namely, engagement rings, etc. 549,102, Oct. 2; Serial No. 596,344. Class 28.

Henry and Henry, Inc., Buffalo, N. Y. Marshmallow topping. 549,103, Oct. 2; Serial No. 596,845. Class 46.

Hercules Motors Corporation, Canton, Ohio. Internal combustion engines, power units, and accessories, etc. 288,814, renewed Nov. 3, 1951. O. G. Oct. 2. Class 23.

Hewlett-Packard Company, Palo Alto, Calif. Audio signal generators, square wave generators and audio oscillators. 548,993, Oct. 2; Serial No. 595,779, published July 10, 1951. Class 26.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Wallets, key cases, and pocket secretaries. 548,994, Oct. 2; Serial No. 596,957, published June 26, 1951. Class 3.

Hills Brothers Company, The, New York, N. Y. Dried dates. 288,737, renewed Nov. 3, 1951. O. G. Oct. 2. Class 46.

Hillyard Chemical Company: *See*—
Adams Wax Products Mfg. Inc.

Honorbilt Products, Inc., Philadelphia, Pa. Mattresses, sofas, divans, etc. 548,909, Oct. 2; Serial No. 550,696, published June 26, 1951. Class 32.

Hooker Glass & Paint Mfg. Co., Chicago, Ill. Mirrors. 548,928, Oct. 2; Serial No. 571,272, published July 3, 1951. Class 32.

Hudnut, Richard, assignee: *See*—
Chen Yu, Inc.

Ideal Novelty & Toy Co., New York, and Brooklyn, to Ideal Toy Corporation, Hollis, Long Island, N. Y. Dolls. 289,841, renewed Dec. 8, 1951. O. G. Oct. 2. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Identacode, Ltd., Santa Monica, Calif. Providing means for the identification of lost or stolen dogs, etc. 549,065, Oct. 2; Serial No. 575,470, published July 10, 1951. Class 100.

Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Artificial pearls. 549,107, Oct. 2; Serial No. 599,876. Class 28.

Imperial Optical Company Ltd., The, Toronto, Ontario, Canada. Ophthalmic lenses. 549,036, Oct. 2; Serial No. 603,721, published July 3, 1951. Class 26.

Independent Development Company, Houston, Tex. Apparatus for indicating and recording the history of well drilling operations, etc. 548,955, Oct. 2; Serial No. 583,801, published June 5, 1951. Class 26.

Industrial Asphalt Company: *See*—
McSwain, John F.

Innes, Chambers & Company Limited, Peebles, Scotland. Piece goods. 548,998, Oct. 2; Serial No. 597,276, published July 10, 1951. Class 42.

International Compositions Company, Incorporated, to International Paint Company, Inc., New York, N. Y. Varnishes, ready-mixed paints, and paint enamels. 284,167, renewed June 16, 1951. O. G. Oct. 2. Class 16.

International Paint Company, Inc.: *See*—
International Compositions Company, Incorporated.

International Register Company, Chicago, Ill. Electric switches. 548,984, Oct. 2; Serial No. 593,414, published June 5, 1951. Class 26.

International Shoe Company, St. Louis, Mo. Boots and shoes. 288,727, renewed Nov. 3, 1951. O. G. Oct. 2. Class 39.

International Silver Company, The, Meriden, Conn. Stainless steel flatware. 548,957, Oct. 2; Serial No. 584,400, published June 26, 1951. Class 23.

Ironees Company, The: *See*—
Lehrman, David.

Izsard, S. F., Company, Elmira, N. Y. Bath robes, bathing suits, etc. 548,956, Oct. 2; Serial No. 583,876, published July 3, 1951. Class 39.

Jacob, Chas. W., & Allison, to C. Allison, doing business as Wm. M. Allison & Co., New York, N. Y. Glycerin substitute. 83,917, re-renewed Oct. 24, 1951. O. G. Oct. 2. Class 6.

Jenkins, D. L., doing business as D. L. Jenkins Co., Charlotte, N. C. Oil to be applied externally. 549,083, Oct. 2; Serial No. 576,210. Class 18.

Jenkins, D. L., Co.: *See*—
Jenkins, D. L.

Jersey-Creme Co., Fort Worth, Tex., to The Julep Company, Sycamore, Ill. Non-alcoholic tonic beverage. 82,444, re-renewed June 27, 1951. O. G. Oct. 2. Class 45.

Johns-Manville Corporation, New York, N. Y. Drapery fabrics. 549,007, Oct. 2; Serial No. 598,481, published July 10, 1951. Class 42.

Julep Company, The: *See*—
Jersey-Creme Co.

Just-B-Tween Dress Manufacturing Co., Tyler, Tex. Dresses. 548,947, Oct. 2; Serial No. 581,530, published July 10, 1951. Class 39.

Kamiss, Charles B., doing business under the trade name of Kamiss Manufacturing Company, Whitestone, N. Y. Photographic and X-ray film processing clamp. 548,934, Oct. 2; Serial No. 574,778, published July 3, 1951. Class 26.

Kamiss Manufacturing Company: *See*—
Kamiss, Charles B.

Kanner, Joseph, Hat Co., Inc., South Norwalk, Conn. Men's hats. 548,952, Oct. 2; Serial No. 582,637, published June 12, 1951. Class 39.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. 549,049, Oct. 2; Serial No. 605,798, published June 12, 1951. Class 26.

Key City Packing Company, Port Townsend, to Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 82,803, re-renewed July 25, 1951. O. G. Oct. 2. Class 46.

Keys, Sarah E., doing business as M & M Products, Pasadena, Calif. Medicinal mineral salts. 549,108, Oct. 2; Serial No. 602,900. Class 18.

King, J. E., Manufacturing Co., Springfield, Mo. Bedroom furniture, living room furniture, and breakfast room furniture. 549,029–30, Oct. 2; Serial No. 603,159–60, published June 26, 1951. Class 32.

Kirby, Block & Fischer, Inc., New York, N. Y. Men's, women's, and children's clothing. 286,849, renewed Sept. 8, 1951. O. G. Oct. 2. Class 39.

Kirkpatrick, Ruth, doing business as Elise of Hollywood, Los Angeles, Calif. Pads impregnated with oil for use in treating fingernails. 548,953, Oct. 2; Serial No. 582,791, published July 25, 1950. Class 51.

Kress, S. H., and Company, New York, N. Y. Window shades. 548,954, Oct. 2; Serial No. 583,099, published July 3, 1951. Class 32.

Kroger Co., The, Cincinnati, Ohio. Check-out counters. 549,039, Oct. 2; Serial No. 604,099, published July 3, 1951. Class 32.

L and K Laboratories, St. Paul, Minn. Liquid emulsion or lotion, neutralizer, and a cream developer. 548,962, Oct. 2; Serial No. 585,238, published June 26, 1951. Class 51.

La France Industries, New York, N. Y. Cut pile fabrics, loop pile fabrics, tapestries, etc. 548,918, Oct. 2; Serial No. 560,901, published July 10, 1951. Class 42.

Leach Company, Oshkosh, Wis. Shovels. 289,575, renewed Dec. 1, 1951. O. G. Oct. 2. Class 23.

Leach, Honald W., Pueblo, Colo. Bound folders for holding insurance policies. 549,100, Oct. 2; Serial No. 593,228. Class 37.

Leatherplast, Inc., Newark, N. J. Men's garment belts. 549,077, Oct. 2; Serial No. 559,030. Class 39.

Leggett, Francis H., & Company: *See*—
Austin, Nichols & Co.

Leggett, Francis H., & Company, New York, N. Y. Mint confections. 288,292, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Lehrman, David, trading as The Ironees Company, Philadelphia, Pa. Ironing board pads and covers. 549,057, Oct. 2; Serial No. 609,687, published July 17, 1951. Class 24.

Levy Bros. & Adler Rochester, Inc., Rochester, assignor to Handmacher-Vogel, Inc., New York, N. Y. Women's coats. 548,937, Oct. 2; Serial No. 576,834, published Apr. 18, 1950. Class 39.

Lidgerwood Manufacturing Company, New York, N. Y. Hoisting, digging, and conveying machinery. 282,261, Apr. 14, 1931. Republished Oct. 2. Class 23.

Loesihy, Lestech, Hoboken, to A. Lusich, Union City, N. J. Remedy for nervousness and rheumatic troubles. 81,343, re-renewed Mar. 28, 1951. O. G. Oct. 2. Class 18.

Lowe, Joe, Co. Inc., Brooklyn, to Joe Lowe Corporation, New York, N. Y. Dehydrated whole eggs, dehydrated egg yolk, and dehydrated egg albumen. 288,196, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Lowe, Joe, Corporation: *See*—
Lowe, Joe, Co. Inc.
Popsicle Corporation of the United States, The.

Lummis & Company, Philadelphia, Pa. Peanut butter. 548,949, Oct. 2; Serial No. 581,672, published May 29, 1951. Class 46.

Lusich, Adam: *See*—
Loesihy, Lestech.

Lyndonville Canning Company, Inc., The, Lyndonville, N. Y. Canned apple sauce. 286,535, renewed Sept. 1, 1951. O. G. Oct. 2. Class 46.

M & M Products: *See*—
Keys, Sarah E.

Manhattan Paste & Glue Co., Inc., Brooklyn, N. Y. Adhesives, pastes, glues, gums. 284,382, June 23, 1931. Republished Oct. 2. Class 5.

Marcelle Cosmetics, Inc., Chicago, Ill. Face powder, dusting powder, talcum powder, etc. 549,015, Oct. 2; Serial No. 601,057, published June 12, 1951. Class 51.

Marrow Manufacturing Co., assignor to Marrow Mfg. Corp., New York, N. Y. Artificial flowers. 549,000, Oct. 2; Serial No. 597,407, published July 10, 1951. Class 40.

Marrow Mfg. Corp., assignee: *See*—
Marrow Manufacturing Co.

Matusow Manufacturing Company, The, Philadelphia, Pa. Junior, boys' and young men's suits, trousers, knickers, etc. 548,966, Oct. 2; Serial No. 587,149, published June 26, 1951. Class 39.

Maximilian Furs, Inc., New York, N. Y. Perfumes, colognes, and toilet waters. 548,963, Oct. 2; Serial No. 585,384, published June 26, 1951. Class 51.

May Hosiery Mills, Inc., Burlington, N. C., to Burlington Mills Corporation, Greensboro, N. C. Hosiery. 289,158, renewed Nov. 17, 1951. O. G. Oct. 2. Class 39.

McColpin-Christie Corporation, Ltd., Los Angeles, Calif. Battery testing instruments. 548,986, Oct. 2; Serial No. 594,054, published May 29, 1951. Class 26.

McCormick & Company, Incorporated: *See*—
Schilling, A., & Co.

McKenna, Jay G., Inc., Elkhart, Ind. Sliding door locks. 549,059, Oct. 2; Serial No. 610,792, published July 17, 1951. Class 25.

McSwain, John F., doing business under the name of Industrial Asphalt Company, Berkeley, Calif. Asphaltic sealing compound. 549,090, Oct. 2; Serial No. 583,439. Class 12.

Mendel, H., & Co., Inc., Atlanta, Ga. Work clothes. 549,022, Oct. 2; Serial No. 602,272, published July 3, 1951. Class 39.

Mente & Co., Inc., New Orleans, La. Textile bagging material. 287,015, renewed Sept. 8, 1951. O. G. Oct. 2. Class 42.

Mergenthaler Linotype Company, Brooklyn, N. Y. Matrix storage magazines, etc. 289,257, renewed Nov. 24, 1951. O. G. Oct. 2. Class 23.

Metalcraft Manufacturing Corporation, Memphis, Tenn. Insulated portable chests and boxes for ice. 548,992, Oct. 2; Serial No. 595,640, published July 3, 1951. Class 31.

Meterice, Incorporated, Los Angeles, Calif., to General Motors Corporation, Detroit, Mich., and Dayton, Ohio. Automatic coin controlled time registering electric switches. 286,038, renewed Aug. 11, 1951. O. G. Oct. 2. Class 26.

Mexico Refractories Company, Mexico, Mo. Plastic refractory concrete. 548,904, Oct. 2; Serial No. 541,947, published June 12, 1951. Class 12.

Meyers, Maxwell, Inc., San Antonio, Tex. Musical instruments. 548,910, Oct. 2; Serial No. 552,473, published July 17, 1951. Class 36.

Minick, Glenn C., doing business under the name Sunbeam Products, St. Petersburg, Fla. Towels. 549,056, Oct. 2; Serial No. 607,439, published July 10, 1951. Class 42.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Adhesive cements. 406,082, Mar. 7, 1944. Republished Oct. 2. Class 5.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Liquid pavement-marking composition. 443,939, Apr. 25, 1950. Republished Oct. 2. Class 16.

Minnesota and Ontario Paper Company, Minneapolis, Minn. Insulating batts, granular insulation, and fibrous insulation. 548,929, Oct. 2; Serial No. 571,341, published June 12, 1951. Class 12.

Mission Manufacturing Company, Houston, Tex. General purpose and heavy duty industrial pumps, pump housings, etc. 548,916, Oct. 2; Serial No. 559,040, published June 19, 1951. Class 23.

Mixermobile Manufacturers, Portland, Oreg. Automotive material handling apparatus. 548,919, Oct. 2; Serial No. 561,325, published June 19, 1951. Class 23.

Montana Flour Mills Company: *See*—
Montana Flour Mills Co.

Montana Flour Mills Co., Harlowton, to Montana Flour Mills Company, Great Falls, Mont. Wheat-flour. 83,505, re-renewed Sept. 19, 1951. O. G. Oct. 2. Class 46.

National Musical String Co., New Brunswick, N. J. Strings for banjos, guitars, harps, etc. 548,999, Oct. 2; Serial No. 597,285, published Apr. 17, 1951. Class 36.

National Sugar Refining Company, The: *See*—
National Sugar Refining Company of New Jersey, The.

National Sugar Refining Company of New Jersey, The, Jersey City, N. J., and New York, N. Y., to The National Sugar Refining Company, New York, N. Y. Sugar. 287,003, renewed Sept. 8, 1951. O. G. Oct. 2. Class 46.

Nation-Wide Service Grocers and Nation-Wide Stores Co.: *See*—
Hall, E. C., Company.

Natural Colors, Inc., Pompton Lakes, N. J. Photographic and optical lenses. 549,012, Oct. 2; Serial No. 600,844, published July 3, 1951. Class 26.

Naugatuck Chemical Company, The, to United States Rubber Company, New York, N. Y. Condensation product of formaldehyde and ethylamine. 285,004, renewed July 14, 1951. O. G. Oct. 2. Class 1.

Nettie Creek Industries, Inc., Hagerstown, Ind. Pillows. 549,034, Oct. 2; Serial No. 603,609, published June 26, 1951. Class 32.

New Holland Machine Company, doing business as New Holland Metals Company, New Holland and Mountville, Pa. Telescopically adjustable metallic props for supporting clothes lines. 548,936, Oct. 2; Serial No. 576,467, published July 10, 1951. Class 24.

New Holland Metals Company: *See*—
New Holland Machine Company.

New York Factors, Inc., New York, N. Y. General factorage services. 549,064, Oct. 2; Serial No. 574,156, published June 19, 1951. Class 102.

Norcross, Sterling E., Bloomfield, N. J. Advertising service. 549,062, Oct. 2; Serial No. 569,092, published July 10, 1951. Class 101.

Nordmark-Werke Aktiengesellschaft für angewandte Chemie, Hamburg, Germany, vested in the Attorney General of the United States, Washington, D. C. Pharmaceutical preparation. 284,560, renewed July 7, 1951. O. G. Oct. 2. Class 18.

Nugent, Wm. W., & Co., Inc., Chicago, Ill. Mechanical oilers. 548,950, Oct. 2; Serial No. 581,678, published June 19, 1951. Class 23.

Nye-Wall Company, Inc., Auburn, N. Y. Textile rugs and carpets. 549,033, Oct. 2; Serial No. 603,595, published July 10, 1951. Class 42.

Oak Rubber Company, The, Ravenna, Ohio. Toy rubber balloons. 289,853, renewed Dec. 8, 1951. O. G. Oct. 2. Class 22.

Ohio Boxboard Company, The, Rittman, Ohio. Containers. 549,094, Oct. 2; Serial No. 589,109. Class 2.

Ohio Leather Company, The, Girard, Ohio. Leather. 289,327, renewed Nov. 24, 1951. O. G. Oct. 2. Class 1.

Ohio Thermometer Co., Inc., The, Springfield, Ohio. Cooking thermometers. 548,935, Oct. 2; Serial No. 574,857, published July 3, 1951. Class 26.

Oneida Community, Limited, Oneida, to Oneida Ltd., Oneida and Sherrill, N. Y. Silver flatware and hollowware. 286,573, renewed Sept. 1, 1951. O. G. Oct. 2. Class 28.

Oneida Ltd.: *See*—
Oneida Community, Limited.

Orchard Products Company, Chicago, Ill. Food flavoring syrups, fruit preserves, jams, etc. 288,968, renewed Nov. 10, 1951. O. G. Oct. 2. Class 46.

Organon Inc.: *See*—
Roche-Organon, Inc.

Osborn, Nellie: *See*—
Peanut Journal Publishing Co.

Otsego Log Cabin Company, The, Gaylord, Mich. Prefabricated building structures. 548,970, Oct. 2; Serial No. 588,591, published June 12, 1951. Class 12.

Owen Silent Spring Company, Inc., Bridgeport, Conn., assignor to American Chain & Cable Company, Inc. Metallic coil springs and assemblies thereof. 548,940, Oct. 2; Serial No. 577,809, published July 3, 1951. Class 32.

Owens-Corning Fiberglas Corporation, Toledo, Ohio. Fabrics. 549,024, Oct. 2; Serial No. 602,565, published July 10, 1951. Class 42.

Pacific American Fisheries, Inc.: *See*—
Key City Packing Company.

Paris Medicine Company, The, Wilmington, Del., and St. Louis, Mo., by The Grove Laboratories, Inc., St. Louis, Mo. Medicinal tablet. 306,324, Sept. 12, 1933. Republished Oct. 2. Class 18.

Patch, E. L., Company, The, Stoneham, Mass. Laxative tablets. 549,002, Oct. 2; Serial No. 598,033, published June 19, 1951. Class 18.

Peanut Journal Publishing Co., by N. Osborn, Suffolk, Va. Periodical. 284,840, July 7, 1931. Republished Oct. 2. Class 38.

Peck, Harry, & Company, Limited, London, England. Fish paste. 286,373, renewed Aug. 25, 1951. O. G. Oct. 2. Class 46.

Peerless Rubber Manufacturing Company, New Durham, N. J. and New York, N. Y., to United States Rubber Company, New York, N. Y. Packing composed of fibrous material and fibrous material combined with metal. 82,906, re-renewed Aug. 1, 1951. O. G. Oct. 2. Class 35.

Peteb Corporation, The, Lowell, Mass., to Whitehall Pharmacal Company, New York, N. Y. Cleansing cream, face cream, and cold cream. 285,922, renewed Aug. 11, 1951. O. G. Oct. 2. Class 51.

Photochart, Hollywood, Calif. Cameras. 548,933, Oct. 2; Serial No. 574,727, published July 10, 1951. Class 26.

Physicists Research Company: *See*—
Abbott, Ernest J.

Picot Laboratories, Inc., Mount Vernon, N. Y. Laxative preparations. 549,076, Oct. 2; Serial No. 557,209. Class 18.

Pittsburgh Plate Glass Company: *See*—
Specialty Manufacturing Company, The.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Painters' brushes. 284,627, July 7, 1931. Republished Oct. 2. Class 29.

Pleitner, H. W., Charcoal Company, St. Louis, Mo. Chemical composition, with alcohol base. 549,087, Oct. 2; Serial No. 578,941. Class 6.

Pogue, E. & S., Company, The, Cincinnati, Ohio. Clothing. 444,577, Oct. 2; Serial No. 523,584, published June 19, 1951. Class 39.

Pokorny, M., & Sons, Ltd., New Orleans, La. Moisture-absorbing and deodorising composition. 549,098, Oct. 2; Serial No. 592,098. Class 51.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Non-alcoholic, maltless syrups. 288,393, renewed Oct. 28, 1951. O. G. Oct. 2. Class 46.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Frozen confections. 288,507, renewed Oct. 27, 1951. O. G. Oct. 2. Class 46.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Wrappers and bags. 288,575, renewed Nov. 3, 1951. O. G. Oct. 2. Class 2.

Pratt, Read & Company, Incorporated, Ivoryton, Conn. Piano actions, piano keys, and piano plates. 548,915, Oct. 2; Serial No. 558,509, published July 17, 1951. Class 36.

Precious Metals Specialties Company, Inc., Newark, N. J. Wedding rings. 549,110, Oct. 2; Serial No. 608,624. Class 28.

Precision Electrotype Company, San Francisco, Calif. Rubber and brass stamps and brands. 285,231, renewed July 21, 1951. O. G. Oct. 2. Class 23.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 548,899, Oct. 2; Serial No. 527,719, published May 1, 1951. Class 52.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 549,072, Oct. 2; Serial No. 539,439. Class 52.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 549,075, Oct. 2; Serial No. 554,598. Class 52.

Puretex Lemon Juice, Inc., Raymondville, Tex. Bottled lemon juice and bottled lime juice. 549,097, Oct. 2; Serial No. 589,616. Class 46.

Putman, Robert, Candy Company, The, to Putman's, Cincinnati, Ohio. Candies, mayonnaise, ice cream, etc. 286,860, renewed Sept. 8, 1951. O. G. Oct. 2. Class 46.

Putman's: *See*—
Putman, Robert, Candy Company, The.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 289,314, renewed Nov. 24, 1951. O. G. Oct. 2. Class 46.

Quality Chemists, Inc., St. Louis, Mo. Hair lotions. 549,018, Oct. 2; Serial No. 601,511, published June 12, 1951. Class 51.

Quintard Fabrics, Inc., New York, N. Y. Velveteen fabrics. 549,019, Oct. 2; Serial No. 601,566, published July 10, 1951. Class 42.

Redlich Manufacturing Company, The, Pittsburgh, Pa. Bars, counters, bar and counter tops, etc. 548,943, Oct. 2; Serial No. 580,514, published July 3, 1951. Class 32.

Rexall Drug Company: *See*—
United Drug Company.

Reyes, Thomas C., doing business as Eagle Tops Mfg. Co., Compton, Calif. Tops. 549,032, Oct. 2; Serial No. 603,460, published July 17, 1951. Class 22.

Reynolds-Penland Company, Dallas, Tex. Men's sport and dress shirts. 549,037, Oct. 2; Serial No. 603,814, published June 19, 1951. Class 39.

Roche-Organon, Inc., Nutley, by Organon Inc., Orange, N. J. Medical preparation. 365,441, Mar. 7, 1939. Republished Oct. 2. Class 18.

Rockville Fabrics Corp., New York, N. Y. Fabrics in the piece. 549,025, Oct. 2; Serial No. 602,717, published July 10, 1951. Class 42.

Roller Derby Associates, Chicago, Ill. Wallets, purses, pocket books, etc. 549,014, Oct. 2; Serial No. 600,976, published June 26, 1951. Class 3.

Ronell, Eva, New York, N. Y. Dress forms. 549,106, Oct. 2; Serial No. 599,263. Class 50.

Rosebud Housewear Corp., The, New York, N. Y. Women's and misses' cotton dresses. 548,932, Oct. 2; Serial No. 573,896, published May 30, 1950. Class 39.

Ruepp & Co. Ltd., Sarmenstorf, Switzerland. Knitted articles. 444,574, Oct. 2; Serial No. 521,826, published June 12, 1951. Class 39.

Sabor, Russell, Minneapolis, Minn. Electrical time controlled release actuator. 549,009, Oct. 2; Serial No. 600,193, published July 3, 1951. Class 26.

Sahlein, J. M., Music Company: *See*—
Sahlein, Jules M.

Sahlein, Jules M., doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif. Ukeleles, banjo ukeleles, tenor guitars, etc. 548,977, Oct. 2; Serial No. 591,956, published July 17, 1951. Class 36.

Sanford Ink Company: *See*—
Sanford Manufacturing Co.

Sanford Manufacturing Co., Chicago, to Sanford Ink Company, Bellwood, Ill. Glue, arabic, paste, etc. 82,832, re-renewed July 25, 1951. O. G. Oct. 2. Class 5.

Sangamo Electric Company, Springfield, Ill. Switches having a thermal element. 549,027, Oct. 2; Serial No. 602,975, published June 5, 1951. Class 26.

Sargent-Roundy Corporation, The, Randolph, Vt. Refrigeration apparatus. 548,976, Oct. 2; Serial No. 591,380, published May 29, 1951. Class 31.

Sasieni Ltd.: *See*—
Sasieni London Ltd.

Sasieni London Ltd., New York, N. Y., by Sasieni Ltd., London, England. Smokers' pipes. 276,417, Oct. 21, 1930. Republished Oct. 2. Class 8.

Schilling, A., & Co., San Francisco, Calif., to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif. Food flavoring extracts. 288,287, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Schilling, A., & Co., San Francisco, Calif., to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif. Tea and coffee. 288,290, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Schilling, A., & Co., San Francisco, Calif., to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif. Spices. 288,291, renewed Oct. 20, 1951. O. G. Oct. 2. Class 46.

Schilling, A., & Co., San Francisco, Calif., to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif. Baking powder and cream of tarter. 289,062, renewed Nov. 17, 1951. O. G. Oct. 2. Class 46.

Schols, Frank, X-Ray Engineering Service, Inc., Boston, Mass. X-ray accessories. 549,058, Oct. 2; Serial No. 610,343, published June 19, 1951. Class 26.

Schwartz Manufacturing Company, Two Rivers, Wis. Milk filter discs. 549,054, Oct. 2; Serial No. 606,394, published July 10, 1951. Class 31.

Sears, Roebuck and Co., Chicago, Ill. Adjustable clock timer for cooking stoves. 548,917, Oct. 2; Serial No. 559,333, published Mar. 7, 1950. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Time operated electric switches. 548,945, Oct. 2; Serial No. 581,092, published July 10, 1951. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Automobile door locks, locking gas tank caps. 548,964, Oct. 3; Serial No. 586,318, published July 10, 1951. Class 25.

SERVall Products, Inc., Los Angeles, Calif. Artist's palette. 549,035, Oct. 2; Serial No. 603,650, published June 26, 1951. Class 23.

Sessions Clock Company, The, Forestville, Conn. Clocks, clock movements, and parts thereof. 549,101, Oct. 2; Serial No. 593,749. Class 27.

Shawinigan Products Corporation, New York, N. Y. Calcium carbide. 200,921, July 14, 1925. Republished Oct. 2. Class 6.

Sherman, R. I., Mfg. Co., The, Boston, to R. I. Sherman, Medford, Mass. Canned or bottled goods. 36,337, re-renewed Apr. 30, 1951. O. G. Oct. 2. Class 46.

Sherman, Roger I.: *See*—
Sherman, R. I., Mfg. Co., The.

Shirtcraft Company, Inc., The: *See*—
Hall Hartwell & Co.

Simmons & Simmons, Providence, R. I. Liquid furniture polish. 549,071, Oct. 2; Serial No. 527,194. Class 4.

Sleep Well Mattress Co., Chicago, Ill. Mattresses. 150,572, Jan. 3, 1922. Republished Oct. 2. Class 32.

Smayda, Eugene J., Jr., doing business as The Smaydoll Company, Cleveland, Ohio. Portable bakery cabinets. 548,958, Oct. 2; Serial No. 584,422, published June 26, 1951. Class 32.

Smaydoll Company, The: *See*—
Smayda, Eugene J., Jr.

Smith, William E., doing business as The Cellcote Company, Cleveland, Ohio. Corrosionproof and abrasion resistant surfacing material. 548,990, Oct. 2; Serial No. 595,286, published June 19, 1951. Class 12.

Societe Anonyme: Les Freres Lissac, Paris, France. Spectacles. 549,052, Oct. 2; Serial No. 605,922, published June 12, 1951. Class 26.

Société Anonyme M. Naef & Cie., Geneva, Switzerland, to Firmenich Incorporated, New York, N. Y. Artificial and synthetical perfumes, essential oils. 284,585, renewed July 7, 1951. O. G. Oct. 2. Class 51.

Souders, Clifford E., assignor to himself, and E. W., and E. C. Haas, Rockford, Ill. Duplicators. 444,576, Oct. 2; Serial No. 523,486, published June 19, 1951. Class 23.

Southwest Cracker Company, The, Wichita, Kans. Crackers. 548,905, Oct. 2; Serial No. 542,674, published Mar. 20, 1951. Class 46.

Specialty Manufacturing Company, The, Cleveland, Ohio, assignor to The Pittsburgh Plate Glass Company, by Pittsburgh Plate Glass Company, Pittsburgh, Pa. Wire, tampico and bristle brushes. 284,275, June 23, 1931. Republished Oct. 2. Class 29.

Spick Products Co., Athens, N. Y. Proportioning apparatus. 548,960, Oct. 2; Serial No. 584,643, published June 19, 1951. Class 26.

Spire Records Company, Inc., Chicago, Ill. Mechanically grooved phonograph records. 548,914, Oct. 2; Serial No. 558,175, published July 10, 1951. Class 36.

Spojené Továrny na Obrábecí Stroje, Národní Podnik, also doing business under the name United Machine Tool Factories, National Corporation, Prague, Czechoslovakia. Machine tools and shop tools, etc. 548,911, Oct. 2; Serial No. 554,266, published June 19, 1951. Class 23.

Sport-Craft, Inc., New York, N. Y. Ladies' and misses' dresses, dress ensembles, blouses, etc. 548,959, Oct. 2; Serial No. 584,551, published July 10, 1951. Class 39.

Square Grip Reinforcement Company (London) Limited, The, London, England. Concrete reinforcing bars. 549,086, Oct. 2; Serial No. 578,171. Class 12.

Stahl, Philip F. B., Chicago, Ill. Utility cabinets designed for use by artists and draftsmen. 548,996, Oct. 2; Serial No. 596,955, published July 3, 1951. Class 26.

Stanco Incorporated, Wilmington, Del. and New York, N. Y., to Daggett & Ramsdell, Inc., Newark, N. J. Insect-repellent cream. 283,534, renewed June 2, 1951. O. G. Oct. 2. Class 6.

Standard Laundry Company, Jersey City, N. J. Cleaning of pillows, mattresses, furs, etc. 549,070, Oct. 2; Serial No. 599,275, published July 10, 1951. Class 103.

Standard Pipeprotection Inc., St. Louis, Mo. Treating metal pipe for protecting it against rust and corrosion. 549,067, Oct. 2; Serial No. 594,862, published July 10, 1951. Class 106.

Standard Science Supply Company, Chicago, Ill. Laboratory scales and balances, composition of forces tables and apparatus, etc. 548,983, Oct. 2; Serial No. 593,320, published June 5, 1951. Class 26.

Steinberg, Charles A., Inc., New York, N. Y. Men's, young men's, and student's suits, overcoats, topcoats, etc. 548,908, Oct. 2; Serial No. 547,371, published July 10, 1951. Class 39.

Stuckey, Verle E.: *See*—
Trommer Company, The.

Sturgis-Grant Productions, Inc., New York, N. Y. Motion picture films. 549,053, Oct. 2; Serial No. 605,976, published June 12, 1951. Class 26.

Sun Oil Company, Philadelphia, Pa. Lubricating oils and greases and waxes. 548,922, Oct. 2; Serial No. 565,737, published June 26, 1951. Class 15.

Sunbeam Products: *See*—
Minick, Glenn C.

Superior Table Novelties Corporation, Brooklyn, N. Y. End tables, folding chairs, tables. 548,923, Oct. 2; Serial No. 566,669, published July 3, 1951. Class 32.

Switzer Brothers, Inc., Cleveland, Ohio. Ribbons, springs, braidings, etc. 548,938, Oct. 2; Serial No. 577,618, published July 10, 1951. Class 40.

Tempo Record Company of America, Hollywood, Calif. Mechanically grooved phonograph records. 549,048, Oct. 2; Serial No. 605,335, published July 10, 1951. Class 36.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,274–7, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,279–80, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,282, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,284–5, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,291–3, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,295, re-renewed Nov. 21, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,347, re-renewed Nov. 28, 1951. O. G. Oct. 2. Class 15.

Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y., to The Texas Company, New York, N. Y. Lubricating-oils. 84,349, re-renewed Nov. 28, 1951. O. G. Oct. 2. Class 15.

Thermique, Incorporated, New York, N. Y., to Gaylord-Shelton, Inc., Chicago, Ill. Permanent-waving machines, heaters, etc. 284,264, renewed June 23, 1951. O. G. Oct. 2. Class 44.

Tide Water Associated Oil Company, New York, N. Y. Lubricating oil. 549,088, Oct. 2; Serial No. 581,150. Class 15.

Traub-Lyons-Oppenheim, Inc., New York, N. Y. Piece goods. 549,038, Oct. 2; Serial No. 603,946, published July 10, 1951. Class 42.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound for coating pipe surfaces. 549,040–2, Oct. 2; Serial No. 604,110–12, published June 12, 1951. Class 12.

Trim-Set Corporation, Seattle, Wash. Metal windows, window frames, and doors. 548,898, Oct. 2; Serial No. 511,117, published Jan. 11, 1949. Class 12.

Trommer Company, The, to Verle E. Stuckey, Fremont, Ohio. Medicament. 35,404, re-renewed Nov. 13, 1950. O. G. Oct. 2. Class 18.

Tyler Fixture Corporation, Niles, Mich. Refrigerated cases. 549,005, Oct. 2; Serial No. 598,334, published July 3, 1951. Class 31.

Tyler Fixture Corporation, Niles, Mich. Refrigerated beverage dispensing cases. 549,006, Oct. 2; Serial No. 598,335, published July 3, 1951. Class 31.

Uddeholm Company of America, Inc., New York, N. Y. Tool steel. 288,404, renewed Oct. 27, 1951. O. G. Oct. 2. Class 14.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 549,105, Oct. 2; Serial No. 597,714. Class 2.

Union Carbide and Carbon Corporation, New York, N. Y. Raschig rings. 549,044, Oct. 2; Serial No. 604,872, published June 19, 1951. Class 12.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Medicinal preparation. 285,798, renewed Aug. 4, 1951. O. G. Oct. 2. Class 18.

United Gilsonite Laboratories, Scranton, Pa. Removers and more particularly wallpaper remover. 549,093, Oct. 2; Serial No. 588,980. Class 6.

United Machine Tool Factories, National Corporation: *See*—
Spojené Továrny na Obrábecí Stroje, Národní Podnik.

United States Rubber Company: *See*—
Naugatuch Chemical Company, The.
Peerless Rubber Manufacturing Company.

United States Rubber Company, New York, N. Y. Boots and shoes. 285,430, renewed July 28, 1951. O. G. Oct. 2. Class 39.
Uvalde Rock Asphalt Company, San Antonio, Tex. Grease resistant asphalt floor tile and grease resistant asphalt tile. 548,965. Oct. 2; Serial No. 586,384, published June 12, 1951. Class 12.
Vacuum Cooling Co., San Francisco, Calif. Pre-cooling of food produce. 549,066, Oct. 2; Serial No. 582,508, published July 17, 1951. Class 106.
Vigny, Inc., New York, N. Y. Perfumes. 549,050, Oct. 2; Serial No. 605,619, published June 12, 1951. Class 51.
Virtue Bros. Mfg. Co., doing business under the fictitious name of Virtue Brothers of California, Los Angeles, Calif. Tables. 549,043, Oct. 2; Serial No. 604,605, published July 3, 1951. Class 32.
Virtue Brothers of California: *See*—
Virtue Bros. Mfg. Co.
Wallace, Etta Mae, San Diego, Calif. Series of shadow motion picture films. 548,939, Oct. 2; Serial No. 577,624, published July 3, 1951. Class 26.
Waterbury Companies, Incorporated, Waterbury, Conn. Custom molding of plastic and metal products. 549,061, Oct. 2; Serial No. 550,633, published July 10, 1951. Class 106.
Weldon Tool Company, The, Cleveland, Ohio. Rotary fluid pumps, and all kinds of cutting tools and accessories. 548,974, Oct. 2; Serial No. 590,845, published June 19, 1951. Class 23.
Western Felt Works: *See*—
Western Felt Works, The.
Western Felt Works, The, to Western Felt Works, Chicago, Ill. Wool-felt rugs, wool-felt sweat collar-pads, etc. 37,409, re-renewed Dec. 3, 1951. O. G. Oct. 2. Class 3.
Westinghouse Electric Corporation, Pittsburgh, Pa., and Buffalo, N. Y. Electronic indicators for electric welders. 548,988, Oct. 2; Serial No. 594,676, published July 3, 1951. Class 26.
White, David, Company, The, Milwaukee, Wis. Stereoscopic cameras, stereoscopic projectors, etc. 412,242, Feb. 27, 1945. Corrected. O. G. Oct. 2, Class 26.
White, J. A., & Son, Roxboro, N. C. Hair dressing. 549,013, Oct. 2; Serial No. 600,870, published June 12, 1951. Class 51.
Whitehall Pharmacal Company: *See*—
Peteb Corporation, The.
Wilson Jones Company, Chicago, Ill. Visible card index cabinet. 285,451, renewed July 28, 1951. O. G. Oct. 2. Class 32.
Winsted Company, The, Winsted, Conn. Dog grooming supplies. 548,948, Oct. 2; Serial No. 581,632, published July 3, 1951. Class 3.
Wolfman, Ben, Inc., doing business as The Fashion, Houston, Tex. Ready to wear goods. 548,973, Oct. 2; Serial No. 590,725, published July 3, 1951. Class 39.
Wood, Vernon D., doing business as Vernon D. Wood Co., Los Angeles, Calif. Combined brush and scraper. 549,078, Oct. 2; Serial No. 571,186. Class 29.
Wood, Vernon D., Co.: *See*—
Wood, Vernon D.
Wrenn Paper Company, The, Middletown, Ohio. Blotting paper. 226,850, Apr. 19, 1927. Republished Oct. 2. Class 37.
Wuest, Adam, Inc., Cincinnati, Ohio. Mattresses and box springs. 444,575, Oct. 2; Serial No. 522,248, published Aug. 15, 1950. Class 32.
Youngs Rubber Corporation: *See*—
Youngs Rubber Corporation, Inc.
Youngs Rubber Corporation, Inc., to Youngs Rubber Corporation, New York, N. Y. Prophylactic membranous articles. 281,542, renewed Mar. 24, 1951. O. G. Oct. 2. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Condensation product of formaldehyde and ethylamine. The Naugatuck Chemical Company. 285,004, renewed July 14, 1951. O. G. Oct. 2.
Leather. The Ohio Leather Company. 289,327, renewed Nov. 24, 1951. O. G. Oct. 2.

CLASS 2

Bags. Ames Harris Neville Co. 288,591, renewed Nov. 3, 1951. O. G. Oct. 2.
Bags, Paper. Bemis Bro. Bag Company. 549,099, Oct. 2; Serial No. 593,100.
Bags, Paper. Union Bag & Paper Corporation. 549,105, Oct. 2; Serial No. 597,714.
Cartons, Cardboard. Cornell Wood Products Company. 549,104, Oct. 2; Serial No. 597,325.
Containers. The Ohio Boxboard Company. 549,094, Oct. 2; Serial No. 589,109.
Covers, slips or sacks. V. Burke. 548,942, Oct. 2; Serial No. 579,800, published June 12, 1951.
Flacons, Empty glass perfume. Mary Dunhill, Inc. 548,997, Oct. 2; Serial No. 496,017, published Dec. 5, 1950.
Tubes, Collapsible. Aluminum Company of America. 285,365–6, renewed July 28, 1951. O. G. Oct. 2.
Wrappers and bags. The Popsicle Corporation of the United States. 288,575, renewed Nov. 3, 1951. O. G. Oct. 2.

CLASS 3

Cases, Cosmetic. H. Cornelius. 548,997, Oct. 2; Serial No. 597,128, published June 26, 1951.
Dog grooming supplies. The Winsted Company. 548,948, Oct. 2; Serial No. 581,632, published July 3, 1951.
Portfolios. R. R. Conell. 548,995, Oct. 2; Serial No. 596,079, published June 26, 1951.
Wallets, key cases and pocket secretaries. Hickok Manufacturing Co. Inc. 548,994, Oct. 2; Serial No. 595,957, published June 26, 1951.
Wallets, purses, pocket books, etc. Roller Derby Associates. 549,014, Oct. 2; Serial No. 600,976, published June 26, 1951.
Wool-felt rugs, wool-felt sweat collar-pads, etc. The Western Felt Works. 37,409, re-renewed Dec. 3, 1951. O. G. Oct. 2.

CLASS 4

Abrasives. Durex Abrasives Corporation. 285,448, renewed July 28, 1951. O. G. Oct. 2.
Polish, Liquid furniture. Simmons & Simmons. 549,071, Oct. 2; Serial No. 527,194.
Polishing preparation. Adams Wax Products Mfg. Inc. 289,588, renewed Dec. 1, 1951. O. G. Oct. 2.

CLASS 5

Adhesive cements. Minnesota Mining & Manufacturing Company. 406,082, Mar. 7, 1944. Republished Oct. 2.
Adhesives, pastes, glues, gums. Manhattan Paste & Glue Co., Inc. 284,382, June 23, 1931. Republished Oct. 2.
Glue, arabic, paste, etc. Sanford Manufacturing Co. 82,832, re-renewed July 25, 1951. O. G. Oct. 2.

CLASS 6

Calcium carbide. Shawinigan Products Corporation. 200,921, July 14, 1925. Republished Oct. 2.
Chemical composition, with alcohol base. H. W. Pleitner Charcoal Company. 549,087, Oct. 2; Serial No. 578,941.
Chemical compositions. Chipman Chemical Engineering Company, Inc. 288,627, renewed Nov. 3, 1951. O. G. Oct. 2.
Deodorized naphthas. Anderson-Prichard Oil Corporation. 548,901, Oct. 2; Serial No. 532,544, published June 26, 1951.
Glycerin substitute. Chas. W. Jacob & Allison. 83,917, re-renewed Oct. 24, 1951. O. G. Oct. 2.
Insect-repellent cream. Stanco Incorporated. 283,534, renewed June 2, 1951. O. G. Oct. 2.
Mortar-coloring. Clinton Metallic Paint Company. 82,052, re-renewed May 30, 1951. O. G. Oct. 2.
Removers and more particularly wallpaper remover. United Gilsonite Laboratories. 549,093, Oct. 2; Serial No. 588,980.
Welding flux. Aluminum Company of America. 285,778–9, renewed Aug. 4, 1951. O. G. Oct. 2.

CLASS 7

Rope, Wire, and particularly galvanized wire. The American Steel and Wire Company of New Jersey. 286,969, renewed Sept. 8, 1951. O. G. Oct. 2.

CLASS 8

Pipes, Smokers'. Sasieni London Ltd. 276,417, Oct. 21, 1930. Republished Oct. 2.

CLASS 12

Angles, Steel, for buildings, ash dumps and trap doors, etc. The Donley Brothers Company. 548,926, Oct. 2; Serial No. 588,592, published June 19, 1951.
Building paper. Blake, Moffitt & Towne. 548,920, Oct. 2; Serial No. 562,530, published June 12, 1951.
Building structures, Pre-fabricated. The Otsego Log Cabin Company. 548,970, Oct. 2; Serial No. 588,591, published June 12, 1951.
Concrete forms, concrete pipes, concrete conduits, etc. Electric Tamper & Equipment Co. 289,271, renewed Nov. 24, 1951. O. G. Oct. 2.
Concrete, Plastic refractory. Mexico Refractories Company. 548,904, Oct. 2; Serial No. 541,947, published June 12, 1951.
Concrete reinforcing bars. The Square Grip Reinforcement Company (London) Limited. 549,086, Oct. 2; Serial No. 578,171.

Insulating batts, granular insulation, and fibrous insulation. Minnesota and Ontario Paper Company. 548,929, Oct. 2; Serial No. 571,341, published June 12, 1951.
Mastic compound for coating pipe surfaces. The Tremco Manufacturing Company. 549,040–2, Oct. 2; Serial Nos. 604,110–12, published June 12, 1951.
Raschig rings. Union Carbide and Carbon Corporation. 549,044, Oct. 2; Serial No. 604,872, published June 19, 1951.
Roof slabs. The Formigli Corporation. 548,978, Oct. 2; Serial No. 592,990, published Feb. 13, 1951.
Sealing compound, Asphaltic. J. F. McSwain. 549,090, Oct. 2; Serial No. 583,439.
Surfacing material, Corrosionproof and abrasion resistant. W. E. Smith. 548,990, Oct. 2; Serial No. 595,288, published June 19, 1951.
Tile, Grease resistant asphalt floor, and grease resistant asphalt tile. Uvalde Rock Asphalt Company. 548,965, Oct. 2; Serial No. 586,384, published June 12, 1951.
Tiles, Plastic. Beautycraft Plastic Tile Corporation. 549,092, Oct. 2; Serial No. 588,931.
Windows, Metal, window frames, and doors. Trim-Set Corporation. 548,898. Oct. 2; Serial No. 511,117, published Jan. 11, 1949.

CLASS 13

Barb-wire. The American Steel & Wire Company of New Jersey. 84,302, re-renewed Nov. 28, 1951. O. G. Oct. 2.
Bathing-tubs, fire-hydrants, door-closers, etc. Aktiebolaget B A. Hjorth & Co. 82,285, re-renewed June 20, 1951. O. G. Oct. 2.
Metal closures for drums, Chambers, Bering, Quinlan Co. 549,089, Oct. 2; Serial No. 581,249.
Metal tubing. Bundy Tubing Company. 207,185, Dec. 22, 1925. Republished Oct. 2.
Metal tubing and shaped metal tube lengths. Bundy Tubing Company. 428,642, Apr. 1, 1947. Republished Oct. 2.
Metal tubing, shaped tube lengths, etc. Bundy Tubing Company. 289,329, Nov. 24, 1931. Republished Oct. 2.

CLASS 14

Aluminum sand mold and permanent mold castings, aluminum billets and ingots, etc. Aluminum Company of America. 284,996–7, renewed July 14, 1951. O. G. Oct. 2.
Blank lithograph plates. Aluminum Company of America. 284,998–9, renewed July 14, 1951. O. G. Oct. 2.
Cutting-steel, High-speed. Firth-Sterling Steel Company. 84,223, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Steel, Tool. Uddeholm Company of America, Inc. 288,404, renewed Oct. 27, 1951. O. G. Oct. 2.
Wire, Copper alloy, and unfinished copper alloy rods and sheets. Anaconda Wire & Cable Company. 286,740, renewed Sept. 1, 1951. O. G. Oct. 2.

CLASS 15

Lubricants. Acheson Oildag Company. 288,096, renewed Oct. 20, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,274–7, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,279–80, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,282, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,284–5, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,291–3, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,295, re-renewed Nov. 21, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,347, re-renewed Nov. 28, 1951. O. G. Oct. 2.
Lubricating-oils. The Texas Company. 84,349, re-renewed Nov. 28, 1951. O. G. Oct. 2.
Oil, Lubricating. Tide Water Associated Oil Company. 549,088. Oct. 2; Serial No. 581,150.
Oils, Lubricating, and greases and waxes. Sun Oil Company. 548,922. Oct. 2; Serial No. 565,737, published June 26, 1951.
Oils, Lubricating, and lubricating greases. Galena Oil Corporation. 288,144, renewed Oct. 20, 1951. O. G. Oct. 2.

CLASS 16

Paints, Iron-oxid. Clinton Metallic Paint Company. 82,304, re-renewed June 20, 1951. O. G. Oct. 2.
Pavement-marking composition, Liquid. Minnesota Mining & Manufacturing Company. 443,939, Apr. 25, 1950. Republished Oct. 2.
Varnishes, ready-mixed paints, and paint enamels. International Compositions Company, Incorporated. 284,167, renewed June 16, 1951. O. G. Oct. 2.

CLASS 18

Laxative preparations. Picot Laboratories, Inc. 549,076, Oct. 2: Serial No. 557,209.
Laxative tablets. The E. L. Patch Company. 549,002, Oct. 2; Serial No. 598,033, published June 19, 1951.
Lozenges for the treatment of coughs and colds. A. Gazzoni & C. 549,079. Oct. 2; Serial No. 571,266.
Medical preparation. Roche-Organon, Inc. 365,441, Mar. 7, 1939. Republished Oct. 2.
Medicament. The Trommer Company. 35,404, re-renewed Nov. 13, 1950. O. G. Oct. 2.
Medicinal mineral salts. S. E. Keys. 549,108, Oct. 2; Serial No. 602,900.
Medicinal preparation. United Drug Company. 285,798, renewed Aug. 4, 1951. O. G. Oct. 2.
Medicinal tablet. The Paris Medicine Company. 306,324, Sept. 12, 1933. Republished Oct. 2.
Oil to be applied externally. D. L. Jenkins. 549,083, Oct. 2; Serial No. 576,210.
Pharmaceutical preparation. Nordmark-Werke Aktiengesellschaft für angewandte Chemie. 284,560, renewed July 7, 1951. O. G. Oct. 2.
Remedy for nervousness and rheumatic troubles. L. Loesihv. 81,343, re-renewed Mar. 28, 1951. O. G. Oct. 2.
Suppositories, Pile. The Grove Laboratories, Inc. 404,606, Dec. 7, 1943. Republished Oct. 2.
Tablets for the relief of colds, headache and neuralgia. The Grove Laboratories, Inc. 400,071, Feb. 16, 1943. Republished Oct. 2.
Vitamin capsules. The Grove Laboratories, Inc. 406,128. Mar. 14, 1944. Republished Oct. 2.

CLASS 21

Cable, Aluminum, steel-reinforced aluminum cable and condenser blades. Aluminum Company of America. 285,250–1 renewed July 21, 1951. O. G. Oct. 2.
Heaters, Electric water supply. Gas and Electric Heater Co. 287,757, renewed Oct. 6, 1951. O. G. Oct. 2.
Insulated wire and cables. The American Steel and Wire Company of New Jersey. 287,244, renewed Sept. 15, 1951. O. G. Oct. 2.

CLASS 22

Dolls. Ideal Novelty & Toy Co. 289,841, renewed Dec. 8, 1951. O. G. Oct. 2.
Tops. T. C. Reyes. 549,032, Oct. 2; Serial No. 603,460, published July 17, 1951.
Toy rubber balloons. The Oak Rubber Company. 289,853, renewed Dec. 8, 1951. O. G. Oct. 2.

CLASS 23

Artist's palette. SERVall Products, Inc. 549,035, Oct. 2; Serial No. 603,650, published June 26, 1951.
Drills, reamers, drill-sockets, etc. Celfor Tool Company. 82,206, re-renewed June 13, 1951. O. G. Oct. 2.
Duplicators. C. E. Souders. 444,576, Oct. 2; Serial No. 523,486, published June 19, 1951.
Engines, Internal combustion, power units, and accessories, etc. Hercules Motors Corporation. 288,814, renewed Nov. 3, 1951. O. G. Oct. 2.
Hoisting, digging, and conveying machinery. Lidgerwood Manufacturing Company. 282,261, Apr. 14, 1931. Republished Oct. 2.
Material handling apparatus, Automotive. Mixermobile Manufacturers. 548,919, Oct. 2; Serial No. 561,325, published June 19, 1951.
Matrix storage magazines, etc. Mergenthaler Linotype Company. 289,257, renewed Nov. 24, 1951. O. G. Oct. 2.
Mechanical oilers. Wm. W. Nugent & Co., Inc. 548,950, Oct. 2; Serial No. 581,678, published June 19, 1951.
Pumps, General purpose and heavy duty industrial, pump housings, etc. Mission Manufacturing Company. 548,916, Oct. 2; Serial No. 559,040, published June 19, 1951.
Pumps, Rotary fluid, and all kinds of cutting tools and accessories. The Weldon Tool Company. 548,974, Oct. 2; Serial No. 590,845, published June 19, 1951.
Saws, Hack, band saws, carpenters' hammers, and machinists' hammers. The Capewell Manufacturing Company. 548,961, Oct. 2; Serial No. 584,968, published June 26, 1951.
Shovels. Leach Company. 289,575, renewed Dec. 1, 1951. O. G. Oct. 2.
Stainless steel flatware. The International Silver Company. 548,957, Oct. 2; Serial No. 584,400, published June 26, 1951.
Stamps and brands, Rubber and brass. Precision Electrotype Company. 285,231, renewed July 21, 1951. O. G. Oct. 2.
Tamping or vibrating machines. Electric Tamper & Equipment Co. 289,079, renewed Nov. 17, 1951. O. G. Oct. 2.
Tools, Machine, and shop tools, etc. Spojene Továrny na Obráběcí Stroje, Národní Podnik. 548,911, Oct. 2; Serial No. 554,266, published June 19, 1951.

CLASS 24

Dryers, Clothes, clothes line props, clothes line poles, etc. Falco Products Co. 548,987, Oct. 2; Serial No. 594,635, published July 3, 1951.
Ironing board pad. Gerry Nufoam Products Corp. 549,003, Oct. 2; Serial No. 598,078, published July 3, 1951.
Ironing board pads and covers. D. Lehrman. 549,057, Oct. 2; Serial No. 609,687, published July 17, 1951.
Props, Telescopically adjustable metallic, for supporting clothes lines. New Holland Machine Company. 548,936, Oct. 2; Serial No. 576,467, published July 10, 1951.

CLASS 25

Locks, Automobile door, locking gas tank caps. Sears, Roebuck and Co. 548,964, Oct. 2; Serial No. 586,318, published July 10, 1951.
Locks, Sliding door. Jay G. McKenna, Inc. 549,059, Oct. 2; Serial No. 610,792, published July 17, 1951.

CLASS 26

Apparatus for indicating and recording the history of well drilling operations, etc. Independent Development Company. 548,955, Oct. 2; Serial No. 583,801, published June 5, 1951.
Apparatus for testing, analyzing and synchronizing internal combustion engines, etc. Allen Electric and Equipment Company. 548,924, Oct. 2; Serial No. 567,841, published June 5, 1951.
Burettes, graduated test bottles and test tubes, etc. Chem-Trol Industries, Inc. 548,906, Oct. 2; Serial No. 543,272, published June 26, 1951.
Cameras. Photochart. 548,933, Oct. 2; Serial No. 574,727, published July 10, 1951.
Cameras, Photographic. Eastman Kodak Company. 548,971, Oct. 2; Serial No. 589,895, published July 3, 1951.
Cameras, Stereoscopic, stereoscopic projectors, etc. The David White Company. 412,242, Feb. 27, 1945. Corrected. O. G. Oct. 2.
Electrical instrument. Heiland Research Corporation. 548,931, Oct. 2; Serial No. 573,880, published June 5, 1951.
Electrical time controlled release actuator. R. Sabor. 549,009, Oct. 2; Serial No. 600,193, published July 3, 1951.
Films, Motion picture. Sturgis-Grant Productions, Inc. 549,053, Oct. 2; Serial No. 605,976, published June 12, 1951.
Films, Series of shadow motion picture. E. M. Wallace. 548,939, Oct. 2; Serial No. 577,624, published July 3, 1951.
Filter, Plastic television. J. M. Gordon. 548,979, Oct. 2; Serial No. 593,069, published June 5, 1951.
Flash units. Acousticraft Corporation. 549,047, Oct. 2; Serial No. 605,247, published July 10, 1951.
Gas analyser. The Hays Corporation. 548,921, Oct. 2; Serial No. 563,408, published June 5, 1951.
Generators, Audio signal, square wave generators and audio oscillators. Hewlett-Packard Company. 548,993, Oct. 2; Serial No. 595,779, published July 10, 1951.
Indicating instrument, Electric. E. J. Abbott. 549,080, Oct. 2; Serial No. 571,397.
Indicators for electric welders, Electronic. Westinghouse Electric Corporation. 548,988, Oct. 2; Serial No. 594,6797, published July 3, 1951.
Kits for developing and printing photographs. The FR Corporation. 548,907, Oct. 2; Serial No. 546,490, published June 26, 1951.
Lenses, Ophthalmic. The Imperial Optical Company Ltd. 549,035, Oct. 2; Serial No. 603,721, published July 3, 1951.
Lenses, Photographic and optical. Natural Colors, Inc. 549,012, Oct. 2; Serial No. 600,844, published July 3, 1951.
Measuring apparatus, Air flow, liquid flow measuring apparatus, etc. Commercial Research Laboratories, Inc. 548,975, Oct. 2; Serial No. 590,851, published June 5, 1951.
Measuring instrument, Grade incline. The Ellis Sales Corporation. 548,941, Oct. 2; Serial No. 578,078, published June 5, 1951.
Measuring tapes. Keufel & Esser Company. 549,049, Oct. 2; Serial No. 605,798, published June 12, 1951.
Meters, Gas, and parts thereof, calorimeters, orifice and other rate of flow meters. American Meter Company. 548,962, Oct. 2; Serial No. 533,829, published Apr. 26, 1949.
Meters, Gas, and parts thereof, calorimeters, orifice and other rate of flow meters. American Meter Company. 548,963, Oct. 2; Serial No. 541,490, published Apr. 3, 1951.
Microscope cover glasses and glass slides. Heilige, Inc. 549,023, Oct. 2; Serial No. 602,452, published June 5, 1951.
Mimeograph drawing boards and mimeograph lettering guides. A. B. Dick Company. 548,951, Oct. 2; Serial No. 582,216, published June 19, 1951.
Patterns and templates, Paper. D. R. Brann. 549,082, Oct. 2; Serial No. 576,106.
Photographic and X-ray film processing clamp. C. B. Kambas. 548,934, Oct. 2; Serial No. 574,778, published July 3, 1951.
Photographic film, Sensitized. Eastman Kodak Company. 549,010, Oct. 2; Serial No. 600,472, published July 10, 1951.
Proportioning apparatus. Spick Products Co. 548,960, Oct. 2; Serial No. 584,643, published June 19, 1951.
Recording paper, Heat sensitive. G. M. Giannini & Co., Inc. 548,967, Oct. 2; Serial No. 587,327, published June 5, 1951.
Scales and balances, Laboratory, composition of forces tables and apparatus, etc. Standard Science Supply Company. 548,983, Oct. 2; Serial No. 593,320, published June 5, 1951.
Spectacles. Societe Anonyme: Les Freres Lissac. 549,052, Oct. 2; Serial No. 605,922, published June 12, 1951.
Switches, Automatic coin controlled time registering electric. Meterics, Incorporated. 286,038, renewed Aug. 11, 1951. O. G. Oct. 2.
Switches, Electric. International Register Company. 548,984, Oct. 2; Serial No. 593,414, published June 5, 1951.
Switches having a thermal element. Sangamo Electric Company. 549,027, Oct. 2; Serial No. 602,975, published June 5, 1951.
Switches, Temperature responsive. Fenwal Incorporated. 549,026, Oct. 2; Serial No. 602,939, published June 19, 1951.
Switches, Thermal responsive. Fenwal Incorporated. 549,109, Oct. 2; Serial No. 602,936.
Switches, Time operated electric. Sears, Roebuck and Co. 548,945, Oct. 2; Serial No. 581,092, published July 10, 1951.
Testing instruments, Battery. McColpin-Christie Corporation, Ltd. 548,986, Oct. 2; Serial No. 594,054, published May 29, 1951.
Thermometers, Cooking. The Ohio Thermometer Co., Inc. 548,935, Oct. 2; Serial No. 574,857, published July 3, 1951.
Timer for cooking stoves, Adjustable clock. Sears, Roebuck and Co. 548,917, Oct. 2; Serial No. 559,333, published Mar. 7, 1950.
Utility cabinets designed for use by artists and draftsmen. P. F. B. Stahl. 548,996, Oct. 2; Serial No. 596,955, published July 3, 1951.
X-ray accessories. Frank Schols X-Ray Engineering Service, Inc. 549,058, Oct. 2; Serial No. 610,343, published June 19, 1951.

CLASS 27

Clocks, clock movements, and parts thereof. The Sessions Clock Company. 549,101, Oct. 2; Serial No. 593,749.

CLASS 28

Bridal sets, namely engagement rings, etc. Heisberg's Diamond Shops, Inc. 549,102, Oct. 2; Serial No. 596,344.
Flatware and hollow-ware, Silver. Oneida Community, Limited. 286,573, renewed Sept. 1, 1951. O. G. Oct. 2.
Jewelry. Gamma Phi Beta. 299,989. Jan. 3, 1933. Republished Oct. 2.
Pearls, Artificial. Illinois Watch Case Co. 549,107, Oct. 2; Serial No. 599,876.
Rings, Wedding. Precious Metals Specialties Company, Inc. 549,110. Oct. 2; Serial No. 608,624.

CLASS 29

Brush and scraper, Combined. V. D. Wood. 549,078, Oct. 2; Serial No. 571,186.
Brushes, Painters'. Pittsburgh Plate Glass Company. 284,627, July 7, 1931. Republished Oct. 2.
Brushes, Wire, Tampico and bristle. The Specialty Manufacturing Company. 284,275, June 23, 1931. Republished Oct. 2.

CLASS 31

Chests and boxes for ice, Insulated portable. Metalcraft Manufacturing Corporation. 548,992, Oct. 2; Serial No. 595,640, published July 3, 1951.
Filter discs, Milk. Schwartz Manufacturing Company. 549,054, Oct. 2; Serial No. 606,394, published July 10, 1951.
Refrigerated beverage dispensing cases. Tyler Fixture Corporation. 549,006, Oct. 2; Serial No. 598,335, published July 3, 1951.
Refrigerated cases. Tyler Fixture Corporation. 549,005, Oct. 2; Serial No. 598,334, published July 3, 1951.
Refrigeration apparatus. The Sargent-Roundy Corporation. 548,976, Oct. 2; Serial No. 591,380, published May 29, 1951.

CLASS 32

Bars, counters, bar and counter tops, etc. The Redlich Manufacturing Company. 548,943, Oct. 2; Serial No. 580,514, published July 3, 1951.
Booths, Acoustically treated. Burgess-Manning Company. 548,900, Oct. 2; Serial No. 527,800, published Aug. 31, 1948.
Cabinet, Visible card index. Wilson Jones Company. 285,451, renewed July 28, 1951. O. G. Oct. 2.
Cabinets, Portable bakery. E. J. Smayda, Jr. 548,958, Oct. 2; Serial No. 584,422, published June 26, 1951.
Counters, Check-out. The Kroger Co. 549,039, Oct. 2; Serial No. 604,099, published July 3, 1951.
Furniture, Bedroom, living room furniture, and breakfast room furniture. J. E. King Manufacturing Co. 549,029–30, Oct. 2; Serial Nos. 603,159–60, published June 26, 1951.
Mattresses. Sleep Well Mattress Co. 150,572, Jan. 3, 1922. Republished Oct. 2, 1951.
Mattresses and box springs. Adam Wuest, Inc. 444,575, Oct. 2; Serial No. 522,248, published Aug. 15, 1950.
Mattresses, sofas, divans, etc. Honorbilt Products, Inc. 548,909, Oct. 2; Serial No. 550,606, published June 26, 1951.

Mirrors. Falconer Plate Glass Corporation. 548,985, Oct. 2; Serial No. 593,912, published July 3, 1951.
Mirrors. Hooker Glass & Paint Mfg. Co. 548,928, Oct. 2; Serial No. 571,272, published July 3, 1951.
Pillows. Nettle Creek Industries, Inc. 549,034, Oct. 2; Serial No. 603,609, published June 26, 1951.
Springs, Mattress. Comfort Spring Corporation. 548,912, Oct. 2; Serial No. 554,366, published June 26, 1951.
Springs, Metallic coil, and assemblies thereof. Owen Silent Spring Company, Inc. 548,940, Oct. 2; Serial No. 577,809, published July 3, 1951.
Tables. Virtue Bros. Mfg. Co. 549,043, Oct. 2; Serial No 604,605, published July 3, 1951.
Tables, End, folding chairs, tables. Superior Table Novelties Corporation. 548,923, Oct. 2; Serial No. 566,669, published July 3, 1951.
Window shades. The Columbia Mills, Inc. 548,991, Oct. 2; Serial No. 595,307, published July 3, 1951.
Window shades. S. H. Kress and Company. 548,954, Oct. 2; Serial No. 583,099, published July 3, 1951.

CLASS 35

Packing composed of fibrous material and fibrous material combined with metal. Peerless Rubber Manufacturing Company. 82,908, re-renewed Aug. 1, 1951. O. G. Oct. 2.
Tires, Pneumatic and cushion. The Goodyear Tire & Rubber Company. 288,121, renewed Oct. 20, 1951. O. G. Oct. 2.

CLASS 36

Musical instruments. Maxwell Meyers, Inc. 548,910, Oct. 2; Serial No. 552,473, published July 17, 1951.
Phonograph records, Mechanically-grooved. Cary Products Company. 549,074, Oct. 2; Serial No. 546,758.
Phonograph records, Mechanically grooved. Spire Records Company, Inc. 548,914, Oct. 2; Serial No. 558,175, published July 10, 1951.
Phonograph records, Mechanically grooved. Tempo Record Company of America. 549,048, Oct. 2; Serial No. 605,335, published July 10, 1951.
Piano actions, piano keys, and piano plates. Pratt, Read & Company, Incorporated. 548,915, Oct. 2; Serial No. 558,509, published July 17, 1951.
Records, Mechanically grooved. Coral Records, Inc. 548,927, Oct. 2; Serial No. 568,718, published July 17, 1951.
Strings for banjos, guitars, harps, etc. National Musical String Co. 548,999, Oct. 2; Serial No. 597,285, published Apr. 17, 1951.
Ukuleles. Chris-Kratt Instrument Co., Inc. 549,055, Oct. 2; Serial No. 606,413, published July 3, 1951.
Ukuleles, banjo ukuleles, tenor guitars, etc. J. M. Sahlein. 548,977, Oct. 2; Serial No. 591,956, published July 17, 1951.

CLASS 37

Folders for holding insurance policies, Bound. H. W. Leach. 549,100, Oct. 2; Serial No. 593,228.
Paper, Blotting. The Wrenn Paper Company. 226,850, Apr. 19, 1927. Republished Oct. 2.

CLASS 38

Periodical. Peanut Journal Publishing Co. 284,840, July 7, 1931. Republished Oct. 2.

CLASS 39

Belts, Men's garment. Leatherplast, Inc. 549,077, Oct. 2; Serial No. 559,030.
Boots and shoes. International Shoe Company. 288,727, renewed Nov. 3, 1951. O. G. Oct. 2.
Boots and shoes. United States Rubber Company. 285,430, renewed July 28, 1951. O. G. Oct. 2.
Clothes, Work. H. Mendel & Co., Inc. 549,022, Oct. 2; Serial No. 602,272, published July 3, 1951.
Clothing. The H. & S. Pogue Company. 444,577, Oct. 2; Serial No. 523,584, published June 19, 1951.
Clothing, Men's, women's, and children's. Kirby, Block & Fischer, Inc. 286,849, renewed Sept. 8, 1951. O. G. Oct. 2.
Clothing, Various articles of. The Elder & Johnston Company. 548,913, Oct. 2; Serial No. 555,598, published May 8, 1951.
Coats, Men's corduroy sport. Robert Hall Clothes, Inc. 549,011, Oct. 2; Serial No. 600,586, published June 26, 1951.
Coats, vests, pants, etc. Fashion Park Associates, Inc. 288,624, renewed Nov. 3, 1951. O. G. Oct. 2.
Coats, vests, pants, etc. Fashion Park Associates, Inc. 289,235, renewed Nov. 24, 1951. O. G. Oct. 2.
Coats, Women's. Levy Bros. & Adler Rochester, Inc. 548,937, Oct. 2; Serial No. 576,834, published Apr. 18, 1950.
Dresses, Just-B-Tween Dress Manufacturing Co. 548,947, Oct. 2; Serial No. 581,530, published July 10, 1951.
Dresses, dress ensembles, blouses, etc., Ladies' and misses'. Sport-Craft, Inc. 548,959, Oct. 2; Serial No. 584,551, published July 10, 1951.
Dresses, Women's and misses' cotton. The Rosebud Housewear Corp. 548,932, Oct. 2; Serial No. 573,896, published May 30, 1950.
Dungarees, Children's. Bernstein, Cohen & Co. 549,045, Oct. 2; Serial No. 605,136, published July 3, 1951.
Hats and felt caps, Women's and children's felt. Benay Albee Novelty Co. 548,930, Oct. 2; Serial No. 573,754, published July 3, 1951.
Hats, Men's. Joseph Kanner Hat Co., Inc. 548,952, Oct. 2; Serial No. 582,637, published June 12, 1951.
Headgear, Safety. E. D. Bullard Company. 548,925, Oct. 2; Serial No. 567,946, published June 12, 1951.
Hosiery, May Hosiery Mills, Inc. 289,158, renewed Nov. 17, 1951. O. G. Oct. 2.
Hosiery, Ladies'. Dream Hosiery Mills, Inc. 549,004, Oct. 2; Serial No. 598,295, published July 10, 1951.
Hosiery, Men's, women's and children's. Burlington Mills Corporation. 549,001, Oct. 2; Serial No. 597,578, published July 10, 1951.
Hosiery, Women's, boys', girls' and infants'. Catawba Hosiery Mills, Inc. 549,016–17, Oct. 2; Serial Nos. 601,490–1, published July 10, 1951.
Hosiery, Women's full-fashioned. Berkshire Knitting Mills. 548,980–2, Oct. 2; Serial Nos. 593,213–15, published July 10, 1951.
Knitted articles. Ruepp & Co. Ltd. 444,574, Oct. 2; Serial No. 521,826, published June 12, 1951.
Ready to wear goods. Ben Wolfman, Inc. 548,973, Oct. 2; Serial No. 590,725, published July 3, 1951.
Robes, Bath, bathing suits, etc. S. F. Izsard Company. 548,956, Oct. 2; Serial No. 583,876, published July 3, 1951.
Shirts, Dress, negligee and work. Hall Hartwell & Co. 144,410, July 5, 1921. Republished Oct. 2.
Shirts, Men's sport and dress. Reynolds-Penland Company. 549,037, Oct. 2; Serial No. 603,814, published June 19, 1951.
Suits, overcoats, topcoats, etc., Men's and young men's. M. & B. Cohen Co. 548,989, Oct. 2; Serial No. 595,189, published July 3, 1951.
Suits, overcoats, topcoats, etc., Men's, young men's, and student's. Charles A. Steinberg, Inc. 548,908, Oct. 2; Serial No. 547,371, published July 10, 1951.
Suits, trousers, knickers, etc., Junior, boys' and young men's. The Matusow Manufacturing Company. 548,966, Oct. 2; Serial No. 587,149, published June 26, 1951.
Wearing apparel, Boys'. Aldens, Inc. 548,969, Oct. 2; Serial No. 588,194, published July 3, 1951.
Wearing apparel, Men's. The Fat Men's Shop, Inc. 548,968, Oct. 2; Serial No. 588,084, published June 12, 1951.

CLASS 40

Artificial flowers. Marrow Manufacturing Co. 549,000, Oct. 2; Serial No. 597,407, published July 10, 1951.
Ribbons, gorings, braidings, etc. Switzer Brothers, Inc. 548,938, Oct. 2; Serial No. 577,618, published July 10, 1951.

CLASS 42

Curtains, Window. Bartmann & Bixer, Inc. 548,972, Oct. 2; Serial No. 590,483, published Aug. 29, 1950.
Fabric, Woven paper fibre. American Twine & Fabric Corporation. 549,021, Oct. 2; Serial No. 601,972, published July 10, 1951.
Fabrics. Owens-Corning Fiberglas Corporation. 549,024, Oct. 2; Serial No. 602,565, published July 10, 1951.
Fabrics, Cut pile, loop pile fabrics, tapestries, etc. La France Industries. 548,918, Oct. 2; Serial No. 560,901, published July 10, 1951.
Fabrics, Drapery. Johns-Manville Corporation. 549,007, Oct. 2; Serial No. 598,481, published July 10, 1951.
Fabrics in the piece. Rockville Fabrics Corp. 549,025, Oct. 2; Serial No. 602,717, published July 10, 1951.
Fabrics in the piece, Textile. D. B. Fuller & Co., Inc. 549,031, Oct. 2; Serial No. 603,446, published July 10, 1951.
Fabrics in the piece, Textile. Hero Fabrics, Inc. 549,020, Oct. 2; Serial No. 601,906, published July 10, 1951.
Fabrics, Velveteen. Quintard Fabrics, Inc. 549,019, Oct. 2; Serial No. 601,566, published July 10, 1951.
Piece goods. Burlington Mills Corporation. 549,028, Oct. 2; Serial No. 603,109, published July 10, 1951.
Piece goods. Innes, Chambers & Company Limited. 548,998, Oct. 2; Serial No. 597,276, published July 10, 1951.
Piece goods, Traub-Lyons-Oppenheim, Inc. 549,038, Oct. 2; Serial No. 603,946, published July 10, 1951.
Piece goods, Woolen. C. M. De Land. 549,008, Oct. 2; Serial No. 599,228, published July 10, 1951.
Rugs and carpets, Textile. Nye-Walt Company, Inc. 549,033, Oct. 2; Serial No. 603,595, published July 10, 1951.
Textile bagging material. Mente & Co., Inc. 287,015, renewed Sept. 8, 1951. O. G. Oct. 2.
Towels. G. C. Minick. 549,056, Oct. 2; Serial No. 607,439, published July 10, 1951.

CLASS 44

Permanent-waving machines, heaters, etc. Thermique, Incorporated. 284,264, renewed June 23, 1951. O. G. Oct. 2.
Prophylactic membranous articles. Youngs Rubber Corporation, Inc. 281,542, renewed Mar. 24, 1951. O. G. Oct. 2.

CLASS 45

Beverage, Non-alcoholic tonic. Jersey-Creme Co. 82,444, re-renewed June 27, 1951. O. G. Oct. 2.

CLASS 46

Baking powder and cream of tartar. A. Schilling & Co. 289,062, renewed Nov. 17, 1951. O. G. Oct. 2.
Candies, mayonnaise, ice cream, etc. The Robert Putman Candy Company. 286,860, renewed Sept. 8, 1951. O. G. Oct. 2.
Candy; chocolate, cocoa, and chocolate coatings, etc. Ambrosia Chocolate Company. 284,985, renewed July 14, 1951. O. G. Oct. 2.
Canned apple sauce. The Lyndonville Canning Company, Inc. 286,535, renewed Sept. 1, 1951. O. G. Oct. 2.
Canned fruits. Austin, Nichols & Co. 288,596, renewed Nov. 3, 1951. O. G. Oct. 2.
Canned or bottled goods. The R. I. Sherman Mfg. Co. 36,337, re-renewed Apr. 30, 1951. O. G. Oct. 2.
Canned salmon. Key City Packing Company. 82,803, re-renewed July 25, 1951. O. G. Oct. 2.
Canned shrimp. Frank C. Gough. 549,073, Oct. 2; Serial No. 545,738.
Chocolate coatings, chocolate candy, hot chocolate powder, etc. Ambrosia Chocolate Company. 284,545, renewed July 7, 1951. O. G. Oct. 2.
Coffee and tea and coffee compounds. The James G. Gill Company. 289,018, renewed Nov. 17, 1951. O. G. Oct. 2.
Crackers. The Southwest Cracker Company. 548,905, Oct. 2; Serial No. 542,674, published Mar. 20, 1951.
Dates, dried. The Hills Brothers Company. 288,737, renewed Nov. 3, 1951. O. G. Oct. 2.
Eggs, Dehydrated whole, dehydrated egg yolk, and dehydrated egg albumen. Joe Lowe Co. Inc. 288,196, renewed Oct. 20, 1951. O. G. Oct. 2.
Fish paste. Harry Peck & Company, Limited. 286,373, renewed Aug. 25, 1951. O. G. Oct. 2.
Food flavoring extracts. A. Schilling & Co. 288,287, renewed Oct. 20, 1951. O. G. Oct. 2.
Frozen confections. The Popsicle Corporation of the United States. 288,507, renewed Oct. 27, 1951. O. G. Oct. 2.
Lemon juice, Bottled, and bottled lime juice. Puretex Lemon Juice, Inc. 549,097, Oct. 2; Serial No. 589,616.
Marshmallow topping. Henry and Henry, Inc. 549,103, Oct. 2; Serial No. 596,845.
Mint confections. Francis H. Leggett & Company. 288,292, renewed Oct. 20, 1951. O. G. Oct. 2.
Oats, Rolled. The Quaker Oats Company. 289,314, renewed Nov. 24, 1951. O. G. Oct. 2.
Peanut butter. Lummis & Company. 548,949, Oct. 2; Serial No. 581,672, published May 29, 1951.
Solvents, diluents, plasticizers, etc. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 284,546, renewed July 7, 1951. O. G. Oct. 2.
Spices. A. Schilling & Co. 288,291, renewed Oct. 20, 1951. O. G. Oct. 2.
Sugar. The National Sugar Refining Company of New Jersey. 287,003, renewed Sept. 8, 1951. O. G. Oct. 2.
Syrups, Food flavoring, fruit preserves, jams, etc. Orchard Products Company. 288,968, renewed Nov. 10, 1951. O. G. Oct. 2.
Syrups, Non-alcoholic, maltless. The Popsicle Corporation of the United States. 288,393, renewed Oct. 28, 1951. O. G. Oct. 2.
Tea and coffee. A. Schilling & Co. 288,290, renewed Oct. 20, 1951. O. G. Oct. 2.
Tea, bread, coffee, etc. E. C. Hall Company. 288,305, renewed Oct. 20, 1951. O. G. Oct. 2.
Wheat flour. Montana Flour Mills Co. 83,505, re-renewed Sept. 19, 1951. O. G. Oct. 2.

CLASS 49

Anisette. Bosch & Co. 82,568, re-renewed July 11, 1951. O. G. Oct. 2.
Anisette. Bosch & Co. 83,318, re-renewed Sept. 5, 1951. O. G. Oct. 2.

CLASS 50

Dress forms. Eva Ronell. 549,106, Oct. 2; Serial No. 599,243.

CLASS 51

Cleansing cream, face cream, and cold cream. The Peteb Corporation. 285,922, renewed Aug. 11, 1951. O. G. Oct. 2.
Cosmetic sets. Frances Denney. 540,091, Oct. 2; Serial No. 596,472.
Face powder, dusting powder, talcum powder, etc. Marcelle Cosmetics, Inc. 549,015, Oct. 2; Serial No. 601,057, published June 12, 1951.
Foundation creams. Elizabeth Arden Sales Corporation. 548,944, Oct. 2; Serial No. 580,710, published June 12, 1951.
Hair dressing. J. A. White & Son. 549,013, Oct. 2; Serial No. 600,870, published June 12, 1951.
Hair tint remover, Oil base. Duart Manufacturing Co., Ltd. 549,081, Oct. 2; Serial No. 573,121.
Liquid emulsion or lotion, neutralizer, and a cream developer. L and K Laboratories. 548,962, Oct. 2; Serial No. 585,238, published June 26, 1951.
Lotion, Eye. Karl F. Eweson. 549,046, Oct. 2; Serial No. 605,151, published June 12, 1951.
Lotion, Skin. The Cramer Chemical Company. 549,084, Oct. 2; Serial No. 576,958.
Lotion, Skin. Louise Fabish. 549,095–6, Oct. 2; Serial Nos. 589,437–8.
Lotions, Hair. Quality Chemists, Inc. 549,018, Oct. 2; Serial No. 601,511, published June 12, 1951.
Moisture-absorbing and deodorising composition. M. Pokorny & Sons, Ltd. 549,098, Oct. 2; Serial No. 592,098.
Nail lacquer, liquid nail lacquer remover, nail lacquer thinner, etc. Chen Yu, Inc. 548,946, Oct. 2; Serial No. 581,469, published June 26, 1951.
Pads impregnated with oil for use in treating fingernails. Ruth Kirkpatrick. 548,953, Oct. 2; Serial No. 582,791, published July 25, 1950.
Perfumes. Maximilian Furs, Inc. 548,963, Oct. 2; Serial No. 585,384, published June 26, 1951.
Perfumes, Vigny, Inc. 549,050, Oct. 2; Serial No. 605,819, published June 12, 1951.
Perfumes, Artificial and synthetical, essential oils. Societe Anonyme M. Naef & Cie. 284,585, renewed July 7, 1951. O. G. Oct. 2.
Shaving cream. Charles B. Dicks, Jr. 549,051, Oct. 2; Serial No. 605,896, published June 12, 1951.
Tooth-cream. Grumme & Son. 82,789, re-renewed July 25, 1951. O. G. Oct. 2.

CLASS 52

Cleaner, Neutral. Buffalo Kay Chemical Company, Inc. 549,085, Oct. 2; Serial No. 577,037.
Cleaner, Sudsing cleanser and detergent. The Procter & Gamble Company. 548,899, Oct. 2; Serial No. 527,719, published May 1, 1951.
Cleaner, Sudsing, cleanser and detergent. The Procter & Gamble Company. 549,072, Oct. 2; Serial No. 539,439.
Cleaner, Sudsing, cleanser and detergent. The Procter & Gamble Company. 549,075, Oct. 2; Serial No. 554,598.
Seal and cleaner, Automobile radiator, radiator cleaner and scale preventative. A. Gordon. 284,987, renewed July 14, 1951. O. G. Oct. 2.

CLASS 100

Organising of chapters. The Chi Phi Fraternity. 549,068, Oct. 2; Serial No. 595,188, published July 3, 1951.
Providing means for the identification of lost or stolen dogs, etc. Identacode, Ltd. 549,065, Oct. 2; Serial No. 575,470, published July 10, 1951.
Testing, analysis and reporting of the effectiveness of newspaper and radio advertising, etc. Advertising Research Bureau, Inc. 549,069, Oct. 2; Serial No. 599,209, published July 10, 1951.

CLASS 101

Advertising service. S. E. Norcross. 549,062, Oct. 2; Serial No. 569,092, published July 10, 1951.

CLASS 102

Casualty and liability insurance. Hardware Mutual Casualty Company. 549,063, Oct. 2; Serial No. 569,202, published July 10, 1951.
General factorage services. New York Factors, Inc. 549,064, Oct. 2; Serial No. 574,156, published June 19, 1951.
Insurance brokerage. N. Filler. 549,111, Oct. 2; Serial No. 554,222.

CLASS 103

Cleaning of pillows, mattresses, furs, etc. Standard Laundry Company. 549,070, Oct. 2; Serial No. 599,275, published July 10, 1951.
Reupholstering and designing of furniture to order. S. & G. Gump Company. 549,060, Oct. 2; Serial No. 541,283, published July 17, 1951.

CLASS 106

Custom molding of plastic and metal products. Waterbury Companies, Incorporated. 549,061, Oct. 2; Serial No. 550,633, published July 10, 1951.
Pre-cooling of food produce. Vacuum Cooling Co. 549,066, Oct. 2; Serial No. 582,508, published July 17, 1951.
Treating metal pipe for protecting it against rust and corrosion. Standard Pipeprotection Inc. 549,067, Oct. 2; Serial No. 594,862, published July 10, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bete Fog Nozzle, Inc., assignee: *See*—
Bete, John U.
Bete, John U., assignor by mesne assignments, to Bete Fog Nozzle, Inc., Greenfield, Mass. Spiral film spray nozzle. Re. 23,413, Oct. 2.
Holmes, George E., Detroit, Mich. Fuse plug. Re. 23,414, Oct. 2.

LIST OF PLANT PATENTEES

Germain's, Inc., assignee: *See*—
Whisler, Milton L.
Grillo, Nicholas, Millidale, Conn. Hybrid tea rose plant. 1,043, Oct. 2.
Whisler, Milton L., assignor to Germain's, Inc., Van Nuys, Calif. Rose plant. 1,042, Oct. 2.

LIST OF DESIGN PATENTEES

Adams, Wilbur H., Millcreek Township, Erie County, assignor to Erie City Manufacturing Company, Erie, Pa. Wheel chair. 164,662, Oct. 2.
American Safety Razor Corporation, assignee: *See*—
Treiss, Herman G., Jr.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Quinn, Edward F.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 164,663, Oct. 2.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 164,664, Oct. 2.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 164,665, Oct. 2.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 164,666, Oct. 2.
Berkline Corporation, The, assignee: *See*—
Popkin, Julius.
Bingham, George H., Jr., Taneytown, Md. Boot. 164,667, Oct. 2.
Carrithers, Robert J., Lincolnwood, Ill. Desk lamp. 164,668, Oct. 2.
Cattani, Gustave C.: *See*—
Stern, Charles M., and Cattani.
Chaplin, Charles J., assignor to Chaplin Corporation, South Portland, Maine. Compartmented plate. 164,669, Oct. 2.
Chaplin Corporation, assignee: *See*—
Chaplin, Charles J.
Churan, Roy G., and R. M. Lawless, assignors to Inland Steel Container Company, Chicago, Ill. Space heater casing or similar article. 164,670, Oct. 2.
Churan, Roy G., and R. M. Lawless, assignors to Inland Steel Container Company, Chicago, Ill. Casing for space heaters or similar articles. 164,671, Oct. 2.
Colitre, William B., assignee: *See*—
Moses, Henry T.
Collingwood, Frances, New York, N. Y. Apron. 164,672, Oct. 2.
De Mond, Willy, Hollywood, Calif. Lady's stocking. 164,673, Oct. 2.
De Mond, Willy, Hollywood, Calif. Lady's stocking. 164,674, Oct. 2.
De Mond, Willy, Hollywood, Calif. Lady's stocking. 164,675, Oct. 2.
Desguin, Henri, Koekelberg, and N. Sauvage, Berchem-Ste.-Agathe, assignors to Fonderies Nestor Martin, Societe Anonyme, Berchem-Brussels, Belgium. Gas table stove. 164,676, Oct. 2.
Du Pree, Ernest L., Old Greenwich, Conn., assignor to Schenley Industries, Inc., New York, N. Y. Decanter bottle. 164,677, Oct. 2.
Du Pree, Ernest L., Old Greenwich, Conn., assignor to Schenley Industries, Inc., New York, N. Y. Decanter bottle. 164,678, Oct. 2.
Erie City Manufacturing Company, assignee: *See*—
Adams, Wilbur H.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 164,679, Oct. 2.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 164,680, Oct. 2.
Feldman, Abraham G., assignor to Storkline Furniture Corporation, Chicago, Ill. Infant's crib. 164,681, Oct. 2.
Fonderies Nestor Martin, Societe Anonyme, assignee: *See*—
Desguin, Henry, and Sauvage.
Forward, Frederick B., McGaheysville, Va. Cocktail table or the like. 164,682, Oct. 2.
Fry, Albert E., Los Angeles, Calif. Automobile. 164,683, Oct. 2.
General Motors Corporation, assignee: *See*—
Mathews, Verner P.
Globe-Wernicke Co., The, assignee: *See*—
Thomson, Ernest F.
Green, Pearl, Brownsville, Pa. Wrist attachment for infant's eating utensils. 164,684, Oct. 2.
Haltom, Robert C., Fort Worth, Tex. Money clasp. 164,685, Oct. 2.
Hettrick Manufacturing Company, The, assignee: *See*—
Smith, Isidore P.
Horowitz, Isac, New York, N. Y. Clock or similar article. 164,686, Oct. 2.
Ingwer, Carl H., and C. E. Wright, Elyria, Ohio. Pipe vise. 164,687, Oct. 2.
Inland Steel Container Company, assignee: *See*—
Churan, Roy G., and Lawless.
Ischinger, Alfred E., Reading, Pa. Stocking. 164,756, Oct. 2.
Jimenez, Antonio C., New York, N. Y. Font of type. 164,688, Oct. 2.
Kafer, Clare, Palmyra, assignor to Revco, Inc., Deerfield, Mich. Display cabinet. 164,689, Oct. 2.
Kaye, Jolly, New York, N. Y. Blouse. 164,690, Oct. 2.
Kaye, Jolly, New York, N. Y. Blouse. 164,691, Oct. 2.
Kelley, James C., Trinity, Tex. Bottle holder. 164,692, Oct. 2.
Koons, Clarence R., Secaucus, N. J. Slicing device. 164,693, Oct. 2.
Lawless, Robert M.: *See*—
Churan, Roy G., and Lawless.
Lawrence, Andrew E., San Mateo, assignor to Pabco Products Inc., San Francisco, Calif. Linoleum or similar article. 164,694, Oct. 2.
Lawrence, Andrew E., San Mateo, assignor to Pabco Products Inc., San Francisco, Calif. Hard surface floor covering or similar article. 164,695, Oct. 2.
Les Parfums de Dana, Inc., assignee: *See*—
Younghusband, James L.
Logli, Aldo, Detroit, Mich. Tone control key panel for accordions. 164,696, Oct. 2.
Mango, Joseph R., assignor to Thor Corporation, Chicago, Ill. Washing machine. 164,697, Oct. 2.
Mathews, Verner P., near Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Gasoline filter. 164,698, Oct. 2.
McWilliams, Hugh C., San Antonio, Tex. Sunmask. 164,699, Oct. 2.
Melaro, Rose E., Oakmont, Pa. Hair-waving rod. 164,700, Oct. 2.

Meyer, Francis E., Lancaster, Pa. Font of numerals. 164,701, Oct. 2.
Monts, Lowell H., La Verne, Calif. Marimba. 164,702, Oct. 2.
Morrison, James L. D., Benton Harbor, Mich. Advertising display. 164,703, Oct. 2.
Morrison, James L. D., Benton Harbor, Mich. Advertising display. 164,704, Oct. 2.
Moses, Henry T., assignor to W. B. Colitre, Fulton, N. Y. Combination hammer, nail-extracting claw, and wrecking tool. 164,705, Oct. 2.
Mullins Manufacturing Corporation, assignee: *See*— Stanitz, Jacques.
Murphy, William B., Crandall, Tex. Trousers or similar article. 164,706, Oct. 2.
Nissen, Martin E., Hutchinson, Minn. Birdhouse. 164,707, Oct. 2.
Otto, Ferdinand P., assignor to Quaker Lace Company, Philadelphia, Pa. Lace tablecloth. 164,708, Oct. 2.
Pabco Products Inc., assignee: *See*— Lawrence, Andrew E.
Paper Novelty Manufacturing Company, assignee: *See*— Pretzfelder, Millard, Jr.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 164,709, Oct. 2.
Parva Products Company, assignee: *See*— White, Paul W.
Perry, Kathleen A., Lucan, Ontario, Canada. Garment hanger. 164,710, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 164,711, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 164,712, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,713, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,714, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,715, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,716, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,717, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,718, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,719, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,720, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,721, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,722, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,723, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,724, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,725, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,726, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,727, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,728, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,729, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York N. Y. Bracelet or the like. 164,730, Oct. 2.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,731, Oct. 2.
Popkin, Julius, Springfield, assignor to The Berkline Corporation, Chicopee Falls, Mass. Chair. 164,732, Oct. 2.
Pretzfelder, Millard, Jr., Plandome, assignor to Paper Novelty Manufacturing Company, Brooklyn, N. Y. Tape dispenser frame. 164,733, Oct. 2.
Quaker Lace Company, assignee: *See*— Otto, Ferdinand P.
Quinn, Edward F., Larchmont, N. Y., assignor to the United States of America as represented by the Secretary of the Army. Cubicle partition unit. 164,734, Oct. 2.
Revco, Inc., assignee: *See*— Kafer, Clare.
Ruger, William B., Westport, assignor to Sturm, Ruger & Co., Inc., Southport, Conn. Pistol. 164,735, Oct. 2.
Sanders, Edward H., San Francisco, Calif. Advertising device. 164,736, Oct. 2.
Sarna, Sajjan S., New York, N. Y. Bell. 164,737, Oct. 2.
Sauvage, Nestor: *See*— Desguin, Henri, and Sauvage.
Schenley Industries, Inc., assignee: *See*— Du Pree, Ernest L.
Signa-Craft Inc., assignee: *See*— Stupell, Norman J.
Singer Manufacturing Company, The, assignee: *See*— Park, Malcolm S.
Smith, Isidore P., Maumee, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Awning. 164,738, Oct. 2.
Smith, Isidore P., Maumee, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Awning. 164,739, Oct. 2.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Dishwasher cabinet. 164,740, Oct. 2.
Stern, Charles M., and G. C. Cattani, San Francisco, Calif. Dispenser for olives, cherries, small onions, and the like. 164,741, Oct. 2.
Storkline Furniture Corporation, assignee: *See*— Feldman, Abraham G.
Stupell, Norman J., assignor to Signa-Craft Inc., New York, N. Y. Alphabet for forming monograms or the like. 164,742, Oct. 2.
Sturm, Ruger & Co., Inc., assignee: *See*— Ruger, William B.
Terry, Thomas R., deceased, Idaho Falls, Idaho; W. G. Terry, administrator. Advertising sign. 164,743, Oct. 2.
Terry, Woodrow G., administrator: *See*— Terry, Thomas R.
Thomson, Ernest F., North Salem, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio. Display shelf. 164,744, Oct. 2.
Thor Corporation, assignee: *See*— Mango, Joseph R.
Treiss, Herman G., Jr., assignor to American Safety Razor Corporation, Brooklyn, N. Y. Table lighter holder. 164,745, Oct. 2.
Trifari, Krussman & Fishel, Inc., assignee: *See*— Philippe, Alfred.
Verderosa, Louis, Ozone Park, N. Y. Safety disk wheel. 164,746, Oct. 2.
Warren, William S., Meriden, Conn. Table ornament or similar article. 164,747, Oct. 2.
Webster, James M., Pelham, N. Y. Child's play booth. 164,748, Oct. 2.
West, Hattie L., Shreveport, La. Hobbyhorse. 164,749, Oct. 2.
White, Paul W., New Haven, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle frame. 164,750, Oct. 2.
Williams, Betty A., Chicago, Ill. Bathing cap. 164,751, Oct. 2.
Williams, Betty A., Chicago, Ill. Bathing cap. 164,752, Oct. 2.
Williams, Betty A., Chicago, Ill. Bathing cap. 164,753, Oct. 2.
Wright, Clyde E.: *See*— Ingwer, Carl H., and Wright.
Yandell, Anne, New York, N. Y. Slipper or similar article. 164,754, Oct. 2.
Younghusband, James L., Chicago, Ill., assignor to Les Parfums de Dana, Inc., New York, N. Y. Perfume box. 164,755, Oct. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

ATF Incorporated, assignee: *See*— Falconer, Robert W. Hill, John P.
Aagesen, Louis E., Joliet, Ill. Fault detector for shotgun users. 2,569,594, Oct. 2.
Abbe, Edward J., Cleveland Heights, assignor to The Eiwell-Parker Electric Company, Cleveland, Ohio. Scoop mechanism for trucks. 2,569,740, Oct. 2.
Acme Steel Company, assignee: *See*— Wognum, James N.
Adams, Harry L., Denver, Colo., assignor of one-tenth to V. G. Jones. Pencil lead sharpening machine. 2,569,548, Oct. 2.
Adams, John R., Jr.: *See*— Salvin, Victor S., and Adams.
Adams, Kenneth H.: *See*— Doelling, George L., and Adams.
Adams, Leon M., Texas City, P. L. Brandt, Galveston, R. J. Lee, La Marque, and F. T. Wadsworth, Dickinson, assignors to Pan-American Refining Corporation, Texas City, Tex. Preparation of drying oils from clay polymers. 2,569,595, Oct. 2.
Adams, Walter, assignor to Lotus Limited, Stafford, England. Edge binding machine. 2,570,086, Oct. 2.
Addressograph-Multigraph Corporation, assignee: *See*— Gollwitzer, Walter T.
Adlake Company, The, assignee: *See*— Verhagen, Christian M.
Adler, Max, and K. and I. Katkowski, Detroit, Mich. Trailer hitch. 2,569,843, Oct. 2.
Aeugle, Margaretta E.: *See*— La Lande, William A., Jr., Aeugle, and Molyneux.
Agnew, Robert J., Pawling, and R. E. Conary, Beacon, assignors to The Texas Company, New York, N. Y. Separation of isophthalic acid from terephthalic acid by noncatalytic esterification. 2,569,440, Oct. 2.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*— Swern, Daniel, and Findley.
Alco Valve Company, assignee: *See*— Dube, John E., and Jones.
Alexander, Arthur F., Cleveland, Ohio. Clamping latch. 2,569,647, Oct. 2.
Allen, John M., Sr., Mart, Tex. Armrest. 2,569,436, Oct. 2.
Allied Chemical & Dye Corporation, assignee: *See*— Stolp, Charles, Jr.
Alquist, Francis N., J. L. Wasco, and K. C. Kauer, assignors to The Dow Chemical Company, Midland, Mich. Catalytic conversion of polychlorocychohexanes to polychlorobenzene. 2,569,441, Oct. 2.
Ambrosino, John, and M. Pascale, Flushing, N. Y. Skirt hanger. 2,570,043, Oct. 2.
American Bosch Corporation, assignee: *See*— Gewinner, Walter J.
American Car and Foundry Company, assignee: *See*— Parsons, George B.
American Cyanamid Company, assignee: *See*— Cook, Elmer W., Hook, and Kushner.
American-La France-Foamite Corporation, assignee: *See*— Hicks, Reginald. Lindsay, Charles H.
American Optical Company, assignee: *See*— Gagnon, Louis L. Noelle, Conrad J.
American Steel Foundries, assignee: *See*— Quinn, Frank P. Schlegel, Walter L., Jr.
American Telephone and Telegraph Company, assignee: *See*— Benner, Archie C., and Guest. Eggensperger, Arlo B. Fay, Frank H.
Anderegg, Edward W., West De Pere, Wis. Holder for selectively suspending a hammock. 2,569,596, Oct. 2.
Andersag, Hans, Wuppertal-Elberfeld, and H. Mauss, Wuppertal-Barmen, Germany, assignors to Schenley Industries, Inc., New York, N. Y. 2-amino-4-methyl pyrimidines and preparing same. 2,570,087, Oct. 2.
Andersen, Hans, Detroit, Mich. Rope sling. 2,569,912, Oct. 2.
Anderson, Carl E., Chicago, assignor to Callen Manufacturing Corporation, Maywood, Ill. Automatic cap pistol. 2,569,913, Oct. 2.
Anderson, William T., Jr., Maplewood, assignor to Hanovia Chemical and Mfg. Company, Newark, N. J. Ultraviolet irradiation. 2,569,793, Oct. 2.
Anderson, Wilmer C., assignor to Deering Milliken Research Trust, Greenwich, Conn. Electronic textile control device. 2,569,442, Oct. 2.
Appleton, Arthur I., assignor to Appleton Electric Company, Chicago, Ill. Cover clamp. 2,569,914, Oct. 2.
Appleton Electric Company, assignee: *See*— Appleton, Arthur I.
Applied High Frequency Limited, assignee: *See*— Autie, Edward G., and Johnes.
Armistead, William H., assignor to Corning Glass Works, Corning, N. Y. Low-expansion lead-borosilicate glass of high chemical durability. 2,570,020, Oct. 2.
Arnold, Walter E., and G. E. Caton, Crockett, Tex. Feed works for sawmills. 2,569,794, Oct. 2.
Arrigoni, Mike A., St. Paul, Minn. Jig and carrier for building blocks. 2,569,966, Oct. 2.
Arseneault, James E., assignor to O. L. Buell, Worcester, Mass. Child's bib. 2,569,915, Oct. 2.
Artzt, Maurice, and C. J. Young, Princeton, N. J., assignors to Radio Corporation of America. Facsimile system and apparatus. 2,569,648, Oct. 2.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Protecting unit for oil filled submergible motors. 2,569,741, Oct. 2.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Valve. 2,569,967, Oct. 2.
Austin, Charles H., Tarrant, Ala. Safety bathing jacket. 2,569,742, Oct. 2.
Autie, Edward G., and F. W. Johnes, assignor to Applied High Frequency Limited, London, England. Flash control electrode. 2,569,968, Oct. 2.
Automatic Electric Laboratories, Inc., assignee: *See*— Balser, Harvey W., and Ostline.
Avco Manufacturing Corporation, assignee: *See*— Wedig, Frank L.
Avery, Hillard M., Indianapolis, Ind. Scalp-treating device. 2,569,795, Oct. 2.
Aviation Developments Limited, assignee: *See*— Cooke, Arthur H., and Mumford.
Avinger, Ernest C., and T. T. Murphy, Wando, S. C. Machine for cutting logs into sections. 2,569,878, Oct. 2.
Axe, William N.: *See*— Benedict, Bruce C., and Axe.
Babcock & Wilcox Company, The, assignee: *See*— Rivera, Heyward.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph storage system. 2,569,443, Oct. 2.
Baer, Edward G., assignor to The Will-Burt Company, Orrville, Ohio. Coal metering and cleanout block for stokers. 2,569,969, Oct. 2.
Bailey, Christopher E. G., London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Control system for electronic decoders. 2,569,970, Oct. 2.
Bailey, Francis M., Scotia, N. Y., assignor to General Electric Company. Direct-current amplifier. 2,570,088, Oct. 2.
Bailey, Joseph W., Sr., Murphy, N. C. Fire escape device. 2,569,597, Oct. 2.
Baines, Richard H., T. Eccles, and S. M. Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,569,649, Oct. 2.
Baker Oil Tools, Inc., assignee: *See*— Baker, Reuben C. Ragan, Thomas M.
Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Vernon, Calif. Valve control for well tools. 2,569,437, Oct. 2.
Baldé, Ulysse L. G., assignor to Société Anonyme: Compagnie Industrielle de Machines Automatiques de Comptabilite, Paris, France. Flexible connection box for tabulators. 2,569,879, Oct. 2.
Ballantyne, Norman Z., Orofino, Idaho. Beam amplifier tube. 2,569,971, Oct. 2.
Balzer, Harvey W., Downers Grove, and J. E. Ostline, assignors to Automatic Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system involving separate operator and subscriber register sender apparatus. 2,569,650, Oct. 2.
Bannan, Philip L., Seattle, Wash., assignor to Western Gear Works. Power-transmitting mechanism for narrow-gauge tractors. 2,569,651, Oct. 2.
Banning, Thomas A., Jr., Chicago, Ill. Propeller pitch control. 2,569,444, Oct. 2.

Barber-Colman Company, assignee: *See*—
Drake, Russell P.

Barker, Eules: *See*—
Kirtner, Bud E., Barker, Williams, and Jackson.

Barnes, Charles E., Jr.: *See*—
Barnes, Charles E., Sr., and Charles E., Jr.

Barnes, Charles E., Sr., and Charles E., Jr., Philadelphia, Pa., assignors to United States Rubber Company, New York, N. Y. Surface metal raceway. 2,569,916, Oct. 2.

Barrick, Paul L., Boulder, Colo., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Imidohalides and preparing them and their hydrolysis products. 2,569,349, Oct. 2.

Barry, Arthur J., and J. W. Gilkey, assignors to Dow Corning Corporation, Midland, Mich. Carboxyphenylpolysiloxane-polyhydric alcohol copolymers. 2,570,090, Oct. 2.

Barters, Incorporated, assignee: *See*—
Lee, Ira G.

Barton, Charles K., Jr., and F. Tamaro, Paterson, N. J. Combination dispenser allowing selective discharge therefrom by orientation. 2,570,089, Oct. 2.

Barton, Hugh M., Jr., Brooklyn, N. Y., assignor to Phillips Petroleum Company. Tube socket for printed circuits. 2,569,550, Oct. 2.

Bata, Narbdni P., assignee: *See*—
Malek, Josef.

Batik, Josef, Prague, Cbechoslovakia. Hollow grate bar assembly. 2,569,438, Oct. 2.

Bay West Paper Company, assignee: *See*—
Peacock, Finley C., and Engel.

Beach, Harold W., Abilene, Kans. Parts cleaning machine. 2,570,021, Oct. 2.

Beasley, French & Company Limited, assignee: *See*—
French, Gordon W.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Brake control mechanism for crane type vehicles. 2,569,445, Oct. 2.

Beldin, Royal L.: *See*—
Roesce, Merrill W., and Beldin.

Bell Punch Company Limited, assignee: *See*—
Webb, Christopher F.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M.
Locke, George A.

Bendix Aviation Corporation, assignee: *See*—
Dingman, Glen H.
Sloane, Robert W.

Benedict, Bruce C., and W. N. Axe, Bartlesville, Okla., assignors ot Phillips Petroleum Company. Propane fractionation of reduced crude oil with recycle of a solvent extract. 2,570,044, Oct. 2.

Benner, Archie C., and W. L. Guest, Chicago, Ill., assignors to American Telephone and Telegraph Company. Two-wire test clip. 2,569,972, Oct. 2.

Bennett, Robert B., Akron, Ohio. Rolling and rockable toy. 2,570,091, Oct. 2.

Berg, Leo F., Oak Park, assignor to Hot Point Inc., Chicago, Ill. Oven vent for ranges. 2,569,652, Oct. 2.

Berger, Meyers M., Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Control device for hydraulic presses. 2,570,092, Oct. 2.

Berggren, Per J., Ridgefield, Conn. Microfilm projector. 2,569,918, Oct. 2.

Bergmann, Andrew, Cheektowaga, N. Y. Arc lamp and the like. 2,569,917, Oct. 2.

Bergstrom, Carl P., Millbury, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reed adjustment for looms. 2,569,880, Oct. 2.

Bergstrom, Myron: *See*—
Collins, De Estin, and Bergstrom.

Berliner, Abraham, Brooklyn, assignor to Gollobin Dental Co., Inc., New York, N. Y. Dental instrument construction. 2,569,844, Oct. 2.

Bertrand, Joseph V., Brooklyn, N. Y., and G. S. Shaw, Greenwich, Conn., assignors to Hydropress, Incorporated, New York, N. Y. High-frequency dielectric heating. 2,569,919, Oct. 2.

Beukema, Willem: *See*—
Van Loon, Carel J., and Beukema.

Bibby, Alfred T., and H. A. Dukett, Lynn, Mass. Painting shoe buckles. 2,570,093, Oct. 2.

Bickel, Ferdinand D. W., H. A. Lewis, Wilmington, Del., and R. H. Mecklenborg, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Blasting device. 2,569,511, Oct. 2.

Biggs, John H.: *See*—
Foster, John C., Sr., Bigga, and Foster.

Bigwood, Joshua, & Son, Limited, assignee: *See*—
Tinley, Ernest L., and Cartwright.

Bishop, Homer L., assignee: *See*—
Fort, William H.

Bishop Manufacturing Corporation, assignee: *See*—
Selby, Harold E.

Bishop-Stansell Company, assignee: *See*—
Fort, William H.

Black, Morris B., Brooklyn, N. Y. Bed sheet. 2,569,627, Oct. 2.

Blake, William P., assignor to K & B Manufacturing Company, Fairmont, Okla. Mud mixing machine. 2,569,439, Oct. 2.

Bleachers' Association Limited, assignee: *See*—
Melville, Alexander.

Bloomer Bros. Company, assignee: *See*—
Tobey, Leon H.

Bock, Louis H.: *See*—
De Benneville, Peter L., and Bock.

Boedecker, Fred R., assignee: *See*—
Boedecker, Fred R.

Boedecker, Peggy, administratrix: *See*—
Boedecker, Robert.

Boedecker, Robert, deceased; P. Boedecker administratrix of said R. Boedecker, assignor to F. R. Boedecker, Tacoma, Wash. Vertically adjustable scaffold carriage. 2,569,653, Oct. 2.

Boeing Airplane Company, assignee: *See*—
Skidmore, Wallace E., Person, and Terdina.

Bojanower, Albert M., and R. D. Spearman, Downey, Calif. Effecting print roll register in multicolor printing presses. 2,570,045, Oct. 2.

Bonvillian, Claude A., Wynnewood, R. C. Brierly, Narberth, and S. Letvin, Philadelphia, Pa. Apparatus for the combustion of fuel, including a tubular walled combustion chamber. 2,569,446, Oct. 2.

Bookhultz, Donald H.: *See*—
Zweifel, George E., and Bookhultz.

Borglin, Joseph N., and P. A. Ray, assignors to Hercules Powder Company, Wilmington, Del. Hydrogenated rosin acid soaps in butadiene-hydrocarbon aqueous emulsion polymerization. 2,569,447, Oct. 2.

Borglin, Joseph N., Wilmington, Del., and P. A. Ray, Lakewood, Colo., assignors to Hercules Powder Company, Wilmington, Del. Dehydroabietic acid salts as emulsifiers in aqueous diolefin polymerization. 2,569,448, Oct. 2.

Borglin, Joseph N., Wilmington, Del., and P. A. Ray, Denver, Colo., assignors to Hercules Powder Company, Wilmington, Del. Aqueous emulsion polymerization of styrene in the presence of a salt of dehydroabietic acid. 2,569,449, Oct. 2.

Bottum, Edward W., assignor to Skuttle Manufacturing Company, Detroit, Mich. Air humidifier and mounting means therefor for application to duct walls. 2,569,512, Oct. 2.

Bouton, Hiram M., South Norwalk, assignor to The Norwalk Clamp Corporation, Norwalk, Conn. Clamp. 2,569,450, Oct. 2.

Boyd-Barrett, Herbert S., Sale, J. R. Holker, Monton, and H. Steiner, Eccles, assignors to Petrocarbon Limited, London, England. Production of chlorinated methyl naphthalenes. 2,570,022, Oct. 2.

Boyd-Welsh, Inc., assignee: *See*—
Jonas, Gilbert F.

Bradley, Fred E., Ferguson, Mo. Pivoted side jaw wrench having arcuate guide slot and longitudinally slidable actuator. 2,569,551, Oct. 2.

Bradley, Harris W., Bellefonte Heights, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Alkyloiamine and morpholine salts of polymerized olefin sulfonic acids. 2,570,094, Oct. 2.

Brandt, Preston L.: *See*—
Adams, Leon M., Brandt, Lee, and Wadsworth.

Brassel, Jakob: *See*—
Widmer, Willy, and Brassel.

Bridwell, William H., Tulsa, Okla. Wire clothespin. 2,569,552, Oct. 2.

Brierly, Ralph C.: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Briggs, Stanley M., Pacific Palisades, F. T. Driscoll, Inglewood, and C. D. Smith, Santa Monica, Calif. Ball painting machine. 2,569,705, Oct. 2.

Bristol Laboratories Inc., assignee: *See*—
Granatek, Alphonse P.

Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine. 2,569,706, Oct. 2.

Brogden, Jack: *See*—
Edwardh, Ross, and Brogden.

Broos, Henricus A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Low-frequency amplifying arrangement. 2,569,973, Oct. 2.

Brown, Glenn A.: *See*—
Hamel, Edward C., Brown, and Pond.

Brown, Lawrence S.: *See*—
Newell, William H., Tear, and Brown.

Browne, Jack, assignor, by mesne assignments, to Diving Equipment and Supply Co., Milwaukee, Wis. Diving suit. 2,569,451, Oct. 2.

Browning, Richardson O., North Hollywood, Calif. Pendulum inclinometer for sighting instruments. 2,569,796, Oct. 2.

Brush, Corning S., assignor to Monnier Brothers, Inc., Algonac, Mich. Lubricator for air lines. 2,569,553, Oct. 2.

Buchanan, J. D., Burbank, Calif. Four-way valve. 2,569,598, Oct. 2.

Buck, Allen C., New Brunswick, and J. F. Conlon, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating compositions and applying same to glass. 2,569,920, Oct. 2.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Fluted axle housing. 2,569,452, Oct. 2.

Bucklen, Herbert E., III, and G. L. Weimer, assignors to Durakool, Inc., Elkhart, Ind. Mercury switch and relay. 2,570,095, Oct. 2.

Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O.
Lonngren, Bruno L.
Thierry, John A.

Buehler, Arthur: *See*—
Widmer, Willi, and Buehler.

Buell, Olive L., assignee: *See*—
Arseneault, James R.

Burge, James S., Anderson, H. J. McKee, Middletown, and R. M. Goodwin, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Machine for taping electrical coils. 2,569,513, Oct. 2.

Burklin, Adolf J., Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis. Single axial port gas burner with two-stage mixing. 2,569,514, Oct. 2.

Burns, Charles W., Chicago, Ill. Record cabinet. 2,570,046, Oct. 2.

Burroughs, Edwin E., Brooklyn, assignor to St. Regis Paper Company, New York, N. Y. Bag bottomer. 2,570,047, Oct. 2.

Buttolph, Doyle D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Fluid dispensing system. 2,569,554, Oct. 2.

Cage, John M., Montclair, N. J. Cathode-ray tube. 2,569,654, Oct. 2.

Cage, John M., Montclair, assignor to Cage Projects, Inc., Union City, N. J. Condenser. 2,569,655, Oct. 2.

Cage Projects, Inc., assignee: *See*—
Cage, John M.

Caldwell, John R.: *See*—
Hagemeyer, Hugh J., Jr., Oglesby, and Caldwell.

Calkin, Frank G., Glen Rock, N. J., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Facsimile wet electrolytic recording. 2,570,096, Oct. 2.

Callen Manufacturing Corporation, assignee: *See*—
Anderson, Carl E.

Cambridge Thermionic Corporation, assignee: *See*—
Frondel, Clifford.

Campbell, Paul J., assignor to United Aircraft Corporation, East Hartford, Conn. Velocity measuring device. 2,569,974, Oct. 2.

Campbell, Samuel J., Green Bay, Wis. Toilet roll winder. 2,569,797, Oct. 2.

Carbary, Richard J., Erie, Pa., assignor to General Electric Company. Shelf supporting arrangement. 2,570,097, Oct. 2.

Cardell, Olof, Detroit, Mich., assignor of one-half to Sven Goran Kihlberg, Hjo, Sweden. Motion mechanism. 2,569,707, Oct. 2.

Carlock, Marion P., Los Angeles, Calif. Device to promote nasal breathing and prevent snoring. 2,569,743, Oct. 2.

Carlson, Carl S., Elizabeth, and M. W. Swaney, Westfield, N. J., assignors to Standard Oil Development Company. Parasiticidal steam-cracked oil emulsion concentrate. 2,570,023, Oct. 2.

Carlstedt, Ragnar, Stockholm, Sweden. Fluid expansion thermostat. 2,570,098, Oct. 2.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Cartridge feeding device. 2,569,798, Oct. 2.

Carroll, Fred M., Binghamton, and A. F. Smith, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record sorting device. 2,569,799, Oct. 2.

Cartwright, Frank: *See*—
Tinley, Ernest L., and Cartwright.

Casco Products Corporation, assignee: *See*—
Cone, Joseph H.

Case, J. I., Company, assignee: *See*—
Morrissey, Patrick W.

Cassidy, Robert C., Fairlawn, J. F. Schreiber, Passaic, and E. D. F. Tidd, Clinton, N. J., assignors to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,569,921, Oct. 2.

Cataldo, John B., Bernardsville, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Electrically modulated valve. 2,569,800, Oct. 2.

Caton, George R.: *See*—
Arnold, Walter E., and Caton.

Caulk, L. D., Company, The, assignee: *See*—
Knock, Frances E.

Cecka, Thomas G., assignor to International Milling Company, Minneapolis, Minn. Multiple stand roller mill with worm and worm wheel drive to each roll. 2,569,744, Oct. 2.

Celanese Corporation of America, assignee: *See*—
Baines, Richard H., Eccles, and Fulton.
Salvin, Victor S., and Adams.

Centofanti, Emanuele, Youngstown, Ohio. Toy merry-go-round. 2,569,922, Oct. 2.

Chain Belt Company, assignee: *See*—
Imse, Philip J.
Viall, George K.

Chanslor, Eileen B., and H., Los Angeles, Calif. Utility frame. 2,569,555, Oct. 2.

Chanslor, Hal: *See*—
Chanslor, Eileen B. and H.

Chapman Forest Utilisation, Inc., assignee: *See*—
Chapman, Ralph.

Chapman, Ralph, assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg. Forming tower with sliding valve. 2,570,099, Oct. 2.

Charpentier, Paul, Choisy-le-Roi, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of substituted barbituric acids and intermediates therefor. 2,570,024, Oct. 2.

Cheney, Harry A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Halogenated unsaturated hydrocarbon production. 2,569,923, Oct. 2.

Chesnut, John D.: *See*—
Dale, Orie, O., and Chesnut.

Chester, Allan E., Highland Park, and I. H. Schram, Jr., Waukegan, assignors to Poor & Company, Chicago, Ill. Vitreous enamel base stock, vitreous enameled articles and method. 2,569,453, Oct. 2.

Chissom, Gordon A., and A. W. Gordon, Leesburg, Fla. Apparatus for treating the contents of closed containers. 2,569,656, Oct. 2.

Ciba Limited, assignee: *See*—
Felix, Friedrich, Heckendorn, and Widmer.
Widmer, Willi, and Buehler.
Widmer, Willy, and Brassel.

Cities Service Oil Company, assignee: *See*—
Hughes, William B., and Newcombe.

Codman, F. L., & J. C., Company, assignee: *See*—
Hall, Elisha W., and Rock.

Coggeshall, Almy D.: *See*—
Scott, Benjamin B., and Coggeshall.

Cole, Donald L., Groton, Conn. Slide rule. 2,569,454, Oct. 2.

Cole, Ralph M., assignor to Kawneer Company, Niles, Mich. Awning construction. 2,569,599, Oct. 2.

Coleman, Irwin W.: *See*—
Rogers, George T., and Coleman.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Vacuum tube mixing circuits. 2,569,924, Oct. 2.

Collardeau, Georges: *See*—
Fluchaire, Maurice L. A., and Collardeau.

Collins, De Estin, and M. Bergstrom, Willard, Mont. Subsoil plow. 2,569,556, Oct. 2.

Collins, Donley S., assignor to A. O. Smith Corporation, Milwaukee, Wis. Damper for clothes driers. 2,569,515, Oct. 2.

Collins, John A., Worcester, Mass. Fish lure. 2,570,100, Oct. 2.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Newman, Douglas A.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Gutton, Henri, and Ponte.
Polonsky, Joseph.

Conary, Robert E.: *See*—
Agnew, Robert J., and Conary.

Conciatori, Anthony: *See*—
Reynolds, William B., Kraus, and Conciatori.

Cone, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Fire extinguisher. 2,569,975, Oct. 2.

Conlon, Joseph F.: *See*—
Buck, Allen C., and Conlon.

Connelly, John H., assignor to Southwest Airways Company, Phoenix, Ariz. Loading aircraft. 2,569,557, Oct. 2.

Cook, Elmer W., New York, N. Y., E. O. Hook, Old Greenwich, Conn., and S. Kushner, Nanuet, assignors to American Cyanamid Company, New York, N. Y. Preparation of aslactones of phenylacetamino acrylic acids. 2,569,801, Oct. 2.

Cook, Wayne S., Grand Rapids, Mich., assignor to Sackner Products, Inc. Filter element. 2,569,745, Oct. 2.

Cooke, Arthur H., Brentry, near Bristol, and R. H. Mumford, Bushey, assignors to Aviation Developments Limited, London, England. Tool for marking animals' ears for identification. 2,570,048, Oct. 2.

Cooley, Lenore B., deceased, New York, N. Y.; The First National Bank of Santa Fe, Santa Fe, N. Mex., executor. Child's garment. 2,569,845, Oct. 2.

Corah, N., & Sons Limited, assignee: *See*—
Harris, Thomas.

Cormier, Leo H., Detroit, Mich. Height gauge. 2,569,558, Oct. 2.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Deeley, Paul M.

Cornell, Paul W., Mount Lebanon, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Starting a unit for high-temperature reactions. 2,569,846, Oct. 2.

Corning Glass Works, assignee: *See*—
Armistead, William H.
De Voe, Charles F.
Gulliet, John P.
Spremulli, Paul F.

Corsi, Telemaco, and L. Picchioni, Rome, Italy. Optical system for the determination of the focal point. 2,569,516, Oct. 2.

Corson, Almon J.: *See*—
Hoare, Stephen C., and Corson.

Couling, Stephen A., Rugby, England, assignor to General Electric Company. Gearing arrangement for supercharged power plant. 2,570,101, Oct. 2.

Craighead, Philip B., Milwaukee, and G. H. Nelson, Wauwatosa, assignors to Safway Steel Products, Inc., Milwaukee, Wis. Demountable crane. 2,569,628, Oct. 2.

Crippen, Herbert O., Sr., Chicago, Ill., assignor to Piano Celle-Tone Company. Piano resonating chamber. 2,570,102, Oct. 2.

Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P.
Turner, Richard G.

Culbertson, James B., Lockport, H. D. Erasmus, Lewiston, and R. M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Making furfuryl silicate. 2,569,455, Oct. 2.

Culbertson, James B., Lockport, H. D. Erasmus, Lewiston, and R. M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Preparing phenyl silicates from phenols and SiS_2. 2,569,746, Oct. 2.

Culbertson, James B., Lockport, H. D. Erasmus, Lewiston, and R. M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation. Reaction of aliphatic polyhydric alcohols and chlorohydrins with SiS_2. 2,569,747, Oct. 2.

Cushing, Russell E., and R. L. Swenson, Wyandotte, Mich., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Control device. 2,569,456, Oct. 2.

Dale, Orie O., Bakersfield, and J. D. Chesnut, San Marino, assignors to International Cementers, Inc., Long Beach, Calif. Bridging plug for wells and the like. 2,569,457, Oct. 2.

Dana Corporation, assignee: *See*—
Theander, W. Vicent.

Daniels, Flavius K., assignor to Vickers-Armstrongs Limited, London, England. Automatically and intermittently feeding blanks of cardboard or similar sheet material. 2,569,776, Oct. 2.

Daniels, James W., Fort Myers, Fla. Inboard power unit for shallow draft boats. 2,569,802, Oct. 2.

Davidson, Trevor O., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Front end for excavating machines. 2,569,458, Oct. 2.

Davies, Robert H., assignor to The Parker Appliance Company, Cleveland, Ohio. Remotely controlled reversing valve. 2,569,881, Oct. 2.

Davis, Alto J., Montgomery, Ala. Expander ring for combustion engines. 2,569,601, Oct. 2.

Davis, George P., Durham, N. C. Finger nail clipper. 2,570,025, Oct. 2.

Dayton Rubber Company, The, assignee: *See*—
Trube, Robert C.

Dearborn Chemical Company, assignee: *See*—
Frank, Harry E., and Hanson.
Gunderson, Lewis O.

De Beauregard, Amédée C., assignor to Specialties, Inc., Syosset, N. Y. Winding machine. 2,569,657, Oct. 2.

De Beauregard, Amédée C. Paris, France, assignor to Specialties, Inc. Syosset, N. Y. Variable-speed control device. 2,569,658, Oct. 2.

De Benneville, Peter L., Philadelphia, Pa., and L. H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa. Bis (alkylbenzyl) dimethyl ammonium halides. 2,569,803, Oct. 2.

De Bothezat, George, deceased, by W. Washburn, coexecutor, New York, and J. R. de Bothezat, coexecutrix, Larchmont, assignors to Helicopter Corporation of America, Flushing, N. Y. Control and support connection for helicopter rotor systems. 2,569,882, Oct. 2.

De Bothezat, Julia R., co-executrix: *See*—
De Bothezat, George.

Deeley, Paul M., North Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Terminal block for electrolytic capacitors. 2,569,925, Oct. 2.

Deere & Company, assignee: *See*—
Zoecon, Merrill W., and Beldin.

Deering Milliken Research Trust, assignee: *See*—
Anderson, Wilmer C.
Klein, Norman E.

De Grave, Thomas, Chicago, Ill. Strainer apparatus. 2,569,748, Oct. 2.

De Groot, Charles T., Ballston Lake, N. Y., assignor to General Electric Company. Evacuating and gas charging apparatus. 2,570,103, Oct. 2.

Delaney, Thomas W., St. Paul, Minn. Machine for cutting contours in pipe sections for joining main and branch pipes at a desired angle. 2,570,026, Oct. 2.

De Leon, John, Ridgewood, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Magnet for cathode-ray tube ion traps. 2,569,517, Oct. 2.

Densel, Robert C., Convoy, Ohio. Fuel oil space heater. 2,570,049, Oct. 2.

De Ramaer, Frank C., Bridgeport, and J. M. Pistey, Fairfield, Conn., assignors to General Electric Company. Lamp socket for elongated tubular discharge lamps. 2,570,104, Oct. 2.

Deutsch, Fritz A., Caracas, Venezuela. Calculating machine. 2,569,804, Oct. 2.

Deutsch, Simon, and R. A. Manning, assignors to Moe-Bridges Corporation, Sheboygan, Wis. Mounting enclosure for lighting fixtures. 2,569,518, Oct. 2.

Devillers, René, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Adjustable power transmission. 2,569,559, Oct. 2.

De Voe, Charles F., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for stirring glass. 2,569,459, Oct. 2.

Dick, A. B., Company, assignee: *See*—
Stephenson, Paul A.

Dickinson, Henry R., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich. Releasable float. 2,569,977, Oct. 2.

Dieter, Louis V., assignee: *See*—
Hall, Charles G.

Dietert, Harry W., and R. E. Steinmueller, assignors to Harry W. Dietert Company, Detroit, Mich. Moisture teller. 2,569,749, Oct. 2.

Dietert, Harry W., Company, assignee: *See*—
Dietert, Harry W., and Steinmueller.

Dillens, William J., Philadelphia, Pa. Fastening device for belts. 2,569,750, Oct. 2.

Dingman, Glen H., Sidney, assignor to Bendix-Aviation Corporation, New York, N. Y. Magneto. 2,569,460, Oct. 2.

Dingman, Glen H., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Magneto. 2,569,461, Oct. 2.

Diving Equipment and Supply Co., assignee: *See*—
Browne, Jack.

Doelling, George L., St. Louis, and K. H. Adams, Fenton, assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo. Ethers and organic substances plasticized therewith. 2,569,883, Oct. 2.

Dombek, Blanche M., New York, N. Y. Comb hair lock. 2,569,659, Oct. 2.

Donovan, Raymond A.: *See*—
Levy, Max H., and Donovan.

Doty, Charles R., Yonkers, H. J. Klots, Endicott, and T. D. Keranye, Vestal, assignors to International Business Machines Corporation, New York, N. Y. Typewriter and card punch combination. 2,569,805, Oct. 2.

Dow Chemical Company, The, assignee: *See*—
Alquist, Francis N., Wasco, and Kauer.
Leontis, Thomas E.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J., and Gilkey.

Dow, Walter K., Longmeadow, Mass. Measuring and gauging device. 2,569,660, Oct. 2.

Downs, Henry W., Jr., Lennoxville, Quebec, Canada. Sealing strip for pulp and other types of screen plates. 2,569,708, Oct. 2.

Drake, Arthur E., Hockessin, assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerisation of unsaturated organic compounds. 2,569,462, Oct. 2.

Drake, Arthur E., Hockessin, assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerisation of unsaturated organic compounds. 2,569,884, Oct. 2.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Bobbin winding machine. 2,569,661, Oct. 2.

Dravo Corporation, assignee: *See*—
Schwartz, Daniel M.

Dressler, Albert, Jr.: *See*—
Fowler, Arthur E., and Dressler.

Drewry, Gordon D., West Henrietta, N. Y. Wristband. 2,569,885, Oct. 2.

Driscoll, Frederick T.: *See*—
Briggs, Stanley M., Driscoll, and Smith.

Dube, John E., and E. Jones, St. Louis County, assignors to Alco Valve Company, University City, Mo. Three-way valve. 2,569,751, Oct. 2.

Dugan, Catherine M., Detroit, Mich. Hair-drying hood. 2,569,600, Oct. 2.

Dukett, Herbert A.: *See*—
Bibby, Alfred T., and Dukett.

Duluk, Stanley: *See*—
Mackie, Harry A., and Duluk.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
De Leon, John.
Rutherford, Robert E.

Duncan Electric Manufacturing Company, assignee: *See*—
Paine, Louis A.

Dunlap, Harper E., Walled Lake, Mich. Double-action door holder. 2,569,806, Oct. 2.

Dunlap, Lawrence E., Carrollton, Ohio. Pipe gripping tool. 2,569,978, Oct. 2.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Polymerising furfuryl alcohol. 2,570,027, Oct. 2.

Dunlop, Andrew P., Riverside, and P. R. Stout, Chicago, Ill., assignors to The Quaker Oats Company. Ammonium thiocyanate-partially resinified furfuryl alcohol resins. 2,570,028, Oct. 2.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Barrick, Paul L.
Bickel, Ferdinand D. W., Lewis, and Mecklenborg.
Bradley, Harris W.
Buck, Allen C., and Conlon.
Hamilton, Jefferson M., Jr.
Izard, Emmette F.
Lyon, Donald W.
Rodman, Ernest A.
Terry, Edward J., and McCormick.

Durakool, Inc., assignee: *See*—
Bucklen, Herbert E., III, and Weimer.

Durfee, Charles G., Teaneck, N. J., and G. E. Ferguson, Spring Valley, N. Y., assignors to Pyrene Manufacturing Company, Newark, N. J. Fire extinguishing liquids and process. 2,569,979, Oct. 2.

Earwicker, George A.: *See*—
Main-Smith, John D., and Earwicker.

Eastman, Du Bois, Montebello, Calif., assignor to The Texas Company, New York, N. Y. Treatment of naphtha containing oxygenated compounds. 2,569,463, Oct. 2.

Eastman Kodak Company, assignee: *See*—
Hagemeyer, Hugh J., Jr., Oglesby, and Caldwell.
Wittel, Otto.

Eastman Oil Well Survey Company, assignee: *See*—
Goble, Ralph W.

Easton, Erving E.: *See*—
Hoover, George W., and Easton.

Eaton Manufacturing Co., assignee: *See*—
Gamundi, Reynold F.

Ebert, Max E.: *See*—
Schoenster, Peter J., and Ebert.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Condensation products of tertiary alkyl mercaptans and alkylene oxides. 2,570,050, Oct. 2.

Eby, Lawrence T., Roselle, N. J., assignor to Standard Oil Development Company. Insecticidal compositions containing beta-(tertiary-alkyl thio) alkanols. 2,570,051, Oct. 2.

Eccles, Thomas: *See*—
Baines, Richard H., Eccles, and Fulton.

Edgar Brothers Company, assignee: *See*—
Leek, Thomas G.

Edwards, James R.: *See*—
Quear, Eugene C., Shaw, and Edwards.

Edwards, Ross, and J. Brogden, Lubbock, Tex. Agricultural crust busting implement. 2,569,464, Oct. 2.

Eggensperger, Arlo R., Tenafly, N. J., assignor to American Telephone and Telegraph Company. Motor control for signal responsive selector mechanism. 2,569,980, Oct. 2.

Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.

Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., and McCullough.
Eitel, William W., and Wolfe.

Eitel, William W., Woodside, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. High-frequency tetrode with built-in capacitor. 2,569,947, Oct. 2.

Eitel, William W., Woodside, and M. E. Wolfe, Burlingame, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube seal structure. 2,569,848, Oct. 2.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.

Electronbeams, Ltd., assignee: *See*—
Ziebols, Herbert.

Elgear, Frederick N.: *See*—
Greaves, Pulford J., and Elgear.

Ellor, Joseph W., East Orange, N. J. Automatic transmission mechanism. 2,569,961, Oct. 2.

Elmendorf, Armin, Winnetka, Ill. Making a flexible wood floor covering. 2,569,709, Oct. 2.

Elstad, Clayton M., Minneapolis, Minn. Electric marking machine. 2,569,807, Oct. 2.

Elwell-Parker Electric Company, The, assignee: *See*—
Abbe, Edward J.

Emerson, John H., Cambridge, Mass. Apparatus for measuring the volumes of periodically recurring fluid flows. 2,569,849, Oct. 2.

Empire Box Corporation, assignee: *See*—
Kowal, Michael H.

Engel, John B.: *See*—
Peacock, Finley C., and Engel.

Ensign, Wesley N., Jr., Babylon, N. Y. Mine. 2,569,808, Oct. 2.

Erasmus, Hendrik D.: *See*—
Culbertson, James B., Erasmus, and Fowler.

Estel, George A., Jr., assignor to Globe Hoist Company, Des Moines, Iowa. Chock mechanism for vehicle lifts. 2,569,982, Oct. 2.

Everitt, Orphius F., Elyria, Ohio. Coin-holding device. 2,569,629, Oct. 2.

FKG Fritz Kesselring Geriätebau Aktiengesellschaft, Bachtobel-Weinfelden: *See*—
Kesselring, Fritz.

Fairbanks, Morse & Co., assignee: *See*—
Miner, Howard W.

Falconer, Robert W., Lancaster, N. Y., assignor to ATF Incorporated. Elisabeth, N. J. Crimping device. 2,569,850, Oct. 2.

Fallek, Joseph, Chicago, Ill. Lamp socket having means to releasably lock the end of a fluorescent lamp therein. 2,569,662, Oct. 2.

Farr, Lloyd A., Inglewood, Calif. Fish lure. 2,569,465, Oct. 2.

Farrell, Robert A., Menasha, assignor to Marathon Corporation, Rothschild, Wis. Leakproof and giftproof package. 2,569,851, Oct. 2.

Favre, Alexandre, Marseille, assignor, by mesne assignments, to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France. Aircraft wing flap with a leading edge roller. 2,569,983, Oct. 2.

Fay, Frank H., Huguenot Park, N. Y., assignor to American Telephone and Telegraph Company. Two-wire double commutation telegraph system. 2,569,926, Oct. 2.

Felix, Friedrich, and A. Heckendorn, Basel, and W. Widmer, Bottmingen, assignors to Ciba Limited, Basel, Switzerland. Monoazo dyestuffs. 2,570,052, Oct. 2.

Felt & Tarrant Manufacturing Company, assignee: *See*—
Niemann, Frederick A.

Ferguson, George E.: *See*—
Durfee, Charles G., and Ferguson.

Ferguson, Ray E., Lynnfield Center, assignor to H. K. Porter, Inc., Somerville, Mass. Tool for reshaping deformed automobile body parts. 2,569,519, Oct. 2.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Extractive crystallisation process. 2,569,984, Oct. 2.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Thiourea-ketone complexes. 2,569,985, Oct. 2.

Fetterly, Lloyd C., Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif. Extractive crystallization process. 2,569,986, Oct. 2.

Fields, Carleton M.: *See*—
Nevin, Robert S., Sr., and Fields.

Fijn-Mechanische Industrie "Becker's Sons" N. V., assignee: *See*—
Hooykaas, Johannes C.

Findley, Thomas W.: *See*—
Swern, Daniel, and Findley.

First National Bank of Santa Fe, The, executor: *See*—
Cooley, Lenore B.

Fischer, Georg, Aktiengesellschaft, assignee: *See*—
Rothschild, Hans J.

Fischer, Karl A., College Park, Md. Calculator. 2,569,466, Oct. 2.

Fisher & Ludlow Limited, assignee: *See*—
Orwin, Olaf J. B.

Fitzpatrick, Stephen L., Detroit, Mich. Fly ash precipitator. 2,569,710, Oct. 2.

Fluchaire, Maurice L. A., and G. Collardeau, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Allyl esters of 3:6-endoxo-1:2-cyclohexanedicarboxylic acid and polymers thereof. 2,570,029 Oct. 2.

Flynn, Frank M., Binghamton, N. Y. Heating method and apparatus. 2,569,809, Oct. 2.

Ford, Hannibal C., Great Neck, N. Y., assignor to The Sperry Corporation. Gun sight. 2,569,560, Oct. 2.

Forster, Leslie G., London, England. Endless chain conveyer. 2,570,030, Oct. 2.

Fort, William H., Dayton, assignor of one-half to H. L. Bishop and E. E. Stansell, doing business as Bishop-Stansell Company, West Carrollton, Ohio. Packing cylinder slide sheet. 2,569,467, Oct. 2.

Foster, Allan D., Detroit, Mich. Conveyer and switch means for checkout counters. 2,569,711, Oct. 2.

Foster, John C., Jr.: *See*—
Foster, John C., Sr., Biggs, and Foster.

Foster, John C., Sr., J. H. Biggs, and J. C. Foster, Jr., Odessa, Tex Piston type fluid brake. 2,569,712, Oct. 2.

Fowler, Arthur E., and A. Dressler, Jr., Elmira, N. Y. Walk-in-bath tub. 2,570,053, Oct. 2.

Fowler, Harwood B., Wayne, Pa. Making metal screen stencils. 2,569,752 Oct. 2.

Fowler, Robert M.: *See*—
Culbertson, James B., Erasmus, and Fowler.

Frabill Manufacturing Company, assignee: *See*—
Miller, Walter C

Frank, Bernard E.: *See*—
Hahn, Rea L., and Frank.

Frank, Harry E., and M. A. Hanson, Bloomington, assignors to Dearborn Chemical Company, Chicago, Ill. Composition for and method of determining chromate concentrations. 2,569,663, Oct. 2.

French, Gordon W., assignor to Beasley, French & Company Limited, Bedminster, England. Process and apparatus for making bags from nonfibrous sheet material. 2,569,630, Oct. 2.

Friedman, Barbara, assignee: *See*—
Friedman, Max.

Friedman, Max, New York, assignor of thirty-three and one-third per cent each to N. Speigel and B. Friedman, Bronx, N. Y. Combined film holder and drain pan for radiographic examinations. 2,569,561, Oct. 2.

Fritz, Alvin D.: *See*—
Moore, Murray L., and Fritz.

Froebe, Douglas F., Oakland, Calif. Pump and motor hydraulic transmission. 2,569,562, Oct. 2.

Frondel, Clifford, assignor to Cambridge Thermionic Corporation, Cambridge, Mass. Pressure responsive transducer. 2,569,987, Oct. 2.

Fry, Millard E., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,569,753, Oct. 2.

Fryda, Paul A., West Allis, Wis. Brush package. 2,570,105, Oct. 2.

Fulton, Stephen M.: *See*—
Baines, Richard H., Eccles, and Fulton.

Funkhouser, Mearick, and H. F. Rossman, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Flow control mechanism for shock absorbers. 2,569,520, Oct. 2.

Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Ophthalmologist's pliers. 2,570,106, Oct. 2.

Gallagher, Harry U., Chicago, Ill. Abrasive device. 2,570,107, Oct. 2.

Galliot, Charles, Milwaukee, and A. G. Olscheske, West Allis, Wis. Soft tire indicator. 2,570,108, Oct. 2.

Gamundi, Reynold F., Mayfield Heights, assignor to Eaton Manufacturing Co., Cleveland, Ohio. Actuating and parking mechanism for windshield wipers. 2,570,109, Oct. 2.

Gapinski, Victor S., Buffalo, N. Y. Device for decorating cakes. 2,569,886, Oct. 2.

Garden City Plating & Manufacturing Co., assignee: *See*— Kurtzon, Charles K.

Gardner Board and Carton Co., The, assignee: *See*— Ringler, William A.

Gardner, Clair C., Rockford, Ill. Magazine cabinet having tiltable receptacles. 2,570,054, Oct. 2.

Garratt, Walter A., assignor to P. G. Vondersmith, Covington, Ky. Sound creating device. 2,569,713, Oct. 2.

Gasdia, Alfred E., Los Angeles, Calif. Piercing device. 2,570,055, Oct. 2.

Gaugler, Edward A., Alexander, Va. Producing grain oriented ferromagnetic alloys. 2,569,468, Oct. 2.

Gebr. Bühler & Co., Aktiengesellschaft, assignee: *See*— Kramer, Helmuth, and Swoboda.

General Aniline & Film Corporation, assignee: *See*— Gunther, Robert C.
Starke, Albert C., Jr.

General Electric Company, assignee: *See*—
Bailey, Francis M.
Cartwry, Richard J.
Cooling, Stephen A.
De Groat, Charles T.
De Remer, Frank C., and Pistey.
Gosling, Joseph B.
Hallstrand, Eric A.
Hoare, Stephen C., and Corson.
Johnson, Robert H.
Maxwell, Donald E.
Petersen, Otto H.
Phillips, Roy A.
Prendergast, James J.
Schlassl, Paul O.
Scott, Benjamin B., and Coggeshall.
Vitl, John G. M.
Weber, Carl F.

General Motors Corporation, assignee: *See*—
Burpe, James S., McKee, and Goodwin.
Fry, Millard E.
Funkhouser, Mearick, and Rossman.
Hahn, Rea I., and Frank.
Hofferberth, George F.
Kunzog, Theodore W.
Mackie, Harry A., and Duluk.
Pearce, George C.
Quear, Eugene C., Shaw, and Edwards.
Reynolds, William B., Kraus, and Conciatori.
Schultz, Harold W.

Germain, John F.: *See*— Riesau, Fred and Germain.

Gersten, Samuel B., Middle Village, and J. Rashal, Brooklyn, N. Y., assignors to Practical Patent Co. Inc. Soap molding frame. 2,569,469, Oct. 2.

Gewinner, Walter J., assignor to American Bosch Corporation, Springfield, Mass. Combined mechanical and pneumatic governor. 2,569,664, Oct. 2.

Gibson, Harvey C., Lancaster, Pa. Frozen confection and making the same. 2,570,031, Oct. 2.

Giesler, William L.: *See*— Kendall, Donald G., and Giesler.

Gilkey, John W.: *See*— Barry, Arthur J., and Gilkey.

Gisholt Machine Company, assignee: *See*— Johnson, Charles H.

Glatt, Herbert, Newark, N. J. Ironing pad cover. 2,570,110, Oct. 2.

Globe Hoist Company, assignee: *See*— Estel, George A., Jr.

Gloess, Paul F. M., and L. J. Libois, Paris, France. Binary coding by successive subtractions. 2,569,927, Oct. 2.

Goble, Ralph W., Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo. Apparatus for determining the character of fluids which are present in well bores. 2,570,111, Oct. 2.

Goddard, Esther C., executrix: *See*— Goddard, Robert H.

Goddard, Robert H., deceased, Annapolis, Md., by E. C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y. Combustion apparatus, including flame type ignition means. 2,569,887, Oct. 2.

Gollobin Dental Co., Inc., assignee: *See*— Berliner, Abraham.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,570,112, Oct. 2.

Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Zero suppressing means for printing machines. 2,570,113, Oct. 2.

Gonzales, Carlos, Ciudad Trujillo, Dominican Republic. Apparatus for filling tubular receptacles with plural materials. 2,569,928, Oct. 2.

Goodnight, Austin G., Hanford, Calif. Locking a pivoted wrench jaw in slidably adjusted position. 2,569,602, Oct. 2.

Goodrich, B. F., Company, The, assignee: *See*—
Hollerith, Charles.
Leguillon, Charles W., and Hermanns.

Goodwin, Richard M.: *See*—
Burge, James S., McKee, and Goodwin.

Gordon, Albert W.: *See*—
Chissom, Gordon A., and Gordon.

Gosling, Joseph B., Milwaukee, Wis., assignor to General Electric Company. Electron flow device. 2,569,665, Oct. 2.

Gottfried, John, St. Louis, Mo. Coin selector. 2,569,603, Oct. 2.

Granatek, Alphonse P., assignor to Bristol Laboratories Inc., Syracuse, N. Y. Antihistamine salt of penicillin. 2,569,666, Oct. 2.

Grand Rapids Hardware Company, assignee: *See*— Dickinson, Henry R.

Grantham, Lloyd B., Bartlesville, Okla., assignor ot Phillips Petroleum Company. Centrifugal pump. 2,569,563, Oct. 2.

Grau, Carl L., Streator, Ill. Vending machine. 2,569,988, Oct. 2.

Greaves, Pulford J., Dearborn, and F. N. Elgear, Detroit, Mich. Electronic organ. 2,569,521, Oct. 2.

Green, Howard H., Bardwell, Tex. Welder's hood. 2,569,715, Oct. 2.

Green, James H., West Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Machine for applying specular coatings. 2,569,852, Oct. 2.

Green, Walter H., Geneva Township, Kane County assignor to Infilco Incorporated, Chicago, Ill. Coagulating apparatus. 2,570,114, Oct. 2.

Gregory, William C., Los Angeles, Calif. Strain gauge. 2,569,714, Oct. 2.

Gressley, Charles M., Harrison Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Air directing device for gun-type fuel oil burners. 2,569,754, Oct. 2.

Griffith, Everette E., Jr., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Method and apparatus for striping film. 2,569,755, Oct. 2.

Grigsby, Earl J., San Pedro, Calif. Bracket for shade rollers. 2,569,756, Oct. 2.

Grue, Louis F., Baltimore, Md. Adjustable waistband for pleated trousers. 2,569,853, Oct. 2.

Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for upsetting edges. 2,569,522, Oct. 2.

Gubson, Philip, Chicago, Ill. Heating apparatus. 2,569,757, Oct. 2.

Guercken, Nina K., executrix: *See*— Mansfield, Wilfred P., and White.

Guest, Walter L.: *See*— Benner, Archie C., and Guest.

Guggenheim, Daniel and Florence, Foundation, The, assignee: *See*— Goddard, Robert H.

Gulf Oil Corporation, assignee: *See*— Cornell, Paul W.

Gulf Research & Development Company, assignee: *See*— Gressley, Charles M.
Wyllie, Malcolm R. J.

Gulliet, John P., North Providence, R. I., assignor to Corning Glass Works, Corning, N. Y. Tube gauging and sorting machine. 2,569,564, Oct. 2.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Method and apparatus for conditioning water. 2,570,115, Oct. 2.

Gunther, Robert C., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Color developers for the production of azine dye images. 2,570,116, Oct. 2.

Gustafson, Gustaf, Yakima, Wash. Pruning implement. 2,569,888, Oct. 2.

Gutton, Henri, and M. Ponte, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Radar system. 2,569,758, Oct. 2.

Haeberlein, Max: *See*— Lancaster, John E., Haeberlein, and Schmachtenberg.

Hagan Corporation, assignee: *See*— Hopwood, John M.

Hagemeyer, Hugh J., Jr., E. L. Oglesby, and J. R. Caldwell, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Compositions comprising acrylonitrile and hydrolyzed polyvinyl acetate. 2,569,470, Oct. 2.

Hagen, Ralph: *See*— Thompson, George A., and Hagen.

Hahn, Rea I., and B. E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Tube flaring machine. 2,569,523, Oct. 2.

Halbig, Paul, Fribourg, Switzerland. Emulsion polymerization of vinyl halides. 2,570,056, Oct. 2.

Hall, Charles G., assignor of one-half to L. V. Dieter, Los Angeles, Calif. Catapulting mechanism for fish bait. 2,569,604, Oct. 2.

Hall, Elisha W., Scituate, and A. S. Rock, East Bridgewater, Mass., assignors to F. L. & J. C. Codman Company. Rotary abrading tool. 2,569,929, Oct. 2.

Hall, Geoffrey M., Oldham, England. Spray-producing apparatus for liquids. 2,569,759, Oct. 2.

Hall, Herbert J., Princeton, N. J., assignor to Research Corporation, New York, N. Y. Rectifier system control. 2,569,605, Oct. 2.

Hall Laboratories, Inc., assignee: *See*— Liddell, Robert W.

Hallstrand, Eric A., Stratford, Conn., assignor to General Electric Company. Shaft bearing. 2,570,117, Oct. 2.

Hamberger, Henry A., Rochester, N. Y. Automatic grinder for small circular saws. 2,570,118, Oct. 2.

Hamel, Edward C., Itasca, G. A. Brown, Lombard, and R. F. Pond, assignors to Teleflex Antenna Co., Chicago, Ill. Folded dipole antenna. 2,569,810, Oct. 2.

Hamilton, Jefferson M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerization of trifluorochloroethylene in the presence of silver ion, bisulfite ion and persulfate. 2,569,524, Oct. 2.

Handley, Mabel P., administratrix: *See*— Handley, Robert W., and Sawyer.

Handley, Robert W., Denver, Colo., and C. W. Sawyer, Butte, Mont.; M. P. Handley, administratrix of said R. W. Handley, deceased, assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Recovery of carnotite from its ores. 2,570,119, Oct. 2.

Handley, Robert W., Denver, Colo., and C. W. Sawyer, Butte, Mont.; M. P. Handley, administratrix of said R. W. Handley, deceased, assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission. Recovery of pitchblende and similar uranium minerals from ores of same by special flotation practice. 2,570,120, Oct. 2.

Hankins, Cyrus, and O. Ingram, Washington, D. C. Center sill filler assembly. 2,569,606, Oct. 2.

Hanna, William T., deceased, Cincinnati, Ohio; R. W. Todd, executor of said W. T. Hanna. Tender conveyer system for locomotive stokers. 2,569,811, Oct. 2.

Hanna, William T., deceased, Cincinnati, Ohio; R. W. Todd, executor of said W. T. Hanna. Tender conveyer system for locomotive stokers. 2,569,812, Oct. 2.

Hanovia Chemical & Manufacturing Company, assignee: *See*—
Anderson, William T., Jr.
Koerbis, Albert.

Hansen, Carl T.: *See*—
Hansen, Christian A., and C. T.

Hansen, Christian A. and C. T., Minden, Nev. Stacker for hay in bales. 2,569,760, Oct. 2.

Hanson, Melvin A.: *See*—
Frank, Harry E., and Hanson.

Hanson, Russell O., New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy. Listening amplifier. 2,569,930, Oct. 2.

Harbaugh, Willis E., Bareville, Pa., assignor to Radio Corporation of America. Nondeforming laminated electrode support and electron discharge device. 2,570,121, Oct. 2.

Harding, Hiram R., Baltimore, Md. Combined spigot washer and contracting liner. 2,569,471, Oct. 2.

Harding, Hiram R., Baltimore, assignor of fifty per cent to H. E. Karr, Baltimore County, Md., and twenty-five per cent to L. C. Harding, Hopewell, Va. Pressure stop nut. 2,569,989, Oct. 2.

Harding, Logan C., assignee: *See*— Harding, Hiram R.

Hardt, John, Lachine, Quebec, Canada. Vegetable paring machine. 2,569,607, Oct. 2.

Harmon, Nathan P.: *See*— Leece, John B., and Harmon.

Harris, Thomas, Birstall, near Leicester, assignor to N. Corah & Sons Limited, Leicester, England. Transfer applying machine. 2,569,631, Oct. 2.

Harter, Earl F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Surge testing. 2,569,990, Oct. 2.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bailey, Christopher E. G.
Broos, Henricus A.
Staal, Cornelis J. H. A.
Van Hardenberg, Bonifacius J.
Van Ingen Schenau, Bernardus W., and Lubben.
Van Loon, Carel J.
Van Loon, Carel J., and Beukema.

Hartough, Howard D.: *See*— Schick, John W., and Hartough.

Harvey, Robert L., and V. D. Landon, Princeton, N. J., assignors to Radio Corporation of America. Electrical filter unit. 2,569,667, Oct. 2.

Hastings Manufacturing Company, assignee: *See*— Phillips, Harold P.

Hatcher, Alexander P., Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Drill tool. 2,569,854, Oct. 2.

Hauck, Robert M., assignor to Safway Steel Products, Inc., Milwaukee, Wis. Joint. 2,569,632, Oct. 2.

Hausmann, Joseph A., and E. T. Riedy, Fort Wayne, Ind., assignors to International Harvester Company. Frame and engine supports for clutch control mechanism. 2,569,633, Oct. 2.

Hawk, Blaine W., Sharpsville, and F. S. Shannon, Sharon, Pa. Mobile parts order pad holder. 2,569,716, Oct. 2.

Haythornthwaite, James J., Accrington, assignor to T. M. M. (Research) Limited, Rossendale, England. Doffing mechanism for ring spinning, doubling, and twisting machines. 2,570,057, Oct. 2.

Hayward, Arthur S.: *See*— Scott, Richard H., and Hayward.

Hazeltine Research, Inc., assignee: *See*— Jones, Douglas E., Ransley, Ryde, and Williams.

Heckendorn, Alphonse: *See*— Felix, Friedrich, Heckendorn, and Widmer.

Heckert, Frederick W., and H. W. Lake, Dayton, Ohio. Leveling and contouring apparatus. 2,570,122, Oct. 2.

Heine, George F., Ferndale, Mich. Device for facilitating the checking of storage batteries. 2,570,123, Oct. 2.

Heinrich, Raymond L., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Preparing an olefin polymerization feedstock. 2,570,032, Oct. 2.

Helicopter Corporation of America, assignee: *See*— de Bothezat, George.

Helmond, William F., Clinton, Conn., assignor to Underwood Corporation, New York, N. Y. Case shift mechanism for typewriters and like machines. 2,569,668, Oct. 2.

Henderson, Albert, assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa. Beam connection for precast concrete members. 2,569,669, Oct. 2.

Herbert, Charles F., Seattle, Wash. Sled runner. 2,569,889, Oct. 2.

Hercules Powder Company, assignee: *See*—
Borglin, Joseph N., and Ray.
Drake, Arthur E.
Lorand, Eugene J.
Rheineck, Alfred E.
Vandenberg, Edwin J.

Hermanns, Otto E.: *See*— Leguillon, Charles W., and Hermanns.

Hernqvist, Karl G., Princeton, N. J., assignor to Radio Corporation of America. Positive ion beam gun. 2,570,124, Oct. 2.

Hertlein, Carl J., Bronxville, N. Y. End mill sharpening fixture. 2,569,853, Oct. 2.

Hibbs, Harry W., Princeville, Ill. Necktie container and supporting rack. 2,569,761, Oct. 2.

Hicks, Reginald, Yonkers, assignor to American-La France-Foamite Corporation, Elmira, N. Y. Safe load indicator. 2,569,890, Oct. 2.

Hilgert, Adolph J., assignor to Johnson Service Company, Milwaukee, Wis. Relay for use in controlling atmospheric conditions. 2,569,762, Oct. 2.

Hill, John P., North Plainfield, assignor to ATF Incorporated, Elizabeth, N. J. Apparatus for making tubing. 2,569,856, Oct. 2.

Hill, Van Dyke, New York, N. Y. Piano playing device. 2,569,525, Oct. 2.

Hiser, Noble M., Tucson, Ariz. Casement window operator. 2,569,565, Oct. 2.

Hoare, Stephen C., Manchester, and A. J. Corson, Marblehead, Mass., assignors to General Electric Company. Interlocking signaling system for electrical indicating instruments. 2,570,125, Oct. 2.

Hobbs, Charles B., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Popcorn popping device. 2,570,126, Oct. 2.

Hoenle, Norman J.: *See*— Landis, George G., and Hoenle.

Hofferberth, George F., assignor to General Motors Corporation, Dayton, Ohio. Slidable door for cabinets. 2,569,763, Oct. 2.

Hoffman, Harold L., Brielee, N. J. Machine tool. 2,569,566, Oct. 2.

Hofman, Sebastian, St. Louis, Mo. Ignition point assembly. 2,569,991, Oct. 2.

Hofmann, Alfred, & Co., assignee: *See*— Schoenster, Peter J., and Ebert.

Holberson, Henry A., Youngstown, Ohio. Apparatus for automatic localized annealing. 2,569,634, Oct. 2.

Holker, James R.: *See*— Boyd-Barrett, H. Stanislaus, Holker, and Steiner.

Holl, James W. F., Los Angeles, Calif. Reversible variable volume pump. 2,569,717, Oct. 2.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Self-energized brake system. 2,569,670, Oct. 2.

Holmes, Frank G., Philadelphia, Pa. Automatic window washer. 2,569,635, Oct. 2.

Holter, Bruce T., Newberry, Pa. Automatic injection feed appliance for rivets and headed fastenings. 2,569,891, Oct. 2.

Hommel, Ernest M., assignor to The O. Hommel Company, Pittsburgh, Pa. Apparatus and method for manufacturing silicate fibers and frit. 2,569,472, Oct. 2.

Hommel, O., Company, The, assignee: *See*—
Hommel, Ernest M.

Hook, Edwin O.: *See*—
Cook, Elmer W., Hook, and Kushner.

Hooker, Frank M., Redmond, Oreg. Closure wrench having pivoted arm, slidably adjustable. 2,569,608, Oct. 2.

Hoover, George W., and E. E. Easton, United States Navy. Flight instrument for aircraft. 2,569,473, Oct. 2.

Hooykaas, Johannes C., assignor to Fijn-Mechanische Industrie "Becker's Sons" N. V., The Hague, Netherlands. Back-pedaling braking hub. 2,569,718, Oct. 2.

Hopwood, John M., Mt. Lebanon, Pa., assignor to Hagan Corporation. Spray nozzle. 2,569,992, Oct. 2.

Hora, Josef, Melide, Tessin, Switzerland. Button and loop sock suspender. 2,569,931, Oct. 2.

Hotpoint Inc., assignee: *See*—
Berg, Leo F.

Houdaille-Hershey Corporation, assignee: *See*—
Schatzman, George W.

House, Frederick F.: *See*—
House, Howard C. and F. F.

House, Howard C., and F. F., assignors to Jacob House & Sons, Buffalo, N. Y. Apparatus for elevating and dumping the contents of containers. 2,569,609, Oct. 2.

House, Jacob, & Sons, assignee: *See*—
House, Howard C. and F. F.

Howard, Ralph H., Oklahoma City, Okla. Device for applying rubber sleeves. 2,569,993, Oct. 2.

Hoy, Austin, & Company Limited, assignee: *See*—
Shepherd-Smith, Stephen.

Huffman, Coy L., Greenville, S. C. Picker mounting means. 2,569,994, Oct. 2.

Hughes, William B., Barnsdall, and Jack Newcombe, Pawhuska, assignors to Cities Service Oil Company, Bartlesville, Okla. Purification of crude alcohols. 2,569,671, Oct. 2.

Huhne, Henry J., Melrose, Minn. Stone picker. 2,569,719, Oct. 2.

Hunter, Edward A., Baton Rouge, La., assignor to Standard Oil Development Company. Preparation of magnesia gels. 2,570,058, Oct. 2.

Hunter, Herbert T., Baltimore, Md., assignor to Doughnut Corporation of America, New York, N. Y. Apparatus for deep fat cooking. 2,570,127, Oct. 2.

Hurxthal, Alpheus O., Wyncote, and G. W. O'Keefe, Elkins Park, assignors to Proctor & Schwartz, Inc., Philadelphia, Pa. Packing finned pipe for shipping and handling. 2,570,059, Oct. 2.

Hydroponics, Incorporated, assignee: *See*—
Bertrand, Joseph V., and Shaw.

Imperial Chemical Industries Limited, assignee: *See*—
Ratcliffe, Alfred, and Talbot.

Imse, Philip J., assignor to Chain Belt Company, Milwaukee, Wis. Conveyor chain. 2,569,636, Oct. 2.

Infilco Incorporated, assignee: *See*—
Green, Walter H.
Koupal, Robert J.

Ingram, Orville: *See*—
Haskins, Cyrus, and Ingram.

Ingres, Jeannot G., Richmond, Va., assignor to Kelsey Hayes Wheel Company, Detroit, Mich. Tractor-trailer brake system. 2,569,610, Oct. 2.

Instrumentfirman Inor, Alfred Brakl, assignee: *See*—
Melin, Bertil, and Jeppson.

International Business Machines Corporation, assignee: *See*—
Carroll, Fred M.
Carroll, Fred M., and Smith.
Doty, Charles R., Klotz, and Koranye.
Larrabee, Clinton E.
Paulsen, Robert C.
Rabenda, Edward J.
Whalen, Richard J., and Kulpa.

International Cellucotton Products Company, assignee: *See*—
Killett, William R., and Veler.

International Cementers, Inc., assignee: *See*—
Dale, Orie, O. and Chesnut.

International Harvester Company, assignee: *See*—
Hausmann, Joseph A., and Riedy.

International Milling Company, assignee: *See*—
Cecil, Thomas G.

International Minerals & Chemical Corporation, assignee: *See*—
Jackson, Richard I.

Isard, Emmette F., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cross-linked hydrolyzed interpolymer of vinyl acetate and allyldiene diacetate and process. 2,569,932, Oct. 2.

Jackson, Ashton: *See*—
Kirkner, Bud E., Barker, Williams, and Jackson.

Jackson, Richard I., Perrysburg, Ohio, assignor to International Minerals & Chemical Corporation. Flotation of slimes from sylvinite ore with hydroxyethyl cellulose. 2,569,672, Oct. 2.

Jaegle, William C., Hicksville, N. Y., and D. Strahman, Livingston, N. J., assignors to Klingerit Inc., New York, N. Y. Combined mixing unit and hose rack. 2,569,857, Oct. 2.

Jenkins, Joe H., Henning, Tenn. Sectional boat. 2,569,611, Oct. 2.

Jensen, Jack H., assignor to Ry-Lock Company, Ltd., San Leandro, Calif. Lock for frameless window screen tensioning devices. 2,570,128, Oct. 2.

Jeppson, Harry: *See*—
Melin, Bertil, and Jeppson.

Jesnig, Charles J., Newtown Square, assignor to Package Devices, Inc., Philadelphia, Pa. Medicinal inhaler. 2,569,720, Oct. 2.

Johnes, Frederick W.: *See*—
Autie, Edward G., and Johnes.

Johnson Biscuit Company, assignee: *See*—
Watson, Nathan J.

Johnson, Charles H., assignor to Gisholt Machine Company, Madison, Wis. Hydraulic follow-up tool feed for lathes. 2,569,526, Oct. 2.

Johnson, Charles P.: *See*—
Sporing, Percy A., and Johnson.

Johnson, John C., East Hempstead, N. Y., and W. H. Johnson, Newmanstown, Pa. Frame for supporting juxtaposed endless belt conveyers. 2,569,673, Oct. 2.

Johnson, Maude F., New York, N. Y. Double piepan. 2,570,060, Oct. 2.

Johnson, Robert H., Schenectady, N. Y., assignor to General Electric Company. Supersonic wind tunnel. 2,570,129, Oct. 2.

Johnson, Robert W., Chicago, Ill. Buckle. 2,569,933, Oct. 2.

Johnson Service Company, assignee: *See*—
Hilgert, Adolph J.

Johnson, Walter H.: *See*—
Johnson, John C., and W. H.

Johnston, Norman F., East Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y. Cakemaking. 2,569,527, Oct. 2.

Johnstone, Robert McC., Bondsville, Pa. Laterally separating and spacing a plurality of traveling stripe. 2,570,061, Oct. 2.

Jonas, Gilbert F., assignor to Boyd-Welsh, Inc., St. Louis, Mo. Initially soft stiffenable material. 2,569,764, Oct. 2.

Jones, Douglas E., Tarrow, C. E. Ransley, Sudbury, and J. W. Ryde, London, England, and S. V. Williams, deceased, Kenton, England, by F. M. Williams, executrix, Kenton, England, assignors, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Crystal contacts of which one element is mainly silicon. 2,569,892, Oct. 2.

Jones, Evan: *See*—
Dube, John E., and Jones.

Jones, Thomas F., Alexandria, Va. Electrode structure for gaseous discharge devices. 2,569,474, Oct. 2.

Jones, Veda G., assignee: *See*—
Adams, Harry L.

Jones, Willard C., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Line-space release device for typewriting and like machines. 2,569,674, Oct. 2.

Juers, Edward H., Red Wing, Minn. Foot support. 2,569,721, Oct. 2.

K & B Manufacturing Company, assignee: *See*—
Blake, William P.

Kabisch, Harold G.: *See*—
Lewis, Oscar, and Kabisch.

Kadenacy, Michel, assignee: *See*—
Mansfield, Wilfred P., and White.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Porter, John L.

Kandle, Charles W., Chicago, Ill. Screw anchor adapter. 2,569,528, Oct. 2.

Kappes, Clarence, Rock Island, Ill. Centrifugal juice extractor. 2,569,813, Oct. 2.

Kapsa, Lumir V., Prague, Czechoslovakia. Spring fed magazine. 2,569,995, Oct. 2.

Karr, Harry E., assignee: *See*—
Harding, Hiram R.

Katkowsky, Isadore: *See*—
Adler, Max, Katkowsky, K., and I.

Katkowsky, Karl: *See*—
Adler, Max, Katkowsky, K., and I.

Kauer, Kenneth C.: *See*—
Alquist, Francis N., Wasco, and Kauer.

Kawneer Company, The, assignee: *See*—
Cole, Ralph M.
Toney, Henry W.

Keefe, Oscar A., Lincoln Park, N. J. Variable transformer. 2,569,675, Oct. 2.

Keller Tool Company, assignee: *See*—
Shaff, Ernest H.

Kellett, William R., Menasha, and L. G. Veler, Neenah, Wis., assignors to International Cellucotton Products Company. Method and apparatus for making an absorption control element. 2,569,765, Oct. 2.

Kellogg, M. W., Company, The, assignee: *See*—
Passino, Herbert J., and Mantell.

Kellogg Switchboard and Supply Company, assignee: *See*—
Rose, Morris.

Kelsey Hayes, Wheel Company, assignee: *See*—
Ingres, Jeannot G.

Kendall, Donald G., and W. L. Giesler, Bakersfield, Calif. Well treating device. 2,569,893, Oct. 2.

Kenyon Gyro & Electronics Corporation, assignee: *See*—
Kenyon, Theodore W.

Kenyon, Theodore W., Huntington, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Controlled flight equipment. 2,569,676, Oct. 2.

Kenyon, Theodore W., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y. Gyrostabilized sighting instrument. 2,570,130, Oct. 2.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. β-haloethylamines. 2,569,814, Oct. 2.

Kesselring, Fritz, Zollikon/Zurich, Switzerland, assignor to FKG Frits Kesselring Gerätebau Aktiengesellschaft, Bachtebel-Weinfelden. Electric contact device for variable current. 2,570,062, Oct. 2.

Kihlberg, Sven G., assignee: *See*—
Cardell, Olof.

Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Treatment of microspherical particles to render them nonagglomerating. 2,570,063, Oct. 2.

King Kone Corporation, assignee: *See*—
Tatosian, Harry G.

Kirk, Ralph L., Bellevue, Pa. Clearance indicator. 2,569,529, Oct. 2.

Kirtner, Bud E., E. Barker, M. Williams, and A. Jackson, Chattaroy, W. Va. Mine car safety stop. 2,569,858, Oct. 2.

Klein, Norman E., Clemson, assignor to Deering Milliken Research Trust, Pendleton, S. C. Device for controlling textile machines. 2,569,475, Oct. 2.

Klein, Victor G., St. Louis, and L. C. Rotter, Maplewood, assignors to Lincoln Engineering Company, St. Louis, Mo. Valve. 2,569,766, Oct. 2.

Klingerit Inc., assignee: *See*—
Jaegle, William C., and Strahman.

Klotz, Herman J.: *See*—
Doty, Charles R., Klotz, and Koranye.

Knock, Frances E., Oak Park, Ill., assignor to The L. D. Caulk Company, Milford, Del. Dental material and method. 2,569,767, Oct. 2.

Knoth, Fred, Jr.: *See*—
Smith, Paul V., Jr., and Knoth.

Knox, Clarence O., Seattle, Wash. Vacuum insect eradicating device for showcases. 2,569,722, Oct. 2.

Koehring Company, assignee: *See*—
Beckwith, Raymond A.

Koerbis, Albert, Irvington, assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J. Envelope for electric devices. 2,569,723, Oct. 2.

Kollsman, Paul, New York, N. Y. Self-adjusting reaction nozzle. 2,569,996, Oct. 2.

Kollsman, Paul, New York, N. Y. Jet device for discharging a mixture of fluids. 2,569,997, Oct. 2.

Koppers Company, Inc., assignee: *See*—
Marsell, Philip A., and Teller.

Koranye, Theodore D.: *See*—
Doty, Charles R., Klotz, and Koranye.

Korn, Arthur H., New York, N. Y. Apparatus for separating dust from dust-laden air. 2,569,567, Oct. 2.

Korts, Frank H., Long Beach, Calif. Device for forming fishing leaders. 2,569,768, Oct. 2.

Koupal, Robert J., assignor to Infilco Incorporated, Chicago, Ill. Filter system. 2,570,131, Oct. 2.

Koupal, Robert J., assignor to Infilco Incorporated, Chicago, Ill. Filter. 2,570,132, Oct. 2.

Kowal, Michael H., Clifton, assignor to Empire Box Corporation, Garfield, N. J. Bottle carrier. 2,570,133, Oct. 2.

Krainer, Helmuth and K. Swoboda, Kapfenberg, assignors to Gebr. Böhler & Co. Aktiengesellschaft, Vienna, Austria. Alloyed steel suitable preferably for water hardening tools of high resistance to wear as well as shock. 2,569,894, Oct. 2.

Kramer, Irving, Far Rockaway, and J. Rowe, Arverne, N. Y., assignors of one-third to said Rowe, one-third to H. Sinoff, Brookline, and one-third to E. Wolf, Boston, Mass. Time-controlled temperature-responsive fuel control system. 2,569,530, Oct. 2.

Kraus, Gerard: *See*—
Reynolds, William B., Kraus, and Conciatori.

Kulpa, Stanley T.: *See*—
Whalen, Richard J., and Kulpa.

Kunzog, Theodore W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ball-bearing structure. 2,569,531, Oct. 2.

Kurtzon, Charles K., Chicago, Ill., assignor to Garden City Plating & Manufacturing Co. Combination reflector and showcase frame. 2,569,934, Oct. 2.

Kushner, Samuel: *See*—
Cook, Elmer W., Hook, and Kushner.

Kuss, Max J., Kent, Ohio. Room humidifier. 2,570,033, Oct. 2.

Lake, Harry W.: *See*—
Heckert, Frederick W., and Lake.

La Lande, William A., Jr., Upper Darby, M. E. Aeugle, Philadelphia, and G. Molyneux, Meadowbrook, assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Photochemical production of benzene hexachloride. 2,569,677, Oct. 2.

Lanca Handbags Corporation, assignee: *See*—
Netz, Johann A.

Lancaster, John E., New York, N. Y., M. Haeberlein, Maplewood, and E. C. Schmachtenberg, Short Hills, assignors to Worthington Pump and Machinery Corporation, Harrison, N. J. Degasifying means in the lubrication system of elastic fluid compressors. 2,570,134, Oct. 2.

Landis, George G., South Euclid, and N. J. Hoenie, Cleveland Heights, assignors to The Lincoln Electric Company, Cleveland, Ohio. Arc welding apparatus. 2,569,476, Oct. 2.

Landon, Vernon D.: *See*—
Harvey, Robert L., and Landon.

Lane-Wells Company, assignee: *See*—
Norelius, Russell G.

Larrabee, Clinton E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Synchronous motor controlled secondary clock. 2,569,815, Oct. 2.

Larsen, Hans B., Stockholm, Sweden. Magnetic rail brake. 2,570,034, Oct. 2.

Larson, Harold, assignee: *See*—
Larson, Roy C., and Patterson.

Larson, Roy C., Buffalo, S. Dak., and R. A. Patterson, San Diego, Calif., assignors of one-half to said Larson and one-half to H. Larson. Suspension rod for the interior of vehicles. 2,569,678, Oct. 2.

Lasis, Alex: *See*—
Wychowaniec, Stanley M., and Lasis.

Laughlin, William C., New York, N. Y. Wet screen sizing. 2,570,035, Oct. 2.

Laurent, André, Paris, assignor to Societe Anonyme des Hauts-Fourneaux & Fonderies de Pont-a-Mousson, Brive (Carrèze), France. Manufacture of reinforced concrete pipes. 2,569,612, Oct. 2.

Lee, Burton D. *See*—
Wolf, Alexander, and Lee.

Lee, Burton D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Electrical analogue. 2,569,816, Oct. 2.

Lee, Burton D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Dynamic lubrication of mechanical linkages employed in electrical analogues. 2,569,818, Oct. 2.

Lee, Robert J.: *See*—
Adams, Leon M., Brandt, Lee, and Wadsworth.

Leece, John B., University Heights, and N. P. Harmon, assignors to The Leece-Neville Company, Cleveland, Ohio. Apparatus for winding electrical coils. 2,569,679, Oct. 2.

Leece-Neville Company, The, assignee: *See*—
Leece, John B., and Harmon.

Leek, Thomas G., New York, N. Y., assignor to Edgar Brothers Company, Metuchen, N. J. Flotation process for whitening clay. 2,569,680, Oct. 2.

Leguillon, Charles W., and O. E. Hermanns, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making composite tire articles. 2,569,935, Oct. 2.

Lehr, Henry, Flint, Mich. Work-holder for shapers. 2,569,613, Oct. 2.

Leitz, Ernst, G. m. b. H., assignee: *See*—
Rinker, Wilhelm.

Lennon, James W., St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill. Egg carton. 2,569,681, Oct. 2.

Leontis, Thomas E., assignor to The Dow Chemical Company, Midland, Mich. Magnesium alloy. 2,569,477, Oct. 2.

Letvin, Samuel: *See*—
Bonvillian, Claude A., Brierly, and Letvin.

Levy, Max H., and R. A. Donovan, Brooklyn, N. Y. Safety automobile wheel switch device. 2,569,998, Oct. 2.

Lewis, Harold A.: *See*—
Bickel, Ferdinand D. W., Lewis, and Mecklenborg.

Lewis, Oscar, and H. G. Kabisch, assignors to P. Williams and L. Paulson, Woodburn, Oreg. Overhead counterbalanced door. 2,569,614, Oct. 2.

Lewis, William H., Altadena, Calif. Cutting pavement and other like surfaces. 2,569,682, Oct. 2.

Libois, Louis J.: *See*—
Gloess, Paul F. M., and Libois.

Liddell, Robert W., Bethel Township, Allegheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Phosphate product and making same. 2,569,936, Oct. 2.

Lincoln Electric Company, The, assignee: *See*—
Landis, George G., and Hoenie.

Lincoln Engineering Company, assignee: *See*—
Klein, Victor G., and Rotter.

Lindgren, Theodore H., Closter, N. J. Folding crib. 2,569,937, Oct. 2.

Lindsay, Charles H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Airfoam nozzle. 2,569,683, Oct. 2.

Link, Forest L. W., Silverton, assignor to The Schaible Company, Cincinnati, Ohio. Drain fitting. 2,569,615, Oct. 2.

Linotype and Machinery Limited, assignee: *See*—
Scott, Richard H., and Hayward.

Lipshaw, Julius, Detroit, Mich. Eave trough cover. 2,569,568, Oct. 2.

Lister, Samuel W., London, England. Folding flat articles. 2,569,769, Oct. 2.

Lobelle, Marcel J. O., assignor to M. L. Aviation Company Limited, Maidenhead, England. Aircraft gunsight mounting. 2,569,819, Oct. 2.

Locantore, Louis, New York, N. Y. Needle-retaining spool. 2,569,684, Oct. 2.

Locke, Andrew O., Denver, Colo. Mounting assembly for fluorescent fixtures. 2,569,859, Oct. 2.

Locke, Arthur A., Detroit, Mich. Hot beverage maker. 2,569,820, Oct. 2.

Locke, George A., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph storage system. 2,569,478, Oct. 2.

Loe, Ira G., assignor to Barters, Incorporated, Cleveland, Ohio. Peg and hole puzzle device. 2,569,637, Oct. 2.

Lonngren, Bruno L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Multiple control for brake mechanism. 2,569,479, Oct. 2.

Looney, William E., Detroit, Mich. Automatic transmission. 2,569,685, Oct. 2.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of unsaturated organic compounds. 2,569,480, Oct. 2.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Homogeneous polymerization of unsaturated organic compounds. 2,569,481, Oct. 2.

Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Nelson, Harry.

Lotus Limited, assignee: *See*—
Adams, Walter.

Loughridge, Robert F., Fort Worth, Tex. Moving stairway. 2,570,135, Oct. 2.

Lovejoy, Ethel M., Seattle, Wash. Lingerie shoulder strap holder of bent wire. 2,569,938, Oct. 2.

Lowry, Hubert E., Gardena, Calif. Sofa-bed construction. 2,569,999, Oct. 2.

Lowry, Hubert E., Gardena, Calif. Chair construction comprising a base and a chair frame resiliently suspended therefrom. 2,570,000, Oct. 2.

Lubben, Gerrit J.: *See*—
Van Ingen Schenau, Bernardus W., and Lubben.

Lyon, Donald W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Infrared phosphors. 2,569,939, Oct. 2.

Lyon, Donald W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Infrared phosphors. 2,569,940, Oct. 2.

Lyon, Donald W., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Infrared phosphors. 2,570,136, Oct. 2.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,569,482, Oct. 2.

Lyon, George A., Detroit, Mich. Wheel cover. 2,569,483, Oct. 2.

M. L. Aviation Company Limited, assignee: *See*—
Lobelle, Marcel J. O.

Machlett Laboratories, Incorporated, assignee: *See*—
Skenan, Joseph W., and Rogers.

MacKay, John R., Packanack Lake, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Single station range light apparatus. 2,570,137, Oct. 2.

MacKay, John R., Packanack Lake, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Single station range light apparatus. 2,570,138, Oct. 2.

Mackie, Harry A., Birmingham, and S. Duluk, Dearborn, assignors to General Motors Corporation, Detroit, Mich. Convertible folding top with automatic seal at rear quarter. 2,569,724, Oct. 2.

Main-Smith, John D., and G. A. Earwicker, Farnborough, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England. Detection of carbon monoxide by palladous sulfite and/or palladosulfites. 2,569,895, Oct. 2.

Mann, Oliver, Danvers, assignor to Sylvania Electric Products Inc., Salem, Mass. Chuck. 2,569,616, Oct. 2.

Manning, Roland A.: *See*—
Deutsch, Simon, and Manning.

Mansfield, Wilfred P., and J. White, Slough, England, assignors to M. Kadenacy, deceased, Summit, N. J.; N. K. Guercken, executrix. Two-cycle internal-combustion engine with exhaust gas turbine. 2,570,036, Oct. 2.

Mantell, Russell M.: *See*—
Pansino, Herbert J., and Mantell.

Marathon Corporation, assignee: *See*—
Farrell, Robert A.

Marsell, Philip A., Emsworth, and C. H. Teller, Mount Lebanon, Pa., assignors to Koppers Company, Inc. Apparatus for coating sheet material with particulate material. 2,569,484, Oct. 2.

Marshall, Franklin W., Pittsburgh, and S. M. McCall, Ross Township, Allegheny County, Pa. Joining device. 2,569,532, Oct. 2.

Martin, Glenn L., Company, The, assignee: *See*—
Nevin, Robert S., Sr., and Fields.

Martin, James, Higher Denham, near Uxbridge, England. Control means for use with ejection seats of aircraft. 2,569,638, Oct. 2.

Martin-Parry Corporation, assignee: *See*—
Mayes, Walter A.

Martin, Roger M. L., Boulogne sur Seine, France. Furnace grate bar. 2,569,639, Oct. 2.

Mašek, Josef, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia. Vulcanization last. 2,569,725, Oct. 2.

Maslin, Alice E., New York, N. Y. Child's garment. 2,569,569, Oct. 2.

Mastrangelo, Bianca: *See*—
Mastrangelo, Faustina, and B.

Mastrangelo, Faustina, and B., Fitchburg, Mass. Storm door and window hardware. 2,569,941, Oct. 2.

Mataré, Herbert F., Vaucresson, and A. Pollieaux, Livry-Gargan, assignors to Societe Anonyme dite: Compagnie des Freins & Signaux Westinghouse, Paris, France. Crystal diodes and joint contact device. 2,569,570, Oct. 2.

Mauss, Hans: *See*—
Andersag, Hans, and Mauss.

Maxeiner, Eimer F., St. Louis, Mo. Collapsible roof crane. 2,569,821, Oct. 2.

Maxwell, Donald E., New Canaan, Conn., assignors to General Electric Company. Cathode-ray image presentation system. 2,570,139, Oct. 2.

Mayer, Joseph T., Jr., Muskegon, Mich., assignor to Stewart Hartshorn Company, New York, N. Y. Head assembly for spring shade rollers. 2,570,140, Oct. 2.

Mayes, Walter A., assignor to Martin-Parry Corporation, York, Pa. Wall structure. 2,569,896, Oct. 2.

McCall, Sherad M.: *See*—
Marshall, Franklin W., and McCall.

McCammond, Walter D., Flushing, N. Y., assignor, by mesne assignments, to Mine Safety Appliances Company, Pittsburgh, Pa. Pole climber. 2,570,001, Oct. 2.

McCormick, Gordon R.: *See*—
Terry, Edward J., and McCormick.

McCullough, Jack A.: *See*—
Eitel, William W., and McCullough.

McKate, Claude C., Denver, Colo. Casting reel. 2,569,770, Oct. 2.

McKee, Clare A., Highland Park, Ill. Implement holder. 2,570,141, Oct. 2.

McKee, Clare A., Highland Park, Ill. Land-leveling device. 2,570,142. Oct. 2.

McKee, Hilton J.: *See*—
Burge, James S., McKee, and Goodwin.

McLennan, Miles A., Detroit, Mich. Automatic ranging system. 2,569,485, Oct. 2.

McMillen, Ward, Toledo, Ohio. Paring knife. 2,570,002, Oct. 2.

McPherson, John B., Abington, assignor of one-half to L. B., and one-half to N. R. Meyerhoff, Elkins Park, Pa. Collapsible garment hanger. 2,569,726, Oct. 2.

McQuay-Norris Manufacturing Company, assignee: *See*—
Persons, Lawrence M.

Mecklenborg, Robert H.: *See*—
Bickel, Ferdinand D. W., Lewis, and Mecklenborg.

Mehaffey, John H., Metuchen, N. J. Paper hanger's plumb bob. 2,569,727, Oct. 2.

Meinert, Richard N., Tulsa, Okla., assignor to Standard Oil Development Company. Determining cut point in pipeline crude oil batching. 2,570,064, Oct. 2.

Melchior, Frederick C., New York, N. Y. Boat construction. 2,569,686, Oct. 2.

Melin, Bertil, Norrkoping, and H. Jeppson, assignors to Instrumentfirman Inor, Alfred Braki, Malmo, Sweden. Thread feeler device in spinning and twisting machines. 2,569,728, Oct. 2.

Melroe, Edward G., Gwinner, N. Dak. Pickup device for harvesters. 2,570,065, Oct. 2.

Melville, Alexander, Southport, assignor to Bleachers' Association Limited, Manchester, England. Finishing of woven fabrics. 2,569,897, Oct. 2.

Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Oscillating fluid pressure machine. 2,569,640, Oct. 2.

Mergenthaler Linotype Company, assignee: *See*—
Owens, Harry W.

Merhar, Frank J., Portland, Oreg. Holder for punchboards. 2,569,860, Oct. 2.

Merrick, Leon A., Adrian, Mich. Poultry killing rack. 2,570,143, Oct. 2.

Metherell, Walter A., Turlock, Calif. Trailer house. 2,569,641, Oct. 2.

Mettler, Rollin W., Hamden, assignor to National Folding Box Company, Inc., New Haven, Conn. Folding box forming machine. 2,570,144, Oct. 2.

Mettler, Rollin W., Hamden, assignor to National Folding Box Company, Inc., New Haven, Conn. Folding box forming machine. 2,570,145, Oct. 2.

Mettler, Rollin W., Hamden, assignor to National Folding Box Company, Inc., New Haven, Conn. Folding box forming machine. 2,570,146, Oct. 2.

Meyerhoff, Lester B., assignee: *See*—
McPherson, John B.

Meyerhoff, Natalie R., assignee: *See*—
McPherson, John B.

Miller, Walter C., West Allis, assignor to Frabill Manufacturing Company, Milwaukee, Wis. Fishing bob. 2,569,822, Oct. 2.

Millns, Terence W., assignor to Rotax Limited, London, England. Gas turbine. 2,569,898, Oct. 2.

Mills, Bert, Corporation, The, assignee: *See*—
Mills, Bert E.

Mills, Bert E. St. Charles, assignor to The Bert Mills Corporation, Chicago, Ill. Beverage vending machine. 2,569,486, Oct. 2.

Milnor, Leland T., Cincinnati, assignor, by mesne assignments, to The F. C. Russell Company, Cleveland, Ohio. Combination storm and screen unit. 2,569,942, Oct. 2.

Milton Roy Company, assignee: *See*—
Saalfrank, Royal B.

Mine Safety Appliances Company, assignee: *See*—
McCammond, Walter D.

Miner, Howard W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Mold for casting crankshafts. 2,569,899, Oct. 2.

Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, assignee: *See*—
Main-Smith, John D., and Earwicker.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wild, Rudolf F.

Mississippi Valley Research Laboratories, Inc., assignee: *See*—
Doelling, George L., and Adams.

Mitchell Camera Corporation, assignee: *See*—
Mitchell, George A.

Mitchell, George A., Pasadena, assignor to Mitchell Camera Corporation, Glendale, Calif. Intermittent movement with improved claw action. 2,569,487, Oct. 2.

Mitchell, John E., Company, assignee: *See*—
Mitchell, Orville.

Mitchell, John W., Jamestown, N. Y. Bow forming and tying jig. 2,569,943, Oct. 2.

Mitchell Manufacturing Co., Tru-Ad Division, assignee: *See*—
Olsen, Robert E.

Mitchell, Orville, assignor to John E. Mitchell Company, Dallas, Tex. Safety device for vaporizers. 2,569,771, Oct. 2.

Moe-Bridges Corporation, assignee: *See*—
Deutsch, Simon, and Manning.

Molyneux, Gladys: *See*—
La Lande, William A., Jr., Aengle, and Molyneux.

Monnier Brothers, Inc., assignee: *See*—
Brush, Corning S.

Monsanto Chemical Company, assignee: *See*—
Park, Harold F.

Moore, Helen S. (now by marriage): *See*—
Sorensen, Edward M.

Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.

Moore, Murray L., and A. D. Fritz, Cheyenne, Wyo. Dual wheel differential hub. 2,569,861, Oct. 2.

Moores, Urban A., Mechanic Falls, Maine. Variable-speed clutch. 2,569,864, Oct. 2.

Morgan, Porter S., Westport, Conn. Differential. 2,569,533, Oct. 2.

Morin, Louis H., Bronx, N. Y. Hinge. 2,569,862, Oct. 2.

Morin, Louis H., Bronx, N. Y. Servo-power application to dies of die-casting machines. 2,569,863, Oct. 2.

Morrissey, Patrick W., Racine, Wis., assignor to J. I. Case Company. Field forage harvester. 2,570,147, Oct. 2.

Morrow, Morris R., and J. W. Smalling, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Extractive distillation process. 2,570,066, Oct. 2.

Moskovitz, Milton A., Fairfield, Ill. Self-lubricated steering knuckle joint. 2,569,823, Oct. 2.

Mumford, Roy H.: *See*—
Cooke, Arthur H., and Mumford.

Murphy, Theodore T.: *See*—
Avinger, Ernest C., and Murphy.

Muska, Vojtech, Astoria, N. Y. Cyclone dust collector. 2,569,865, Oct. 2.

Myers, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion with vanadia - and/or molybdena - containing catalysts. 2,570,067, Oct. 2.

Naknsone, Robert T.: *See*—
Semm, Paul T., and Nakasone.

Nall, Robert L., New Orleans, La., assignor to The Patent and Licensing Corporation, New York, N. Y. Heating device for molten materials. 2,569,824, Oct. 2.

National Folding Box Company, Inc., assignee: *See*—
Mettler, Rollin W.

National Steel Corporation, assignee: *See*—
Reading, Harry J.
Rieger, Ernest W.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Hanson, Russell O.
Kenyon, Theodore W.
Prescott, Rochelle.
Shoub, Harry.

Nelson, Averd, assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Gravity feed fuel control means for wick type burners. 2,569,944, Oct. 2.

Nelson, George H.: *See*—
Craighead, Philip B., and Nelson.

Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind. 2,569,866, Oct. 2.

Netteland, Olav, Oslo, Norway. Device containing electron tubes for automatically stabilizing high-voltage sources with symmetrical potential distribution. 2,569,945, Oct. 2.

Netz, Johann A., Batavia, assignor to Lanca Handbags Corporation, New York, N. Y. Machine for covering handbag frames. 2,569,534, Oct. 2.

Neuroth, John, and J. C. Smith, assignors to The Prosperity Company, Inc., Syracuse, N. Y. Water level and temperature control system for washing machines. 2,570,148, Oct. 2.

Nevin, Robert S., Sr., Dundalk, and C. M. Fields, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Mechanical vibrator. 2,569,900, Oct. 2.

Newcombe, Jack: *See*—
Hughes, William B., and Newcombe.

Newell, William H., New York, J. D. Tear, Great Neck, and L. S. Brown, Long Island City, N. Y., assignors to The Sperry Corporation. Automatic gun control system. 2,569,571, Oct. 2.

Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Continuously renewing lithographic printing surfaces by means of the fountain fluid. 2,569,488, Oct. 2.

Newman, Marcel K., Syracuse, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Discharging fluid pressure media. 2,569,489, Oct. 2.

Newman, Marcel K., Syracuse, N. Y., assignor to Specialties Development Corporation, Belleville, N. J. Carbon dioxide snow forming horn. 2,569,490, Oct. 2.

Niemann, Frederick A., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Keyboard interlock for calculating machines. 2,570,068, Oct. 2.

Noelle, Conrad J., assignor to American Optical Company, Southbridge, Mass. Device for aiding in performing eye surgery. 2,570,149, Oct. 2.

Nold, Elton L., Detroit, Mich. Child's adjustable seat. 2,569,729, Oct. 2.

Norelius, Russell G., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Alternating-current electrologging. 2,569,867, Oct. 2.

Norwalk Clamp Corporation, The, assignee: *See*—
Bouton, Hiram M.

Novak, Thomas J., St. Paul, Minn. Jar lifting device. 2,570,069, Oct. 2.

O'Donnell, Edward M., Galva, Iowa. Tractor seat. 2,569,730, Oct. 2.

Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), assignee: *See*—
Favre, Alexandre.

Oglesby, Elizabeth L.: *See*—
Hagemeyer, Hugh J., Jr., Oglesby, and Caldwell.

O'Keeffe, George W.: *See*—
Hurxthal, Alpheus O., and O'Keeffe.

Olesen, Arthur J.: *See*—
Olesen, Elven H. and A. J.

Olesen, Elven H. and A. J., Leominster, Mass. Ice-fishing tilt. 2,569,946, Oct. 2.

Oliver, Henry, assignee: *See*—
West, Charles.

Olscheske, Arthur G.: *See*—
Gallot, Charles, and Olscheske.

Olsen, Robert E., Venice, assignor to Mitchell Manufacturing Co., Tru-Ad Division, Los Angeles, Calif. Germicidal lamp mounting and reflector. 2,569,772, Oct. 2.

Olson, Carl A., Jamaica, N. Y. Dispensing device for packaged articles. 2,569,572, Oct. 2.

Oregonian Publishing Company, The, assignee: *See*—
Rockwell, Chauncey L.

Orr, Leighton E., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Electroconductive article. 2,569,773, Oct. 2.

Orwin, Olaf J. B., assignor to Fisher & Ludlow Limited, Smethwick, England. Conveyer chain track structure. 2,569,947, Oct. 2.

Osojnak, Boris M., Pittsburgh, Pa. Conveyer for bakers' ovens. 2,570,150, Oct. 2.

Ostline, John E.: *See*—
Balzer, Harvey W., and Ostline.

Otis, Howard J., Kansas City, Mo. Bathtub. 2,569,825, Oct. 2.

Otto, Earl M., Washington, D. C. Dry cell composition. 2,569,491, Oct. 2.

Owens-Corning Fiberglas Corporation, assignee: *See*—
Philipps, Thomas E.
Stalego, Charles J.

Owens, Harry W., San Francisco, Calif., assignor to Mergenthaler Linotype Company. Spring engaged clutch for typographical machines. 2,569,573, Oct. 2.

Package Devices, Inc., assignee: *See*—
Jesnig, Charles J.

Packard, Elon E., Los Angeles, Calif. Rivet. 2,569,826, Oct. 2.

Packwood, George H., Jr., St. Louis, Mo. Orifice guard construction for dispensers. 2,569,774, Oct. 2.

Paine, Louis A., West Lafayette, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Balanced thermal demand meter. 2,569,868, Oct. 2.

Palmer, Frederick A., Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Shipping container. 2,570,070, Oct. 2.

Palmer, John P., assignor to The Palmer Welloct Tool Corporation, Meadville, Pa. Expansible sleeve anchoring device. 2,570,003, Oct. 2.

Palmer Welloct Tool Corporation, The, assignee: *See*—
Palmer, John P.

Pan-American Refining Corporation, assignee: *See*—
Adams, Leon M., Brandt, Lee, and Wadsworth.

Pan, Wen Y., Collingswood, N. J., assignor to Radio Corporation of America. Signal detector circuit. 2,569,687, Oct. 2.

Park, Harold F., East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Making conjugated diene copolymers. 2,569,688, Oct. 2.

Parker Appliance Company, The, assignee: *See*—
Davies, Robert H.

Parker, James A., Miami, Fla. Two-in-one bed. 2,569,574, Oct. 2.

Parsons, George B., Roosevelt, assignor to American Car and Foundry Company, New York, N. Y. Resilient car wheel. 2,569,617, Oct. 2.

Pascale, Morris: *See*—
Ambrosino, John, and Pascale.

Passino, Herbert J., Englewood, and R. M. Mantell, Newark, assignors to The M. W. Kellogg Company, Jersey City, N. J. Production of organo-tin compounds. 2,569,482, Oct. 2.

Patent and Licensing Corporation, The, assignee: *See*—
Nall, Robert L.

Patterson, Ray A.: *See*—
Larson, Roy C., and Patterson.

Paulsen, Robert C., West Caldwell, N. J., assignor to International Business Machines Corporation, New York, N. Y. Polarity pulsing of triggers. 2,569,827, Oct. 2.

Paulson, Lewis, assignee: *See*—
Lewis, Oscar, and Kabisch.

Peacock, Finley C., and J. B. Engel, assignors to Bay West Paper Company, Green Bay, Wis. Towel cabinet. 2,569,528, Oct. 2.

Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,569,775, Oct. 2.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Cushing, Russell E., and Swenson.
La Lande, William A., Jr., Aeugle, and Molyneux.

Penny, Rufus S., Richmond, Va. Spray gun for projecting powdered materials. 2,570,004, Oct. 2.

People in the territory of the United States, dedicated to the free use of the, assignee: *See*—
Stedronsky, Victor L., and Shaw.

Peoples First National Bank & Trust Company, assignee: *See*—
Henderson, Albert.

Person, Robert P.: *See*—
Skidmore, Wallace E., Person, and Terdina.

Persons, Lawrence M., Chesterfield, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Electric switch. 2,569,776, Oct. 2.

Pestarini, Joseph M., Staten Island, N. Y. Direct-current dynamoelectric machines in parallel. 2,570,005, Oct. 2.

Petersen, Otto H., Fayetteville, N. Y., assignor to General Electric Company. Cyclic gear mechanism. 2,570,151, Oct. 2.

Petrocarbon Limited, assignee: *See*—
Boyd-Barrett, Herbert S., Holker, and Steiner.

Pett, Alfred W., Warwick, R. I. Flow controller. 2,570,152, Oct. 2.

Philadelphia Metal Drying Form Company, Inc., assignee: *See*—
Seligman, Joseph.

Phillipps, Thomas E., Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation. Air filter. 2,569,575, Oct. 2.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,569,777, Oct. 2.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,569,778, Oct. 2.

Phillips, Roy A., Peterborough, Ontario, Canada, assignor to General Electric Company. Reclosing mechanism for circuit breakers. 2,570,153, Oct. 2.

Phillips Petroleum Company, assignee: *See*—
Barton, Hugh M., Jr.
Benedict, Bruce C., and Axe.
Buttolph, Doyle D.
Grantham, Lloyd B.
Myers, John W.

Piano Cello-Tone Company, assignee: *See*—
Crippen, Herbert O., Sr.

Picchioni, Luigi: *See*—
Corsi, Telemaco, and Picchioni.

Pierce Company, assignee: *See*—
Calkin, Frank G.

Pierce, Harold C., Pomona, Calif. Box load support. 2,569,731, Oct. 2.

Pirelli Societá Per Azioni, assignee: *See*—
Walk, Eugenio.

Pistey, John M.: *See*—
De Reamer, Frank C., and Pistey.

Pittsburgh Plate Glass Company, assignee: *See*—
Orr, Leighton E.

Poilleaux, André: *See*—
Mataré, Herbert F., and Poilleaux.

Polk Development Company, The, assignee: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and Ralph, Jr.

Polk, Ralph, Sr., Miami, and Ralph, Jr., assignors to The Polk Development Company, Tampa, Fla. Apparatus for peeling fruit. 2,570,071, Oct. 2.

Polonsky, Joseph, assignor, by mesne assignments, to Compagnie Generale de Telegraphie Sans Fil, Paris, France. Transmitter modulated by anode control. 2,569,948, Oct. 2.

Pond, Robert F.: *See*—
Hamel, Edward C., Brown, and Pond.

Ponte, Maurice: *See*—
Gutton, Henri, and Ponte.

Poor & Company, assignee: *See*—
Chester, Allan E., and Schram.

Porter, H. K., Inc., assignee: *See*—
Ferguson, Ray E.

Porter, John L., Palo Alto, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation. Method and apparatus for quenching molten material. 2,569,779, Oct. 2.

Porter, William H., La Jolla, Calif. Ventilator. 2,569,689, Oct. 2.

Posture Research Institute, Inc., assignee: *See*—
Wood, Glenn D.

Power Jets (Research and Development) Limited, assignee: *See*—
Umney, Laurie E. R.

Practical Patent Co. Inc., assignee: *See*—
Gersten, Samuel B., and Rashal.

Prendergast, James J., Erie, Pa., assignor to General Electric Company. Horn control system. 2,570,154, Oct. 2.

Prentiss Wabers Products Co., assignee: *See*—
Nelson, Averd.

Prescott, Rochelle, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Resistance strain gauge potentiometer bridge circuit. 2,569,949, Oct. 2.

Prior, Fred, Dallas, Tex. Vehicle fuel tank assembly. 2,569,493, Oct. 2.

Prior, Fred, Dallas, Tex. Vehicle fuel tank assembly. 2,569,494, Oct. 2.

Proctor & Schwartz, Inc., assignee: *See*—
Hurxthal, Alpheus O., and O'Keeffe.

Prosperity Company, Inc., The, assignee: *See*—
Neuroth, John, and Smith.

Pyrene Manufacturing Company, assignee: *See*—
Durfee, Charles G., and Ferguson.

Quaker Oats Company, The, assignee: *See*—
Dunlop, Andrew P., and Stout.

Quear, Eugene C., and W. C. Shaw, Anderson, and J. R. Edwards, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich. Apparatus for molding thermoplastic material. 2,569,535, Oct. 2.

Quinn, Frank P., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,569,950, Oct. 2.

Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Record controlled printing device with feed control tape. 2,569,829, Oct. 2.

Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine with means for handling positive and negative balances. 2,569,830, Oct. 2.

Radio Corporation of America, assignee: *See*—
Artzt, Maurice, and Young.
Coleman, John H.
Harbaugh, Willis E.
Harvey, Robert L., and Landon.
Hernqvist, Karl G.
Pan, Wen Y.
Roberts, Walter V.
Shekels, Howard D.

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Vernon, Calif. Side ported casing apparatus for cementing wells. 2,569,732, Oct. 2.

Ramme, Clarence, Rodeo, Calif. Rearview mirror arrangement. 2,569,576, Oct. 2.

Ransley, Charles E.: *See*—
Jones, Douglas E., Ransley, Ryde, and Williams.

Rashal, Jacob: *See*—
Gersten, Samuel B., and Rashal.

Ratcliffe, Alfred, and G. W. Talbot, Buxton, England, assignors to Imperial Chemical Industries Limited. Machine for washing minerals and ores. 2,570,072, Oct. 2.

Ray, Philip A.: *See*—
Borglin, Joseph N., and Ray.

Reading, Harry J., Steubenville, Ohio, assignor to National Steel Corporation. Method of and apparatus for electroplating. 2,569,577, Oct. 2.

Reda Pump Company, assignee: *See*—
Arutunoff, Armais.

Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Flow apparatus. 2,570,155, Oct. 2.

Reed, Robert D., and J. S. Zink, Tulsa, Okla., said Reed assignor to said Zink. Gas-fired forced air flow unit heater. 2,570,006, Oct. 2.

Reed Roller Bit Company, assignee: *See*—
Schmid, Paul E.

Reintjes, George P., Kansas City, Mo. Furnace wall. 2,570,073, Oct. 2.

Reiss, Harold R., Philadelphia, Pa. Signal comparator system. 2,570,156, Oct. 2.

Rembaux, Anna L. R., sole representative: *See*—
Rembaux, Leon.

Rembaux, Leon, deceased; A. L. R. Rembaux, and G. M. V. R. Thomassin, Brussells, Belgium, sole representatives. Apparatus for the manufacture of hardened glass. 2,569,951, Oct. 2.

Remington Rand Inc., assignee: *See*—
Schremp, Frederick W., and Yeo.

Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Making hollow articles. 2,569,869, Oct. 2.

Rempel Manufacturing, Inc., assignee: *See*—
Rempel, Dietrich G.

Research Corporation, assignee: *See*—
Hall, Herbert J.

Ressinger, Paul M., Highland Park, Ill. Device for removing ink from fountain pens. 2,569,690, Oct. 2.

Reynolds, William B., Bartlesville, Okla., G. Kraus, and A. Conciatori, Cincinnati, Ohio, assignors to General Motors Corporation, Detroit, Mich. Laminated structure. 2,569,536, Oct. 2.

Reynolds, William G., St. Petersburg, Fla. Presser foot. 2,570,007, Oct. 2.

Rheineck, Alfred E., assignor to Hercules Powder Company, Wilmington, Del. Synthetic hard resins prepared from α,β-unsaturated polycarboxylic acids. 2,569,495, Oct. 2.

Richard, Ernest N., Lille, France. Syringe for regional anesthesis of the lower jaw. 2,569,901, Oct. 2.

Ridley, Ian M., Burbank, Calif. Cement gun apparatus. 2,569,952, Oct. 2

Riedy, Earl T.: *See*—
Hausmann, Joseph A., and Riedy.

Rieger, Ernest W., Weirton, W. Va., assignor to National Steel Corporation. Apparatus for electrocoating strip-like material. 2,569,578, Oct. 2.

Rienau, Fred, Ridgewood, and J. F. Germain, Brooklyn, N. Y. Paneling. 2,569,902, Oct. 2.

Ringler, William A., Wayne, Pa., assignor to The Gardner Board and Carton Co. Carton for incandescent lamps. 2,569,733, Oct. 2.

Rinker, Wilhelm, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Projection measuring device with screen and scale sections. 2,569,579, Oct. 2.

Rivers, Heyward, Augusta, Ga., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Device for fluid flow between relatively moving objects. 2,570,179, Oct. 2.

Robbins, Azor D., Hempstead, assignor to Specialties, Inc., Syosset, Long Island, N. Y. Humidity control unit. 2,569,537, Oct. 2.

Roberts, Clark L., Nampa, Idaho. Tractor-drawn corrugator. 2,569,870, Oct. 2.

Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Impedance measuring. 2,569,691, Oct. 2.

Rock, Albin S.: *See*—
Hall, Elisha W., and Rock.

Rockwell, Chauncey L., assignor of one-half to The Oregonian Publishing Company, Portland, Oreg. Newspaper inserting machine. 2,569,692, Oct. 2.

Rodman, Ernest A., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of ketone-containing liquid. 2,570,157, Oct. 2.

Rogers, George T., and I. W. Coleman, McKenney, assignors of one-half to R. P. Sowers, Richmond, Va. Tying device. 2,569,780, Oct. 2.

Rogers, Thomas H.: *See*—
Skehan, Joseph W., and Rogers.

Rohm & Haas Company, assignee: *See*—
De Brenneville, Peter L., and Bock.

Roscoe, Merrill W., Moline, Ill., and R. L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Pickup auger for small grain elevators. 2,569,871, Oct. 2.

Rose, Morris, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 2,569,618, Oct. 2.

Rosenblatt, Pauline E., Cleveland, Ohio. Maternity garter belt. 2,569,953, Oct. 2.

Rossman, Edwin F.: *See*—
Funkhouser, Mearick, and Rossman.

Rotax Limited, assignee: *See*—
Millns, Terence W.

Rothschild, Hans J., assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland. Mold drawing device for molding machines. 2,569,580, Oct. 2.

Rotter, Lutwin C.: *See*—
Klein, Victor G., and Rotter.

Rowe, Joseph: *See*—
Kramer, Irving, and Rowe.

Ruebensaal, Clayton F., Baltimore, Md., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Adhesive for bonding plasticized polyvinyl halide-containing resin surfaces and bonding such surfaces. 2,569,954, Oct. 2.

Rupp, Walter H., Mountainside, N. J., assignor to Standard Oil Development Company. Dry Ice manufacture. 2,570,074, Oct. 2.

Russell, F. C., Company, The, assignee: *See*—
Milnor, Leland T.

Rutherford, Robert E., Nutley, assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J. Polar co-ordinate cathode-ray tube. 2,570,008, Oct. 2.

Ryall, Thomas H., New Westminster, British Columbia, Canada. Making bevelled siding. 2,569,831, Oct. 2.

Ryde, John W.: *See*—
Jones, Douglas E., Ransley, Ryde, and Williams.

Ryland, Junior S., Santa Barbara, Calif. Jaw adjusting means for slidable side jaw wrenches. 2,569,581, Oct. 2.

Ry-Lock Company, Ltd., assignee: *See*—
Jensen, Jack H.

Saalfrank, Royal B., Gulfport, Fla., assignor to Milton Roy Company, Philadelphia, Pa. Valve and pump. 2,569,734, Oct. 2.

Sacchitella, Eugene, New York, N. Y. Shirt embodying a detachable collar construction. 2,569,693, Oct. 2.

Sackner Products, Inc., assignee: *See*—
Cook, Wayne S.

Safway Steel Products, Inc., assignee: *See*—
Craighead, Philip B., and Nelson.
Hauck, Robert M.

St. Regis Paper Company, assignee: *See*—
Burroughs, Edwin E.

Salvaneschi, Pino, Mexico City, Mexico. Apparatus and method for molding tubes from cementitious material. 2,569,538, Oct. 2.

Salvin, Victor S., Irvington, and J. R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. 2-nitrodiphenylamine-4-sulfonmorpholides. 2,569,694, Oct. 2.

Santarelli, Vincent, Detroit, Mich. Sprayer. 2,569,903, Oct. 2.

Sawyer, Carl W.: *See*—
Handley, Robert W., and Sawyer.

Schaible Company, The, assignee: *See*—
Link, Forest L. W.

Schassberger, Norman A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Transparent panel support. 2,569,955, Oct. 2.

Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield mounting. 2,569,496, Oct. 2.

Schempp, Emanuel, assignee: *See*—
Schrank, Neil M.

Schenley Industries, Inc., assignee: *See*—
Andersag, Hans, and Mauss.

Schick, John W., Camden, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of fibrous material and product resulting therefrom. 2,569,695, Oct. 2.

Schiesel, Ervin E., Meriden, Conn. Combined variable area nozzle and after-burner control for jet motors. 2,569,497, Oct. 2.

Schiltknecht, Adolf, Neuhausen, assignor to Societe Anonyme pour l'Industrie de l'Aluminium, Chippis, Switzerland. Cartouche for joining metal bodies, especially for light metals, by welding. 2,569,956, Oct. 2.

Schissel, Paul O., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for separating charged particles of different mass-to-charge ratios. 2,570,158, Oct. 2.

Schlatter, Eugene J., Mount Rainer, Md. Instrument for determining slope from stereoscopic images. 2,569,498, Oct. 2.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,570,159, Oct. 2.

Schmachtenberg, Everett C.: *See*—
Lancaster, John E., Haeberlein, and Schmachtenberg.

Schmid, Paul E., assignor to Reed Roller Bit Company, Houston, Tex. Throttle valve for fluid actuated rotary tools. 2,570,009, Oct. 2.

Schmidt, Otto M., Lansdale, Pa. Thread carrier. 2,569,904, Oct. 2.

Schnabel, Theodore E., Southfield Township, Oakland County, Mich. Fish bait. 2,569,642, Oct. 2.

Schneider, Walter H., Zurich, Switzerland. Production of staple fibers of artificial materials such as rayon. 2,569,957, Oct. 2.

Schoch, Fred C., Oak Park, Ill. Closure lock. 2,570,160, Oct. 2.

Schoenster, Peter J., Teaneck, and M. E. Ebert, assignors to Alfred Hofmann & Co., West New York, N. J. Knitting machine. 2,569,582, Oct. 2.

Schram, Irwin H., Jr.: *See*—
Chester, Allan E., and Schram.

Schrank, Neil M., assignor of one-half to E. Schempp, Maidstone, Saskatchewan, Canada. Adjustable draft mounting for revertible draft heater fire pots. 2,569,781, Oct. 2.

Schreiber, John F.: *See*—
Cassidy, Robert C., Schreiber, and Tidd.

Schremp, Frederick W., Stamford, and E. J. Yeo, Norwalk, Conn., assignors to Remington Rand Inc., New York, N. Y. Visible margin-stop setting mechanism for typewriters. 2,569,696, Oct. 2.

Schultz, Harold W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Friction material. 2,569,539, Oct. 2.

Schwark, Paul R., assignor of one-half to C. V. Spinnenweber, Port Ewen, N. Y. Attached can opener. 2,569,905, Oct. 2.

Schwartz, Daniel M., Salt Lake City, Utah, assignor to Dravo Corporation, Pittsburgh, Pa. Marine railway haul drive. 2,570,161, Oct. 2.

Schwarz, Leonard H., Hartford, assignor to J. H. Sessions & Sons, Bristol, Conn. Retainer for clothes hangers. 2,570,075, Oct. 2.

Schwede, Robert K., Appleton, Wis. Refrigerator car. 2,570,162, Oct. 2.

Scott, Benjamin B., and A. D. Coggeshall, Schenectady, N. Y., assignors to General Electric Company. Precision resistance and making it. 2,570,163, Oct. 2.

Scott, Richard H., Hale, and A. S. Hayward, Altrincham, assignors to Linotype and Machinery Limited, London, England. Multiple magazine adjusting means. 2,569,583, Oct. 2.

Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.

Selby, Harold E., Brooklyn, N. Y., assignor, by mesne assignments, to Bishop Manufacturing Corporation, Summit, N. J. Self-sealing insulating material of high dielectric strength. 2,569,540, Oct. 2.

Selby, Harold E., Brooklyn, N. Y., assignor, by mesne assignments, to Bishop Manufacturing Corporation, Summit, N. J. Electrical insulation comprising polyethylene, polyisobutylene, isobutylene-diolefin copolymer, and lubricant. 2,569,541, Oct. 2.

Seligman, Joseph, assignor to Philadelphia Metal Drying Form Company, Inc., Philadelphia, Pa. Steam circulator. 2,569,735, Oct. 2.

Semm, Paul T., Batavia, and R. T. Nakasone, assignors to Wheelco Instruments Company, Chicago, Ill. Reversible motor control apparatus. 2,569,697, Oct. 2.

Seneca Falls Machine Company, assignee: *See*—
Small, Frederick B.

Sessions, J. H., & Sons, assignee: *See*—
Schwarz, Leonard H.

Shaff, Ernest H., Spring Lake, assignor to Keller Tool Company, Grand Haven, Mich. Power-operated screw driver. 2,570,164, Oct. 2.

Shannon, Frank S.: *See*—
Hawk, Blaine W., and Shannon.

Shaw, Charles S.: *See*—
Stedronsky, Victor L., and Shaw.

Shaw, George S.: *See*—
Bertrand, Joseph V., and Shaw.

Shaw, Willard C.: *See*—
Quear, Eugene C., Shaw, and Edwards.

Shekels, Howard D., St. Paul, Minn., assignor to Radio Corporation of America. Limited-area cathode. 2,570,165, Oct. 2.

Shell Development Company, assignee: *See*—
Cheney, Harry A.
Fetterly, Lloyd C.

Shellmar Products Corporation, assignee: *See*—
Lennon, James W.

Shepard, Francis H., Jr., Madison, N. J. Apparatus for controlling rectified voltage. 2,569,698, Oct. 2.

Shepherd-Smith, Stephen, Beaconsfield, assignor to Austin Hoy & Company Limited, Aylesbury, England. Coal-cutter chain. 2,569,584, Oct. 2.

Shoemer, Arthur C., Garrett, Ind. Clothes drying rack. 2,569,832, Oct. 2.

Shoub, Harry, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Wire-resistance gauge for measuring large strains. 2,569,499, Oct. 2.

Simon, John, Tramelan, Switzerland. Watchcase with locking means. 2,569,619, Oct. 2.

Simpson, John W.: *See*—
Wade, Elmer J., and Simpson.

Simpson, Park P., Sr., Dallas, Tex. Live bait trap and container. 2,569,833, Oct. 2.

Sims, William R., Carthage, Tex. Derrick platform structure. 2,570,076, Oct. 2.

Sinoff, Harry, assignee: *See*—
Kramer, Irving, and Rowe.

Skehan, Joseph W., Stamford, and T. H. Rogers, New Canaan, assignors to Machlett Laboratories, Incorporated, Springdale, Conn. Electron discharge tube. 2,569,672, Oct. 2.

Skidmore, Wallace E., R. P. Person, and F. Terdina, Seattle, Wash., assignors to Boeing Airplane Company. Actuating screws. 2,569,542, Oct. 2.

Skuttle Manufacturing Company, assignee: *See*—
Bottum, Edward W.

Sloane, Robert W., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Economizer. 2,569,782, Oct. 2.

Small, Frederick B., Waterloo, assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Power actuator with pilot control. 2,569,585, Oct. 2.

Small, Frederick B., Waterloo, assignor to Seneca Falls Machine Company, Seneca Falls, N. Y. Driving mechanism with pilot control. 2,569,586, Oct. 2.

Smalling, Jack W.: *See*—
Morrow, Morris R., and Smalling.

Smith, A. O., Corporation, assignee: *See*—
Burklin, Adolf J.
Collins, Donley S.
Gruetjen, Frederick A.

Smith, Alfred B., Houston, Tex. Supporting casing for collapsible tube, having extruding mechanism for the contents of said tube. 2,570,077, Oct. 2.

Smith, Arthur F.: *See*—
Carroll, Fred M., and Smith.

Smith, Cloyd D.: *See*—
Briggs, Stanley M., Driscoll, and Smith.

Smith, Floyd A., Vicksburg, Mich. Boat fastening apparatus. 2,569,783, Oct. 2.

Smith, Frederick A., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparing tetra alkyl orthosilicate. 2,569,784, Oct. 2.

Smith, James C.: *See*—
Neuroth, John, and Smith.

Smith, James W., Austin, Tex. Armrest. 2,569,834, Oct. 2.

Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ullyot.

Smith, Paul V., Jr., Westfield, and F. Knoth, Jr., Union, N. J., assignors to Standard Oil Development Company. Esters of aliphatic dibasic acids and ether-alcohols containing a branched chain in the glycol group. 2,570,037, Oct. 2.

Smith, Paul V., Jr., Westfield, and F. Knoth, Jr., Union, N. J., assignors to Standard Oil Development Company. Phenylenediacetate ester. 2,570,038, Oct. 2.

Snyder, Virgil B., Washtucna, Wash. Multiple-drill tractor hitch. 2,569,736, Oct. 2.

Société anonyme: Compagnie Industrielle de Machines Automatiques de Comptabilite, assignee: *See*—
Baldé, Ulysse L. G.

Société Anonyme des Ateliers d'Aviation Louis Breguet assignee: *See*—
Devillers, René.

Société Anonyme des Hauts-Fourneaux & Fonderies de Pont-a-Mousson, assignee: *See*—
Laurent, André.

Société Anonyme dite: Compagnie des Freins & Signaux Westinghouse, assignee: *See*—
Mataré, Herbert F., and Poilleaux.

Société Anonyme pour l'Industrie de l'Aluminium, assignee: *See*—
Schlitknecht, Adolf.

Société des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Charpentier, Paul.
Fluchaire, Maurice L. A., and Collardeau.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Schick, John W., and Hartough.

Sorensen & Company, Inc., assignee: *See*—
Sorensen, Edward M.

Sorensen, Edward M., deceased, by H. S. Sorensen, administratrix, assignor to Sorensen & Company, Inc., Stamford, Conn. Voltage regulator. 2,569,500, Oct. 2.

Sorensen, Helen S., administratrix: *See*—
Sorensen, Edward M.

Southwest Airways Company, assignee: *See*—
Connelly, John H.

Sowers, R. Pinkney, assignee: *See*—
Rogers, George T., and Coleman.

Spanich, John I., Plymouth, Mich. Mechanism for applying brake linings. 2,569,737, Sept. 4.

Spare, Lola R., Pasadena, Calif., Shirt type garment. 2,569,643, Oct. 2.

Spearman, Richard D.: *See*—
Bopanower, Albert M., and Spearman.

Specialties Development Corporation, assignee: *See*—
Newman, Marcel K.

Specialties Inc., assignee: *See*—
De Beauregard, Amédée C.
Robbins, Azor D.

Speigel, Nell, assignee: *See*—
Friedman, Max.

Sperry Corporation, The, assignee: *See*—
Ford, Hannibal C.
Newell, William H., Tear, and Brown.

Spinnenweber, Charles V., assignee: *See*—
Schwark, Paul R.

Sporing, Percy A., Hampton Hill, and C. P. Johnson, Hanwell, England. Applying metal foil to paper in strip form. 2,569,785, Oct. 2.

Spremulli, Paul F., assignor to Corning Glass Works, Corning, N. Y. Stirrer and feeder. 2,570,078, Oct. 2.

Spremulli, Paul F., assignor to Corning Glass Works, Corning, N. Y. Glass stirrer and feeder. 2,570,079, Oct. 2.

Staal, Cornelis J. H. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Multiplex transceiving arrangement. 2,570,010, Oct. 2.

Stacey, Edward L., Houston, Tex. Setting of tool for brake drum machining. 2,569,873, Oct. 2.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Method and apparatus for forming glass fibers. 2,569,699, Oct. 2.

Stalego, Charles J., Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Making colored glass fibers. 2,569,700, Oct. 2.

Stamberger, Paul, Stamford, Conn. Diaper. 2,570,011, Oct. 2.

Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., and Swaney.
Eby, Lawrence T.
Heinrich, Raymond L.
Hunter, Edward A.
Kimberlin, Charles N., Jr.
Meinert, Richard N.
Morrow, Morris R., and Smalling.
Palmer, Frederick A.
Rupp, Walter H.
Smith, Paul V., Jr., and Knoth.
Stone, Albert L.
Wadley, Edward F.

Stansell, Earl E., assignee: *See*—
Fort, William H.

Stapf, Joseph E., Hamilton, Ohio. Pivoted jaw mop wringer. 2,569,786, Oct. 2.

Starke, Albert C., Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Light-sensitive emulsions containing color formers capable of yielding nonmigratory azine dyestuffs. 2,569,906, Oct. 2.

Steckling, Hugo, Wausau, Wis. Revolving sash and door holder. 2,569,620, Oct. 2.

Stedronsky, Victor L., State College, N. Mex., and C. S. Shaw, Leland, Miss., dedicated to the free use of the People in the territory of the United States. Lint cotton cleaner. 2,569,501, Oct. 2.

Steiner, Herbert: *See*—
Boyd-Barrett, Herbert S., Holker, and Steiner.

Steinmueller, Ralph E.: *See*—
Dietert, Harry W., and Steinmueller.

Stephenson, Paul A., Evanston, assignor to A. B. Dick Company, Chicago, Ill. Clamp means for duplicator cylinders. 2,569,738, Oct. 2.

Stewart Hartshorn Company, assignee: *See*—
Mayer, Joseph T., Jr.

Stilmar, Frederic B., Woodstown, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission. Organic fluorine compositions and making. 2,569,644, Oct. 2.

Stolp, Charles, Jr., Chicago, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Masonry simulating roll siding and producing same. 2,569,543, Oct. 2.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Impact rotary slip lock. 2,570,039, Oct. 2.

Stone, Albert L., Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Device for gripping pipes. 2,570,080, Oct. 2.

Stone, Lewi, assignee: *See*—
West, Charles.

Stop-Motion Devices Corp., assignee: *See*—
Vossen, Edward.

Stout, Paul R.: *See*—
Dunlop, Andrew P., and Stout.

Stowell, William E., Provo, Utah. Rotary carving tool. 2,569,874, Oct. 2.

Strahman, Dietrick: *See*—
Jaegle, William C., and Strahman.

Striker, Walter D., Cicero, Ill. Paper fastener. 2,570,166, Oct. 2.

Stroup, Howard R., Artesia, N. Mex. Leveling and scraping apparatus with level maintaining hitch. 2,569,835, Oct. 2.

Struve, Steve L., Levelland, and N. O. Welch, Friona, Tex. Home pasteurizer with removable inner receptacle and sealing means therefor. 2,569,958, Oct. 2.

Swaney, Miller W.: *See*—
Carlson, Carl S., and Swaney.

Swenson, Ross L.: *See*—
Cushing, Russell E., and Swenson.

Swern, Daniel, and T. W. Findley, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Epoxidized oils, 2,569,502, Oct. 2.

Swoboda, Karl: *See*—
Krainer, Helmuth, and Swoboda.

Sylvania Electric Products Inc., assignee: *See*—
Mann, Oliver.

Szczeniowski, Boleslaw, Montreal, Quebec, Canada. Apparatus for producing high-intensity ultrasonic waves. 2,570,081, Oct. 2.

T. M. M. (Research) Limited, assignee: *See*—
Haythornthwaite, James J.

Tal, Edward T., Milwaukee, Wis. Portable bending machine. 2,569,544, Oct. 2.

Talbot, Geoffrey W.: *See*—
Ratcliffe, Alfred, and Talbot.

Tamaro, Frank: *See*—
Barton, Charles K., Jr., and Tamaro.

Tatelshi, Arthur, Toronto, Ontario, Canada. Record player assembly. 2,569,587, Oct. 2.

Tatosian, Harry G., Bronx, assignor to King Kone Corporation, New York, N. Y. Endless band blade bread slicer. 2,569,545, Oct. 2.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Acetone-soluble unsaturated copolymerizate of a di-2-alkenyl itaconate and a 2-alkenyl chloride. 2,569,959, Oct. 2.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Acetone-soluble unsaturated interpolymer of a di-2-alkenyl itaconate, a styrene, and a 2-alkenyl chloride. 2,569,960, Oct. 2.

Taylor, Everett E., Lindsay, Calif. Wheel suspension. 2,569,787, Oct. 2.

Tear, James D.: *See*—
Newell, William H., Tear, and Brown.

Technicolor Motion Picture Corporation, assignee: *See*—
Griffith, Everette E., Jr.

Teleflex Antenna Co., assignee: *See*—
Hamel, Edward C., Brown, and Pond.

Teller, Charles H.: *See*—
Marsell, Philip A., and Teller.

Temple, Mervyn, London, England. Rouleau turner. 2,570,012, Oct. 2.

Terdina, Frank: *See*—
Skidmore, Wallace E., Person, and Terdina.

Terry, Edward J., Flint, Mich., and G. R. McCormick, Ilion, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flushing nozzle. 2,569,588, Oct. 2.

Texas Company, The, assignee: *See*—
Agnew, Robert J., and Conary.
Eastman, Du Bois.
Lee, Burton D.
Wolf, Alexander.
Wolf, Alexander, and Lee.

Thelander, W. Vincent, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio. Clutch plate. 2,569,503, Oct. 2.

Thermal Liquids, Inc., assignee: *See*—
Cataldo, John B.

Thévenaz, Louis: *See*—
Thorens, Robert, and Thévenaz.

Thierry, John A., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Differential cylinder-piston assembly. 2,569,504, Oct. 2.

Thomassin, Germaine M. V., sole representative: *See*—
Rembaux, Leon.

Thompson, George A., and R. Hagen, Los Angeles, Calif. Deck of playing cards. 2,569,701, Oct. 2.

Thorens, Hermann, Societe Anonyme, assignee: *See*—
Thorens, Robert, and Thévenaz.

Thorens, Robert, Sainte-Croix, and L. Thévenaz, Les Rasses, near Sainte Croix, assignors to Hermann Thorens Societe Anonyme, Sainte Croix, Switzerland. Talking machine with record changer. 2,570,040, Oct. 2.

Thrash, Millard C., United States Navy. Navigational computer. 2,569,505, Oct. 2.

Thunberg, Knute G. A., San Diego, Calif. Swiveling rocker crutch. 2,569,739, Oct. 2.

Tidd, Elbert De F.: *See*—
Cassidy, Robert C., Schreiber, and Tidd.

Tidd, Elbert De F., Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Radiant heating installation. 2,569,961, Oct. 2.

Tilbury, Lyle C., Hunt, Tex. Gate. 2,569,836, Oct. 2.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R.

Tinley, Ernest L., and F. Cartwright, assignors to Joshua Bigwood & Son, Limited, Wolverhampton, England. Machine for bending plates. 2,569,962, Oct. 2.

Tobey, Leon H., assignor to Bloomer Bros. Company, Newark, N. Y. Carton dispenser. 2,570,167, Oct. 2.

Todd, Richard W., executor: *See*—
Hanna, William T.

Toney, Henry W., assignor to The Kawneer Company, Niles, Mich. Awning construction. 2,569,621, Oct. 2.

Trainor, Robert C., Pittsburgh, Pa. Adjustable support for mirrors. 2,569,622, Oct. 2.

Traylor, Samuel W., Jr., Allentown, Pa. Support for rotary kilns. 2,570,082, Oct. 2.

Treue, Robert C., Waynesville, N. C., assignor to The Dayton Rubber Company, Dayton, Ohio. Spinning cot. 2,569,546, Oct. 2.

Trissell, Robert F., San Francisco, Calif. Belt reeler and cutter. 2,569,589, Oct. 2.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for weft replenishing looms. 2,569,547, Oct. 2.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control means for weft ends in looms. 2,569,907, Oct. 2.

Twitty, Frank L., Bronxville, N. Y. Combination comb and brush. 2,569,908, Oct. 2.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Umney, Laurie E. R., Marlow, assignor to Power Jets (Research and Development) Limited, London, England. Nonrotary centrifugal separator. 2,569,909, Oct. 2.

Underwood Corporation, assignee: *See*—
Helmond, William F.
Jones, Willard C.

Union Carbide and Carbon Corporation, assignee: *See*—
Culbertson, James B., Erasmus, and Fowler.
Smith, Frederick A.

United Aircraft Corporation, assignee: *See*—
Campbell, Paul J

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Handley, Robert W., and Sawyer.
Hatcher, Alexander P.
Stilmer, Frederic B.
Wade, Elmer J., and Simpson.

United States Hoffman Machinery Corporation, assignee: *See*—
Berger, Meyers M.

U. S. Manufacturing Corporation, assignee: *See*—
Hobbs, Charles B.

United States Rubber Company, assignee: *See*—
Barnes, Charles E., Sr., and Charles E., Jr.
Cassidy, Robert C., Schreiber, and Tidd.
Ruetenaal, Clayton F.
Tawney, Pliny O.
Tidd, Elbert D.

Urban, Victor, Pretoria, Transvaal, Union of South Africa. Blending of dry powdered materials. 2,570,168, Oct. 2.

Vandenberg, Edwin J., assignor to Hercules Powder Company, Wilmington, Del. Emulsion polymerization of certain vinyl compounds using a mercaptan modifier, a hydroperoxide catalyst, and oxygen. 2,569,506, Oct. 2.

Vanderbilt, R. T., Co., Inc., assignee: *See*—
Johnston, Norman F.

Van Hartenberg, Bonifacius J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Frequency discriminator. 2,570,013, Oct. 2.

Van Inwen Scheuau, Bernardus W., and G. J. Lubben, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for producing high-direct voltages. 2,570,014, Oct. 2.

Van Loon, Carel J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Superheterodyne receiving circuit arrangement. 2,570,016, Oct. 2.

Van Loon, Carel J., and W. Beukema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Control device. 2,570,015, Oct. 2.

Van Schoyck, Carl W., Waterloo, Iowa. Expansible and contractible wheel hub and clamping means therefor. 2,569,590, Oct. 2.

Varifiame Corporation, The, assignee: *See*—
Woodruff, Henry S.

Veier, Louis G.: *See*—
Kellett, William E., and Veier.

Venuti, Henry E., Newburgh, N. Y. Combination air duct and girder. 2,569,910, Oct. 2.

Verhagen, Christian M., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 2,570,169, Oct. 2.

Viall, George K., assignor to Chain Belt Company, Milwaukee, Wis. Sterilising canned foods. 2,569,645, Oct. 2.

Vickers-Armstrongs Limited, assignee: *See*—
Daniels, Flavius K.

Villars, Julio, Versoix, Switzerland. Lifting device. 2,569,837, Oct. 2.

Vinson, Walter L., Sherman Oaks, Calif. Device for regulating mixed fluid temperatures. 2,569,838, Oct. 2.

Vitarama Corporation, The, assignee: *See*—
Waller, Fred.

Vitt, John G. M., Philadelphia, Pa., assignor to General Electric Company. Compound escapement with spring mounted mass. 2,570,170, Oct. 2.

Vollmer, John J.: *See*—
White, John W., and Vollmer.

Vonderesmith, Philip G., assignee: *See*—
Garratt, Walter A.

Von Kohorn, Henry, Scarsdale, N. Y. Apparatus for the handling of yarn. 2,570,172, Oct. 2.

Von Kohorn, Henry, Scarsdale, N. Y. Producing yarn. 2,570,173, Oct. 2.

Von Kohorn, Henry and R. S., New York, N. Y. Deaeration apparatus. 2,570,171, Oct. 2.

Von Kohorn, Ralph S.: *See*—
Von Kohorn, Henry and R. S.

Von Schlegell, Frederick, Pasadena, Calif. Hydraulic operating system for mowing machines. 2,569,507, Oct. 2.

Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Stop motion for circular looms. 2,569,591, Oct. 2.

Wade, Elmer J., Schenectady, N. Y., and J. W. Simpson, Wilkinsburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission. Electrical simulator. 2,569,646, Oct. 2.

Wadley, Edward F., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Production of thiophene from diolefin and hydrogen sulfide. 2,570,083, Oct. 2.

Wadsworth, Francis T.: *See*—
Adams, Leon M., Brandt, Lee, and Wadsworth.

Wallace & Tiernan Products, Inc., assignee: *See*—
MacKay, John R.

Waller, Fred, Huntington, assignor to The Vitarama Corporation, Huntington Station, N. Y. Shutter for dissolving projected images with lenses of different sizes. 2,569,875, Oct. 2.

Ward, Raymond W., Maplewood, N. J. Dispensing container. 2,569,963, Oct. 2.

Warner, Harold W., San Diego, Calif. Sperm receptacle for analysis. 2,569,702, Oct. 2.

Wasco, Joseph L.: *See*—
Aiquist, Francis N., Wasco, and Kauer.

Washburn, Watson, co-executor: *See*—
De Bothezat, George.

Waters, Harry F., New York, N. Y. Duplex bag and making same. 2,569,964, Oct. 2.

Watson, Nathan J., assignor to Johnson Biscuit Company, Sioux City, Iowa. Unloading mechanism for cooky coating conveyers. 2,569,839, Oct. 2.

Weaver, Raymond A., Los Angeles, Calif. Circumferentially traveling type, pedestal mounted, tire mounting device. 2,569,788, Oct. 2.

Weaver, Raymond A., Los Angeles, Calif. Machine with circumferentially traveling elements for mounting tires. 2,569,789, Oct. 2.

Webb, Christopher F., assignor to Bell Punch Company Limited, London, England. Key-operated calculator. 2,569,308, Oct. 2.

Weber, Carl F., Ontario, Calif., assignor to General Electric Company. Metal cleaning and plating process. 2,570,174 Oct. 2.

Wedig, Frank L., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Television receiver chassis construction. 2,570,017, Oct. 2.

Wedmore, Hardin S., Santa Cruz, Calif. Soldering iron stand. 2,570,041, Oct. 2.

Weiland, Jerome G., Evanston, Ill. Measuring spoon. 2,569,703, Oct. 2.

Weller, Peter R., Aurora, Ill., assignor to Zenith Radio Corporation. Alternating-current-direct-current rectifier circuit. 2,570,175, Oct. 2.

Weimer, Glen L.: *See*—
Bucklen, Herbert E., III, and Weimer.

Weiskopf, Edwin C., New York, N. Y. Multiple lamp apparatus for interchanging liquid-cooled lamps. 2,569,876, Oct. 2.

Weiss, Joseph G., Detroit, Mich. Eraser. 2,569,704, Oct. 2.

Welch, Nelson O.: *See*—
Struve, Steve L., and Welch.

Wells, James R., Dayton, Ohio. Torque wrench and gear-driven wrench adapter. 2,569,509, Oct. 2.

West, Charles, assignor to H. Oliver and L. Stone, London, England. Apparatus for polishing precious stones. 2,569,592, Oct. 2.

West Construction Company, The, assignee: *See*—
West, William C.

West, William C., assignor to The West Construction Company, Chattanooga, Tenn. Pug mill. 2,570,042, Oct. 2.

Western Gear Works, assignee: *See*—
Bannan, Philip L.

Westinghouse Electric Corporation, assignee: *See*—
Green, James H.
Harter, Earl F.
Redding, Arnold H.

Whalen, Richard J., and S. T. Kulpa, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Record feeding and recording apparatus. 2,569,840, Oct. 2.

Wheelco Instruments Company, assignee: *See*—
Semm, Paul T., and Nakasone.

White, John: *See*—
Mansfield, Wilfred P., and White.

White, John W., Los Angeles, and J. J. Vollmer, San Fernando, Calif., said Vollmer assignor to said White. Valve for suction socket prosthesis. 2,569,790, Oct. 2.

Whitefield, Orville N., Sonora, Tex. Adjustable brake latch. 2,569,841, Oct. 2.

Whitney, Walter D., San Francisco, Calif. Clutch head. 2,569,593, Oct. 2.

Widmer, Willi, Bottmingen, and A. Buehler, Rheinfelden, assignors to Ciba Limited, Basel, Switzerland. Metalliferous azo-dyestuffs. 2,570,085, Oct. 2.

Widmer, Willy: *See*—
Felix, Friedrich, Heckendorn, and Widmer.

Widmer, Willy, Bottmingen, and J. Brassel, assignors to Ciba Limited, Basel, Switzerland. Complex chromium azo compound. 2,570,084, Oct. 2.

Wiedman, Edward L., Tonawanda, N. Y. Truck body. 2,569,965, Oct. 2.

Wild, Rudolf F., Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Voltage control system utilizing frequency modulation. 2,569,791, Oct. 2.

Will-Burt Company, The, assignee: *See*—
Baer, Edward G.

Williams, Frances M., executrix: *See*—
Jones, Douglas E., Ransley, Ryde, and Williams.

Williams, Marshall: *See*—
Kirtner, Bud E., Barker, Williams, and Jackson.

Williams, Perry, assignee: *See*—
Lewis, Oscar, and Kabisch.

Williams, Stanley V.: *See*—
Jones, Douglas E., Ransley, Ryde, and Williams.

Williamson, James C., Albany, Ga. Combination Venetian blind and awning. 2,570,018, Oct. 2.

Willys-Overland Motors, Inc., assignee: *See*—
Schassberger, Norman A.

Wilson, Nolan E., Homer, La. Fish lure. 2,569,792, Oct. 2.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film-loop former. 2,570,176, Oct. 2.

Wognum, James N., assignor to Acme Steel Company, Chicago, Ill. Strap stretching device. 2,569,623, Oct. 2.

Wolf, Alexander, Houston, Tex., assignor to The Texas Company, New York, N. Y. Electrical analogues. 2,569,510, Oct. 2.

Wolf, Alexander, and B. D. Lee, Houston, Tex., assignors to The Texas Company, New York, N. Y. Electrical analogue. 2,569,817, Oct. 2.

Wolf, Ezekiel, assignee: *See*—
Kramer, Irving, and Rowe.

Wolfe, Martin E.: *See*—
Eitel, William W., and Wolfe.

Wolk, Eugenio, Venice, assignor to Pirelli Societá Per Azioni, Milan, Italy. Protective garment for divers. 2,570,019, Oct. 2.

Wood, Glenn D., assignor to Posture Research Institute, Inc., Elkhart, Ind. Chair having a resilient back rest. 2,570,177, Oct. 2.

Woodruff, Henry S., Cazenovia, assignor to The Varifiame Corporation, White Plains, N. Y. Thermostatically controlled vaporizing fuel burner. 2,569,877, Oct. 2.

Worthington Pump and Machinery Corporation, assignee: *See*—
Lancaster, John E., Haeberlein, and Schmachtenberg.

Wurlitzer, Rudolph, Company, The: *See*—
Zuck, Victor I.

Wychowaniec, Stanley M., and A. Lasis, Superior, Wis. Double door operating mechanism. 2,569,624, Oct. 2.

Wylie, Malcolm R. J., Indiana Township, Allegheny County, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Method and apparatus for determining the streaming-potential characteristics of drilling mud. 2,569,625, Oct. 2.

Yeo, Edward J.: *See*—
Schremp, Frederick W., and Yeo.

Young, Charles E., U. S. Navy. Stabilization network. 2,569,626, Oct. 2.

Young, Charles J.: *See*—
Artzt, Maurice, and Young.

Zenith Radio Corporation, assignee: *See*—
Weller, Peter R.

Ziebols, Herbert, assignor to Electronbeam, Ltd., Chicago, Ill. Signal storing device and proportional-control circuits therefor. 2,569,911, Oct. 2.

Zink, John S.: *See*—
Reed, Robert D., and Zink.

Zuck, Victor I., Kenmore, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Electric organ. 2,570,178, Oct. 2.

Zweifel, George E., & Company, assignee: *See*—
Zweifel, George E., and Bookhultz.

Zweifel, George E., and D. H. Bookhultz, assignors to George E. Zweifel & Company, Portland, Oreg. Sawmill hydraulic carriage assembly. 2,569,842, Oct. 2.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Nozzle, spiral film spray. J. U. Bete. Re. 23,413, Oct. 2. Fuse plug. G. E. Holmes. Re. 23,414, Oct. 2.

LIST OF PLANT INVENTIONS

Hybrid tea rose plant. N. Grillo. 1,043, Oct. 2.

Rose plant. M. L. Whisler. 1,042, Oct. 2.

LIST OF DESIGN INVENTIONS

Advertising device. E. H. Sanders. 164,736, Oct. 2.
Advertising display. J. L. D. Morrison. 164,703–4, Oct. 2.
Alphabet for forming monograms or the like. N. J. Stupel. 164,742, Oct. 2.
Apron. F. Collingwood. 164,672, Oct. 2.
Automobile. A. E. Fry. 164,683, Oct. 2.
Awning. I. P. Smith. 164,738–9, Oct. 2.
Bell. S. S. Sarna. 164,737, Oct. 2.
Birdhouse. M. E. Nissen. 164,707, Oct. 2.
Blouse. J. Kaye. 164,690–1, Oct. 2.
Boot. G. H. Bingham, Jr. 164,667, Oct. 2.
Booth, Child's play. J. M. Webster. 164,748, Oct. 2.
Bottle, Decanter. E. L. Du Pree. 164,677–8, Oct. 2.
Box, Perfume. J. L. Younghusband. 164,755, Oct. 2.
Bracelet or the like. A. Philippe. 164,711, Oct. 2.
Bracelet or the like. A. Philippe. 164,730, Oct. 2.
Brooch or similar article. A. Philippe. 164,720–6, Oct. 2.
Cabinet, Dishwasher. J. Stanitz. 164,740, Oct. 2.
Cabinet Display. C. Kafer. 164,689, Oct. 2.
Cabinet or similar article, Television. J. Barofsky. 164,663–6, Oct. 2.
Cap, Bathing. B. A. Williams. 164,751–3, Oct. 2.
Casing for space heaters or similar articles. R. G. Churan and R. M. Lawless. 164,671, Oct. 2.
Chain for a necklace or the like, Link. A. Philippe. 164,712, Oct. 2.
Chair. J. Popkin. 164,732, Oct. 2.
Chair, Wheel. W. H. Adams. 164,662, Oct. 2.
Clasp, Money. R. C. Haltom. 164,685, Oct. 2.
Clock or similar article. I. Horowitz. 164,686, Oct. 2.
Crib, Infant's. A. G. Feldman. 164,679–81, Oct. 2.
Cubicle partition unit. E. F. Quinn. 164,734, Oct. 2.
Dispenser for olives, cherries, small onions, and the like. C. M. Stern and G. C. Cattani. 164,741, Oct. 2.
Dispenser frame, Tape. M. Pretzfelder, Jr. 164,733, Oct. 2.
Earring or similar article. A. Philippe. 164,719, Oct. 2.
Earring or similar article. A. Philippe. 164,727–9, Oct. 2.
Earring or similar article. A. Philippe. 164,731, Oct. 2.
Filter, Gasoline. V. P. Mathews. 164,698, Oct. 2.
Floor covering or similar article, Hard surface. A. E. Lawrence. 164,695, Oct. 2.
Font of numerals. F. E. Meyer. 164,701, Oct. 2.
Font of type. A. C. Jimenez. 164,688, Oct. 2.
Frame, Buckle. P. W. White. 164,750, Oct. 2.
Hair-waving rod. R. E. Melaro. 164,700, Oct. 2.
Hammer, nail-extracting claw, and wrecking tool, Combination. H. T. Moses. 164,705, Oct. 2.
Hanger, Garment. K. A. Perry. 164,710, Oct. 2.
Heater casing or similar article, Space. R. G. Churan and R. M. Lawless. 164,670, Oct. 2.
Hobbyhorse. H. L. West. 164,749, Oct. 2.
Holder, Bottle. J. C. Kelley. 164,692, Oct. 2.
Holder, Table lighter. H. G. Treiss, Jr. 164,745, Oct. 2.
Key panel for accordions, Tone control. A. Logli. 164,696, Oct. 2.
Lamp, Desk. R. J. Carrithers. 164,668, Oct. 2.
Linoleum or similar article. A. E. Lawrence. 164,694, Oct. 2.
Marimba. L. H. Monts. 164,702, Oct. 2.
Necklace or the like. A. Philippe. 164,713–18, Oct. 2.
Ornament or similar article, Table. W. S. Warren. 164,747, Oct. 2.
Pipe vise. C. H. Ingwer and C. E. Wright. 164,687, Oct. 2.
Pistol. W. B. Ruger. 164,735, Oct. 2.
Plate, Compartmented. C. J. Chaplin. 164,669, Oct. 2.
Sewing machine. M. S. Park. 164,709, Oct. 2.
Shelf, Display. E. F. Thomson. 164,744, Oct. 2.
Sign, Advertising. T. R. Terry. 164,743, Oct. 2.
Slicing device. C. R. Koons. 164,693, Oct. 2.
Slipper or similar article. A. Yandell. 164,754, Oct. 2.
Stocking. A. E. Ischinger. 164,756, Oct. 2.
Stocking, Lady's. W. de Mond. 164,673–5, Oct. 2.
Stove, Gas table. H. Desguin and N. Sauvage. 164,676, Oct. 2.
Sunmask. H. C. McWilliams. 164,699, Oct. 2.
Tablecloth, Lace. F. P. Otto. 164,708, Oct. 2.
Table or the like, Cocktail. F. B. Forward. 164,682, Oct. 2.
Trousers or similar article. W. B. Murphy. 164,706, Oct. 2.
Washing machine. J. R. Mango. 164,697, Oct. 2.
Wheel, Safety disk. L. Verderosa. 164,746, Oct. 2.
Wrist attachment for infant's eating utensils. P. Green. 164,684, Oct. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive device. H. U. Gallagher. 2,570,107, Oct. 2.
Accounting machine with means for handling positive and negative balances. E. J. Rabenda. 2,569,830, Oct. 2.
Acetone-soluble unsaturated copolymerizate of a di-2-alkenyl itaconate and a 2-alkenyl chloride. P. O. Tawney. 2,569,959, Oct. 2.
Acetone-soluble unsaturated interpolymer of a di-2-alkenyl itaconate, a styrene, and a 2-alkenyl chloride. P. O. Tawney. 2,569,960, Oct. 2.
Actuating and parking mechanism for windshield wipers. R. F. Gamundi. 2,570,109, Oct. 2.
Actuator with pilot control, Power. F. B. Small. 2,569,585, Oct. 2.
Adhesive for bonding plasticized polyvinyl halide-containing resin surfaces and bonding such surfaces. C. F. Ruebensaal. 2,569,954, Oct. 2.
Adjustable brake latch. O. N. Whitefield. 2,569,841, Oct. 2.
Aircraft gunsight mounting. M. J. O. Lobelle. 2,569,819, Oct. 2.
Aircraft, Loading. J. H. Connelly. 2,569,557, Oct. 2.
Aircraft wing flap with a leading edge roller. A. Favre. 2,569,983, Oct. 2.
Air directing device for gun-type fuel oil burners. C. M. Gressley. 2,569,754, Oct. 2.
Air duct and girder, Combination. H. E. Venuti. 2,569,910, Oct. 2.
Air filter. T. E. Philippe. 2,569,575, Oct. 2.
Air humidifier and mounting means therefor for application to duct walls. E. W. Bottum. 2,569,512, Oct. 2.
Alkylolamine and morpholine salts of polymerized olefin sulfonic acids. H. W. Bradley. 2,570,094, Oct. 2.
Alloy: *See*—
Magnesium alloy.
Alloyed steel suitable preferably for water hardening tools of highresistance to wear as well as shock. H. Krainer and K. Swoboda. 2,569,894, Oct. 2.
Allyl esters of 3:6-endoxo-1:2-cyclohexanedicarboxylic acid and polymers thereof. M. L. A. Fluchaire and G. Collardeau. 2,570,029, Oct. 2.
Alternating-current-direct-current rectifier circuit. P. R. Weller. 2,570,175, Oct. 2.
Alternating-current electrologging. R. G. Norelius. 2,569,867, Oct. 2.
Ammonium thiocyanate-partially resinified furfuryl alcohol resins. A. P. Dunlop and P. R. Stout. 2,570,028, Oct. 2.
Amplifier, Direct-current. F. M. Bailey. 2,570,088, Oct. 2.
Amplifier, Listening. R. O. Hanson. 2,569,930, Oct. 2.
Antenna, Folded dipole. E. C. Hamel, G. A. Brown, and R. F. Pond. 2,569,810, Oct. 2.
Apparatus for automatic localized annealing. H. A. Holberson. 2,569,634, Oct. 2.
Apparatus for coating sheet material with particulate material. P. A. Marsell and C. H. Teller. 2,569,484, Oct. 2.
Apparatus for controlling rectified voltage. F. H. Shepard, Jr. 2,569,698, Oct. 2.
Apparatus for deep fat cooking. H. T. Hunter. 2,570,127, Oct. 2.
Apparatus for determining the character of fluids which are present in well bores. R. W. Goble. 2,570,111, Oct. 2.
Apparatus for electrocoating strip-like material. E. W. Rieger. 2,569,578, Oct. 2.
Apparatus for elevating and dumping the contents of containers. H. C. and F. F. House. 2,569,609, Oct. 2.
Apparatus for filling tubular receptacles with plural materials. C. Gonzalez. 2,569,928, Oct. 2.
Apparatus for making tubing. J. P. Hill. 2,569,856, Oct. 2.
Apparatus for measuring the volumes of periodically recurring fluid flows. J. H. Emerson. 2,569,849, Oct. 2.
Apparatus for molding thermoplastic material. E. C. Quear, W. C. Shaw, and J. R. Edwards. 2,569,535, Oct. 2.
Apparatus for peeling fruit. R. Polk, Sr. and R. Polk, Jr. 2,570,071, Oct. 2.
Apparatus for polishing precious stones. C. West. 2,569,592, Oct. 2.
Apparatus for producing high-intensity ultrasonic waves. B. Saczeniowski. 2,570,081, Oct. 2.
Apparatus for separating dust from dust-laden air. A. H. Korn. 2,569,567, Oct. 2
Apparatus for the combustion of fuel, including a tubular walled combustion chamber. C. A. Bonvillian, R. C Brierly, and S. Letvin. 2,569,446, Oct. 2.
Apparatus for the handling of yarn. H. Von Kohorn. 2,570,172, Oct. 2.
Apparatus for the manufacture of hardened glass. L. Rembaux and G. M. V. R. Thomassin. 2,569,951, Oct. 2.
Apparatus for treating the contents of closed containers. G. A. Chissom and A. W. Gordon. 2,569,656, Oct. 2.
Apparatus for upsetting edges. F. A. Gruetjen. 2,569,522, Oct. 2.
Apparatus for winding electrical coils. J. B. Leece and N. P. Harmon. 2,569,679, Oct. 2.
Applying metal foil to paper in strip form. P. A. Sporing and C. P. Johnson. 2,569,785, Oct. 2.
Aqueous emulsion polymerization of styrene in the presence of a salt of dehydroabietic acid. J. N. Borglin and P. A. Ray. 2,569,449, Oct. 2.
Arc lamp and the like. A. Bergmann. 2,569,917, Oct. 2.
Arc welding apparatus. G. G. Landis and N. J. Hoenie. 2,569,476, Oct. 2.
Armrest. J. M. Allen, Sr. 2,569,436, Oct. 2.
Armrest. J. W. Smith. 2,569,834, Oct. 2.
Automatic injection feed appliance for rivets and headed fastenings. B. T. Holter. 2,569,891, Oct. 2.
Automatic telephone system involving separate operator and subscriber register sender apparatus. H. W. Balzer J. E. Ostline. 2,569,650, Oct. 2.
Automatic window washer. F. G. Holmes. 2,569,635, Oct. 2.
Automatically and intermittently feeding blanks of cardboard or similar sheet material. F. K. Daniels. 2,569,976, Oct. 2.
Awning construction. R. M. Cole. 2,569,599, Oct. 2.
Awning construction. H. W. Toney. 2,569,621, Oct. 2.
Axle housing, Fluted. L. R. Buckendale. 2,569,452, Oct. 2.
Azlactones of phenylacetamino acrylic acids, Preparation of. E. W. Cook, E. O. Hook, and S. Kushner. 2,569,801, Oct. 2.
Bag and making same, Duplex. H. F. Waters. 2,569,964, Oct. 2.
Balanced thermal demand meter. L. A. Paine. 2,569,868, Oct. 2.
Ball-bearing structure. T. W. Kunzog. 2,569,531, Oct. 2.
Bar: *See*—
Furnace grate bar.
Barbituric acids and intermediates therefor, Production of substituted. P. Charpentier. 2,570,024, Oct. 2.
Bathtub. H. J. Otis. 2,569,825, Oct. 2.
Beam amplifier tube. N. Z. Ballantyne. 2,569,971, Oct. 2.
Bearing: *See*—
Shaft bearing.
Bed, Two-in-one. J. A. Parker. 2,569,574, Oct. 2.
Belt, Maternity garter. P. E. Rosenblatt. 2,569,953, Oct. 2.
Bending machine, Portable. E. T. Tal. 2,569,544, Oct. 2.
β-haloethylamines. J. F. Kerwin and G. E. Ullyot. 2,569,814, Oct. 2.
Bevelled siding, Making. T. H. Ryall. 2,569,831, Oct. 2.
Beverage maker, Hot. A. A. Locke. 2,569,820, Oct. 2.
Bib, Child's. J. R. Arseneault. 2,569,915, Oct. 2.
Binary coding by successive subtractions. P. F. M. Gloess and L. J. Libois. 2,569,927, Oct. 2.
Binding machine, Edge. W. Adams. 2,570,086, Oct. 2.
Bis (alkylbenzyl) dimethyl ammonium halides. P. L. de Benneville and L. H. Bock. 2,569,803, Oct. 2.
Blasting device. F. D. Bickel, H. A. Lewis, and R. H. Mecklenborg. 2,569,511, Oct. 2.
Blending of dry powdered materials. V. Urban. 2,570,168, Oct. 2.
Boat construction. F. C. Melchior. 2,569,686, Oct. 2.
Boat fastening apparatus. F. A. Smith. 2,569,783, Oct. 2.
Boat, Sectional. J. H. Jenkins. 2,569,611, Oct. 2.
Bottle carrier. M. H. Kowal. 2,570,133, Oct. 2.
Bottomer, Bag. E. E. Burroughs. 2,570,047, Oct. 2.
Bow forming and tying jig. J. W. Mitchell. 2,569,943, Oct. 2.
Box forming machine, Folding. R. W. Mettler. 2,570,144–6, Oct. 2.
Box load support. H. C. Pierce. 2,569,731, Oct. 2.
Bracket for shade rollers. E. J. Grigsby. 2,569,756, Oct. 2.
Brake: *See*—
Magnetic rail brake.
Piston type fluid brake.
Brake control mechanism for crane type vehicles. R. A. Beckwith. 2,569,445, Oct. 2.
Brake system, Self-energized. C. Hollerith. 2,569,670, Oct. 2.

Brake system, Tractor-trailer. J. G. Ingres. 2,569,610, Oct. 2.
Braking hub, Back-pedaling. J. C. Hooykaas. 2,569,718, Oct. 2.
Brush package. P. A. Fryda. 2,570,105, Oct. 2.
Buckle. R. W. Johnson. 2,569,933, Oct. 2.
Burner: *See*—
Thermostatically controlled vaporizing fuel burner.
Burner with two-stage mixing, Single axial port gas. A. J. Burklin. 2,569,514, Oct. 2.
Cabinet: *See*—
Record cabinet. Towel cabinet.
Cabinet having tiltable receptacles, Magazine. C. C. Gardner. 2,570,054, Oct. 2.
Cakemaking. N. F. Johnston. 2,569,527, Oct. 2.
Calculating machine. F. A. Deutsch. 2,569,804, Oct. 2.
Calculator. K. A. Fischer. 2,569,466, Oct. 2.
Calculator, Key-operated. C. F. Webb. 2,569,508, Oct. 2.
Cap pistol, Automatic. C. E. Anderson. 2,569,913, Oct. 2.
Car: *See*—
Refrigerator car.
Carboxyphenylpolysiloxane-polyhydric alcohol copolymers. A. J. Barry and J. W. Gilkey. 2,570,090, Oct. 2.
Carrier: *See*—
Bottle carrier. Thread carrier.
Carton dispenser. L. H. Tobey. 2,570,167, Oct. 2.
Carton, Egg. J. W. Lennon. 2,569,681, Oct. 2.
Carton for incandescent lamps. W. A. Ringler. 2,569,733, Oct. 2.
Cartouche for joining metal bodies, especially for light metals by welding. A. Schiltknecht. 2,569,956, Oct. 2.
Cartridge feeding device. F. M. Carroll. 2,569,798, Oct. 2.
Case shift mechanism for typewriters and like machines. W. F. Helmond. 2,569,668, Oct. 2.
Casing apparatus for cementing wells. Side ported. T. M. Ragan. 2,569,732, Oct. 2.
Casting reel. C. C. McFate. 2,569,770, Oct. 2.
Catalytic conversion of polychlorocyclohexanes to polychlorobenzene. F. N. Alquist, J. L. Wasco and K. C. Kauer. 2,569,441, Oct. 2.
Catapulting mechanism for fish bait. C. G. Hall. 2,569,604, Oct. 2.
Cathode-ray image presentation system. D. E. Maxwell. 2,570,139, Oct. 2.
Cathode-ray tube. J. M. Cage. 2,569,654, Oct. 2.
Center sill filler assembly. C. Hankins and O. Ingram. 2,569,500, Oct. 2.
Centrifugal juice extractor. C. Kappes. 2,569,813, Oct. 2.
Centrifugal pump. L. B. Grantham. 2,569,563, Oct. 2.
Chain: *See*—
Coal-cutter chain. Conveyer chain.
Chair construction comprising a base and a chair frame resiliently suspended therefrom. H. E. Lowry. 2,570,000, Oct. 2.
Chair having a resilient back rest. G. D. Wood. 2,570,177, Oct. 2.
Child's adjustable seat. E. L. Nold. 2,569,729, Oct. 2.
Chock mechanism for vehicle lifts. G. A. Estel, Jr. 2,569,982, Oct. 2.
Chuck. O. Mann. 2,569,616, Oct. 2.
Circuit: *See*—
Alternating-current-direct-current rectifier circuit. Signal detector circuit.
Resistance strain gauge potentiometer bridge circuit.
Circuit arrangement for producing high-direct voltages. B. W. van Ingen Schenau, and G. J. Lubben. 2,570,014, Oct. 2.
Circuits, Vacuum tube mixing. J. H. Coleman. 2,569,924, Oct. 2.
Clamp: *See*—
Covers clamp.
Clamp. H. M. Bouton. 2,569,450, Oct. 2.
Clamp means for duplicator cylinders. P. A. Stephenson. 2,569,738, Oct. 2.
Clamping latch. A. F. Alexander. 2,569,647, Oct. 2.
Cleaner: *See*—
Lint cotton cleaner.
Cleaning and plating process, Metal. C.F. Weber. 2,570,174, Oct. 2.
Cleaning machine, Parts. H. W. Beach. 2,570,021, Oct. 2.
Clearance indicator. R. L. Kirk. 2,569,529, Oct. 2.
Climber, Pole. W. D. McCammond. 2,570,001, Oct. 2.
Clip: *See*—
Two-wire test clip.
Clipper, Finger nail. G. P. Davis. 2,570,025, Oct. 2.
Clock, Synchronous motor controlled secondary. C. E. Larrabee. 2,569,815, Oct. 2.
Closure lock. F. C. Schoch. 2,570,160, Oct. 2.
Clothes drying rack. A. C. Shoener. 2,569,832, Oct. 2.
Clothespin, Wire. W. H. Bridwell. 2,569,552, Oct. 2.
Clutch: *See*—
Variable-speed clutch.
Clutch for typographical machines, Spring engaged. H. W. Owens. 2,569,573, Oct. 2.
Clutch head. W. D. Whitney. 2,569,593, Oct. 2.
Clutch plate. W. V. Thelander. 2,569,503, Oct. 2.
Coagulating apparatus. W. H. Green. 2,570,114, Oct. 2.
Coal-cutter chain. S. Shepherd-Smith. 2,569,584, Oct. 2.
Coal metering and cleanout block for stokers. E. G. Baer. 2,569,969, Oct. 2.
Coating compositions and applying same to glass. A. C. Buck and J. F. Conlon. 2,569,920, Oct. 2.
Coin-holding device. O. F. Everitt. 2,569,629, Oct. 2.
Coin selector. J. Gottfried. 2,569,603, Oct. 2.
Collapsible garment hanger. J. B. McPherson. 2,569,726, Oct. 2.
Comb and brush, Combination. F. L. Twitty. 2,569,908, Oct. 2.
Comb hair lock. B. M. Dombek. 2,569,659, Oct. 2.
Combination storm and screen unit. L. T. Milnor. 2,569,942, Oct. 2.
Combustion apparatus, including flame type ignition means. R. H. Goddard. 2,569,887, Oct. 2.
Complex chromium azo compound. W. Widmer and J. Brassel. 2,570,084, Oct. 2.
Composition for and method of determining chromate concentrations. H. E. Frank and M. A. Hanson. 2,569,663, Oct. 2.
Compositions comprising acrylonitrile and hydrolysed polyvinyl acetate. H. J. Hagemeyer, Jr., E. L. Ogiesby and J. R. Caldwell. 2,569,470, Oct. 2.
Compound escapement with spring mounted mass. J. G. M. Viti. 2,570,170, Oct. 2.
Computer, Navigational. M. C. Thrash. 2,569,505, Oct. 2.
Concrete pipes, Manufacture of reinforced. A. Laurent. 2,569,612, Oct. 2.
Condensation products of tertiary alkyl mercaptans and alkylene oxides. L. T. Eby. 2,570,050, Oct. 2.
Condenser. J. M. Cage. 2,569,655, Oct. 2.
Conditioning water, Method and apparatus for. L. O. Gunderson. 2,570,115, Oct. 2.
Connection box for tabulators, Flexible. U. L. G. Balde. 2,569,879, Oct. 2.
Connection for precast concrete members, Beam. A. Henderson. 2,569,669, Oct. 2.
Container: *See*—
Dispensing container. Shipping container.
Container and supporting rack, Necktie. H. W. Hibbs. 2,569,761, Oct. 2.
Continuously renewing lithographing printing surfaces by means of the fountain fluid. D. A. Newman. 2,569,488, Oct. 2.
Control and support connection for helicopter rotor systems. G. and J. R. de Bothezat. 2,569,882, Oct. 2.
Control device. R. E. Cushing and E. L. Swenson. 2,569,456, Oct. 2.
Control device. C. J. van Loon and W. Beukema. 2,570,015, Oct. 2.
Control device for hydraulic presses. M. M. Berger. 2,570,092, Oct. 2.
Control device, Variable-speed. A. C. de Beauregard. 2,569,658, Oct. 2.
Control means for use with ejection seats of aircraft. J. Martin. 2,569,638, Oct. 2.
Control means for weft ends in looms. R. G. Turner. 2,569,907, Oct. 2.
Control mechanism for shock absorbers, Flow. M. Funkhouser and E. F. Rossman. 2,569,520, Oct. 2.
Control system for electronic decoders. C. E. G. Bailey. 2,569,970, Oct. 2.
Convertible folding top with automatic seal at rear quarter. H. A. Mackie and S. Duluk. 2,569,724, Oct. 2.
Conveyer and switch means for checkout counters. A. D. Foster. 2,569,711, Oct. 2.
Conveyer chain. P. J. Imse. 2,569,636, Oct. 2.
Conveyer, Endless chain. L. G. Forster. 2,570,030, Oct. 2.
Conveyer for bakers' ovens. B. M. Osojnak. 2,570,150, Oct. 2.
Conveyer system for locomotive stokers, Tender. W. T. Hanna. 2,569,811–12, Oct. 2.
Cover: *See*—
Eave trough cover. Wheel cover.
Ironing pad cover.
Cover clamp. A. I. Appleton. 2,569,914, Oct. 2.
Crane, Demountable. P. B. Craighead and G. H. Nelson. 2,569,628, Oct. 2.
Crib, Folding. T. H. Lindgren. 2,569,937, Oct. 2.
Crimping device. R. W. Falconer. 2,569,850, Oct. 2.
Cross-linked hydrolysed interpolymer of vinyl acetate and allylidene diacetate and process. E. F. Izard. 2,569,932, Oct. 2.
Crystal contacts of which one element is mainly silicon. D. E. Jones, C. E. Ransley, J. W. Ryde, and S. V. Williams. 2,569,892, Oct. 2.
Crystal diodes and joint contact device. H. F. Mataré and A. Poilleaux. 2,569,570, Oct. 2.
Cutting pavement and other like surfaces. W. H. Lewis. 2,569,682, Oct. 2.
Cyclone dust collector. V. Muska. 2,569,865, Oct. 2.
Cylinder-piston assembly, Differential. J. A. Thierry. 2,569,504, Oct. 2.
Damper for clothes driers. D. S. Collins. 2,569,515, Oct. 2.
Deaeration apparatus. H. and R. S. Von Kohorn. 2,570,171, Oct. 2.
Degasifying means in the lubrication system of elastic fluid compressors. J. E. Lancaster, M. Haeberlein, and E. C. Schmachtenberg. 2,570,134, Oct. 2.

Dehydroabietic acid salts as emulsifiers in aqueous diolefin polymerisation. J. N. Borglin and P. A. Ray. 2,569,448, Oct. 2.
Dental instrument construction. A. Berliner. 2,569,844, Oct. 2.
Dental material and methods. F. E. Knock. 2,569,767, Oct. 2.
Detection of carbon monoxide by palladous sulfite and/or palladosulfites. J. D. Main-Smith and G. A. Earwicker. 2,569,895, Oct. 2.
Determining cut point in pipe-line crude oil batching. R. N. Meinert. 2,570,064, Oct. 2.
Determining the streaming-potential characteristics of drilling mud, Method and apparatus for. M. R. J. Wyllie. 2,569,625, Oct. 2.
Developers for the production of azine dye images, Color. R. C. Gunther. 2,570,116, Oct. 2.
Device containing electron tubes for automatically stabilizing high-voltage sources with symmetrical potential distribution. O. Netteland. 2,569,945, Oct. 2.
Device for aiding in performing eye surgery. C. J. Noelle. 2,570,149, Oct. 2.
Device for applying rubber sleeves. R. H. Howard. 2,569,993, Oct. 2.
Device for controlling textile machines. N. E. Klein. 2,569,475, Oct. 2.
Device for decorating cakes. V. S. Gapinski. 2,569,886, Oct. 2.
Device for facilitating the checking of storage batteries. G. F. Heine. 2,570,123, Oct. 2.
Device for fluid flow between relatively moving objects. H. Rivers. 2,570,179, Oct. 2.
Device for forming fishing leaders. F. H. Kortz. 2,569,768, Oct. 2.
Device for gripping pipes. A. L. Stone. 2,570,080, Oct. 2.
Device for regulating mixed fluid temperatures. W. L. Vinson. 2,569,838, Oct. 2.
Device for removing ink from fountain pens. P. M. Resinger. 2,569,690, Oct. 2.
Device to promote nasal breathing and prevent snoring. M. P. Carlock. 2,569,743, Oct. 2.
Diaper. P. Stamberger. 2,570,011, Oct. 2.
Dielectric heating, High-frequency. J. V. Bertrand and G. S. Shaw. 2,569,919, Oct. 2.
Diene copolymers, Making conjugated. H. F. Park. 2,569,688, Oct. 2.
Differential. P. S. Morgan. 2,569,533, Oct. 2.
Discharging fluid pressure media. M. K. Newman. 2,569,489, Oct. 2.
Dispenser: *See*—
Carton dispenser.
Dispenser allowing selective discharge therefrom by orientation, Combination. C. K. Barton, Jr., and F. Tamaro. 2,570,089, Oct. 2.
Dispensing container. R. W. Ward. 2,569,963, Oct. 2.
Dispensing device for packaged articles. C. A. Olson. 2,569,572, Oct. 2.
Dispensing system, Fluid. D. D. Buttolph. 2,569,554, Oct. 2.
Doffing mechanism for ring spinning, doubling, and twisting machines. J. J. Haythornthwaite, 2,570,037, Oct. 2.
Domestic appliance. M. E. Fry. 2,569,753, Oct. 2.
Domestic appliance. G. C. Pearce. 2,569,775, Oct. 2.
Door: *See*—
Overhead counter-balanced door.
Door for cabinets, Slidable. G. F. Hofferberth. 2,569,763, Oct. 2.
Door operating mechanism, Double. S. M. Wychowaniec and A. Lasis. 2,569,624, Oct. 2.
Double-action door holder. H. E. Dunlap. 2,569,806, Oct. 2.
Drain fitting. F. L. W. Link. 2,569,615, Oct. 2.
Draft mounting for revertible draft heater fire pots, Adjustable. N. M. Schrank. 2,569,781, Oct. 2.
Drill tool. A. P. Hatcher. 2,569,854, Oct. 2.
Driving mechanism with pilot control. F. B. Small. 2,569,586. Oct. 2.
Dry cell composition. E. M. Otto. 2,569,491, Oct. 2.
Dry Ice manufacture. W. H. Rupp. 2,570,074, Oct. 2.
Drying oils from clay polymers, Preparation of. L. M. Adams, P. L. Brandt, R. J. Lee, and F. T. Wadsworth. 2,569,595. Oct. 2.
Dynamic lubrication of mechanical linkages employed in electrical analogues. B. D. Lee. 2,569,818. Oct. 2.
Dynamoelectric machines in parallel, Direct-current. J. M. Pestarini. 2,570,005, Oct. 2.
Eave trough cover. J. Lipshaw. 2,569,568, Oct. 2.
Economizer. R W. Sloane. 2,569,782, Oct. 2.
Effecting print roll register in multicolor printing presses. A. M. Bojanower and R. D. Spearman. 2,570,045, Oct. 2.
Electric contact device for variable current. F. Kesselring. 2,570,062, Oct. 2.
Electric marking machine. C. M. Elstad. 2,569,807, Oct. 2.
Electric switch. L. M. Persons. 2,569,776, Oct. 2.
Electrical analogue. B. D. Lee. 2,569,816, Oct. 2.
Electrical analogue. A. Wolf and B. D. Lee. 2,569,817, Oct. 2.
Electrical analogues. A. Wolf. 2,569,510, Oct. 2.
Electrical simulator. E. J. Wade and J. W. Simpson. 2,569,646, Oct. 2.
Electrically modulated valve. J. B. Cataldo. 2,569,800, Oct. 2.
Electroconductive article. L. E. Orr. 2,569,773, Oct. 2.
Electrode, Flash control. E. G. Autie and F. W. Johnes. 2,569,968, Oct. 2.
Electrode structure for gaseous discharge devices. T. F. Jones. 2,569,474, Oct. 2.
Electrode support and electron discharge device, Nondeforming laminated. W. E. Harbaugh. 2,570,121, Oct. 2.
Electron discharge tube. J. W. Skehan and T. H. Rogers. 2,569,872. Oct. 2.
Electron flow device. J. B. Gosling. 2,569,665, Oct. 2.
Electron tube seal structure. W. W. Eitel and M. E. Wolfe. 2,569,848, Oct. 2.
Electronic textile control device. W. C. Anderson. 2,569,442. Oct. 2.
Electroplating, Method of and apparatus for. H. J. Reading. 2,569,577, Oct. 2.
Emulsion polymerization of certain vinyl compounds using a mercaptan modifier, a hydroperoxide catalyst, and oxygen. E. J. Vandenberg. 2,569,506, Oct. 2.
Emulsion polymerization of unsaturated organic compounds. A. E. Drake. 2,569,462, Oct. 2.
Emulsion polymerization of unsaturated organic compounds. A. E. Drake. 2,569,884, Oct. 2.
Emulsion polymerization of unsaturated organic compounds. E. J. Lorand. 2,569,480, Oct. 2.
Emulsion polymerization of vinyl halides. P. Halbig. 2,570,056. Oct. 2.
Emulsions containing color formers capable of yielding nonmigratory azine dyestuffs, Light-sensitive. A. C Starke, Jr. 2,569,906, Oct. 2.
End mill sharpening fixture. C. J. Hertlein. 2,569,855, Oct. 2.
Envelope for electric devices. A. Koerbis. 2,569,723, Oct. 2.
Epoxidised oils. D. Swern and T. W. Findley. 2,569,502, Oct. 2.
Eraser. J. G. Weiss. 2,569,704, Oct. 2.
Esters of aliphatic dibasic acids and ether-alcohols containing a branched chain in the glycol group. P. V. Smith, Jr., and F. Knoth, Jr. 2,570,037, Oct. 2.
Ethers and organic substances plasticized therewith. G. L. Doelling and K. H. Adams. 2,569,883, Oct. 2.
Evacuating and gas charging apparatus. C. T. De Groat. 2,570,103. Oct. 2.
Expander ring for combustion engines. A. J. Davis. 2,569,601, Oct. 2.
Extractive crystallization process. L. C. Fetterly. 2,569,984, Oct. 2.
Extractive crystallization process. L. C. Fetterly. 2,569,986. Oct. 2.
Extractive distillation process. M. R. Morrow and J. W. Smalling. 2,570,066. Oct. 2.
Extractor: *See*—
Centrifugal juice extractor.
Facsimile system and apparatus. M. Artst and C. J. Young. 2,569,648. Oct. 2.
Fastener: *See*—
Paper fastener.
Fastening device for belts. W. J. Dillens. 2,569,750, Oct. 2.
Fault detector for shotgun users. L. E. Aagesen. 2,569,594. Oct. 2.
Feed works for sawmills. W. E. Arnold and G. R. Caton. 2,569,794. Oct. 2.
Fender shield mounting. G. W. Schatzman. 2,569,496, Oct. 2.
Film holder and drain pan for radiographic examinations, Combined. M. Friedman. 2,569,561, Oct. 2.
Film-loop former. O. Wittel. 2,570,176, Oct. 2.
Filter: *See*—
Air filter.
Filter. R. J. Koupal. 2,570,132, Oct. 2.
Filter element. W. S. Cook. 2,569,745, Oct. 2.
Filter system. R. J. Koupal. 2,570,131, Oct. 2.
Filter unit, Electrical. R. L. Harvey and V. D. Landon. 2,569,667. Oct. 2.
Finishing of woven fabrics. A. Melville. 2,569,897, Oct. 2.
Fire escape device. J. W. Bailey, Sr. 2,569,597, Oct. 2.
Fire extinguisher. J. H. Cone. 2,569,975, Oct. 2.
Fire extinguishing liquids and process. C. G. Durfee and G. E. Ferguson. 2,569,979, Oct. 2.
Fish bait. T. E. Schnabel. 2,569,642, Oct. 2.
Fish lure. J. A. Collins. 2,570,100, Oct. 2.
Fish lure. L. A. Farr. 2,569,465, Oct. 2.
Fish lure. N. E. Wilson. 2,569,792, Oct. 2.
Fishing bob. W. C. Miller. 2,569,822, Oct. 2.
Flight equipment, Controlled. T. W. Kenyon. 2,569,676, Oct. 2.
Float, Releasable. H. R. Dickinson. 2,569,977, Oct. 2.
Floor covering, Making a flexible wood. A. Elmendorf. 2,569,709. Oct. 2.
Flotation of slimes from sylvinite ore with hydroxyethyl cellulose. R. I. Jackson. 2,569,672, Oct. 2.
Flotation process for whitening clay. T. G. Leek. 2,569,680. Oct. 2.
Flow apparatus. A. H. Redding. 2,570,155, Oct. 2.
Flow controller. A. W. Pett. 2,570,152, Oct. 2.

Fluorine compositions and making, Organic. F. B. Stillmar. 2,569,644, Oct. 2.
Flushing nozzle. E. J. Terry and G. R. McCormick. 2,569,588, Oct. 2.
Fly ash precipitator. S. L. Fitzpatrick. 2,569,710, Oct. 2.
Folding flat articles. S. W. Lister. 2,569,769, Oct. 2.
Foot support. E. H. Juers. 2,569,721, Oct. 2.
Forming glass fibers, Method and apparatus for. C. J. Stalego. 2,569,699, Oct. 2.
Forming tower with sliding valve. R. Chapman. 2,570,099, Oct. 2.
Four-way valve. J. D. Buchanan. 2,569,598, Oct. 2.
Frame: *See*—
Soap molding frame. Utility frame.
Frame and engine supports for clutch control mechanism. J. A. Hausmann and E. T. Riedy. 2,569,633, Oct. 2.
Frame for supporting juxtaposed endless belt conveyers. J. C. and W. H. Johnson. 2,569,673, Oct. 2.
Frequency discriminator. B. J. van Hardenberg. 2,570,013, Oct. 2.
Friction material. H. W. Schultz. 2,569,539, Oct. 2.
Front end for excavating machines. T. O. Davidson. 2,569,458, Oct. 2.
Frozen confection and making the same. H. C. Gibson. 2,570,041, Oct. 2.
Fuel control system, Time-controlled, temperature-responsive. I. Kramer and J. Rowe. 2,569,530, Oct. 2.
Fuel oil space heater. R. C. Dansel. 2,570,049, Oct. 2.
Fuel tank assembly, Vehicle. F. Prior. 2,569,493–4, Oct. 4.
Furfuryl silicate, Making. J. B. Culbertson, H. D. Erasmus, and R. M. Fowler. 2,569,455, Oct. 2.
Furnace grate bar. R. M. L. Martin. 2,569,639, Oct. 2.
Garment, Child's. L. B. Cooley. 2,569,845, Oct. 2.
Garment, Child's. A. E. Maslin. 2,569,569, Oct. 2.
Garment for divers, Protective. E. Wolk. 2,570,019, Oct. 2.
Garment, Shirt type. L. R. Spare. 2,569,643, Oct. 2.
Gas-fired forced air flow unit heater. R. D. Reed and J. S. Zink. 2,570,006, Oct. 2.
Gas turbine. T. W. Millns. 2,569,898, Oct. 2.
Gate. L. C. Tilbury. 2,569,836, Oct. 2.
Gauge: *See*—
Height gauge. Strain gauge.
Gauge for measuring large strains, Wire-resistance. H. Shoub. 2,569,499, Oct. 2.
Gauging and sorting machine, Tube. J. P. Gulliet. 2,569,554, Oct. 2.
Gear mechanism, Cyclic. O. H. Petersen. 2,570,151, Oct. 2.
Gearing arrangement for supercharged power plant. S. A. Coulin. 2,570,101, Oct. 2.
Glass fibers, Making colored. C. J. Stalego. 2,569,700, Oct. 2.
Governor, Combined mechanical and pneumatic. W. J. Gewinner. 2,569,664, Oct. 2.
Grain oriented ferromagnetic alloys, Producing. E. A. Gaugler. 2,569,468, Oct. 2.
Grate bar assembly, Hollow. J. Batik. 2,569,438, Oct. 2.
Gravity feed fuel control means for wick type burners. A. Nelson. 2,569,944, Oct. 2.
Grinder for small circular saws, Automatic. H. A. Hamberger. 2,570,118, Oct. 2.
Gun apparatus, Cement. I. M. Ridley. 2,569,952, Oct. 2.
Gun control system, Automatic. W. H. Newell, J. D. Tear, and L. S. Brown. 2,569,571, Oct. 2.
Gun sight. H .C. Ford. 2,569,560, Oct. 2.
Halogenated unsaturated hydrocarbon production. H. A. Chenev. 2,569,923, Oct. 2.
Hanger: *See*—
Collapsible garment hanger. Skirt hanger.
Harvester, Field forage. P. W. Morrissey. 2,570,147, Oct. 2.
Head assembly for spring shade rollers. J. T. Mayer, Jr. 2,570,140, Oct. 2.
Heater: *See*—
Fuel oil space heater.
Gas-fired forced air flow unit heater.
Heating apparatus. P. Gubson. 2,569,757, Oct. 2.
Heating device for molten materials. R. L. Nall. 2,569,824, Oct. 2.
Heating installation, Radiant. R. C. Cassidy, J. F. Schreiber, and E. D. Tidd. 2,569,921, Oct. 2.
Heating installation, Radiant. E. D. Tidd. 2,569,961, Oct. 2.
Heating method and apparatus. F. M. Flynn. 2,569,809, Oct. 2.
Height gauge. L. H. Cormier. 2,569,558, Oct. 2.
Hinge. L. H. Morin. 2,569,862, Oct. 2.
Hitch, Trailer. M. Adler, K. and I. Katkowsky. 2,569,843, Oct. 2.
Holder: *See*—
Double-action door holder. Mobile parts order pad holder.
Implement holder.
Holder for punchboards. F. J. Merhar. 2,569,860, Oct. 2.
Holder for selectively suspending a hammock. E. W. Anderegg. 2,569,596, Oct. 2.
Homogeneous polymerization of unsaturated organic compounds. E. J. Lorand. 2,569,481, Oct. 2.
Hood, Hair-drying. C. M. Dugan. 2,569,600, Oct. 2.
Hood, Welder's. H. H. Green. 2,569,715, Oct. 2.
Horn, Carbon dioxide snow forming. M. K. Newman. 2,569,490, Oct. 2.
Horn control system. J. J. Prendergast. 2,570,154, Oct. 2.
House, Trailer. W. A. Metherell. 2,569,641, Oct. 2.
Humidifier, Room. M. J. Kuss. 2,570,033, Oct. 2.
Humidity control unit. A. D. Robbins. 2,569,537, Oct. 2.
Hydraulic operating system for mowing machines. F. von Schlegell. 2,569,507, Oct. 2.
Hydraulic transmission, Pump and motor. D. F. Froebe. 2,569,562, Oct. 2.
Hydrocarbon conversion with vanadia-and/or molybdena-containing catalysts. J. W. Myers. 2,570,067, Oct. 2.
Hydrogenated rosin acid soaps in butadiene-hydrocarbon aqueous emulsion polymerization. J. N. Borglin and P. A. Ray. 2,569,447, Oct. 2.
Ignition point assembly. S. Hofmann. 2,569,991, Oct. 2.
Imidohalides and preparing them and their hydrolysis products. P. L. Barrick. 2,569,549, Oct. 2.
Impact rotary slip lock. A. L. Stone. 2,570,039, Oct. 2.
Impedance measuring. W. V. Roberts. 2,569,691, Oct. 2.
Implement, Agricultural crust busting. R. Edwards and J. Brogden. 2,569,464, Oct. 2.
Implement holder. C. A. McKee. 2,570,141, Oct. 2.
Implement, Pruning. G. Gustafson. 2,569,888, Oct. 2.
Inboard power unit for shallow draft boats. J. W. Daniels. 2,569,802, Oct. 2.
Inclinometer for sighting instruments, Pendulum. R. O. Browning. 2,569,796, Oct. 2.
Indicator: *See*—
Clearance indicator. Soft tire indicator.
Safe load indicator.
Initially soft stiffenable material. G. F. Jonas. 2,569,764, Oct. 2.
Insecticidal compositions containing beta-(tertiary-alkyl thio) alkanols. L. T. Eby. 2,570,051, Oct. 2.
Inserting machine, Newspaper. C. L. Rockwell. 2,569,692, Oct. 2.
Instrument for aircraft, Flight. G. W. Hoover and E. E. Easton. 2,569,473, Oct. 2.
Instrument for determining slope from stereoscopic images. E. J. Schlatter. 2,569,498, Oct. 2.
Instrument, Gyrostabilized sighting. T. W. Kenyon. 2,570,130, Oct. 2.
Insulating material of high dielectric strength, Self-sealing. H. E. Selby. 2,569,540, Oct. 2.
Insulation comprising polyethylene, polyisobutylene, isobutylene-diolefin copolymer, and lubricant, Electrical. H. E. Selby. 2,569,541, Oct. 2.
Interlock for calculating machines, Keyboard. F. A. Niemann. 2,570,068, Oct. 2.
Intermittent movement with improved claw action. G. A. Mitchell. 2,569,487, Oct. 2.
Ironing pad cover. H. Glatt. 2,570,110, Oct. 2.
Jacket, Safety bathing. C. H. Austin. 2,569,742, Oct. 2.
Jar lifting device. T. J. Novak. 2,570,069, Oct. 2.
Jaw adjusting means for slidable side jaw wrenches. J. S. Ryland. 2,569,581, Oct. 2.
Jet device for discharging a mixture of fluids. P. Kollsman. 2,569,997, Oct. 2.
Jig and carrier for building blocks. M. A. Arrigoni. 2,569,966, Oct. 2.
Joining device. F. W. Marshall and S. M. McCall. 2,569,532, Oct. 2.
Joint: *See*—
Self-lubricated steering knuckle joint.
Joint. R. M. Hauck. 2,569,632, Oct. 2.
Knife, Paring. W. McMillen. 2,570,002, Oct. 2.
Knitting machine. P. W. Bristow. 2,569,706, Oct. 2.
Knitting machine. P. J. Schoenster and M. E. Ebert. 2,569,582, Oct. 2.
Laminated structure. W. B. Reynolds, G. Kraus, and A. Conciatori. 2,569,536, Oct. 2.
Lamp apparatus for interchanging liquid-cooled lamps, Multiple. E. C. Weiskopf. 2,569,876, Oct. 2.
Lamp mounting and reflector, Germicidal. R. E. Olsen. 2,569,772, Oct. 2.
Lamp socket for elongated tubular discharge lamps. F. C. De Reamer and J. M. Pistey. 2,570,104, Oct. 2.
Lamp socket having means to releasably lock the end of a fluorescent lamp therein. J. Fallek. 2,569,662, Oct. 2.
Land-leveling device. C. A. McKee. 2,570,142, Oct. 2.
Latch: *See*—
Adjustable brake latch. Clamping latch.
Laterally separating and spacing a plurality of traveling strips. R. M. Johnstone. 2,570,061, Oct. 2.
Leakproof and siftproof package. R. A. Farrell. 2,569,851, Oct. 2.
Leveling and contouring apparatus. F. W. Heckert and H. W. Lake. 2,570,122, Oct. 2.
Leveling and scraping apparatus with level maintaining hitch. H. R. Stroup. 2,569,835, Oct. 2.
Lifting device. J. Villars. 2,569,837, Oct. 2.
Light apparatus, Single station range. J. R. MacKay. 2,570,137–8, Oct. 2.
Limited-area cathode. H. D. Shekels. 2,570,165, Oct. 2.
Line-space release device for typewriting and like machines. W. C. Jones. 2,569,674, Oct. 2.
Lint cotton cleaner. V. L. Stedronsky and C. S. Shaw. 2,569,501, Oct. 2.

Lock: *See*—
Closure lock. Impact rotary slip lock.
Comb hair lock.
Lock for frameless window screen tensioning devices. J. H. Jensen. 2,570,128, Oct. 2.
Locking a pivoted wrench jaw in slidably adjusted position. A. G. Goodnight. 2,569,602, Oct. 2.
Low-expansion lead-borosilicate glass of high chemical durability. W. H. Armistead. 2,570,020, Oct. 2.
Low-frequency amplifying arrangement. H. A. Broos. 2,569,973, Oct. 2.
Lubricator for air lines. C. S. Brush. 2,569,553, Oct. 2.
Machine for applying specular coatings. J. H. Green. 2,569,852, Oct. 2.
Machine for bending plates. E. L. Tinley and F. Cartwright. 2,569,962, Oct. 2.
Machine for covering handbag frames. J. A. Netz. 2,569,534, Oct. 2.
Machine for cutting contours in pipe sections for joining main and branch pipes at a desired angle. T. W. Delaney. 2,570,026, Oct. 2.
Machine for cutting logs into sections. E. C. Avinger and T. T. Murphy. 2,569,878, Oct. 2.
Machine for taping electrical coils. J. S. Burge, H. J. McKee, and R. M. Goodwin. 2,569,513, Oct. 2.
Machine for washing minerals and ores. A. Ratcliffe and G. W. Talbot. 2,570,072, Oct. 2.
Machine tool. H. L. Hoffman. 2,569,566, Oct. 2.
Machine with circumferentially traveling elements for mounting tires. R. A. Weaver. 2,569,789, Oct. 2.
Magnesia gels, Preparation of. E. A. Hunter. 2,570,058, Oct. 2.
Magnesium alloy. T. E. Leontis. 2,569,477, Oct. 2.
Magnet for cathode-ray tube ion traps. J. de Leon. 2,569,517, Oct. 2.
Magnetic rail brake. H. B. Larsen. 2,570,034, Oct. 2.
Magneto. G. H. Dingman. 2,569,460–1, Oct. 2.
Making an absorption control element, Method and apparatus for. W. R. Kellett and L. G. Veler. 2,569,765, Oct. 2.
Making bags from nonfibrous sheet material, Process and apparatus for. G. W. French. 2,569,630, Oct. 2.
Making composite tire articles, Method and apparatus for. C. W. Leguillon and O. E. Hermanns. 2,569,935, Oct. 2.
Making hollow articles. D. G. Rempel. 2,569,869, Oct. 2.
Margin-stop setting mechanism for typewriters, Visible. F. W. Schremp and E. J. Yeo. 2,569,696, Oct. 2.
Masonry simulating roll siding and producing same. C. Stolp, Jr. 2,569,543, Oct. 2.
Measuring and gauging device. W. K. Dow. 2,569,660, Oct. 2.
Measuring device, Velocity. P. J. Campbell. 2,569,974, Oct. 2.
Measuring device with screen and scale sections, Projection. W. Rinker. 2,569,579, Oct. 2.
Mechanism for applying brake linings. J. I. Spanich. 2,569,737, Oct. 2.
Medicinal inhaler. C. J. Jesnig. 2,569,720, Oct. 2.
Metal screen stencils, Making. H. B. Fowler. 2,569,752, Oct. 2.
Metalliferous azo-dyestuffs. W. Widmer and A. Buehler. 2,570,085, Oct. 2.
Meter: *See*—
Balanced thermal demand meter.
Methyl naphthalenes, Production of chlorinated. H. S. Boyd-Barrett, J. R. Holker, and H. Steiner. 2,570,022, Oct. 2.
Mill: *See*—
Pug mill.
Mine. W. N. Ensign, Jr. 2,569,808, Oct. 2.
Mine car safety stop. B. E. Kirtner, E. Barker, M. Williams, and A. Jackson. 2,569,858, Oct. 2.
Mirror arrangement, Rearview. C. Ramme. 2,569,576, Oct. 2.
Mixing unit and hose rack, Combined. W. C. Jaegle and D. Strahman. 2,569,857, Oct. 2.
Mobile parts order pad holder. B. W. Hawk and F. S. Shannon. 2,569,716, Oct. 2.
Moisture teller. H. W. Dietert and R. E. Steinmueller. 2,569,749, Oct. 2.
Mold drawing device for molding machines. H. J. Rothschild. 2,569,580, Oct. 2.
Mold for casting crankshafts. H. W. Miner. 2,569,899, Oct. 2.
Molding tubes from cementitious material, Apparatus and method for. P. Salvaneschi. 2,569,538, Oct. 2.
Monoazodyestuffs. F. Feilx, A. Heckendorn, and W. Widmer. 2,570,052, Oct. 2.
Mop wringer, Pivoted jaw. J. E. Stapf. 2,569,786, Oct. 2.
Motion mechanism. O. Cardell. 2,569,707, Oct. 2.
Motor control apparatus, Reversible. P. T. Semm and R. T. Nakasone. 2,569,697, Oct. 2.
Motor control for signal responsive selector mechanism. A. R. Eggensperger. 2,569,980, Oct. 2.
Mounting: *See*—
Aircraft gunsight mounting. Fender shield mounting.
Mounting assembly for fluorescent fixtures. A. O. Locke. 2,569,859, Oct. 2.
Mounting enclosure for lighting fixtures. S. Deutsch and R. A. Manning. 2,569,518, Oct. 2.
Mudmixing machine. W. P. Blake. 2,569,439, Oct. 2.
Multiple control for brake mechanism. B. L. Lonngren. 2,569,479, Oct. 2.
Multiple magazine adjusting means. R. H. Scott and A. S. Hayward. 2,569,583, Oct. 2.
Multiple stand roller mill with worm and worm wheel drive to each roll. T. G. Cecka. 2,569,744, Oct. 2.
Multiplex transceiving arrangement. C. J. H. A. Staal. 2,570,010, Oct. 2.
Nonrotary centrifugal separator. L. E. R. Umney. 2,569,909, Oct. 2.
Nozzle, Airfoam. C. H. Lindsay. 2,569,683, Oct. 2.
Nozzle and after-burner control for jet motors, Combined variable area. E. E. Schiesel. 2,569,497, Oct. 2.
Nozzle, Flushing. E. J. Terry and G. R. McCormick. 2,569,588, Oct. 2.
Nozzle, Self-adjusting reaction. P. Kollsman. 2,569,996, Oct. 2.
Nozzle, Spray. J. M. Hopwood. 2,569,992, Oct. 2.
Olefin polymerization feedstock, Preparing an. R. L. Heinrich. 2,570,032, Oct. 2.
Opener, Attached can. P. R. Schwark. 2,569,905, Oct. 2.
Optical system for the determination of the focal point. T. Corsi and L. Picchioni. 2,569,516, Oct. 2.
Organ, Electric. V. I. Zuck. 2,570,178, Oct. 2.
Organ, Electronic. P. J. Greaves and F. N. Elgear. 2,569,521, Oct. 2.
Organo-tin compounds, Production of. H. J. Passino and R. M. Mantell. 2,569,492, Oct. 2.
Orifice guard construction for dispensers. G. H. Packwood, Jr. 2,569,774, Oct. 2.
Oscillating fluid pressure machine. E. Mercier and M. Ehlinger. 2,569,640, Oct. 2.
Oven vent for ranges. L. F. Berg. 2,569,652, Oct. 2.
Overhead counterbalanced door. O. Lewis and H. G. Kabisch. 2,569,614, Oct. 2.
Packing cylinder slide sheet. W. H. Fort. 2,569,467, Oct. 2.
Packing finned pipe for shipping and handling. A. O. Hurxthal and G. W. O'Keeffe. 2,570,059, Oct. 2.
Painting machine, Ball. S. M. Briggs, F. T. Driscoll and C. D. Smith. 2,569,705, Oct. 2.
Painting shoe buckles. A. T. Bibby and H. A. Dukett. 2,570,093, Oct. 2.
Paneling. F. Rienau and J. F. Germain. 2,569,902, Oct. 2.
Paper fastener. W. D. Striker. 2,570,166, Oct. 2.
Paper hanger's plumb bob. J. H. Mehaffey. 2,569,727, Oct. 2.
Parasiticidal steam-cracked oil emulsion concentrate. C. S. Carlson and M. W. Swaney. 2,570,023, Oct. 2.
Paring machine, Vegetable. J. Hardt. 2,569,607, Oct. 2.
Pasteurizer with removable inner receptacle and sealing means therefor, Home. S. L. Struve and N. O. Welch. 2,569,958, Oct. 2.
Pencil lead sharpening machine. H. L. R. Adams. 2,569,548, Oct. 2.
Phenyl silicates from phenols and SiS_2, Preparing. J. B. Culbertson, H. D. W. Erasmus, and R. M. Fowler. 2,569,746, Oct. 2.
Phenylenediacetate ester. P. V. Smith, Jr., and F. Knoth, Jr. 2,570,038, Oct. 2.
Phosphate product and making same. R. W. Liddell. 2,569,936, Oct. 2.
Phosphors, Infrared. D. W. Lyon. 2,569,939–40, Oct. 2.
Phosphors, Infrared. D. W. Lyon. 2,570,136, Oct. 2.
Photochemical production of benzene hexachloride. W. A. La Lande, Jr., M. E. Aeugle, and G. Molyneux. 2,569,677, Oct. 2.
Piano playing device. V. D. Hill. 2,569,525, Oct. 2.
Piano resonating chamber. H. O. Crippen, Sr. 2,570,102, Oct. 2.
Picker mounting means. C. L. Huffman. 2,569,994, Oct. 2.
Pickup auger for small grain elevators. M. W. Roscoe and R. L. Beldin. 2,569,871, Oct. 2.
Pickup device for harvesters. E. G. Melroe. 2,570,065, Oct. 2.
Piepan, Double. M. F. Johnson. 2,570,060, Oct. 2.
Piercing device. A. E. Gasdia. 2,570,055, Oct. 2.
Pipe gripping tool. L. E. Dunlap. 2,569,978, Oct. 2.
Piston ring. H. P. Phillips. 2,569,777–8, Oct. 2.
Piston type fluid brake. J. C. Foster, Sr., J. H. Biggs, and J. C. Foster, Jr. 2,569,712, Oct. 2.
Platform structure, Derrick. W. R. Sims. 2,570,076, Oct. 2.
Playing cards, Deck of. G. A. Thompson and R. Hagen. 2,569,701, Oct. 2.
Pliers, Ophthalmologist's. L. L. Gagnon. 2,570,106, Oct. 2.
Plow, Subsoil. D. Collins and M. Bergstrom. 2,569,556, Oct. 2.
Plug: *See*—
Fuse plug.
Plug for wells and the like, Bridging. O. O. Dale and J. D. Chesnut. 2,569,457, Oct. 2.
Polar co-ordinate cathode-ray tube. R. E. Rutherford. 2,570,008, Oct. 2.
Polarity pulsing of triggers. R. C. Paulsen. 2,569,827, Oct. 2.
Polymerization of trifluorochloroethylene in the presence of silver ion, bisulfite ion and persulfate. J. M. Hamilton, Jr. 2,569,524, Oct. 2.
Polymerising furfuryl alcohol. A. P. Dunlop and P. R. Stout. 2,570,027, Oct. 2.

Popcorn popping device. C. B. Hobbs. 2,570,126, Oct. 2.
Positive ion beam gun. K. G. Hernqvist. 2,570,124, Oct. 2.
Poultry killing rack. L. A. Merrick. 2,570,143, Oct. 2.
Powertransmission, Adjustable. R. Devilliers. 2,569,539, Oct. 2.
Power-transmitting mechanism for narrow-gauge tractors. P. L. Hannan. 2,569,651, Oct. 2.
Precision resistance and making it. B. B. Scott and A. D. Coggeshall. 2,570,163, Oct. 2.
Presser foot. W. G. Reynolds. 2,570,007, Oct. 2.
Pressure stop nut. H. R. Harding. 2,569,989, Oct. 2.
Printing device with feed control tape, Record controlled. E. J. Rabenda. 2,569,829, Oct. 2.
Printing machine. W. T. Gollwitzer. 2,570,112, Oct. 2.
Producing yarn. H. Von Kohorn. 2,570,173, Oct. 2.
Projector, Microfilm. P. J. Berggren. 2,569,918, Oct. 2.
Propane fractionation of reduced crude oil with recycle of a solvent extract. B. C. Benedict and W. N. Axe. 2,570,044, Oct. 2.
Propeller pitch control. T. A. Banning, Jr. 2,569,444, Oct. 2.
Protecting unit for oil filled submergible motors. A. Arutunoff. 2,569,741, Oct. 2.
Pug mill. W. C. West. 2,570,042, Oct. 2.
Pump: *See*—
Centrifugal pump.
Reversible variable volume pump.
Purification of crude alcohols. W. B. Hughes and J. Newcombe. 2,569,671, Oct. 2.
Purification of ketone-containing liquid. E. A. Rodman. 2,570,157, Oct. 2.
Puzzle device, Peg and hole. I. G. Loe. 2,569,637, Oct. 2.
Quenching molten material, Method and apparatus for. J. L. Porter. 2,569,779, Oct. 2.
Raceway surface metal. C. E. Barnes, Sr. and C. E. Barnes, Jr. 2,569,916, Oct. 2.
Rack: *See*—
Clothes drying rack. Poultry killing rack.
Radar system. H. Gutton and M. Ponte. 2,569,758, Oct. 2.
Railway haul drive, Marine. D. M. Schwartz. 2,570,161, Oct. 2.
Ranging system, Automatic. M. A. McLennan. 2,569,485, Oct. 2.
Reaction of aliphatic polyhydric alcohols and chlorohydrins with SiS_2. J. B. Culbertson, H. D. Erasmus, and R. M. Fowler. 2,569,747, Oct. 2.
Receptacle for analysis, Sperm. H. W. Warner. 2,569,702, Oct. 2.
Reclosing mechanism for circuit breakers. R. A. Phillips. 2,570,153, Oct. 2.
Record cabinet. C. W. Burns. 2,570,046, Oct. 2.
Record feeding and recording apparatus. R. J. Whalen and S. T. Kulpa. 2,569,840, Oct. 2.
Record player assembly. A. Tateishi. 2,569,587, Oct. 2.
Record sorting device. F. M. Carroll and A. F. Smith. 2,569,799, Oct. 2.
Recording, Facsimile wet electrolytic. F. G. Calkin. 2,570,006, Oct. 2.
Recovery of carnotite from its ores. R. W. Handley and C. W. Sawyer. 2,570,119, Oct. 2.
Recovery of pitchblende and similar uranium minerals from ores of same by special flotation practice. R. W. Handley and C. W. Sawyer. 2,570,120, Oct. 2.
Rectifier system control. H. J. Hall. 2,569,605, Oct. 2.
Reed adjustment for looms. C. P. Bergstrom. 2,569,880, Oct. 2.
Reel: *See*—
Casting reel.
Reeler and cutter, Belt. R. F. Trissell. 2,569,589, Oct. 2.
Reflector and showcase frame, Combination. C. K. Kurtson. 2,569,934, Oct. 2.
Refrigerator car. R. K. Schwebs. 2,570,162, Oct. 2.
Regulator: *See*—
Voltage regulator.
Relay for use in controlling atmospheric conditions. A. J. Hilgert. 2,569,762, Oct. 2.
Remotely controlled reversing valve. R. H. Davies. 2,569,881, Oct. 2.
Resilient car wheel. G. B. Parsons. 2,569,617, Oct. 2.
Resistance strain gauge potentiometer bridge circuit. R. Prescott. 2,569,949, Oct. 2.
Retainer for clothes hangers. L. H. Schwarz. 2,570,075, Oct. 2.
Reversible variable volume pump. J. W. F. Holl. 2,569,717, Oct. 2.
Ring: *See*—
Piston ring.
Rivet. E. E. Packard. 2,569,826, Oct. 2.
Rocker crutch, Swiveling. K. G. A. Thunberg. 2,569,739, Oct. 2.
Rod for the interior of vehicles, Suspension. R. C. Larson and R. A. Patterson. 2,569,678, Oct. 2.
Roof crane, Collapsible. E. F. Maxeiner. 2,569,821, Oct. 2.
Rope sling. H. Andersen. 2,569,912, Oct. 2.
Rotary abrading tool. E. W. Hall and A. S. Rock. 2,569,929, Oct. 2.
Rotary carving tool. W. E. Stowell. 2,569,874, Oct. 2.
Rule, Slide. D. L. Cole. 2,569,454, Oct. 2.
Safe load indicator. R. Hicks. 2,569,890, Oct. 2.
Safety device for vaporizers. O. Mitchell. 2,569,771, Oct. 2.
Salt of penicillin, Antihistamine. A. P. Granatek. 2,569,666, Oct. 2.
Sash and door holder, Revolving. H. Steckling. 2,569,620, Oct. 2.
Sash construction. C. M. Verhagen. 2,570,169, Oct. 2.
Sawmill hydraulic carriage assembly. G. E. Zweifel and D. H. Bookhultz. 2,569,842, Oct. 2.
Scaffold carriage, Vertically adjustable. R. Boedecker. 2,569,653, Oct. 2.
Scalp-treating device. H. M. Avery. 2,569,795, Oct. 2.
Scoop mechanism for trucks. E. J. Abbe. 2,569,740, Oct. 2.
Screw anchor adapter. C. W. Kandle. 2,569,528, Oct. 2.
Screw driver, Power-operated. E. H. Shaff. 2,570,164, Oct. 2.
Screws, Actuating. W. E. Skidmore, R. P. Person, and F. Terdina. 2,569,542, Oct. 2.
Seat: *See*—
Child's adjustable seat. Tractor seat.
Self-lubricated steering knuckle joint. M. A. Moskovitz. 2,569,823, Oct. 2.
Separating charged particles of different mass-to-charge ratios, Method and apparatus for. P. O. Schissel. 2,570,158, Oct. 2.
Separation of isophthalic acid from terephthalic acid by noncatalytic esterification. R. J. Agnew and R. E. Conary. 2,569,440, Oct. 2.
Separator: *See*—
Nonrotary centrifugal separator.
Servo-power application to dies of die-casting machines. L. H. Morin. 2,569,863, Oct. 2.
Setting of tool for brake drum machining. E. L. Stacey. 2,569,873, Oct. 2.
Shaft bearing. E. A. Hallstrand. 2,570,117, Oct. 2.
Sheet, Bed. M. B. Black. 2,569,627, Oct. 2.
Shelf supporting arrangement. R. J. Carbary. 2,570,097, Oct. 2.
Shipping container. F. A. Palmer. 2,570,070, Oct. 2.
Shirt embodying a detachable collar construction. E. Sacchitella. 2,569,693, Oct. 2.
Shoulder strap holder of bent wire, Lingerie. E. M. Lovejoy. 2,569,938, Oct. 2.
Shutter for dissolving projected images with lenses of different sizes. F. Waller. 2,569,875, Oct. 2.
Signal comparator system. H. R. Reiss. 2,570,156, Oct. 2.
Signal detector circuit. W. Y. Pan. 2,569,687, Oct. 2.
Signal storing device and proportional-control circuits therefor. H. Ziebolz. 2,569,911, Oct. 2.
Signaling system for electrical indicating instruments, Interlocking. S. C. Hoare and A. J. Corson. 2,570,125, Oct. 2.
Silicate fibers and frit, Apparatus and method for manufacturing. E. M. Hommel. 2,569,472, Oct. 2.
Skirt hanger. J. Ambrosino and M. Pascale. 2,570,043, Oct. 2.
Sled runner. C. F. Herbert. 2,569,889, Oct. 2.
Sleeve anchoring device, Expansible. J. P. Palmer. 2,570,003, Oct. 2.
Slicer, Endless band blade bread. H. G. Tatosian. 2,569,545, Oct. 2.
Soap molding frame. S. B. Gersten and J. Raschal. 2,569,469, Oct. 2.
Socket for printed circuits, Tube. H. M. Barton, Jr. 2,569,550, Oct. 2.
Sofa-bed construction. H. E. Lowry. 2,569,999, Oct. 2.
Soft tire indicator. C. Gallot and A. G. Olscheske. 2,570,108, Oct. 2.
Soldering iron stand. H. S. Wedmore. 2,570,041, Oct. 2.
Sound creating device. W. A. Garratt. 2,569,713, Oct. 2.
Spigot washer and contracting liner, Combined. H. R. Harding. 2,569,471, Oct. 2.
Spinning cot. R. C. Treue. 2,569,546, Oct. 2.
Spool, Needle-retaining. L. Locantore. 2,569,684, Oct. 2.
Spoon, Measuring. J. G. Welland. 2,569,703, Oct. 2.
Spray gun for projecting powdered materials. E. S. Penny. 2,570,004, Oct. 2.
Spray-producing apparatus for liquids. G. M. Hall. 2,569,759, Oct. 2.
Sprayer. V. Santarelli. 2,569,903, Oct. 2.
Spring fed magazine. L. V. Kapsa. 2,569,995, Oct. 2.
Stabilization network. C. E. Young. 2,569,626, Oct. 2.
Stacker for hay in bales. C. A. and C. T. Hansen. 2,569,760, Oct. 2.
Stairway, Moving. R. F. Loughridge. 2,570,135, Oct. 2.
Stand: *See*—
Soldering iron stand.
Staple fibers of artificial materials such as rayon, Production of. W. H. Schneider. 2,569,957, Oct. 2.
Starting a unit for high-temperature reactions. P. W. Cornell. 2,569,846, Oct. 2.
Steam circulator. J. Seligman. 2,569,735, Oct. 2.
Sterilising canned foods. G. K. Viall. 2,569,645, Oct. 2.
Stirrer and feeder. P. F. Spremulli. 2,570,078, Oct. 2.
Stirrer and feeder, Glass. P. F. Spremulli. 2,570,079, Oct. 2.
Stirring glass, Method and apparatus for. C. F. De Voe. 2,569,459, Oct. 2.

Stone picker. H. J. Huhne. 2,569,719, Oct. 2.
Stop motion for circular looms. E. Vossen. 2,569,591, Oct. 2.
Storage system, Telegraph. W. M. Bacon. 2,569,443, Oct. 2.
Storage system, Telegraph. G. A. Locke. 2,569,478, Oct. 2.
Storm door and window hardware. F. and B. Mastrangelo. 2,569,941, Oct. 2.
Strain gauge. W. C. Gregory. 2,569,714, Oct. 2.
Strainer apparatus. T. De Grave. 2,569,748, Oct. 2.
Strap stretching device. J. N. Wognum. 2,569,623, Oct. 2.
Strip for pulp and other types of screen plates, Sealing. H. W. Downs, Jr. 2,569,708, Oct. 2.
Striping film, Method and apparatus for. E. E. Griffith, Jr. 2,569,755, Oct. 2.
Suit, Diving. J. Browne. 2,569,451, Oct. 2.
Superheterodyne receiving circuit arrangement. C. J. van Loon. 2,570,016, Oct. 2.
Support: *See*—
Box load support. Transparent panel support.
Foot support.
Support for mirrors, Adjustable. R. C. Trainor. 2,569,622, Oct. 2.
Support for rotary kilns. S. W. Traylor, Jr. 2,570,082, Oct. 2.
Supporting casing for collapsible tube, having extruding mechanism for the contents of said tube. A. B. Smith. 2,570,077, Oct. 2.
Surge testing. E. F. Harter. 2,569,990, Oct. 2.
Suspender, Button and loop sock. J. Hora. 2,569,931, Oct. 2.
Switch: *See*—
Electric switch.
Switch and relay, Mercury. H. E. Bucklen, III, and G. L. Weimer. 2,570,095, Oct. 2.
Switch device, Safety automobile wheel. M. H. Levy and R. A. Donovan. 2,569,998, Oct. 2.
Synthetic hard resins prepared from α,β-unsaturated polycarboxylic acids. A. E. Rheineck. 2,569,495, Oct. 2.
Syringe for regional anesthesia of the lower jaw. E. N. Richard. 2,569,901, Oct. 2.
Talking machine with record changer. R. Thorens and L. Thévenaz. 2,570,040, Oct. 2.
Telegraph system, Two-wire double commutation. F. H. Fay. 2,569,926, Oct. 2.
Telephone system involving separate operator and subscriber register sender apparatus, Automatic. H. M. Balzer and J. E. Ostline. 2,569,650, Oct. 2.
Television receiver chassis construction. F. L. Wedig. 2,570,017, Oct. 2.
Terminal block for electrolytic capacitors. P. M. Deeley. 2,569,925, Oct. 2.
Tetra alkyl orthosilicate, Preparing. F. A. Smith. 2,569,784, Oct. 2.
Tetrode with built-in capacitor, High-frequency. W. W. Eitel and J. A. McCullough. 2,569,847, Oct. 2.
Textile apparatus. R. H. Baines, T. Eccles, and S. M. Fulton. 2,569,649, Oct. 2.
Thermostat. Fluid expansion. R. Carlstedt. 2,570,098, Oct. 2
Thermostatically controlled vaporizing fuel burner. H. S. Woodruff. 2,569,877, Oct. 2.
Thiophene from diolefin and hydrogen sulfide, Production of. E. F. Wadley. 2,570,083, Oct. 2.
Thiourea-ketone complexes. L. C. Fetterly. 2,569,985, Oct. 2
Thread carrier. O. M. Schmidt. 2,569,904, Oct. 2.
Thread control for weft replenishing looms. R. G. Turner. 2,569,547, Oct. 2.
Thread feeler device in spinning and twisting machines. B. Melin and H. Jeppson. 2,569,728, Oct. 2.
Three-way valve. J. E. Dube and E. Jones. 2,569,751, Oct. 2.
Tilt, Ice-fishing. E. H. and A. J. Olesen. 2,569,946, Oct. 2.
Tire mounting device, Circumferentially traveling type, pedestal mounted. R. A. Weaver. 2,569,788, Oct. 2.
Toilet roll winder. S. J. Campbell. 2,569,797, Oct. 2.
Tool: *See*—
Drill tool. Rotary abrading tool.
Machine tool. Rotary carving tool.
Pipe gripping tool.
Tool feed for lathes, Hydraulic follow-up. C. H. Johnson. 2,569,526, Oct. 2.
Tool for marking animals' ears for identification. A. H. Cooke and R. H. Mumford. 2,570,048, Oct. 2.
Tool for reshaping deformed automobile body parts. R. E. Ferguson. 2,569,519, Oct. 2.
Towel cabinet. F. C. Peacock and J. B. Engel. 2,569,828, Oct. 2.
Toy merry-go-round. E. Centofanti. 2,569,922, Oct. 2.
Toy, Rolling and rockable. R. B. Bennett. 2,570,091, Oct. 2.
Track structure, Conveyer chain. O. J. B. Orwin. 2,569,947, Oct. 2.
Tractor-drawn corrugator. C. L. Roberts. 2,569,870, Oct. 2.
Tractor hitch, Multiple-drill. V. B. Snyder. 2,569,736, Oct. 2.
Tractor seat. E. M. O'Donnell. 2,569,730, Oct. 2.
Transducer, Pressure responsive. C. Frondel. 2,569,987, Oct. 2.
Transfer applying machine. T. Harris. 2,569,631, Oct. 2.
Transformer, Variable. O. A. Keefe. 2,569,675, Oct. 2.
Transmission, Automatic. W. E. Looney. 2,569,685, Oct. 2.
Transmission mechanism, Automatic. J. W. Ellor. 2,569,981, Oct. 2.
Transmitter modulated by anode control. J. Polonsky. 2,569,948, Oct. 2.
Transparent panel support. N. A. Schassberger. 2,569,955, Oct. 2.
Trap and container, Live bait. P. P. Simpson, Sr. 2,569,833, Oct. 2.
Treatment of fibrous material and product resulting therefrom. J. W. Schick and H. D. Hartough. 2,569,695, Oct. 2.
Treatment of microspherical particles to render them nonagglomerating. C. N. Kimberlin, Jr. 2,570,063, Oct. 2.
Treatment of naphtha containing oxygenated compounds. D. Eastman. 2,569,463, Oct. 2.
Truck body. E. L. Wiedman. 2,569,965, Oct. 2.
Truck, Snubbed bolster. F. P. Quinn. 2,569,950, Oct. 2.
Truck, Snubbed bolster. W. L. Schlegel, Jr. 2,570,159, Oct. 2.
Tub, Walk-in-bath. A. E. Fowler and A. Dressler, Jr. 2,570,053, Oct. 2.
Tube: *See*—
Beam amplifier tube. Polar co-ordinate cathode-ray tube.
Cathode-ray tube.
Electron discharge tube.
Tube flaring machine. R. I. Hahn and B. E. Frank. 2,569,523, Oct. 2.
Turner, Rouleau. M. Temple. 2,570,012, Oct. 2.
2-amino-4-methyl pyrimidines and preparing same. H. Andersag and H. Mauss. 2,570,087, Oct. 2.
Two-cycle internal-combustion engine with exhaust gas turbine. W. P. Mansfield and J. White. 2,570,036, Oct. 2.
2-nitrodiphenylamine-4-sulfonmorpholides. V. S. Salvin and J. R. Adams, Jr. 2,569,694, Oct. 2.
Two-wire test clip. A. C. Benner and W. L. Guest. 2,569,972, Oct. 2.
Tying device. G. T. Rogers and I. W. Coleman. 2,569,780, Oct. 2.
Typewriter and card punch combination. C. R. Doty, H. J. Klotz, and T. D. Koranye. 2,569,805, Oct. 2.
Ultraviolet irradiation. W. T. Anderson, Jr. 2,569,793, Oct. 2.
Unloading mechanism for cooky coating conveyors. N. J. Watson. 2,569,839, Oct. 2.
Utility frame. E. B. and H. Chansler. 2,569,555, Oct. 2.
Vacuum insect eradicating device for showcases. C. O. Knox. 2,569,722, Oct. 2.
Valve: *See*—
Electrically modulated valve. Remotely controlled reversing valve.
Four-way valve. Three-way valve.
Valve. B. N. Ashton. 2,569,967, Oct. 2.
Valve. V. G. Klein and L. C. Rotter. 2,569,766, Oct. 2.
Valve and pump. R. B. Saalfrank. 2,569,734, Oct. 2.
Valve control for well tools. R. C. Baker. 2,569,437, Oct. 2.
Valve for fluid actuated rotary tools, Throttle. P. E. Schmid. 2,570,009, Oct. 2.
Valve for suction socket prosthesis. J. W. White and J. J. Vollmer. 2,569,790, Oct. 2.
Variable-speed clutch. U. A. Moores. 2,569,864, Oct. 2.
Vending machine. C. L. Grau. 2,569,988, Oct. 2.
Vending machine, Beverage. B. E. Mills. 2,569,486, Oct. 2.
Venetian blind. H. Nelson. 2,569,866, Oct. 2.
Venetian blind and awning, Combination. J. C. Williamson. 2,570,018, Oct. 2.
Ventilator. W. H. Porter. 2,569,689, Oct. 2.
Vibrator, Mechanical. R. S. Nevin, Sr. and C. M. Fields. 2,569,900, Oct. 2.
Vitreous enamel base stock, vitreous enameled articles and method. A. E. Chester and I. H. Schram, Jr. 2,569,453, Oct. 2.
Voltage control system utilizing frequency modulation. R. F. Wild. 2,569,791, Oct. 2.
Voltage regulator. E. M. Sorensen. 2,569,500, Oct. 2.
Vulcanization last. J. Mašek. 2,569,725, Oct. 2.
Waistband for pleated trousers, Adjustable. L. F. Grue. 2,569,853, Oct. 2.
Wall, Furnace. G. P. Reintjes. 2,570,073, Oct. 2.
Wall structure. W. A. Mayes. 2,569,896, Oct. 2.
Washer: *See*—
Automatic window washer.
Watchcase with locking means. J. Simon. 2,569,619, Oct. 2.
Water level and temperature control system for washing machines. J. Neuroth and J. C. Smith. 2,570,148, Oct. 2.
Well treating device. D. G. Kendall and W. L. Giesler. 2,569,893, Oct. 2.
Wet screen sizing. W. C. Laughlin. 2,570,035, Oct. 2.
Wheel: *See*—
Resilient car wheel.
Wheel cover. G. A. Lyon. 2,569,482–3, Oct. 2.
Wheel differential hub, Dual. M. L. Moore and A. D. Fritz. 2,569,861, Oct. 2.

Wheel hub and clamping means therefor, Expansible and contractible. C. W. Van Schoyck. 2,569,590, Oct. 2.
Wheel suspension. E. E. Taylor. 2,569,787, Oct. 2.
Wind tunnel, Supersonic. R. H. Johnson. 2,570,129, Oct. 2.
Winding machine. A. C. de Beauregard. 2,569,657, Oct. 2.
Winding machine. M. Rose. 2,569,618, Oct. 2.
Winding machine, Bobbin. R. P. Drake. 2,569,661 Oct. 2.
Window operator, Casement. N. M. Hiser. 2,569,565, Oct. 2.
Work-holder for shapers. H. Lehr. 2,569,613, Oct. 2.
Wrench and gear-driven wrench adapter, Torque. J. R. Wells. 2,569,509, Oct. 2.
Wrench having arcuate guide slot and longitudinally slidable actuator, Pivoted side jaw. F. E. Bradley. 2,569,551, Oct. 2.
Wrench having pivoted arm, slidably adjustable, Closure. F. M. Hooker. 2,569,608, Oct. 2.
Wristband. G. D. Drewry. 2,569,885, Oct. 2.
Zero suppressing means for printing machines. W. T. Goliwitser. 2,570,113, Oct. 2.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 2, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number.

2— 2.1: 2,570,019
8: 2,569,715
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306: 2,569,953
3— 3: 2,569,790
4— 173: 2,570,053
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287: 2,569,615
5— 8: 2,569,574
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95: 2,569,555
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334: 2,569,627
9— 2: 2,569,611
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9: 2,569,977
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12— 17: 2,570,086
15— 25: 2,569,635
261: 2,569,786
16— 65: 2,569,806
128: 2,569,862
17— 11: 2,570,143
18— 2.5: 2,569,472
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46: 2,569,725
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143: 2,569,546
20— 15: 2,569,902
19: 2,569,614
55: 2,569,941
56.5: 2,570,169
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23— 110: 2,569,680
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24— 86: 2,569,938
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153: 2,570,166
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29— 42: 2,569,526
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42.09: 2,570,100
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123: 2,569,674
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204— 2: 2,570,096
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210— 11: 2,570,131
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211— 2: 2,569,716
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51.11: 2,569,859

240— 72:	2,569,772	282—301.4:	2,569,939	260— 82.3:	2,569,480	260— 651:	2,570,022	280— 153:	2,569,495	312— 15:	2,570,046
241— 20:	2,570,119		2,569,940	82.5:	2,569,506	653:	2,569,644	287— 20.1:	2,569,528	43:	2,570,167
	2,570,120		2,570,136	82.7:	2,569,462	656:	2,569,923	20.2:	2,569,532	46:	2,569,988
135:	2,569,744	361:	2,570,115	84.3:	2,569,668	676:	2,569,984	90:	2,569,823	63:	2,569,572
242— 1:	2,569,679	448:	2,570,063	85.7:	2,569,932		2,569,986	292— 108:	2,569,647	100:	2,569,828
4:	2,569,657	475:	2,570,056	86.7:	2,569,461	683.15:	2,570,032	294— 31:	2,570,069	252:	2,570,054
6:	2,569,618	253— 50:	2,569,898	87.5:	2,569,524	683.3:	2,570,067	62:	2,569,966	276:	2,569,761
27:	2,569,661	254— 51:	2,569,623	88.5:	2,570,027	261— 54:	2,569,782	74:	2,569,912	295:	2,569,763
54:	2,569,785	89:	2,569,982		2,570,028	262— 20:	2,569,682	92:	2,569,978	351:	2,570,097
58:	2,569,589	92:	2,569,837	92.8:	2,570,056	33:	2,569,584	100:	2,569,760	313— 7:	2,570,124
64:	2,569,797	154:	2,569,597	147:	2,570,085	263— 9:	2,569,634	295— 11:	2,569,617	46:	2,570,121
84.1:	2,569,770	255— 35:	2,570,080	150:	2,570,084	266— 23:	2,570,026	296— 23:	2,569,641	57:	2,569,872
146:	2,569,780	257— 254:	2,569,735	162:	2,570,052	267— 1:	2,569,503	28:	2,569,965	77:	2,570,008
244—17.21:	2,569,882	258— 1.2:	2,569,557	239.1:	2,569,666	19:	2,569,787	49.2:	2,569,436	82:	2,569,654
42:	2,569,983	259— 1:	2,570,168	239.7:	2,569,694	268— 62:	2,569,624	84:	2,569,955	188:	2,569,474
122:	2,569,638	4:	2,570,099	256.4:	2,570,087	118:	2,569,565	107:	2,569,724	247:	2,569,665
248— 26:	2,569,622	6:	2,570,114	257:	2,570,024	270— 57:	2,569,692	297— 6:	2,570,098	250:	2,570,165
257:	2,569,821	9:	2,569,439	307:	2,569,801	86:	2,569,769	299— 63:	2,569,759	318:	2,569,848
260:	2,569,756	37:	2,570,079	332.8:	2,570,083	271— 2.1:	2,570,061	97:	2,569,903	314— 55:	2,569,917
269:	2,570,075	104:	2,570,042	345:	2,569,455	2.2:	2,570,172	121:	2,569,588	315— 21:	2,569,971
250— 14:	2,570,017	107:	2,569,459	348:	2,569,502		2,570,176		2,569,992	61:	2,569,847
26:	2,569,626		2,570,078	429:	2,569,492	51:	2,569,976	130:	Re.23,413	316— 19:	2,569,723
	2,569,687	260— 9:	2,569,539	448.8:	2,569,746	272— 31:	2,569,922	140:	2,569,683	318— 18:	2,569,456
	2,570,016	23.7:	2,569,541		2,569,747	273—101.1:	2,569,594	301 — 36:	2,569,861	28:	2,569,607
27:	2,569,827	26:	2,569,495		2,569,784	133:	2,569,637	37:	2,569,482		2,569,818
	2,570,175	27:	2,569,447	450:	2,569,463	139:	2,569,860		2,569,483	321— 18:	2,569,500
31:	2,569,802		2,569,448	475:	2,570,038	152.31:	2,569,701	128:	2,569,590	42:	2,569,605
35:	2,569,810		2,569,449	485:	2,570,037	274— 10:	2,570,040	302 — 63:	2,570,004	48:	2,569,698
36:	2,570,013		2,569,540	525:	2,569,440	277— 20:	2,569,508	304 — 14:	2,570,076	323— 22:	2,569,945
41.9:	2,570,158		2,569,884	543:	2,569,549	45:	2,569,520	29:	2,569,653	332— 1:	2,569,927
45:	2,570,064	45.5:	2,569,470	552:	2,569,985	279— 75:	2,569,616	308— 36.1:	2,570,117	5:	2,569,924
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251— 70:	2,569,766	47:	2,569,920	576:	2,569,814		2,569,494	235:	2,569,531	343— 7:	2,569,485
119:	2,569,967	78.4:	2,570,029	593:	2,570,157	28:	2,569,889	309— 43:	2,569,601	11:	2,569,758
189:	2,569,471	78.5:	2,569,959	609:	2,570,050	30:	2,570,091	44:	2,569,778	346— 139:	2,569,510
252— 8:	2,569,979		2,569,960	643:	2,569,671	33.44:	2,569,736	46:	2,569,777		
179:	2,569,936	79.3:	2,570,094	650:	2,569,441		2,569,843	312— 10:	2,569,587		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 164,751:	D3—13	2,569,556:	97—78	2,569,743:	128—342	2,569,865:	183—34	2,569,970:	179—15.6	2,570,090:	260—46.5
Des. 164,752:	D3—13	2,569,561:	250—58	2,569,748:	210—152	2,569,895:	23—254	2,569,971:	315—21	2,570,100:	43—42.09
Des. 164,753:	D3—13	2,569,566:	164—38	2,569,755:	117—34	2,569,903:	299—97	2,569,984:	260—676	2,570,103:	226—20.1
2,569,445:	188—106	2,569,595:	196—75	2,569,775:	219—20	2,569,908:	132—19	2,569,994:	139—157	2,570,121:	313—46
2,569,449:	260—27	2,569,603:	194—102	2,569,779:	18—2.5	2,569,917:	314—55	2,569,996:	60—35.5	2,570,124:	313—7
2,569,451:	128—144	2,569,605:	321—42	2,569,792:	42—42.4	2,569,919:	219—47	2,570,004:	302—63	2,570,132:	210—144
2,569,453:	204—34	2,569,622:	248—28	2,569,793:	95—73	2,569,920:	260—47	2,570,005:	171—312	2,570,133:	224—48
2,569,456:	318—18	2,569,654:	313—82	2,569,797:	242—65	2,569,924:	332—5	2,570,007:	57—71	2,570,145:	93—53
2,569,458:	259—107	2,569,665:	313—247	2,569,805:	164—113	2,569,928:	222—136	2,570,008:	313—77	2,570,146:	93—53
2,569,462:	260—82.7	2,569,678:	224—42.45	2,569,810:	250—33	2,569,932:	260—85.7	2,570,058:	252—475	2,570,155:	138—37
2,569,476:	171—119	2,569,680:	23—110	2,569,814:	260—676	2,569,936:	252—175	2,570,065:	198—198	2,570,165:	313—250
2,569,500:	321—18	2,569,683:	299—140	2,569,817:	235—61	2,569,941:	20—55	2,570,074:	62—173	2,570,172:	271—2.2
2,569,517:	175—21	2,569,689:	98—88	2,569,825:	4—185	2,569,948:	332—49	2,570,075:	248—309	2,570,173:	19—1
2,569,526:	260—9	2,569,694:	260—239.7	2,569,829:	235—61.9	2,569,954:	154—129	2,570,077:	222—100	2,570,175:	250—27
2,569,540:	173—339	2,569,723:	316—19	2,569,834:	155—198	2,569,963:	229—17	2,570,078:	259—107	2,570,178:	84—1.11
2,569,554:	5—95	2,569,726:	57—112	2,569,847:	315—61	2,569,969:	198—64	2,570,079:	259—37		

Classification of Designs

D 1— 2:	Des. 164,703	D10— 4:	Des. 164,737	D42— 7:	Des. 164,686	D45—19:	Des. 164,720	D52— 2:	Des. 164,741
	Des. 164,704	D14— 3:	Des. 164,683	D44—15:	Des. 164,669		Des. 164,721	D54—12:	Des. 164,684
	Des. 164,736	30:	Des. 164,746	D45— 4:	Des. 164,711		Des. 164,722	13:	Des. 164,687
12:	Des. 164,743	D15— 1:	Des. 164,662		Des. 164,730		Des. 164,723		Des. 164,705
D 3—13:	Des. 164,751		Des. 164,732	9:	Des. 164,719		Des. 164,724	D56— 1:	Des. 164,696
	Des. 164,752	D17— 1:	Des. 164,750		Des. 164,727		Des. 164,725		Des. 164,702
	Des. 164,753	10:	Des. 164,685		Des. 164,728		Des. 164,726	4:	Des. 164,663
17:	Des. 164,706	D21— 6:	Des. 164,738		Des. 164,729	D46— 1:	Des. 164,698		Des. 164,664
25:	Des. 164,690		Des. 164,739		Des. 164,731	D47— 7:	Des. 164,673		Des. 164,665
	Des. 164,691	D29—23:	Des. 164,747	16:	Des. 164,712		Des. 164,674		Des. 164,666
26:	Des. 164,672	D30— 1:	Des. 164,735		Des. 164,713		Des. 164,675	D57— 1:	Des. 164,699
D 5— 5:	Des. 164,679	D31— 2:	Des. 164,707		Des. 164,714		Des. 164,756	D58— 6:	Des. 164,678
	Des. 164,680	D33— 1:	Des. 164,734		Des. 164,715	D48—20:	Des. 164,668	8:	Des. 164,677
	Des. 164,681	7:	Des. 164,748		Des. 164,716	27:	Des. 164,745	12:	Des. 164,755
D 7— 4:	Des. 164,667	14:	Des. 164,682		Des. 164,717	D49— 1:	Des. 164,697	26:	Des. 164,692
7:	Des. 164,754	D34—15:	Des. 164,749		Des. 164,718		Des. 164,740	D64—12:	Des. 164,688

D64—12:	Des. 164,701		
	Des. 164,742		
D70— 1:	Des. 164,709		
D74— 1:	Des. 164,733		
D80— 8:	Des. 164,710		
9:	Des. 164,744		
11:	Des. 164,689		
D81—10:	Des. 164,676		
19:	Des. 164,670		
	Des. 164,671		
D86—10:	Des. 164,700		
D89— 1:	Des. 164,693		
D92—17:	Des. 164,694		
	Des. 164,695		
D92—26:	Des. 164,708		

U. S. GOVERNMENT PRINTING OFFICE: 1951

Condition of Applications Under Examination at Close of Business Sept. 14, 1951

Total number of patent applications awaiting action, 109,873. Date of oldest new application, October 24, 1950; date of oldest amended application, October 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	10-26-50	10-27-50	2366
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	12-22-50	12-12-50	1237
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	1-19-51	1-17-51	1539
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	11-28-50	111-4-50	1902
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	1-31-51	1-31-51	951
6. SURLE, H., Carbon Chemistry (part)	12-1-50	12-6-50	1870
7. GONSALVES, J. E., Optics; Photography (part)	1-6-51	1-15-51	1291
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	12-1-50	12-1-50	1954
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	12-1-50	12-1-50	1613
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-1-50	11-21-50	1261
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	12 11 50	11-30-50	1027
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	12 18 50	12-21-50	1208
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	11-4-50	11-6-50	1288
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	11-13-50	11-1-50	1626
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-7-51	2-5-51	1345
16. LOVEWELL, N. N., Television, Telephony	11-13-50	11-14-50	1384
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	11-15-50	111-3 50	1649
18. KURZ, J. A., Power Plants; Speed Responsive Devices	12-9-50	12-2-50	1361
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	11-6-50	11-7-50	1223
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	11-13-50	11-6-50	1535
21. MADER, R. C., Textiles; Package and Article Carriers	11-13-50	11-8-50	1743
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	11-14-50	11-14-50	1275
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11 16 50	11 15 50	885
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	1 17 51	1 15 51	1806
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Gutters and Comminutors; Distillation.	12 4-50	12 6-50	1403
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	11-21-50	11-16-50	1211
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	10-27-50	10-27-50	2242
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	11-8-50	11-8-50	1591
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-13-50	1684
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	1-15-51	1-16-51	1626
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-18-51	12-29-50	2013
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	11-10-50	11-6-50	1381
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	12-8-50	12-22-50	2191
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	11-13-50	11-15-50	1284
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	11-25-50	11-16-50	1673
36. McFADYEN, A. D., Measuring and Testing	11-16-50	11-15-50	1306
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	12-12-50	12-18-50	1361
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-23-50	11-30-50	1338
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	12-14-50	12-11-50	2269
40. DRUMMOND, E. J., Receptacles (part); Packages	11-13-50	11-10-50	2764
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-9-50	11-8-50	1335

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 109,873. Date of oldest new application, October 24, 1950; date of oldest amended application, October 26, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	11-9-50	11-7-50	2089
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-23-51	2-15-51	1009
44. HARVEY, L. P., Beds; Chairs, Seats	11-9-50	10-31-50	1573
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	10-24-50	10-26-50	1697
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	12-6-50	11-24-50	1107
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	12-13-50	12-2-50	1499
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-2-50	11-27-50	919
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	12-4-50	11-28-50	1642
50. LEVIN, S., Synthetic Resins	3-1-51	2-10-51	1479
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	11-15-50	11-15-50	1177
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-13-50	11-14-50	2448
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Appliances.	1-25-51	12-30-50	988
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	11-13-50	11-15-50	1729
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1-12-51	1-17-51	1141
56. COCHERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	12-23-50	12-22-50	1571
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	12-1-50	12-7-50	1750
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Feed Apparatus; Bottles and Jars; Closure Operators.	12-5-50	11-17-50	1267
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	12-16-50	12-23-50	1354
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	11-24-50	11-20-50	1246
61. LANHAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-8-50	11-13-50	1568
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	11-29-50	11-17-50	1604
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	1-5-51	1-3-51	1720
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-13-51	2-3-51	1826
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-16-50	12-15-50	1630
66. LIBANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	11-6-50	11-1-50	1273
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-15-50	12-14-50	1425
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12-6-50	12-5-50	1760
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	11-10-50	11-6-50	1383
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-15-50	11-13-50	1719
DESIGNS: A. BREHM, G. L., Industrial Arts	5-17-51	5-12-51	660
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	4-9-51	5-1-51	1417

Total number of trade-mark applications awaiting action (including renewals and republications), 17,728. Date of oldest new application, February 1, 1951; date of oldest amended application, February 1, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION[1]	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	2-1-51	2-7-51	5517
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	3-14-51	3-1-51	3311
Renewals (All Classes)	7-25-51	8-9-51	231
Republications (All Classes)	7-6-51	8-9-51	643
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	2-1-51	2-1-51	4363
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	2-19-51	2-19-51	3663

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE SMYTH

No. 5808. Decided June 5, 1951

[189 F.2d 982; 90 USPQ 106]

1. APPLICATION—EFFECTIVE DATE—FILING DATE OF BRITISH PROVISIONAL SPECIFICATION.

Held that an applicant is entitled to rely upon the filing date of his provisional specification in Great Britain for constructive reduction to practice of all subject matter which the provisional specification discloses.

2. APPEAL TO U. S. COURT OF CUSTOMS AND PATENT APPEALS—JURISDICTION—COURT CANNOT DECLARE INTERFERENCES.

Held this court is without jurisdiction to declare, or to direct the declaration of, interferences.

3. APPLICATION—EFFECTIVE DATE—SUFFICIENCY OF DISCLOSURE IN BRITISH PROVISIONAL SPECIFICATION.

Held that in deciding whether or not the claims are properly supported by the British provisional specification, the case requires precisely the same consideration it would receive if the provisional specification constituted the entire specification of appellant's United States application.

4. SAME—SAME—SAME.

Where the British provisional specification does not disclose an embodiment of the invention, *Held* that affidavits purporting to show that operative embodiments could be evolved from the British specification need not be considered, since United States statutes require that a proper disclosure include an embodiment of the invention, illustrated by drawings where practicable.

5. PATENTABILITY—PARTICULAR SUBJECT MATTER—TELEVISION RECEIVER.

Certain claims to a television receiver *Held* not properly supported by appellant's British provisional specification and, thus, unpatentable over cited prior art.

APPEAL from the Patent Office. Serial No. 769,549.

AFFIRMED.

Rayson P. Morris (*John J. Rogan* of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner, hereinafter referred to as the Examiner, rejecting the claims, numbered 4 to 12, inclusive, of appellant's application for patent relating to alleged "new and useful improvements in Control of Television Receivers." No claims were allowed.

Claims 10 and 11 are method claims; the others relate to an apparatus by means of which the method is practiced.

The Board selected claim 4 as illustrative of all the claims. In the brief for appellant claim 10 is cited as typical of the method claims. We here reproduce the two:

4. A television receiver comprising means for receiving television signals, an image reproducer for reproducing images corresponding to said signals, means for controlling an operating characteristic of said receiver to modify the signals produced thereby, a light sensitive device positioned and constructed to detect illumination impinging on the receiver from a source exterior thereto and arranged to generate control signals substantially independent of said television signals but corresponding to the level of said exterior illumination, and control means responsive to said control signals for modifying said operating characteristic of said image reproducer in accordance with changes in the intensity of said exterior illumination to modify said television signals in accordance therewith.

10. The method of reproducing television images in accordance with received signals in a location of varying general illumination which comprises generating electrical control signals responsive to the varying general illumination, producing television images under the control of received television signals, and combining the actions of said generated control signals and said received television signals to produce television images of substantially uniform apparent contrast independently of the intensity of the varying general illumination.

The Examiner's rejection which the Board affirmed was based upon the ground that the claims are unpatentable to appellant in view of a patent, No. 2,264,172, issued to John C. Batchelor November 25, 1941, upon an application, Serial No. 291,866, filed in the United States Patent Office August 25, 1939.

As a matter of fact, all the claims on appeal were copied verbatim from the Batchelor patent.

The situation presented is somewhat novel.

Appellant, who is a British subject, obtained from the British Government, as the inventor, a patent entitled "Improvements in or Relating to the Control of Television Receivers." The patent bears date of October 27, 1939. The provisional specification[1] of the patent, which appears to be required under British patent statutes, bears date of February 7, 1939. As we understand it, the latter was the filing date of the application and the former, that is, October 27, 1939, was the date of the issuance of the patent.

[1] It appears to be required by British law that an applicant for a patent file two specifications, one designated "provisional" and the other "complete" and the filing date of the provisional specification constitutes the filing date of the application.

Vol. 651 • No. 1 Tuesday, October 2, 1951 Price $33.00 per year

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Appellant avowedly is seeking to have an interference declared ultimately so that he may contest priority with Batchelor.

His United States application here involved was filed in the Patent Office August 19, 1947, and given the Serial Number 769,549. Its text is an exact replica of the complete specification of his British patent. As filed, it embraced three claims which were verbatim copies of the claims in his British patent.

From the foregoing it may be seen that the filing date of appellant's provisional specification in Great Britain (February 7, 1939) was more than six months prior to the filing date (August 25, 1939) of the United States application of Batchelor, but the date of issuance of appellant's patent (October 27, 1936), which contained the latter's complete specification, was substantially two months after the Batchelor filing date.

On October 14, 1947, appellant, proceeding under Public Law 690 of the 79th Congress (see 35 U. S. C. Sec. 100; also Patent Office Rule 55 in edition of March 1, 1949, with footnote) requested "the priority date of February 7, 1939," for his application, stating, in effect, that on that date he had filed the application, that is, his provisional specification, in Great Britain.

Certain evidence was submitted and the United States Examiner in a decision dated June 7, 1948, held appellant "entitled to a priority date corresponding to the filing date of the application [the provisional specification] filed in Great Britain on Feb. 7, 1939, as to claims 1, 2 and 3," but in the same decision he rejected those claims as being "vague, indefinite and incomplete," Nos. 1 and 2 being further rejected on certain prior art not involved here.

In the course of his decision he said:

> Although the British provisional specification is sufficient to support the functional statements of claims 1–3, it is to be noted that such disclosure would not support claims properly drawn to the subject matter disclosed by the present application.
>
> In amending his claims applicant should endeavor to patentably distinguish them over the Batchelor patent which discloses and claims subject matter quite similar to that disclosed by applicant.
>
> Since the above noted provisional specification does not disclose such subject matter and since the complete specification of applicant's British patent was not filed before the filing date of the Batchelor patent, this patent will constitute a valid reference.
>
> Furthermore applicant's British patent, cited above, is a statutory bar to the allowance of any claims not supported by the provisional specification referred to above.

Appellant thereupon canceled the three original claims, and on December 6, 1948, amended his application by substituting the nine claims here on appeal, stating that it was done "for purposes of Interference with U. S. Pat. No. 2,264,172" (the Batchelor patent).

[1] It is not questioned that appellant in this proceeding is entitled to rely upon the filing date of his provisional specification in Great Britain for constructive reduction to practice of all subject matter which it discloses, cf. *Electric Storage Battery Co.* v. *Shimadzu et al.*, 307 U. S. 5, 504 O. G. 4.

The brief of the Solicitor for the Patent Office states that "It is conceded that it [the provisional specification] is a reduction to practice for what is disclosed therein," but that "It is obviously not a reduction to practice for subject matter *not* disclosed therein." [Italics supplied by us.]

It apparently is conceded that the *complete* specification of appellant's British patent supports the appealed claims but the complete specification not having been issued until some two months after the filing date of the Batchelor application, it, in effect, properly was held that appellant could not rely on its date to establish a priority date even prima facie.

It is important in considering the case to keep in mind the distinction with reference to disclosure between appellant's provisional specification and his complete specification.

By reference to the decision of the Court of Appeals of the District of Columbia (now the United States Court of Appeals of the District of Columbia Circuit), our immediate predecessor in jurisdiction of appeals taken directly from the Patent Office, in the case of *In re Bastian*, 44 App. D. C. 425, 225 O. G. 1106; it may be seen that that court approved a holding of the Commissioner of Patents to the effect that the grant of a United States patent was barred where a provisional specification had been filed in Great Britain more than a year prior to the filing of the United States application, *notwithstanding the fact that the provisional specification did not disclose the subject matter of the claims of the United States application.*

If the principle of that decision were followed here it would seem that much of appellant's difficulty in the case might be obliterated, but this court in a decision in the interference case of *Normann et al.* v. *Schmidt et al.*, 29 CCPA (Patents) 822, 830, 125 F.2d 162, 52 USPQ 342, 539 O. G. 739, expressed its disagreement with that decision and declined to follow it, citing decisions to the contrary in the following cases: *American Stainless Steel Co. et al.* v. *Rustless Iron Corporation of America*, 2 F. Supp. 742; *Handley Page, Limited* v. *Leech Aircraft, Inc.*, 35 F. Supp. 856; and *Woburn Degreasing Co. of New Jersey* v. *Spencer Kellogg & Sons, Inc.*, 40 F. Supp. 357.

In its decision in the instant case, rendered in response to appellant's petition for reconsideration of its original decision affirming that of the Examiner, the Board of Appeals recited that the British Patents and Designs Act, 1907, Part I, Section 2, quoted the following from the British statutes[2]:

> (1) A *provisional* specification must describe the nature of the invention. (2) A *complete* specification must particularly describe and ascertain the nature of the invention and the *manner in which the same is to be performed.* [Italics supplied by us.]

Following this quotation the Board commented: A provisional specification only fulfills a part of what the complete specification will eventually describe. In other words the provisional specification merely describes the nature of the invention and does not set forth the manner in which the same is to be performed, which is the function of the complete specification and is also the function of the specification filed in the United States and which is acceptable as a constructive reduction to practice.

[2] In view of the fact that appellant, practically from the beginning of his activity in the United States Patent Office, has avowed it to be his purpose ultimately to secure a declaration of interference in order that he may contest priority with Batchelor, and in view of the further fact that the word "priority" appears so frequently in the record, in the arguments, and in this opinion, it is proper that we should emphasize the well-settled legal principle that this court is without jurisdiction to declare, or to direct the declaration of, interferences.

That was settled definitely by the Court of Appeals of the District of Columbia, our predecessor in patent jurisdiction, in a unanimous decision rendered January 2, 1894, in the case of *Westinghouse* v. *Duncan*, 2 App. D. C. 131, 66 O. G. 1009.

However, so far as the instant case is concerned, it does become our duty to pass upon the patentability of the appealed claims and certify our findings in that regard to the Commissioner of Patents, and in determining that question it must be decided whether the British provisional specification sufficiently supports the claims.

The specification of appellant's United States application follows verbatim his British complete specification, in which latter his British provisional specification is embodied. As has been stated, it apparently is conceded that the British complete specification discloses matter which would support the appealed claims taken from the Batchelor patent although the phraseology and drawings, so far as the appearance of the latter is concerned, of Batchelor differ from the phraseology and drawings of appellant, but it is denied vigorously by the tribunals of the Patent Office that appellant's provisional specification constitutes a sufficient disclosure.

It seems apparent therefore that the ultimate issue for our determination is whether the claims on appeal find the requisite support in appellant's provisional specification standing alone, that is, without any reference to other matter embraced in his patent.

[3] Perhaps the situation may be comprehended more readily when it is stated that, in our opinion, the case requires precisely the same consideration it would receive if the British provisional specification constituted the entire specification of appellant's United States application.

In other words, if there were here an application for patent the specification of which contained only the provisional specification of appellant's British patent, without drawings or other indicia, could such specification properly be held to meet the requirements of R. S. 4888, 35 U. S. C. Sec. 33, for a written description defining the manner and process of making and using the device for which patent is sought in such full, clear, and exact terms as to enable any person skilled in the television art to make, construct, and use the same? That is what the statute demands; it is not satisfied with less; and the matter must be tested by that requirement.

For the nonce we have accepted claims 4 and 10 quoted, supra, (the Board quoted only claim 4) as typical respectively of the apparatus and method claims, and in order that they may be studied in the light of appellant's provisional specification, filed in conformity with British law, we here quote the text of that specification in full:

> We, Kolster-Brandes Limited, a British company, and Charles Norman Smyth, a British subject, both of Cray Works, Sidcup, Kent, England, do hereby declare the nature of this invention to be as follows:
>
> *This invention relates to the control of television receivers and comprises the automatic control of brightness and/or contrast of the reproduced picture in* accordance with the lighting conditions in the neighbourhood of the receiver.
>
> A photoelectric or other light sensitive device may be incorporated in a television receiver cabinet or is likewise *associated with the receiver to respond* to the degree of general illumination present in the room in the neighbourhood of the television receiver. It is then so coupled in circuit that the brightness and/or contrast are dependent on the extraneous light falling on the receiver.
>
> For example if a receiver is being viewed in a darkened room and the light is switched on, the picture will require additional contrast and brightness and manual readjustment has normally to be resorted to. With the application of the invention, such readjustment becomes automatic.
>
> *One method of carrying the invention into effect would be to slightly increase the H. F. or video gain of the receiver by reducing the bias on one of the amplifier valves when the receiver becomes illuminated.*
>
> The changing bias can readily be obtained from a photo cell whose resistance is a function of the light falling on it, and which forms an integral part of a bias producing potentiometer in known manner. [Italics supplied by us.]

In a paper designated "Letter of Examiner, January 3, 1949," the Examiner rejected the claims, rendering a decision, the pertinent text of which we here quote:

> This application is not considered entitled to a priority date corresponding to the filing date of the application, filed in Great Britain on February 7, 1939, as to claims 4 through 12 for the reasons explained below.
>
> Claim 4, corresponding to claim 1 of patent No. 2,264,172, is not supported by the disclosure of British provisional specification of British Patent No. 524,672 for the following reasons.
>
> (1) A foreign specification whose text is to serve as the basis for claims in an American patent must conform to the requirements of Revised Statute, Sec. 4888, as rigidly as an American specification. The provisional specification does not conform to the requirements of Revised Statute, Sec. 4888, Rule 35, Rules of Practice, that it set forth the precise invention for which a patent is solicited, explain the principle thereof, and the best mode in which the application of the principle is contemplated.
>
> The invention, as explained in Rule 24, may be any new and useful art, *machine*, manufacture, or composition of matter, or any new and useful improvement thereof. As all that may be obtained from the provisional specification is the suggestion that a photoelectric cell placed in the vicinity of a television reproducing device may be used to vary the brightness of the latter in accordance with the ambient brightness, without the structure and circuit necessary to accomplish the result the precise invention is not set forth. Concomitantly, the principle thereof is not explained. [Italics quoted.]
>
> Too, no mode whatsoever of applying the principle is set forth.
>
> (2) The British provisional specification *does not include a drawing* as required by Revised Statute Sec. 4889, Rule 49. [Italics supplied by us.]
>
> (3) Every feature of the claim is not illustrated as required by Rule 50.
>
> Among the features of the claim not supported by the specification are:
>
> (a) Means for receiving television signals. Lines 16[3] and 34[3] do not disclose the means for receiving television signals.
>
> (b) Means for controlling an operating characteristic of said receiver to modify the signals produced thereby.

[2] A more elaborate statement respecting British patent statutes may be found in a decision of the Court of Appeals of the District of Columbia rendered April 1, 1902, in the case of *In re Swinburne*, 19 App. D. C. 565, 99 O. G. 1625. Incidentally, it may be said that the Swinburne case was cited in the decision of the Bastian case, hereinbefore referred to, but in our opinion the Swinburne decision does not support the Bastian decision in the particular upon which it was cited.

[3] The lines referred to are italicized in the provisional specification as quoted, supra.

Lines 7–10 narrate an object of the invention, and 32–37 a suggested method of carrying the invention into effect. *They do not disclose means.* [Italics supplied by us.]

(*o*) a light sensitive device positioned and constructed, etc. The disclosure neither positions nor constructs the device, nor arranges it to generate control signals corresponding to the level of exterior illumination.

(*d*) and control means responsive to said control signals, etc. *No such means are disclosed.* [Italics supplied by us.]

Claims 5 through 12 similarly fail to read on the disclosure of the British provisional specification.

Applicant having failed to establish prima facie evidence of priority, claims 4 through 12 are rejected as fully met by Batchelor.

Claims 6, 7 and 8 are further rejected as based on an insufficient disclosure. *The adjusting means of these claims are not found in the specification.* [Italics supplied by us.]

Following the Examiner's letter of January 3, 1949, appellant on January 29, 1949, submitted a further claim numbered 13[4], which seemingly was not taken from the Batchelor patent, and accompanied its submission by remarks traversing the Examiner's action.

On February 11, 1949, the Examiner again rejected claims 4 to 12, inclusive, in a decision from which we quote the following:

> • • • As indicated in the previous action invention does not reside in the suggestion that something may be done in one manner or another, but in the structure which, positively produces the desired result. That applicant's British provisional specification offers nothing more than a suggestion is evident from the next-last paragraph, which begins:
>
> "One method of carrying the invention into effect would be . . .". This cannot be construed as a disclosure of structure adequate to vary the receiver brightness as intended.
>
> The mere mention in the provisional specification of conventional receiver elements is meaningless, for the same elements may be combined in an infinite number of ways to produce results unakin to that which applicant seeks. It may be pointed out, for example, that the elements mentioned are combined in the system of the French patent cited to form a device which simultaneously sends and receives.
>
> Further, although the provisional specification states that the changing bias may readily be obtained from a photocell, in the embodiment of the invention disclosed by the complete specification the bias is taken from a tube fed by the photocell, rather than from the photocell, itself. The additional tube, V_2, and its associated components are not mentioned in the provisional specification.
>
> It would appear that applicant, himself, did not believe the provisional specification to disclose a utilizable embodiment of his idea, since the complete specification followed the provisional after the lapse of sufficient time to set forth the system forming the basis of the complete specification.

Applicant's attention is invited to the case of *Brand* v. *Thomas*, 1938 C. D. 467; 496 O. G. 561, from which the following is extracted:

> . . . Lack of clear disclosure is not supplied by a speculation as to what one skilled in the art might do or might not do if he followed the teaching of the inventor. The disclosure should be clearer than to suggest that one skilled in the art might construct the device in a particular manner.

See also *Thompson* v. *Dicke* (No. 4269), 1940 C. D. 269; 517 O. G. 564.

The Examiner declared this action to be final and on March 5, 1949, the appeal to the Board of Appeals was taken. The Examiner's official statement summarizing his reasons for the rejection was filed March 25, 1949.

Thereafter, specifically on April 7, 1949, appellant filed affidavits of two parties in what was stated to be "further support" of the argument that the British provisional specification constitutes "a sufficiently clear and precise disclosure of the invention to support the claims • • • and to permit one skilled in the art to which it appertains to make and use the invention."

One of the affidavits was made by Mr. Rayson P. Morris, one of appellant's attorneys. It reads:

> That on Mar. 5, 1949, he handed to Marshall Rogan, of Manhasset, New York, a copy of the provisional specification of British Patent 524,672, together with instructions to Marshall Rogan, copies of which are attached to and made a part of the affidavit under Rule 76 signed by the aforesaid Marshall Rogan.
>
> That the said Marshall Rogan was given some papers and left alone without further instructions, and that he prepared sketches of the circuit described in said provisional specification and a brief description of photocell operation circuit without reference to any text books and without consulting with any other person and based solely on the aforesaid provisional specification and letter of instructions. That these papers are attached to and made a part of the affidavit under Rule 76 executed by said Marshall Rogan.
>
> That affiant is informed and believes that the said Marshall Rogan is 14 years of age and a freshman in high school at the Manhasset High School.
>
> That the aforesaid Marshall Rogan may properly be considered as a person skilled in the art to which the invention described in the British specification appertains, but not an expert in said art.

We also quote the following from the affidavit of the young man:

> [He] deposes and says that he is 14 years of age and in the first year at Manhasset High School;
>
> That he has had some limited experience in servicing radio and television apparatus;
>
> That on March 5, 1949, he was given a memorandum from Mr. R. P. Morris together with an attached copy of provisional British specification, the papers of which are attached hereto and made a part hereof;
>
> That in accordance with the instructions in the memorandum and without any further help he prepared the sketches and description signed by him attached hereto and made a part hereof;
>
> That he had no difficulty in understanding how to apply the teachings of the provisional specification copy to normal television receivers; • • •.

The affidavit is accompanied by three figures of drawings with some explanatory writings. When this additional matter was brought to the attention of the Board of Appeals that tribunal ordered that it be remanded to the Primary Examiner "to make such disposition of said papers as he deems proper."

The drawings do not bear much resemblance to those which accompany the complete specification of the British patent, nor to the drawings of the Batchelor patent, so far as we can discern, but it is recognized that this is not necessarily a material matter, because even though the young man's drawings may differ in appearance from the patent drawings they may embody the invention. We, however, are unable to form any opinion as to whether they do in fact embody it.

In a supplemental statement upon this feature of the record, wherein he refused to withdraw his final rejection of February 11, 1949, the Examiner said, inter alia:

> • • • as has already been pointed out • • • the *provisional specification* [italics ours] does not set forth an embodiment of the invention as required by Rev. Stat., Sec. 4888. An operative embodiment of the invention evolved from the suggestion of the provisional specification would not compensate this deficiency.

The Board of Appeals declined to consider the affidavits, citing *In re Oppenauer*, 31 CCPA (Patents) 1248, 143 F.2d 974, 62 USPQ 297; 568 O. G. 393.

We there said:

> • • • It is well-settled law that testimony will not be received for the purpose of explaining the disclosure of a pending application except in very exceptional cases. *Cooper* v. *Downing*, 45 App. D. C. 345, 1916 C. D. 227; *Armstrong* v. *Levy*, 58 App. D. C. 293, 29 F.2d 953, 1929 C. D. 113; *Fishburn et al.* v. *Vincent*, 24 CCPA (Patents) 1079, 88 F.2d 711, 33 USPQ 156.

Appellant alleges that the Board erred in not considering the affidavits.

[4] We do not think the Board erred in this particular.

So far as the record discloses, no drawings were filed in Great Britain with appellant's provisional specification. Consequently, there was no disclosure there by that method. We may assume that English law did not require the filing of drawings with provisional specifications, but however that may be, it is required that drawings be a part of the specification of an application filed in the United States when practicable. R. S. 4889, 4890, and 4891 as codified in 35 U. S. C. Sec. 34, provide:

> When the nature of the case admits of drawings, the applicant shall furnish one copy signed by the inventor or his attorney in fact, which shall be filed in the Patent Office; and a copy of the drawing to be furnished by the Patent Office, shall be attached to the patent as a part of the specification.

That the nature of this case admitted of drawings is demonstrated by the fact that both the British and the Batchelor United States patents have them.

We have given most careful consideration to the arguments, well presented before us in the brief and orally by appellant's counsel, to the effect that where there is knowledge of the teachings of prior art sufficient, when coupled with disclosures such as are presented in appellant's provisional specification, to enable those skilled in the art to practice the invention, nothing more of detail is required. It seems to us that the English practice requiring a complete and detailed specification in addition to the provisional specification is itself something of a refutation of that idea. However that may be, the procedure here, of course, is governed by United States law.

In sustaining the decision of the Board affirming that of the Examiner we do not mean to set the stamp of our approval upon all the reasoning in which those tribunals indulged, nor are we prepared to agree fully with all the arguments made by the Solicitor for the Patent Office. It appears to us that to adopt his position in all its aspects would have the practical effect of eliminating the possibility of a provisional specification being accepted as a sufficient disclosure in almost any case involving it that might arise. We are not prepared to go to the extent of holding that.

In the interference case of *Burt* v. *Coats*, 47 App. D. C. 185, 246 O. G. 1031, the Court of Appeals of the District of Columbia sustained a claim as to certain elements of an invention as described in one of the counts being disclosed sufficiently in a provisional specification of a British patent "to enable one skilled in the art to understand their construction and mode of operation." The facts of that case, which was one of many cited on different points by appellant during the prosecution of this case in the Patent Office and before us, are not stated fully in the court's opinion, but evidently the provisional specification there involved must have been clearer and fuller than the one here involved.

We feel quite confident that the United States Patent Office would not and should not grant a patent upon an application having a specification as meager and incomplete as appellant's British provisional specification, nor would it be either proper or permissible to accept affidavits in order to establish facts which the specification itself should recite in order to conform to the mandatory provisions of the pertinent statutes.

[5] The decision of the Board of Appeals, sustaining the Primary Examiner's rejection of the claims for lack of sufficient disclosure in the provisional specification of appellant's British patent, is affirmed.

AFFIRMED.

[4] Claim 13 was rejected subsequently on Batchelor by the Examiner. No appeal as to its rejection was taken to the Board of Appeals. So, of course, it was not included in the appeal to us.

U. S. Court of Customs and Patent Appeals

IN RE EIANE

No. 5784. Decided June 5, 1951

[189 F.2d 1004; 90 USPQ 87]

1. CLAIMS — DEFINITENESS — "FINELY GROUND" AND "COARSELY GROUND" INDEFINITE.

Where a composition claim includes as ingredients certain proportions of "finely ground" and "coarsely ground" material, *Held* that the dependence of the claims on the indefinite and indeterminate difference between the coarse and fine particles renders the claims indefinite and, therefore, unpatentable.

2. PATENTABILITY—PARTICULAR SUBJECT MATTER—WINDOW PUTTY COMPOSITION.

Certain claims to a window putty composition *Held* unpatentable as being indefinite and as failing to define invention over the cited art.

APPEAL from Patent Office. Serial No. 733,421.

AFFIRMED.

Halvor Olsen Eiane, legal heir, for appellant.

E. L. Reynolds for the Commissioner of Patents.

JACKSON, *J.*:

Appellant has appealed from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner finally rejecting claims 4, 5, and 6, of a patent application, Serial No. 733,421, filed March 4, 1947, for "Window Putty." No claims were allowed.

Claim 4 is illustrative of the subject matter and reads as follows:

> 4. A plastic composition in ten equal parts of solid matters to form a durable low strength grade window putty, comprised of 9 parts of finely ground chalk powder, in combination with one ½ part of finely ground brick powder from fire-baked bricks, and one ½ part of coarsely ground brick powder from firebaked bricks, and linseed oil to form a paste-like substance.

The claims relate to a putty which is stated by appellant to be strong and wear-resistant. Its constituent parts may be noted in the quoted claim.

While the claims provide for brick powder "finely ground" and "coarsely ground" there is no statement as to the particular size of such powder except it is said in the specification that the coarser particles should not exceed 1/64 of an inch in diameter. There is nothing to suggest that any of the various

proportions of chalk and brick powder are to be considered as critical.

The Examiner rejected the claims as being indefinite on the ground that "finely ground" and "coarsely ground" are purely relative terms and cannot indicate any particular degree of subdivision of the two brick fractions.

As a further ground of rejection the Examiner relied upon the following prior art: Tall et al. (British), 1,485, April 5, 1881; Pages 431, 433, and 435 of Manufacturer's Practical Recipes, Jameson, vol. 1, Lewis Jameson & Co., London, 1902.

The Board affirmed the rejection by the Examiner on the ground of indefiniteness and rejected the Tall et al. patent as a reference. The Board further affirmed the decision of the Examiner in his rejection of the claims as being unpatentable over the Jameson reference.

The Jameson reference discloses that whiting, which is another name for powdered chalk, and linseed oil are the conventional ingredients of putty and it also states that in addition to those two ingredients brick dust also may be used.

In our opinion the claims were properly rejected as being indefinite and therefore not satisfying the requirements of section 4888 of the Revised Statutes, and also the rejection on the Jameson reference, we think was proper.

It is apparent that if there was any invention at all disclosed, its presence would necessarily lie in the particular size of the brick powder particles. No definite statement as to such size appears in the application except a maximum diameter for the coarser particles.

[1] The coarse particles have no minimum size indicated and no limit at all appears for the fine particles. Therefore, as was held below, it is impossible to learn from the original disclosure where the coarse particles stopped and the fine particles began. Certainly no one seeking to practice the alleged invention in the light of appellant's original disclosure could know the size of the particles of the brick powder without a series of experiments. We think a similar situation was presented in the case of *United Carbon Co. et al.* v. *Binney & Smith Co.*, 317 U. S. 228, 546 O. G. 593, which is cited in the brief of the Solicitor. Likewise, the same principle is set out in the case of *In re Jennings et al.*, 30 CCPA (Patents) 887, 133 F.2d 906, 56 USPQ 533, 551 O. G. 561; *In re Newton et al.*, 27 CCPA (Patents) 914, 110 F.2d 110, 44 USPQ 458, 517 O. G. 283; and *In re Schaeffer*, 20 CCPA (Patents) 1208, 65 F.2d 474, 18 USPQ 61, 435 O. G. 496. The dependence of the claims on the indefinite and indeterminate difference between the coarse and fine particles, in our opinion, renders the claims indefinite and therefore unpatentable.

In view of what has been said, it is not necessary to discuss in detail the question of invention of the claims over the Jameson publication.

[2] The decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

KANMAK TEXTILES, INC. *v.* CARNAC, INC.

No. 5807. Decided June 5, 1951

[189 F.2d 1006; 90 USPQ 105]

TRADE-MARKS—CONFUSION OF THE PUBLIC—"KANMAK" AND "CARNAC."

Held that since the marks "KANMAK" and "CARNAC" are clearly different in appearance and the only possibility of confusion between the sound of the terms would have to be based on improper pronunciation, the marks of the parties will not be likely to cause confusion, and the decision of the Commissioner of Patents is, therefore, reversed.

APPEAL from Patent Office. T. M. Opposition No. 26,872.

REVERSED.

Mock & Blum (*Charles R. Allen* and *Asher Blum* of counsel) for appellant.

Klein, Alexander & Cooper (*H. von Maltitz* of counsel) for appellee.

JACKSON, *J.*:

This is an appeal in a trade-mark opposition proceeding under the Trade-Mark Act of 1905 from a decision of the Commissioner of Patents, 84 USPQ 141, affirming that of the Examiner of Interferences sustaining the opposition of appellee to the registration of the trade-mark "KANMAK" of appellant.

In the notice of opposition it is alleged that appellee is the owner and prior user of the trade-mark "CARNAC," as applied to cotton piece goods, and that appellant's mark so nearly resembles the trade-mark of appellee as applied to goods of the same descriptive properties that there is likelihood of confusion. Appellee also relied on the name clause of the act of 1905.

There is no question but that appellee is the prior user of its trade-mark and also the owner of the registered mark "CARNAC PERMAFIT," No. 290,681, dated January 12, 1932.

For the reason that appellee is the prior user of its trade-mark and the goods of the parties possess the same descriptive properties, the only question to be determined here is whether or not the involved marks possess such similarity as to be considered confusingly similar within the meaning of the act.

The Examiner of Interferences held that the mark sought to be registered bears such a near resemblance to the notation "CARNAC" of appellee that confusion in trade would be likely, and purchasers might be deceived.

In the opinion of the Examiner, the marks were similar in sound and that alone was sufficient to determine confusing similarity between the marks. In support of that holding he cited the cases of *Skol Company, Inc.* v. *Olson*, 33 CCPA (Patents) 715, 151 F.2d 200, 67 USPQ 96, 582 O. G. 491; *McKinnon & Company* v. *HyVis Oils, Inc.*, 24 CCPA (Patents) 1105, 88 F.2d 699, 33 USPQ 210, 484 O. G. 746.

The Examiner pointed out that appellee relied to some extent upon the case of *The Procter and Gamble Company* v. *The Dill Company*, 60 USPQ 423, which involved the marks "Camay" and "Carnee." Those marks were held to be confusingly similar.

The Commissioner agreed with the Examiner that the involved marks of the parties resemble each other at least to as great a degree as those involved in the *Procter and Gamble Company* case, supra. The Commissioner then stated that the similarity in sound of the involved marks is greater than the similarity in their appearance, but agreed with the Examiner that they were similar enough in sound alone to be likely to cause confusion.

We have repeatedly announced that in trade-mark litigation such as here involved, our holdings are rarely based upon precedents. *In re Dutch Maid Ice Cream Company*, 25 CCPA (Patents) 1009, 95 F.2d 262, 37 USPQ 202, 495 O. G. 221. In our opinion the marks "KANMAK" and "CARNAC" clearly differ in appearance and have a distinct difference in sound. The only possibility, to our way of thinking, of confusion between the sound of the terms would have to be based upon improper pronunciation. *Turco Products, Inc.* v. *Tykor Products, Inc.*, 38 CCPA (Patents) —, 187 F.2d 622, 89 USPQ 139, 696 O. G. 695. We think that is so unlikely as to be negligible.

Because of what has been stated it is not necessary to discuss the name clause of the act.

We have no doubt that the marks of the parties as applied to their goods will not in any way be likely to cause confusion or deceive purchasers as to origin.

For the reasons hereinbefore set out, the decision of the Commissioner is reversed.

REVERSED.

WORLEY, *J.*, dissents.

U. S. Court of Customs and Patent Appeals

IN RE DRISCH ET AL.

No. 5799. Decided June 5, 1951

[189 F.2d 994; 90 USPQ 96]

1. PATENTABILITY — INVENTION — MERE IMPROVEMENT OVER PRIOR ART NOT SUFFICIENT.
   Not every improvement is entitled to the allowance of claims for a patent, as where the applicant has obtained a new result but merely followed the teaching of the prior art.
2. SAME — PARTICULAR SUBJECT MATTER — METHOD OF TREATING TEXTILES AND PRODUCT THEREOF.
   Certain claims to a method of reducing the hygroscopicity of textiles and the product thereof *Held* properly rejected as failing to define invention over the cited prior art.

APPEAL from Patent Office. Serial No. 723,902.

AFFIRMED.

Nathaniel L. Leek for appellants.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in his final rejection of claims 9, 10, and 11 in appellants' application for a patent on a method of treating absorbent textiles and its product.

No claims were allowed and all the claims stand or fall together. Claims 9 and 10 are directed to methods which differ from each other merely in scope. Claim 11 relates to the product resulting from the method of claim 9. Claim 9 is illustrative and reads as follows:

> 9. A method of materially reducing the hygroscopicity or swelling index of a regenerated cellulose textile and lowering its shrinkage without substantially changing its degree of polymerization, which comprises disposing said textile in a closed vessel, evacuating the atmosphere in said vessel until it is substantially free of oxygen, and then from an outside source introducing dry saturated steam under pressure of 1.5 to 15 kg. per sq. cm. into said vessel and maintaining said steam pressure in said vessel for a period of a few minutes to four hours, the time varying inversely as the pressure.

The references relied upon are: Brandenberger, 1,544,885, July 7, 1925; Andrews, 2,119,261, May 31, 1938; Brandwood, 2,127,638, August 23, 1938.

The basic issue presented for determination was thus succinctly and correctly stated in the brief for appellants:

> The essential step involved in appellants' process is the evacuation of the chamber prior to introduction of the steam thereto. Appellants admit in their specification that Brandenberger Patent No. 1,544,885, one of the references cited by the Examiner, discloses a process which includes the same steps except for the prior evacuation of the vessel. However, it is conceded by the Examiner and by the Board of Appeals that this modification of Brandenberger's practice (evacuating of the chamber) produces very desirable results, but they went on to hold the claims unpatentable primarily on the ground that this step was disclosed by Andrews in his Patent No. 2,119,261. Appellants take issue with this holding for the reasons to be pointed out.

Brandenberger's contribution to the art was the basic concept of treating synthetic textiles in a closed vessel with dry saturated steam under pressure to render them less hygroscopic. The purpose of his process like that of the present appellants was to reduce the ability of the cellulose fiber to absorb moisture, a function technically known as hygroscopicity.

Appellants vigorously assert here, as they did before the tribunals of the Patent Office, that the claimed process defined by the appealed claims constitutes a patentable improvement over the Brandenberger process, the carrying out of which resulted in the depolymerization or deterioration of the molecular structure of the treated cellulose as well as its discoloration.

Appellants' improvement eliminates the undesirable features of the Brandenberger invention by the process of conducting the steaming operation of the textile, such as a viscose rayon yarn, in the atmosphere of a closed vessel, such as an autoclave, from which all air or oxygen has been evacuated prior to the injection of the steam. Depolymerization and discoloration of the treated material is thus prevented by appellants' method, and the swelling index of the synthetics, which is used to measure the hygroscopicity, is thus reduced.

Appellants' basic discovery was the adverse or deleterious effects of oxygen on the material treated by Brandenberger and the procedure by which those detrimental defects were eliminated. The essence of appellants' invention is thus defined in their specification:

> The objects of the invention are accomplished, in general, by subjecting a regenerated cellulose textile to the action of dry saturated steam, under pressure in a closed vessel, in the absence of oxygen.

The disclosure of the patent to Andrews is directed not to the precise process defined by the appealed claims but to the process of rapidly drying synthetic material in a closable casing, vessel, or chamber. What Andrews specifically claimed was:

> The method of rapidly drying synthetic material such as artificial silk, rayon or regenerated cellulose in web or yarn form which consists in placing the synthetic material in a drying chamber, filling said chamber from an outside source with superheated water vapor which is substantially free from air and thereby expelling all air from the chamber * * *

Andrews used a drying current of heated air having a temperature of approximately 200° F. and provided special apparatus "to prevent any possible leakage of air into said chamber" during the drying operation therein. If the material being dried did not give off sufficient water vapor to keep the chamber filled with superheated water vapor. As to the inventive results, Andrews alleges in his specification:

> * * * the drying operation is not only greatly expedited due to the relatively high temperature of the drying medium, but the drying is accomplished without any resultant change in color of the material and without any diminution in either the elasticity or breaking strength of the material and also without any undesirable shrinkage therein. * * *

From the outset, appellants have argued with respect to his drying operation that the disclosure of Andrews "refers to the elimination of air in the steam, not in the chamber." The Examiner of Division 63, A. H. Winkelstein, in rebuttal of that argument correctly pointed to the specific language employed in the specification by Andrews wherein the patentee taught the elimination of air or oxygen not only from the steam but also from the chamber; and, moreover, that the:

> Applicants [appellants here] concede that vacuum treatment of textiles has been used for various purposes. However, it is seen in the light of the art relied upon that the broad treatment of textiles under vacuum includes the combination of vacuum plus steam and that vacuum has been proposed or used as a supplement to the steam treatment to improve the steam treatment. [Quoting *Sinclair Refining Co.* v. *Coe*, 1943, C. D. 109.]

A careful scrutiny of the claims asserted by appellants and the disclosure of the art of record, together with the concurring decisions of the tribunals of the Patent Office, lead us to approve the correctness of the following conclusion expressed in the brief of the Solicitor for the Patent Office:

> Even though prior evacuation of the chamber, as suggested by the appellants, may be somewhat more effective as a means of eliminating air, it is, as noted by the Board, one of the most obvious ways of eliminating the effects of undesired gases, and has long been used for this purpose in many different arts. Accordingly, the use of a vacuum fails to define invention over the Andrews procedure and its addition to the Brandenberger process would not be deserving of patent protection.

The view hereinbefore expressed is fortified by the fact that the claimed procedure is not restricted by appellants to their process hereinbefore described, but also includes the process in which the step of removing the oxygen from the steam, as disclosed by Andrews, is substituted for their vacuum treatment. Thereby, as appellants state in their specification, "Results substantially identical to those obtained in the preceding example are obtained."

[1] Not every improvement is entitled to the allowance of claims for a patent. That is definitely true where the applicant has obtained a new result but merely followed the teaching of the prior art. *In re Stover*, 32 CCPA (Patents) 823, 146 F.2d 299, 64 USPQ 186, 573 O. G. 367.

[2] We find no manifest error in the concurring decisions of the Patent Office and the decision of the Board of Appeals is accordingly affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

COTY, INC. *v.* PERFUMES HABANA, S. A.

No. 5805. Decided June 26, 1951

[— F.2d —; 90 USPQ 224]

1. TRADE-MARKS—CONFUSION OF THE PUBLIC—DETERMINING FACTORS ARE APPEARANCE, SOUND, AND MEANING.

   The issue of confusing similarity must be resolved by comparing the appearance, sound, and meaning of the respective marks and evaluating those three factors in their entirety as assembled in each contested mark.

2. SAME—SAME—RIGHTS OF PUBLIC ARE PARAMOUNT.

   The rights to be considered in an opposition proceeding are not only the private rights of the parties to the action but also the rights of the public which are paramount to those of the respective contestants.

3. SAME—SAME—"L'ORIGAN" AND "CHERIGAN."

   The decision of the Commissioner of Patents dismissing the opposition is reversed "on the ground of public interest."

APPEAL from Patent Office. Opposition No. 26,565.

REVERSED.

Robert I. Dennison (*S. Stephen Baker* of counsel) for appellant.

No appearance for appellee.

O'CONNELL, *J.*:

This is an appeal from the decision of the Commissioner of Patents, 83 USPQ 438, reversing that of the Examiner of Trade-Mark Interferences in an opposition proceeding.

The appeal was argued together with Appeal No. 5806, which is decided concurrently herewith. Neither party took testimony and no appearance was recorded here for appellee when the cases were reached for argument.

The record discloses that on May 16, 1945, applicant, Perfumes Habana, S. A., a corporation organized under the laws of Cuba and doing business there at 316 San Lazaro Street, Habana, filed an application under section 5 of the act of 1905 for the registration of a trade-mark for use on perfumes, eau de cologne, rouges, and lip colorings.

The applicant's mark, as shown in the accompanying drawings, consisted of four parts: a box frame or outline within which the word "Chance" is printed over a small pictorial feature of the head and shoulders of a man and woman facing each other, beneath which design, in printed script, is the word "Cherigan." Continuous use of the mark by the applicant and its predecessors was alleged since 1937.

The applicant's mark was passed in due course for publication in the OFFICIAL GAZETTE, and on July 23, 1947, appellant, Coty, Inc., a Delaware corporation, filed a notice of opposition which alleged prior use since 1909 by itself and its predecessors in the United States and many other countries of the three trade-marks "Lorigan," registered September 27, 1921; "L'Origan," registered May 20, 1924; and "L'Origan," with the pictorial feature of a leaf, registered August 5, 1924. There is no dispute that such registrations are the property of appellant and that they have been properly renewed and assigned.

Appellant's marks were registered under the provisions of the act of 1905 for use on goods which include the identical articles and goods of the same descriptive properties for which the applicant, Perfumes Habana, S. A., sought to have its mark registered in this country.

With respect to the products sold by appellant under its respective marks down through the years, and with respect to the newcomer's applications to register, appellant made the following allegations, among other things, in its notice of opposition:

> 2. Said products [of appellant's] having been manufactured with great care and skill and made of the finest ingredients, have attained an enviable reputation and a good will which have been and remain of great value to the opposer herein.
>
> 6. Since the adoption of the term "L'ORIGAN" opposer has given the goods bearing such identifying indicia widespread publicity and by means of advertising, such as by newspapers, magazines, trade papers, radio and other media, such products have become well and favorably known in the United States of America.
>
> 10. The mark sought to be registered by the applicant is confusingly similar to the opposer's trade-marks herein described and would cause confusion in the trade and in the mind and eyes of the consuming public.

The Examiner of Interferences, H. H. Kalupy, rendered his decision on May 2, 1949, wherein he not only sustained the opposition instituted by appellant, but also decided that the applicant was not entitled to the registration of its mark. On the issue of confusing similarity the Examiner held:

> While the mark of the applicant is a composite one containing certain pictorial features and other matter, it obviously is dominated by the words "Chance" and "Cherigan," which comprise the principal features thereof. *W. B. Roddenbery Co.* v. *Kalich*, 596 O. G. 287, 158 F.2d 289, CCPA * * * it is noted that the words "Chance" and "Cherigan" do not appear together as a unitary expression in the mark disclosed on the drawing of the applicant's application, but rather, each of these words is shown standing alone, being separated a substantial distance by the pictorial matter. Manifestly, each of these words is an arbitrary and distinctive term capable of denoting origin, and it seems only reasonable to assume therefore, notwithstanding applicant's contention to the contrary, that purchasers would quite frequently rely upon the term "Cherigan" alone in calling for the applicant's products. The suffix portion of this term "Cherigan" is identical with the suffix portion of the opposer's mark "L'Origan," and in sound this term is believed to be so nearly like the opposer's mark "L'Origan" as clearly to be confusingly similar thereto. Similarity in sound alone is sufficient to determine confusing similarity between marks. *Marion Lambert, Inc.* v. *O'Conner*, 477 O. G. 244, 86 F.2d 980, CCPA; *McKinnon & Company* v. *HyVis Oils, Inc.*, 484 O. G. 746, 88 F.2d 699, CCPA.

Perfumes Habana, S. A., appealed from the decision of the Examiner of Interferences to the Commissioner of Patents who, acting through Assistant Commissioner Daniels, reversed the Examiner's decision in so far as it sustained the notice of opposition.

Recourse to the official report of the decision by the Commissioner, 83 USPQ 438, discloses that the instant application for registration by Perfumes Habana, S. A., also had been opposed by two other corporations of this country, namely, Chanel, Inc., and Cheramy, Inc., and in each of the resulting proceedings the opposition was sustained by the concurring decisions of both the Examiner of Interferences and the Commissioner of Patents. *Cheramy, Inc.* v. *Perfumes Habana, S. A.*, 81 USPQ 550, [two cases]; *Chanel, Inc.* v. *Perfumes Habana, S. A.*, 83 USPQ 469.

The three cases just cited, together with the pertinent holdings upon which the Commissioner based his reversal in the instant case, are discussed in the following excerpts from the Commissioner's decision:

> It is applicant's contention that the inclusion of the word "Chance" in its mark eliminates any likelihood of confusion. "Cherigan" is, however, a conspicuous, independent portion of applicant's mark, *and as found in a previous opposition involving this mark, Cheramy, Inc. v. Perfumes Habana, S. A., 624 O. G. 975, 81 USPQ 550, the inclusion of the word "Chance" is not sufficient to eliminate likelihood of confusion.*
>
> * * * * * * *
>
> Considered in their entireties, there appears to be little similarity in appearance and the final portion of the mark does not appear to be so emphasized in any reasonable pronunciation of the marks as to indicate likelihood of confusion. *Yesaties Products, Inc.* v. *General Mills, Inc.*, 22 CCPA 1215, 77F.2d 523. * * * *Whether or not applicant is entitled to the registration for which it has made application must however depend upon the final outcome of certain other proceedings brought against this application. Cheramy, Inc. v. Perfumes Habana, S. A., supra; Chanel, Inc. v. Perfumes Habana, S. A., opposition No. 26,569, decided by the Examiner of Interferences June 14, 1949.* [Italics supplied.]

The applicant, Perfumes Habana, S. A., has not appealed from the first portion of the concurring decisions of the Patent Office hereinbefore set forth, which held that the inclusion of the word "Chance" in the applicant's mark was not sufficient to eliminate the likelihood of confusion. In that respect the applicant is bound by the decision of the Patent Office,[1] and the point need not be further considered here.

[1] The issue of confusing similarity must be resolved by comparing the appearance, sound, and meaning of the respective marks and evaluating those three factors in their entirety as assembled in each contested mark.

Supplementing what has been said about the contested marks in this case by the tribunals of the Patent Office, it is noted that "Cherigan," "Lorigan," and "L'Origan" are terms of three syllables each and that the first syllable is but a small part of the entire mark. Two-thirds of each mark, the suffixes thereof, are identical.

It is worthy of consideration that the portion of "Cherigan" which differs from "L'Origan" is the first syllable "Che," taken from the famous trade-mark "Cheramy," owned and in use on goods of the same descriptive properties by Cheramy, Inc., supra. The "Chan" in "Chance" was likewise appropriated by the applicant from the mark "Chanel" of Chanel, Inc., supra.

The two words here in issue are identical in appearance and sound in so far as the applicant has appropriated the last five letters of the eight letters of which appellant's entire marks are comprised. In other words, there can be no doubt, since the majority of the letters and syllables of both of these marks are identical, and identically assembled, that when the marks are pronounced as written they sound a great deal alike. That factor alone has

[1] *In re Retail Clerks International Protective Association*, 32 CCPA (Patents) 1004, 149 F.2d 153, 65 USPQ 374, 577 O. G. 311.

often been the cause of rejection in this court of the newcomer's application for registration.

The action by which the Acting Commissioner of Patents put an end to appellant's contentions and overruled the Examiner of Interferences in these proceedings was embraced in this one effective paragraph from the Commissioner's decision:

With respect to similarity between "Cherigan" and "L'Origan," I am unable to agree with the Examiner of Interferences. It is true that the last letters of each word are the same. They clearly, however, have no similarity in meaning (see discussion of meaning of opposer's mark in the *Le Blume Import Co., Inc.* v. *Coty et al.*, 293 Fed. 344).

The meaning of appellant's mark thus imported into these proceedings from the case cited by the Commissioner embodies the newcomer's unsuccessful defense there whereby Le Blume sought to justify the unlawful appropriation and concurrent use of the word "Origan" on the ground that "Lorigan" or "L'Origan" consisted merely of a descriptive term which in French was the name of a rare plant or flower used in making perfume.[3] On the other hand, the Commissioner accepted and applied that portion of the Examiner's decision which held, as hereinbefore set forth, that the applicant's mark "Cherigan" was merely an "arbitrary and distinctive term capable of denoting origin."

Thus by decapitating two marks of world-wide distinction, "Cheramy" and "L'Origan," and by transplanting the head of one upon the body of the other, the applicant, Perfumes Habana, S. A., stands before the court with the new and arbitrary word "Cherigan" which has no meaning whatever. By intermeshing those two marks applicant derived a device designed to trap the unwary.

This court was once confronted with an analogous case involving perfume and every legal point advanced before the tribunals of the Patent Office in the instant case. See *E. Daltroff & Cie* v. *V. Vivaudou, Inc.*, 19 CCPA (Patents) 715, 53 F.2d 536, 11 USPQ 54, 414 O. G. 7. The applicant's contentions there, which are directly in point here, were recited and overruled by the late Judge Hatfield writing for a unanimous court and stating:

It is true, as argued by counsel for appellant, that the involved marks are not identical in appearance, sound, or meaning. They differ slightly in each of those characteristics. However, the question before us is whether the marks are confusingly similar, not whether they are identical. Counsel for appellant has laid considerable stress upon the difference in meaning of the two marks. It is urged that "Chez Lui" has a strictly masculine meaning—"his home"—whereas, "Chez Moi," not so restricted, means "my home." From this it is argued that the masculinity of the mark "Chez Lui" is sufficient to cause women, who, it is claimed, are practically the exclusive purchasers of perfumery, to distinguish between the two marks, and, therefore, confusion would not result.

It must be remembered that the validity of an opposer's mark, as decided in the case last cited, will not be considered in a trade-mark opposition proceeding and that the mark of the newcomer must be such as to clearly avoid not only confusion in trade under the law of trade-marks, but also under the law of unfair competition.[3] [2] Moreover, the rights to be considered in an opposition proceeding are not only the private rights of the parties to the action but also the rights of the public which are paramount to those of the respective contestants. The same rule applies in other Federal courts with respect to infringement, as evidenced by the decision in the Le Blume case, supra.

Throughout these proceedings and for more than a generation it has been recognized on all sides that appellant's trade-mark and products here in issue have together achieved world-wide eminence for quality and distinction. That was so determined by the Federal courts of this country, as well as the validity of appellant's mark, in the case of *Le Blume Import Co., Inc.* v. *Coty, Inc., et al.*, 293 Fed. 344, 348.

The prestige of a famous trade-mark may not be relied upon by a newcomer, however, as a license under which the courts may authorize the registration of an identical mark of foreign origin or a confusingly similar counterfeit for use on goods of the same descriptive properties.[4]

The Commissioner of Patents, in placing the imprimatur of the Patent Office of the United States Government upon applicant's marks by granting registration thereof, pursued a method of reasoning whereby the trivial was exploited and the important ignored.

As Mr. Justice Holmes put it, writing for a unanimous Court in *Coca-Cola Co.* v. *Koke Co.*, 254 U. S. 143: "Of course a man is not to be protected in the use of a device the very purpose and effect of which is to swindle the public." Justice Holmes further pointed out there that the defects of an owner's trade-mark "do not offer a very broad ground for allowing another to swindle him."

Outstanding at this time are two unmodified decisions of the Commissioner of Patents which hold that the applicant's mark here in issue is confusingly similar to the marks of two other distinguished concerns dealing in perfumes and cosmetics. One of those prior decisions, at least, was known to the Commissioner and recorded in the Patent Office when the decision in the instant case was handed down.

The Commissioner has not explained the results that will follow in the market place from his refusal on the one hand to register the applicant's mark because it is confusingly similar to those recorded in the two other cases while at the same time authorizing the applicant on the other hand, so far as appellant is concerned, to continue the use of applicant's mark by reason of its registration.

[3] The decision of the Commissioner of Patents in the instant case should be reversed on the ground of public interest; the same ground upon which he was reversed by this court in the recent case of *Tidy-House Paper Products, Inc.* v. *Tidy House Products Co., Etc.*, 38 CCPA (Patents) —, — F.2d —, — USPQ —, decided, May 8, 1951.

REVERSED.

WORLEY, *J.*, dissents.

[3] See *United Shoe Mach. Corp.* v. *Compo Shoe Mach. Corp.*, 19 CCPA (Patents) 1000, 1012, 56 F.2d 292, 294, 12 USPQ 246, 248, 421 O. G. 4.

[3] *DuBonnet Wine Corp.* v. *Ben-Burk, Inc.*, 28 CCPA (Patents) 1298, 121 F.2d 506, 50 USPQ 76, 533 O. G. 733; *Stanley, Inc.* v. *M. H. Jacobs Co.*, 183 F.2d 914, 917; *Yale Electric Corporation* v. *Robertson*, 26 F.2d 972.

[4] *Baglin* v. *Cusenier Co.*, 221 U. S. 580; *Otard, Inc., et al.* v. *Italian Swiss Colony*, 31 CCPA (Patents) 955, 141 F.2d 706, 61 USPQ 131, 565 O. G. 5; *DuBonnet Wine Corp.* v. *Ben-Burk, Inc.*, supra; *Shoe Company, Inc.* v. *Olson*, 33 CCPA (Patents) 715, 151 F.2d 200, 67 USPQ 96, 582 O. G. 491.

U. S. Court of Customs and Patent Appeals

IN RE TATE

No. 5787. Decided June 5, 1951

[190 F.2d 88; 90 USPQ 88]

1. PATENTABILITY—PARTICULAR SUBJECT MATTER—PICTURE HANGER PACKAGE.

Certain claims to a picture hanger package *Held* not to involve invention over the cited prior art.

APPEAL from Patent Office. Serial No. 583,235.

AFFIRMED.

Wright, Brown, Quimby & May (*Oliver C. Morse* of counsel) for appellant.

E. L. Reynolds for the Commissioner of Patents.

WORLEY, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner, rejecting as unpatentable over the prior art claims 2 and 4 of appellant's patent application, Serial No. 583,235, filed March 17, 1945, for an alleged invention relating to a "Picture Hanger Package." No claims were allowed. The involved claims read as follows:

2. A display package comprising a card with a flap struck up therefrom, a picture hanger bearing sidewise against said card, said hanger consisting of a metal strip bent to form a hook at the lower end and a loop at the upper end surrounding said flap and a nail extending across said loop and through a preformed hole in said flap enlarged by the entry of said nail, said flap being formed and arranged to be entirely surrounded by said loop with sufficient clearance to permit said flap to be rocked by a retractive movement of said nail whereby the nail is additionally gripped by the flap.

4. A display package comprising a card having a flap struck up therefrom with a preformed hole therein, a picture hanger bearing sidewise against said card, said hanger consisting of a metal strip bent to a form consisting of a straight back portion with a forwardly extending hook at its lower end, the upper end portion of said strip extending horizontally forward from said back portion, then sloping downwardly and rearwardly substantially to said back portion to form a triangular loop surrounding and enclosing said flap, and a nail extending downwardly and rearwardly through said upper end portion and back portion of said strip and through said preformed hole, said nail having a shank diameter slightly greater than the original diameter of said hole.

The reference relied upon is: Strand, 1,581,886, April 20, 1926.

In his decision, the Examiner succinctly describes appellant's device as follows:

The invention covered by claims 2 and 4 consists of a picture hanger and associated nail releasably secured on a card mount by a flap portion struck up from said card. The nail goes through the respectively registering holes in the loop portion of the hanger in the same manner as in actual use, with the addition that, intermediate of said holes, is a hole in the flap portion of the card, through which also the nail goes.

The patent to Strand discloses a picture hanger display card almost identical to that of appellant's. The only differences are that the tab, or flap, is not provided with preformed holes, and that the tab, or flap, is large enough to extend beyond the triangular loop of the hanger.

Counsel for appellant contend that certain patentable advantages obtain from appellant's device over the Strand article since as a result of the preformed hole, the display cards can be more speedily assembled; that the number of sore fingers of the operators is reduced; that less cards are spoiled; that ordinary cut-point nails instead of ground-point nails may be utilized which, it is stated, combine to effect savings in both time and expense; and that the longer tab which is surrounded by the triangular loop "can tilt from its perpendicular position * * * when a retractive force is exerted on the nail."

The Board of Appeals, in sustaining the decision of the Examiner, held that none of the advantages which stem from the use of a preformed hole were of such a nature as to be unexpected; that it was obvious that when the hole was preformed it would not be necessary to provide the nail with as sharp a point as would be required if the nail were punched through the flap and that less force would be required to insert the nail; that a preformed hole would be conducive to a more rapid assembly of the hangers on the card; and that it was also obvious that a hole of lesser diameter would give a greater frictional contact between the flap and nail than if a larger hole were provided.

The Board of Appeals also stated:

As to the other point, namely, the tendency of the flap to spring back toward the plane of the card due to its inherent resiliency, it is doubtless true that the flaps of the Strand patent have the same tendency since they are produced by a punching operation in the same manner as appellant's flap, and it seems to us that it would be obvious that this tendency would not be restrained if a picture hanger having a loop of larger size than that shown in the reference were mounted on the card.

Appellant contends that invention was required and is present in his product. In support of his position, he cites the cases of *Loom Co.* v. *Higgins*, 105 U. S. 580, 21 O. G. 2031; *The Barbed Wire Patent*, 143 U. S. 275, 58 O. G. 1555; *Potts* v. *Creager*, 155 U. S. 597, 608, 70 O. G. 494; *Gordon* v. *Westtown Electric & Appliance Co.*, 103 F.2d 139, 41 USPQ 358, 361; and *Hanovia Chemical & Mfg. Co.* v. *David Buttrick Co.*, 127 F.2d 888, 54 USPQ 118. We have made a careful study of those cases but find nothing in them to support appellant's contention that invention is involved in devising a preformed hole and in making a slight change in the tab, or flap, disclosed by Strand. Assuming that an improvement has been made over the prior art, it is our opinion that such improvement is not sufficient to justify the granting of a patent.

For the reasons stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE FRANZ ET AL.

No. 5802. Decided June 26, 1951

[— F.2d —; 90 USPQ 220]

PATENTABILITY — PARTICULAR SUBJECT MATTER — LUMINESCENT CLAY TARGET AND METHOD OF USING.

Certain claims to a luminescent clay target and method of use *Held* to involve an inventive concept and the decision of the Board of Appeals is, therefore, reversed.

APPEAL from the Patent Office. Serial No. 614,180.

REVERSED.

John H. Sutherland (*Lloyd P. Shank* of counsel) for appellants.

H. L. Reynolds for the Commissioner of Patents.

WORLEY, *J.*:

In this appeal, the record discloses that the Primary Examiner of the United States Patent Office rejected as unpatentable over the prior art claims Nos. 1 to 8, inclusive, those being all of the claims in appellants' application for a patent relating to luminescent targets. On appeal, the Board of Appeals affirmed the decision of the Examiner as to claims 1 to 4, inclusive, and claims 7 and 8, but allowed claims 5 and 6. From that decision, appellants here appeal.

The reference relied upon is: Law, 1,543,931, June 30, 1925.

Claims 1 and 7 are deemed to be illustrative and read as follows:

1. A clay target having an area thereof coated with luminescent pigment having a phosphorescence factor of at least 0.25.

7. That improvement in the art of nocturnal trap shooting which comprises, providing a clay target having a definitive area coated with luminescent pigment having a phosphorescence factor of at least 0.25, exposing the complete coated area of the target directly to an activating source, and immediately projecting the target freely through dark space; said exposure to the activating source being for a time sufficient that the definitive area of the target retains a brilliance of at least 100 microlamberts for at least one second after leaving the field of the activating source.

Appellants' invention relates to the application of a luminescent pigment, having a minimum phosphorescent factor of 0.25, to a definitive area of an ordinary clay target for the purpose of making said target visible for trapshooting at night. Immediately prior to its projection from the apparatus propelling such target, the pigment is activated by subjecting it, for not more than four seconds, to a direct source of light, such as a 150 watt incandescent or an ultra violet lamp. The degree of luminosity is governed by both the period of exposure to the light, and the degree and quantity of the composition of said coating, the desired result being a target sufficiently luminous to enable the trapshooter to readily discern the target and follow its flight in the darkness.

From the patent to Law, we quote as follows:

The * * * invention relates to a method and apparatus for producing a novel, startling and puzzling illusion in connection with shadow dance performances on the stage. It is particularly useful and effective as a closing feature after a dance act of greater or less duration * * *.

It appears that Law coats a special stage drop with zinc sulphite or other luminous paint which becomes "phosphorescent" for a short period of time after being subjected to light. A dancer is placed in front of said drop whereupon "a brilliant white light is thrown upon her and upon adjacent portions of the drop * * *." Immediately thereafter, the lights in the theatre are extinguished and when the special drop is raised that area of the drop which has been illuminated by the spot light appears luminous, while the portion shielded from the light by the dancer's body reveals a non-luminous silhouette of her figure. The illusion appears to be that the dancer herself is "floating upward out of sight."

The Board of Appeals held that claim 1 was illustrative of claims 1, 2, 3, 4, and 8 and that it differed from the disclosure in the Law patent in only two respects; namely, that Law discloses a back drop instead of a clay target, and that he did not specify that the pigment applied to the back drop should have a minimum phosphorescent factor of 0.25, and concluded that such differences would not impart invention to the claims.

The Board was of the opinion that no invention was involved in the idea of coating a clay target or any other article with luminous paint so that it could be seen in the dark when Law showed a different article similarly coated for the same purpose.

Appellants readily admit that they were not the first to suggest trapshooting at night; that, as a matter of fact, it was suggested in 1888 by a patent to Jacobs, No. 393,435. Jacobs' target was equipped with several fuses which were to be lighted before the target was discharged from the trap. Neither do appellants contend they are the first to apply a coat of luminescent pigment to an article. They do strongly contend, however, that the principal question here involved is

Whether the prior art made it obvious that the combination of a clay pigeon with a luminescent coating would result in conditions of quick perception and sharp visibility necessary for trap-shooting at night; and specifically whether appellants' target is inventively different from the Theatrical Illusion disclosed in the Law patent * * *.

In support of their contention, appellants argue that for at least sixty years numerous efforts were made to provide means for trapshooting at night but that none of them were completely successful. The principal attempt was in floodlighting the field from various angles and by incandescent lights of various power. It seems, however, that under such lighting conditions the target traveled about one-tenth of its total trajectory before the eyes were able to see it, and that floodlighting was also found objectionable because of the relatively high cost of installation which was about two thousand dollars. On the other hand, the affidavits made by several seemingly responsible individuals who have been devotees of this particular sport for many years reflect both surprise and a high degree of satisfaction with appellants' luminescent target. They state, in effect, that appellants' target is visible to the eye immediately upon its release from the trap and that it can be easily followed through its entire trajectory; and that even though but a fragment of the target is hit, the "pyrotechnic" result is immediately obvious to the scorer, whereas in ordinary daylight or under floodlighted conditions, such a fragment might not be detected. They also point out that the installation cost of appellants' system is approximately fifty dollars.

It seems to us that the following excerpts from the affidavit of one Joe M. Davison, who appears to have been a consistent devotee of trapshooting for twenty years and who has won honors in that sport, are quite relevant:

The spectacular effect when luminescent targets are broken also facilitates accurate scoring. The luminescent target travels through space like a ball of fire against a black curtain and, although the contestant may knock no more than a single small chip from the target, such is readily identifiable as a hit, whereas under ordinary conditions, even in daytime, a hit where a single small chip or fragment is knocked from the clay target is some times not seen by the official scorer and is therefore scored as a loss.

He further observes that

Affiant has long been familiar with the practice of painting various articles with luminescent paint whereby the same could be seen at night and, although affiant has also for many years been anxious to develop more satisfactory night trap shooting conditions, it was not obvious to him that such conditions could be provided by luminescent targets. When affiant was first introduced to the luminescent target, he wondered why he had not previously thought of it.

The affidavits further reflect that appellants' device enables many to enjoy the sport whose hours of work preclude their participation except at night.

After its consideration of the facts, the Board of Appeals held that

* * * any person would not only have suspected but would have known that a luminescent target would provide even better night shooting conditions than floodlighting and possibly also daylight conditions since it is well known that phosphorescent articles afford a contrast to dark surroundings which are very arresting to the eye.

The question here is a close one. However, based on our examination of the evidence, there is reasonable doubt in our minds that the Board was correct in reaching such a conclusion and we feel such doubt should be resolved in favor of appellants.

It is to be noted that the Law patent involves only a painted stage back drop. It discloses no minimum of luminosity. Slowly raising the drop for the purpose of creating an illusion under artificial conditions indoors, in our opinion, is quite remote from that field of sport where a luminescent pigment of a specific minimum is applied to a clay target so that a trapshooter, in darkness, can immediately perceive, aim, and discharge his gun at a fast moving luminous object within a few seconds of time.

It seems to us that in view of the evidence of record showing the state of the art and the differences between the patent to Law and that present in the field covered by appellants, that invention was required and was present in appellants' concept.

In our opinion, the Law patent, with respect to the art of trapshooting, would not cause one skilled in that art to either suspect or know that luminescent paint on a clay pigeon traveling in the dark at almost bullet speed could be effective.

Of course, after the concept of rendering visibility to the target for its quick flight in the dark, the use of a luminescent paint for such purpose was obvious. We have held that the inventive concept, that is, the idea or notion of rendering an operative condition such as is present in the visibility of the target, may properly constitute invention. *In re Earle et al.*, 26 CCPA (Patents) 974, 102 F.2d 232, 41 USPQ 24, 505 O. G. 1025.

In his brief, the Solicitor for the Patent Office argues that claims 1 to 4 are too broad and that even if it be held that "the particular procedure used by the appellants for producing luminescence involves invention," such claims could not be properly allowed.

It is to be noted, however, that the rejection was not based upon the breadth of appellants' claims but, as we read the record, was based only upon the applicability of the patent to Law as a reference. We are, therefore, in this appeal, restricted to that rejection. Since we believe invention was required and is present in appellants' concept, we feel the decision of the Board of Appeals should be and it is hereby reversed.

REVERSED.

O'CONNELL, *J.* (specially concurring):

The Supreme Court recently set an appropriate new standard for determining whether invention resides in the specification and claims of an applicant for a combination patent. *A. & P. Tea Co.* v. *Supermarket Corp.*, 340 U. S. 147, 642 O. G. 5. There the Court held that claims for a combination cannot be sustained if their effect in an assembly of old elements is to add nothing new to the stock of useful knowledge but, on the contrary, subtracts from and monopolizes former resources freely available to every person skilled in the art.

In other words, if claims for a combination patent would, in the public interest, do more harm than good, they cannot be allowed. That is not the situation, however, with respect to the auxiliary claims here in issue.

Despite the allowance by the Board of Appeals of claims 5 and 6, the Solicitor for the Patent Office makes the point in his brief that "there is no evidence of commercial use of the alleged invention." Appellants readily admitted at the oral argument and indicated in their brief that the invention defined by claims 5 and 6, without the protection of the auxiliary claims on appeal, is readily susceptible to infringement, and for that reason the claimed combination, in its incomplete and pending patentable status, has not been placed upon the market.

Appellants' action in that regard has been completely within their rights. For example, one practicing appellants' invention "could avoid infringement by omitting to have the pigeons activated individually, although the trap house boy might, by some other routine, impart the same activation."

The doctrine has been thoroughly established by an unmodified line of decisions of this court that an inventor, for the reasonable and advantageous protection of the invention defined by the allowed claims, is entitled to a limited number of additional claims, worded differently or containing elements omitted in other claims, which do not affect the patentability of one claim over another. *In re Henry K. McConnell*, 17 CCPA (Patents) 1139, 40 F.2d 567, 5 USPQ 343, 399 O. G. 419; *In re Clark*, 25 CCPA (Patents) 1317, 97 F.2d 628, 38 USPQ 139, 497 O. G. 549; *In re Wood et al.*, 33 CCPA (Patents) 984, 155 F.2d 547, 69 USPQ 337, 589 O. G. 169; *In re Brogden et al.*, 33 CCPA (Patents) 1181, 156 F.2d 82, 70 USPQ 187, 590 O. G. 524.

The rule of those precedents was reexamined and reaffirmed and other authorities were collected and discussed to the same effect in the recent case of

In re Mayo, 36 CCPA (Patents) 1188, 175 F.2d 570, 82 USPQ 225, 626 O. G. 900.

The late Judge Hatfield once remarked that "It is usually the application of old principles to new methods or articles of manufacture that involves patentable subject matter." *In re Watter*, 32 CCPA (Patents) 895, 147 F.2d 685, 64 USPQ 571, 575 O. G. 563. Judge Learned Hand likewise observed that "It is the obvious when discovered and put to use that most often proves invention." *H. C. White Co. v. Morton E. Converse & Son Co.*, 2 Cir., 20 F.2d 311, 313; *In re Bowden et al.*, 37 CCPA (Patents) 1201, 183 F.2d 115, 86 USPQ 419, 641 O. G. 716.

The Solicitor for the Patent Office seems to advance his argument in the instant case on the basis that appellants by their specification and claims have nowise qualified as inventors of patentable subject matter. The Board of Appeals on that point crossed the Rubicon to the contrary. Hence the Solicitor is committed by the record on this appeal to a course of conduct which must definitely conform to the action of the Board.

Considered in the light of the patentability of one claim over another, the issue here involved is admittedly a close one. The problem is simplified, however, by the application of the rule hereinbefore cited. The underlying reason for the rule is not only to curb the activities of those engaged in copying patented inventions but also to remove, under the assurance of adequate patent protection, the misgivings which otherwise develop among investors who risk their capital and effort to make inventions available to the public.

The Supreme Court has broad supervisory power over the judgments of the lower Federal courts. *United States v. Munsingwear*, 340 U. S. 36, 40. However, as a necessary consequence of its decision in *Baldwin Co. v. Howard Co.*, 256 U. S. 35, 286 O. G. 865, the Supreme Court has strictly adhered to a hands-off policy with respect to the judgments of this court relative to patentability. Although there is none to call our power to account, the court should not ignore or reject the vital importance of the cited rule.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,724,697, A. C. Dobrick, Flaring tool, D. C., E. D. Pa. (Philadelphia), Doc. 409, *The Imperial Brass Mfg. Co. v. Bonney Forge & Tool Works, Inc.* Dismissed for want of prosecution Aug. 27, 1951.

1,966,273, O. I. Waring, Seal for containers and method of producing same, D. C., S. D. N. Y., Doc. 48/624, *Ferdinand Gutmann & Co. v. Standard Brands, Inc.* Stipulation and order of dismissal (notice Aug. 23, 1951).

2,002,845, R. V. Aronson, Cigar lighter, filed Aug. 24, 1951, D. C., S. D. N. Y., Doc. 69/134, *Ronson Patents Corp. v. Astra Trading Corp.*

2,103,075, E. A. Greenspon, Therapeutic preparation and method of making it, D. C., S. D. N. Y., Doc. 38/278, *E. A. Greenspon v. Parke, Davis & Co.* Stipulation and order of dismissal (notice Aug. 29, 1951).

2,118,796, K. T. Orrison, Ice product and process of making same, C. C. A., 4th Cir., Doc. 6276, *K. T. Orrison et al. v. C. Hoffberger & Co.* Decree of District Court affirmed July 26, 1951.

2,146,237, C. L. Stephens, Picture projecting device, D. C., S. D. N. Y., Doc. 46/598, *Stephens Products Co., Inc. v. Playmore, Inc.* Stipulation and order of discontinuance (notice Aug. 29, 1951).

2,226,316, J. F. Nelson, Comb and detachable brush combination, D. C., S. D. N. Y., Doc. 52/371, *R. E. Curran v. Locke Laboratories.* Order dismissing cause for lack of prosecution June 6, 1951.

2,241,385, M. C. Meyer, Curved surface light reflecting ornament, D. C., S. D. N. Y., Doc. 57/59, *Richelieu Corp. et al. v. Renee Jewelers et al.* Order dismissing cause for lack of prosecution June 4, 1951.

2,258,413, M. Koven, Gem setting, D. C., S. D. N. Y., Doc. 47/165, *Coro, Inc. et al. v. Reneé Novelty Co.* Stipulation and order of discontinuance Jan. 30, 1951.

2,282,473, J. A. Hoffmann, Copy character holder, filed Aug. 30, 1951, D. C., S. D. N. Y., Doc. 69/205, *H. P. Preis Engraving Machine Co. v. Hermes Engravers, Inc. et al.*

2,300,157, G. R. Hunt, Feather-picking apparatus for fowls, D. C., N. D. Iowa (Sioux City), Doc. 588, *Greenbrier Co. et al. v. Priebe & Sons, Inc.* Judgment; defendant enjoined and restrained from infringing certain claims Aug 25, 1951.

2,306,879, B. F. Hamilton et al., Stool or chair, filed Aug. 24, 1951, D. C., N. D. Ohio (Toledo), Doc. 6627, *Hamilton Mfg. Corp. v. Toledo Guild Products, Inc.*

2,384,806, E. Berdach, Undergarment, D. C., S. D. N. Y., Doc. 65/239, *E. Berdach et al. v. Enchantress Foundations, Inc.* Consent judgment holding infringement: injunction granted Aug. 29, 1951.

2,397,393, S. Wetterhahn, Wallet, D. C., S. D. N. Y., Doc. 61/279, *S. Wetterhahn v. E. E. Koch et al.* Order granting motion to dismiss and denying plaintiff's cross-motion for change of venue Jan. 11, 1951.

2,408,820, B. I. Stemm, Water heater and boiler, D. C., S. D. N. Y., Doc. 47/717, *Westcott-Alexander, Inc. v. Kreeno-Stamm Mfg. Co., Inc.* Consent decree of discontinuance and dismissal Jan. 3, 1951.

2,411,462, H. M. Plehn, Brassière and method of making same, D. C., S. D. N. Y., Doc. 48/275, *Peter Pan Foundations, Inc. v. Stephen Jay Co., Inc.* Consent judgment; defendant enjoined Sept. 19, 1950. Doc. 49/293, *Peter Pan Foundations, Inc. v. Bestform Foundations, Inc.* Decree as above Dec. 28, 1950.

2,413,056, J. I. Levyn, Decorative bar pin, D. C., S. D. N. Y., Doc. 49/453, *Jilko Service Products v. Atlantic Metal Specialties Co.* Order dismissing cause for lack of prosecution Dec. 19, 1950.

2,429,557, M. Maccaferri, Plastic clothes pin, D. C., S. D. N. Y., Doc. 46/35, *Mastro Plastics Corp. et al. v. S. N. Horowitz & Son, Inc.* Stipulation and order of discontinuance Jan. 12, 1951.

2,467,792, F. Wenzel et al., Self cooling water bag, D. C. Oreg. (Portland), Doc. 5158, *H. Wenzel Tent & Duck Co. v. White Stag Mfg. Co. et al.* Judgment favor plaintiff July 27, 1951.

2,501,962, H. L. Pierce, Process for expanding earth materials, filed Aug. 20, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30822, *H. L. Pierce v. Perlite Aggregates, Inc. et al.*

2,505,787, Munkacsi & Liszt, Photograph-phonograph record combination, suit for declaratory judgment filed Aug. 10, 1951, D. C., S. D. N. Y., Doc. 69/5, *Sight "n" Sound Enterprises v. Photoral Corp. et al.*

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2,559,375, S. Schaffan, Jr., Miniature track unit, filed Aug. 21, 1951, D. C. N. J. (Newark), Doc. 752/51, *S. Schaffan, Jr. v. R. Peare et al.*

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Des. 136,840, J. Severino, Earring, D. C., S. D. N. Y., Doc. 37/337, *Case Mfg. Corp. et al. v. Alpha-Craft Co.* Order dismissing cause for lack of prosecution Dec. 20, 1950.

Des. 145,344, C. R. White, Toy figure, D. C., S. D. N. Y., Doc. 53/363, *Knickerbocker Plastic Co., Inc. v. Playmore, Inc. et al.* Stipulation and order of discontinuance Dec. 11, 1950.

Des. 147,124, Harris & Bels, Pair of spectacles, D. C., S. D. N. Y., Doc. 45/38, *S. Harris v. B. Robinson et al.* Order dismissing cause for lack of prosecution June 4, 1951.

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Des. 151,732, W. G. Bley, Lady's stocking, filed Aug. 10, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12591, *Sanson Hosiery Mills, Inc. et al. v. M. Fleishman & Co., Inc.* Doc. 12592, *Sanson Hosiery Mills Inc. et al. v. S. & W. Hosiery Co.* Doc. 11711, *Sanson Hosiery Mills, Inc. et al. v. Select Fashions, Inc.* Consent judgment favor plaintiff Aug. 22, 1951.

Des. 152,830, H. A. Russian, Pajama suit, D. C., S. D. N. Y., Doc. 49/757, *Style Wear Mfg. Co., Inc. v. Lady Mac Mfg. Co.* Stipulation and order of dismissal Jan. 15, 1951.

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 78,333, R. H. Macy & Co., Inc., Certain clothing, D. C., N. D. Calif. (San Francisco), Doc. 30302, *R. H. Macy & Co., Inc. v. G. E. Blum.* Consent decree for injunction Aug. 20, 1951.

T. M. 113,431, Rosenau Bro., Children's dresses, filed Aug. 13, 1951, D. C. Md. (Baltimore), Doc. 5458, *Rosenau Bros., Inc. v. Cinderella Blouse Co., Inc.*

T. M. 521,685, C. D. Briddell, Inc., Meat knives, filed Aug. 14, 1951, D. C., S. D. N. Y., Doc. 69/33, *Chas. D. Briddell, Inc. v. Allglobe Trading et al.*

T. M. 523,537, Standard Sewing Equipment Corp., Domestic sewing machines and parts, D. C., S. D. N. Y., Doc. 60/335, *Eval Machine Co., Inc. et al. v. Standard Sewing Equipment Corp.* Stipulation and order of discontinuance Jan. 12, 1951.

T. M. 529,133, Asprey & Co., Ltd., Leather wallets, jewelcases, etc., D. C., S. D. N. Y., Doc. 68/345, *Asprey & Co., Ltd. v. Lord & Taylor et al.* Consent judgment for injunction (notice Aug. 27, 1951).

NOTICES

Extension of Patents Granted

Patent No. 1,823,831. AERATION OF LIQUIDS. Granted Sept. 15, 1931. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 83 days, from the expiration of the original term thereof.

Patent No. 1,928,728. OPEN DRAINAGE LEACHING PROCESS. Granted Oct. 3, 1933. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 82 days, from the expiration of the original term thereof.

Patent No. 1,952,675. APPARATUS FOR THE ABSORPTION OF GASES BY LIQUIDS. Granted Mar. 27, 1934. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 82 days, from the expiration of the original term thereof.

Patent No. 2,009,667. PERCOLATION LEACHING METHOD. Granted July 30, 1935. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 83 days, from the expiration of the original term thereof.

Patent No. 1,971,416. RECOVERY OF OXIDIZED COPPER. Granted Aug. 28, 1934. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 82 days, from the expiration of the original term thereof.

Patent No. 1,991,597. POWER STEERING GEAR. Granted Feb. 19, 1935. Walter S. Davidson. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 287 days, from the expiration of the original term thereof.

Patent No. 2,019,819. AIRFOIL. Granted Nov. 5, 1935. Clifford C. Jones. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 91 days, from the expiration of the original term thereof.

Patent No. 2,045,248. CULINARY VESSELS AND THE LIKE. Granted June 23, 1936. Herman H. Pearl. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 86 days, from the expiration of the original term thereof.

Patent No. 2,078,854. BOUNDARY LAYER AIR CONTROL. Granted Apr. 27, 1937. Clifford C. Jones. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 90 days, from the expiration of the original term thereof.

Patent No. 2,114,891. WRINGING SCREEN. Granted Apr. 19, 1938. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,150,196. METHOD AND MEANS FOR ATTACHING SPONGY MATERIAL TO BACKINGS OR HOLDERS. Granted Mar. 14, 1939. Sidney P. Vaughn. The above cited patent

has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days, from the expiration of the original term thereof.

Patent No. 2,153,601. WRINGER MOP. Granted Apr. 11, 1939. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days, from the expiration of the original term thereof.

Patent No. 2,165,319. MOPS. Granted July 11, 1939. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days, from the expiration of the original term thereof.

Patent No. 2,186,050. CLEANING DEVICE. Granted Jan. 9, 1940. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 174 days, from the expiration of the original term thereof.

Patent No. 2,210,967. CLEANING DEVICE. Granted Aug. 13, 1940. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,229,147. CLEANING DEVICES. Granted Jan. 21, 1941. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,255,091. DEVICE FOR WASHING AND WRINGING SPONGE MOPS. Granted Sept. 9, 1941. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,288,970. COMESTIBLES. Granted July 7, 1942. Eugene R. Weisbender. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 189 days, from the expiration of the original term thereof.

Patent No. 2,070,133. FLOTATION OF CEMENT COPPER. Granted Feb. 9, 1937. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1951, 64 Stat. 316, for 6 years and 82 days, from the expiration of the original term thereof.

Patent No. 2,036,578. METHOD OF, AND APPARATUS FOR, TREATING ORES AND SIMILAR MATERIALS. Granted Apr. 7, 1936. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 83 days, from the expiration of the original term thereof.

Patent No. 2,070,134. PREPARATION AND USE OF IRON AS A PRECIPITANT. Granted Feb. 9, 1937. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 83 days, from the expiration of the original term thereof.

Patent No. 2,304,178. SULPHATING PROCESS AND APPARATUS THEREFOR. Granted Dec. 8, 1942. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 4 years and 81 days, from the expiration of the original term thereof.

Patent No. 2,332,647. PRODUCTION OF IRON SULPHATE. Granted Oct. 26, 1943. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 168 days, from the expiration of the original term thereof.

Reissue Patent No. 21,215. METHOD OF FIXING SULPHUR DIOXIDE AS SULPHURIC ACID AND FERRIC SULPHATE. Granted Sept. 26, 1939. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 83 days, from the expiration of the original term thereof.

Patent No. 2,114,892. METHOD AND APPARATUS FOR ATTACHING COMPRESSIBLE CLEANING MATERIALS TO HOLDERS OR BACKINGS. Granted Apr. 19, 1938. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,130,278. LEACHING-PRECIPITATION-FLOTATION PROCESS. Granted Sept. 13, 1938. Harmon E. Keyes. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 82 days, from the expiration of the original term thereof.

Patent No. 2,163,638. CLEANING DEVICES. Granted June 27, 1939. Sidney P. Vaughn. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 7 years and 173 days, from the expiration of the original term thereof.

Patent No. 2,310,243. HORNS FOR LOUD-SPEAKERS. Granted Feb. 9, 1943. Paul W. Klipsch. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 120 days, from the expiration of the original term thereof.

Erratum

In the OFFICIAL GAZETTE of September 11, 1951, page 335, Application for Extension of Patents—Veterans—Public Law 598—81st Congress, Patent No. 1,883,657, title of invention, for "Take Up for Looms" read *Sausage Casing and Process of Making Same.*

Adjudicated Patents

(C. A. Calif.) Hollingshead Patent No. 1,909,537, for drive-in theater. Claims 2, 4, 5, 6, 10, 15, 16, and 19 *Held* invalid. *Park-In Theatres* v. *Perkins*, 190 F.2d 137; 90 USPQ 163.

Interference Notice

Charles Atwood Symmes, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Mirror Bright Polish Co., 910 E. Colorado St., Pasadena, Calif., for registration of a trade-mark and Registration No. 353,537, issued January 11, 1938, to Charles Atwood Symmes, 50 Pine St., Danvers, Mass., and the notice of such declaration sent by registered mail to the said Symmes at the said address having been returned by the post office undeliverable, notice is hereby given that unless Symmes, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

ERNEST F. KLINGE,
Aug. 29, 1951. *Assistant Commissioner of Patents.*

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

American Telephone and Telegraph Company has placed 317 patents on the Register as available for licensing on reasonable terms, in addition to the more than 9,500 patents previously registered and published. A statement of the Company's policy in licensing its patents was published in the OFFICIAL GAZETTE, Feb. 15, 1949.

Inquiries concerning licenses should be addressed to: Patent Licensing Division, Western Electric Company, Inc., 195 Broadway, New York 7, N. Y.

The listing includes Reg. Nos. 44,553 through 44,869. Groups 28—34—83; 33—X2—X4—41—52—73; 35—41—42—43—62—63—65—66—69—71; 36—11—12—13—19—41—51—61—62—91—92—99; 39—81.

The majority of these 317 patents relate to electrical communication systems and equipment, and include telephone, telegraph, radio, television, and radar systems, and components thereof. Other patents relate to: Take-up reels and reel supports; cable-forming apparatus, cable splices and joints; cable-insulating, -impregnating, and -sealing compounds; apparatus for working and extruding plastic material; punch presses and similar machinery, and safety controls therefor; sectional and interchangeable dies; a tapping apparatus for producing burr-free threads; a chuck for driving a headless threaded stud into a tapped hole without marring the surface of the stud; a universal coil-winding machine for winding different types of resistance coils on cores; a method of cleaning wire as it emerges from a drawing die; a method of applying metallic binding elements to electrical cords to prevent cord ends from fraying; apparatus for feeding, severing and transferring bimetallic elements from a continuous strip to a welding machine utilized to weld them to leaf springs; conveyor apparatus for transferring containers from one conveyor to an angularly positioned conveyor; a gauge utilizing ultrasonic vibrations for measuring the thickness of metal parts which are inaccessible to mechanical type gauges conventionally employed; an adapter for testing vacuum tubes during their manufacture; an impact measuring apparatus for a package containing fragile articles to record on a card the number of impacts received during transit, and the number of times and the heights from which package is dropped. Some of the remaining patents relate to a machine for installing aerial cables; a tool for replacing defective insulators in switch banks; a jet-accelerated armor-piercing bomb; a trainer for aircraft personnel; an electronic machine for making mathematical calculations; and a pencil type manual oiler in which oil from a transparent plastic reservoir is fed by capillary action through a wick at a controlled rate.

Pat. 2,524,033. Three-Electrode Circuit Element Utilising Semiconductive Materials. Oct. 3, 1950.

Pat. 2,524,034. Three-Electrode Circuit Element Utilising Semiconductor Materials. Oct. 3, 1950.

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Pat. 2,524,106. Rotatably Supporting Reels. Oct. 3, 1950.

Pat. 2,524,267. Work Holding Device. Oct. 3, 1950.

Pat. 2,525,941. Mechanical Ciphering Unit. Oct. 17, 1950.

Pat. 2,525,957. Projection System. Oct. 17, 1950.

Pat. 2,526,336. Article Forming Apparatus. Oct. 17, 1950.

Pat. 2,526,338. Electrical Testing Instrument. Oct. 17, 1950.

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Pat. 2,526,856. Conveyor System. Oct. 24, 1950.

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Pat. 2,526,891. Testing Electrical Conductors. Oct. 24, 1950.

Pat. 2,526,915. Adjusting Spring Tensions. Oct. 24, 1950.

Pat. 2,527,113. Multitarget Cathode Ray Device. Oct. 24, 1950.

Pat. 2,527,127. Electronic Discharge Device. Oct. 24, 1950.

Pat. 2,527,134. Producing Fluorescent Screens. Oct. 24, 1950.

Pat. 2,527,136. Fluid Mixing Apparatus. Oct. 24, 1950.

Pat. 2,527,138. Making Resistance Measurements. Oct. 24, 1950.

Pat. 2,527,139. Spray Booth. Oct. 24, 1950.

Pat. 2,527,145. Magnetic Recorder and Transmitter. Oct. 24, 1950.

Pat. 2,527,146. Broad Band Coaxial Line to Wave Guide Coupler. Oct. 24, 1950.

Pat. 2,527,150. Aligning and Gaging Fixture. Oct. 24, 1950.

Pat. 2,527,153. Remote Control System. Oct. 24, 1950.

Pat. 2,527,159. Telephone Transmitter With Radial Slots in the Carbon Chamber. Oct. 24, 1950.

Pat. 2,527,166. Electrode Assembly for Electron Discharge Device. Oct. 24, 1950.

Pat. 2,527,617. Radio Receiving System. Oct. 31, 1950.

Pat. 2,527,619. Electrical Resonator and Mode Suppressor Therefor. Oct. 31, 1950.

Pat. 2,527,624. Object Locator. Oct. 31, 1950.

Pat. 2,527,632. Storage Tube. Oct. 31, 1950.

Pat. 2,527,636. Method of and Apparatus for Detwinning Quartz Crystals. Oct. 31, 1950.

Pat. 2,527,638. Pulse-Skip Synchronization of Pulse Transmission Systems. Oct. 31, 1950.

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Pat. 2,527,652. Storage Tube. Oct. 31, 1950.

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Pat. 2,530,219. Removing an Insulating Coating From Coated Wire. Nov. 14, 1950.

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Pat. 2,532,097. Decentralized Line Switch Arrangement. Nov. 28, 1950.

Pat. 2,532,098. Automatic Sound Reproducing Control. Nov. 28, 1950.

Pat. 2,532,125. Selective Station Ringing System. Nov. 28, 1950.

Pat. 2,532,133. Volume Control for Telephone Ringers. Nov. 28, 1950.

Pat. 2,532,694. Telephone Transmitter Having Frustoconical Back Electrode. Dec. 5, 1950.

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Pat. 2,532,699. Sealing Composition. Dec. 5, 1950.

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Pat. 2,533,465. Clapper for Telephone Ringers. Dec. 12, 1950.

Pat. 2,533,473. Motor Speed Control System. Dec. 12, 1950.

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Pat. 2,533,484. Trainer for Aircraft Personnel. Dec. 12, 1950.

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Pat. 2,533,922. Die. Dec. 12, 1950.

Pat. 2,533,923. Connecting Mechanism. Dec. 12, 1950.

Pat. 2,533,942. Extruding Apparatus. Dec. 12, 1950.

Pat. 2,533,948. Edge Cleaning Apparatus. Dec. 12, 1950.

Pat. 2,534,338. Automatic Etching Apparatus. Dec. 19, 1950.

Pat. 2,534,354. Plug-In Magnetic Switch Housing. Dec. 19, 1950.

Pat. 2,534,372. Cathode Ray Device. Dec. 19, 1950.

Pat. 2,534,373. Electrode Mounting for High Power Electron Discharge Devices. Dec. 19, 1950.

Pat. 2,534,392. Making Glass Window Seals. Dec. 19, 1950.

Pat. 2,534,393. Electrode Assembly for Electrical Discharge Devices. Dec. 19, 1950.

Pat. 2,534,461. Line Feed Release Mechanism. Dec. 19, 1950.

Pat. 2,534,494. Telegraph Transmitter. Dec. 19, 1950.

Pat. 2,534,542. Standby Battery System. Dec. 19, 1950.

Pat. 2,534,548. High Power Water-Cooled Electron Discharge Device. Dec. 19, 1950.

Pat. 2,534,559. Voltage Regulation. Dec. 19, 1950.

Pat. 2,534,564. Ringer Test Circuit Controlled From Station Under Test. Dec. 19, 1950.

Pat. 2,534,565. Testing Vibration Translating Devices by Means of an Oscilloscope Pattern. Dec. 19, 1950.

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Pat. 2,534,856. Cold Cathode Gas Tube Counting Circuit. Dec. 19, 1950.

Pat. 2,534,862. Radio Ranging System With Selective Automatic Volume Control and Range Following. Dec. 19, 1950.

Pat. 2,534,864. Terminal Strip for Electrical Interconnections. Dec. 19, 1950.

Pat. 2,534,865. Protective Seal for Vulcanising Apparatus. Dec. 19, 1950.

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Pat. 2,534,872. Pulse Producing Apparatus. Dec. 19, 1950.

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Pat. 2,535,286. Working and Advancing Plastic Material. Dec. 26, 1950.

Pat. 2,535,287. Advancing and Working Plastic Material. Dec. 26, 1950.

Pat. 2,535,303. Electronic Switch. Dec. 26, 1950.

Pat. 2,535,317. High Speed Oscilloscope. Dec. 26, 1950.

Pat. 2,535,326 Projection Vibration Indicator. Dec. 26, 1950.

Pat. 2,535,400. Multicontact Dry Reed Relay. Dec. 26, 1950.

Pat. 2,535,446. Carrier Communication System. Dec. 26, 1950.

Pat. 2,535,661. Control Circuits. Dec. 26, 1950.

Pat. 2,535,667. Torque Controlling Mechanism. Dec. 26, 1950.

Pat. 2,535,675. Ringing Control Circuit. Dec. 26, 1950.

Pat. 2,535,681. Electroacoustic System and Means. Dec. 26, 1950.

Pat. 2,535,712. Multiple Gap Erase Head for Magnetic Recording. Dec. 26, 1950.

Pat. 2,535,713. Protective Plating for Electrodes. Dec. 26, 1950.

Pat. 2,535,810. Minimising Electron Optical Distortions in Electron Camera Tubes. Dec. 26, 1950.

Pat. 2,535,811. Voltage Divider Circuit. Dec. 26, 1950.

Pat. 2,535,872. Signaling System. Dec. 26, 1950.

Pat. 2,536,173. Making Conductor Splices. Jan. 2, 1951.

Pat. 2,536,193. Time Interval Measuring Device. Jan. 2, 1951.

Pat. 2,536,208. Treating Strands. Jan. 2, 1951.

Pat. 2,536,226. Rotary Mechanism Balanced for Rotation About Two Nonparallel Axes. Jan. 2, 1951.

Pat. 2,536,239. Panel Holding Apparatus. Jan. 2, 1951.

Pat. 2,536,528. Feed Out Mechanism for Telegraph Printers. Jan. 2, 1951.

Pat. 2,536,578. Electronic Multiplex to Start-Stop Extensor. Jan. 2, 1951.

Pat. 2,537,005. Conveyor Apparatus. Jan. 9, 1951.

Pat. 2,537,139. Object Locator System. Jan. 9, 1951.

Pat. 2,537,255. Light Sensitive Electric Device. Jan. 9, 1951.

Pat. 2,537,256. Light-Sensitive Electric Device. Jan. 9, 1951.

Pat. 2,537,257. Light-Sensitive Electric Device. Jan. 9, 1951.

Pat. 2,537,341. Tuning Arrangement. Jan. 9, 1951.

Pat. 2,537,360. Reciprocating Feed Device. Jan. 9, 1951.

Pat. 2,537,385. Electric Welding Machine. Jan. 9, 1951.

Pat. 2,537,386. Feeding, Cutting and Transfer Mechanism. Jan. 9, 1951.

Pat. 2,537,388. Beam Amplifier. Jan. 9, 1951.

Pat. 2,537,420. Mechanical Ciphering Units. Jan. 9, 1951.

Pat. 2,537,822. Spiral Scanning Mechanism. Jan. 9, 1951.

Pat. 2,537,824. Magnetron. Jan. 9, 1951.

Pat. 2,537,843. Pulse Regeneration Apparatus. Jan. 9, 1951.

Pat. 2,537,858. Impact Measuring and Recording Mechanism. Jan. 9, 1951.

Pat. 2,537,862. High-Voltage Pulse Generator. Jan. 9, 1951.

Pat. 2,538,114. Thickness Measurement. Jan. 16, 1951.

Pat. 2,538,225. Joining Coaxial Cables. Jan. 16, 1951.

Pat. 2,538,253. Artillery Computer. Jan. 16, 1951.

Pat. 2,538,266. Communication System Employing Pulse Code Modulation. Jan. 16, 1951.

Pat. 2,538,267. Gaseous Electron Discharge Device. Jan. 16, 1951.

Pat. 2,538,495. Metallic Container Sealing Method. Jan. 16, 1951.

Pat. 2,538,496. Metallic Container Sealing Apparatus. Jan. 16, 1951.

Pat. 2,538,615. Decoder for Reflected Binary Codes. Jan. 16, 1951.

Pat. 2,538,621. Electrodynamic Transducer and Connector Therefor. Jan. 16, 1951.

Pat. 2,538,625. Speed Changing Transmission. Jan. 16, 1951.

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Pat. 2,538,994. Motor Control Arrangement. Jan. 23, 1951.

Pat. 2,539,128. Strainer for Plastic Material. Jan. 23, 1951.

Pat. 2,539,129. Strainer for Straining Plastic Material. Jan. 23, 1951.

Pat. 2,539,147. Applying Viscous Material in the Forming of Cables. Jan. 23, 1951.

Pat. 2,539,535. Source of Electrical Energy. Jan. 30, 1951.

Pat. 2,539,537. Multifrequency Combined Radio Transmitter and Receiver. Jan. 30, 1951.

Pat. 2,539,549. Impregnating Apparatus. Jan. 30, 1951.

Pat. 2,539,550. Telegraph Hub Repeater. Jan. 30, 1951.

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Pat. 2,539,556. Variable Delay Speech Privacy System. Jan. 30, 1951.

Pat. 2,539,610. Chucks for Use With Rotary Tools. Jan. 30, 1951.

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Pat. 2,540,287. Printing Telegraph System and Apparatus. Feb. 6, 1951.

Pat. 2,540,478. Multivibrator. Feb. 6, 1951.

Pat. 2,540,487. Electroacoustic Transducer. Feb. 6, 1951.

Pat. 2,540,488. Microwave Filter. Feb. 6, 1951.

Pat. 2,540,497. Continuous Extruding and Vulcanising Apparatus. Feb. 6, 1951.

Pat. 2,540,498. Microphone Damping System Having Rear Openings. Feb. 6, 1951.

Pat. 2,540,833. Strand Guide for Unit Type Stranders. Feb. 6, 1951.

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Pat. 2,540,835. Cathode-Ray Device. Feb. 6, 1951.

Pat. 2,540,839. Wave Guide System. Feb. 6, 1951.

Pat. 2,540,840. Strand Guiding Apparatus. Feb. 6, 1951.

Pat. 2,540,843. Electrical Connections to Articles in Transit. Feb. 6, 1951.

Pat. 2,541,195. Resonator With Multiple Electrodes. Feb. 13, 1951.

Pat. 2,541,259. Automatic Frequency Control System. Feb. 13, 1951.

Pat. 2,541,276. Differential Control Circuit. Feb. 13, 1951.

Pat. 2,541,294. Locking Electrical Connector. Feb. 13, 1951.

Pat. 2,541,320. Multifrequency Generator. Feb. 13, 1951.

Pat. 2,541,322. Control of Impedance of Semiconductor Amplifier Circuits. Feb. 13, 1951.

Pat. 2,541,324. Motion Translating Mechanism. Feb. 13, 1951.

Pat. 2,541,348. Time Division Multiplex Telephone System. Feb. 13, 1951.

Pat. 2,541,375. Wave Filter. Feb. 13, 1951.

Pat. 2,541,378. Rectangular Wave Generator Control. Feb. 13, 1951.

Pat. 2,541,576. Determining Fluent Level. Feb. 13, 1951.

Pat. 2,541,577. Safety Control Mechanism. Feb. 13, 1951.

Pat. 2,541,610. Conveying and Weighing Apparatus. Feb. 13, 1951.

Pat. 2,541,618. Making Magnetic Measurements. Feb. 13, 1951.

Pat. 2,541,910. Directional Coupler. Feb. 13, 1951.

Pat. 2,541,912. Conditioning Rotatable Grinding Wheels. Feb. 13, 1951.

Pat. 2,541,923. Molding Apparatus. Feb. 13, 1951.

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Pat. 2,541,932. Multiplex Speech Interpolation System. Feb. 13, 1951.

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Pat. 2,542,182. Combined Radar and Communication System. Feb. 20, 1951.

Pat. 2,542,183. Transmission Privacy Synchronising and Equalising System. Feb. 20, 1951.

Pat. 2,542,185. Rotatable Attenuator Without Phase Shift. Feb. 20, 1951.

Pat. 2,542,206. Telegraph Concentration Board Circuits. Feb. 20, 1951.

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Pat. 2,542,668. Mercury Type Relay. Feb. 20, 1951.

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Pat. 2,542,742. Pilot Lamp Station Line Circuits. Feb. 20, 1951.

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Pat. 2,543,116. Secret Transmission of Message Intelligence. Feb. 27, 1951.

Pat. 2,543,130. Reflecting System. Feb. 27, 1951.

Pat. 2,543,174. Telegraphically Controlled Timing Mechanism. Feb. 27, 1951.

Pat. 2,543,525. Conductor Guide in Insulating Machine. Feb. 27, 1951.

Pat. 2,543,531. Counting Apparatus. Feb. 27, 1951.

Pat. 2,543,538. Article Feeding Mechanism. Feb. 27, 1951.

Pat. 2,544,303. Holding Fixture for Articles. Mar. 6, 1951.

Pat. 2,544,313. Cable Lashing Machine. Mar. 6, 1951.

Pat. 2,544,325. Telephone Substation Apparatus. Mar. 6, 1951.

Pat. 2,544,330. Selective Signaling Device. Mar. 6, 1951.

Pat. 2,544,348. Reel Support. Mar. 6, 1951.

Pat. 2,544,383. Speed Regulation of Dynamotors. Mar. 6, 1951.

Pat. 2,544,753. Electron Camera Tube. Mar. 13, 1951.

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Pat. 2,544,755. Electron Camera Tube. Mar. 13, 1951.

Pat. 2,545,198. Perforating Apparatus. Mar. 13, 1951.

Pat. 2,545,204. Jet-Accelerated Armor-Piercing Bomb. Mar. 13, 1951.

Pat. 2,545,207. Message Numbering Device. Mar. 13, 1951.

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Pat. 2,545,544. Impedance Monitor. Mar. 20, 1951.

Pat. 2,545,549. Safety Control for Machines. Mar. 20, 1951.

Pat. 2,545,551. Automatic Electronic Detecting and Testing Apparatus for Switching Systems. Mar. 20, 1951.

Pat. 2,545,560. Die Set for Punch Presses. Mar. 20, 1951.

Pat. 2,545,562. Shaft Coupling. Mar. 20, 1951.

Pat. 2,546,309. Joint for Coaxial Conductors. Mar. 27, 1951.

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Pat. 2,546,318. Conveyor for Handling Tacky Material. Mar. 27, 1951.

Pat. 2,546,321. Piezoelectric Crystal Apparatus. Mar. 27, 1951.

Pat. 2,546,322. Balanced to Unbalanced Coupling. Mar. 27, 1951.

Pat. 2,546,334. Telephone Substation Having Hearing Aid Facilities. Mar. 27, 1951.

Pat. 2,546,365. Pneumatic Operating Clutch Device. Mar. 27, 1951.

Pat. 2,546,370. Azimuth Indicating Circuit. Mar. 27, 1951.

Pat. 2,546,371. Generation of Pulses of Alternately Opposite Polarities. Mar. 27, 1951.

Pat. 2,546,373. Conveyer Unloader. Mar. 27, 1951.

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Pat. 2,546,629. Positioning a Forming Die With Respect to a Core Tube. Mar. 27, 1951.

Pat. 2,546,636. Take-Up Apparatus. Mar. 27, 1951.

Pat. 2,546,637. Take-Up Apparatus. Mar. 27, 1951.

Pat. 2,546,810. Tool for Use in Replacing Insulators in Switch Banks. Mar. 27, 1951.

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Pat. 2,546,818. Electric Switch Contact Protection. Mar. 27, 1951.

Pat. 2,546,819. Stepping Failure Indicator for Sensing Devices. Mar. 27, 1951.

Pat. 2,546,821. Magnetic Recorder and Reproducer. Mar. 27, 1951.

Pat. 2,546,824. Electrical Protective Apparatus. Mar. 27, 1951.

Pat. 2,546,829. Magnetic Recorder and Reproducer. Mar. 27, 1951.

Pat. 2,546,835. Code Recording Control Circuit. Mar. 27, 1951.

Pat. 2,546,840. Wave Guide Phase Shifter. Mar. 27, 1951.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 2, 1951

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ACT OF 1905

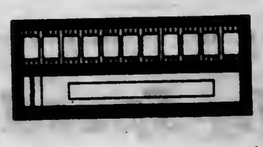
The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 518,550. Rafael Mercado, Caracas, Venezuela. Filed Mar. 5, 1947.



The representation of the moving picture film is disclaimed.

For Prepared Advertising Sold as Such.

Claims use since May 13, 1946.

CLASS 39

CLOTHING

Ser. No. 525,646. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947. Under 10-year proviso.



The word "Feutre" is disclaimed.

For Women's Hats and Hat Bodies.

Claims use since Mar. 14, 1940, on the mark as shown; and since 1856 on "Merrimac."

CLASS 47

WINES

Ser. No. 514,325. Bettino Ricasoli Firidolfi, doing business as Casa Vinicola Barone Ricasoli, Firense, Italy. Filed Dec. 16, 1946.



The drawing is lined for red and blue. The words "Chianti," "Siena," "Italia," "Marca Depos.," "Rosso," "Casa Vinicola Barone Ricasoli" and "Firense" are disclaimed.

For Wines.

Claims use since January 1927.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 506,584. The Cudahy Packing Co., Chicago, Ill. Filed July 31, 1946.



The foreign language shown are the Russian words for "Old Dutch."

For Soap Powder Combined With Mineral Ingredients.

Claims use since June 20, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 562,183. C. R. Daniels, Inc., Daniels, Md. Filed July 26, 1948.

GLOSSTEX

For Vinyl Coated Canvas Hampers and Baskets.

Claims use since November 1947.

Ser. No. 579,029. The David Kenne Co., Elmhurst, Ill. Filed May 18, 1949.

DAVID KENNE

The trade-mark does not identify any particular living individual.

For Portable Cabinets With Prearranged Fittings for Holding Selected Carpenter Tools.

Claims use since Feb. 26, 1949.

Ser. No. 579,596. Hemp and Company, Incorporated, Macomb, Ill. Filed May 27, 1949.

Vagabond

For Thermally Insulated Food and Beverage Containers—Namely, Flasks, Jugs, Food Hampers, Picnic Baskets, and Outing Chests.
Claims use since October 1947.

Ser. No. 581,504. United States Envelope Company, Springfield, Mass. Filed July 2, 1949.

COLUMBIAN

Applicant claims ownership of Registrations Nos. 278,477 and 442,636.
For Paper Drinking Cups.
Claims use since 1912.

Ser. No. 581,505. United States Envelope Company, Springfield, Mass. Filed July 2, 1949.

Columbian

Applicant claims ownership of Registrations Nos. 278,477 and 442,636.
For Merchandise Envelopes—Namely, Metal Flap Envelopes and Expansion Envelopes.
Claims use since November 1946.

Ser. No. 583,767. T. R. Miller Mill Company, Inc., Brewton, Ala. Filed Aug. 20, 1949.



The words "Miller" and "Brewton, Ala." are disclaimed.
For Packages, Boxes, and Shipping Cases Made of Wood, Corrugated Board, and Solid Fibre.
Claims use since Aug. 8, 1949.

Ser. No. 585,144. Harper J. Ransburg Co., Inc., Indianapolis, Ind. Filed Sept. 21, 1949. (Sec. 2f as to "Ransburg.")



The words "Genuine Hand Painted," "Indianapolis," "Made in U. S. A." and "Trade Mark" are disclaimed.
For Metal Receptacles—Namely, Salt and Pepper Shakers, Match Boxes for Kitchen Use, Canisters, Waste Baskets, Flour Bins, Stepon Cans, Bread Boxes, and Cake Closets.
Claims use since Apr. 25, 1936.

Ser. No. 588,492. Identatray Corporation, New York, N. Y. Filed Nov. 29, 1949.

IDENTA-TRAY

The word "Tray" is disclaimed.
For Wooden and Plastic Serving Trays.
Claims use since Nov. 16, 1949.

Ser. No. 601,762. The Victaulic Company Limited, London, England. Filed Aug. 4, 1950.

VIKING

Priority under Sec. 44(d). British application S. N. 689,775, filed June 13, 1950, Registration No. 689,775, dated June 13, 1950. Applicant claims ownership of British Registration No. 689,775, dated June 13, 1950.
For Tanks Made of Metal or Concrete for Air and Other Gases.

Ser. No. 604,003. International Paper Company, New York, N. Y. Filed Sept. 26, 1950. (Sec. 2f.)

KENNEBEC

For Paper Bags.
Claims use since 1918.

Ser. No. 607,473. Alsop Engineering Corporation, Milldale, Conn. Filed Dec. 9, 1950. (Sec. 2f.)

Hy-Spend

Applicant claims ownership of Registration No. 278,683.
For Open Tanks, Air Tight Storage Tanks, Settling Tanks, and Mixing Tanks.
Claims use since 1926.

Ser. No. 608,932. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Jan. 18, 1951.

EVERGREEN

For Paper Bags.
Claims use since Aug. 1, 1932.

Ser. No. 608,933. Gulf States Paper Corporation, Tuscaloosa, Ala. Filed Jan. 18, 1951.

SILVER BIRCH

For Paper Bags.
Claims use since Aug. 1, 1932.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 606,119. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy



For Boys' and Girls' School Bags.
Claims use since May 10, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 548,364. Hanson-Van Winkle-Munning Company, Matawan, N. J. Filed Jan. 30, 1948. (Sec. 2f.)

RED-E-TO-USE

Applicant claims ownership of Registration No. 163,802.
For Polishing Wheels and Buffs.
Claims use since May 1, 1920.

Ser. No. 575,839. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed Mar. 22, 1949.

CHEMCO

Applicant claims ownership of Registrations Nos. 353,142 and 353,510.
For Photographic, Photoengraving and Photomechanical Supplies—Namely, Halftone Screen, Lens and Glass Cleaners Having Cleaning and Polishing Properties for Photographic and Photoengraving Use, Abrasive and Burnishing Powders for Photoengraving and Photomechanical Use Including Precipitated Chalk, French Chalk, Powdered Pumice and Powdered Charcoal, and Engravers' Charcoal for Burnishing Metal Photoengravers' Plates.
Claims use since 1938.

Ser. No. 587,581. Thomas Lee Edward Cobb, doing business as Blue Seal Products, Kennett, Mo. Filed Sept. 12, 1949.

BLUE SEAL

For Preparation for Cleaning and Polishing Hard Finished Surfaces.
Claims use since July 15, 1949.

Ser. No. 592,545. Chemco Photoproducts Company, Inc., Glen Cove, N. Y. Filed Feb. 16, 1950.

chemco

For Photographic, Photoengraving, and Photomechanical Supplies—Namely, Engravers' Burnishing Charcoal, Abrasive, and Polishing Powder Compositions, Powdered Pumice and Impregnated Felt Polishing Pads.
Claims use since December 1949.

Ser. No. 592,852. Trio Chemical Works, Inc., Brooklyn, N. Y. Filed Feb. 21, 1950.

AMAZON

For Floor Polishing Wax.
Claims use since Apr. 1, 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 562,829. Allied Chemical & Dye Corporation, New York, N. Y. Filed Aug. 5, 1948.

BRT

Applicant claims ownership of Registration No. 179,808.
For Liquid Mixture of Hydrocarbons.
Claims use since June 1, 1921.

Ser. No. 587,550. Heintz Manufacturing Company, Philadelphia, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania. Filed Nov. 9, 1949.

fosrinse

For Chemical Substances Used in Treating Metals Preparatory to Stamping, Drawing, Extruding or Other Forming or Deforming Operations, or Preparatory to Painting, or for Forming a Corrosion-Resistant Surface on the Metal.
Claims use since Feb. 10, 1948.

Ser. No. 587,926. Allied Chemical & Dye Corporation, New York, N. Y. Filed Nov. 17, 1949.

SOLVAT

For Synthetic Organic Chemical Compositions for Imparting Color, and Especially for Dyeing and Otherwise Coloring Textile Fibers.
Claims use since Sept. 28, 1943.

Ser. No. 589,395. Cecil H. Runyon, doing business as Dry-Ped Products Co., Portland, Oreg. Filed Dec. 15, 1949. (Sec. 2f.)



Applicant claims ownership of Registration No. 243,036, dated June 12, 1928.
For Oil and Grease Products, Being in the Nature of Waterproofing Materials for Leather and Primarily Used on Shoes.
Claims use since 1922.

Ser. No. 595,271. Morton-Withers Chemical Company, Greensboro, N. C. Filed Apr. 5, 1950.

MORFLEX

For Plasticizers.
Claims use since Feb. 7, 1948.

Ser. No. 604,838. Champion Textile Finishing Co., Chicago, Ill. Filed Oct. 13, 1950.

V-110

For Liquid Composition for the Waterproofing of Fabrics.
Claims use since November 1949.

Ser. No. 605,373. The Seamless Rubber Company, New Haven, Conn. Filed Oct. 24, 1950.

KOLITE

For Liquid or Plastic Compound or Composition Adapted To Be Rolled or Formed Into Sheets and Adapted To Serve as a Substitute for Rubber or Leather and the Like.
Claims use since Sept. 15, 1950.

Ser. No. 606,635. The Stro-Kon Company, Whittier, Calif. Filed Nov. 18, 1950.

STRO-KON

For Emulsified Insecticide.
Claims use since July 24, 1950.

Ser. No. 606,636. The Stro-Kon Company, Whittier, Calif. Filed Nov. 18, 1950.

STRO-KON

For Emulsified Insecticide.
Claims use since July 24, 1950.

Ser. No. 608,334. Aktiebolaget Bofors, Bofors, Sweden. Filed Jan. 4, 1951.

Bonofur

Applicant claims ownership of Swedish Registration No. 65,841, dated Dec. 7, 1948.
For Livestuffs.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 563,274. Charles W. Neyer, doing business as Devil Laboratories Company, Cincinnati, Ohio, assignor to Alice Ruth Neyer, Hamilton County, Ohio. Filed Aug. 12, 1948.

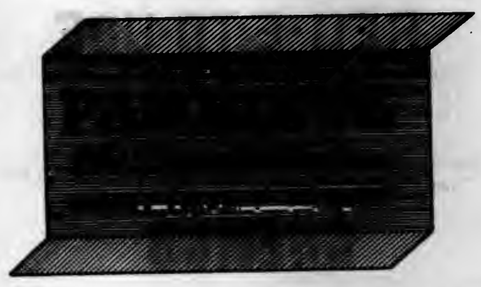
DEVIL'S 

Applicant claims ownership of Registration No. 243,731.
For Parts for Pyrophoric Cigar and Cigarette Lighters—Namely, Flints, Springs, and Wicks.
Claims use since Dec. 10, 1927.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 587,975. St. Regis Paper Company, New York, N. Y. Filed Nov. 17, 1949.



The drawing is lined for shading. The words "The Decorative Surface" and "Beauty First—To Last" are disclaimed.
For Resinous Plastic Surfacing Materials and Laminated Plastic Surfacing Materials in Various Shapes for Table Tops, Sinks, Splashboards, Bars, Soda Fountains, Counter Tops, and Facings, Walls and Ceilings.
Claims use since Nov. 2, 1949.

Ser. No. 612,191. Western Cooperage, Inc., Portland, Oreg. Filed Apr. 3, 1951.

VERTIGRAIN

For Laminated Wood Boards and Panels Consisting of a Plurality of Layers of Wood of Vertical Grain Laminated Together.
Claims use since May 27, 1949.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 566,328. Delta-Star Electric Company, Chicago, Ill. Filed Oct. 2, 1948.



For Nuts, Bolts, Clamps, Metal Pipe, and Pipe Fittings.
Claims use since Oct. 25, 1925.

Ser. No. 576,534. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California. Filed Apr. 2, 1949. (Sec. 2f.)

GUMP'S

For Base Metal Bowls, Base Metal Vases, Base Metal Plates Used as Receptacles for Confections, and Base Metal Enamel Bowls and Vases.
Claims use since June 1, 1930.

Ser. No. 578,488. Vincent C. Cerasi, Rome, Italy. Filed May 10, 1949.

AQUAFORM

Right of priority is claimed under Sec. 44(d). Italian application filed Mar. 3, 1949, Registration No. 92,930.
For Sprayers Designed To Be Connected to Water Lines To Produce Useful and Decorative Water Sprays.

Ser. No. 583,416. Thiel Tool & Engineering Company, St. Louis, Mo. Filed Aug. 12, 1949. (Sec. 2f.)

THIEL

For Staples.
Claims use since July 1, 1939.

Ser. No. 590,736. Detroit Hardware Manufacturing Company, Detroit, Mich. Filed Jan. 12, 1950.

"DETROLITE"

For Builders' Hardware Articles of Aluminum Coated With a Black Anodic Finish Produced With Cobalt Acetate—Namely, Push Bars, Door Pulls, Door Handles, Grip Handles, Push Plates, Kick Plates, Back Plates, Pull Plates, Door Knobs, and Escutcheons.
Claims use since Sept. 15, 1949.

Ser. No. 601,092. Baramark World Corporation, New York, N. Y. Filed July 22, 1950.

RAINFLOWER

For Lawn Sprinklers.
Claims use since July 14, 1950.

Ser. No. 610,793. Jay G. McKenna, Inc., Elkhart, Ind. Filed Mar. 3, 1951.



The representation of the goods is disclaimed.
For Interior Sliding Door Hardware—Namely, Tracks, Rollers, Door Hangers, and Door Guides.
Claims use since May 21, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 602,835. Foote Mineral Company, Philadelphia, Pa. Filed Aug. 28, 1950. (Sec. 2f.)



The words "Mineral Company" are disclaimed. Applicant claims ownership of Registration No. 176,912.
For Metals and Alloys Comprising Boron, Ferro; Chromium, Ferro; Chromium Metal; Columbium, Ferro; Manganese, Ferro; Manganese Metal; Molybdenum, Ferro; Silican, Ferro; Tungsten Metal; Vanadium, Ferro; Zirconium Metal Powder; Zirconium Metal, Ductile; Silica; and Titanium Ores for Welding and Metallurgical Use.
Claims use since 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 499,824. Coast Paint & Chemical Company, Los Angeles, Calif. Original filed, act of 1905, Apr. 8, 1946; amended to application under act of 1946, Principal Register, Dec. 26, 1947.



The words "Uniformity," "Performance," and "Durability" are disclaimed.
For Ready Mixed Oil and Synthetic Paints; Oil and Water Miscible Concentrated Paints, Paint Enamels; Interior and Exterior Lacquers and Varnishes; Varnish, Water, Spirit, Penetrating, and Lacquer Stains; Oil and Synthetic Paint or Similar Type Primers, Undercoaters and Sealers; Wood and Metal Fillers.
Claims use since Oct. 16, 1944.

Ser. No. 536,153. Seidlitz Paint & Varnish Co., Kansas City, Mo. Filed Sept. 29, 1947.

AQUALITE

For Washable Interior Resin Paste Paints.
Claims use since Mar. 20, 1942.

Ser. No. 571,338. Michigan Chrome & Chemical Company, Detroit, Mich. Filed Dec. 30, 1948.

MICCRO

Applicant claims ownership of Registrations Nos. 386,536, 394,559, and others.
For (1) Stop-Off Lacquer for Selective Masking of Machined Parts for Hard Chromium Plating; (2) Coating Lacquers—Namely, Layout Dyes Used as Paint Ingredients, Stop-Off Lacquers, and Stop-Off Lacquer Thinners—(3) Plastic Protective Coatings for Electrolytic Plating Tanks and Racks; (4) Plastic Electrolytic Protective Coatings for Plating Tanks and Racks.
Claims use since October 1937.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 602,117. Wolf Bros. & Co., Red Lion, Pa. Filed Aug. 11, 1950.

RUMBOE CROOKS

The word "Crooks" is disclaimed.
For Cigars.
Claims use since 1937.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 603,580. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Sept. 15, 1950.

FLORIZIA

Applicant claims ownership of Registration No. 283,685.
For Artificial, Natural, and Synthetic Essential Oils, and Aromatic Chemicals From Natural and Other Sources, Used as a Flavoring or an Ingredient in Medicines or Pharmaceutical Preparations.
Claims use since Feb. 4, 1928.

Ser. No. 608,977. American Cyanamid Company, New York, N. Y. Filed Jan. 19, 1951.

GEVIRAL

For Vitamin-Mineral Preparation.
Claims use since Dec. 28, 1950.

Ser. No. 608,978. American Cyanamid Company, New York, N. Y. Filed Jan. 19, 1951.

MACROVITE

For Vitamin-Mineral Preparations.
Claims use since Dec. 28, 1950.

Ser. No. 608,979. American Cyanamid Company, New York, N. Y. Filed Jan. 19, 1951.

PRIMOPLEX

For Vitamin-Mineral Preparation.
Claims use since Dec. 28, 1950.

Ser. No. 609,143. The Scholl Mfg. Co., Inc., Chicago, Ill. Filed Jan. 23, 1951.

Drylon

For Medicated Foot Powder.
Claims use since Jan. 15, 1951.

Ser. No. 609,224. Beneficial Products, Inc., Birmingham, Mich. Filed Jan. 25, 1951.

GYNESYX

For Antiseptic-Germicidal Preparation for Vaginal Use.
Claims use since Feb. 19, 1950.

CLASS 19

VEHICLES

Ser. No. 595,838. Helix Corporation, Crown Point, Ind. Filed Apr. 17, 1950.

CONVEY-O-MATIC
IT FLOATS THE LOAD

The words "Convey" and "It Floats The Load" are disclaimed.
For Farm Wagons Incorporating a Belt-Type Unloading Conveyor.
Claims use since Jan. 2, 1949.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 600,207. Art Wire & Stamping Co., Newark, N. J. Filed July 5, 1950.

KELUX

For Seamless Barrel Swivels, Safety Snap Swivels, Lockfast Swivels, Crossline Single Snap Swivels, and Other Combinations Where the Swivels of This Type Are Used in Connection With Other Fishing Tackle Accessories.
Claims use since June 22, 1950.

Ser. No. 602,227. The Sun Rubber Company, Barberton, Ohio. Filed Aug. 15, 1950.

"Babee-Bee"

The word "Babee" is disclaimed.
For Layettes, Including Clothing and Equipment, for Dolls.
Claims use since July 27, 1950.

Ser. No. 614,788. Rosnov and Rosnov, Philadelphia, Pa. Filed June 5, 1951.

PUZZO

The representation of the portions of a puzzle is disclaimed.
For Game—Namely, a Jigsaw Puzzle, the Individual Cut-Out Pieces of Which Are Distributed to Members of a Movie-House Audience or Other Assemblage for Matching Against a Master-Picture Having One or More Sections Designated as Winning-Sections, the Holder of Each Cut-Out Piece Matching a Winning-Section Being Entitled to a Prize.
Claims use since May 9, 1951.

Ser. No. 614,992. S. H. Kress and Company, New York, N. Y. Filed June 9, 1951.

GLENDALE

Applicant claims ownership of Registrations Nos. 282,957, 287,494, 307,262, 309,419, 383,680.
For Playing Cards.
Claims use since Mar. 10, 1941, as shown; and since May 15, 1931, as to the word "Glendale."

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 532,405. The Leon J. Barrett Co., Millbury, Mass. Filed Aug. 15, 1947.

Centrifugals

The word "Centrifugals" is disclaimed. Applicant claims ownership of Registration No. 280,666.
For Centrifugal Machinery and Equipment—Namely, Self-Contained Machines Employing Motor-Driven Rotating Elements, for the Performance, by Centrifugal Action or Agitation, of Operations Involving the Extraction, Drying, Washing, Impregnating, Coating, Separating, and Precipitation of Solids and Fluids or Mixtures Thereof.
Claims use since Jan. 1, 1925.

Ser. No. 547,876. The Silver Streak Manufacturing Co., Dyersville, Iowa. Filed Jan. 23, 1948.

SILVER STREAK

For Renewable Edges for Plowshares.
Claims use since October 1939.

Ser. No. 560,633. Manfredonia Machine Company, Long Island City, N. Y. Filed July 2, 1948.

MASTER
PLUNGER

The word "Plunger" is disclaimed.
For Envelope-Making and Gumming Machinery.
Claims use since June 1, 1948.

Ser. No. 567,195. Roger C. Griswold, doing business as Braid-Aid Company, Kingston, Mass. Filed Oct. 19, 1948.

BRAID-AID

The word "Braid" is disclaimed.
For Strip Folding Tool for Use in Making Braid.
Claims use since Jan. 28, 1948.

Ser. No. 567,282. Super Mold Corporation of California, Lodi, Calif. Filed Oct. 20, 1948. (Sec. 2f.)

LODI

For Tire Repair Equipment—Namely, Tire Retreading and Recapping Molds, and Parts Thereof, Sectional Repair Molds for Tires, Tire Buffing Machines, Machines for Applying Camelback Rubber to Tire Treads, Adjustable Curing Rims for Tire Retreading and Recapping Molds, Automatic Tread Centering Plates for Aligning Tire Beads in Retreading and Recapping Molds, and Tire Tube Repair Vulcanizers.
Claims use since Jan. 15, 1933.

Ser. No. 569,017. Societe Anonyme André Citroën, Paris, France. Filed Nov. 18, 1948. (Sec. 2f.)

CITROËN

For Traction Engines, Internal-Combustion Engines, and Structural Parts Thereof.
Claims use since June 10, 1920; and since 1937 in commerce between France and the United States.

Ser. No. 573,800. Speed Products Company, Inc., Long Island City, N. Y. Filed Feb. 12, 1949.

Swingline
STAPLE XTRACTOR

The expression "Staple Xtractor" is disclaimed. Applicant claims ownership of Registration No. 358,506.
For Staple Extractors.
Claims use since Feb. 4, 1949.

Ser. No. 579,815. Greenfield Tap and Die Corporation, Greenfield, Mass. Filed June 1, 1949.

GTD
AMPCO

Applicant claims ownership of Registrations Nos. 110,539, 147,322, 166,786, 417,705, and 419,078.
For Twist Drills, Reamers, Milling Cutters, End Mills, Countersinks, Combination Drills and Countersinks, and Twist Drill Mounting Sleeves and Sockets.
Claims use since May 16, 1949.

Ser. No. 588,247. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Railway Switches; Farm and Garden Tools—Namely, Trowels, Weeders, Cultivators, Spatulas, Cutters, Lawn Edgers, Sickles, Tampers, Rollers, Spades, Shovels, Hoes, Rakes, Forks, Scrapers, and Mattocks.
Claims use since 1939.

Ser. No. 590,540. John Wood Company, New York, N. Y., and Muskegon Heights, Mich. Filed Jan. 7, 1950.

ECO
ISLANDER WITH SPIRA-COIL

The words "With" and "Coil" are disclaimed. Applicant claims ownership of Registrations Nos. 242,758, 242,759, 242,801, and 243,589.
For Automatic Hose Winding Machines and Housings Therefor for Dispensing Air and Water at Automobile Service Stations; and Automatic Hose Winding Machines and Housings Therefor, Equipped With a Utility Service Desk, Sold as a Unit, for Dispensing Air and Water at Automobile Service Stations.
Claims use since Nov. 25, 1949.

Ser. No. 599,197. Sossner Tap and Tool Corporation, New York, N. Y. Filed June 15, 1950.

MIRACL * EDGE

The word "Edge" is disclaimed.
For Threading Taps.
Claims use since May 25, 1950.

Ser. No. 605,482. Ingersoll-Rand Company, Phillipsburg, N. J., and New York, N. Y. Filed Oct. 27, 1950. (Sec. 2f.)

JACKEG

The drawing is lined for red, black, and blue, but color is not considered an essential part of the mark. Applicant claims ownership of Registration No. 385,259.
For Supports for Pneumatic Rock Drills.
Claims use since Nov. 24, 1939.

Ser. No. 607,451. The Pennzoil Company, Oil City, Pa. Filed Dec. 8, 1950.

PENNZOIL SYSTEM

The word "System" is disclaimed. Applicant claims ownership of Registration No. 525,673.
For Machine for Applying Postage Stamps and Addresses to Post Cards, Envelopes, and Other Items of Mail Matter.
Claims use since Oct. 4, 1946.

Ser. No. 608,661. The Monarch Marking System Company, Dayton, Ohio. Filed Jan. 11, 1951. (Sec. 2f.)

Pin-Ons

Applicant claims ownership of Registrations Nos. 198,293 and 510,936.
For Automatic Tag Marking and Affixing Machines.
Claims use since July 1924.

Ser. No. 609,745. Stewart-Warner Corporation, Chicago, Ill. Filed Feb. 7, 1951.

ACCUMETER

For Lubricator Units Comprising, Pumps, Oil Control Valves, Oil Lines, and Connections Therefor.
Claims use since Dec. 15, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 537,530. Wheeling Corrugating Company, Wheeling, W. Va. Filed Oct. 10, 1947. (Sec. 2f.)

DRAINATUB

For Metal Wash Tubs.
Claims use since October 1932.

Ser. No. 581,380. Sears, Roebuck and Co., Chicago, Ill. Filed June 30, 1949.

Hearthside

For Expandable Metal Racks for Drying and Creasing Trousers, Daily Stretchers, and Clothes Drying Racks.
Claims use since July 15, 1948.

Ser. No. 583,864. The Dexter Company, Fairfield, Iowa. Filed Aug. 23, 1949.

Automatic Laundry

For Household Laundry Washing Machines.
Claims use since July 15, 1949.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 547,665. Scintilla Ltd., Soleure, Switzerland. Filed Jan. 21, 1948.

LESTO

Applicant claims ownership of Swiss Registration No. 104,462, dated May 10, 1943.
For Drafting Machines.

Ser. No. 563,407. The Hays Corporation, Michigan City, Ind. Filed Aug. 14, 1948. (Sec. 2f as to "Hays.")

HAYS ACRATRON

For Electronic Type Recorder or Indicator in the Nature of a Self-Balancing Potentiometer.
Claims use since June 1, 1947.

Ser. No. 578,080. Walter Florin, doing business as Micro Essential Laboratory, Brooklyn, N. Y. Filed May 2, 1949.

pHydrion

The term "pH" is disclaimed.
For Testing Kits for the Qualitative and Quantitative Determination of the pH Value of Aqueous Solutions or Systems Containing Indicator Papers, Comparative Color Charts, and Containers.
Claims use since April 1937.

Ser. No. 585,521. The Frederick Post Company, Chicago, Ill. Filed Sept. 29, 1949.

DESIGNMASTER

For Encased Set of Instruments for Mechanical Drawing—Namely, Dividers, Pen and Pencil Compasses, and Ruling Pens.
Claims use since Aug. 12, 1949.

Ser. No. 597,054. W. E. Anderson, Inc., Kansas City, Mo. Filed May 8, 1950.

AND-O-METER

The term "Meter" and the representation of the valve and meter are disclaimed.
For Meters, Gauges, and Controlling Valves Having Meters as a Part Thereof for Indicating and Totalizing the Flow of Fluids or Gasses Through Conduits.
Claims use since Apr. 27, 1950.

Ser. No. 599,783. Murray Ronick, New York, N. Y. Filed June 26, 1950.

Tele Kiddie

For Combination Phonograph-Slide Projector.
Claims use since May 1, 1950.

Ser. No. 601,680. Lindberg Engineering Company, Chicago, Ill. Filed Aug. 3, 1950.

CUPELETS

For Refractory Crucibles for Analysis of Metals.
Claims use since Jan. 15, 1950.

Ser. No. 603,521. The Fibre Metal Products Company, Chester, Pa. Filed Sept. 14, 1950.

MONARCH

Applicant claims ownership of Registration No. 293,618.
For Welding Helmets, Welding Hand Shields, Glass for Same, Sand Blast Helmets, and Face Shields.
Claims use since May 29, 1931.

Ser. No. 608,331. Willson Products, Inc., Reading, Pa. Filed Jan. 3, 1951. (Sec. 2f.)

WILLSON

SPATTERPROOF

Applicant claims ownership of Registration No. 384,916.
For Plastic Cover Lenses for Goggles and Helmets.
Claims use since Jan. 24, 1939.

Ser. No. 609,586. Burleigh Brooks Co., New York, N. Y. Filed Feb. 3, 1951. (Sec. 2f.)

Schneider-Kreuznach

For Photographic Lenses.
Claims use since 1925.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 599,158. The Cuno Engineering Corporation, Meriden, Conn. Filed June 15, 1950.

MICRO-KLEAN

The word "Klean" is disclaimed. Applicant claims ownership of Registration No. 422,851.
For Mechanical Fluid Straining and Filtering Apparatus and Parts Thereof as Accessories for Filtering Liquids for Machinery and Engines.
Claims use since Dec. 13, 1944.

Ser. No. 601,310. Carrier Corporation, Syracuse, N. Y. Filed July 27, 1950. (Sec. 2f.)

Carrier

Applicant claims ownership of Registration No. 267,368.
For Mechanical Refrigeration Apparatus and Parts Thereof—Namely, Compressors and Condensing Units; Ice Makers for Bulb and Cube Ice; Refrigerated Display Cases; Water Coolers; Beverage Coolers; Forced Air Coolers for Preservative Purposes; Milk Coolers; Walk-In Coolers for Storage of Foods and Beverages; Food Freezers and Cooling Towers.
Claims use since 1915.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 544,940. United Metal Box Co., Inc., Brooklyn, N. Y. Filed Dec. 19, 1947.

For Steel Bath Room Cabinets Including Medicine and Utility Cabinets, and So Forth, for Steel Kitchen Cabinets, Including Base, Wall, Linen, Broom, Open Shelf, and Storage Cabinets, and So Forth, and Fillers for Such Kitchen Cabinets.
Claims use since 1925.

Ser. No. 563,046. Hall-Mack Company, Los Angeles, Calif. Filed June 15, 1948. (Sec. 2f.)

HALL-MACK

Applicant claims ownership of Registration No. 357,647.
For Medicine Cabinets.
Claims use since January 1934.

Ser. No. 563,913. Decar, Inc., Middleton, Wis. Filed Aug. 24, 1948.

Decarlite

For Hard, Flat Plastic Sheets, Cut to Size, Plain and Also Laminated to Wood, for Covering Table, Counter, and Cabinet Tops.
Claims use since July 15, 1946.

Ser. No. 574,051. Puritan Furniture Mfrs., Melrose, Mass. Filed Feb. 17, 1949.

Pioneer Maple

The word "Maple" is disclaimed.
For Wood Beds, Dressers, Chests of Drawers, Kneehole Desks, Chestrobes, Wardrobes, Vanities, and Night Stands.
Claims use since February 1939.

Ser. No. 575,176. Woodfair Manufacturing Company, Cincinnati, Ohio. Filed Mar. 9, 1949.

Woodfair

For General Line of Custom Furniture Manufactured for Commercial and Domestic Uses—Namely, End Tables, Coffee Tables, Cocktail Tables, Desks, Bureaus, Upholstered and Unupholstered Chairs, Upholstered and Unupholstered Couches, Dining Room Tables, Credenzas, Beds, and Kitchen Cabinets.
Claims use since Feb. 28, 1949.

Ser. No. 577,930. Armour and Company, doing business under the trade style Armour Curled Hair Works, Chicago, Ill. Filed Apr. 29, 1949. (Sec. 2f.)

ARMOUR'S

For Pads Containing Hair, Used for Cushions, Mattresses, and Upholstery.
Claims use since 1896.

Ser. No. 578,277. Nachman Corporation, Chicago, Ill. Filed May 5, 1949.

FLEXBRIDGE

For Spring Assemblies for Mattresses.
Claims use since Nov. 15, 1948.

Ser. No. 585,033. Chicago Metallic Manufacturing Co., Chicago, Ill. Filed Sept. 20, 1949.

SANI-SMOKER

The word "Smoker" is disclaimed.
For Tobacco Ash Receptacles of the Floor Type, Made of Base Metal and Composition Materials.
Claims use since Sept. 14, 1949.

Ser. No. 595,953. Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Filed Apr. 19, 1950. COLLECTIVE MARK.

Constellation

For Furniture—Namely, the Following Pieces of Furniture, To-Wit: Chests, Double Dressers, Ladies' Wardrobes, Hi-Chests, Hi-Chests With Mirror, Low Chests, Low Lid Chests, Wardrobe Units, Plank Headboard Beds, Cocktail Tables, Drop Leaf Tables, Double Top Game-Dinette Tables, Night Stands, Cane Back and Seat Side Chairs, Cane Back and Seat Arm Chairs, Slat Back Side Chairs, Lounge Arm Chair Upholstered, Chairs With One Arm, Lounge Side Chairs Upholstered, Cane Back Beds, Cane Headboard and Footboard Day Beds, Framed Mirrors, Low Drawer Chests, Corner Table-Cabinets, Lamp Tables, Step Tables, Card Tables, Kneehole Desks, Extension Tables, One-Drawer Bookcases, Swing Cane Back Beds, Buffets, Corner Record Cabinets, Vanities and Vanity Benches.
Claims use since Mar. 10, 1950.

Ser. No. 599,065. Guy B. Stasio, doing business under the firm name and style of Guy Millo Co., New York, N. Y. Filed June 10, 1950.

WANDA

For Mattresses.
Claims use since Feb. 28, 1950.

Ser. No. 601,188. Babyhood Industries, Inc., Worcester, Mass. Filed July 25, 1950.



For Baby Chairs and Tables.
Claims use since Jan. 1, 1950.

Ser. No. 601,831. J. E. King Manufacturing Co., Springfield, Mo. Filed Aug. 7, 1950.

WESTERN KING

For Bedroom Furniture—Namely, Beds, Chests of Drawers, Dressers, and Dresser Benches; Breakfast Room Furniture—Namely, Tables, Chairs, and Buffet-Cabinets; Living Room Furniture—Namely, Davenports and Chairs; Sofa-Bed Suites Comprised of Sofa-Beds, Chairs and Rockers.
Claims use since January 1950.

Ser. No. 606,129. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy

For Juvenile Furniture Consisting of Tables, Chairs, Beds, and Chests of Drawers.
Claims use since May 15, 1950.

Ser. No. 606,976. Jamestown Table Company, Jamestown, N. Y. Filed Nov. 27, 1950.

CHATEAU PROVINCIAL

The word "Provincial" is disclaimed.
For Furniture, More Particularly Dressers, Mirrors, Chests, Tables, Beds (Not Including Springs), Benches, Buffets, Servers, Cupboards, Chairs, Bookcases, and Commodes.
Claims use since Dec. 1, 1949.

Ser. No. 608,388. Curt Teich & Company, Chicago, Ill. Filed Jan. 4, 1951.

Ecee

For Metal Display Devices for Postcards, Picture Packs, Notepaper, and Other Printed and Unprinted Paper Products, Particularly for Use as Floor and Counter Display Devices in Retail Stores.
Claims use since Mar. 2, 1950.

Ser. No. 608,602. Garner & Co., New York, N. Y. Filed Jan. 10, 1951.

"COVER-ALL"

For Bathroom Utility Cabinets.
Claims use since Dec. 22, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 499,142. Murray Deodorisers Limited, Auckland, New Zealand. Original filed, act of 1905, Mar. 28, 1946; amended to application under act of 1946, Principal Register, Apr. 27, 1948.

VACREATOR

For Pasteurizers, and Machines for Heating and Cooling Liquid and Semi-Liquid Substances.
Claims use since Dec. 21, 1933; and since June 30, 1934, in commerce with the United States.

Ser. No. 568,025. Chambers Corporation, Shelbyville, Ind. Filed Nov. 2, 1948. (Sec. 2f.)

IN-A-TOP

For In-Built Combination Broiler and Griddle for a Gas Range.
Claims use since Dec. 2, 1931.

Ser. No. 591,981. Electro Refractories & Alloys Corporation, Buffalo, N. Y., now by change of name Electro Refractories & Abrasives Corporation, a corporation of Delaware. Filed Feb. 4, 1950.

TERCOD

For Refractory Crucibles for Metal Melting, and Pedestals for Supporting Such Crucibles While in a Furnace.
Claims use since June 1, 1919.

Ser. No. 598,405. Young Radiator Company, Racine, Wis. Filed May 31, 1950.

CC

The drawing is lined for red.
For Heat Transfer Units Having Batteries of Tubes Transversely Arranged in Air Channels Formed Between Closely-Spaced Metal Strips Supported on the Tubes Whereby a Fluid Passage Through the Tubes Is Disposed in Heat Exchange Relationship With a Fluid Passage Through the Air Channels for Use in Cooling Water, Gas, and/or Oil Involved in the Operation of All Kinds of Heat-Creating Equipment, Such as Gas, Gasoline, and Diesel Engines, Fluid Compressors, and in Condensing Steam and Petroleum Vapor.
Claims use since Dec. 8, 1949.

Ser. No. 599,048. Todd Shipyards Corporation, New York, N. Y. Filed May 6, 1950. (Sec. 2f.)

TODD

Applicant claims ownership of Registration No. 346,047.
For Oil Burners and Air Registers.
Claims use since January 1922.

Ser. No. 606,063. Tarrant Manufacturing Company, Saratoga Springs, N. Y. Filed Nov. 7, 1950.

TARCO

For Combined Tanks and Heating Medium for Heating Road Building Material.
Claims use since 1918.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 605,206. Excelsior Accordions, Inc., New York, N. Y. Filed Oct. 20, 1950.

accordiana

Applicant claims ownership of Registration No. 345,987.
For Accordions.
Claims use since March 1935.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,908. Tension Envelope Corporation, Kansas City, Mo. Original filed, act of 1905, Mar. 31, 1947; amended to application under act of 1946, Principal Register, Sept. 9, 1950.

LITE-RITE

For Mailing Envelopes.
Claims use since Jan. 6, 1947.

Ser. No. 526,156. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, Nov. 10, 1948. (Sec. 2f.)

Winter White

For Paper Tablets and Loose Paper for Drawing or Other Art Purposes, Put Up in Wrapped Packages, Boxes or Banded.
Claims use since 1921.

Ser. No. 527,236. Comfort Paper Corporation, San Francisco, Calif., assignor to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada. Filed July 5, 1947. (Sec. 2f.)

FAMILY-PAK

Applicant claims ownership of Registration No. 383,912.
For Toilet Tissue.
Claims use since Aug. 24, 1938.

Ser. No. 527,303. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed July 5, 1947. (Sec. 2f.)

FOLDUR

The mark consists of the word "Foldur."
For Envelope Paper.
Claims use since Dec. 26, 1933.

Ser. No. 553,358. Gaylord Bros., Inc., Syracuse, N. Y. Filed Mar. 30, 1948.



For Library Stationery—Namely, Cards for Library Use Such as Application Cards, Borrowers' Cards, Date Cards, Identification Cards, List Cards, Overdue Notice Cards, and Reserve Cards; Library Date Slips; Library Book Pockets; Guides for Library Catalogs; Guides for Library Trays, Such as Charging Trays; and Partially Printed Library Forms.
Claims use since Jan. 1, 1923.

Ser. No. 596,702. The American Crayon Company, Sandusky, Ohio. Filed May 2, 1950.

Hygo-Color

The word "Color" is disclaimed. Applicant claims ownership of Registration No. 396,973.
For Chalkboard Colored Crayons.
Claims use since Mar. 31, 1950.

Ser. No. 597,456. Clarence J. Peed, doing business as California Pencil Co., Hollywood, Calif. Filed May 15, 1950. (Sec. 2f.)

WILSHIRE

For Pencils.
Claims use since 1933.

Ser. No. 605,046. Orchard Paper Co., St. Louis, Mo. Filed Oct. 17, 1950.

HONEYCOMB

For Wrapping Paper.
Claims use since Mar. 15, 1946.

Ser. No. 606,132. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.



The name "Hopalong Cassidy" is wholly fictitious.
For Paper Table Cloths and Napkins.
Claims use since May 15, 1950.

Ser. No. 606,343. The Todd Company, Inc., Rochester, N. Y. Filed Nov. 13, 1950.



The word "Todd" is disclaimed. Applicant claims ownership of Registration No. 294,297.
For Pocket Check Covers, Commercial Pass Books, Savings Pass Books, Customer Check Covers, and Newport Check Covers.
Claims use since Sept. 15, 1950.

Ser. No. 606,461. Eversharp, Inc., Chicago, Ill. Filed Nov. 16, 1950.

Magnetic-eye

The word "Magnetic" is disclaimed.
For Desk Sets.
Claims use since Sept. 27, 1950.

Ser. No. 607,373. Bestpak Inc., Boston, Mass. Filed Dec. 7, 1950.



The word "Bak" is disclaimed.
For Sheet Lining Materials—Namely, Sheet Lining Made of Paper for Baking Receptacles.
Claims use since Nov. 30, 1950.

Ser. No. 607,917. The Alling & Cory Company, Rochester, N. Y. Filed Dec. 21, 1950.

Delphian Bond

The word "Bond" is disclaimed.
For Bond Paper, Watermarked or Plain.
Claims use since January 1923.

Ser. No. 609,506. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951. (Sec. 2f.)

DORCHESTER

For Printing Paper.
Claims use since 1931.

Ser. No. 609,508 Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951. (Sec. 2f.)

FLEMISH

For Printing Paper.
Claims use since 1915.

Ser. No. 609,509. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951. (Sec. 2f.)

HYDE PARK

For Printing Paper.
Claims use since 1915.

Ser. No. 609,511. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951. (Sec. 2f.)

SUMNER

For Printing Paper.
Claims use since 1936.

Ser. No. 609,514. Tileston and Hollingsworth Company, Boston, Mass. Filed Feb. 1, 1951. (Sec. 2f.)

BLUE HILL

For Printing and Writing Paper.
Claims use since 1915.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 555,148. Broadcasting Publications, Inc., Washington, D. C. Filed Apr. 21, 1948.

Telestatus Report

For Columns or Sections of Periodical Publications.
Claims use since Sept. 1, 1947.

Ser. No. 570,378. The Recordak Corporation, New York, N. Y. Filed Dec. 11, 1948.

RECORDAK

Applicant claims ownership of Registration No. 251,756.
For Photographic Prints and Enlargements.
Claims use since Mar. 1, 1946.

Ser. No. 574,928. Nils Gerhard Robert Scholdberg, doing business as Bokförlaget The Polyglot Club Schöldberg & Gustafsson, Stockholm, Sweden. Filed Mar. 4, 1949.



Applicant claims ownership of Swedish Registration No. 65,354, dated Nov. 12, 1948.
For Books for Learning Foreign Languages.

Ser. No. 581,137. Libby, McNeill & Libby, Chicago, Ill. Filed June 27, 1949.

FROM THE KITCHEN OF Mary Hale Martin

The name which is used as a part of the mark is a fictitious name. Applicant claims ownership of Registration No. 253,889.
For Pamphlets and Other Publications Issued From Time to Time.
Claims use since 1924.

Ser. No. 586,899. World Editions, Inc., New York, N. Y. Filed Oct. 26, 1949.

VISUALETTES

For Periodical Publications.
Claims use since Oct. 17, 1949.

Ser. No. 598,897. Diamond Sales Corporation, New York, N. Y. Filed June 10, 1950.



The representation of the child is merely fanciful and does not represent any particular living individual.
For Children's Magazine.
Claims use since May 1, 1950.

Ser. No. 599,086. Diamond Alkali Company, Cleveland, Ohio. Filed June 14, 1950.

Alka-Lines

For Employees' Publication Issued From Time to Time.
Claims use since February 1941.

Ser. No. 600,091. Technicolor Motion Picture Corporation, Los Angeles and Hollywood, Calif. Filed June 30, 1950.

Technicolor

Applicant claims ownership of Registrations Nos. 267,288 and 444,117.
For Publication Published From Time to Time.
Claims use since August 1947 in the form shown; and since April 1939 in another form.

Ser. No. 600,774. Samuel B. Gornbein, Los Angeles, Calif. Filed July 17, 1950.

Stork News

The word "News" is disclaimed.
For Printed Publication, Issued Monthly.
Claims use since March 1946.

Ser. No. 604,878. Ziff-Davis Publishing Company, Chicago, Ill. Filed Oct. 13, 1950.

AMAZING

Applicant claims ownership of Registration No. 511,026.
For Magazine.
Claims use since Oct. 2, 1950.

Ser. No. 605,344. American Furniture Sales Company, Cleveland, Ohio. Filed Oct. 24, 1950.

FRIEND OF THE FAMILY

For Advertising Pieces and Literature—Namely, Business Reply Cards, All Sold as Such and Directed to the Advertising of Various Merchandise and Issued and Distributed From Time to Time.
Claims use since Oct. 16, 1950.

Ser. No. 606,409. Automotive Advertisers Council, New Castle, Ind. Filed Nov. 15, 1950.

CARE WILL SAVE YOUR CAR

The words "Care Will Save Your Car" are disclaimed.
For Prepared Advertising in the Form of Trade Pamphlets and Circulars Sold as Such.
Claims use since Oct. 10, 1950.

Ser. No. 606,845. American Trade Publishing Company, New York, N. Y. Filed Nov. 24, 1950.

FEED Age

The word "Feed" is disclaimed.
For Periodical.
Claims use since Nov. 1, 1950.

Ser. No. 607,356. Signal Oil Company, Los Angeles, Calif. Filed Dec. 6, 1950.

Signal News

The word "News" is disclaimed.
For Periodical Publications Published and Distributed From Time to Time.
Claims use since April 1949.

Ser. No. 607,722. Sandoz Chemical Works, Inc., New York, N. Y. Filed Dec. 15, 1950.

MEDICAL Horizons

The word "Medical" is disclaimed.
For House Organ Containing News and Information of Interest to the Medical Profession.
Claims use since Oct. 1, 1950.

CLASS 39

CLOTHING

Ser. No. 539,294. Elliott Knitting Mills, Inc., Hickory, N. C. Filed Oct. 28, 1947. (Sec. 2f.)

Shur-fit

For Hosiery.
Claims use since Mar. 15, 1923.

Ser. No. 550,533. Rand Rubber Company, Inc., Brooklyn, N. Y. Filed Feb. 25, 1948. (Sec. 2f.)

Randfilm

Applicant claims ownership of Registration No. 410,983.
For Baby Pants.
Claims use since September 1943.

Ser. No. 600,605. M. K. M. Hosiery Mills, Inc., Boston, Mass. Filed July 13, 1950.

TRUMP

The word "Trump" and the outlines of the heart and diamond are lined for the color orange.
For Ladies' Hosiery.
Claims use since May 15, 1950.

Ser. No. 600,730. McDougall & Cassou Men's Shop, Inc., Phoenix, Ariz. Filed July 15, 1950. (Sec. 2f.)

McDougall & Cassou

For Men's Suits, Trousers, and Hats.
Claims use since Jan. 2, 1920.

Ser. No. 601,465. Reamstown Hosiery Mills, Inc., Mohnton, Pa. Filed July 29, 1950.

Pyramette

For Ladies' Hosiery.
Claims use since Apr. 25, 1950.

Ser. No. 603,859. Saluda Corporation, New York, N. Y. Filed Sept. 21, 1950.

SALUDA

For Men's Under Shorts.
Claims use since May 22, 1945.

Ser. No. 608,195. Burcon Hosiery Mills, Inc., Burlington, N. C. Filed Dec. 29, 1950.

Johnwood

For Women's Hosiery.
Claims use since Nov. 7, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 586,402. Diadem, Inc., Leominster, Mass. Filed Oct. 17, 1949.

ZIP GRIP

The word "Grip" is disclaimed.
For Barrettes.
Claims use since Sept. 12, 1949.

Ser. No. 607,874. John D. Sullivan, doing business as Knee Chaps, Carlsbad, N. Mex. Filed Dec. 19, 1950.

KNEE CHAPS

The word "Knee" is disclaimed.
For Decorative Patch To Be Applied to the Knee Part of New or Worn Children's and Youths' Jeans or Overalls.
Claims use since Oct. 25, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 587,270. Lawndale Specialties Co., Evanston, Ill. Filed Nov. 3, 1949.

PADDY-GRIP

For Bath Mitts.
Claims use since August 1948.

Ser. No. 604,789. Mandee Fabrics, Inc., New York, N. Y. Filed Oct. 12, 1950.

MARVILLADO

For Textile Fabrics, in the Piece, Comprised of Cotton, Rayon, Wool, Silk, Nylon, and Combinations Thereof.
Claims use since Mar. 15, 1950.

Ser. No. 612,392. D. B. Fuller & Co., Inc., New York, N. Y. Filed Apr. 9, 1951.

SUNNYSIDE

For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Mar. 27, 1950.

Ser. No. 612,677. The Bombay Dyeing & Manufacturing Co. Ltd., Bombay, India. Filed Apr. 16, 1951.

TOWERS OF STRENGTH

For Cotton Piece Goods.
Claims use since 1938; and since Sept. 20, 1950, in commerce between foreign nations and the United States.

Ser. No. 612,678. The Bombay Dyeing & Manufacturing Co. Ltd., Bombay, India. Filed Apr. 16, 1951.

TEXSPRING

For Cotton Piece Goods.
Claims use since 1938; and since Sept. 20, 1950, in commerce between foreign nations and the United States.

Ser. No. 612,701. Pepperell Manufacturing Company, Boston, Mass. Filed Apr. 16, 1951.

Peeress

Applicant claims ownership of Registration No. 279,709.
For Blankets.
Claims use since July 15, 1940.

Ser. No. 612,813. Mooresville Mills, Inc., Mooresville, N. C. Filed Apr. 18, 1951.

CACTUS

For Cotton Piece Goods.
Claims use since Mar. 21, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 607,482. S. Brustein, New York, N. Y. Filed Dec. 9, 1950.

WOOLCARA

For Yarn Blends of Wool and "Vicara."
Claims use since Oct. 20, 1950.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 530,117. Peter Paul, Inc., Naugatuck, Conn. Filed July 31, 1947.

Coconettos

Applicant claims ownership of Registration No. 270,450.
For Candy.
Claims use since June 18, 1947.

Ser. No. 554,967. Exeter Orange Growers Association, also doing business as Cooperative Citrus Association, Exeter, Calif. Filed Apr. 19, 1948.

HIGH BALL

For Fresh Citrus Fruits.
Claims use since 1915.

Ser. No. 554,995. Joseph Middleby Jr. Inc., Boston, Mass. Filed Apr. 19, 1948.

MIDDLE

Applicant claims ownership of Registration No. 87,903.
For Fruit Jelly, Bread Mixes, Moist Type and Powdered Fruit Fillings Used in the Making of Pies and Pastries, Fruit Jams, Fruit Preserves, Marmalades, Fruit Toppings Used for Cakes and Other Types of Bakery Goods, Icings, Chocolate and White Fudge Bases for Icings, Glaced Fruits, Soda Fountain Fruits, Butterscotch and Caramel Sauces Used as Toppings for Ice Cream or as a Flavoring Base for Ice Creams, Cake Mixes, Cookie Mixes, Doughnut Mixes, Pastry Cream Mixes, Gelatin, Cocoa, Chocolate Powder, Corn Syrup, Honey, Ginger Root, Walnut Meats, Dry Milk Solids, Lime Juice for Food Purposes, Flavoring Oils for Food Purposes—Namely, Oil of Anise, Oil of Sweet Birch, Oil of Cassia, Oil of Cloves, Oil of Lemon, Oil of Limes, Oil of Mace, Oil of Sweet Orange, Oil of Peppermint, Oil of Sassafras, Oil of Spearmint—Extracts and Emulsions for Food Purposes, Imitation Food Flavors—Namely, Imitation Butter Flavor in Powdered Form, Spice Flavor in Liquid Form, and Artificial Rum Flavor All Used in the Baking Industry—Marshmallow, Gelatin Desserts, Baking Soda, Canned Fruits, and Fruit Flavoring for Sherbets and Ice Cream Made From Fruit Juices, Sugar, and With or Without Whole or Comminuted Fruit or Added Flavoring.
Claims use since 1916.

Ser. No. 560,363. Southeastern Mills, Inc., Rome, Ga. Filed June 28, 1948. (Sec. 2f.)

GOOD LOAF

For Self-Rising Wheat Flour.
Claims use since 1934.

Ser. No. 565,934. Jaffe Candy Co., also doing business as Rosa Lee Candy Co., Los Angeles, Calif. Filed Sept. 27, 1948.

Chevy Chase

For Candy.
Claims use since November 1938.

Ser. No. 568,442. Robert Orr & Co., Inc., Nashville, Tenn., assignor, by mesne assignments, to Robert Orr & Company, Nashville, Tenn., a corporation of Tennessee. Filed Nov. 9, 1948.

HERMITAGE

For Packaged Foods—Namely, Canned Shrimp, Canned Oysters, Canned Salmon, Canned Okra, Canned Corn, Canned Blue Lake Beans, Canned Beans With Potatoes, Canned Carrots, Canned Kale Greens, Canned Mustard Greens, Canned Onions, Canned Crowder Peas, Canned Potatoes, Canned Sweet Potatoes, Canned Asparagus, Canned Spinach, Canned Turnip Greens, Canned Sauerkraut, Canned Peas and Carrots, Canned Black-Eyed Peas, Canned Red Kidney Beans, Canned Hominy, Canned Tomatoes, Canned Beets, Canned Stringless Beans, Canned Lima Beans, Canned Peas, Canned Beans With Pork, Canned Tomato Puree, Tomato Catsup, Canned Pimentos, Chili Sauce, Canned Apricots, Canned Fruit Cocktail, Canned Peaches, Canned Pickled Peaches, Canned Fruits for Salad, Canned Prune Plums, Canned Pears, Canned Royal Ann Cherries, Canned Red Cherries, Canned Pineapple, Canned Apples, Canned Apple Sauce, Pineapple Juice, Canned Cranberry Sauce, Canned Tomato Soup, Canned Spaghetti With Cheese and Tomato Sauce, Lemon Extract for Food Purposes, Vanilla Extract for Food Purposes, Orange Extract for Food Purposes, Almond Extract for Food Purposes, Rolled Oats, Coffee, Tea, Canned Grapefruit, Grapefruit Juice, Tomato Juice, Orange Juice, Canned and Bottled Olives, Canned and Bottled Stuffed Olives, Corn Syrup, Flavored Gelatin Dessert, Jams, Preserves (Peach, Damson, Pineapple, Blackberry, Cherry, Strawberry, Grape), Jellies (Peach, Damson, Pineapple, Blackberry, Cherry, Strawberry, Grape).
Claims use since Jan. 1, 1902.

Ser. No. 571,125. Etiwanda Citrus Fruit Association, Etiwanda, Calif. Filed Dec. 27, 1948.

CREST

For Fresh Citrus Fruits.
Claims use since 1912.

Ser. No. 571,538. Helms Bakeries, Los Angeles, Calif. Filed Jan. 3, 1949.

OLYMPIC WINNER

For Bakery Goods—Namely, Bread, Rolls, Cakes, Pies, Cookies, Crackers, and Doughnuts.
Claims use since May 1, 1931.

Ser. No. 574,048. Henry W. Peabody & Co., Inc., Seattle, Wash., assignor to Peabody American, Inc., New York, N. Y., a corporation of New York. Filed Feb. 17, 1949.

Your Lucky Star

For Canned Lobster and Canned Fruit Cocktail.
Claims use since Feb. 17, 1948.

Ser. No. 577,119. Hostess Products Corp., Long Island City, N. Y. Filed Apr. 14, 1949.

HOSTESS—PLAZA

For Mayonnaise.
Claims use since Feb. 19, 1937.

Ser. No. 589,617. Puretex Lemon Juice, Inc., Raymondville, Tex. Filed Oct. 7, 1949.

PURETEX

For Bottled Lemon Juice and Bottled Lime Juice.
Claims use since June 1947.

Ser. No. 589,702. American Stores Company, Philadelphia, Pa. Filed Dec. 21, 1949.

Richland

For Butter.
Claims use since 1917.

Ser. No. 593,498. Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Filed Mar. 6, 1950.

"JUMBLED JUMBO"

The word "Jumbo" is disclaimed.
For Frozen Shrimp.
Claims use since Jan. 14, 1949.

Ser. No. 593,880. Northern Valley Packing Corporation, Hollandale, Minn. Filed Mar. 13, 1950.

NOR-VAL

For Raw Potatoes.
Claims use since Nov. 2, 1946.

Ser. No. 597,432. Chase Candy Company, St. Louis, Mo. Filed May 15, 1950.

Nickel Naks

The word "Nickel" is disclaimed.
For Candy.
Claims use since Mar. 27, 1950.

Ser. No. 598,644. General Foods Corporation, New York, N. Y. Filed June 6, 1950.



Applicant claims ownership of Registrations Nos. 21,792, 44,639, and 103,276.
For Baking Powder.
Claims use since August 1939.

Ser. No. 598,646. General Foods Corporation, New York, N. Y. Filed June 6, 1950.

CALUMET

Applicant claims ownership of Registrations Nos. 21,792, 44,639, and 103,276.
For Baking Powder.
Claims use since August 1939.

Ser. No. 602,542. Bear-Stewart Co., Chicago, Ill. Filed Aug. 22, 1950.

TEMPTATION

Applicant claims ownership of Registration No. 268,567
For Devil's-Food Cake Mixture.
Claims use since Mar. 3, 1921.

Ser. No. 603,245. Lindsey-Robinson & Company, Inc., Roanoke, Va. Filed Sept. 7, 1950. (Sec. 2f as to "Lindsey-Robinson.")



The drawing is lined for red and green. The words "Quality Roanoke" and the representation of the tag are disclaimed.
For Poultry and Livestock Feeds Consisting of Grains and Other Ingredients; and Dairy Rations Comprised of Soy Bean Oil Meal, Peaunt Oil Meal, Cotton Seed Meal, and Other Ingredients.
Claims use since September 1941.

Ser. No. 603,306. Penick & Ford, Ltd., Incorporated, New York, N. Y. Filed Sept. 8, 1950. (Sec. 2f.)

PENICK

Applicant claims ownership of Registrations Nos. 54,577 and 384,809.
For Corn Oil Used for Salads and Cooking Purposes.
Claims use since 1921.

Ser. No. 605,584. The R. M. Haan Candy Co., Inc., Long Island City, N. Y. Filed Oct. 30, 1950. (Sec. 2f.)

R.M.HAAN

The name R. M. Haan is that of a deceased person, the founder of the business of applicant's predecessor.
For Chocolates and Bonbons.
Claims use since Nov. 1, 1922.

Ser. No. 606,533. Lindt & Sprungli, Inc., New York, N. Y. Filed Nov. 17, 1950.

SUVRETTA

For Chocolate Candy.
Claims use since Sept. 25, 1950.

Ser. No. 607,297. Pacific Gamble Robinson Company, doing business as Pacific Fruit & Produce Co., Seattle, Wash. Filed Dec. 5, 1950.



For Fresh Vegetables.
Claims use since Apr. 5, 1948.

Ser. No. 607,758. The Lancaster Wholesale Grocery Company, Incorporated, Lancaster, Pa. Filed Dec. 16, 1950.

Ole Barrel BRAND

The word "Brand" is disclaimed.
For Table Syrup.
Claims use since Nov. 27, 1950.

Ser. No. 608,018. Albert Rossi, doing business as Al Rossi, Gilroy, Calif. Filed Dec. 22, 1950.



The portrait is fanciful.
For Fresh Vegetables.
Claims use since Feb. 20, 1924.

Ser. No. 608,546. Jerome Kantro, doing business as Jerome Kantro Co., Salinas, Calif. Filed Jan. 9, 1951.

FAVOR

For Fresh Vegetables.
Claims use since Aug. 12, 1950.

Ser. No. 608,951. Wm. G. Roe & Sons, Winter Haven, Fla. Filed Jan. 18, 1951.



The drawing is lined for red and green and stippled for shading purposes only. Applicant claims ownership of Registration No. 177,883.
For Fresh Citrus Fruits.
Claims use since Dec. 29, 1922.

Ser. No. 609,049. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Jan. 20, 1951.

FIESTA

For Prepared Mix Comprising Flour and Other Ingredients for the Making of Sweet Baked Goods.
Claims use since Nov. 1, 1950.

Ser. No. 609,293. Green Giant Company, Le Sueur, Minn. Filed Jan. 27, 1951.

April Showers

Applicant claims ownership of Registration No. 337,621.
For Canned Asparagus and Canned Corn.
Claims use since June 10, 1940.

Ser. No. 609,297. Growers & Packers Cooperative Canning Co., Inc., North Collins, N. Y. Filed Jan. 26, 1951.
The word "Pak" is disclaimed. Applicant claims ownership of Registration No. 321,246.

GRO-PAK

For Frosen Berries, Canned Vegetables, Canned Berries, and Canned Tomato Juice.
Claims use since Oct. 9, 1934.

CLASS 47

WINES

Ser. No. 547,226. Bisceglia Brothers Wine Co., Fresno, Calif. Filed Jan. 16, 1948.

Triple Treat

For Wines.
Claims use since Jan. 8, 1946.

Ser. No. 588,513. F. Pirrone & Sons, Inc., Garfield, N. J. Filed Nov. 29, 1949. (Sec. 2f as to "Pirrone's.")

P
Pirrone's
Vincordia

Applicant claims ownership of Registrations Nos. 392,443 and 506,944.
For Wines.
Claims use since Aug. 1, 1949, as to the mark shown; and since Oct. 1, 1939, as to the word "Pirrone's."

Ser. No. 596,840. Ben R. Goltsman, Ltd., Montgomery, Ala. Filed May 4, 1950.



The word "Sweet" is disclaimed. The portrait is fanciful.
For Wines.
Claims use since Dec. 1, 1946.

Ser. No. 605,320. Monarch Wine Company of Georgia, Atlanta, Ga. Filed Oct. 23, 1950.

Bill Robinson's
Bojangles

The individual whose name is used as a part and parcel of the trade-mark is a deceased theatrical celebrity.
For Wines.
Claims use since Apr. 6, 1950.

Ser. No. 605,321. Monarch Wine Co. of Georgia, Atlanta, Ga. Filed Oct. 23, 1950.

YISHUV

For Wines.
Claims use since Nov. 14, 1949.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 604,200. H & H Distributing Company, Inc., Chicago, Ill. Filed Sept. 29, 1950.

TOM HANNAH

The name "Tom Hannah" is fanciful. Applicant claims ownership of Registration No. 409,724.

For Whiskey.

Claims use since 1873.

Ser. No. 607,738. The Calvert Distilling Co., New York, N. Y. Filed Dec. 16, 1950. (Sec. 2f.)

Calvert

Applicant claims ownership of Registrations Nos. 315,452, 317,871, 320,196, 326,442, 326,443.

For Alcoholic Beverages—Namely, Whiskey and Gin.

Claims use since 1893.

Ser. No. 608,235. Carstairs Bros. Distilling Co., Inc., New York, N. Y. Filed Dec. 30, 1950. (Sec. 2f.)

CARSTAIRS

Applicant claims ownership of Registrations Nos. 318,816 and 334,266.

For Alcoholic Beverages—Namely, Whiskey.

Claims use since 1893.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 537,619. Pitkin, Inc., Newark, N. Y. Filed Oct. 11, 1947.

Linda Lee

The trade-mark is fanciful. Applicant claims ownership of Registration No. 515,888.

For Cologne, Dusting Powder, Face Powder, Lipstick, Rouge, Nail Polish, a Chemical in Liquid Form for the Removal of Nail Polish, a Chemical in Liquid Form for the Removal of the Outer Layer of Skin Around the Fingernail, Cleansing Cream, Night Cream, Foundation Cream, Perfume, Skin Freshener, Skin Lotion, Personal Deodorant, Body Powder, a Chemical in Liquid Form for Conditioning the Scalp, Hair Dressing and Hair Setting Lotion, Hand Cream, and Liquid Leg Make-Up.

Claims use since November 1933.

Ser. No. 600,115. Botany Mills, Inc., Passaic, N. J. Filed July 1, 1950.



The words "Mills, Inc." and "Passaic, N. J." are disclaimed. Applicant claims ownership of Registrations Nos. 376,810 and 405,806.

For Lanolin Lotion, Suntan Lotion, Toilet Cream, Toilet Cream in Wafer Form, Face Powder, Face Powder in Compact Form, Lipsticks and Rouge.

Claims use since May 17, 1950.

Ser. No. 609,248. Maybelline Co., Chicago, Ill. Filed Jan. 25, 1951.

Maybelline

Applicant claims ownership of Registration No. 393,492.

For Mascara, Eyebrow Pencils, Eye Shadow, and Eyelash and Eyebrow Cream.

Claims use since May 5, 1920.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 568,232. Bathasweet Corporation, New York, N. Y. Filed Nov. 5, 1948.

FOREST PINE

The word "Pine" is disclaimed. Applicant claims ownership of Registration No. 177,208.

For Toilet Soap.

Claims use since 1941.

Ser. No. 579,991. Metropolitan Refining Co., Inc., New York, and Long Island City, N. Y. Filed June 4, 1949. (Sec. 2f.)

DRAINKLEEN

For Drain Pipe Solvent Compound.

Claims use since 1929.

Ser. No. 581,793. Armour and Company, Chicago, Ill. Filed July 12, 1949.

TRYCE

For Synthetic Detergent for Laundering Purposes and Other General Household Cleaning Purposes.

Claims use since May 16, 1949.

Ser. No. 582,675. Colgate-Palmolive-Peet Company, Jersey City, N. J. Filed July 29, 1949.

FAB

The blue background is disclaimed. The drawing is lined for blue and red. Applicant claims ownership of Registration No. 139,710.

For Sudsing Cleaner, Cleanser and Detergent.

Claims use since Apr. 24, 1948.

Ser. No. 598,022. Raymond Laboratories, Inc., St. Paul, Minn. Filed May 24, 1950.

new ray

Applicant claims ownership of Registrations Nos. 329,191 and 535,628.

For Preparations for the Treatment of Hair—Namely, Shampoos.

Claims use since Jan. 4, 1949.

Ser. No. 598,608. Leon C. Schrack, doing business as Columbia Products Co., Columbus, Ohio. Filed June 5, 1950.

shrako

For General Purpose Soapless Detergent.

Claims use since July 23, 1947.

Ser. No. 599,939. General Biochemicals, Inc., Chagrin Falls, Ohio, now by change of name Chagrin Falls Chemicals, Inc., a corporation of Ohio. Filed June 29, 1950.

PALMATIC

For Detergent for Laundry Uses.

Claims use since June 1, 1950.

Ser. No. 603,059. The Emil Greiner Company, New York, N. Y. Filed Sept. 1, 1950.

AQUET

For Surface Active Agent Solution for Dilution Into Solutions for Cleaning Glassware and Utensils.

Claims use since August 1948.

Ser. No. 607,821. Francis H. Leggett & Company, New York, N. Y. Filed Dec. 18, 1950.

Varick

For Soap Powder, Household Cleanser, and Dishwashing Compound.

Claims use since 1930.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 538,910. Louis Napolitan, doing business as M. Louis, New York, N. Y. Filed June 10, 1948.



For Consulting Services on Art to Department Stores in the Styling of Hair and to Department Stores in the Fashion and Design of Women's Clothing and Accessories, Pictures, Perfumes, and Cosmetics.

Claims use since May 10, 1948.

Ser. No. 600,937. Gripsholm Restaurant Inc., New York, N. Y. Filed July 20, 1950.

GRIPSHOLM

For Catering of Food and Beverages.

Claims use since Feb. 8, 1935.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 596,423. Henri, Hurst & McDonald, Inc., Chicago, Ill. Filed Apr. 27, 1950.



The words "Movies for Kids" are disclaimed.

For Advertising Goods and Services of Others Through the Medium of a Television Program.

Claims use since Dec. 3, 1949.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 529,107. W. O. Strausbaugh Motor Company, Youngstown, Ohio. Filed July 21, 1947. (Sec. 2f.)



The words "Scientific Service" are disclaimed.

For Servicing Motor Vehicles—Namely, Lubricating, Washing, and Polishing, Undercoating, Repairing, Rebuilding and Reconditioning Comprising Painting and Body Repairs.

Claims use since May 15, 1940.

CLASS 106

MATERIAL TREATMENT

Ser. No. 539,338. National Photo Service & Supply Co., Inc., Appomattox, Va. Filed Oct. 28, 1947.

Fotoware

For Reproducing Photographs Upon Various Articles of Manufacture.

Claims use since Sept. 12, 1947.

Ser. No. 596,381. American Lumber & Treating Co., Chicago, Ill. Filed Apr. 27, 1950.

WOLMANIZED

Applicant claims ownership of Registrations Nos. 343,283 and 523,463.

For Chemically Impregnating Forest Products for Preservation and Fire Resistance.

Claims use since 1925.

Ser. No. 596,382. American Lumber & Treating Co., Chicago, Ill. Filed Apr. 27, 1950.

WOLMANIZED A-L-T

Applicant claims ownership of Registrations Nos. 343,283 and 523,463.

For Chemically Impregnating Forest Products for Preservation and Fire Resistance.

Claims use since 1934 as to the mark shown; and since 1925 as to "Wolmanized."

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,574. Knitted Articles—Namely, Men's, Women's, and Children's Sweaters, Slacks, Skirts, Jackets, and Bathing Suits. Ruepp & Co. Ltd., Sarmenatorf, Switzerland.
Filed May 3, 1947, Serial No. 521,826. Published June 12, 1951. Class 39.

444,575. Mattresses and Box Springs. Adam Wuest, Inc., Cincinnati, Ohio.
Filed May 12, 1947, Serial No. 522,248. Published Aug. 15, 1950. Class 32.

444,576. Duplicators—Namely, Hand Operated Stencil Inking Machines. Clifford E. Souders, Rockford, Ill., assignor to himself, Emmett W. Haas and Esther C. Haas, Rockford, Ill., as co-owners.
Filed June 3, 1947, Serial No. 523,486. Published June 19, 1951. Class 23.

444,577. Clothing for Men, Women, and Children—Namely, Anklets, Aprons for Household Wear, Etc. The H. & S. Pogue Company, Cincinnati, Ohio.
Filed June 5, 1947, Serial No. 523,584. Published June 19, 1951. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

548,897. Empty Glass Perfume Flacons Fitted in a Metal Case Made of Brass or Precious Metal. Mary Dunhill, Inc., New York, N. Y.
Original filed, act of 1905, Feb. 5, 1946; amended to application under act of 1946, Principal Register, Jan. 30, 1948, Serial No. 496,017. Published Dec. 5, 1950. Class 2.

548,898. Metal Windows, Window Frames, and Doors. Trim-Set Corporation, Seattle, Wash.
Original filed, act of 1905, Oct. 18, 1946; amended to application under act of 1946, Principal Register, July 15, 1947, Serial No. 511,117. Published Jan. 11, 1949. Class 12.

548,899. Sudsing Cleaner, Cleanser, and Detergent. The Procter & Gamble Company, Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 527,719. Published May 1, 1951. Class 52.

548,900. Acoustically Treated Booths for the Isolation of Noise. Burgess-Manning Company, Libertyville, Ill.
Filed July 5, 1947, Serial No. 527,800. Published Aug. 31, 1948. Class 32.

548,901. Deodorized Naphthas for Industrial Purposes. Anderson-Prichard Oil Corporation, Oklahoma City, Okla.
Filed Aug. 27, 1947, Serial No. 532,544. Published June 26, 1951. Class 6.

548,902. Gas Meters and Parts Thereof, Etc. American Meter Company, New York, N. Y.
Filed Sept. 9, 1947, Serial No. 533,829. Published Apr. 26, 1949. Class 26.

548,903. Gas Meters and Parts Thereof, Calorimeters, Orifice and Other Rate of Flow Meters for Liquids, and Parts of Such Rate of Flow Meters for Liquids. American Meter Company, New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,490. Published Apr. 3, 1951. Class 26.

548,904. Plastic Refractory Concrete. Mexico Refractories Company, Mexico, Mo.
Filed Nov. 21, 1947, Serial No. 541,947. Published June 12, 1951. Class 12.

548,905. Crackers. The Southwest Cracker Company, Wichita, Kans.
Filed Nov. 28, 1947, Serial No. 542,674. Published Mar. 20, 1951. Class 46.

548,906. Burettes, Graduated Test Bottles and Test Tubes, Etc. ChemTrol Industries, Inc., Philadelphia, Pa.
Filed Dec. 4, 1947, Serial No. 543,272. Published June 26 1951. Class 26.

548,907. Kits for Developing and Printing Photographs, Etc. The FR Corporation, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,490. Published June 26, 1951. Class 26.

548,908. Men's, Young Men's and Students' Suits, Overcoats, Topcoats, Pants, and Sport Jackets. Charles A. Steinberg, Inc., New York, N. Y.
Filed Jan. 17, 1948, Serial No. 547,371. Published July 10, 1951. Class 39.

548,909. Mattresses, Sofas, Divans, Box Springs, Inner Springs for Mattresses, Pillows, Day-Beds, Studio Couches, Couches, and Beds. Honorbilt Products, Inc., Philadelphia, Pa.
Filed Feb. 27, 1948, Serial No. 550,696. Published June 26, 1951. Class 32.

548,910. Musical Instruments—Namely, Clarinets, Bass Clarinets, Alto Clarinets, Oboes, Bassoons, Flutes, Piccolos, Cornets, Trumpets, Trombones, Saxophones, Baritone Horns, Mellophones, Alto Horns, Sousaphones, and Piano Accordions. Maxwell Meyers, Inc., San Antonio, Tex.
Filed Mar. 19, 1948, Serial No. 552,473. Published July 17, 1951. Class 36.

548,911. Machine Tools and Shop Tools, Etc. Spojené Továrny na Obráběcí Stroje, Národní Podnik, also doing business under the name United Machine Tool Factories, National Corporation, Prague, Czechoslovakia
Filed Apr. 9, 1948, Serial No. 554,266. Published June 19, 1951. Class 23.

548,912. Mattress Springs, More Particularly Mattress Inner-Spring Units, for Bedding. Comfort Spring Corporation, Baltimore, Md.
Filed Apr. 12, 1948, Serial No. 554,366. Published June 26, 1951. Class 32.

548,913. Various Articles of Clothing—Namely, Women's and Girls' Sweaters, Etc. The Elder & Johnston Company, Dayton, Ohio.
Filed Apr. 26, 1948, Serial No. 555,598. Published May 8, 1951. Class 39.

548,914. Mechanically Grooved Phonograph Records for Mechanical Reproduction. Spire Records Company, Inc., Chicago, Ill.
Filed May 29, 1948, Serial No. 558,175. Published July 10, 1951. Class 36.

548,915. Piano Actions, Piano Keys, and Piano Plates. Pratt, Read & Company, Incorporated, Ivoryton, Conn.
Filed June 4, 1948, Serial No. 558,509. Published July 17, 1951. Class 36.

548,916. General Purpose and Heavy Duty Industrial Pumps, Etc. Mission Manufacturing Company, Houston, Tex.
Filed June 11, 1948, Serial No. 559,040. Published June 19, 1951. Class 23.

548,917. Adjustable Clock Timer for Cooking Stoves. Sears, Roebuck and Co., Chicago, Ill.
Filed June 16, 1948, Serial No. 559,333. Published Mar. 7, 1950. Class 26.

548,918. Cut Pile Fabrics, Loop Pile Fabrics, Tapestries, Brocatelles, Furniture Satins, and All-Cotton Mattresses. La France Industries, New York, N. Y.
Filed July 8, 1948, Serial No. 560,901. Published July 10, 1951. Class 42.

548,919. Automotive Material Handling Apparatus Particularly Adapted for Construction, Etc. Mixermobile Manufacturers, Portland, Oreg.
Filed July 14, 1948, Serial No. 561,325. Published June 19, 1951. Class 23.

548,920. Building Paper. Blake, Moffitt & Towne, San Francisco, Calif.
Filed July 30, 1948, Serial No. 562,530. Published June 12, 1951. Class 12.

548,921. Gas Analyzer in Which the Magnetic Properties of Oxygen Are Measured for Determining the Percentage of Oxygen Present in a Sample. The Hays Corporation, Michigan City, Ind.
Filed Aug. 14, 1948, Serial No. 563,408. Published June 5, 1951. Class 26.

548,922. Lubricating Oils and Greases and Waxes Derived From Petroleum. Sun Oil Company, Philadelphia, Pa.
Filed Sept. 23, 1948, Serial No. 565,737. Published June 26, 1951. Class 15.

548,923. End Tables, Folding Chairs, Tables for Household and Office Use. Superior Table Novelties Corporation, Brooklyn, N. Y.
Filed Oct. 7, 1948, Serial No. 566,669. Published July 3, 1951. Class 32.

548,924. Apparatus for Testing, Analyzing, and Synchronizing Internal Combustion Engines, Etc. Allen Electric and Equipment Company, Kalamazoo, Mich.
Filed Oct. 29, 1948, Serial No. 567,841. Published June 5, 1951. Class 26.

548,925. Safety Headgear—Namely, Hats, Caps, and Helmets. E. D. Bullard Company, San Francisco, Calif.
Filed Nov. 1, 1948, Serial No. 567,946. Published June 12, 1951. Class 39.

548,926. Steel Angles for Buildings, Etc. The Donley Brothers Company, Cleveland, Ohio.
Filed Nov. 12, 1948, Serial No. 568,592. Published June 19, 1951. Class 12.

548,927. Mechanically Grooved Records. Coral Records, Inc., New York, N. Y.
Filed Nov. 13, 1948, Serial No. 568,718. Published July 17, 1951. Class 36.

548,928. Mirrors for Installation on Doors and Furniture. Hooker Glass & Paint Mfg. Co., Chicago, Ill.
Filed Dec. 29, 1948, Serial No. 571,272. Published July 3, 1951. Class 32.

548,929. Insulating Batts, Granular Insulation, and Fibrous Insulation. Minnesota and Ontario Paper Company, Minneapolis, Minn.
Filed Dec. 30, 1948, Serial No. 571,341. Published June 12, 1951. Class 12.

548,930. Women's and Children's Felt Hats and Felt Caps. Benay Albee Novelty Co., Brooklyn, N. Y.
Filed Feb. 12, 1949, Serial No. 573,754. Published July 3, 1951. Class 39.

548,931. Electrical Instrument Equipped With an Optical System for Visibly Recording Variations of Electric Current, Etc. Heiland Research Corporation, Denver, Colo.
Filed Feb. 15, 1949, Serial No. 573,880. Published June 5, 1951. Class 26.

548,932. Women's and Misses' Cotton Dresses. The Rosebud Housewear Corp., New York, N. Y.
Filed Feb. 15, 1949, Serial No. 573,896. Published May 30, 1950. Class 39.

548,933. Cameras Used for Making a Photographic Record of Contestants Crossing a Given Line of a Race. Photochart, Hollywood, Calif.
Filed Mar. 1, 1949, Serial No. 574,727. Published July 10, 1951. Class 26.

548,934. Photographic and X-Ray Film Processing Clamp. Charles B. Kamiss, doing business under the trade name of Kamiss Manufacturing Company, Whitestone, N. Y.
Filed Mar. 2, 1949, Serial No. 574,778. Published July 3, 1951. Class 26.

548,935. Cooking Thermometers Sold as Sets in Containers. The Ohio Thermometer Co., Inc., Springfield, Ohio.
Filed Mar. 3, 1949, Serial No. 574,857. Published July 3, 1951. Class 26.

548,936. Telescopically Adjustable Metallic Props for Supporting Clothes Lines. New Holland Machine Company, doing business as New Holland Metals Company, New Holland and Mountville, Pa.
Filed Apr. 1, 1949, Serial No. 576,467. Published July 10, 1951. Class 24.

548,937. Women's Coats. Levy Bros. & Adler Rochester, Inc., Rochester, N. Y., assignor to Handmacher-Vogel, Inc., New York, N. Y.
Filed Apr. 5, 1949, Serial No. 576,834. Published Apr. 18, 1950. Class 39.

548,938. Ribbons in Cut Lengths, Etc. Switzer Brothers, Inc., Cleveland, Ohio.
Filed Apr. 23, 1949, Serial No. 577,618. Published July 10, 1951. Class 40.

548,939. Series of Shadow Motion Picture Films. Etta Mae Wallace, San Diego, Calif.
Filed Apr. 23, 1949, Serial No. 577,624. Published July 3, 1951. Class 26.

548,940. Metallic Coil Springs and Assemblies Thereof for Use in Mattresses and Furniture Seats. Owen Silent Spring Company, Inc., Bridgeport, Conn., assignor to American Chain & Cable Company, Inc., a corporation of New York.
Filed Apr. 27, 1949, Serial No. 577,809. Published July 3, 1951. Class 32.

548,941. Grade Incline Measuring Instrument Which Indicates Angle of Climb or Descent When Attached to a Tractor. The Ellis Sales Corporation, Fort Wayne, Ind.
Filed May 2, 1949, Serial No. 578,078. Published June 5, 1951. Class 26.

548,942. Covers, Slips, or Sacks Made of Fabric or Cloth Used as Holders for Compacts, Cigarette Cases, and Lighters. Vicki Burke, New York, N. Y.
Filed June 1, 1949, Serial No. 579,800. Published June 12, 1951. Class 2.

548,943. Bars—Namely, Front Bars, Back Bars, and Soda Bars; Etc. The Redlich Manufacturing Company, Pittsburgh, Pa.
Filed June 15, 1949, Serial No. 580,514. Published July 3, 1951. Class 32.

548,944. Foundation Creams. Elizabeth Arden Sales Corporation, New York, N. Y.
Filed June 18, 1949, Serial No. 580,710. Published June 12, 1951. Class 51.

548,945. Time Operated Electric Switches for Electric Stoves. Sears, Roebuck and Co., Chicago, Ill.
Filed June 25, 1949, Serial No. 581,092. Published July 10, 1951. Class 26.

548,946. Nail Lacquer, Liquid Nail Lacquer Remover, Nail Lacquer Thinner, Etc. Chen Yu, Inc., New York, N. Y., assignor to Richard Hudnut, New York, N. Y., a corporation of New York.
Filed July 2, 1949, Serial No. 581,469. Published June 26, 1951. Class 51.

548,947. Dresses for Teen Age Girls. Just-B-Tween Dress Manufacturing Co., Tyler, Tex.
Filed July 5, 1949, Serial No. 581,530. Published July 10, 1951. Class 39.

548,948. Dog Grooming Supplies—Namely, Combs. The Winsted Company, Winsted, Conn.
Filed July 7, 1949, Serial No. 581,632. Published July 3, 1951. Class 3.

548,949. Peanut Butter. Lummis & Company, Philadelphia, Pa.
Filed July 8, 1949, Serial No. 581,672. Published May 29, 1951. Class 46.

548,950. Mechanical Oilers. Wm. W. Nugent & Co., Inc., Chicago, Ill.
Filed July 8, 1949, Serial No. 581,678. Published June 19, 1951. Class 23.

548,951. Mimeograph Drawing Boards and Mimeograph Lettering Guides. A. B. Dick Company, Chicago, Ill.
Filed July 20, 1949, Serial No. 582,216. Published June 19, 1951. Class 26.

548,952. Men's Hats. Joseph Kanner Hat Co., Inc., South Norwalk, Conn.
Filed July 28, 1949, Serial No. 582,637. Published June 12, 1951. Class 39.

548,953. Pads Impregnated With Oil for Use in Treating Fingernails. Ruth Kirkpatrick, doing business as Elise of Hollywood, Los Angeles, Calif.
Filed Aug. 1, 1949, Serial No. 582,791. Published July 25, 1950. Class 51.

548,954. Window Shades. S. H. Kress and Company, New York, N. Y.
Filed Aug. 6, 1949, Serial No. 583,099. Published July 3, 1951. Class 32.

548,955. Apparatus for Indicating and Recording the History of Well Drilling Operations, Etc. Independent Development Company, Houston, Tex.
Filed Aug. 22, 1949, Serial No. 583,801. Published June 5, 1951. Class 26.

548,956. Bath Robes, Bathing Suits, for Men and Women, Women's Night Gowns and Pajamas, Etc. S. F. Issard Company, Elmira, N. Y.
Filed Aug. 23, 1949, Serial No. 583,876. Published July 3, 1951. Class 39.

548,957. Stainless Steel Flatware Consisting of Knives, Forks, and Spoons for Table Use. The International Silver Company, Meriden, Conn.
Filed Sept. 2, 1949, Serial No. 584,400. Published June 26, 1951. Class 23.

548,958. Portable Bakery Cabinets Made of Metal. Eugene J. Smayda, Jr., doing business as The Smaydoll Company, Cleveland, Ohio.
Filed Sept. 2, 1949, Serial No. 584,422. Published June 26, 1951. Class 32.

548,959. Ladies' and Misses' Dresses, Dress Ensembles, Blouses, Suits, Jackets, Skirts, and Coats. Sport-Craft, Inc., New York, N. Y.
Filed Sept. 7, 1949, Serial No. 584,551. Published July 10, 1951. Class 39.

548,960. Proportioning Apparatus for Supplying Chlorine or Other Chemicals in Liquid or Gaseous Form to Liquids or Gases. Spick Products Co., Athens, N. Y.
Filed Sept. 9, 1949, Serial No. 584,643. Published June 19, 1951. Class 26.

548,961. Hack Saws, Band Saws, Carpenters' Hammers, and Machinists' Hammers. The Capewell Manufacturing Company, Hartford, Conn.
Filed Sept. 17, 1949, Serial No. 584,968. Published June 26, 1951. Class 23.

548,962. Liquid Emulsion or Lotion, Neutralizer in Powdered Form, and a Cream Developer To Be Used for Permanently Waving Human Hair. L and K Laboratories, St. Paul, Minn.
Filed Sept. 23, 1949, Serial No. 585,238. Published June 26, 1951. Class 51.

548,963. Perfumes. Maximilian Furs, Inc., New York, N. Y.
Filed Sept. 27, 1949, Serial No. 585,384. Published June 26, 1951. Class 51.

548,964. Automobile Door Locks, Locking Gas Tank Caps. Sears, Roebuck and Co., Chicago, Ill.
Filed Oct. 14, 1949, Serial No. 586,318. Published July 10, 1951. Class 25.

548,965. Grease Resistant Asphalt Floor Tile and Grease Resistant Asphalt Tile. Uvalde Rock Asphalt Company, San Antonio, Tex.
Filed Oct. 15, 1949, Serial No. 586,384. Published June 12, 1951. Class 12.

548,966. Junior Boys' and Young Men's Suits, Trousers, Knickers, Outer Shorts, Etc. The Matusow Manufacturing Company, Philadelphia, Pa.
Filed Sept. 27, 1949, Serial No. 587,149. Published June 26, 1951. Class 39.

548,967. Heat Sensitive Recording Paper, for Scientific Instruments Measuring Physical Conditions, Such as Pressure, Temperature, Humidity, Electrical Values, and Other Physical Conditions. G. M. Giannini & Co., Inc., Springfield, N. J.
Filed Nov. 4, 1949, Serial No. 587,327. Published June 5, 1951. Class 26.

548,968. Men's Wearing Apparel—Namely, Jackets, Blouses, Coats, Sweaters, Suits, Topcoats, Overcoats, Raincoats, Outer Shirts, Undershirts, Underwear, Scarves, Collars, and Bathrobes. The Fat Men's Shop, Inc., New York, N. Y.
Filed Nov. 19, 1949, Serial No. 588,084. Published June 12, 1951. Class 39.

548,969. Boys' Wearing Apparel—Namely, Suits, Overcoats, Etc. Aldens, Inc., Chicago, Ill.
Filed Nov. 23, 1949, Serial No. 588,194. Published July 3, 1951. Class 39.

548,970. Pre-Fabricated Building Structures, Such as Tourist Cabins, Restaurants, Gas Stations, and Small Homes. The Otsego Log Cabin Company, Gaylord, Mich.
Filed Nov. 30, 1949, Serial No. 588,591. Published June 12, 1951. Class 12.

548,971. Photographic Cameras. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Dec. 24, 1949, Serial No. 589,895. Published July 3, 1951. Class 26.

548,972. Window Curtains. Bartmann & Bixer, Inc., New York, N. Y.
Filed Jan. 7, 1950, Serial No. 590,483. Published Aug. 29, 1950. Class 42.

548,973. Ready to Wear Goods—Namely, Women's Dresses, Coats, and Suits. Ben Wolfman, Inc., doing business as The Fashion, Houston, Tex.
Filed Jan. 11, 1950, Serial No. 590,725. Published July 3, 1951. Class 39.

548,974. Rotary Fluid Pumps, Etc. The Weldon Tool Company, Cleveland, Ohio.
Filed Jan. 13, 1950, Serial No. 590,845. Published June 19, 1951. Class 23.

548,975. Air Flow Measuring Apparatus—Namely, Flow Meters, Etc. Commercial Research Laboratories, Inc., Detroit, Mich.
Filed Oct. 26, 1949, Serial No. 590,851. Published June 5, 1951. Class 26.

548,976. Refrigeration Apparatus—Namely, Milk Cooling and Circulating Units Attachable to Milk Cooling Tanks, Etc. The Sargent-Roundy Corporation, Randolph, Vt.
Filed Jan. 24, 1950, Serial No. 591,380. Published May 29, 1951. Class 31.

548,977. Ukuleles, Banjo Ukuleles, Tenor Guitars, Plectrum Guitars, Electric Guitars, Guitars, Banjos, Tenor Banjos, Taropatches, Tiples, Mandolins, Tenor Ukuleles, and Banjo Mandolins. Jules M. Sahlein, doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif.
Filed Feb. 3, 1950, Serial No. 591,956. Published July 17, 1951. Class 36.

548,978. Roof Slabs—Namely, Pre-Fabricated Concrete Roof Deck Slabs. The Formigli Corporation, Berlin, N. J.
Filed Feb. 24, 1950, Serial No. 592,990. Published Feb. 13, 1951. Class 12.

548,979. Plastic Television Filter To Eliminate Glare and Eye Fatigue. Joseph M. Gordon, doing business under the name and style of J. M. Gordon Laboratories, New York and Ossining, N. Y.
Filed Feb. 28, 1950, Serial No. 593,069. Published June 5, 1951. Class 26.

548,980. Women's Full-Fashioned Hosiery. Berkshire Knitting Mills, Wyomissing, Pa.
Filed Mar. 1, 1950, Serial No. 593,213. Published July 10, 1951. Class 39.

548,981. Women's Full-Fashioned Hosiery. Berkshire Knitting Mills, Wyomissing, Pa.
Filed Mar. 1, 1950, Serial No. 593,214. Published July 10, 1951. Class 39.

548,982. Women's Full-Fashioned Hosiery. Berkshire Knitting Mills, Wyomissing, Pa.
Filed Mar. 1, 1950, Serial No. 593,215. Published July 10, 1951. Class 39.

548,983. Laboratory Scales and Balances, Composition of Forces Tables and Apparatus, Pascal's Vases, Electric Laboratory Meters, Resistance Boxes and Boards, and Static Machines. Standard Science Supply Company, Chicago, Ill.
Filed Jan. 27, 1950, Serial No. 593,320. Published June 5, 1951. Class 26.

548,984. Electric Switches Subject to Automatic Control by a Timing Device and Also Subject to Manual Control. International Register Company, Chicago, Ill.
Filed Mar. 4, 1950, Serial No. 593,414. Published June 5, 1951. Class 26.

548,985. Mirrors, More Particularly, Hand, Wall, Dresser, Vanity, Door, and Easel Mirrors. Falconer Plate Glass Corporation, Falconer, N. Y.
Filed Mar. 14, 1950, Serial No. 593,912. Published July 3, 1951. Class 32.

548,986. Battery Testing Instruments—Namely, Instruments for Electrically Determining the Condition of the Cells of an Electric Storage Battery. McColpin-Christie Corporation, Ltd., Los Angeles, Calif.
Filed Mar. 16, 1950, Serial No. 594,054. Published May 29, 1951. Class 26.

548,987. Clothes Dryers, Clothes Line Props, Clothes Line Poles, Clothes Line Posts. Falco Products Co., Philadelphia, Pa.
Filed Mar. 25, 1950, Serial No. 594,635. Published July 3, 1951. Class 24.

548,988. Electronic Indicators for Electric Welders Used To Determine "Weld Time" in Accordance With the Combined Thickness of the Pieces To Be Welded. Westinghouse Electric Corporation, Pittsburgh, Pa., and Buffalo, N. Y.
Filed Mar. 25, 1950, Serial No. 594,676. Published July 3, 1951. Class 26.

548,989. Men's and Young Men's Suits, Overcoats, Topcoats, Sportcoats, Vests, Trousers, and Sport Jackets of Woolen and Worsted Piece Goods. M. & B. Cohen Co., New York, N. Y.
Filed Apr. 4, 1950, Serial No. 595,189. Published July 3, 1951. Class 39.

548,990. Corrosion Proof and Abrasion Resistant Surfacing Material Comprising Certain Mixtures of Inert Fillers and Pigments With Plastic Resin Liquids. William E. Smith, doing business as The Cellcote Company, Cleveland, Ohio.
Filed Apr. 5, 1950, Serial No. 595,288. Published June 19, 1951. Class 12.

548,991. Window Shades. The Columbia Mills, Inc., Syracuse, N. Y.
Filed Apr. 6, 1950, Serial No. 595,307. Published July 3, 1951. Class 32.

548,992. Insulated Portable Chests and Boxes for Ice. Metalcraft Manufacturing Corporation, Memphis, Tenn.
Filed Apr. 10, 1950, Serial No. 595,640. Published July 3, 1951. Class 31.

548,993. Audio Signal Generators, Square Wave Generators, and Audio Oscillators. Hewlett-Packard Company, Palo Alto, Calif.
Filed Apr. 15, 1950, Serial No. 595,779. Published July 10, 1951. Class 26.

548,994. Wallets, Key Cases, and Pocket Secretaries. Hickok Manufacturing Co. Inc., Rochester, N. Y.
Filed Apr. 19, 1950, Serial No. 595,957. Published June 26, 1951. Class 3.

548,995. Portfolios To Hold Insurance Policies, Said Portfolios Having an Imitation Leather Cover and Plastic Binders and Pocket Parts. Ralph R. Conell, doing business under the firm name and style of Art Plastics Co., as well as under the firm name and style of Art Plastics Mfg. Co., Los Angeles, Calif.
Filed Apr. 21, 1950, Serial No. 596,079. Published June 26, 1951. Class 3.

548,996. Utility Cabinets Containing a Built-In Drawing Table and Designed for Use by Artists and Draftsmen. Philip F. B. Stahl, Chicago, Ill.
Filed May 5, 1950, Serial No. 596,955. Published July 3, 1951. Class 26.

548,997. Cosmetic Cases Sold Empty and Used for Travelling Purposes. Helen Cornelius, New York, N. Y.
Filed May 9, 1950, Serial No. 597,128. Published June 26, 1951. Class 3.

548,998. Piece Goods Wholly of Wool. Innes, Chambers & Company Limited, Peebles, Scotland.
Filed May 11, 1950, Serial No. 597,276. Published July 10, 1951. Class 42.

548,999. Strings for Banjos, Guitars, Harps, and Similar Musical Instruments. National Musical String Co., New Brunswick, N. J.
Filed May 11, 1950, Serial No. 597,285. Published Apr. 17, 1951. Class 36.

549,000. Artificial Flowers To Be Worn on the Person, in the Form of Millinery and Dress Decoration. Marrow Manufacturing Co., New York, N. Y., assignor to Marrow Mfg. Corp., New York, N. Y.
Filed May 13, 1950, Serial No. 597,407. Published July 10, 1951. Class 40.

549,001. Men's, Women's, and Children's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed May 17, 1950, Serial No. 597,578. Published July 10, 1951. Class 39.

549,002. Laxative Tablets. The E. L. Patch Company, Stoneham, Mass.
Filed May 24, 1950, Serial No. 598,033. Published June 19, 1951. Class 18.

549,003. Ironing Board Pad. Gerry Nufoam Products Corp., New York, N. Y.
Filed May 25, 1950, Serial No. 598,078. Published July 3, 1951. Class 24.

549,004. Ladies' Hosiery. Dream Hosiery Mills, Inc., Baltimore, Md.
Filed May 29, 1950, Serial No. 598,295. Published July 10, 1951. Class 39.

549,005. Refrigerated Cases for Bottled Beverages. Tyler Fixture Corporation, Niles, Mich.
Filed May 29, 1950, Serial No. 598,334. Published July 3, 1951. Class 31.

549,006. Refrigerated Beverage Dispensing Cases. Tyler Fixture Corporation, Niles, Mich.
Filed May 29, 1950, Serial No. 598,335. Published July 3, 1951. Class 31.

549,007. Drapery Fabrics Comprising Cotton and Asbestos Fibers, and Drapery Fabrics Comprising Rayon and Asbestos Fibers. Johns-Manville Corporation, New York, N. Y.
Filed June 2, 1950, Serial No. 598,481. Published July 10, 1951. Class 42.

549,008. Woolen Piece Goods. C. M. De Land, New York, N. Y.
Filed June 16, 1950, Serial No. 599,228. Published July 10, 1951. Class 42.

549,009. Electrical Time Controlled Release Actuator for Momentarily Retracting and Releasing a Retaining Element Such as a Bolt or Latch Member at the End of a Pre-Determined Period. Russell Sabor, Minneapolis, Minn.
Filed July 3, 1950, Serial No. 600,193. Published July 3, 1951. Class 26.

549,010. Sensitized Photographic Film. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed July 11, 1950, Serial No. 600,472. Published July 10, 1951. Class 26.

549,011. Men's Corduroy Sport Coats. Robert Hall Clothes, Inc., Wilmington, Del., and New York, N. Y.
Filed July 13, 1950, Serial No. 600,586. Published June 26, 1951. Class 39.

549,012. Photographic and Optical Lenses. Natural Colors, Inc., Pompton Lakes, N. J.
Filed July 18, 1950, Serial No. 600,844. Published July 3, 1951. Class 26.

549,013. Hair Dressing. J. A. White & Son, Roxboro, N. C.
Filed July 18, 1950, Serial No. 600,870. Published June 12, 1951. Class 51.

549,014. Wallets, Purses, Pocket Books, Portfolios, and Key Cases. Roller Derby Associates, Chicago, Ill.
Filed July 20, 1950, Serial No. 600,976. Published June 26, 1951. Class 3.

549,015. Face Powder, Dusting Powder, Etc. Marcelle Cosmetics, Inc., Chicago, Ill.
Filed July 21, 1950, Serial No. 601,057. Published June 12, 1951. Class 51.

549,016. Women's, Boys', Girls', and Infants' Hosiery. Catawba Hosiery Mills, Inc., Catawba, N. C.
Filed July 31, 1950, Serial No. 601,490. Published July 10, 1951. Class 39.

549,017. Women's, Boys', Girls', and Infants' Hosiery. Catawba Hosiery Mills, Inc., Catawba, N. C.
Filed July 31, 1950, Serial No. 601,491. Published July 10, 1951. Class 39.

549,018. Hair Lotions. Quality Chemists, Inc., St. Louis, Mo.
Filed July 31, 1950, Serial No. 601,511. Published June 12, 1951. Class 51.

549,019. Velveteen Fabrics of Cotton Fibers. Quintard Fabrics, Inc., New York, N. Y.
Filed Aug. 1, 1950, Serial No. 601,566. Published July 10, 1951. Class 42.

549,020. Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Combinations Thereof. Hego Fabrics, Inc., New York, N. Y.
Filed Aug. 8, 1950, Serial No. 601,906. Published July 10, 1951. Class 42.

549,021. Woven Paper Fibre Fabric. American Twine & Fabric Corporation, Portsmouth, N. H.
Filed Aug. 9, 1950, Serial No. 601,972. Published July 10, 1951. Class 42.

549,022. Work Clothes—Namely, Jackets, Pants, Dungarees, Shirts, and Overalls. H. Mendel & Co., Inc., Atlanta, Ga.
Filed Aug. 16, 1950, Serial No. 602,272. Published July 3, 1951. Class 39.

549,023. Microscope Cover Glasses and Glass Slides. Hellige, Inc., Long Island City, N. Y.
Filed Aug. 19, 1950, Serial No. 602,452. Published June 5, 1951. Class 26.

549,024. Fabrics of Cotton, Wool, Glass, or Synthetic Fibers, Particularly Glass Fabrics. Owens-Corning Fiberglas Corporation, Toledo, Ohio.
Filed Aug. 22, 1950, Serial No. 602,565. Published July 10, 1951. Class 42.

549,025. Fabrics in the Piece of Wool, Cotton, and Synthetic Fibers. Rockville Fabrics Corp., New York, N. Y.
Filed Aug. 24, 1950, Serial No. 602,717. Published July 10, 1951. Class 42.

549,026. Temperature Responsive Switches for Controlling Electrical Circuits. Fenwal Incorporated, Ashland, Mass.
Filed Aug. 30, 1950, Serial No. 602,939. Published June 19, 1951. Class 26.

549,027. Switches Having a Thermal Element Operable To Open a Branch Circuit When the Current in the Thermal Element Circuit Exceeds a Predetermined Value. Sangamo Electric Company, Springfield, Ill.
Filed Aug. 30, 1950, Serial No. 602,975. Published June 5, 1951. Class 26.

549,028. Piece Goods of Synthetic Fibers Alone and in Admixture With Cotton, Wool, or Silk. Burlington Mills Corporation, Greensboro, N. C.
Filed Sept. 2, 1950, Serial No. 603,109. Published July 10, 1951. Class 42.

549,029. Bedroom Furniture—Namely, Beds, Dressers, Chests, Etc. J. E. King Manufacturing Co., Springfield, Mo
Filed Sept. 5, 1950, Serial No. 603,159. Published June 26, 1951. Class 32.

549,030. Bedroom Furniture—Namely, Beds, Dressers, Chests, Etc. J. E. King Manufacturing Co., Springfield, Mo.
Filed Sept. 5, 1950, Serial No. 603,160. Published June 26, 1951. Class 32.

549,031. Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof. D. B. Fuller & Co., Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 603,446. Published July 10, 1951. Class 42.

549,032. Tops. Thomas C. Reyes, doing business as Eagle Tops Mfg. Co., Compton, Calif.
Filed Sept. 12, 1950, Serial No. 603,460. Published July 17, 1951. Class 22.

549,033. Textile Rugs and Carpets. Nye-Wait Company, Inc., Auburn, N. Y.
Filed Sept. 15, 1950, Serial No. 603,595. Published July 10, 1951. Class 42.

549,034. Pillows. Nettle Creek Industries, Inc., Hagerstown, Ind.
Filed Aug. 30, 1950, Serial No. 603,609. Published June 26, 1951. Class 32.

549,035. Artist's Palette. SERVall Products, Inc., Los Angeles, Calif.
Filed Sept. 16, 1950, Serial No. 603,650. Published June 26, 1951. Class 23.

549,036. Ophthalmic Lenses of All Types. Imperial Optical Company Ltd., Toronto, Ontario, Canada.
Filed Sept. 6, 1950, Serial No. 603,721. Published July 3, 1951. Class 26.

549,037. Men's Sport and Dress Shirts. Reynolds-Penland Company, Dallas, Tex.
Filed Sept. 20, 1950, Serial No. 603,814. Published June 19, 1951. Class 39.

549,038. Piece Goods of Wool, Cotton, Rayon, Nylon, and/or Silk, or Combinations Thereof. Traub-Lyons-Oppenheim, Inc., New York, N. Y.
Filed Sept. 23, 1950, Serial No. 603,946. Published July 10, 1951. Class 42.

549,039. Check-Out Counters for Chain Stores and Structural Parts Thereof. The Kroger Co., Cincinnati, Ohio
Filed Sept. 27, 1950, Serial No. 604,099. Published July 3, 1951. Class 32.

549,040. Mastic Compound for Coating Pipe Surfaces and the Like To Eliminate Condensation. The Tremco Manufacturing Company, Cleveland, Ohio.
Filed Sept. 27, 1950, Serial No. 604,110. Published June 12, 1951. Class 12.

549,041. Mastic Compound for Coating Pipe Surfaces and the Like To Eliminate Condensation. The Tremco Manufacturing Company, Cleveland, Ohio.
Filed Sept. 27, 1950, Serial No. 604,111. Published June 12, 1951. Class 12.

549,042. Mastic Compound for Coating Pipe Surfaces and the Like To Eliminate Condensation. The Tremco Manufacturing Company, Cleveland, Ohio.
Filed Sept. 27, 1950, Serial No. 604,112. Published June 12, 1951. Class 12.

549,043. Tables. Virtue Bros. Mfg. Co., doing business under the fictitious name of Virtue Brothers of California, Los Angeles, Calif.
Filed Oct. 7, 1950, Serial No. 604,605. Published July 3, 1951. Class 32.

549,044. Raschig Rings. Union Carbide and Carbon Corporation, New York, N. Y.
Filed Oct. 13, 1950, Serial No. 604,872. Published June 19, 1951. Class 12.

549,045. Children's Dungarees. Bernstein, Cohen & Co., Chicago, Ill.
Filed Oct. 19, 1950, Serial No. 605,136. Published July 3, 1951. Class 39.

549,046. Eye Lotion. Karl Folke Eweson, doing business as The Halldon Co., New York, N. Y.
Filed Oct. 19, 1950, Serial No. 605,151. Published June 12, 1951. Class 51.

549,047. Flash Units for Use in Photography. Acousti-craft Corporation, Chicago, Ill.
Filed Oct. 21, 1950, Serial No. 605,247. Published July 10, 1951. Class 26.

549,048. Mechanically Grooved Phonograph Records. Tempo Record Company of America, Hollywood, Calif.
Filed Oct. 23, 1950, Serial No. 605,335. Published July 10, 1951. Class 36.

549,049. Measuring Tapes. Keuffel & Esser Company, Hoboken, N. J.
Filed Nov. 2, 1950, Serial No. 605,798. Published June 12, 1951. Class 26.

549,050. Perfumes. Vigny, Inc., New York, N. Y.
Filed Nov. 2, 1950, Serial No. 605,819. Published June 12, 1951. Class 51.

549,051. Shaving Cream. Charles B. Dicks, Jr., doing business under the name The C. B. Dicks, Jr., Company, New Orleans, La.
Filed Nov. 4, 1950, Serial No. 605,896. Published June 12, 1951. Class 51.

549,052. Spectacles. Societe Anonyme: Les Freres Lissac, Paris, France.
Filed Nov. 4, 1950, Serial No. 605,922. Published June 12, 1951. Class 26.

549,053. Motion Picture Films. Sturgis-Grant Productions, Inc., New York, N. Y.
Filed Nov. 6, 1950, Serial No. 605,976. Published June 12, 1951. Class 26.

549,054. Milk Filter Discs. Schwartz Manufacturing Company, Two Rivers, Wis.
Filed Nov. 14, 1950, Serial No. 606,394. Published July 10, 1951. Class 31.

549,055. Ukuleles. Chris-Kratt Instrument Co., Inc., Union, N. J.
Filed Nov. 15, 1950, Serial No. 606,413. Published July 3, 1951. Class 36.

549,056. Towels. Glenn C. Minick, doing business under the name Sunbeam Products, St. Petersburg, Fla.
Filed Dec. 8, 1950, Serial No. 607,439. Published July 10, 1951. Class 42.

549,057. Ironing Board Pads and Covers. David Lehrman, trading as The Ironees Company, Philadelphia, Pa.
Filed Feb. 6, 1951, Serial No 609,687. Published July 17, 1951. Class 24.

549,058. X-Ray Accessories, Particularly Metal Cassette Holders and Supporting Frames Therefor. Frank Scholz X-Ray Engineering Service, Inc., Boston, Mass.
Filed Feb. 20, 1951, Serial No. 610,343. Published June 19, 1951. Class 26.

549,059. Sliding Door Locks. Jay G. McKenna, Inc., Elkhart, Ind.
Filed Mar. 3, 1951, Serial No. 610,792. Published July 17, 1951. Class 25.

Service Marks

549,060. Reupholstering and Designing of Furniture to Order. S. & G. Gump Company, San Francisco, Calif., assignor to Gump's, Inc., a corporation of California.
Filed Nov. 15, 1947, Serial No. 541,283. Published July 17, 1951. Class 103.

549,061. Custom Molding of Plastic and Metal Products. Waterbury Companies, Incorporated, Waterbury, Conn.
Filed Feb. 26, 1948, Serial No. 550,633. Published July 10, 1951. Class 106.

549,062. Advertising Service—Namely, Creating Visual Advertising Material To Be Used by Clients in Advertising Their Goods by Television and Other Sales Promotion Media. Sterling E. Norcross, Bloomfield, N. J.
Filed Nov. 19, 1948, Serial No. 569,092. Published July 10, 1951. Class 101.

549,063. Casualty and Liability Insurance. Hardware Mutual Casualty Company, Stevens Point, Wis.
Filed Nov. 22, 1948, Serial No. 569,202. Published July 10, 1951. Class 102.

549,064. General Factorage Services. New York Factors, Inc., New York, N. Y.
Filed Feb. 19, 1949, Serial No. 574,156. Published June 19, 1951. Class 102.

549,065. Providing Means for the Identification of Lost or Stolen Dogs Through the Process of Tattooing Dogs With Code Identifications and Maintaining Records in the Office of Applicant and With Owners and in Other Appropriate Places Whereby the Owners of the Dogs Can Be Readily Identified and Located. Identacode, Ltd., Santa Monica, Calif.
Filed Mar. 15, 1949, Serial No. 575,470. Published July 10, 1951. Class 100.

549,066. Pre-Cooling of Food Produce. Vacuum Cooling Co., San Francisco, Calif.
Filed July 25, 1949, Serial No. 582,508. Published July 17, 1951. Class 106.

549,067. Treating Metal Pipe for Protecting It Against Rust and Corrosion, Such Treatment Comprising Coating the Pipe With Hot Coal Tar, Then Wrapping the Pipe With Asbestos Felt, Then Wrapping Again With Heavy Paper. Standard Pipeprotection Inc., St. Louis, Mo.
Filed Mar. 29, 1950, Serial No. 594,862. Published July 10, 1951. Class 106.

549,068. Organizing of Chapters in a National Collegiate Fraternity and Maintaining Membership Therein. The Chi Phi Fraternity, Atlanta, Ga.
Filed Apr. 4, 1950, Serial No. 595,188. COLLECTIVE MARK. Published July 3, 1951. Class 100.

549,069. Testing, Analysis, and Reporting of the Effectiveness of Newspaper and Radio Advertising and Advertising by Other Media. Advertising Research Bureau, Inc., Seattle, Wash.
Filed June 16, 1950, Serial No. 599,209. Published July 10, 1951. Class 100.

549,070. Cleaning of Pillows, Mattresses, Furs, and Furniture for Destroying All Moth Larva and Insects by Fumigation, Steam, and Heat; and for General Dry Cleaning and Hat Renovating. Standard Laundry Company, Jersey City, N. J.
Filed June 16, 1950, Serial No. 599,275. Published July 10, 1951. Class 103.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

549,071. (Class 4. Abrasives and Polishing Materials.) Simmons & Simmons, Providence, R. I. Original filed, act of 1946, Principal Register, July 5, 1947; amended to application, Supplemental Register, July 1, 1948, Serial No. 527,194.



For Liquid Furniture Polish With Incidental Properties of Cleaning and Preserving.
Claims use since Nov. 13, 1946.

549,072. (Class 52. Detergents and Soaps.) The Procter & Gamble Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Oct. 29, 1947; amended to application, Supplemental Register, May 28, 1949, Serial No. 539,439.



The mark consists of ornamentally curved flutes formed on the bar, spaced about ¼ inches apart, extending lengthwise of the front and back faces of the bars. Applicant claims ownership of Registration No. 109,126.
For Sudsing Cleaner, Cleanser and Detergent in Bar Form.
Claims use since Oct. 8, 1947.

549,073. (Class 46. Foods and Ingredients of Foods.) Frank C. Gough, doing business as Gough Brokerage Co., New Orleans, La. Original filed, act of 1946, Principal Register, Dec. 30, 1947; amended to application, Supplemental Register, May 25, 1951, Serial No. 545,738.



Applicant claims ownership of Registration No. 384,626.
For Canned Shrimp.
Claims use since Sept. 3, 1919.

549,074. (Class 36. Musical Instruments and Supplies.) Cary Products Company, Dallas, Tex. Original filed, act of 1946, Principal Register, Jan. 12, 1948; amended to application, Supplemental Register, Mar. 31, 1950, Serial No. 546,758.

Sleepy Tone

For Mechanically-Grooved Phonograph Records.
Claims use since Dec. 11, 1947.

549,075. (Class 52. Detergents and Soaps.) The Procter & Gamble Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Apr. 14, 1948; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 554,598.

IT'S CHEAPER TO BUY GOOD SOAP THAN NEW CLOTHES

For Sudsing Cleaner, Cleanser and Detergent.
Claims use since October 1917.

549,076. (Class 18. Medicines and Pharmaceutical Preparations.) Picot Laboratories, Inc., Mount Vernon, N. Y. Original filed, act of 1946, Principal Register, May 17, 1948; amended to application, Supplemental Register, Jan. 16, 1951, Serial No. 557,209.



The drawing is lined for yellow, purple, green and brown. Applicant claims ownership of Registrations Nos. 226,737, 228,435, 365,062, 346,816, 354,543, and 363,698.
For Laxative Preparations.
Claims use since 1930.

549,077. (Class 39. Clothing.) Leatherplast, Inc., Newark, N. J. Original filed, act of 1946, Principal Register, June 11, 1948; amended to application, Supplemental Register, May 1, 1951, Serial No. 559,030.

Leatherplast

For Men's Garment Belts, Made From Virgin Vinyl Which Is Pressed To Simulate the Grain of Leather on the Outer Surface of the Belts.
Claims use since Feb. 1, 1948.

549,078. (Class 29. Brooms, Brushes, and Dusters.) Vernon D. Wood, doing business as Vernon D. Wood Co., Los Angeles, Calif. Original filed, act of 1946, Principal Register, Dec. 27, 1948; amended to application, Supplemental Register, Apr. 10, 1950, Serial No. 571,186.

Dishquick

For Combined Brush and Scraper for Use in Scouring and Cleaning Dishes and Kitchen Utensils.
Claims use since Nov. 12, 1948.

549,079. (Class 18. Medicines and Pharmaceutical Preparations.) A. Gazzoni & C., Bologna, Italy. Original filed, act of 1946, Principal Register, Dec. 29, 1948; amended to application, Supplemental Register, May 19, 1951, Serial No. 571,266.



The portrait is that of Louis XIV. The words "Marca di Fabrica" and "Bologna" are disclaimed. Applicant claims ownership of Italian Registration No. 16,881, dated Feb. 21, 1918.
For Lozenges for the Treatment of Coughs and Colds.

549,080. (Class 26. Measuring and Scientific Appliances.) Ernest J. Abbott, doing business as Physicists Research Company, Ann Arbor, Mich. Original filed, act of 1946, Principal Register, Dec. 31, 1948; amended to application, Supplemental Register, May 22, 1951, Serial No. 571,397.

WAVOMETER

For Electric Indicating Instrument and Parts Thereof, Said Instrument Being Constructed for Checking and Determining Relatively Widely Spaced, Uniform as Well as Erratic, Deviations and Like Characteristics of a Surface (as Contrasted With Closely Spaced Deviations, Which Are Also Present and Known as Surface Roughness), Such as Surface Variations of a Part Caused by Wear and Inaccuracies of the Machine on Which It Was Made, Closely-Spaced Chatter Marks Produced on the Surface by the Grinding Machine, Pockets Caused by Multiple-Jaw Chuck Gripping of a Part During Its Production, Nicks, Scratches, and Random Flaws, All the Foregoing Indications Being Generated by Tracer Point Contact.
Claims use since Dec. 4, 1947.

549,081. (Class 51. Cosmetics and Toilet Preparations.) Duart Manufacturing Co., Ltd., San Francisco, Calif. Original filed, act of 1946, Principal Register, Feb. 1, 1949; amended to application, Supplemental Register, Sept. 12, 1950, Serial No. 573,121.

TINTOFF

For Oil Base Hair Tint Remover.
Claims use since Jan. 15, 1949.

549,082. (Class 26. Measuring and Scientific Appliances.) Donald R. Brann, doing business as Easi-Bild Pattern Company, Pleasantville, N. Y. Original filed, act of 1946, Principal Register, Mar. 26, 1949; amended to application, Supplemental Register, Dec. 16, 1950, Serial No. 576,106.

BUILD IT Yourself

For Paper Patterns and Templates for Use as Guides in Making Furniture, Buildings, Toys, and House Equipment.
Claims use since June 1, 1946.

549,083. (Class 18. Medicines and Pharmaceutical Preparations.) D. L. Jenkins, doing business as D. L. Jenkins Co., Charlotte, N. C. Original filed, act of 1946, Principal Register, Mar. 28, 1949; amended to application, Supplemental Register, July 20, 1950, Serial No. 576,210.



The trade-mark consists of the signature of applicant, written consent filed.
For Oil To Be Applied Externally for the Relief of Sunburn, Windburn, Chafing, and Chapping.
Claims use since Dec. 3, 1948.

549,084. (Class 51. Cosmetics and Toilet Preparations.) The Cramer Chemical Company, doing business as The Cramer Chemical Co., Gardner, Kans. Original filed, act of 1946, Principal Register, Apr. 12, 1949; amended to application, Supplemental Register, Feb. 9, 1951, Serial No. 576,958.

SUN SCREEN

For Skin Lotion for Use in the Prevention of Sunburn.
Claims use since June 27, 1948.

549,085. (Class 52. Detergents and Soaps.) Buffalo Kay Chemical Company, Inc., Buffalo, N. Y. Original filed, act of 1946, Principal Register, Apr. 13, 1949; amended to application, Supplemental Register, Apr. 26, 1950, Serial No. 577,037.



The drawing is lined for orange.
For Neutral Cleaner for General Use in Homes, Hotels, Office Buildings, Plants, Institutions and the Like.
Claims use since November 1941.

549,086. (Class 12. Construction Materials.) The Square Grip Reinforcement Company (London) Limited, London, England. Original filed, act of 1946, Principal Register, May 3, 1949; amended to application, Supplemental Register, Mar. 13, 1951, Serial No. 578,171.

SQUARE GRIP

Applicant claims ownership of British Registration No. 647,277, dated Apr. 30, 1946.
For Concrete Reinforcing Bars for Use in Reinforcing Concrete Construction for Roadways and Buildings and in the Form of Single Bars or Fabricated Into Mesh.

549,087. (Class 6. Chemicals and Chemical Compositions.) H. W. Pleitner Charcoal Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, May 16, 1949; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 578,941.

CHARCO-FYRE

For Chemical Composition, With Alcohol Base, for Use in Starting Charcoal Fires.
Claims use since Feb. 1, 1949.

549,088. (Class 15. Oils and Greases.) Tide Water Associated Oil Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 27, 1949; amended to application, Supplemental Register, July 14, 1951, Serial No. 581,150.

TYCOL
ATWATER

Applicant claims ownership of Registrations Nos. 197,753, 514,193, and others.
For Lubricating Oil.
Claims use since Jan. 2, 1948.

549,089. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Chambers, Bering, Quinlan Co., Decatur, Ill. Original filed, act of 1946, Principal Register, June 29, 1949; amended to application, Supplemental Register, June 22, 1951, Serial No. 581,249.

SeKure

For Metal Closures for Drums.
Claims use since Apr. 22, 1949.

549,090. (Class 12. Construction Materials.) John F. McSwain, doing business under the name of Industrial Asphalt Company, Berkeley, Calif. Original filed, act of 1946, Principal Register, Aug. 13, 1949; amended to application, Supplemental Register, Nov. 25, 1950, Serial No. 583,439.

BANOL

For Asphaltic Sealing Compound.
Claims use since Aug. 1, 1946.

549,091. (Class 51. Cosmetics and Toilet Preparations.) Frances Denney, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Oct. 18, 1949; amended to application, Supplemental Register, Oct. 11, 1950, Serial No. 586,472.

Mrs Santa Claus comes to town

For Cosmetic Sets Consisting of Colognes, Cologne Essence, Dusting Powder, Bath Oil, Perfume, and Lipstick.
Claims use since Sept. 13, 1949.

549,092. (Class 12. Construction Materials.) Beautycraft Plastic Tile Corporation, East Rutherford, N. J. Original filed, act of 1946, Principal Register, Dec. 7, 1949; amended to application, Supplemental Register, Nov. 24, 1950, Serial No. 588,931.



For Plastic Tiles.
Claims use since May 27, 1949.

549,093. (Class 6. Chemicals and Chemical Compositions.) United Gilsonite Laboratories, Scranton, Pa. Original filed, act of 1946, Principal Register, Dec. 7, 1949; amended to application, Supplemental Register, July 28, 1951, Serial No. 588,980.

FASTRIP

For Removers and More Particularly Wallpaper Remover.
Claims use since Feb. 4, 1949.

549,094. (Class 2. Receptacles.) The Ohio Boxboard Company, Rittman, Ohio. Original filed, act of 1946, Principal Register, Dec. 9, 1949; amended to application, Supplemental Register, Feb. 19, 1951, Serial No. 589,109.

KEEP-RITE BOARD

For Containers Made of Paperboard—Namely, Cartons, Trays, and U-Boards.
Claims use since Nov. 10, 1949.

549,095. (Class 51. Cosmetics and Toilet Preparations.) Louise Fabish, New York, N. Y. Filed Dec. 16, 1949, Serial No. 589,437.

FAMOUS Camphor LOTION Louise Fabish

The name appearing in the drawing is the signature of applicant, consent filed. Applicant claims ownership of Registration No. 407,943.
For Skin Lotion.
Claims use since 1941.

549,096. (Class 51. Cosmetics and Toilet Preparations.) Louise Fabish, New York, N. Y. Filed Dec. 16, 1949, Serial No. 589,438.

FAMOUS Facial LOTION Louise Fabish

The name appearing on the drawing is the signature of the applicant. Applicant claims ownership of Registration No. 407,943.
For Skin Lotion.
Claims use since 1941.

549,097. (Class 46. Foods and Ingredients of Foods.) Puretex Lemon Juice, Inc., Raymondville, Tex. Original filed, act of 1946, Principal Register, Oct. 7, 1949; amended to application, Supplemental Register, Jan. 19, 1951, Serial No. 589,616.



For Bottled Lemon Juice and Bottled Lime Juice.
Claims use since June 1947.

549,098. (Class 51. Cosmetics and Toilet Preparations.) M. Pokorny & Sons, Ltd., New Orleans, La. Original filed, act of 1946, Principal Register, Feb. 7, 1950; amended to application, Supplemental Register, Mar. 29, 1951, Serial No. 592,098.

POKORNY'S *Shoe Sachets*

For Moisture-Absorbing and Deodorizing Composition in Divided Form Adapted To Be Packaged in Containers, the Latter Being Adapted To Be Inserted in Shoes After They Have Been Worn and Before They Are Reworn To Remove Odors and Moisture From Said Shoes.
Claims use since September 1949.

549,099. (Class 2. Receptacles.) Bemis Bro. Bag Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Feb. 27, 1950; amended to application, Supplemental Register, Feb. 26, 1951, Serial No. 593,100..



The words "Potato Bag" are disclaimed.
For Paper Bags.
Claims use since Feb. 8, 1950.

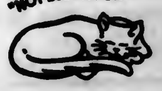
549,100. (Class 37. Paper and Stationery.) Honald W. Leach, Pueblo, Colo. Original filed, act of 1946, Principal Register, Mar. 1, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 593,228.

SURE-WAY SURVEY SYSTEM

For Bound Folders for Holding Insurance Policies.
Claims use since Jan. 11, 1950.

549,101. (Class 27. Horological Instruments.) The Sessions Clock Company, Forestville, Conn. Original filed, act of 1946, Principal Register, Mar. 10, 1950; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 593,749.

"NOT EVEN A PUR-R-R!"



For Clocks, Clock Movements, and Parts Thereof.
Claims use since Sept. 7, 1946.

549,102. (Class 28. Jewelry and Precious-Metal Ware.) Heizberg's Diamond Shops, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, Apr. 26, 1950; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 596,344.

"Perfect 1-2-3 Series"

For Bridal Sets—Namely, Engagement Rings and Wedding Rings Sold in Sets.
Claims use since Sept. 9, 1949.

549,103. (Class 46. Foods and Ingredients of Foods.) Henry and Henry, Inc., Buffalo, N. Y. Original filed, act of 1946, Principal Register, May 4, 1950; amended to application, Supplemental Register, July 24, 1951, Serial No. 596,845.

Boyd's HANDI-PACK

For Marshmallow Topping for Fountain Use.
Claims use since July 13, 1949.

549,104. (Class 2. Receptacles.) Cornell Wood Products Company, Milwaukee, Wis. Original filed, act of 1946, Principal Register, May 12, 1950; amended to application, Supplemental Register, July 11, 1951, Serial No. 597,325.

SPEEDY-SET

For Cardboard Cartons.
Claims use since Apr. 24, 1950.

549,105. (Class 2. Receptacles.) Union Bag & Paper Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, May 18, 1950; amended to application, Supplemental Register, July 14, 1951, Serial No. 597,714.

STA-KOLD

For Paper Bags.
Claims use since Apr. 28, 1950.

549,106. (Class 50. Merchandise Not Otherwise Classified.) Eva Ronell, New York, N. Y. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 599,263.

TWINFIT

For Dress Forms.
Claims use since June 1, 1950.

549,107. (Class 28. Jewelry and Precious-Metal Ware.) Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, June 20, 1951, Serial No. 599,876.

Majorca

For Artificial Pearls.
Claims use since Apr. 21, 1950.

549,108. (Class 18. Medicines and Pharmaceutical Preparations.) Sarah E. Keys, doing business as M & M Products, Pasadena, Calif. Original filed, act of 1946, Principal Register, Aug. 29, 1950; amended to application, Supplemental Register, June 21, 1951, Serial No. 602,900.

MULTI-MINERALS

For Medicinal Mineral Salts.
Claims use since June 1, 1931.

549,109. (Class 26. Measuring and Scientific Appliances.) Fenwal Incorporated, Ashland, Mass. Filed Aug. 30, 1950, Serial No. 602,936.

DETECT-A-FIRE

For Thermal Responsive Switches for Fire Detection in Aircraft and in Industrial Plants.
Claims use since 1943.

549,110. (Class 28. Jewelry and Precious-Metal Ware.) The Precious Metals Specialties Company, Inc., Newark, N. J. Filed Jan. 10, 1951, Serial No. 608,624.

GOLDEN CIRCLE

For Wedding Rings.
Claims use since Mar. 22, 1949.

Service Mark

549,111. (Class 102. Insurance and Financial.) Nadine Filler, doing business as Filler Insurance Agency, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, June 24, 1949, Serial No. 554,222.

"INSURANCERVICE"

For Insurance Brokerage in Accident, Health and Hospitalization Insurance and in Fire, Theft and Plate Glass Breakage Insurance.
Claims use since July 1939.

TRADE-MARK REGISTRATIONS RENEWED

35,404. PALMIACOL. Registered Nov. 13, 1900. The Trommer Company. Re-renewed Nov. 13, 1950, to Verle E. Stuckey, Fremont, Ohio. A Medicament. Class 18.

36,337. "THE MINUTE MAN" AND DRAWING. Registered Apr. 30, 1901. The R. I. Sherman Mfg. Co., Boston, Mass. Re-renewed Apr. 30, 1951, to Roger I. Sherman, Medford, Mass. Canned or Bottled Goods, Including Fruit and Vegetables and Relishes, Etc. Class 46.

37,409. "RAMSHEAD" AND DRAWING. Registered Dec. 3, 1901. The Western Felt Works. Re-renewed Dec. 3, 1951, to Western Felt Works, Chicago, Ill., a corporation of Illinois. Wool-Felt Rugs, Wool-Felt Sweat Collar-Pads, Etc. Class 3.

81,343. YAMA SAWO. Registered Mar. 28, 1911. Lestech Loesihy, Hoboken, N. J. Re-renewed Mar. 28, 1951, to Adam Lusich, Union City, N. J. Remedy for Nervousness and Rheumatic Troubles. Class 18.

82,052. CLINTON. Registered May 30, 1911. Clinton Metallic Paint Company, Clinton, N. Y., a corporation of New York. Re-renewed May 30, 1951. Mortar-Coloring. Class 6.

82,206. CELFOR. Registered June 13, 1911. Celfor Tool Company. Re-renewed June 13, 1951, to Avildsen Tools & Machines, Inc., Chicago, Ill., a corporation of Delaware. Drills, Reamers, Drill-Sockets, Chucks, Etc. Class 23.

549,095. (Class 51. Cosmetics and Toilet Preparations.) Louise Fabish, New York, N. Y. Filed Dec. 16, 1949, Serial No. 589,437.

FAMOUS Complexion LOTION Louise Fabish

The name appearing in the drawing is the signature of applicant, consent filed. Applicant claims ownership of Registration No. 407,943.
For Skin Lotion.
Claims use since 1941.

549,096. (Class 51. Cosmetics and Toilet Preparations.) Louise Fabish, New York, N. Y. Filed Dec. 16, 1949, Serial No. 589,438.

FAMOUS Facial LOTION Louise Fabish

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For Skin Lotion.
Claims use since 1941.

549,097. (Class 46. Foods and Ingredients of Foods.) Puretex Lemon Juice, Inc., Raymondville, Tex. Original filed, act of 1946, Principal Register, Oct. 7, 1949; amended to application, Supplemental Register, Jan. 19, 1951, Serial No. 589,616.



For Bottled Lemon Juice and Bottled Lime Juice.
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549,098. (Class 51. Cosmetics and Toilet Preparations.) M. Pokorny & Sons, Ltd., New Orleans, La. Original filed, act of 1946, Principal Register, Feb. 7, 1950; amended to application, Supplemental Register, Mar. 29, 1951, Serial No. 592,098.

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Claims use since September 1949.

549,099. (Class 2. Receptacles.) Bemis Bro. Bag Company, St. Louis, Mo. Original filed, act of 1946, Principal Register, Feb. 27, 1950; amended to application, Supplemental Register, Feb. 26, 1951, Serial No. 593,100.



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Claims use since Feb. 8, 1950.

549,100. (Class 37. Paper and Stationery.) Honald W. Leach, Pueblo, Colo. Original filed, act of 1946, Principal Register, Mar. 1, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 593,228.

SURE-WAY SURVEY SYSTEM

For Bound Folders for Holding Insurance Policies.
Claims use since Jan. 11, 1950.

549,101. (Class 27. Horological Instruments.) The Sessions Clock Company, Forestville, Conn. Original filed, act of 1946, Principal Register, Mar. 10, 1950; amended to application, Supplemental Register, Dec. 2, 1950, Serial No. 593,749.



For Clocks, Clock Movements, and Parts Thereof.
Claims use since Sept. 7, 1946.

549,102. (Class 28. Jewelry and Precious-Metal Ware.) Helzberg's Diamond Shops, Inc., Kansas City, Mo. Original filed, act of 1946, Principal Register, Apr. 26, 1950; amended to application, Supplemental Register, Dec. 22, 1950, Serial No. 596,344.

"Perfect 1-2-3 Series"

For Bridal Sets—Namely, Engagement Rings and Wedding Rings Sold in Sets.
Claims use since Sept. 9, 1949.

549,103. (Class 46. Foods and Ingredients of Foods.) Henry and Henry, Inc., Buffalo, N. Y. Original filed, act of 1946, Principal Register, May 4, 1950; amended to application, Supplemental Register, July 24, 1951, Serial No. 596,845.

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549,106. (Class 50. Merchandise Not Otherwise Classified.) Eva Ronell, New York, N. Y. Original filed, act of 1946, Principal Register, June 16, 1950; amended to application, Supplemental Register, June 12, 1951, Serial No. 599,263.

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For Dress Forms.
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Claims use since Apr. 21, 1950.

549,108. (Class 18. Medicines and Pharmaceutical Preparations.) Sarah E. Keys, doing business as M & M Products, Pasadena, Calif. Original filed, act of 1946, Principal Register, Aug. 29, 1950; amended to application, Supplemental Register, June 21, 1951, Serial No. 602,900.

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DETECT-A-FIRE

For Thermal Responsive Switches for Fire Detection in Aircraft and in Industrial Plants.
Claims use since 1943.

549,110. (Class 28. Jewelry and Precious-Metal Ware.) The Precious Metals Specialties Company, Inc., Newark, N. J. Filed Jan. 10, 1951, Serial No. 608,624.

GOLDEN CIRCLE

For Wedding Rings.
Claims use since Mar. 22, 1949.

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549,111. (Class 102. Insurance and Financial.) Nadine Filler, doing business as Filler Insurance Agency, Los Angeles, Calif. Original filed, act of 1946, Principal Register, Apr. 9, 1948; amended to application, Supplemental Register, June 24, 1949, Serial No. 554,222.

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Claims use since July 1939.

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36,337. "THE MINUTE MAN" AND DRAWING. Registered Apr. 30, 1901. The R. I. Sherman Mfg. Co., Boston, Mass. Re-renewed Apr. 30, 1951, to Roger I. Sherman, Medford, Mass. Canned or Bottled Goods, Including Fruit and Vegetables and Relishes, Etc. Class 46.

37,409. "RAMSHEAD" AND DRAWING. Registered Dec. 3, 1901. The Western Felt Works. Re-renewed Dec. 3, 1951, to Western Felt Works, Chicago, Ill., a corporation of Illinois. Wool-Felt Rugs, Wool-Felt Sweat Collar-Pads, Etc. Class 3.

81,343. YAMA SAWO. Registered Mar. 28, 1911. Leatech Loesihy, Hoboken, N. J. Re-renewed Mar. 28, 1951, to Adam Lusich, Union City, N. J. Remedy for Nervousness and Rheumatic Troubles. Class 18.

82,052. CLINTON. Registered May 30, 1911. Clinton Metallic Paint Company, Clinton, N. Y., a corporation of New York. Re-renewed May 30, 1951. Mortar-Coloring. Class 6.

82,206. CELFOR. Registered June 13, 1911. Celfor Tool Company. Re-renewed June 13, 1951, to Avildsen Tools & Machines, Inc., Chicago, Ill., a corporation of Delaware. Drills, Reamers, Drill-Sockets, Chucks, Etc. Class 23.

82,285. PRIMUS. Registered June 20, 1911. Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden, a company organized under the laws of Sweden. Re-renewed June 20, 1951. Bathing-Tubs, Fire-Hydrants, Door-Closers, Door-Fixtures, Etc. Class 13.

82,304. CLINTON. Registered June 20, 1911. Clinton Metallic Paint Company, Clinton, N. Y., a corporation of New York. Re-renewed June 20, 1951. Iron-Oxid Paints. Class 16.

82,444. JERSEY-CREME. Registered June 27, 1911. Jersey-Creme Co., Fort Worth, Tex. Re-renewed June 27, 1951, to The Julep Company, Sycamore, Ill., a corporation of Texas. Non-Alcoholic Tonic Beverage. Class 45.

82,568. "ANISADO REFINADO" ETC. AND DRAWING. Registered July 11, 1911. Bosch & Co., Badalona, Spain, a Spanish firm. Re-renewed July 11, 1951. Anisette. Class 49.

82,789. REPRESENTATION OF RIBBONS FORMING LETTER "H." Registered July 25, 1911. Grumme & Son. Re-renewed July 25, 1951, to Aktiebolaget Grumme & Son, Stockholm, Sweden, a corporation organized under the laws of Sweden. Tooth-Cream. Class 51.

82,803. "PRIDE OF THE OCEAN" ETC. AND DRAWING. Registered July 25, 1911. Key City Packing Company, Port Townsend, Wash. Re-renewed July 25, 1951, to Pacific American Fisheries, Inc., Bellingham, Wash., a corporation of Delaware. Canned Salmon. Class 46.

82,832. SANFORD. Registered July 25, 1911. Sanford Manufacturing Co., Chicago, Ill. Re-renewed July 25, 1951, to Sanford Ink Company, Bellwood, Ill., a corporation of Illinois. Glue, Arabic, Paste, and Mucilage. Class 5.

82,908. "HONEST JOHN". Registered Aug. 1, 1911. Peerless Rubber Manufacturing Company, New Durham, N. J., and New York, N. Y. Re-renewed Aug. 1, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Packing Composed of Fibrous Material and Fibrous Material Combined With Metal. Class 35.

83,318. "ANIS DEL MONO" ETC. AND REPRESENTATION OF BOTTLE. Registered Sept. 5, 1911. Bosch & Co., Badalona, Spain, a Spanish firm. Re-renewed Sept. 5, 1951. Anisette. Class 49.

83,505. SAPPHIRE. Registered Sept. 19, 1911. Montana Flour Mills Co., Harlowton, Mont. Re-renewed Sept. 19, 1951, to Montana Flour Mills Company, Great Falls, Mont., a corporation of Montana. Wheat-Flour. Class 46.

83,917. GLYPHO. Registered Oct. 24, 1911. Chas. W. Jacob & Allison. Re-renewed Oct. 24, 1951, to Crosby Allison, doing business as Wm. M. Allison & Co., New York, N. Y. Glycerin Substitute. Class 6.

84,223. RED CHIP. Registered Nov. 21, 1911. Firth-Sterling Steel Company, McKeesport, Pa. Re-renewed Nov. 21, 1951, to Firth Sterling Steel & Carbide Corp., Pittsburgh, Pa., a corporation of Pennsylvania. High-Speed Cutting-Steel. Class 14.

84,274. LYRA. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,275. ANSER. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,276. CORVUS. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,277. ALEPH. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,279. CANOPUS. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,280. DRACO. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,282. HYDRA. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,284. LIBRA. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,285. MARFAK. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,291. CETUS. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,292. AURIGA. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,293. ARIES. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,295. ARCTURUS. Registered Nov. 21, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 21, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,302. IOWA. Registered Nov. 28, 1911. The American Steel & Wire Company of New Jersey, Hoboken, N. J. Re-renewed Nov. 28, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio., a corporation of New Jersey. Barb-Wire. Class 13.

84,347. CAPELLA. Registered Nov. 28, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 28, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

84,349. ALTAIR. Registered Nov. 28, 1911. The Texas Company, Houston and Port Arthur, Tex., and New York, N. Y. Re-renewed Nov. 28, 1951, to The Texas Company, New York, N. Y., a corporation of Delaware. Lubricating-Oils. Class 15.

281,542. PIONEER. Registered Mar. 24, 1931. Youngs Rubber Corporation, Inc. Renewed Mar. 24, 1951, to Youngs Rubber Corporation, New York, N. Y., a corporation of New York. Prophylactic Membranous Articles for the Prevention of Contagious Diseases. Class 44.

283,534. SKREEN. Registered June 2, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed June 2, 1951, to Daggett & Ramsdell, Inc., Newark, N. J., a corporation of Delaware. Insect-Repellent Cream. Class 6.

284,167. PHENOCOAT. Registered June 16, 1931. International Compositions Company, Incorporated. Renewed June 16, 1951, to International Paint Company, Inc., New York, N. Y., a corporation of New York. Varnishes, Ready-Mixed Paints, and Paint Enamels. Class 16.

284,264. THERMIQUE. Registered June 23, 1931. Thermique, Incorporated, New York, N. Y. Renewed June 23, 1951, to Gaylord-Shelton, Inc., Chicago, Ill., a corporation of Delaware. Permanent-Waving Machines, Heaters for Use in Connection Therewith, Curlers, Pads, Closing Clips, and Supply Clamps. Class 44.

284,545. FOOD OF THE GODS. Registered July 7, 1931. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 7, 1951. Chocolate Coatings, Chocolate Candy, Hot Chocolate Powder, and Chocolate. Class 46.

284,546. "BYK" WITHIN CIRCLE. Registered July 7, 1931. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him July 7, 1951. Solvents, Diluents, Plasticizers, and Raw Materials—Namely, Cellulose Acetate, Etc. Class 46.

284,560. ISOVANAT. Registered July 7, 1931. Nordmark-Werke Aktiengesellschaft für angewandte Chemie, Hamburg, Germany. Vested in the Attorney General of the United States, Washington, D. C., and renewed to him July 7, 1951. Pharmaceutical Preparation Indicated in the Treatment of Gonorrhoea. Class 18.

284,585. ANTHEROSIA. Registered July 7, 1931. Société Anonyme M. Naef & Cie., Geneva, Switzerland. Renewed July 7, 1951, to Firmenich Incorporated, New York, N. Y., a corporation of Delaware. Artificial and Synthetical Perfumes, Essential Oils. Class 51.

284,985. "AMBROSIA" ETC. AND DESIGN. Registered July 14, 1931. Ambrosia Chocolate Company, Milwaukee, Wis., a corporation of Wisconsin. Renewed July 14, 1951. Candy; Chocolate, Cocoa, and Chocolate Coatings; Hot Chocolate Powder. Class 46.

284,987. "BLACK MAGIC" ETC. AND DESIGN. Registered July 14, 1931. Abe Gordon, doing business as Black-Magic Products Company, assignor to Black Magic Products Co. Renewed July 14, 1951, to Black Magic Products Co., Detroit, Mich., a corporation of Michigan. Automobile Radiator Seal and Cleaner, Radiator Cleaner, and Scale Preventative. Class 52.

284,996. ALCOA. Registered July 14, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 14, 1951. Aluminum Sand Mold and Permanent Mold Castings, Aluminum Billets and Ingots, Etc. Class 14.

284,997. "ALCOA" AND DESIGN. Registered July 14, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 14, 1951. Aluminum Sand Mold and Permanent Mold Castings, Aluminum Billets and Ingots, Aluminum Forgings and Extruded Shapes, Etc. Class 14.

284,998. ALCOA. Registered July 14, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 14, 1951. Blank Lithograph Plates. Class 14.

284,999. "ALCOA" AND DESIGN. Registered July 14, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 14, 1951. Blank Lithograph Plates. Class 14.

285,004. TRIMENE BASE. Registered July 14, 1931. The Naugatuck Chemical Company. Renewed July 14, 1951, to United States Rubber Company, New York, N. Y., a corporation of New Jersey. Condensation Product of Formaldehyde and Ethylamine. Class 1.

285,231. "PECO" WITHIN CIRCLE DESIGN. Registered July 21, 1931. Precision Electrotype Company, San Francisco, Calif., a corporation of California. Renewed July 21, 1951. Rubber and Brass Stamps and Brands. Class 23.

285,250. ALCOA. Registered July 21, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 21, 1951. Aluminum Cable, Steel-Reinforced Aluminum Cable, and Condenser Blades, All for Electrical Use. Class 21.

285,251. "ALCOA" AND DESIGN. Registered July 21, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 21, 1951. Aluminum Cable, Steel-Reinforced Aluminum Cable, and Condenser Blades, All for Electrical Use. Class 21.

285,365. "ALCOA" AND DESIGN. Registered July 28, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 28, 1951. Collapsible Tubes. Class 2.

285,366. ALCOA. Registered July 28, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed July 28, 1951. Collapsible Tubes. Class 2.

285,430. USCO. Registered July 28, 1931. United States Rubber Company, New York, N. Y., a corporation of New Jersey Renewed July 28, 1951. Boots and Shoes Made Wholly or in Part of Rubber and for Rubber Soles. Class 39.

285,448. DUREXITE. Registered July 28, 1931. Durex Abrasives Corporation, Jersey City, N. J. Renewed July 28, 1951, to Durex Abrasives Corporation, New Rochelle, N. Y., a corporation of Delaware. Abrasives—Namely, Abrasive Coated Cloth or Paper and Combinations of Abrasive Paper and Cloth. Class 4.

285,451. VISIREF. Registered July 28, 1931. Wilson Jones Company, Chicago, Ill., a corporation of Massachusetts. Renewed July 28, 1951. Visible Card Index Cabinet. Class 32.

285,778. "ALCOA" AND DESIGN. Registered Aug. 4, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 4, 1951. Welding Flux. Class 6.

285,779. ALCOA. Registered Aug. 4, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 4, 1951. Welding Flux. Class 6.

285,798. ASPIROIDS. Registered Aug. 4, 1931. United Drug Company, Boston, Mass. Renewed Aug. 4, 1951, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. Medicinal Preparation for Relieving Colds. Class 18.

285,922. VITA-GLO. Registered Aug. 11, 1931. The Peteb Corporation, Lowell, Mass. Renewed Aug. 11, 1951, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. Cleansing Cream, Face Cream, and Cold Cream. Class 51.

286,038. METER-ICE. Registered Aug. 11, 1931. Meterice, Incorporated, Los Angeles, Calif. Renewed Aug. 11, 1951, to General Motors Corporation, Detroit, Mich., and Dayton, Ohio, a corporation of Delaware. Automatic Coin Controlled Time Registering Electric Switches. Class 26.

286,373. KIPPAVETTE. Registered Aug. 25, 1931. Harry Peck & Company Limited, London, England, a company organized under the laws of Great Britain. Renewed Aug. 25, 1951. Fish Paste. Class 46.

286,535. "VB" ETC. AND DESIGN. Registered Sept. 1, 1931. The Lyndonville Canning Company, Inc., Lyndonville, N. Y., a corporation of New York. Renewed Sept. 1, 1951. Canned Apple Sauce. Class 46.

286,573. BARBARA. Registered Sept. 1, 1931. Oneida Community, Limited, Oneida, N. Y. Renewed Sept. 1, 1951, to Oneida Ltd., Oneida and Sherrill, N. Y., a corporation of New York. Silver Flatware and Hollow-Ware for Table Use. Class 28.

286,740. CALSUN BRONZE. Registered Sept. 1, 1931. Anaconda Wire & Cable Company, New York, N. Y. Renewed Sept. 1, 1951, to The American Brass Company, Waterbury, Conn., a corporation of Connecticut. Copper Alloy Wire and Unfinished Copper Alloy Rods and Sheets. Class 14.

286,849. SHANMONT. Registered Sept. 8, 1931. Kirby, Block & Fischer, Inc., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Men's, Women's, and Children's Clothing—Namely, Knitted and Textile Underwear and Hosiery. Class 39.

286,860. PUTMAN. Registered Sept. 8, 1931. The Robert Putnam Candy Company. Renewed Sept. 8, 1951, to Putman's, Cincinnati, Ohio, a firm. Candies, Mayonnaise, Ice Cream, Etc. Class 46.

286,969. AMGAL. Registered Sept. 8, 1931. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Renewed Sept. 8, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Wire Rope and Particularly Galvanized Wire Rope Used as Drilling Lines. Class 7.

287,003. THERMOPHREE SUGAR. Registered Sept. 8, 1931. The National Sugar Refining Company of New Jersey, Jersey City, N. J., and New York, N. Y. Renewed Sept. 8, 1951, to The National Sugar Refining Company, New York, N. Y., a corporation of New Jersey. Sugar. Class 46.

287,015. KING COTTON. Registered Sept. 8, 1931. Mente & Co., Inc., New Orleans, La., a corporation of Louisiana. Renewed Sept. 8, 1951. Textile Bagging Material in the Piece. Class 42.

287,244. AMERITE. Registered Sept. 15, 1931. The American Steel and Wire Company of New Jersey, Cleveland, Ohio, Chicago, Ill., Pittsburgh, Pa., New York, N. Y., Worcester, Mass., and Hoboken, N. J. Renewed Sept. 15, 1951, to The American Steel and Wire Company of New Jersey, Cleveland, Ohio, a corporation of New Jersey. Insulated Wire and Cables and Particularly Rubber Covered Wire and Cables. Class 21.

287,757. "THE G AND E RED — — ARROW" AND DESIGN. Registered Oct. 6, 1931. Gas and Electric Heater Co. Renewed Oct. 6, 1951, to FauceHot Heater Co., La Porte, Ind., a corporation of Indiana. Electric Water Supply Heaters. Class 21.

288,096. CASTORDAG. Registered Oct. 20, 1931. Acheson Oildag Company. Renewed Oct. 20, 1951, to Acheson Colloids Corporation, Port Huron, Mich., a corporation of Michigan. Lubricants Comprising Mixtures or Compounds Consisting of or Containing Castor Oil and Colloidal Graphite. Class 15.

288,121. "ZEPPELIN" AND DESIGN. Registered Oct. 20, 1931. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Oct. 20, 1951. Pneumatic and Cushion Tires Constructed Wholly or Partly of Rubber for Use on Motor Cars, Motor Trucks, Etc. Class 35.

288,144. PLUMBOLEUM. Registered Oct. 20, 1931. Galena Oil Corporation, Franklin, Pa. Renewed Oct. 20, 1951, to Freedom-Valvoline Oil Company, Freedom, Pa., a corporation of New Jersey. Lubricating Oils and Lubricating Greases. Class 15.

288,196. "JO-LO" ETC. AND DRAWING LINED FOR YELLOW. Registered Oct. 20, 1931. Joe Lowe Co. Inc., Brooklyn, N. Y. Renewed Oct. 20, 1951, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Dehydrated Whole Eggs, Dehydrated Egg Yolk, and Dehydrated Egg Albumen. Class 46.

288,287. SCHILLING. Registered Oct. 20, 1931. A. Schilling & Co., San Francisco, Calif. Renewed Oct. 20, 1951, to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland. Food Flavoring Extracts, Including Vanilla, Lemon, Rose, Etc. Class 46.

288,290. SCHILLING. Registered Oct. 20, 1931. A. Schilling & Co., San Francisco, Calif. Renewed Oct. 20, 1951, to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland. Tea and Coffee. Class 46.

288,291. SCHILLING. Registered Oct. 20, 1931. A. Schilling & Co., San Francisco, Calif. Renewed Oct. 20, 1951, to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland. Spices, and Particularly Ground Spices—Namely, Black Pepper, Etc. Class 46.

288,292. ENTICEMINTS. Registered Oct. 20, 1931. Francis H. Leggett & Company, New York, N. Y., a corporation of New York. Renewed Oct. 20, 1951. Mint Confections. Class 46.

288,305. "NATION-WIDE" ETC. AND DRAWING. Registered Oct. 20, 1931. E. C. Hall Company, doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., and Augusta, Maine. Renewed Oct. 20, 1951, to E. C. Hall Company, doing business as Nation-Wide Service Grocers and Nation-Wide Stores Co., Brockton and Hyannis, Mass., a corporation of Massachusetts. Tea, Bread, Coffee, Gelatine Dessert, Butter, Cane Sugar, Wheat Flour, Etc. Class 46.

288,393. POPSICLE. Registered Oct. 27, 1931. The Popsicle Corporation of the United States. Renewed Oct. 27, 1951, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Non-Alcoholic, Maltless Syrups Used in the Preparation of Frozen Confections. Class 46.

288,404. TRI-MO. Registered Oct. 27, 1931. Uddeholm Company of America, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Tool Steel. Class 14.

288,507. POPSICLE. Registered Oct. 27, 1931. The Popsicle Corporation of the United States. Renewed Oct. 27, 1951, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Frozen Confections. Class 46.

288,575. POPSICLE. Registered Nov. 3, 1931. The Popsicle Corporation of the United States. Renewed Nov. 3, 1951, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Wrappers and Bags Made of Glassine, Vegetable Parchment, Plain and/or Waxed Paper. Class 2.

288,591. SHOWOVEN. Registered Nov. 3, 1931. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Renewed Nov. 3, 1951. Bags Made of Paper, Cotton, Jute, or Like Materials. Class 2.

288,596. "SUNBEAM" ETC. AND DESIGN. Registered Nov. 3, 1931. Austin, Nichols & Co., Brooklyn, N. Y. Renewed Nov. 3, 1951, to Francis H. Leggett & Company, New York, N. Y., a corporation of New York. Canned Fruits—Namely, Fruits for Salad, Gooseberries, Thompson's Seedless Grapes, Etc. Class 46.

288,624. PARKTOWN. Registered Nov. 3, 1931. Fashion Park Associates, Inc. Renewed Nov. 3, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Coats, Vests, Pants, and Overcoats for Men and Boys. Class 39.

288,627. ATLAS. Registered Nov. 3, 1931. Chipman Chemical Engineering Company, Inc., Middlesex, N. J. Renewed Nov. 3, 1951, to Chipman Chemical Company, Inc., Bound Brook, N. J., a corporation of New York. Chemical Compositions for the Treatment of Boiler Feedwater To Prevent Incrustation and Corrosion, and Cattle Dip. Class 6.

288,727. "TRIM TRED" ETC. AND DESIGN. Registered Nov. 3, 1931. International Shoe Company, St. Louis, Mo., a corporation of Delaware. Renewed Nov. 3, 1951. Boots and Shoes of Leather, Fabric, and Combinations Thereof. Class 39.

288,737. CALIPH. Registered Nov. 3, 1931. The Hills Brothers Company, New York, N. Y., a corporation of New York. Renewed Nov. 3, 1951. Dried Dates. Class 46.

288,814. HERCANO. Registered Nov. 3, 1931. Hercules Motors Corporation, Canton, Ohio, a corporation of Ohio. Renewed Nov. 3, 1951. Internal Combustion Engines, Power Units, and Accessories, Etc. Class 23.

288,968. ORCHARD MAID. Registered Nov. 10, 1931. Orchard Products Company, Chicago, Ill., a corporation of Illinois. Renewed Nov. 10, 1951. Food Flavoring Syrups, Fruit Preserves, Jams, Jellies, Marmalades, and Fruit Butters. Class 46.

289,018. "GILL'S HOTEL SPECIAL" AND DESIGN. Registered Nov. 17, 1931. The James G. Gill Company, Norfolk, Va., a corporation of Virginia. Renewed Nov. 17, 1951. Coffee and Tea and Coffee Compounds. Class 46.

289,062. SCHILLING. Registered Nov. 17, 1931. A. Schilling & Co., San Francisco, Calif. Renewed Nov. 17, 1951, to McCormick & Company, Incorporated, Baltimore, Md., and San Francisco, Calif., a corporation of Maryland. Baking Powder and Cream of Tartar. Class 46.

289,079. "VIBRO-CAST" WITH HEAVY UNDERLINE. Registered Nov. 17, 1931. Electric Tamper & Equipment Co., Chicago, Ill. Renewed Nov. 17, 1951, to Electric Tamper and Equipment Company, Ludington, Mich., a corporation of Michigan. Tamping or Vibrating Machines Used in the Handling or Placing of Concrete. Class 23.

289,158. WILLOW DALE. Registered Nov. 17, 1931. May Hosiery Mills, Inc., Burlington, N. C. Renewed Nov. 17, 1951, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. Hosiery. Class 39.

289,235. "STEIN BLOCH TAILORS" AND DESIGN. Registered Nov. 24, 1931. Fashion Park Associates, Inc. Renewed Nov. 24, 1951, to Fashion Park, Inc., Rochester, N. Y., a corporation of New York. Coats, Vests, Pants, and Overcoats for Men and Boys. Class 39.

289,257. LINOLITE. Registered Nov. 24, 1931. Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Matrix Storage Magazines Forming a Part of Type Bar Casting Machines. Class 23.

289,271. "VIBRO-CAST" WITH HEAVY UNDERLINE. Registered Nov. 24, 1931. Electric Tamper & Equipment Co., Chicago, Ill. Renewed Nov. 24, 1951, to Electric Tamper and Equipment Company, Ludington, Mich., a corporation of Michigan. Concrete Forms, Concrete Pipes, Concrete Conduits, and Paving Materials of Concrete. Class 12.

289,314. CRYSTAL WEDDING. Registered Nov. 24, 1931. The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Renewed Nov. 24, 1951. Rolled Oats. Class 46.

289,327. WASHETTE. Registered Nov. 24, 1931. The Ohio Leather Company, Girard, Ohio, a corporation of Ohio. Renewed Nov. 24, 1951. Leather. Class 1.

289,575. "MASTER" ETC. WITHIN SHIELD DESIGN. Registered Dec. 1, 1931. Leach Company, Oshkosh, Wis., a corporation of Wisconsin. Renewed Dec. 1, 1951. Shovels. Class 23.

289,688. TERRAZZINE. Registered Dec. 1, 1931. Adams Wax Products Mfg. Inc., St. Paul, Minn. Renewed Dec. 1, 1951, to Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri. Polishing Preparation for the Treatment of Terrazzo and Cement Floors. Class 4.

289,841. SAUCY SUE. Registered Dec. 8, 1931. Ideal Novelty & Toy Co., New York, and Brooklyn, N. Y. Renewed Dec. 8, 1951, to Ideal Toy Corporation, Hollis, Long Island, N. Y., a corporation of New York. Dolls. Class 22

289,853. HY-TEX. Registered Dec. 8, 1931. The Oak Rubber Company, Ravenna, Ohio, a corporation of Ohio. Renewed Dec. 8, 1951. Toy Rubber Balloons. Class 22.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

412,242. "STEREO REALIST" AND DESIGN. Registered Feb. 27, 1945. The David White Company, Milwaukee, Wis. Stereoscopic Cameras, Stereoscopic Projectors, Etc. Class 26. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature, "The" should be deleted.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 5

ADHESIVES

Reg. No. 284,382. Registered June 23, 1931. Manhattan Paste & Glue Co., Inc., New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.



For Adhesives, Pastes, Glues, Gums.
Claims use since 1920.

Reg. No. 400,082. Registered Mar. 7, 1944. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

Scotchlite

For Adhesive Cements.
Claims use since Dec. 1, 1939.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 200,921. Registered July 14, 1925. Shawinigan Products Corporation, New York, N. Y., a corporation of New York. Republished by registrant.



For Calcium Carbide.
Claims use since October 1920.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 276,417. Registered Oct. 21, 1930. Sasieni London Ltd., New York, N. Y. Republished by Sasieni Ltd., London, England, a corporation organized under the laws of Great Britain.

The Royal Stuart

For Smokers' Pipes.
Claims use since June 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 207,185. Registered Dec. 22, 1925. Bundy Tubing Company, Detroit, Mich., a corporation of Michigan. Republished by registrant.



The words "Bundy Tubing" are disclaimed apart from the mark as shown.
For Metal Tubing.
Claims use since Oct. 15, 1922.

Reg. No. 289,329. Registered Nov. 24, 1931. Bundy Tubing Company, Detroit, Mich., a corporation of Michigan. Republished by registrant.

BUNDYWELD

For Metal Tubing, Shaped Tube Lengths, With and Without Fittings for Connecting Purposes Attached, Copper Welded and Coated Tube.
Claims use since Dec. 29, 1930.

Reg. No. 428,642. Registered Apr. 1, 1947. Bundy Tubing Company, Detroit and Center Line, Mich., a corporation of Michigan. Republished by registrant, present address Detroit, Mich.



For Metal Tubing and Shaped Metal Tube Lengths.
Claims use since May 4, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 443,939. Registered Apr. 25, 1950. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

CENTERLITE

For Liquid Pavement-Marking Composition Containing Glass Beads, for Application to Highway or Like Surfaces To Produce Thereon a Reflective Coating.
Claims use since at least November 1944.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 306,324. Registered Sept. 12, 1933. The Paris Medicine Company, Wilmington, Del., and St. Louis, Mo. Republished by The Grove Laboratories, Inc., St. Louis, Mo., a corporation of Delaware.

VIDEX

For Medicinal Tablet for the Relief of Dysmenorrhea, Neuralgia, Headache, Hiccough, Intestinal Spasms, Insomnia, Earache, and Pain in General.
Claims use since about Apr. 14, 1933.

Reg. No. 365,441. Registered Mar. 7, 1939. Roche-Organon, Inc., Nutley, N. J. Republished by Organon Inc., Orange, N. J., a corporation of New Jersey.

AMBINON

For Medical Preparation Containing Anterior Lobe Pituitary Extract, Indicated for Use in the Treatment of Pituitary Deficiencies, Hormone Imbalance, and Allied Disorders.
Claims use since Apr. 22, 1933.

Reg. No. 400,071. Registered Feb. 16, 1943. The Grove Laboratories, Inc., Wilmington, Del., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

"BROMO QUIDINE"

The term "Bromo" is disclaimed apart from the mark as shown.
For Tablets for the Relief of Colds, Headache, and Neuralgia.
Claims use since May 29, 1942.

Reg. No. 404,606. Registered Dec. 7, 1943. The Grove Laboratories, Inc., doing business as Beaumont Company, Wilmington, Del., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

4 WAY

For Pile Suppositories.
Claims use since about June 25, 1943.

Reg. No. 406,128. Registered Mar. 14, 1944. The Grove Laboratories, Inc., Wilmington, Del., and St. Louis, Mo., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

DEFENDER

For Vitamin Capsules.
Claims use since about Dec. 29, 1942.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 282,261. Registered Apr. 14, 1931. Lidgerwood Manufacturing Company, Elizabeth, N. J., and New York, N. Y., a corporation of New York. Republished by registrant, present address New York, N. Y.



The representation of the goods and the words "Hoist & Derrick Headquarters, Elizabeth, New Jersey, U. S. A." are disclaimed apart from the mark as shown.
For Hoisting, Digging, and Conveying Machinery and Parts Appurtenant Thereto.
Claims use since August 1930.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 299,989. Registered Jan. 3, 1933. Gamma Phi Beta, Chicago, Ill. Republished by Grand Council of Gamma Phi Beta, Chicago, Ill., an unincorporated association.

ΓΦB

For Jewelry for Personal Wear, Not Including Watches, All Made or Plated With Precious Metal.
Claims use since Nov. 11, 1874.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 284,275. Registered June 23, 1931. The Specialty Manufacturing Company, Cleveland, Ohio, assignor to The Pittsburgh Plate Glass Company, Pittsburgh, Pa. Republished by Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania.



The representation of the goods per se is disclaimed apart from the mark as shown.
For Wire, Tampico, and Bristle Brushes.
Claims use since June 1926.

Reg. No. 284,627. Registered July 7, 1931. Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.



The representation of the brush handle is disclaimed per se. The drawing is lined for orange.
For Painters' Brushes.
Claims use since Nov. 13, 1930.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 180,572. Registered Jan. 3, 1922. Sleep Well Mattress Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.



For Mattresses.
Claims use since June 1, 1886.

CLASS 37

PAPER AND STATIONERY

Reg. No. 226,850. Registered Apr. 19, 1927. The Wrenn Paper Company, Middletown, Ohio, a corporation of Ohio. Republished by registrant.

Basket Weave

For Blotting Paper.
Claims use since 1909.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 284,840. Registered July 7, 1931. Peanut Journal Publishing Co., Suffolk, Va. Republished by Nellie Osborn, Suffolk, Va.

Peanut Journal and Nut World

For Periodical.
Claims use since Feb. 5, 1931.

CLASS 39

CLOTHING

Reg. No. 144,410. Registered July 5, 1921. Hall Hartwell & Co., Troy, N. Y. Republished by The Shirtcraft Company, Inc., New York, N. Y., a corporation of New York.

SHIRTCRAFT

For Dress, Negligee, and Work Shirts Made of Woven Fabrics.
Claims use since about Mar. 1, 1917.

REISSUES

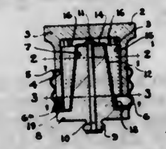
OCTOBER 2, 1951

23,413
SPIRAL FILM SPRAY NOZZLE
John U. Bete, Greenfield, Mass., assignor, by mesne assignments, to Bete Fog Nozzle, Inc., Greenfield, Mass., a corporation of Massachusetts
Original No. 2,518,116, dated August 8, 1950, Serial No. 650,341, February 26, 1946. Application for reissue May 25, 1951, Serial No. 228,332
5 Claims. (Cl. 299—130)



4. A nozzle for producing a spray directed upward around an axis comprising a generally tubular member having a throat portion receiving a liquid supply and forming it into a jet around said axis, a generally conical core member coaxial with said tubular member and positioned centrally in said jet and having a surface of revolution enlarging in the direction of flow of the jet along smoothly continuous lines curving from a direction partly radial at the apex toward a more nearly axial direction to divert the jet flow progressively outward in annular formation around said core member, and a vane winding helically around said core member and said annular jet and having an active surface inclined upward at an angle to said axis and also winding around said core member in helical formation and having a free inner edge at substantially constant distance from the said axis so as to be spaced progressively nearer to the surface of said core member, the jet issuing from said throat being progressively spread outward in said annular formation by said core member along the length of said vane to impinge on the said inner edge of the active surface thereof to be transformed into a relatively fine spray.

23,414
FUSE PLUG
George E. Holmes, Detroit, Mich.
Original No. 2,498,124, dated February 21, 1950, Serial No. 606,113, July 20, 1945. Application for reissue January 20, 1951, Serial No. 206,941
12 Claims. (Cl. 200—125)



1. In a device of the class described, a fuse carrier having a plurality of [upwardly and inwardly extending] grooves therein, a head member secured *against relative rotation* to the carrier [by engagement with flanges intermediate the grooves] and partially enclosing the carrier, a fuse member having a plurality of [outwardly and downwardly extending] legs each leg forming a fuse element disposed within one of the grooves, a central connection from the fuse member to the lowermost portion of the carrier, a threaded contact shell freely rotatably secured to the head member, [and having an inwardly extending flange portion adapted] *said fuse carrier, head member and contact shell being assembled and secured* to exert downward pressure on the carrier when the device is tightened into a fuse socket, and a spring contact member carried by the shell and disposed to *transmit turning force applied to said head to said shell and to* establish successively an electrical connection to each of the fuse elements upon rotation of the shell with respect to the *head and* carrier.

PLANT PATENTS

GRANTED OCTOBER 2, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,042
ROSE PLANT
Milton L. Whisler, Van Nuys, Calif., assignor to Germain's, Inc., Van Nuys, Calif., a corporation of California
Application June 22, 1950, Serial No. 169,634
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the hybrid polyantha class, characterized as to novelty by its freedom of bloom, its bushy and much branched habits of growth, its unusually long stems for a rose of this class, its leathery foliage, the bright color of its flowers, and by the ability of its flowers to hold their color at all times, substantially as shown and described.

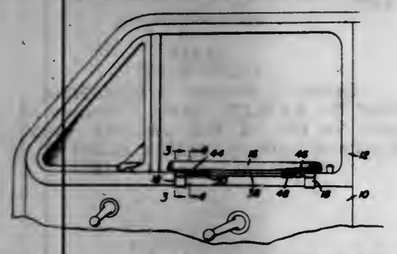
1,043
HYBRID TEA ROSE PLANT
Nicholas Grillo, Milldale, Conn.
Application February 15, 1950, Serial No. 144,346
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, substantially as herein shown and described, characterized particularly by its prolific production of blooms; its long, strong stems; its large bud; its plentiful foliage which is lighter in color than that of its parents; and its large blooms possessing excellent keeping qualities as well as unfading and equally distributed dark red color which is a little darker and more uniform than that of its parent.

PATENTS

GRANTED OCTOBER 2, 1951

2,569,436
ARMREST
John M. Allen, Sr., Mart, Tex.
Application March 8, 1949, Serial No. 80,296
2 Claims. (Cl. 296—49.2)



1. For use with a vehicle door housing a window pane and a sill, an arm rest including a base having a planar lower surface, means pivoted to said lower surface for attaching said base to the sill and said base being disposed above the window pane whereby when the window is lowered, the base covers at least a part of the sill and the top edge of the window pane, and said base attaching means including a hinge pin, said pin having terminal lugs, clips non-rotatably carried by said lugs and adapted to fasten to the sill; a bracket secured to said lower surface and having said pin passed therethrough and a spring attached at its ends to said bracket and said pin to urge said base pivotally about said pin as an axis.

2,569,437
VALVE CONTROL FOR WELL TOOLS
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application April 26, 1946, Serial No. 665,174
18 Claims. (Cl. 166—1)



1. A well tool, including tubular means adapted to be lowered in a well bore and having an open outlet through which well fluid can flow between the interior and exterior of said tubular means when said tubular means is in the well bore, means for controlling fluid flow through said outlet comprising a valve housing forming part of said tubular means, said housing having an upper chamber and an intermediate seat above said outlet and a lower chamber below said intermediate seat, a piston valve movable in said housing to locations within said chambers and in sealing engagement with said seat, said piston valve being spaced laterally from the walls of said chambers when disposed in said chambers to provide a passage for fluid around said piston valve from the interior of said tubular means through said outlet, said piston valve preventing such fluid flow when positioned in sealing engagement with said seat, and means depending from and connected to said piston valve for effecting relative movement of said piston valve in said housing between said chambers and seat.

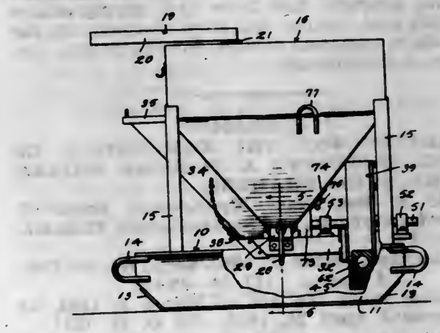
2,569,438
HOLLOW GRATE BAR ASSEMBLY
Josef Batik, Prague, Czechoslovakia
Application July 18, 1947, Serial No. 761,922
In Czechoslovakia January 23, 1947
2 Claims. (Cl. 110—74)



1. A grate comprising a plurality of elongated grate bars disposed in parallel spaced relation to form a fuel bed support with spaces between the bars for natural draft and the discharge of ashes therethrough, an undergrate structure comprising a plurality of elongated hollow ribs disposed in parallel spaced relation, one beneath each of said grate bars, said hollow ribs including spaced side walls open at the top and each seating a grate bar in the open top between the upper portions of the side walls thereof, said side walls having inwardly raised portions at longitudinally spaced intervals seating against said grate bars to space the remainder of the walls therefrom and defining with said grate bar slots for the upward discharge of gaseous combustion medium supplied under pressure to said hollow ribs, said inwardly raised portions being disposed closer together adjacent the ends of the ribs than in the remainder of the length thereof to effect even distribution of gaseous medium throughout the length of said discharge slots.

2,569,439
MUD MIXING MACHINE
William Pearle Blake, Fairmont, Okla., assignor to K & B Manufacturing Company, Fairmont, Okla.
Application March 26, 1951, Serial No. 217,420
3 Claims. (Cl. 259—9)

1. A mud mixing machine comprising a frame, a hopper carried by said frame, a receiver connected with the lower end of said hopper, and a suction means connected with said receiver, said suction means comprising a housing having an intake opening communicating with said receiver, opposed inlet and outlet bosses carried



by said housing, said inlet boss having a tapered bore, a jet nozzle in said tapered bore, and a combined suction and impeller member rotatably disposed in said housing.

2,569,440
SEPARATION OF ISOPHTHALIC ACID FROM TEREPHTHALIC ACID BY NONCATALYTIC ESTERIFICATION
Robert J. Agnew, Pawling, and Robert E. Conary, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1949, Serial No. 109,818
10 Claims. (Cl. 260—525)

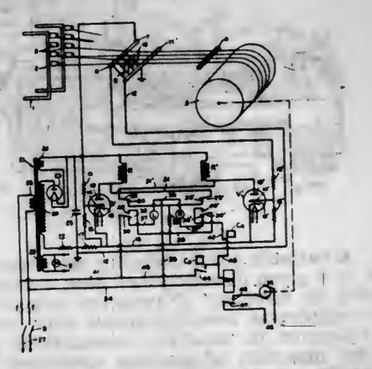
1. A process for separating terephthalic acid, and homologs thereof from a mixture of benzene dicarboxylic acids which comprise subjecting said mixture to non-catalytic esterification with a monohydroxy alcohol at a temperature between 110 and 225° C. and separating non-esterified terephthalic acid, and homologs thereof from the mixture.

2,569,441
CATALYTIC CONVERSION OF POLYCHLOROCYCLOHEXANES TO POLYCHLOROBENZENE
Francis N. Alquist, Joseph L. Wasco, and Kenneth C. Kauer, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 14, 1949, Serial No. 81,402
3 Claims. (Cl. 260—650)

1. The method which consists essentially in heating a compound from the group consisting of benzene hexachloride, monochlorobenzene hexachloride and dichlorobenzene hexachloride with from 0.5 to 5 per cent of its weight of anhydrous aluminum chloride at a temperature above 90° C. at which hydrogen chloride is liberated, until about 3 moles of hydrogen chloride is liberated per mole of feed, and recovering the resultant polychlorobenzenes.

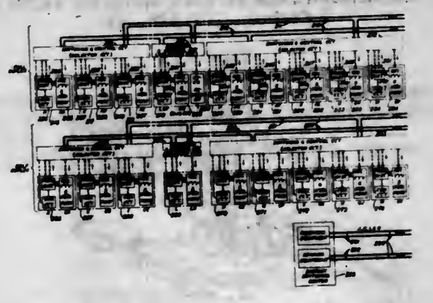
2,569,442
ELECTRONIC TEXTILE CONTROL DEVICE
Wilmer C. Anderson, Greenwich, Conn., assignor to Deering Milliken Research Trust, Greenwich, Conn., a nonprofit trust of Maine
Application April 7, 1950, Serial No. 154,511
14 Claims. (Cl. 28—51)

1. In a textile machine, the combination comprising means for advancing a plurality of threads under tension, guide means for each thread movable in response to reduction in tension of its associated thread, a pair of electrical contacts associated with each guide means and adapted to be closed upon movement of the associated guide means, a source of electrical energy, a plurality of circuits, each including an electronic tube and a relay connected in series across said source,



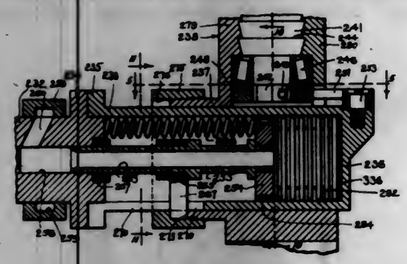
a control circuit for each tube, each control circuit including a plurality of said pairs of electrical contacts and operating upon closure of any pair of contacts therein to deenergize the tube controlled thereby, means responsive to release of a relay consequent to deenergization of the tube in series therewith for stopping said first mentioned means and interlocking means preventing successive release of said relays.

2,569,443
TELEGRAPH STORAGE SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1946, Serial No. 674,723
16 Claims. (Cl. 178—3)



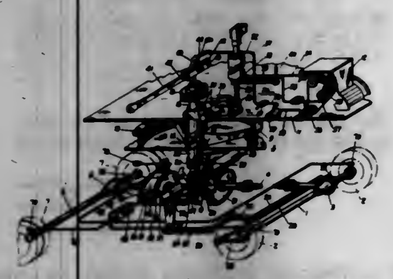
1. In a telegraph switching system, an outgoing line provided with a plurality of transmitters operable one at a time to transmit messages thereover, a respective plurality of storage devices for storing messages to be transmitted by said transmitters, and transmitting means for delivering messages to said storage devices, in combination with means whereby said transmitting means when conditioned by addresses of certain messages may deliver said messages to some only of said storage devices, and other means whereby when conditioned by addresses of other messages may deliver said other messages to any one of all of said storage devices.

2,569,444
PROPELLER PITCH CONTROL
Thomas A. Banning, Jr., Chicago, Ill.
Application January 18, 1945, Serial No. 573,382
14 Claims. (Cl. 170—160.13)



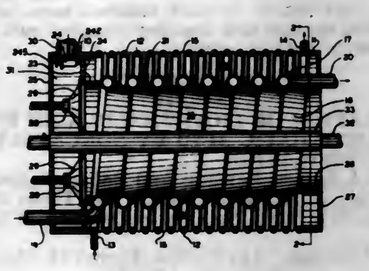
1. A variable pitch propeller for normal traction in a given direction including a support rotatable in direction of propeller rotation blade stub supporting means movable with respect to said support in direction substantially parallel to the direction of traction developed by the propeller rotation, means to vary the pitch of blades with said movement of said blade stub supporting means with respect to said support, movable means in connection with said blade stub supporting means, and means in connection with said movable means exerting a constant force on said movable means in direction opposite to traction developed by said propeller during its rotation, said force being constant throughout the range of movements of the blade stub supporting means, substantially as described.

2,569,445
BRAKE CONTROL MECHANISM FOR CRANE TYPE VEHICLES
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application June 21, 1948, Serial No. 34,264
2 Claims. (Cl. 188—18)



1. In a rotatable swing body type of vehicle having a traction base supported by traction wheels and a hollow center trunnion forming the rotating connection between the base and body, a tubular rod extending through the said trunnion and projecting upwardly above the body and downwardly into the traction base, first brake operating means for braking wheels of the traction base operably connected to the said rod at its lower end, means on the body for imparting movement to the rod for actuating the said brake means, second brake operating means for the traction wheels carried by the traction base including fluid operated devices, a source of supply of pressure fluid on the body, and means for passing pressure fluid from said supply source through said tubular rod from the body to the said fluid operated devices for controlling the action of said devices.

2,569,446
APPARATUS FOR THE COMBUSTION OF FUEL, INCLUDING A TUBULAR WALLED COMBUSTION CHAMBER
Claude A. Bonvillian, Wynnewood, Ralph C. Brierly, Narberth, and Samuel Letvin, Philadelphia, Pa.
Application October 18, 1943, Serial No. 506,670
4 Claims. (Cl. 60—39.32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for the combustion of fuel comprising means forming a casing, means within the casing forming a combustion chamber and spaced from the inner wall of the casing, means for projecting fuel and primary air into the chamber wherein the fuel is ignited and burns in a moving stream therein, the means forming the combustion chamber being constructed and arranged to provide an opening adjacent the burning fuel stream, means for supplying air to the space between the casing and the chamber for passage through said opening into the chamber, the means forming the combustion chamber comprising a tubular member of spiral form with the loops thereof spaced apart, a spiral member V-shaped in transverse cross-sectional configuration having the ends of the legs thereof fixed to the tubular member in such manner that one leg extends between adjacent loops in spaced relationship to one of said adjacent loops and the other leg extends substantially longitudinally of the combustion chamber, and means for supplying a coolant to said tubular member.

2,569,447
HYDROGENATED ROSIN ACID SOAPS IN BUTADIENE - HYDROCARBON AQUEOUS EMULSION POLYMERIZATION
Joseph N. Borglin and Philip A. Ray, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1944, Serial No. 540,886
15 Claims. (Cl. 260—27)

15. The process of polymerizing in aqueous emulsion in the presence of an alkali metal salt of a hydroabietic acid a monomeric material consisting of a mixture of a conjugated butadiene hydrocarbon and a monolefinic compound polymerizable with a peroxide catalyst and containing the $CH_2=C<$ group.

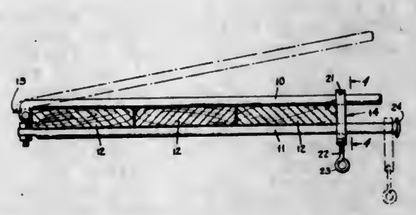
2,569,448
DEHYDROABIETIC ACID SALTS AS EMULSIFIERS IN AQUEOUS DIOLEFIN POLYMERIZATION
Joseph N. Borglin, Wilmington, Del., and Philip A. Ray, Lakewood, Colo., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 7, 1945, Serial No. 603,746
18 Claims. (Cl. 260—27)

5. The process which comprises copolymerizing isoprene and a monolefinic compound polymerizable with a peroxide catalyst and containing the $CH_2=C<$ group in aqueous emulsion in the presence of an alkali metal salt of dehydroabietic acid as emulsifying agent.

2,569,449
AQUEOUS EMULSION POLYMERIZATION OF STYRENE IN THE PRESENCE OF A SALT OF DEHYDROABIETIC ACID
Joseph N. Borglin, Wilmington, Del., and Philip A. Ray, Denver, Colo., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application July 7, 1945, Serial No. 603,746. Divided and this application August 19, 1948, Serial No. 45,217
3 Claims. (Cl. 260—93.5)

1. The process which comprises polymerizing a monomeric material consisting essentially of styrene in aqueous emulsion in the presence of an alkali metal salt of dehydroabietic acid as the emulsifying agent.

2,569,450
CLAMP
Hiram M. Bouton, South Norwalk, Conn., assignor to The Norwalk Clamp Corporation, Norwalk, Conn., a corporation of Connecticut
Application August 1, 1947, Serial No. 765,449
1 Claim. (Cl. 24—251)



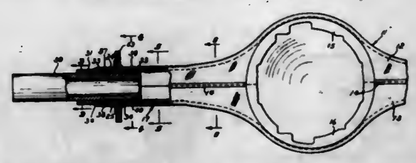
A clamp for securing together a plurality of planks in side-by side relation comprising a pair of rigid bars extending across the planks and adjustably hinged together at one end by hinge means including a rigid member having a pivoted connection to one of the bars whereby the bars may be readily swung open for easy insertion of the planks therebetween, said hinge means fixing the spacing between the bars at said end in accordance with the thickness of the planks; and means embracing the other ends of the bars and slidable thereon into engagement with the edges of plank assemblies of various widths to prevent lateral movement of said planks and having means for drawing said bars together and clamping said planks therebetween to prevent longitudinal movement of said planks.

2,569,451
DIVING SUIT
Jack Browne, Milwaukee, Wis., assignor, by mesne assignments, to Diving Equipment and Supply Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 28, 1946, Serial No. 650,916
12 Claims. (Cl. 128—145)



5. A breathing apparatus for under water divers comprising: a mask having a transparent window and side walls provided with a yieldable marginal edge portion shaped to snugly fit around the face of the wearer; means for holding the mask in place; inlet and outlet ports in the side walls of the mask; valves for said ports, the former adapted to open on inhalation and the latter upon exhalation; a hollow fitting secured to the side wall of the mask over the inlet port and in open communication therewith, said fitting having two air admission ports; an air supply line connected with one of said two air admission ports; an air reservoir bag; a flexible duct connecting the other one of said two air admission ports of the fitting with said air reservoir bag; and said outlet port communicating directly with the exterior of said mask when open.

2,569,452
FLUTED AXLE HOUSING
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application July 24, 1947, Serial No. 763,355
5 Claims. (Cl. 74—607)



1. An axle housing having tubular arms of substantially rectangular cross section, wheel bearing sleeve support portions at the outer ends of said arms, housing walls in said wheel bearing sleeve support portions formed with circumferentially spaced internally concave surfaces of substantial area, the midpoints of the surfaces on one pair of walls being disposed in a substantially vertical plane and the midpoints of the surfaces on the other pair of walls being disposed in a substantially horizontal plane, cylindrical wheel bearing sleeves having their inner

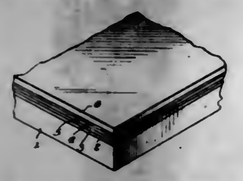
ends mounted in said support portions in peripheral contact with said surfaces, and means permanently welding said sleeves to said support portions at said surfaces.

2,569,453

VITREOUS ENAMEL BASE STOCK, VITREOUS ENAMELED ARTICLES AND METHOD

Allan E. Chester, Highland Park, and Irwin Herbert Schram, Jr., Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware

Application September 14, 1949, Serial No. 115,706
12 Claims. (Cl. 148—6.17)



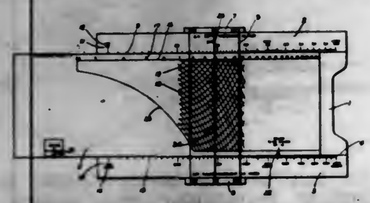
6. A method of controlling the adherence of vitreous enamels to low carbon ferrous metals which consists essentially in pickling a ferrous metal in a sulfuric acid pickling bath containing 4% to 8% by weight sulfuric acid, a quantity of an oxidizing compound of manganese effective to accelerate the rate of pickling and a quantity of an inhibitor for the formation of black specks in the enamelled products rinsing the resultant pickled ferrous metal in a slightly acid bath, treating the pickled surface of the ferrous metal with a phosphoric acid etching bath containing an inhibitor for the formation of black specks in the enamelled product and a compound which decomposes to liberate elemental sulfur in said bath to form a ferrous metal having an etched surface with a coating of phosphate and elemental sulfur thereon, sealing said coating with a thin plated coating of antimony, sealing said antimony coating with a thin plated coating of nickel and firing a vitreous enamel over said nickel coating.

2,569,454

SLIDE RULE

Donald L. Cole, Groton, Conn.

Application January 30, 1948, Serial No. 5,474
3 Claims. (Cl. 235—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A slide rule comprising a body member and a slide member, a first scale on said body member and a second scale on said slide member adapted to register with the first scale, graduations on the first scale representing log depth of an observer, graduations on the second scale representing log tangent of the angle of inclination of a target relative to the observer, a third scale on one of said members, graduations on the third scale representing log range of the target, an index on the other of said members adapted for registration with the third scale, curves inscribed on the slide representing change in log range of the target with change in velocity of an echo beam between the observer and target, a cursor, and graduations on the cursor representing change in velocity and adapted for registration with said curves, said curves having their respective points of origin at respective ones of said graduations and said cursor being slidable over said body member and said slide member.

2,569,455

MAKING FURFURYL SILICATE

James B. Culbertson, Lockport, Hendrik de W. Erasmus, Lewiston, and Robert M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application June 8, 1949, Serial No. 97,925
1 Claim. (Cl. 260—345)

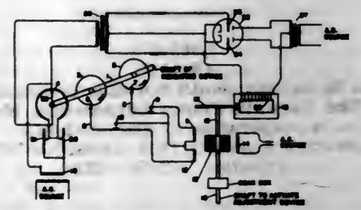
A method for making furfuryl silicate which comprises reacting silicon disulfide with furfuryl alcohol.

2,569,456

CONTROL DEVICE

Russell E. Cushing and Ross L. Swenson, Wyandotte, Mich., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 1, 1947, Serial No. 745,300
6 Claims. (Cl. 318—382)



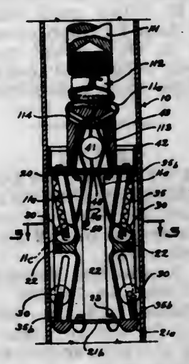
1. In a floating action automatic controller, a controlling means that comprises an initial control element associated through a plurality of electrical circuits with a final control element capable of motion, the initial control element being responsive to deviations of the controlled variable from a set point and being equipped with trip mechanisms to modify electrical characteristics of electrical circuits associating the initial and final control elements, said modifications having opposite effects for opposite deviations of the controlled variable from its set point, so as to move the final control element in one direction for a deviation of the controlled variable beyond said set point in the one direction, and to move the final control element in an opposite direction for a deviation of the controlled variable beyond the set point in the opposite direction, the initial control element being further associated with a potentiometer connected to apply a blocking bias to the grid of an electron tube, the amount of said bias being least when the initial control element is at the position corresponding to the set point of the controlled variable, and said bias becoming increasingly greater as the controlled variable departs further, in either direction, from the set point, the plate circuit from said electron tube being connected to energize an electromagnetic brake arranged to reduce the rate of motion of the final control element in accordance with the energization of the brake, whereby the braking action varies with the magnitude of the deviation, in either direction, of the controlled variable from its set point.

2,569,457

BRIDGING PLUG FOR WELLS AND THE LIKE

Orie O. Dale, Bakersfield, and John D. Chesnut, San Marino, Calif., assignors to International Cementers, Inc., Long Beach, Calif., a corporation of Delaware

Application November 28, 1947, Serial No. 788,706
16 Claims. (Cl. 166—13)



1. In settable pipe plugs of the type which include a plug body, gripping means mounted on the body and adapted to engage a pipe wall to lock the body against relative upward movement in the pipe, a second gripping means mounted on the body and adapted to engage the pipe wall to lock the body against relative downward movement in the pipe, said second gripping means being movable with relation to the body between a position out of pipe engagement and a position in pipe engagement, and means urging the second gripping means from the non-engaging to the engaging position; plug placing and setting means comprising a detent receiving passage in the plug body extending across the path of movement of the second gripping means, a supporting and control line, a detent which forms a continuation of said line and is adapted to lie in said receiving passage across said path of movement of the gripping means to hold that gripping means in non-engaging position, and means forming a party of the detent and line and normally holding the detent in said passage, said last named means being releasable by an upward pull exerted on the supporting and control line.

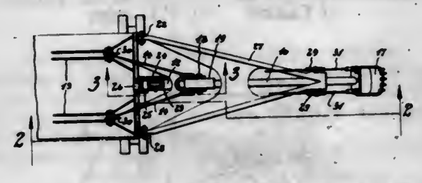
2,569,458

FRONT END FOR EXCAVATING MACHINES

Trevor O. Davidson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application November 17, 1947, Serial No. 786,446
3 Claims. (Cl. 214—135)

1. In an excavating machine the combination of: a base; an elevated structure thereon; a hoist winch; an upwardly inclined boom mounted at its foot on the base for free swivelling movement about the longitudinal axis of the boom; support means for the boom, extending from the elevated structure to approximately the upper end of the boom and swivelly connected to the boom for said swivelling movement of the boom; a mast mounted at its foot on the base and inclined upwardly therefrom with its upper end extending appreciably beyond the upper end of the boom; support means for the mast distinct from the boom support means and extending from the elevated structure to the upper end of the mast; a sheave carried by the mast approximately at its upper end; a dipper handle; a digging dipper carried by the handle; support means connecting the dipper handle to the boom at approximately the upper end of the boom, said support means including a transverse horizontal shipper shaft located approximately at the upper end of the boom and a saddle block pivoted on said shipper shaft for swinging in a vertical plane, the handle being mounted in said saddle block for reciprocating movement with respect to the boom along the axis of said handle; means to reciprocate the handle assembly; and a hoist line, distinct from the boom support means and extending from a direct connection to the dipper and handle, over the sheave, to the winch.

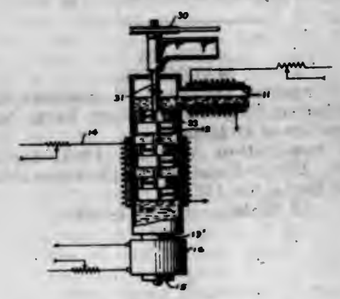


2,569,459

METHOD AND APPARATUS FOR STIRRING GLASS

Charles F. De Voe, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application August 9, 1945, Serial No. 609,876
9 Claims. (Cl. 49—77)

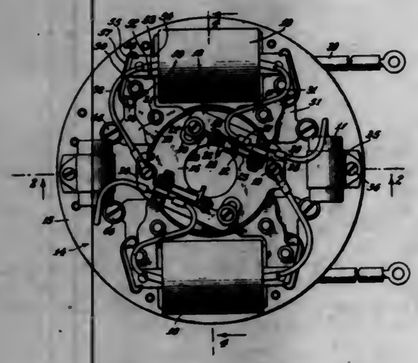


1. In a glass conditioning apparatus a cylinder, a shaft coaxial therewith, sets of arcuate impeller blades within said cylinder radially projecting from said shaft into close proximity of the wall of the cylinder bore, the curvature of the blades of one set being reversed with respect to the curvature of the blades of another of the sets, the curvature of each of the blades being about an axis parallel to the axis of said shaft, each blade having a web member in the form of a segment of a disk extending in a plane normal to the axis of the shaft and having its curved edge joined to the inner curved surface of the blade.

2. The method which includes continuously flowing molten glass through a substantially vertical cylindrical space, and counteracting the forward movement of glass along the periphery of

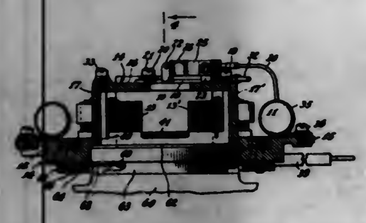
the space by continuously mechanically forcing glass which is inward of such periphery outwardly toward such periphery while simultaneously imparting a circular motion to the glass.

2,569,460
MAGNETO
Glen H. Dingman, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application May 23, 1946, Serial No. 671,695
12 Claims. (Cl. 171—209)



1. A magneto comprising a mounting plate having a depressed, apertured seat, a coil adapted for mounting in said seat, and a flexible hollow protector adapted to receive the coil in the seat having a protuberance adapted to project through said aperture in protective relation to a coil lead, said protuberance having an aperture in a flexible wall thereof through which the coil lead extends and in which it has a close fit.

2,569,461
MAGNETO
Glen H. Dingman, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Original application May 23, 1946, Serial No. 671,695. Divided and this application February 9, 1950, Serial No. 143,203
12 Claims. (Cl. 171—209)



1. A connection comprising an annular body having an annular groove in the curved side beneath the end, a frame having a portion adapted to rest upon the annular body, a plate attached to the frame in proximity to the annular body having circularly projecting arms with offset, cam-like ends adapted to enter said groove, and means to adjust said plate and to fix it in adjusted position.

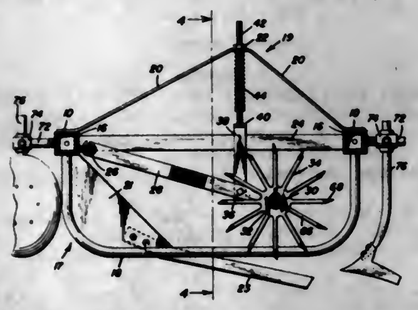
2,569,462
EMULSION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
Arthur E. Drake, Hockessin, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1946, Serial No. 656,521
10 Claims. (Cl. 260—82.3)

1. The process which comprises polymerizing an organic compound containing the $CH_2=C<$ group and which is capable of being polymerized by a peroxide catalyst, in aqueous emulsion in the presence of a catalyst comprising a water-soluble persulfate and an aryl(dialkyl)methyl hydroperoxide in which each alkyl group contains not more than 4 carbon atoms, said hydroperoxide being in an amount providing active oxygen equivalent to between about 5% and about 50% of the active oxygen provided by the persulfate.

2,569,463
TREATMENT OF NAPHTHA CONTAINING OXYGENATED COMPOUNDS
Du Bois Eastman, Montebello, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1947, Serial No. 788,329
3 Claims. (Cl. 260—450)

1. In a process for the synthesis of motor fuel hydrocarbons by the interaction of carbon monoxide and hydrogen in the presence of a catalyst of the iron group, the improvement comprising separating from the products of the synthesis reaction a hydrocarbon fraction boiling within the range of from about 100° F. to about 400° F. and containing oxygen-containing compounds produced by the reaction, and passing said fraction in vapor phase in admixture with steam in an amount within the range of from about 5 to 50 weight percent of the hydrocarbon-steam mixture into contact with fuller's earth at a temperature within the range of from about 700 to about 900° F. and at a pressure within the range of from about atmospheric to about 25 pounds per square inch gauge for a period of time effective to substantially improve the octane value of said fraction.

2,569,464
AGRICULTURAL CRUST BUSTING IMPLEMENT
Ross Edwards and Jack Brogden, Lubbock, Tex.
Application October 2, 1947, Serial No. 777,432
4 Claims. (Cl. 97—52)



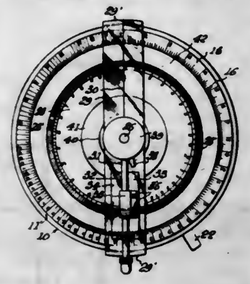
1. An agricultural implement comprising a frame having a pair of spaced cross members and a plurality of wheeled units detachably and adjustably mounted on said cross members, each of said wheeled units including forward and rear housing members slidably received on said cross members, a pair of tubular U-shaped skids terminally fixed to said housing members, webs fixed to and reinforcing said U-shaped skids, blades mounted on said webs, a pair of levers pivoted on said forward housing member, a shaft joining the free ends of said levers, a tool mounted on said shaft for rotation, and a spring mounting for said levers and including a spring operatively connected to the free ends of said levers and urging the free ends of said levers and said tool downwardly.

2,569,465
FISH LURE
Lloyd A. Farr, Inglewood, Calif.
Application February 1, 1949, Serial No. 74,030
3 Claims. (Cl. 43—42.06)



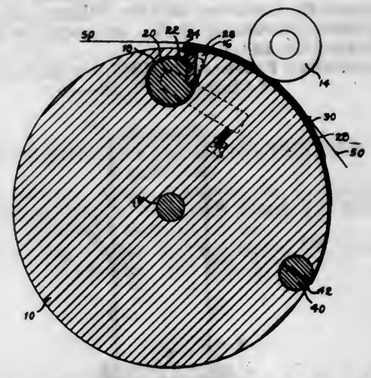
2. A fish lure, including: a tubular body of uniform inside diameter continuously curved throughout its entire length, and having its forward end face slanted from the bottom side to the top side of the body to provide an ovate opening at its forward end, and its rear end face slanted upwardly and forwardly at the bottom side of the body to provide an ovate opening at the bottom side of the body.

2,569,466
CALCULATOR
Karl A. Fischer, College Park, Md.
Application August 2, 1949, Serial No. 108,177
4 Claims. (Cl. 235—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A calculating instrument for multiplication and division by addition and subtraction of logarithmic numbers comprising a frame mounting, a stationary transparent cross bar secured over the top of said frame mounting, a pair of identically marked logarithmic scales arranged concentrically in spaced relationship in said frame mounting, one of said scales rotatably supported upon the base portion of said frame mounting, brake means for stopping the movement of said base supported scale, the other of said scales being suspended by the said stationary transparent cross-bar, an indicating line on said cross-bar, friction-face clutch members between said scales, a turn pin attached to one of said scales supported by said cross-bar, stop means on said pin, and abutting means secured on said cross-bar to cooperate with said stop means, whereby the scale attached to said turn pin is automatically set on the zero point at the said indicating line when the said stop means properly engages the said abutting means.

2,569,467
PACKING CYLINDER SLIDE SHEET
William H. Fort, Dayton, Ohio, assignor of one-half to Homer L. Bishop and Earl E. Stansell, doing business as Bishop-Stansell Company, West Carrollton, Ohio
Application February 5, 1948, Serial No. 6,540
16 Claims. (Cl. 101—401.3)

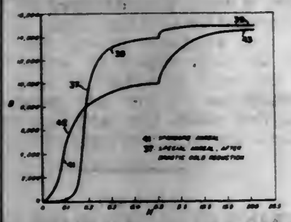


1. A packing sheet assembly for use on a packing cylinder of a printing press, said packing cylinder being provided with a head clamp and a tail clamp, said packing sheet assembly including a base sheet having a flange adapted to be clamped in the head clamp of the packing cylinder said base sheet having a tapered trailing end adapted to be clamped in the tail clamp of the packing cylinder, a traveling sheet overlying at least a portion of the base sheet, said traveling sheet having a flange extending in parallel relation to the flange of the base sheet and clamped in the head clamp, the length of said traveling sheet being less than the length of the base sheet, the thickness of the packing sheet throughout the usable exposed portion on the packing cylinder being substantially constant, means for releasably securing the trailing end of the second sheet to the base sheet so as to permit limited movement of the second sheet with respect to the base sheet.

2,569,468
METHOD OF PRODUCING GRAIN ORIENTED FERROMAGNETIC ALLOYS
Edward A. Gaugler, Alexandria, Va.
Application June 16, 1948, Serial No. 33,298
4 Claims. (Cl. 148—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

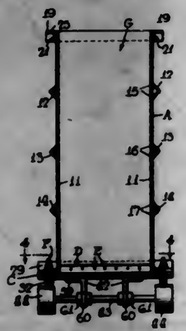
2. A method of producing grain-oriented ferromagnetic alloys having superior magnetic and electrical characteristics comprising the steps of grain-orienting a grain-orientable alloy by a

severe cold reduction providing a thickness reduction of about 99% so as to align the grains thereof in a preferred direction of magnetization,



and annealing said grain-oriented alloy in a magnetic field applied to the alloy in said preferred direction of magnetization.

2,569,469
SOAP MOLDING FRAME
Samuel H. Gersten, Middle Village, and Jacob Rashal, Brooklyn, N. Y., assignors to Practical Patent Co. Inc.
Application February 24, 1947, Serial No. 730,524
19 Claims. (Cl. 18—40)

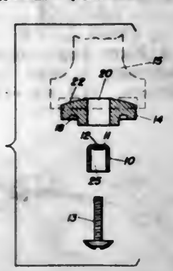


1. A forming frame for plastic materials comprising a sheet metal frame, open at its upper end and lower end and having end walls and side walls integrally united together, said frame having attachment means at its upper end enabling it to be lifted and lowered, and a separable wood sealing plate extending the full length and width of the base of the frame at its lower end enabling it to be sealed and a carrier covered by said wood sealing plate detachably receiving and supporting the lower end said frame having outwardly extending flanges at its lower end and said carrier being provided with hingedly mounted connection bolts on the lower side thereof, and the edges of the sealing plate, the carriage and the flanges having superimposed slots receiving said connection bolts for clamping the carrier, sealing plate and frame together.

2,569,470
COMPOSITIONS COMPRISING ACRYLONITRILE AND HYDROLYZED POLYVINYL ACETATE
Hugh J. Hagemeyer, Jr., Elizabeth L. Ogiesby, and John R. Caldwell, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 7, 1950, Serial No. 166,776
13 Claims. (Cl. 260—45.5)

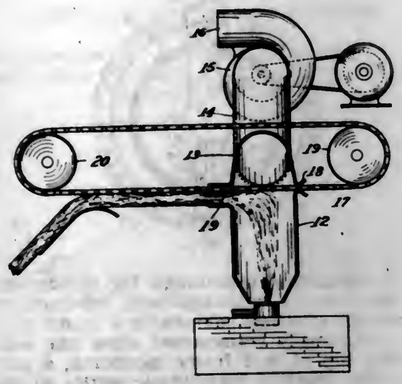
1. A process for preparing a composite polymer of acrylonitrile and a polyvinyl resin comprising heating in the presence of a peroxide polymerization catalyst a mixture comprising from 60 to 85 per cent by weight of acrylonitrile and from 40 to 15 per cent by weight of polyvinyl acetate hydrolyzed to the extent that from 20 to 50 per cent by weight of the molecule is composed of polyvinyl alcohol units.

2,569,471
COMBINED SPIGOT WASHER AND CONTRACTING LINER
Hiram R. Harding, Baltimore, Md.
Application December 9, 1949, Serial No. 132,156
3 Claims. (Cl. 251—160)



1. A washer unit of the class described comprising in combination, a washer having a central passage therein and its periphery formed to fit the seat of the head on a faucet stem, a hollow sleeve fitting in said passage and including a partly closed in end adapted to fit against said head and having a hole therethrough and hold the sleeve and washer in place in the head, said hole being so formed in the closed-in end as to permit it to adjust itself to the diameter of the screw when the latter is screwed therein.

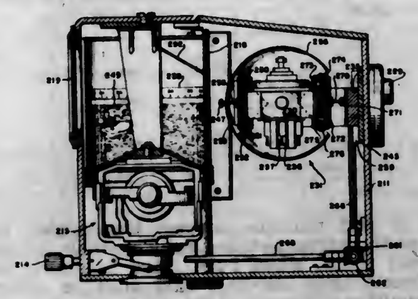
2,569,472
APPARATUS AND METHOD FOR MANUFACTURING SILICATE FIBERS AND FRIT
Ernest M. Hommel, Pittsburgh, Pa., assignor to The O. Hommel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1947, Serial No. 783,831
3 Claims. (Cl. 18—2.5)



2. Apparatus for converting fused glass into fibers comprising a forehearth in which molten glass is maintained, a nozzle immersed in the glass and projecting from the forehearth normal to the plane of the forehearth, said nozzle having a cup-shaped terminal in the outermost end

thereof, means for directing a stream of air in a direction generally axial of the nozzle annularly about the nozzle and with a generally non-swirling motion whereby the glass is drawn through the nozzle and drawn off the lip of the cup as fibers and carried in a substantially straight path away from the nozzle.

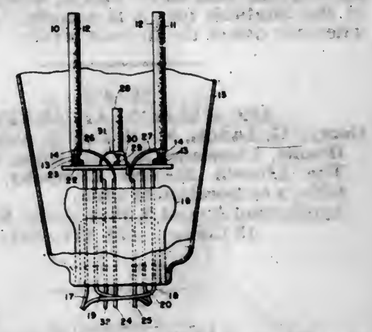
2,569,473
FLIGHT INSTRUMENT FOR AIRCRAFT
George W. Hoover and Erving E. Easton, United States Navy
Application June 30, 1945, Serial No. 602,626
6 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



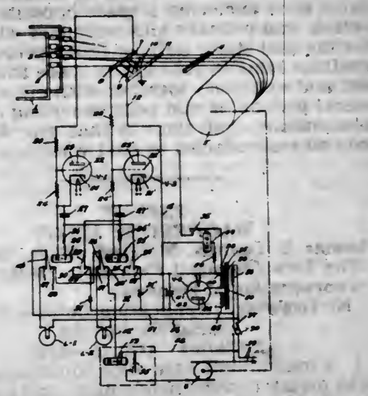
1. In an aircraft flight instrument, a gyroscope operable to spin about a normally vertical axis, a gimbal ring, a housing for said gyroscope mounted in front and rear bearings in said gimbal ring for rotation about a longitudinal axis, means defining a first airplane silhouette mounted for rotation on said gimbal ring about the same longitudinal axis as said gyroscope housing on the outside of said gimbal ring adjacent said front bearing, means defining a horizon line adjacent said first silhouette and comprising a cylindrical polarized transparent element rotatable about a vertical axis and having a pictorial representation of a view from an aircraft, means for rotating said cylinder with respect to said silhouette, and polarized means to conceal a selected portion of said cylinder and means defining a second silhouette mounted similarly to said first silhouette but adjacent said rear bearing, means supporting said gimbal ring for rotation about a transverse axis, and means connecting said silhouettes to said gyroscope whereby each silhouette will be rotated about the longitudinal axis but in the opposite direction from the direction of rotation of said gyroscope housing during movements of the aircraft about a longitudinal axis.

2,569,474
ELECTRODE STRUCTURE FOR GASEOUS DISCHARGE DEVICES
Thomas F. Jones, Alexandria, Va.
Application October 25, 1945, Serial No. 624,609
1 Claim. (Cl. 313—188)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A discharge device comprising an envelope containing an ionizable gas, a plurality of thermionic emissive working electrodes, a protective thermionic emissive electrode, and an indirect heater element for each electrode, all said working electrodes being insulated from each other and from said heater elements, said protective electrode being of lower work function than said heater elements and directly electrically connected to all said heater elements, whereby any difference in potential between the protective electrode and any working electrode will be maintained the same as that between that working electrode and the heater elements so that any ions oherwise tending to pass to the heater elements will in preference pass to the lower work function protective electrode.



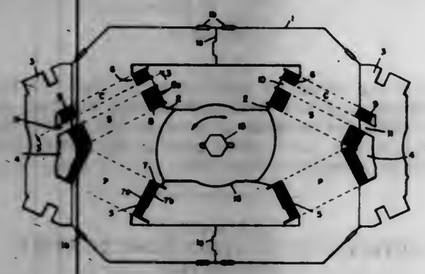
2,569,475
DEVICE FOR CONTROLLING TEXTILE MACHINES
Norman Edward Klein, Clemson, S. C., assignor to Deering Milliken Research Trust, Pendleton, S. C., a nonprofit trust of Maine
Application September 25, 1946, Serial No. 699,328
11 Claims. (Cl. 28—51)



1. An automatically controlled thread gathering device which comprises means for holding a plurality of yarn packages, rotatable means adapted for winding threads from said packages thereon, a plurality of guide means for leading said threads individually from said packages to said rotatable means, motor means for rotating said rotatable means to pull said threads from the packages and to wind them on said rotatable means, a plurality of pairs of electric contacts, a contact of each pair being respectively connected to one of said guide means for operation whenever its associated thread is slacked, one contact of each pair of contacts being grounded, an electronic tube having a control electrode, an anode and a cathode, an output circuit connected to said anode and cathode, a ground connection to a point of said circuit, circuit means connecting the ungrounded contacts of said pairs of electric contacts together and to said control electrode,

means responsive to the operation of any one of said pairs of contacts for applying an operating bias to said control electrode, and control means responsive to the operation of said electronic tube for stopping said motor means, whereby rotation of the rotatable means is automatically stopped whenever one of the threads breaks.

2,569,476
ARC WELDING APPARATUS
George G. Landis, South Euclid, and Norman J. Hoenie, Cleveland Heights, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application August 7, 1944, Serial No. 548,342
13 Claims. (Cl. 171—242)



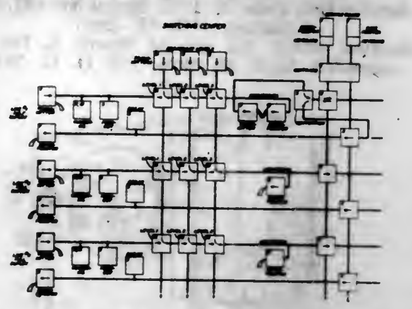
1. In a transformer, the combination of a stator body of hollow form having an inwardly directed pole-providing projection, a movable member adapted to cooperate with said projection to form a variable magnetic bridge, an extension of such stator body enclosing a space opposite such projection, and primary and secondary windings encircling said stator adjacent such projection, said windings lying in part in the space thus provided and said extension together with either adjacent lateral portion of said body providing a flux path substantially equivalent to that provided by said body where encircled by said windings.

2,569,477
MAGNESIUM ALLOY
Thomas E. Leontis, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application October 3, 1949, Serial No. 119,396
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing the rare earth metals cerium, neodymium and praseodymium, the balance being magnesium, the amount of said rare earth metals totaling between about 1 and 10 per cent of the weight of the alloy, the proportion of cerium being 25 to 75 per cent of the total amount of rare earth metal, and the amount of neodymium being at least four times that of the praseodymium.

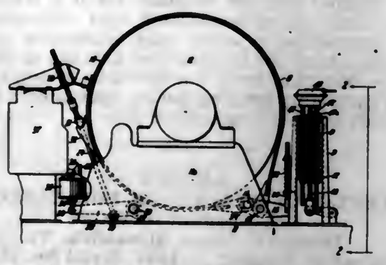
2,569,478
TELEGRAPH STORAGE SYSTEM
George A. Locke, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 17, 1946, Serial No. 670,355
21 Claims. (Cl. 178—3)

1. A telegraph system comprising a plurality of outgoing paths for transmission of messages, individual transmitters of the storage controlled type respectively associated with said paths, means operable incident to insertion of a message storing medium in each of said transmitters and operation of a start element for functionally associating said transmitter with said path and initiating transmission thereover, a multiple address transmitter, means operable incident to insertion of a stored message medium into said multiple address transmitter to condition said multiple address transmitter for association with any or all of said paths, elements operable independently of the busy or idle conditions of said paths to preempt said paths immediately for the



use of said multiple address transmitter, and means thereafter automatically operable for each of said paths, when busy, upon becoming idle, to functionally associate said multiple address transmitter with such paths, in combination with means operable upon all of said paths having become idle to initiate transmission over all of said paths under control of said multiple address transmitter and in further combination with timing means operable after lapse of a predetermined interval of time to release paths not yet idle from subsequent preemption by said multiple address transmitter upon them becoming idle.

2,569,479
MULTIPLE CONTROL FOR BRAKE MECHANISM
Bruno L. Lonngren, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application July 30, 1948, Serial No. 41,641
11 Claims. (Cl. 188—105)



1. In a brake, the combination of: a brake drum; a brake-band frictionally engageable with the drum; first means dead-ending one end of the brake-band against movement in one direction when the drum pulls the brake-band in that direction; first actuating means operatively connected to the other end of the brake-band for setting and releasing the brake-band; second means, independent of said first actuating means, dead-ending said other end of the brake-band against movement in the opposite direction when the drum pulls the brake-band in said opposite direction; and second actuating means operatively connected to said one end of the brake-band for setting and releasing the brake-band.

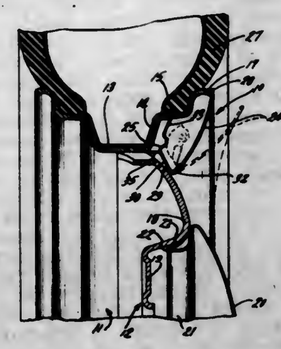
2,569,480
EMULSION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1946, Serial No. 656,539
12 Claims. (Cl. 260—82.3)

1. The process which comprises polymerizing an organic compound containing the $CH_2{=}C<$ group and which is capable of being polymerized by a peroxide catalyst, in aqueous emulsion in the presence of an aryl(dialkyl)methyl hydroperoxide in which each alkyl group contains not more than 4 carbon atoms.

2,569,481
HOMOGENEOUS POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1946, Serial No. 713,938
10 Claims. (Cl. 260—86.7)

1. The process which comprises homogeneously polymerizing a monomeric organic compound containing the $CH_2{=}C<$ group and which is capable of being polymerized by a peroxide catalyst in the presence of an aryl(dialkyl)methyl hydroperoxide in which each alkyl group contains not more than 4 carbon atoms as the catalyst.

2,569,482
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application November 22, 1946, Serial No. 711,719
11 Claims. (Cl. 301—37)



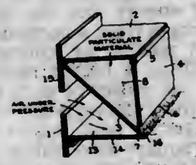
1. In a wheel structure including a flanged tire rim and a load sustaining body part, a trim ring for concealing the outer side of said tire rim and the junction of said body part with the tire rim and having its radially inner margin turned under to provide a curved flange, means for retaining the trim ring in position on the wheel comprising a member having a portion thereof retainingly nested within said marginal flange of the trim ring and attached to said tire rim, said retaining member being flexed into assembled relation with the wheel, and a stop finger on said retaining member extending generally axially inwardly and engaging at the juncture of the tire rim and body part to delimit the axially inward position of the retaining member in the fully assembled relation to the wheel.

2,569,483
WHEEL COVER
George Albert Lyon, Detroit, Mich.
Application October 15, 1948, Serial No. 54,700
7 Claims. (Cl. 301—37)



1. In a cover structure for a wheel including multi-flange tire rim and body parts, a circular cover for disposition on the outer side of the wheel having its outer peripheral margin provided with a concealed skirt having a radially outwardly facing annular shoulder behind the cover, and cover retaining spring clips each fastened to a flange of the tire rim part and extending radially and axially inwardly to a free angular yieldable extremity providing a radially inwardly opening cover-engaging groove-like pocket, said angular extremities of the clips being disposed substantially in a common circle of a diameter less than that of said shoulder and positioned to be cammingly engaged by said cover shoulder as the cover is pressed axially into the wheel and to snap over and around said shoulder for floatingly supporting the cover on the wheel.

2,569,484
APPARATUS FOR COATING SHEET MATERIAL WITH PARTICULATE MATERIAL
Philip A. Marsell, Emsworth, and Charles H. Teller, Mount Lebanon, Pa., assignors to Koppers Company, Inc., a corporation of Delaware
Application November 3, 1947, Serial No. 783,710
4 Claims. (Cl. 91—45)



1. Apparatus for applying solid particulate material to a surface to be coated therewith and

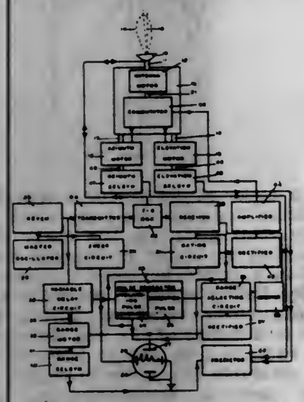
for uniformly distributing said material on said surface, the said apparatus comprising: a receptacle for solid particulate material, having an inclined bottom, an adjustable hinged flap comprising one side of said receptacle and when closed having its lower edge in the plane of the surface of the said bottom and adjacent to and substantially parallel to the lower edge of the inclined bottom, means for adjustably spacing the said lower edge of said flap outwardly from the said bottom of the receptacle to permit the flow of said particulate material out of the receptacle in a curtain-like stream, and means substantially at the level of initial vertical release of the particles of said material for directing an air-blast across the width of said stream to divert the particles to a substantially horizontal path toward a vertical surface to be coated.

2,569,485

AUTOMATIC RANGING SYSTEM

Miles A. McLennan, Detroit, Mich.

Application May 27, 1944, Serial No. 537,670
5 Claims. (Cl. 343—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



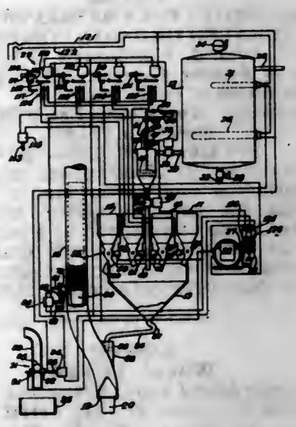
5. In combination with a radio object-locating system including means for scanning a selected area of space with pulses of radio-frequency energy, means for receiving echoes of said energy reflected from any targets within the scanned area, means for detecting said received signals and amplifying them to form signal voltage pulses and means for indicating the relative positions of said targets in said scanned area; means for selecting and automatically following the movements of a particular target comprising: a first means for generating a square-wave voltage of controllable width in synchronism with the radiation of said pulses of radio-frequency energy, a second means for adjusting the width of said square-wave voltage to correspond to the time elapsing between the radiation of said pulses of radio-frequency energy and the instants of reception of the echoes from a particular one of said targets, a third means for differentiating said square-wave voltage, a fourth means for transforming one of the pulses of each pair of pulses resulting from the differentiation of the leading and trailing edges of said square-wave voltage into unblanking square wave pulses, a fifth means for applying said unblanking pulses to said receiving means to permit the echoes from said particular target to pass therethrough, a sixth means operable under the control of said fourth means for differentiating the output of the latter, thereby generating normally ineffective correction voltage pulses at each edge of said unblocking square wave pulse, and means for combining said signal voltage pulse with either of said correction voltage pulses whereby coincidence between either of said correction voltage pulses and said signal voltage pulse generates a corresponding error voltage, and means for utilizing said error voltage to change the width of said square wave in said first means, thereby maintaining said signal voltage pulse between said correction voltage pulses and automatically following the range movements of a particular target.

2,569,486

BEVERAGE VENDING MACHINE

Bert E. Mills, St. Charles, Ill., assignor to The Bert Mills Corporation, Chicago, Ill., a corporation of Illinois

Application July 20, 1945, Serial No. 606,263
4 Claims. (Cl. 225—21)



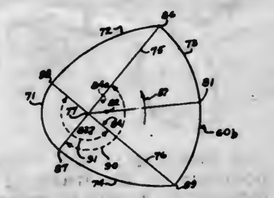
4. A drink vending machine comprising a storage tank for a beverage liquid, a receptacle communicably connected with said tank, a valve in the line of communication between said tank and receptacle, a drinking cup magazine, a cup holder arranged to receive a cup from said magazine and to hold it in position to be filled and to be removed by a customer, a container for a second ingredient of the beverage arranged to communicate with said receptacle, a measuring dispenser at an outlet of said container, a conduit for conveying the mixed drink from said receptacle to the positioned cup, means for controlling the quantity of liquid withdrawn from said tank and conveyed to said receptacle on each operation of the machine, an electrically operated means comprising sequentially operated switches, a solenoid in association with a retainer device for first releasing an individual cup for transfer to said holder, a solenoid arranged to operate said dispenser to cause discharge of a measured quantity of said second ingredient into the receptacle, and a solenoid cooperatively arranged in relation to said valve in the line of communication between said tank and receptacle for opening the same to permit passage of the measured amount of liquid into the receptacle for mixing with said second ingredient and for causing discharge of said mixed drink into the cup.

2,569,487

INTERMITTENT MOVEMENT WITH IMPROVED CLAW ACTION

George A. Mitchell, Pasadena, Calif., assignor to Mitchell Camera Corporation, Glendale, Calif., a corporation of Delaware

Application June 13, 1949, Serial No. 98,648
7 Claims. (Cl. 88—18.4)



2. An intermittent film movement of the claw type comprising a film engaging claw, a claw actuating member, and cam means for driving said member; said cam means including a constant diameter peripheral cam having its cam periphery composed of circular cam surfaces two of which have different radii and a common center of curvature, and a pair of cam follower surfaces engaging opposite cam faces of the cam and operatively connected with the claw actuating member, the cam being mounted for rotation about an axis eccentric with respect to the two said mutually concentric cam surfaces.

2,569,488

METHOD OF CONTINUOUSLY RENEWING LITHOGRAPHIC PRINTING SURFACES BY MEANS OF THE FOUNTAIN FLUID

Douglas A. Newman, Port Washington, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York

No Drawing. Application March 11, 1947, Serial No. 733,993
4 Claims. (Cl. 101—149.2)

1. The process of planographic printing which comprises forming an ink-receptive water-repellent image on a planographic plate having its printing surface coated with a water-insoluble carboxymethyl cellulose compound, dampening said plate with an aqueous fluid comprising water and a colloidal thickener consisting essentially of a carboxymethyl cellulose compound dissolved therein in an amount yielding the desired viscosity, inking said plate to deposit ink on the image portions thereof, transferring the ink from said image to a copy sheet, and successively repeating said dampening inking and transfer operations.

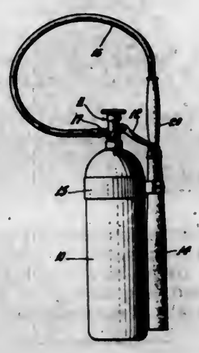
2,569,489

DISCHARGING FLUID PRESSURE MEDIA

Marcel K. Newman, Syracuse, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application July 9, 1946, Serial No. 682,209
3 Claims. (Cl. 169—11)

1. In a portable fire extinguisher, apparatus for discharging carbon dioxide stored under pressure, comprising an elongated snow forming discharge horn formed of dielectric material having an open end for directing the snow on the fire and a closed end provided with an orifice for conducting carbon dioxide directly into said horn, a conduit for connecting said orifice to a source of carbon dioxide under pressure, an elongated flared zone in said conduit increasing in cross-sectional area in the direction of flow and constructed and arranged to reduce the velocity of the carbon dioxide without sufficient expansion to cause the formation of appreciable amounts of snow, said orifice being flared and increasing in cross-sectional area in the direction of flow to direct a longitudinally flowing stream of carbon dioxide into said horn and to prevent rapid radial expansion of the stream, whereby collision with the inner wall of said horn with a force sufficient to effect the generation of substantial electrostatic charges is prevented, the minimum cross-sectional area of said orifice being substantially equal to the maximum cross-sectional area of said flared zone, and a cylindrical zone in said conduit between said flared zone and said orifice and contiguous to said orifice having a bore of substantially uniform cross-sectional area and substantially equal to the minimum cross-sectional area of said orifice.

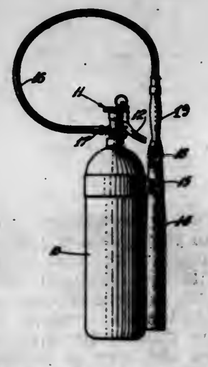


2,569,490

CARBON DIOXIDE SNOW FORMING HORN

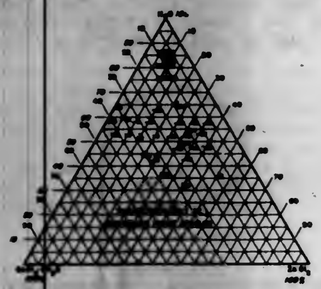
Marcel K. Newman, Syracuse, N. Y., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application April 25, 1947, Serial No. 743,739
5 Claims. (Cl. 169—11)



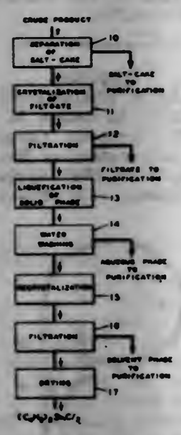
1. A tubular shield in which carbon dioxide snow is formed including an inner wall provided with a surface of a material having a surface resistance on the order of between .5 and 500 megohms per inch, said shield being characterized in that dissipation of an electrostatic charge is effected without grounding said inner wall and that said shield is safe for use in the vicinity of high voltage installations.

2,569,491
DRY CELL COMPOSITION
Earl M. Otte, Washington, D. C.
Application June 27, 1946, Serial No. 679,637
4 Claims. (Cl. 136—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



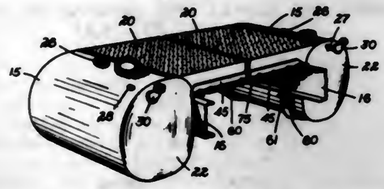
1. An electrolyte composition for low temperature dry cells comprising a solution of from 40 to 65% H_2O, 10 to 30% $CaCl_2.2H_2O$ and 10 to 40% $ZnCl_2$, and a quantity of NH_4Cl equal to 5 to 20% by weight of said solution.

2,569,492
PRODUCTION OF ORGANO-TIN COMPOUNDS
Herbert J. Passino, Englewood, and Russell M. Mantell, Newark, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application December 20, 1949, Serial No. 134,114
15 Claims. (Cl. 260—429)



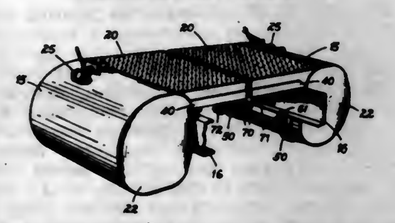
1. In a process for producing dibutyl tin dichloride wherein reagents are interacted to produce a liquid product mixture comprising said dibutyl tin dichloride, stannous chloride and at least one butyl tin compound lower melting than dibutyl tin dichloride, the method for recovering a relatively pure dibutyl tin dichloride product which comprises the step of washing a liquid mixture comprising said dibutyl tin dichloride and stannous chloride with water to dissolve stannous chloride in the water and separate it from dibutyl tin dichloride, and the step of cooling a liquid mixture comprising said dibutyl tin dichloride and said butyl tin compound to separate crystals containing dibutyl tin dichloride and substantially free from said butyl tin compound.

2,569,493
VEHICLE FUEL TANK ASSEMBLY
Fred Prior, Dallas, Tex.
Application May 29, 1948, Serial No. 30,165
6 Claims. (Cl. 280—5)



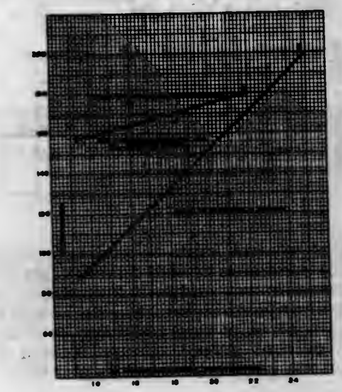
1. A fuel tank assembly of the character described for mounting on the frame of a motor vehicle and comprising a pair of separate tank units, each said unit including a main shell adapted for horizontal mounting along the outer side of said frame and a lateral shell projecting from the upper portion of said main shell with the interior thereof communicating with the interior of said main shell, means for mounting said main shell of each said unit outwardly of said frame with said lateral shell extending inwardly therefrom and above said frame into laterally spaced relation with said lateral shell of said other unit, flanges projecting from each of said lateral shells in lateral relation with said frame and provided with spaced bolt holes, and connecting members having bolt holes therein coinciding with said bolt holes in said flanges and spaced in accordance with the width of said frame to receive bolts for securing said lateral shells in rigidly spaced relation maintaining said main shells in closely fitting relation with said frame.

2,569,494
VEHICLE FUEL TANK ASSEMBLY
Fred Prior, Dallas, Tex.
Application March 16, 1949, Serial No. 81,680
7 Claims. (Cl. 280—5)



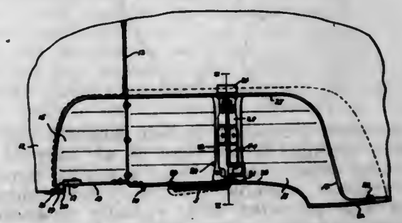
4. A fuel tank assembly of the character described for mounting on the frame of a motor vehicle and comprising a pair of separate tank units, each said unit including a main shell adapted for horizontal mounting in close relation with the outer side of said frame and a lateral shell projecting from the upper portion of said main shell with the interior thereof communicating with the interior of said main shell, means for securing said main shell of each said unit directly to said frame with said lateral shell extending inwardly of and above said frame, a plurality of brackets extending downwardly from each of said lateral shells in spaced relation laterally of said frame, and means including bars extending through said brackets for connecting said lateral shells together and for bracing the inner ends of said units against upward movement as a result of downwardly directed forces effective on said main shells.

2,569,495
SYNTHETIC HARD RESINS PREPARED FROM α,β-UNSATURATED POLYCARBOXYLIC ACIDS
Alfred E. Rheineck, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 9, 1950, Serial No. 183,983
15 Claims. (Cl. 260—26)



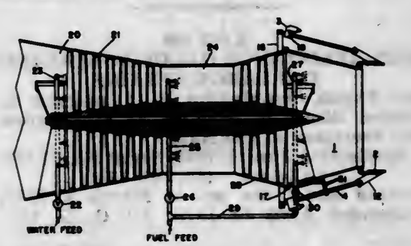
1. A hard resin suitable for cooking with soybean and similar oils to provide an oleoresinous varnish which comprises a resinous ester of a pentaerythritol and an adduct of a rosin acid material and an aliphatic α,β-ethylenically unsaturated polycarboxylic acid, said ester containing from 0.46 to 0.86 mol of said α,β-unsaturated polycarboxylic acid in reacted form per mol of rosin acid, said ester containing a pentaerythritol in reacted form in an amount which is substantially the chemical equivalent of all of the acid constituents of the ester, said ester having an acid number which is low enough to provide an ester of substantial clarity but which at the same time is not below line AB of Figure 2.

2,569,496
FENDER SHIELD MOUNTING
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 15, 1945, Serial No. 635,165
21 Claims. (Cl. 280—153)



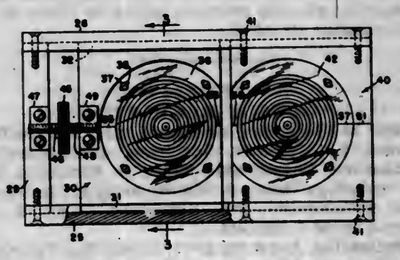
1. A fender and fender shield combination comprising a fender having an access opening, a fender shield adapted to close said opening by lying freely against the outer face of the fender about said opening, means on the respective lower end portions of said fender shield interengageable with the lower portion of the fender at opposite sides of said access opening by an upward sliding movement of the fender shield in its plane along the front face of the fender for locating the lower portion of the fender shield against swinging away from the fender, means carried by the fender interengaging with one of said locating means to retain the fender shield against front to rear movement relative to the fender, a flange on said fender at the top of said access opening and extending inwardly and upwardly at the margin of the fender, and a suspension latch carried by the fender shield and detachably engaging said flange to provide the entire vertical support for the fender shield against dropping away from the fender.

2,569,497
COMBINED VARIABLE AREA NOZZLE AND AFTER-BURNER CONTROL FOR JET MOTORS
Ervin E. Schiesel, Meriden, Conn.
Application October 7, 1948, Serial No. 53,323
1 Claim. (Cl. 60—35.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A speed control for a jet propulsion engine having an after-burner in the tail nozzle comprising a pair of flaps movably hinged to the tail nozzle and operable to reduce the effective opening thereof, a pair of hydraulic jacks pivotally secured to said tail nozzle, arms connecting each jack to each flap, means for actuating said jacks, a control valve in the fuel line to said after-burner, and means connecting one of said arms with said control valve for simultaneous or selective operation of said valve and said flaps.

2,569,498
INSTRUMENT FOR DETERMINING SLOPE FROM STEREOSCOPIC IMAGES
Eugene J. Schlatter, Mount Rainier, Md.
Application May 18, 1948, Serial No. 27,813
3 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An instrument for measuring land slope comprising a pair of flat, transparent sheets each inscribed with a set of circles, the set of one sheet being similar to that of the other, the circles of each set being of different radii and having their centers displaced along a line, and means for mounting said sheets coplanar with the lines along which the centers are displaced coincident,

with the sheets rotated 180° relative to each other and with the sheets adjustable toward and away from each other, the lines along which the centers are displaced remaining coincident during the adjustment, said sheets when viewed through a stereoscope giving an image corresponding to a dome having at least one conic surface the slope of which corresponds to that calibrated for the circles, which dome image, by adjusting the sheets toward and away from each other, may be raised and lowered, whereby the instrument may be placed on a pair of overlap aerial photographs and it and the photographs of the land viewed simultaneously to give a photographic stereoscopic image and the dome image superimposed thereon, and the instrument may be moved and adjusted such that selected points on the stereoscopic image substantially lie on two of the circles along a line extending radially of the circles, the land slope between the points being determined by reference to that calibrated for the circles.

2,569,499
WIRE-RESISTANCE GAUGE FOR MEASURING LARGE STRAINS

Harry Shoub, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy

Application June 8, 1949, Serial No. 97,870
4 Claims. (Cl. 201—63)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



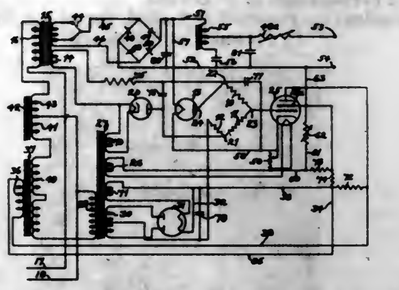
1. A material test body to be subjected to large strains such as those in the plastic range of steel, said body having a test surface, a layer of elastic synthetic rubber cement adhered to said surface, said synthetic rubber cement consisting essentially of butadiene-1, 3-acrylonitrile rubbery copolymer and phenol formaldehyde resin and being selected for its capacity to stretch and retain its adherence to said surface while undergoing strains corresponding to those in the plastic range of steel, a constantan resistance filament selected for its capacity to stretch without failure under large strains, said filament lying on said cement layer, and a coat of acrylic resin cement adhered to said filament and to said layer, said coat of cement being stretchable and tenacious of said filament and said layer while undergoing strains corresponding to those in the plastic range of steel.

2,569,500
VOLTAGE REGULATOR

Edward M. Sorensen, deceased, late of Stamford, Conn., by Helen S. Sorensen, administratrix, Stamford, Conn.; said Helen S. Sorensen, now by marriage Helen S. Moore, assignor to Sorensen & Company, Inc., Stamford, Conn., a corporation of Connecticut

Application April 11, 1947, Serial No. 740,953
9 Claims. (Cl. 321—25)

1. In an accurate voltage regulator, in combination, an alterating current input circuit, an alternating current output circuit, means connected with said output circuit to convert the alternating current to direct current, a direct current output circuit from said means adapted to have a load connected therein, a balancing circuit including a diode electron tube as one of the elements thereof, a rectifying means for supplying a direct current voltage derived from said alternating current output circuit to said balancing network, means connected across said direct current output circuit for applying a voltage to

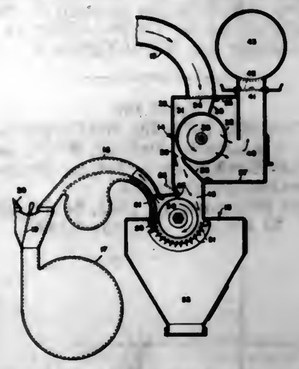


the filament of said diode to thereby determine the balance condition of said network, an amplifier connected to said network and responsive to the degree of unbalance thereof, and means operable under control of said amplifier to maintain the direct current output voltage in said direct current output circuit at a constant value.

2,569,501
LINT COTTON CLEANER

Victor Leo Stedronsky, State College, N. Mex., and Charles S. Shaw, Leland, Miss., dedicated to the free use of the People in the territory of the United States

Application March 21, 1950, Serial No. 151,024
1 Claim. (Cl. 19—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a cotton-processing system wherein lint is conveyed through an air duct by air current, a lint cotton cleaner comprising a casing having an inlet port, a rotatable cleaning cylinder housed therein and provided with radially extending saw-tooth-shaped cleaning cylinder teeth, a concave housed in the casing and formed from spaced bars located adjacent the cleaning cylinder teeth, the lint being carried by the teeth into the concave, and means for receiving lint and air from the air duct, separating a portion of the air therefrom, and feeding the lint and remaining air through the inlet port directly into the cleaning cylinder teeth, an aspirator port being provided in the casing on the side of the inlet port remote from the region of entry of the lint into the concave, and a damper being provided for regulating the exit of air from the aspirator port thus to assist in directing the lint into the cleaning cylinder teeth.

2,569,502
EPOXIDIZED OILS

Daniel Swern and Thomas W. Findley, Philadelphia, Pa., assignors to United States of America as represented by the Secretary of Agriculture

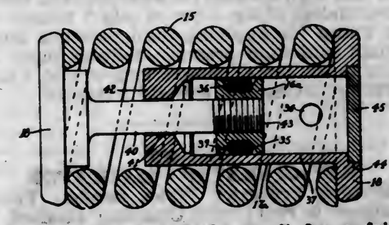
No Drawing. Application February 7, 1945, Serial No. 576,683
4 Claims. (Cl. 260—348)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An epoxidized triglyceride.

2,569,503
CLUTCH PLATE

W. Vincent Thelander, Auburn, Ind., assignor to Dana Corporation, Toledo, Ohio, a corporation of Virginia

Original application February 17, 1943, Serial No. 476,133, now Patent No. 2,520,180, dated August 29, 1950. Divided and this application January 5, 1950, Serial No. 137,024
4 Claims. (Cl. 267—1)

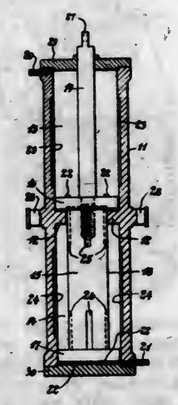


1. A liquid shock absorber unit for a friction clutch of the type including relatively oscillatable members between which the shock absorber unit is mounted for transmitting driving force from one of said members to the other, said unit comprising a cylinder having a wall closing at least one end in which a central hole is provided and having a head portion on the other end for abutting one of the oscillatable clutch members, an undersize piston having a loose fit and being capable of limited rocking motion in the cylinder, said piston including a rod portion extending freely through the aforesaid central hole with a loose fit therein and having a head portion on its outer end outside the cylinder for abutting the other oscillatable clutch member, said piston having an annular groove and a resilient rubber sealing ring seated in the bottom of said groove under radial compression between the same and the walls of the cylinder to have sealing engagement therewith, the width of the outer portion of the annular groove being greater than that of the rubber sealing ring, the loose fit of the piston in the cylinder being such as to permit limited rocking action of the piston in the cylinder about said resilient rubber sealing ring, whereby to eliminate any tendency of said piston to bind in the cylinder upon application of force on said cylinder and piston along lines extending at an angle to the axis thereof upon relative oscillating motion of said clutch members, and the loose fit of the rod portion of said piston in the central hole limiting the rocking motion of the piston in the cylinder, and the restricted opening left in the central hole annularly of the rod portion of said piston serving as a bleeder hole for the inlet and outlet of liquid in the relative reciprocation of the piston and cylinder.

2,569,504
DIFFERENTIAL CYLINDER-PISTON ASSEMBLY

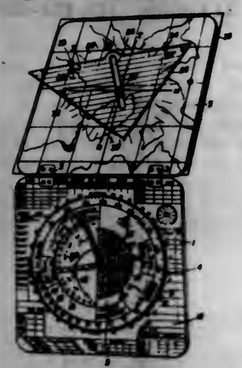
John Adams Thierry, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application February 21, 1947, Serial No. 730,111
14 Claims. (Cl. 121—38)



1. In a differential double-acting cylinder-piston assembly, the combination of: cylinder means, comprising an unconstricted portion and a radially inwardly constricted portion; piston-means, comprising main piston means having fluid-sealed sliding contact with the unconstricted portion of the cylinder means, and auxiliary piston means constrained to reciprocate with the main piston means and having fluid-sealed sliding contact with the constricted portion; means for the introduction of pressure-fluid into the cylinder means, to cause relative reciprocation of the piston means in one direction; means for the introduction of pressure-fluid into the cylinder means, to cause relative reciprocation of the piston means in the other direction; by-pass means, to break the fluid seal between the main piston means and the unconstricted portion of the cylinder means, and automatically rendered effective by the relative position of the piston means and the cylinder means during a part of the relative reciprocation of the piston means in each direction, and automatically rendered ineffective by the relative position of the piston means and the cylinder means during another part of the relative reciprocation of the piston means in each direction; by-pass means to break the fluid seal between the auxiliary piston means and the constricted portion of the cylinder means, and automatically rendered effective by the relative position of the piston means and the cylinder means during a part of the relative reciprocation of the piston means in each direction, and automatically rendered ineffective by the relative position of the piston means and the cylinder means during another part of the relative reciprocation of the piston means in each direction; whereby the main piston means is relieved of fluid pressure and the auxiliary piston means is subjected to fluid pressure during a portion of the reciprocation in each direction, and the auxiliary piston means is relieved of fluid pressure and the main piston means is subjected to fluid pressure during another portion of the reciprocation in each direction.

2,569,505
NAVIGATIONAL COMPUTER
Millard C. Thrash, United States Navy
Application November 21, 1945, Serial No. 630,109
8 Claims. (Cl. 235—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

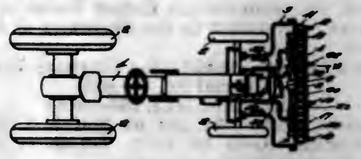


1. A navigational computer comprising a rotatable disc having a clear window with two radial straight-edge scales marked thereon, said scales being calibrated in degrees and per cent, respectively, a base plate having a pair of semicircular charts under this window, one of which charts has inscribed thereon a circumferential linear scale of air speeds, another circumferential linear scale of degrees and a curve to be used in connection with one of the straight-edge scales on the rotatable disc for indicating on this straight-edge scale the number of degrees correction necessary for a predetermined wind velocity when this straight-edge scale is moved to the proper air speed on the air speed scale, another curve on this chart for use in connection with the other straight-edge scale to indicate on this scale the per cent of the above correction to be used for a wind which has a relative direction of the value to which this straight-edge scale is moved on the circumferential degree scale, the other of the semicircular charts comprising a graph for use in connection with either of the straight-edges to determine the amount of correction to be applied to the air speed in order to give the true ground speed, said other chart comprising a circumferential linear degree scale and a series of concentric semicircular lines calibrated in wind velocities and spaced at fixed intervals from the center of the last mentioned scale.

2,569,506
EMULSION POLYMERIZATION OF CERTAIN VINYL COMPOUNDS USING A MERCAPTAN MODIFIER, A HYDROPEROXIDE CATALYST, AND OXYGEN
Edwin J. Vandenberg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1946, Serial No. 677,485
17 Claims. (Cl. 260—82.5)

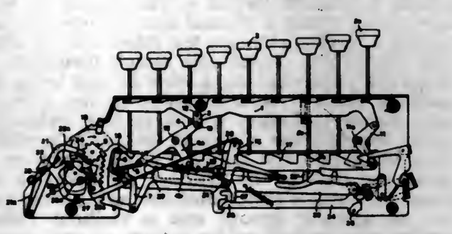
1. The process which comprises polymerizing in aqueous emulsion at least one monomeric organic compound of the group consisting of a styrene, a conjugated butadiene hydrocarbon and a halogen-substituted conjugated butadiene hydrocarbon, in the presence of an alkyl mercaptan modifier, an organic hydroperoxide catalyst, and an amount of oxygen from 0.01% to 0.4%, based on the monomer.

2,569,507
HYDRAULIC OPERATING SYSTEM FOR MOWING MACHINES
Frederick von Schlegell, Pasadena, Calif.
Application October 27, 1945, Serial No. 625,038
7 Claims. (Cl. 60—54.5)



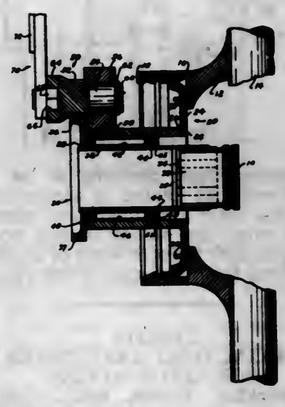
1. A fluid power system comprising a pair of fluid pressure delivery pipes terminating in the center connections of a pair of longitudinally spaced T fittings axially aligned with each other, said T fittings constituting fluid pressure cylinders, reciprocating driven pistons slidable in said cylinders, actuating means connected with said pistons, one of said actuating means being connected at one end with a piston slidable in one of the pressure cylinders of one T fitting and at the other end with a piston slidable in one of the pressure cylinders of the other of said T fittings and a fluid pump for applying fluid pressure impulses through said fluid pressure delivery pipes alternating to the center connections of said T fittings for reciprocating said actuating means.

2,569,508
KEY-OPERATED CALCULATOR
Christopher Frederick Webb, London, England, assignor to Bell Punch Company Limited, London, England, a British company
Application November 22, 1948, Serial No. 61,248
In Great Britain December 2, 1947
4 Claims. (Cl. 235—82)



1. In a calculating machine of the type referred to having a plurality of keys, a member movable to an extent variable in dependence upon the key actuated, a rack, a pinion adapted to be driven by said rack, a numeral wheel connected to said pinion, and a linkage connecting said member and said rack to drive the rack, said linkage including a pair of links, one end of each of the links being pivotally joined together, the opposite end of one of the links of the pair being pivoted to said rack, the opposite end of the second link of the pair being pivoted about a fixed point, and the second link of the pair being actuated by an adjoining portion of the linkage connected to said member, the linkage being constructed and arranged to impart to the rack a relatively slow motion when the rack is moving towards or away from its position of rest.

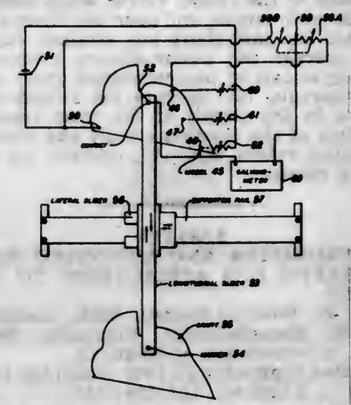
2,569,509
TORQUE WRENCH AND GEAR-DRIVEN WRENCH ADAPTER
James R. Wells, Dayton, Ohio
Application December 12, 1945, Serial No. 634,480
2 Claims. (Cl. 73—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A torque applying mechanism for tightening a propeller shaft nut comprising, a tubular bearing support, an annular flange at the inner end of said tubular bearing support dimensioned and shaped to fit into a propeller nose cap recess in a propeller, means to prevent relative rotation or axial movement between said flange and said recess, a cylindrical propeller shaft nut-engaging member concentrically positioned within said tubular bearing support, a gear rigidly secured on the outer end of said propeller shaft nut engaging member, propeller shaft nut engaging means internally of said member at the inner end thereof, antifriction bearing means between said tubular bearing support and the said propeller shaft nut engaging member, a pinion bearing lug extending radially from said cylindrical bearing support adjacent to said gear, a pinion rotatably supported in said lug and in mesh with said gear, and torque wrench engaging means rigidly connected to said pinion.

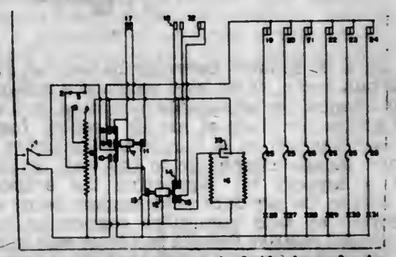
2,569,510
ELECTRICAL ANALOGUES
Alexander Wolf, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 15, 1947, Serial No. 791,797
1 Claim. (Cl. 246—139)

In apparatus for determining the condition of a system in which force operates at least approximately in accordance with Laplace's equation and having a three dimensional electrically conductive model analogous to the system to be investigated, with a conductive probe in contact with the model and a marker disposed adjacent a chart spaced from the model and a linkage connecting the marker to the probe for moving the marker on the chart to correspond to movement of the probe on the model, said linkage comprising an elongated arm carrying the marker and the probe at its opposite ends, an elongated supporting rail disposed between the model and the chart at a right angle to the arm, and a slider slidably supporting the arm to permit longitudinal movement of the arm and slidably



mounted on the rail to move longitudinally of the rail.

2,569,511
BLASTING DEVICE
Ferdinand De Witt Bickel and Harold Arthur Lewis, Wilmington, Del., and Robert Henry Mecklenborg, Philadelphia, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 22, 1948, Serial No. 66,736
3 Claims. (Cl. 175—115)



1. A mechanically operated timing device for firing charges of explosives in predetermined order and at precise time intervals comprising in combination terminals for connecting said device to a power source; an electric motor; a circuit from said terminals to said motor; a rotatable cam-shaft operatively connected to said motor; at least two electrically energizable relays; circuits from said terminals to said relays; cam-operated circuit-breaking elements connected in series therein with each of said relays and relay-operated circuit-breaking elements connected in parallel therein with said cam-operated circuit-breaking elements, at least one of said relay circuits also having connected in series therein a circuit-breaking element operated by a different relay; a plurality of firing circuits, each having connected in series therewith a cam-operated circuit-closing element; a blasting circuit connecting said firing circuits to said terminals, said blasting circuit having connected in series therewith at least one relay-operated circuit-closing element; a short circuit containing connected in series a relay-operated circuit-breaking element interposed between said relay operated circuit-closing element in the blasting circuit and said firing circuits; and means for stopping said motor when the said cam-shaft has substantially completed one revolution; the cams

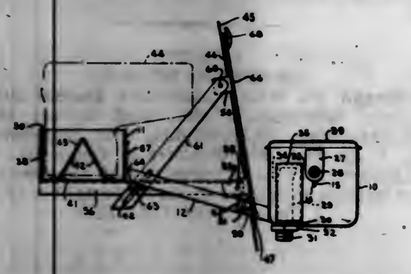
on said shaft being so positioned as to, (1), operate the circuit-closing elements completing the circuit to the relays which, when energized, close the main circuit and open the short circuit, (2), after the said shaft has attained constant speed, operate the circuit-closing elements in the firing circuit in predetermined order and at equal intervals, (3), operate the circuit-closing elements in the circuit of the relay regulating the circuit of the blasting circuit and short circuit control relays, and, (4), operate the motor stopping means.

2,569,512

AIR HUMIDIFIER AND MOUNTING MEANS THEREFOR FOR APPLICATION TO DUCT WALLS

Edward W. Bottum, Detroit, Mich., assignor to Skuttle Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application September 25, 1947, Serial No. 776,081
3 Claims. (Cl. 126—113)



1. In a humidifier assembly having an evaporator pan and a water level regulating means and being adapted for adjustable mounting on a single wall of the air duct of an air heating furnace, the combination of a humidifier assembly supporting means attachable to the wall of the air duct, a support for supporting the evaporator pan within the air duct, said support being solely supported by said humidifier supporting means and pivotal relative thereto to adjust said humidifier supporting means relative to the evaporator pan, and means engaging said support and said humidifier supporting means for clamping the latter in any of its adjusted positions.

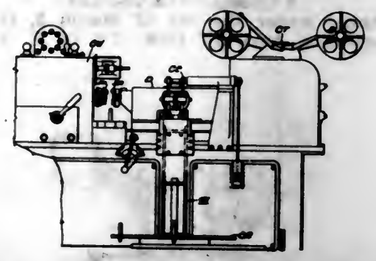
2,569,513

MACHINE FOR TAPING ELECTRICAL COILS

James S. Burge, Anderson, Hilton J. McKee, Middletown, and Richard M. Goodwin, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application March 11, 1947, Serial No. 733,758. Divided and this application October 29, 1948, Serial No. 57,162
14 Claims. (Cl. 216—25)

1. A machine for taping electrical coils having layers of coil turns comprising a conveyor having a plurality of coil receiving forms which it successively moves to a taping station, means for intermittently moving the conveyor, means at the taping station for feeding tape having on one side thereof a heat-softenable adhesive coating and for locating the tape with coated side adjacent the coil on the form, means for causing a portion of the tape spaced from its end to be pressed against one side of the coil, means for severing the tape portion so pressed from the tape supply leaving tape portions extending oppositely from the tape portion pressed against the coil, the severed portion of tape having length such that the oppositely extending end portions of the tape have length in excess of the width of the coil and means for causing the oppo-



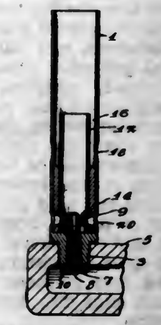
sitely extending tape portions to be wrapped around the coil and heated to secure adherence thereof to the outer and inner turn layers of the coil and to cause the excess of tape portions to be pressed together to form a tab of double thickness projecting from an edge of the coil.

2,569,514

SINGLE AXIAL PORT GAS BURNER WITH TWO-STAGE MIXING

Adolf J. Burklin, Toledo, Ohio, assignor, by mesne assignments, to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application October 29, 1946, Serial No. 706,435
1 Claim. (Cl. 158—99)



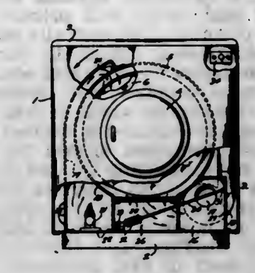
A burner for gaseous fuels having primary air supplied in successive stages which comprises, a pair of concentric tubular members with the inner member radially spaced throughout its length from the outer member and of shorter length than the outer member, a plurality of circumferentially spaced orifices extending through said inner and outer tubular members adjacent one end thereof for initial entry of primary air into the inner tubular member, a third tubular member extending into said inner member from a source of gas to a line substantially at a level above the diametrical plane of said orifices to restrict the orifices and limit the air drawn in through the same upon discharge of gas from said third tubular member, and a second set of primary air orifices in the outer tubular member inwardly removed from the discharge end of said inner tubular member and closed off from said first set of primary air orifices to supply additional primary air into the mixing chamber of the outer tubular member to make the mixture combustible at discharge from the outer tubular member into contact with secondary air.

2,569,515

DAMPER FOR CLOTHES DRIERS

Donley S. Collins, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application August 10, 1946, Serial No. 689,763
7 Claims. (Cl. 34—54)



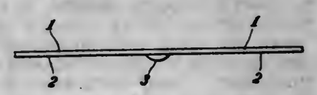
1. In a clothes drier, a rotary drier drum, a suction fan disposed to draw air therethrough to dry clothes confined therein, a heater for air passing into the drum, a double-walled casing for said drum having inlet ports for the entrance of air to the space between the walls of the casing and an opening from said space to said heater to supply a part of the air to said heater and drum, a damper disposed in the wall of said casing between said space and the entrance to the suction fan to bypass air which otherwise would pass through the heater and drum, and a thermostatic control for said damper responsive to the temperature of the air passing through the drum to control the bypass of air and maintain a predetermined temperature for the drying air in the drum.

2,569,516

OPTICAL SYSTEM FOR THE DETERMINATION OF THE FOCAL POINT

Telemaco Corsi and Luigi Picchioni, Rome, Italy

Application July 9, 1948, Serial No. 37,758
In Italy April 16, 1948
13 Claims. (Cl. 95—44)



1. In combination, a carrier for the image produced by an optical system and a cylindrical lens element having an exactly defined first nodal plane, said element being supported relative to said carrier to position first nodal plane coincidentally with said carrier.

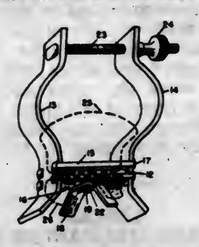
2,569,517

MAGNET FOR CATHODE-RAY TUBE ION TRAPS

John de Leon, Ridgewood, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application September 9, 1949, Serial No. 114,722
8 Claims. (Cl. 313—75)

1. A magnetic structure for producing a magnetic field in an area containing an electron beam, comprising a source of magnetic flux, pole pieces of soft magnetic material and respective opposite polarity attached thereto, extending respectively along opposite sides of and beyond said area, and lying substantially in a plane normal to said beam and an adjustable magnetic shunt member positioned between and bridging a portion of



the distance between said pole pieces outside said area.

2,569,518

MOUNTING ENCLOSURE FOR LIGHTING FIXTURES

Simon Deutsch and Roland A. Manning, Sheboygan, Wis., assignors to Moe-Bridges Corporation, Sheboygan, Wis., a corporation of Wisconsin

Application August 23, 1948, Serial No. 45,632
6 Claims. (Cl. 240—2)



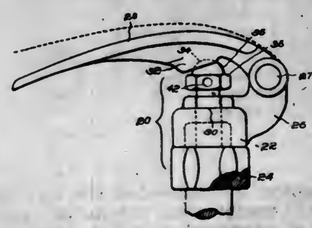
2. A decorative lighting installation adapted to employ one or more tubular light sources, comprising at least one generally tubular lighting fixture, a plurality of channel-shaped supporting brackets therefor having their sides spaced to receive said fixture, there being at least one bracket at each end of the installation, an end frame for each of said end brackets and extending transversely thereof and outwardly therefrom to beyond the light source, and a valance at least partially supported by said end frames.

2,569,519

TOOL FOR RESHAPING DEFORMED AUTOMOBILE BODY PARTS

Ray E. Ferguson, Lynnfield Center, Mass., assignor to H. K. Porter, Inc., Somerville, Mass., a corporation of Massachusetts

Application April 5, 1949, Serial No. 85,672
1 Claim. (Cl. 153—32)



An appliance for use in reshaping deformed parts of automobile bodies in connection with a jack for exerting pressure thereon comprising a fitting having a coupling portion for mounting it at the extremity of a jack ram for advance linearly along the axial line of the ram, said member having a laterally and upwardly projecting arm, a work-engaging member pivoted at one end to said arm, said member being long and relatively narrow with contoured outer face and

extending from its pivot across the said fitting and for a substantial distance beyond the same, and a power screw mounted in the end of the fitting for movement in the axial line aforesaid having a head underlying the work-engaging member to support the same and, when screwed outwardly, to move the same about its pivot in the manner of a lever of the third class, the screw outwardly of the end of the fitting and inwardly of said member contoured to facilitate turning of the screw.

2,569,520

FLOW CONTROL MECHANISM FOR SHOCK ABSORBERS

Mearick Funkhouser and Edwin F. Rossman, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 4, 1945, Serial No. 632,665
6 Claims. (Cl. 277—45)



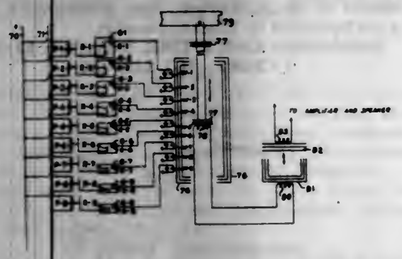
1. A fluid flow control mechanism operative to control the transfer of fluid from one chamber into another, said mechanism consisting of a valve-cage having axially spaced, annular ledges of different diameters surrounding fluid passages in said valve-cage; successively acting means operative in series to establish controlled fluid flows through said passages in one direction, said means consisting of flexible disc valves held in spaced relation by a collar, each normally biased to engage a respective ledge; and retaining means pressed upon the central area of one of said flexible disc valves for equally biasing both valves to engage their respective ledges.

2,569,521

ELECTRONIC ORGAN

Pulford J. Greaves, Dearborn, and Frederick N. Elgear, Detroit, Mich.

Application December 2, 1947, Serial No. 789,250
7 Claims. (Cl. 84—1.26)



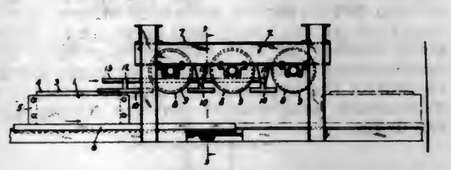
1. A musical instrument of the type described, including in combination means for generating a plurality of electrical currents, electro-acoustic means for translating said currents into sound and key means for regulating the passage of said currents from said generators to said electro-acoustic means, said generator means comprising a series of independent electro-static generators, each generator having means for creating a plurality of independent electrical frequencies in musical sequence, the range of frequencies of each generator having a harmonic relationship to the range of frequencies of each other generator, a source of electrical energy and independent electrical connections from each of said generators thereto, means for independently controlling the current supplied to each generator from said source, key means comprising a series of transformers each having a movable core and a stationary core, a primary winding mounted on one of said cores, a secondary winding mounted on the other of said cores, said primary winding comprising a plurality of electrically independent separate windings each electrically connected to one of said generators whereby said windings may be independently supplied with electrical currents having frequencies which include a fundamental and various harmonics thereof, and mechanical means connected to said key and said movable core for controlling the position of said movable core relative to said stationary core from a point of zero coupling to a point of maximum mutual inductance between said primary and secondary windings and electrical connections between each of said secondary windings and said electro-acoustic means.

2,569,522

APPARATUS FOR UPSETTING EDGES

Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application August 19, 1946, Serial No. 691,595
2 Claims. (Cl. 80—2)



1. Apparatus for progressively upsetting an edge of a thin sheet metal blank, comprising a base having a guide way thereon, a carriage disposed for longitudinal movement upon said guide way, a work holder upon said carriage adapted to clamp a thin sheet metal blank on edge and to confine and support the body of the blank with its upper edge to be upset extending parallel to the direction of movement of the carriage, a frame extending upwardly from and supported on said base and having cross members disposed above the path of movement of said blank edge, a plurality of die rolls carried by said frame cross members and having circumferential grooves disposed to engage the blank edge and form the same progressively as the carriage moves the blank longitudinally beneath the rolls to successively forge the blank edge by progressive increments, said base and guide way extending beyond said frame at least at one end to provide ready access to the carriage for loading and unloading the same, and means to move the carriage upon said guide way.

2,569,523

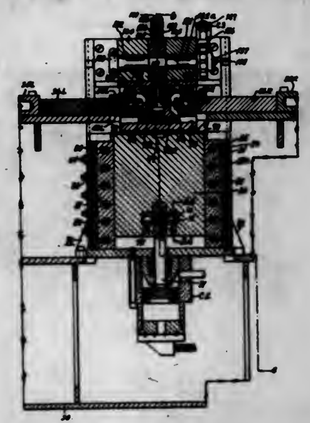
TUBE FLARING MACHINE

Rea I. Hahn and Bernard E. Frank, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 21, 1949, Serial No. 72,024
6 Claims. (Cl. 153—79)

2. A machine for flaring the ends of pieces of tubing on which two coupling nuts are loosely assembled comprising two spaced pair of clamping jaws which grip the tubing between its ends and which provide flaring dies for receiving the

end portions of the tubing, punches cooperating with the dies to perform flaring operations, means for effecting relative movement of the jaws, means for operating the punches, a dial movable between the pairs of jaws and having recesses



each for coupling nuts which support the tubing, means for indexing the dial, and means for retaining the nuts in the recesses of the dial as it moves them with the tubing supported thereby from a loading station to the flaring station.

2,569,524

POLYMERIZATION OF TRIFLUOROCHLOROETHYLENE IN THE PRESENCE OF SILVER ION, BISULFITE ION AND PERSULFATE

Jefferson M. Hamilton, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 16, 1949, Serial No. 99,593
20 Claims. (Cl. 260—87.5)

1. The process for making polymers which comprises agitating a member of the group consisting of monomeric chlorotrifluoroethylene and mixtures of monomeric chlorotrifluoroethylene and monomeric tetrafluoroethylene containing at least 40% chlorotrifluoroethylene at a temperature of from about 20° C. to 60° C. in a closed vessel under a pressure of at least 60 pounds per square inch in the presence of an aqueous catalyst system composed essentially of water, about 0.5% to about 1% of an inorganic alkali persulfate, about 0.1% to about 0.2% of an inorganic alkali bisulfite and about 0.01% to about 1% of silver added as an inorganic silver salt having a solubility in water at least equal to that of silver phosphate and in the absence of more than 10 parts per million of O_2, and separating the polymer from the reaction mixture.

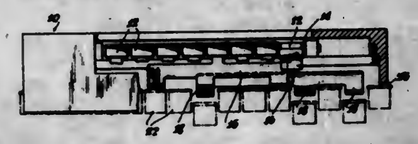
2,569,525

PIANO PLAYING DEVICE

Van Dyke Hill, New York, N. Y.

Application July 23, 1946, Serial No. 685,673
1 Claim. (Cl. 84—443)

The combination of a box-like structure adapted to be removably mounted directly above the keys of a piano, a plurality of supplemental keys pivoted horizontally in such box and overlying the piano keys, each of such keys being the width of an ordinary white piano key and said keys lying parallel to each other, a common pivot bar for such keys, a plurality of thin actuating plates running at right angles to the piano keys and overlapping each other in a common horizontal plane, and each adapted to contact a plurality of the white keys of the piano, and means for suspending each of such actuating



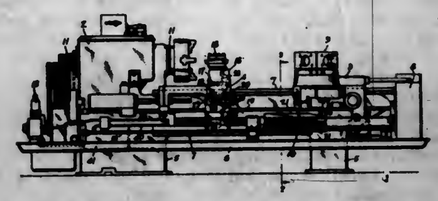
plates from one of said supplemental keys without other attachment to the device or to the piano so that when one of the supplemental keys is struck, the actuating member suspended from it will be moved to depress a plurality of piano keys and thereby sound a chord.

2,569,526

HYDRAULIC FOLLOW-UP TOOL FEED FOR LATHES

Charles H. Johnson, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin

Application October 29, 1945, Serial No. 625,233
10 Claims. (Cl. 29—42)



1. In a lathe having a bed, a rotary spindle disposed to rotate a workpiece, a tool carriage movable on the bed and a tool slide on the carriage for moving a tool toward and away from the work, a servo-motor feed for said slide operable in correlation to the rotational speed of said spindle and comprising a source of power fluid, a reversible hydraulic motor disposed to move the cross slide on the tool carriage to effect feed and traverse movements for the tool, a control valve mounted on the carriage and connected with said power source and motor to supply power fluid to the latter for operating the same, a longitudinally movable plunger in said valve governing the ports thereof to control the direction and amount of fluid feed to said motor and having a central neutral position substantially balancing the fluid pressure applied to operate the motor in opposite directions to thereby hold the motor stationary when the plunger is in neutral position, spring means biasing said plunger in a longitudinal direction away from neutral which effects outward movement of the slide by said motor, a follow-up lever mechanism fulcrumed on the carriage and connected to said slide and plunger to effect movement of the latter toward neutral position when said slide is moved by said motor in either direction, the movement of the plunger being proportional to the corresponding movement of the slide in each instance, and a cam control on said bed operated in correlation to the spindle speed and connected to the follow-up lever mechanism to displace the plunger in opposition to said spring means and effect inward movement of the slide by said motor.

2,569,527
CAKEMAKING
Norman F. Johnston, East Norwalk, Conn., assignor to R. T. Vanderbilt Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 3, 1948, Serial No. 12,899
13 Claims. (Cl. 99—92)

1. A paste-like composition which consists essentially of sorbitan monostearate, a relatively smaller amount of an activator for the sorbitan monostearate and water, the activator being a condensate from the group consisting of condensates of ethylene oxides and fatty acids, including hydroxy acids, containing from 12 to 18 carbon atoms in which the molar ratio of ethylene oxide to acid is within the range 70:1 to 130:1, condensates of ethylene oxide and the monosorbitans of such acids in which the ethylene oxide-monosorbitan molar ratio is within the range 10:1 to 30:1 and condensates of ethylene oxide and castor oil in which the ethylene oxide-castor oil molar ratio is within the range 70:1 to 150:1.

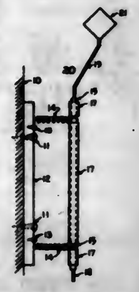
7. In cake making, the method of facilitating the incorporation of air into the cake batter which comprises adding to the batter an effective proportion of a hydrated mixture of sorbitan monostearate and a relatively smaller amount of an activator for the sorbitan monostearate, the activator being a condensate from the group consisting of condensates of ethylene oxides and fatty acids, including hydroxy acids, containing from 12 to 18 carbon atoms in which the molar ratio of ethylene oxide to acid is within the range 70:1 to 130:1, condensates of ethylene oxide and the monosorbitans of such acids in which the ethylene oxide monosorbitan molar ratio is within the range 10:1 to 30:1 and condensates of ethylene oxide and castor oil in which the ethylene oxide-castor oil molar ratio is within the range 70:1 to 150:1.

2,569,528
SCREW ANCHOR ADAPTER
Charles W. Kandle, Chicago, Ill.
Application October 4, 1944, Serial No. 557,180
2 Claims. (Cl. 287—20.1)



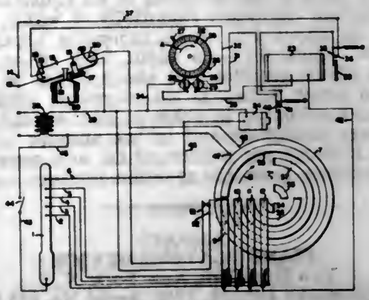
1. An adapter for securing a screw anchor or the like formed of a substantially straight rod provided with an eyelet at the upper end thereof, which comprises a clevis-shaped member of substantial width adapted to closely confine the eyelet and having one side thereof extending downwardly beyond the other side for a substantial distance and beyond the position for the eyelet, a drive shank on the upper end of the member adapted to couple the same in driving connection to a power shaft, means at the lower end of said extending side and spaced from the end of the shorter side a distance providing for the insertion of an eyelet between said sides for laterally confining the rod and holding the same in axial alignment with the adapter for turning, and a pin removably passing through the sides and adapted to pass through the eyelet when the latter is positioned between the sides.

2,569,529
CLEARANCE INDICATOR
Ralph Levering Kirk, Bellevue, Pa.
Application March 1, 1950, Serial No. 147,048
4 Claims. (Cl. 116—28)



1. A motor vehicle stall parking indicator comprising a base adapted to be mounted on the side of the stall in which the motor vehicle is to be parked, a vehicle engaging member having greater length than width, flexible arm means carried by said base to support and retain the vehicle engaging member with its longitudinal axis vertical and just out of reach from a vehicle traveling in the proper path into the stall but will permit the vehicle engaging member to swing in a horizontal arcuate path if struck by the vehicle, a target, and means to mount the target on said vehicle engaging means.

2,569,530
TIME-CONTROLLED TEMPERATURE-RESPONSIVE FUEL CONTROL SYSTEM
Irving Kramer, Far Rockaway, and Joseph Rowe, Arverne, N. Y., assignors of one-third to said Rowe, one-third to Harry Sinoff, Brookline, and one-third to Ezekiel Wolf, Boston, Mass.
Application October 31, 1947, Serial No. 783,342
1 Claim. (Cl. 236—46)



A system for the control of heating of buildings or the like, comprising an outside temperature device, a cyclic heating program switch having different programs, operatively selective by said temperature device, a switch operable by heating device of the building when the heating device has reached a heating limit for initiating the operation of the program device and at the same time shutting off the heating device, and means operative by the program switch for interrupting and commencing the heating according to the program selected by the temperature device, and switching means operable directly by said temperature device for shutting off the heating device, said last switching means having contacts in series with those of the switch for shutting off the heating device when said heating limit has been reached.

2,569,531
BALL-BEARING STRUCTURE
Theodore W. Kunzog, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 4, 1947, Serial No. 726,274
1 Claim. (Cl. 308—235)



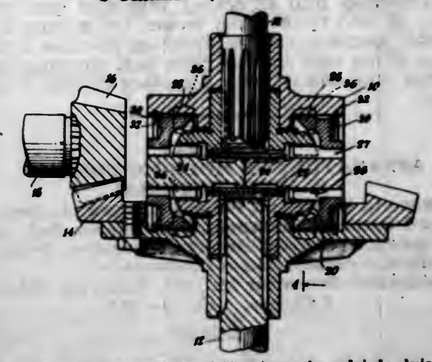
A ball thrust bearing assembly, comprising in combination; two ball races on a common axis having disposed therebetween a plurality of ball bearings, and a lubricating spacer for said balls consisting of; a sheet metal annulus and having regularly spaced apertures therethrough and having a trough-like cross section formed by upturned opposed walls wherein said trough is at least partially filled with a continuous layer of sintered non-compacted metal powder which is metallurgically bonded to said sheet metal annulus, said sintered metal having regularly spaced molded apertures therethrough in alignment with the apertures in said annulus and being adapted to cooperate with said annulus for retaining said balls in spaced freely rotatable relation to one another, said sintered metal being impregnated with a lubricant which is retained by capillarity therein when the assembly is not rotating and which is prevented from centrifugal expulsion by the outer wall of said sheet metal annulus when the assembly is in rotation.

2,569,532
JOINING DEVICE
Franklin W. Marshall, Pittsburgh, and Sherad M. McCall, Ross Township, Allegheny County, Pa.
Application June 9, 1948, Serial No. 31,980
6 Claims. (Cl. 85—11)



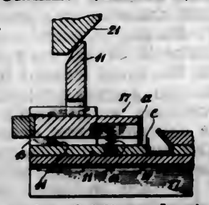
1. A fastener adapted to be inserted in slots formed in the abutting portions of pieces to be joined, comprising a pair of plane right-triangular wings having one side edge in common, the hypotenuses of said wings each having a plurality of tangs spaced therealong adapted to penetrate the material of said pieces at the bottoms of the slots when the fastener is driven home therein, the edges of the tangs adjacent said common edge sloping downwardly away from the latter whereby to exert a wedging action tending to draw said pieces together as the tangs penetrate, the edges of said tangs remote from said common edge each having a slope which is ineffective to interfere with said wedging action.

2,569,533
DIFFERENTIAL
Porter S. Morgan, Westport, Conn.
Application March 12, 1949, Serial No. 81,121
8 Claims. (Cl. 74—711)



1. In a differential of the type in which driving force is transmitted to two collinear shafts by the pinions of an epicyclic gear train, an epicyclic gear in such train, a brake drum rotating with such gear, a rotatable driving member, and a pair of braking surfaces carried by such rotatable member adapted to cooperate with such brake drum to transmit the driving force to such epicyclic gear, said braking surfaces being so positioned that they will contact such brake drum toward the sides thereof with the angle between the radii leading from the axis of the brake drum to the centers of pressure of the braking surfaces being between 120° and 164° whereby a wedging action is obtained.

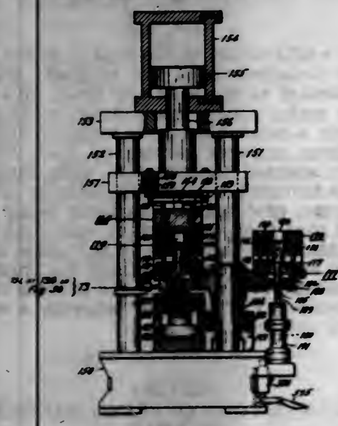
2,569,534
MACHINE FOR COVERING HANDBAG FRAMES
Johann Adam Netz, Batavia, N. Y., assignor to Lanca Handbags Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1948, Serial No. 48,852
6 Claims. (Cl. 154—41)



1. A machine for folding sheet material into contact with the walls of a handbag frame having a channel-like structure, comprising a plate having a groove to receive said frame with its spaced wall portions extending upwardly and said sheet material partially folded thereabout, said groove being of such depth that a wall of the frame which is to be covered is below the surface of the plate, and the covering material to be folded about such wall portion projects above the plate; folder means slidably mounted on said plate for movement in the direction of, and away from, said projecting cover material, said

means being supported above said plate by a downwardly projecting wall riding upon said plate, said wall being engageable with said projecting cover material; driver means releasably engaging with said folder means for advancing said folder means and therewith associated wall into contact with and across said covering material until said wall member is in the channel area of said frames and thus unsupported by said plate; means for rotating said folder means to cause its said wall to drive said covering material downwardly into adjacency with said wall portion of said frame; and means for moving said folder means in reverse direction to cause a surface of its said wall to press said covering material into contact with a surface of said frame wall.

2,569,535
APPARATUS FOR MOLDING THERMOPLASTIC MATERIAL
Eugene C. Quear and Willard C. Shaw, Anderson, and James R. Edwards, Middletown, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 13, 1947, Serial No. 791,520
6 Claims. (Cl. 18—30)



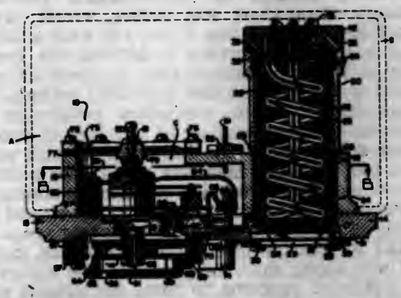
1. Molding equipment including two molding presses distinguished as left press and right press, each press comprising a conveyor having a plurality of molds each having a compression chamber for receiving molding material and a ram in the compression chamber and movable to locate one mold at a loading station and another at a work station, a mold at the work station adapted to engage with the mold located by the conveyor at the work station, a press controller having first and second positions, an hydraulic system under control by the controller and operable automatically, when the controller is in first position, to effect in sequence the closing of the molds, the movement of the ram to inject material in the compression chamber of a mold into the mold cavities, and operable automatically when the controller is in the second position to effect in sequence, retraction of the ram, separation of the molds and indexing of the conveyor, said equipment including also a doser having provisions for heating molding material and discharging it, a doser controller having a first position for causing the doser to operate and a second position for causing the doser to stop, a pill-maker which receives heated material from the doser and has means for forming the heated material into a briquet or pill to be placed by the operator in the compression chamber of a mold of a press then inactive, a pill-maker controller having a first position for nonoperation of the pill-maker and a second position for causing operation thereof, a cure timer, a left press dose timer for controlling the duration of operation of the doser for preparation of a charge for the left press, a right press dose timer for controlling the duration of operation of the doser for preparation of a charge for the right press, means rendered operative in response to indexing of the left press conveyor for causing the cure timer to operate and the left press control to move into first position, means responsive to timing out of the cure timer for causing the doser controller to move into first position and the right press dose timer to operate, means responsive to the timing out of the right press dose timer to cause the doser controller to move to second position and the pill-maker controller to move to second position to cause operation of the pill-maker for the benefit of the right press, means responsive to completion of the operation of the pill-maker for causing the right press controller to move into second position, means rendered operative in response to indexing of the right press conveyor for causing the cure timer to operate and the right press control to move into first position, means responsive to the timing out of the cure timer for causing the doser controller to move into first position and the left press dose timer to operate, means responsive to the timing out of the left press dose timer to cause the doser controller to move to second position and the pill-maker controller to move into second position to cause operation of the pill-maker for the benefit of the left press and means responsive to completion of the operation of the pill-maker for causing the left press controller to move into second position.

2,569,536
LAMINATED STRUCTURE
William B. Reynolds, Bartlesville, Okla., and Gerard Kraus and Anthony Conciatori, Cincinnati, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 27, 1946, Serial No. 712,670
2 Claims. (Cl. 154—43)



1. A new article of manufacture comprising a laminated structure including at least four layers, one of said layers being a hard non-porous material, another of said layers consisting of rubberlike material taken from the class consisting of conjugated diolefin compounds and an intermediate layer co-extensively bonded to the non-porous layer consisting of a chlorinated adhesion cement consisting of a partially chlorinated co-polymer of a conjugated diene compound taken from the class consisting of isoprene; 2,3 di-methyl butadiene; di-chloro butadiene, chloroprene; 2 methyl pentadiene 1,3-4-methyl-pentadiene 1,3 and piperylene and a substituted ethylene compound wherein the chlorination of the copolymer is between 5% and 49% thereof taken from the class consisting of styrene; alpha-para-di-methyl-styrene; di-chloro-styrene; vinylidene chloride; methyl-methacrylate; mono-chloro-styrene; acrylonitrile; difluoro-styrene and mono-fluoro-styrene and a second intermediate layer disposed between said chlorinated co-polymer layer and said conjugated diolefin compound layer, said second intermediate layer consisting of a reinforced rubber cement containing rubber, carbon black in quantities by weight of at least 56% of the rubber, and a solvent, said article being substantially integral whereby the rubberlike layer is bonded to the non-porous material through said intermediate layer by a bond that will withstand a pull of at least 750 lbs. per square inch.

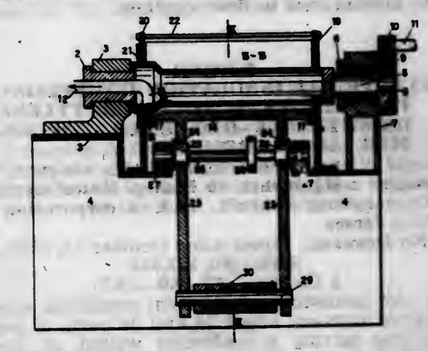
2,569,537
HUMIDITY CONTROL UNIT
Azor D. Robbins, Hempstead, N. Y., assignor to Specialties, Inc., Syosset, Long Island, N. Y.
Application March 15, 1950, Serial No. 149,766
13 Claims. (Cl. 98—1.5)



1. A humidity control unit of the character described for attaching to an instrument casing comprising a first chamber with an orifice exposing same to the atmosphere external of the instrument casing; a flexible diaphragm in one wall of the first chamber adapted to be acted upon by the atmosphere internal of the instrument casing when same exceeds the pressure of the external atmosphere; a second chamber; a flexible diaphragm in one wall of said second chamber adapted to be acted upon by the external atmospheric pressure when same exceeds the internal atmospheric pressure; a passageway from said second chamber to a container having a body of desiccant therein; openings through said container to the interior of the instrument casing; a first valve operated by said second diaphragm upon increase of external atmospheric pressure to open to allow fluid flow of atmosphere inwardly into said second chamber, through said passageway, said desiccant and said openings into the interior of the instrument casing; and a second valve operated by said first diaphragm upon decrease of external pressure to open to allow fluid flow of said interior atmosphere through said openings, said desiccant, said passageway, said second chamber to said first chamber and out through said orifice to the external atmosphere; said valves closing when equilibrium pressure conditions are established between the interior and external atmospheres.

2,569,538
APPARATUS AND METHOD FOR MOLDING TUBES FROM CEMENTITIOUS MATERIAL
Pino Salvaneschi, Mexico City, Mexico
Application July 20, 1949, Serial No. 105,704
In Italy August 21, 1948
19 Claims. (Cl. 25—30)

1. Process for the manufacture and the compression of tubes from pastes capable of hardening, thereby characterised that the tube is formed and compressed on a permeable mandrel subjected internally to a suction action while the said mandrel rotates in the interior of a channel containing the paste by subjecting said channel to a periodical motion in a direction not parallel to the axis of the tube, the tubes thus produced being successively taken off.



14. Apparatus according to claim 13, characterised by the fact that the channel is pivoted on at least one pivot rotating excentrically around an axis parallel to the axis of the mandrel and on at least one other pivot having its axis parallel to the said two axes and situate in their plane beneath the first pivot above mentioned and free to move in the said plane perpendicularly to the said axes.

2,569,539
FRICTION MATERIAL
Harold W. Schultz, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application October 30, 1947, Serial No. 783,211
3 Claims. (Cl. 260—17.2)

1. A friction facing material for use in clutch plates and the like, comprising a clutch facing element formed from a molded mixture of a thermosetting resin and a filler taken from the class consisting of cotton flock, granulated cork and asbestos fiber and having metal powder uniformly dispersed therethrough consisting of, precast copper-lead powder in quantities of from 15 to 75% by weight of the element and wherein each particle of the powder includes copper and lead intimately interspersed therethrough in quantities of from 50 to 80% copper and from 50 to 20% lead.

2,569,540
SELF-SEALING INSULATING MATERIAL OF HIGH DIELECTRIC STRENGTH
Harold E. Selby, Brooklyn, N. Y., assignor, by mesne assignments, to Bishop Manufacturing Corporation, Summit, N. J., a corporation of New Jersey
No Drawing. Application January 4, 1949, Serial No. 69,235
6 Claims. (Cl. 260—27)

1. An insulating composition of high dielectric strength which upon being stretched and disposed in overlapping laminations flows together into a homogeneous body, consisting essentially of a normally semi-rigid polyethylene having electrical insulating properties, the amount of polyethylene being up to 50%, between about 5%

and 20% of a sulfur-vulcanizable rubbery copolymer of isobutylene and a diolefin in approximately the proportions of 98:2, between about 9% and 65% of at least one polyisobutylene having an average unit molecular weight between about 60,000 and 75,000 and between about 1% and 20% of a resinous tackifier for imparting flow and cohesiveness to said composition to cause said laminations to flow together.

2,569,541

ELECTRICAL INSULATION COMPRISING POLYETHYLENE, POLYISOBUTYLENE, ISOBUTYLENE-DIOLEFIN COPOLYMER, AND LUBRICANT

Harold E. Selby, Brooklyn, N. Y., assignor, by mesne assignments, to Bishop Manufacturing Corporation, Summit, N. J., a corporation of New Jersey

No Drawing. Application October 19, 1949, Serial No. 122,355
5 Claims. (Cl. 260—23.7)

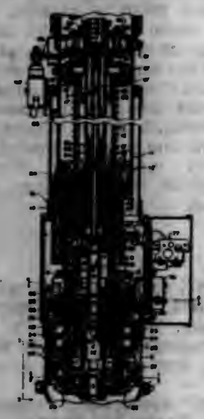
1. An insulating composition consisting essentially of between about 24 and 28 parts of polyethylene having a molecular weight of about 20,000, between about 14 and 30 parts of at least one isobutylene homopolymer having an average molecular weight between about 40,000 and 60,000, between about 7 and 14 parts of a rubbery copolymer of isobutylene and a diolefin in approximately the proportions of 98:2, and between about ½ part and 2 parts of a lubricant, all parts being by weight, said composition being thermoplastic and extrudable at elevated temperature and resistant to shattering under impact at temperatures below 0° F.

2,569,542

ACTUATING SCREWS

Wallace E. Skidmore, Robert P. Person, and Frank Terdina, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware

Application December 6, 1946, Serial No. 714,464
22 Claims. (Cl. 192—8)



1. A strut comprising cooperating antifriction screw and nut units, locking means carried antirotationally by said units and normally disengaged but interengageable between said screw and nut units in strut-contracted relationship to hold the screw and nut units against relative strut-extending movement resulting from axial strut loads, and means operable, independently of axial strut load, to release said locking means to enable strut-extending relative movement of said screw and nut units unrestrained by said locking means.

2,569,543

MASONRY SIMULATING ROLL SIDING AND PROCESS OF PRODUCING SAME

Charles Stolp, Jr., Chicago, Ill., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application June 5, 1948, Serial No. 31,344
5 Claims. (Cl. 117—5)



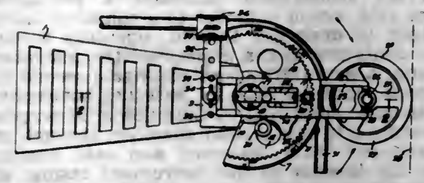
1. In a process for continuously producing masonry simulating roll siding which process comprises impregnating a felt web with a bituminous saturant, applying a bituminous coating layer to the impregnated web, and surfacing the coated web with granular surfacing material, the improvement which comprises embossing the granular material surface of said web to produce across substantially the full width of said web at least two different masonry simulating patterns, each of said patterns being repeated in contiguous relationship along the length of said web and consisting of different masonry simulating areas separated by mortar line simulating areas, cutting said web along each longitudinal line separating the different patterns to form contiguous strips having said different patterns thereon respectively and winding said strips to form rolls of siding each roll containing at least two of said strips having said different patterns thereon respectively in side by side relationship on said roll.

2,569,544

PORTABLE BENDING MACHINE

Edward T. Tal, Milwaukee, Wis.

Application June 1, 1948, Serial No. 30,251
9 Claims. (Cl. 153—46)



1. A portable bending machine for bending a pipe or tube member in a substantially horizontal plane which comprises an elongated plate-like base adapted to rest upon the floor and to be maintained in place during bending operations by an operator standing thereon, an upstanding shaft secured to said base adjacent one end thereof, a former shoe mounted on said shaft above the base and having a circumferentially extending rim with a groove therein of semi-circular cross-section, a generally large size freely rotating roller wheel having a circumferentially extending rim radially aligned with the rim of said shoe and a groove in said rim of semi-circular cross-section complementary to the groove in said shoe to provide a circular groove between the roller wheel and shoe to receive the member to be bent, means to support said wheel from said shaft for rotation around the former

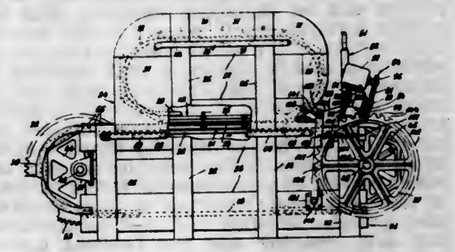
shoe, and means mounted on said first mentioned means, geared to said shoe, and extending substantially vertically upwardly therefrom for access to the operator for rotating the wheel around the shoe on said shaft to bend the member to the angle desired.

2,569,545

ENDLESS BAND BLADE BREAD SLICER

Harry G. Tatosian, Bronx, N. Y., assignor to King Kone Corporation, New York, N. Y., a corporation of New York

Original application May 1, 1947, Serial No. 745,132. Divided and this application January 18, 1949, Serial No. 71,446
5 Claims. (Cl. 146—88)



1. A bread slicing mechanism comprising an operating conveyor, trackways mounted on opposite sides of said conveyor for supporting a bread magazine thereover, a bread magazine mounted on said trackways and adapted to be reciprocated thereover having a plurality of tubular pockets for receiving a plurality of bread loaves stacked end to end, a stationary platform mounted over said conveyor and below said magazine for supporting the lowermost loaf of bread in slicing position, a stationary receiving platform mounted in a different horizontal plane from the plane of said supporting means above said conveyor and below said magazine for receiving the lowermost loaf of bread after a slice has been cut therefrom, an endless band saw mounted adjacent the receiving edge of said receiving platform, pairs of spaced guide means at each side of the receiving platform for maintaining said band saw in alignment with the receiving edge thereof and means connected with said conveyor for intermittently reciprocating said magazine over said trackway whereby a slice is cut and deposited on said conveyor.

2,569,546

SPINNING COT

Robert C. Treue, Waynesville, N. C., assignor to The Dayton Rubber Company, Dayton, Ohio, a corporation of Ohio

Application December 22, 1945, Serial No. 636,557
3 Claims. (Cl. 19—143)



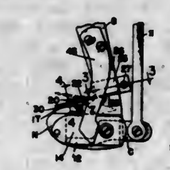
1. A spinning cot for the processing of textile fibers which is relatively free from eyebrowing and lapping up during operation in both dry and humid atmospheres which comprises a body of rubber composition having glass fibers uniformly dispersed therein, said fibers being substantially parallelly arranged with respect to each other comprising longitudinally elongated cavities proand the axis of the cot, and extending longitudinally of said axis, the surface of said cot duced by the removal of fibers from said surface.

2,569,547

THREAD CONTROL FOR WEFT REPLENISHING LOOMS

Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 27, 1950, Serial No. 158,357
11 Claims. (Cl. 139—257)



1. In thread control mechanism for a weft replenishing loom having a thread extending from the cloth selvage to a thread holder, a lay having a thread placer for engagement with said thread as the lay moves forwardly, a shuttle position detector, an upwardly and forwardly extending thread hook on the shuttle detector, and a thread trapping member on the shuttle detector yieldable upwardly and when in normal position forming a thread bight with said hook, said placer on a forward beat of the lay moving the thread into said bight and upwardly along said hook to a position forward of the latter and causing the thread to effect upward movement of said trapping member from the normal position thereof, said trapping member subsequently moving downwardly to the normal position thereof to trap the thread forwardly of said hook.

2,569,548

PENCIL LEAD SHARPENING MACHINE

Harry Le Roy Adams, Denver, Colo., assignor of one-tenth to Veda G. Jones

Application June 13, 1949, Serial No. 98,760
4 Claims. (Cl. 120—94)



1. A pencil lead sharpener comprising: a fixed cylinder; an idler roller of uniform diameter throughout its length positioned eccentrically of said cylinder with its axis parallel to the axis of said cylinder; means for causing said roller to travel in a circular orbit about said cylinder; an endless abrasive belt surrounding said cylinder and said roller; and means for holding a pencil lead in a transverse position against and across said belt between said cylinder and said roller during the orbitual movement of the latter.

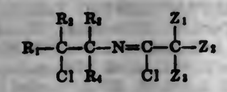
2,569,549

IMIDOHALIDES AND PROCESS OF PREPARING THEM AND THEIR HYDROLYSIS PRODUCTS

Paul L. Barrick, Boulder, Colo., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 21, 1949, Serial No. 82,697
9 Claims. (Cl. 260—543)

1. An imidochloride of an N-acyl-beta-chloroamine having the following general formula



wherein R_1, R_2, R_3 and R_4 are members of the group consisting of hydrogen, phenyl, alkyl radicals of from 1 to 6 carbon atoms, and methylene radicals joined together with the carbon atoms attached to nitrogen and chlorine to form a 5 to 6 membered alicyclic ring, at least two of said members R_1, R_2, R_3 and R_4 being hydrogen, the total number of carbon atoms in said members R_1, R_2, R_3 and R_4 not exceeding ten, and Z_1, Z_2 and Z_3 are members of the group consisting of chlorine, alkyl of 1 to 6 carbon atoms and chloromethyl.

3. A process for the preparation of an imidohalide of an N-acyl-beta-haloamine which comprises halogenating at a temperature of —50° to 100° C. ethylenically unsaturated hydrocarbon containing from 2 to 12 carbon atoms with a halogen having an atomic number of 17 to 35 in contact with a nitrile which is present in an amount of at least one mole per mole of said ethylenically unsaturated compound.

2,569,550

TUBE SOCKET FOR PRINTED CIRCUITS

Hugh M. Barton, Jr., Brooklyn, N. Y., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 20, 1948, Serial No. 66,288
3 Claims. (Cl. 173—328)



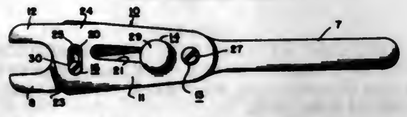
3. The combination, with a flat base of insulating material having an opening formed therein for receiving a tube socket, and leads for connection to the tube electrodes, of a tube socket of insulating material having a flanged base engageable with the lower side of said insulating base, a plurality of jacks of conductive material in said socket each adapted to receive a tube prong, a conductive lug secured to each jack and extending radially from said tube socket, a conductive member for securing the outer end of each lug to said base in contact with one of said conductors, a circumferential slot formed in the upper part of said socket, and a split retainer ring of resilient material having a dished outer portion engageable with the upper side of said base to cover the exposed portions of said conductive members and an interior flange fitting into said slot to resiliently hold the socket in position upon the base.

2,569,551

PIVOTED SIDE JAW WRENCH HAVING ARCUATE GUIDE SLOT AND LONGITUDINALLY SLIDABLE ACTUATOR

Fred E. Bradley, Ferguson, Mo.

Application May 5, 1949, Serial No. 91,530
2 Claims. (Cl. 81—112)



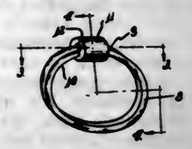
1. In an adjustable wrench, the combination of a major body comprising a handle portion, a jaw portion, and an elongated, relatively wide intermediate portion between said handle and jaw portions, a minor body comprising a jaw portion and an elongated, relatively wide base portion juxtaposed with respect to said intermediate portion of the major body, so that the jaw portions of said bodies are in work-engaging relationship, one of said relatively wide portions being provided with a transversely extending arcuate slot struck from an axis adjacent said handle portion, means pivotally connecting said major and minor bodies together at said axis, means carried by and reciprocable longitudinally of said elongated intermediate and elongated base portions, to swing said base portion about said axis, whereby said jaw portions may be moved toward and away from each other, and means comprising a shank extending into said arcuate slot of the one relatively wide portion and rigid with the other relatively wide portion of said bodies and a head on the shank to prevent separation of said portions of the bodies in the direction of said axis.

2,569,552

WIRE CLOTHESPIN

William H. Bridwell, Tulsa, Okla.

Application December 5, 1945, Serial No. 632,912
1 Claim. (Cl. 24—139)



A fastening device of the class described comprising: a body formed from a single piece of resilient wire coiled upon itself to provide a coil, the ends of said wire being extended at opposite sides of said coil to provide a portion of a coil at each side of the coil; and a gripping member having a passage formed therethrough, said coil extending through said passage and rotatable thereon, and the opposed end faces of the ends of said wire being positioned adjacent to and in spaced relation to the end face of said gripping member.

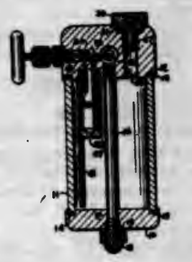
2,569,553

LUBRICATOR FOR AIR LINES

Corning Stevens Brush, Algonac, Mich., assignor to Monnier Brothers, Inc., Algonac, Mich., a corporation of Michigan

Application October 23, 1948, Serial No. 56,159
6 Claims. (Cl. 184—55)

1. A lubricator of the class described, comprising a vertically disposed bowl; a head on said bowl, said head having an air passage formed horizontally therethrough for conducting air under pressure therethrough; a container mounted on said head and positioned within said bowl; a tube mounted on said head and projecting at one end into said container and terminating at its lower end adjacent to the bottom of said container and communicating at its upper end with the air passage through said head; a shorter tube mounted on said head and projecting at one end into said container; a lubricant delivery tube



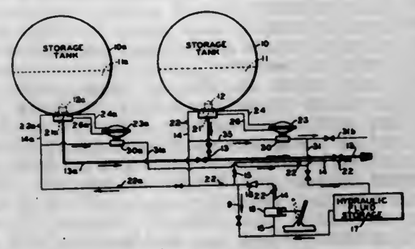
mounted on said head and projecting at one end into said bowl and terminating at its lower end below the normal lubricant level in said bowl and communicating at its upper end through a passage in said head with said shorter tube for delivering lubricant into said container, said head having a passage formed therethrough communicating with the air passage and with the interior of said bowl for delivering air under pressure to said bowl.

2,569,554

FLUID DISPENSING SYSTEM

Doyle D. Buttolph, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 16, 1949, Serial No. 133,264
12 Claims. (Cl. 62—1)



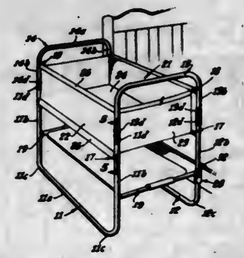
1. A liquefied gas dispensing system, comprising in combination, a tank, a liquid dispensing line in communication with said tank, a pressure fluid conduit, means to establish fluid pressure in said conduit, a first motor valve comprising a valve in said line controlling flow of liquid from said tank, a motor controlling said valve and means biasing said valve closed, said motor being connected to said conduit and operated by fluid pressure therein to overcome said biasing means and open said valve, means for effecting a pressure differential between a first and second point in said line responsive to liquid flow therein, a second motor valve comprising a motor connected to said line at said points and operated by said pressure differential when it exceeds a predetermined value and a valve connected to said conduit between said fluid pressure establishing means and the motor of said first motor valve bleeding said conduit of fluid pressure when operated by said motor of said second motor valve, whereby said biasing means closes said valve in said line and stops liquid flow in said line when said differential exceeds said predetermined value.

2,569,555

UTILITY FRAME

Eileen B. Chansler and Hal Chansler, Los Angeles, Calif.

Application June 10, 1946, Serial No. 675,528
7 Claims. (Cl. 5—93)



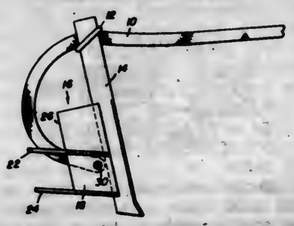
1. A utility frame comprising spaced parallel upwardly opening U-shaped main frame members each formed with a surface contacting portion and with upwardly extending legs, spaced parallel downwardly opening U-shaped main frame members extended between said upwardly opening U-shaped members and formed with downwardly extending legs, break joints removably connecting the legs of said upper and lower frame members, and a pair of vertically spaced side members lying in the plane of each of said upwardly opening U-shaped members, one connecting the upwardly extending legs of each of said upwardly opening U-shaped members at a level below said break joints, and the other connecting the downwardly extending legs of different downwardly opening U-shaped members at a level above said break joints, and a receptacle positioned between said upwardly opening U-shaped frame members and provided with supporting means along its sides seating on said vertically spaced side members.

2,569,556

SUBSOIL PLOW

De Estin Collins and Myron Bergstrom, Willard, Mont.

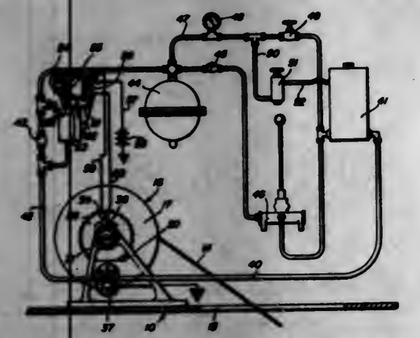
Application April 11, 1949, Serial No. 86,616
1 Claim. (Cl. 97—113)



In a plow construction having a plow beam and a coulter blade supported thereon; a sod plow comprising rearwardly diverging plates secured to the coulter blade, means for securing the plow beam to and between said plates, and vertically spaced, rearwardly extending, upwardly

inclined fins carried by said plates, said fins including arcuate plates and extending beyond the rear edges of said peripheral edges, said fins progressively increasing in width from bottom to top of said plow construction.

2,569,557
LOADING AIRCRAFT
John H. Connelly, Phoenix, Ariz., assignor to Southwest Airways Company, Phoenix, Ariz., a corporation of Arizona
Application February 13, 1946, Serial No. 647,303
19 Claims. (Cl. 258—1.2)



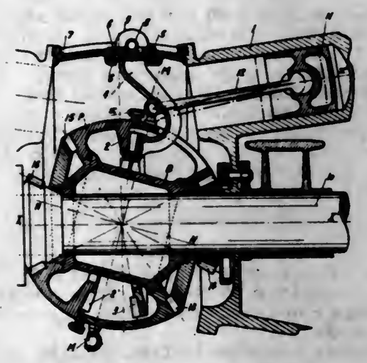
3. Apparatus for loading aircraft in flight which includes a cable fitted at one end with a grapple adapted to grab an object supported beneath an airplane in flight, a reel carried by the plane to which one end of the cable is attached and upon which the cable is adapted to be wound to transfer the object to the plane, means carried by the plane remote from the reel to store the energy imparted to the reel by the inertia of the object, means connected to the energy storing means and to the reel for converting the energy imparted to the reel incident to the unwinding of the cable therefrom into storable energy and to utilize the stored energy to transfer the object to the plane, and means actuated by the reel to establish the flow of energy from the energy storing means to the energy converting means to assist in the winding of the cable on the reel during the transfer of the object to the plane.

2,569,558
HEIGHT GAUGE
Lee H. Cormier, Detroit, Mich.
Application August 19, 1946, Serial No. 691,462
1 Claim. (Cl. 33—169)



A height gauge comprising a base, a vertical standard on said base, a scriber slide on said standard, a reciprocable plunger mounted in a bore in the slide normal to an edge of the standard, said standard having V notches providing pairs of upper and lower flat engaging surfaces in its edge at definite spaced intervals therealong with short laterally extending vertical walls of the edge of the standard between the notches and having extended lateral cuts into the standard from the sides of and extending the inner portions of the V notches, said plunger having V-shaped projecting teeth correspondingly spaced on the inner end thereof and having corresponding upper and lower flat side surfaces for full surface engagement with the flat engaging surfaces of the V notches in the edge of the standard, whereby the outer and inner edges of the teeth will be free from engagement with any portions of the standard, and means for urging said plunger into gripping relation with the edge of the standard, with its teeth engaging selected notches in the edge of the standard.

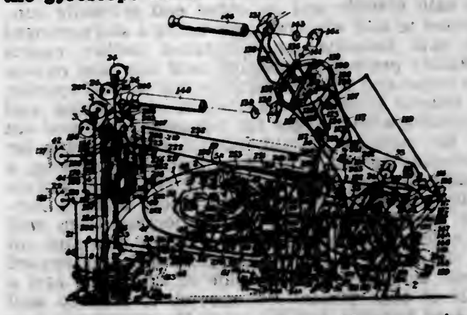
2,569,559
ADJUSTABLE POWER TRANSMISSION
René Devillers, Paris, France, assignor to Societe Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France, a company of France
Application August 13, 1946, Serial No. 690,319
In France September 12, 1942
3 Claims. (Cl. 74—60)



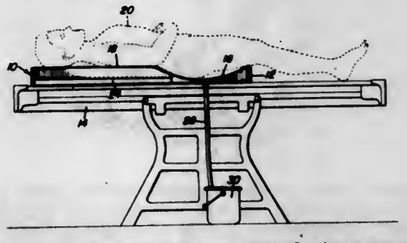
1. An adjustable power transmission comprising in combination a stationary casing, a shaft rotatably mounted in said casing, reciprocatory members mounted in said casing, a swash member mounted on said shaft, means connecting said reciprocatory members to said swash member to urge said swash member in unison with said reciprocatory members, means drivingly connecting said swash member with said shaft for converting the movement of said swash member into a rotary movement of said shaft, a bevel gear carried by said swash member coaxially therewith, a second bevel gear coaxial with said shaft, supported from said casing for angular displacement around its own axis and meshing with said first-mentioned bevel gear, and means borne on said casing for angularly adjusting the position of said second bevel gear around its axis whereby the angular position of said swash member around its own axis is varied.

2,569,560
GUN SIGHT
Hannibal C. Ford, Great Neck, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application February 6, 1945, Serial No. 576,451
22 Claims. (Cl. 33—49)

1. A fire control instrument comprising a gyroscope mounted for movement about an axis, a stable element operative to maintain a stable reference plane, means for applying a torque to the gyroscope to cause it to precess about said axis, and means responsive to the movement of the gyroscope about its axis with respect to the reference plan to vary the said precessional torque.



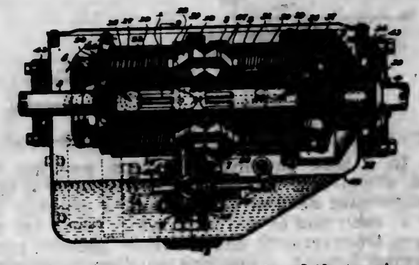
2,569,561
COMBINED FILM HOLDER AND DRAIN PAN FOR RADIOGRAPHIC EXAMINATIONS
Max Friedman, New York, N. Y., assignor of thirty-three and one-third per cent each to Nell Spiegel and Barbara Friedman, both of Bronx, N. Y.
Application August 7, 1950, Serial No. 178,098
1 Claim. (Cl. 250—57)



A combined film holder and drain pan for radiographic examinations comprising an elongated body adapted to be positioned on a radiographic table, said body including upper and lower surfaces, the upper surface at one end portion of said body being depressed and downwardly inclined towards one longitudinal edge of said body and serving as a buttocks support and drain pan, a drainage port through said one end portion of said body and adjacent said one longitudinal edge, the remaining end portion of said body having a planar upper surface adapted to support the head and back of a patient and a horizontal elongated pocket beneath said planar upper surface and opening through said one longitudinal edge for removably receiving a film cassette.

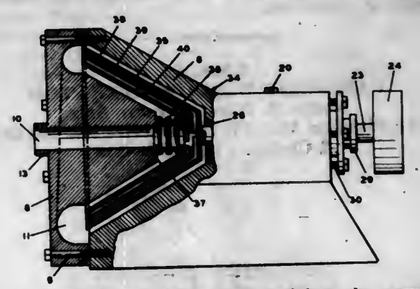
2,569,562
PUMP AND MOTOR HYDRAULIC TRANSMISSION
Douglas Fitch Freebe, Oakland, Calif.
Application June 3, 1946, Serial No. 674,022
3 Claims. (Cl. 60—53)

2. In a pump and motor hydraulic transmission comprising rotatable separate power input and output shafts, a multi-cylinder variable capacity pump unit connected for rotation with said input shaft, a multi-cylinder fixed capacity motor unit operatively disposed between said input and output shafts and having a pressure responsive element connected with and to rotate said output shaft, said pump and motor units having relatively confronting ports through which liquid may be transferred between the pump and motor units in accordance with variations in the capacity of said pump unit, a fixed valve head having separate passages therein arranged to communicate with ports of the pump unit during rotation of the latter, a valve block carried by and rotatable with the input shaft and provided with separate passages complementary with the passages of the valve head and arranged



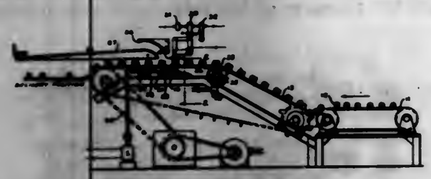
to communicate with the ports of the motor unit during rotation of the latter and of the input shaft, said valve head having therein ducts through which liquid flows between the separate passages of said valve head, valve means in said ducts operable by the flow of liquid to control said flow, and means for locking said valve means in inoperative position whereby fluid coupling between the pump and motor units is disengaged.

2,569,563
CENTRIFUGAL PUMP
Lloyd B. Grantham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 10, 1946, Serial No. 675,609
5 Claims. (Cl. 103—88)



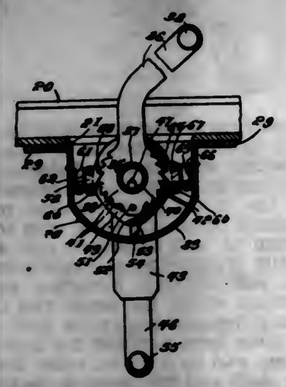
1. A centrifugal pump comprising, in combination, a housing including a pair of spaced frusto-conical members defining a chamber therebetween, an inlet conduit extending axially through the inner frusto-conical member, an outlet conduit communicating with the enlarged end portion of said chamber, and an impeller of generally frusto-conical configuration in said chamber, said impeller including at least two frusto-conical shells, the inner and outer shells cooperating, respectively, with said housing to form an inner zone between the inner shell and the housing and to form an outer zone between the outer shell and the housing, means connecting said shells together to form a unitary structure, the outer end of each zone communicating with said enlarged end portion, means for sealing the inner end of each zone, means for establishing communication between said inlet conduit and the region between said inner and outer shells, means for driving said impeller, and means for sealing said driving means.

2,569,564
TUBE GAUGING AND SORTING MACHINE
John P. Gaillet, North Providence, R. I., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 5, 1948, Serial No. 13,242
2 Claims. (Cl. 209—88)



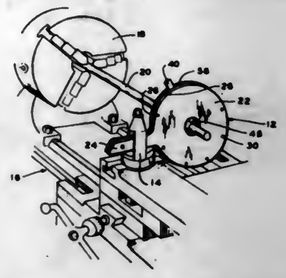
1. In a tube gauging apparatus, gauging devices, a conveyor for passing the ends of a tube through said devices, there being a gauging device at each end of the tube, while tubes are arranged transverse to the conveyor and are being conveyed toward a delivery position, a member associated with each of said devices, said member having make and break contacts, a pair of contacts adapted for closure by a tube of any diameter while said tube is arranged in gauging relation with said gauging devices, a device for ejecting from said conveyor a tube gauged outside a desired size range by either gauging device, apparatus included in a circuit including said pair of contacts, one of said members, and one of its associated contacts for preparing an operating circuit for said ejecting device, means including a contacting device mechanically associated with and actuated by the conveyor for completing the prepared operating circuit after the tube is advanced from between said gauging devices, and a second contacting device mechanically associated with and actuated by the conveyor for disabling said means following the ejecting operation.

2,569,565
CASEMENT WINDOW OPERATOR
Noble M. Hiser, Tucson, Ariz.
Application May 17, 1950, Serial No. 162,463
3 Claims. (Cl. 268—118)



1. In combination, a window frame, a window hingedly connected to said frame, a manually-operable mechanism for causing opening and closing of said window, said mechanism comprising a hollow housing secured to said frame and including a top wall and a spaced parallel bottom wall, a hollow cylindrical spindle rotatably supported by said top and bottom walls, there being an opening in said spindle intermediate its ends, an actuating arm having one end connected to said spindle and its other end pivotally connected to said window, there being a slot arranged in said housing, an elongated hollow casing slidably projecting through said slot and having its inner end rotatably connected to said spindle, a handle slidably arranged in said casing and provided with a finger for movement into and out of the opening in said spindle, a coil spring for normally urging said finger into said opening, a washer loosely mounted on said spindle and pivotally connected to said arm, there being a cutout in said washer, a pin projecting from said handle and mounted for movement into and out of the cutout in said washer, a plurality of spaced teeth arranged on each side of said arm, and a pair of dogs pivotally connected to the top wall of said housing and mounted for movement into and out of engagement with the teeth on said arm.

2,569,566
MACHINE TOOL
Harold L. Hoffman, Brielle, N. J.
Application July 26, 1948, Serial No. 40,649
2 Claims. (Cl. 164—60)

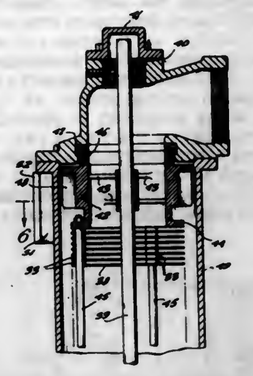


1. A lathe including a chuck, a carriage movable toward and away from said chuck, a cross-feed movable transversely relative to said carriage, a cut-off tool sustained by said carriage and coaxial with said chuck, said cut-off tool comprising a plurality of cut-off blades movable in a plane substantially perpendicular to said axis and movable substantially simultaneously toward and away from said axis, means to move said blades inwardly substantially simultaneously, said means being actuated by the cross-feed.

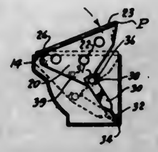
2,569,567
APPARATUS FOR SEPARATING DUST FROM DUST-LADEN AIR
Arthur H. Kern, New York, N. Y.
Application September 4, 1948, Serial No. 47,864
4 Claims. (Cl. 183—77)

1. In a separator of the character described, an axially-vertical chamber of circular cross-section, a rotor coaxially mounted within said chamber and comprising a stack of spaced annular discs concentric with the rotor axis, a tangential inlet for dust-laden air communicating with the space on the outside of said rotor, an air outlet communicating with the space on the inside of said rotor, means constraining the air passing through said chamber to travel inwardly through the spaces between said discs, and means for rotating said rotor in the direction of air movement to accelerate the rotative component of said movement and induce a laminar non-turbulent

air flow through said spaces, said means comprising a turbine wheel carried by the rotor and positioned in the region of the entering air for propulsion thereby.



2,569,568
EAVE TROUGH COVER
Julius Lipshaw, Detroit, Mich.
Application October 25, 1947, Serial No. 782,186
9 Claims. (Cl. 108—30)



1. A screen protector assembly for eave troughs comprising a screen section dimensioned to fit along the top edge of a trough, a clamping member on said screen having a portion for engaging the trough adjacent the top thereof, and a second member pivoted to said clamping member adapted to lodge in a lower corner of the trough and dimensioned with respect to the first member such that the overall distance between the said corner of the trough and the top portion thereof engaged by the clamping member is less than the over-all dimension of the first and second members.

2,569,569
CHILD'S GARMENT
Alice E. Maslin, New York, N. Y.
Application July 29, 1950, Serial No. 176,597
3 Claims. (Cl. 2—75)



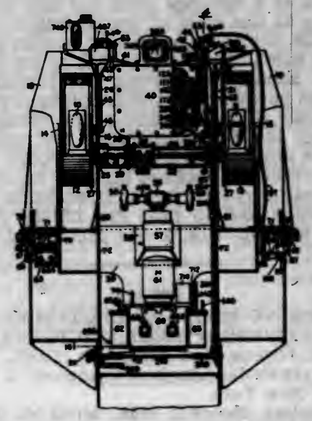
1. An adjustable garment comprising a skirt portion terminating in a waistband portion, a pair of shoulder portions formed on diagonals extending from spaced positions on said waistband portion and connected with said waistband portion, the diagonals of said shoulder portions crossing each other at both the front and rear of the garment and symmetrically formed at both the front and rear thereof, said shoulder portions having armhole portions formed therein above the spaced positions at which said shoulder portions connect with said waistband portion, each of said shoulder portions adjacent said armhole portions having inwardly extending loops formed therein and fastening means for said loops adapted to change the effective lengths of said loops for enlarging said armhole portions and effectively lengthening said shoulder portions and said skirt portion.

2,569,570
CRYSTAL DIODES AND JOINT CONTACT DEVICE
Herbert François Mataré, Vaucresson, and André Poilleaux, Livry-Gargan, France, assignors to Societe Anonyme dite: Compagnie des Freins & Signaux Westinghouse, Paris, France
Application February 16, 1949, Serial No. 76,822
In France February 18, 1948
4 Claims. (Cl. 175—366)



1. A point-contact element for crystal diodes a hollow capsule of resilient material having the axial section of a low stepped cone.

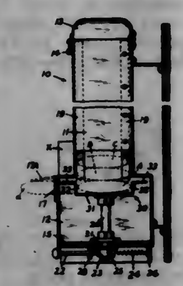
2,569,571
AUTOMATIC GUN CONTROL SYSTEM
William H. Newell, New York, James D. Tear, Great Neck, and Lawrence S. Brown, Long Island City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application May 5, 1944, Serial No. 534,230
7 Claims. (Cl. 89—41)



2. A gun control mechanism comprising a gun mount mounted for movement in train and in elevation, a gyroscope mounted for movement in train and in elevation, sighting means movable with said gyroscope to maintain the line of sight parallel to the spin axis of said gyroscope, and hydraulic follow-up mechanism including control valves actuated by said gyroscope, reversible

hydraulic motors driving said mount in train and in elevation and variable displacement reversible hydraulic pumps actuated by said gyro-controlled valves to control said last motors so as to cause the mount to follow the movement of said sight, automatic computing mechanism to compute the deflection in train and in elevation of said gun from said sight, and means setting the computed deflection into said control valves to modify the operation of said follow-up mechanism so as to cause the gun to be displaced from the sight by the computed amounts.

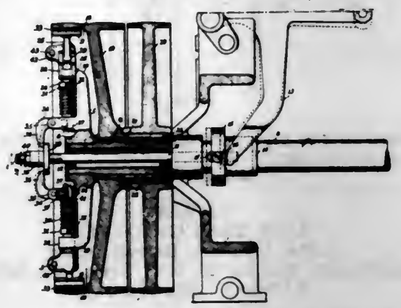
2,569,572
DISPENSING DEVICE FOR PACKAGED ARTICLES
Carl A. Olson, Jamaica, N. Y.
Application April 28, 1949, Serial No. 90,119
3 Claims. (Cl. 312—63)



1. A dispensing device for substantially rectangular elongated packages, said device comprising a casing forming a magazine for holding a plurality of packages in substantially vertical alinement and constructed to form a slot in one of its sides, a turntable under the magazine rotatable on an axis offset from the longitudinal center of the packages in the magazine, a trough formed in the turntable adapted to receive the lowermost package, one end of said trough terminating at a distance from the axis of rotation near one of the ends of the packages, the other end of the turntable projecting further from said axis but short of the other ends of the packages, resilient means for holding the turntable with its trough parallel with the packages in the magazine, a pair of independently and freely pivoted flaps over the slot, and means for rotating the turntable and the package in its trough manually to protract the package through the slot in the casing, said turntable being arranged to lift both of the flaps and to pass one of the flaps and allow it to drop back of the protracted package.

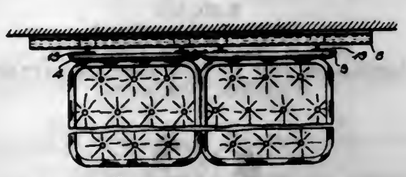
2,569,573
SPRING ENGAGED CLUTCH FOR TYPOGRAPHICAL MACHINES
Harry W. Owens, San Francisco, Calif., assignor to Mergenthaler Linotype Company, a corporation of New York
Application March 5, 1948, Serial No. 13,233
1 Claim. (Cl. 192—96)

In a typographical machine, the combination of a hollow drive shaft, a constantly driven pulley loosely mounted on the shaft and having a rim with an internal clutch face, a supporting member fixed to the drive shaft and having a pair of radial arms extending outwardly therefrom toward the pulley rim, a pair of radially disposed guide rods slidably mounted in inner and outer bearings projecting laterally from the radial arms, clutch shoes attached to the outer ends of said guide rods for cooperation with the internal clutch face of the pulley rim, a compression spring surrounding each guide rod and pressing at its inner end against the inner bearing therefor, a collar fixed to each guide rod against which the compression spring presses at its outer end, said collar being arranged in spaced relation to the outer bearing for the rod, a pair of diametrically opposed elbow levers intermediately pivoted to ears formed on the inner bearings for the guide rods, said levers presenting horizontal arms connected to the guide rods and vertical arms extend-



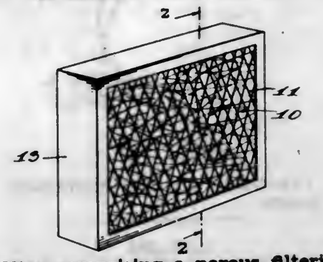
ing inward into the region of the hollow drive shaft, a control rod mounted for endwise movement in the hollow drive shaft and having an end portion protruding therefrom, a collar fixed to the protruding end of the control rod and arranged with its outer face in contact with the vertical arms of the elbow levers, and actuating means connected to the control rod at its opposite end, said actuating means when operated in one direction acting to disengage the clutch shoes from the pulley rim against the tension of the compression springs and when operated in the opposite direction permitting the springs to exercise themselves in effecting the engagement of the clutch shoes with the pulley rim.

2,569,574
TWO-IN-ONE BED
James A. Parker, Miami, Fla.
Application February 17, 1947, Serial No. 729,165
1 Claim. (Cl. 5—8)



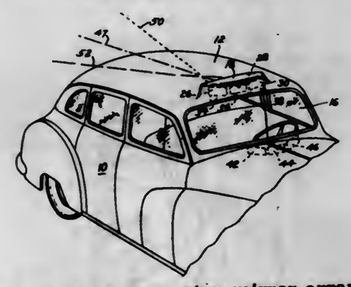
In combination, a support attached to the wall of a room, a channelled-shaped track attached to said support substantially parallel to the floor of said room, a pair of twin beds having a pair of legs at the front ends thereof resting upon the said floor, a back board attached to the rear of each said bed, a plurality of rods attached to each said back board substantially normal thereto and extending into said track, a shaft on each said rod normal thereto, rollers in said track and rotatably mounted on each end of each said shaft and overhanging guiding means on said track for retaining said rollers within said track.

2,569,575
AIR FILTER
Thomas E. Philipps, Granville, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application March 5, 1948, Serial No. 13,329
14 Claims. (Cl. 183—45)



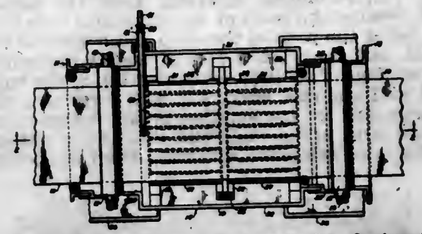
1. A filter comprising a porous filtering base, and a dust catching adhesive on said base in the form of an organo-inorganic salt of an acid of phosphorous.

2,569,576
REARVIEW MIRROR ARRANGEMENT
Clarence Ramme, Rodeo, Calif.
Application May 6, 1950, Serial No. 160,549
4 Claims. (Cl. 88—86)



1. A wide-angle rear-view mirror arrangement for an automotive vehicle having a roof, a dashboard and a windshield therebetween, said arrangement involving a first group of mirror sections disposed forwardly on said roof and including a central section facing along the longitudinal axis of said vehicle and left and right wing sections each facing rearwardly across said longitudinal axis; a second and corresponding group of mirror sections facing forwardly and disposed rearwardly and below said first group of mirror sections, the left wing section of said first group being tilted downwardly to direct reflected light through an opening in said roof to right wing section of said second group, the right wing section of said first group being tilted downwardly to direct reflected light through an opening in said roof to the left wing section of said second group, and the central section of said first group being tilted downwardly to direct reflected light to the central section of said second group; said second group of mirror sections being tilted downwardly to direct reflected light toward said dashboard; and a third and corresponding group of mirror sections disposed on said dashboard in the path of reflected light from said second group, the left section thereof being tilted upwardly to direct reflected light from the right section of said second group to the eye of an operator, the right section of said third group being tilted upwardly to reflect light from the left section of said second group to the eye of such operator, and the central section of said third group being tilted upwardly to reflect light from the central section of said second group to the eye of such operator.

2,569,577
METHOD OF AND APPARATUS FOR ELECTROPLATING
Harry J. Reading, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application May 9, 1947, Serial No. 747,906
11 Claims. (Cl. 204—28)



1. In apparatus for progressively electroplating only the bottom surface of strip with protective metal while the strip is continuously moving along a path, said apparatus comprising an electroplating cell including open tray means adapted to confine an open bath of electroplating solution, said tray means having an upwardly extending wall at its entry end terminating below the path of the strip, sidewalls at opposite sides of the tray means extending above the path of the strip, and wall means at the exit end of the tray means extending above the path of the strip whereby substantially all of the solution circulating through the cell flows rearwardly across the top of the wall at the entry end of the cell in a direction countercurrently to the direction of strip travel; a soluble anode of protective metal in the tray means below the path of the strip; means connecting the anode and the strip to a source of electroplating current as anode and cathode, respectively; means for supporting and horizontally moving the strip forwardly along such path across the tray from the entry end to the exit end with the bottom of the surface in contact with the bath and above the anode at a speed of at least 1,000 feet per minute whereby only the bottom surface is electroplated with anode metal; and means for discharging electroplating solution into said tray and against said strip, said last mentioned means consisting of means including an outlet positioned above the path of the strip arranged to discharge electroplating solution onto the top surface of the strip and consisting of means extending into the tray below the path of the strip and having a single outlet orifice positioned below the path of the strip between the anode and the wall at the entry end of the tray and arranged to discharge a single stream of electroplating solution upwardly against the bottom surface of the strip in a zone at the middle of the strip width adjacent the entry end of the tray and ahead of the anode.

2,569,578
APPARATUS FOR ELECTROCOATING STRIPLIKE MATERIAL
Ernest W. Rieger, Weirton, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application August 7, 1944, Serial No. 548,496
6 Claims. (Cl. 204—206)

1. In apparatus for progressively electroplating strip, the combination comprising, a tank for

holding a bath of electroplating solution, means for moving the strip along a horizontal path across the tank from the entry end to the exit end whereby the moving strip drags electroplating solution in the direction of strip travel, means for supplying electroplating solution to the tank, an electroplating anode disposed in said tank below the path of the strip, said tank having a bottom wall, side walls extending upwardly from the bottom wall above the path of the strip across the tank for preventing spillage of electroplating solution across the side walls, an entry end wall extending upwardly from the bottom wall toward the path of the strip and terminating below the path of the strip and below the side walls, said tank being free of means preventing the spillage of solution across the top of the entry end wall and said entry end wall forming a discharge weir for the solution at the entrance end of the tank, and an exit end wall at the exit end of the tank extending upwardly from the bottom



wall toward the path of the strip, said strip moving means comprising a pair of strip engaging rolls including an upper roll and a lower roll adjacent the discharge end of and positioned outside of the tank, one of said rolls being a contact roll for making electrical contact with the strip, means for connecting the contact roll and the anode to a source of electric current, sealing means extending between each of the side walls of the tank and the rolls and sealing means extending between at least one of the rolls and the exit end wall of the tank, the sealing means with the rolls preventing the spillage of electroplating solution from the exit end of the tank so that substantially all of the spillage of electroplating solution from the tank is across the entry end wall in a direction countercurrent to the direction of strip movement across the tank, and means extending beneath the entry end of the tank for collecting the electroplating solution spilling over the entry end wall of the tank.

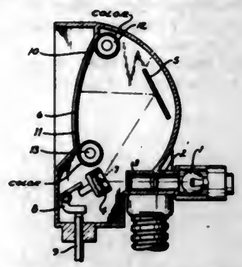
2,569,579

PROJECTION MEASURING DEVICE WITH SCREEN AND SCALE SECTIONS

Wilhelm Rinker, Wetzlar, Germany, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany, a corporation of Germany

Application June 2, 1950, Serial No. 165,679
In Germany September 16, 1949
8 Claims. (Cl. 88—24)

1. An indicating device for measuring apparatus comprising in combination: a light source; means for forming an image of said light source as an indicia mark; a screen; reflective means adapted to throw said image onto said screen; means for gauging a work piece; pivotable means forming part of said reflective means and being actuated by said gauging means to change the location of the indicia image on the screen in response to a movement of the gauging means controlled by the dimension of said work piece; a scale arranged on said screen and consisting of two scale sections arranged side by side each other and being longitudinally displaced so that only a fraction of each of said scale sections lies in an overlapping region, said indicia image being thrown onto one or the other of said scale



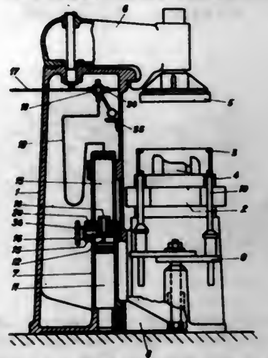
sections, depending on said movement of the gauging means.

2,569,580

MOLD DRAWING DEVICE FOR MOLDING MACHINES

Hans Jakob Rothschild, Schaffhausen, Switzerland, assignor to Georg Fischer Aktiengesellschaft, Schaffhausen, Switzerland, a company of Switzerland

Application February 10, 1949, Serial No. 75,703
In Switzerland December 9, 1948
2 Claims. (Cl. 22—48)



1. In a molding machine of the jolt, squeeze and draw type, a drawing device comprising, in combination with a molding machine standard, a lifting piston firmly connected with said standard, a drawing cylinder enclosing said piston and vertically slidable thereon, and pin-supporting means connected to said cylinder and movable therewith; a regulating sleeve located within said cylinder and having a bore passage formed therein, a regulating pin carried by said piston and entering said bore passage in the lowermost position of said cylinder, and means connecting said sleeve with said cylinder and selectively shifting said sleeve into one of a plurality of vertically displaced positions.

2,569,581

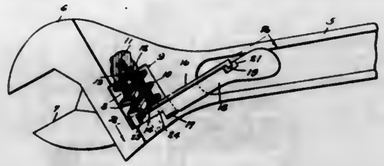
JAW ADJUSTING MEANS FOR SLIDABLE SIDE JAW WRENCHES

Junior Steven Ryland, Santa Barbara, Calif.

Application November 21, 1949, Serial No. 128,630
1 Claim. (Cl. 81—165)

In a wrench, a handle, a stationary jaw having a gear opening formed at one end of the handle, a slidable jaw cooperating with the stationary jaw in gripping an object, teeth on the slidable jaw extending into the gear opening, a shaft extending through the gear opening, a helical adjusting gear mounted on said shaft, cooperating with the movable jaw teeth in moving the

movable jaw with respect to the stationary jaw, a plate having a notch fitted over one edge of the gear opening, a cam on one surface of the plate, an arm extending from the plate in parallel relation to the handle, said plate resting against one end of the adjusting gear, a lever having a head portion provided with an opening in which said shaft extends, for pivotally mounting the lever thereon, said head portion having a cam surface cooperating with the cam surface of the plate in moving the plate and adjusting gear inwardly, the lever effecting rotation of said head portion and relative rotation of the cooperating cam surfaces, whereby said movable jaw is moved to its approximate gripping position on an object.

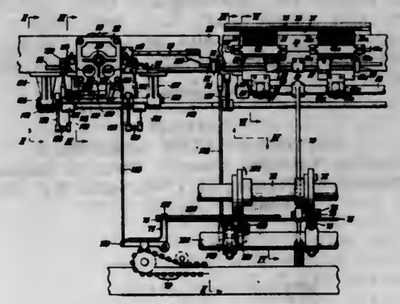


2,569,582

KNITTING MACHINE

Peter J. Schoenster, Teaneck, and Max Emil Ebert, West New York, N. J., assignors to Alfred Hofmann & Co., West New York, N. J., a corporation of New Jersey

Application January 14, 1949, Serial No. 70,928
16 Claims. (Cl. 66—89)



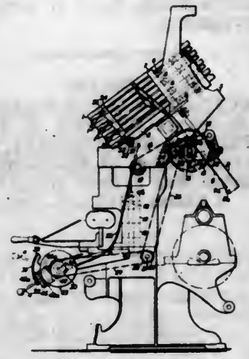
1. In a straight knitting machine, a fixedly-supported sinker head with a forward projection providing a press edge; a bar with spring beard needles adapted to be moved toward and away from the press edge during stitch formation; vertically-arranged auxiliary beard presser elements adapted to coact with individual needles and disposed beneath the forward projection of the sinker head, each such element having a longitudinal slot medially of its height; a fixedly-supported holder in which the presser elements are maintained in definite separation with capacity for independent up and down and pivotal movement; a horizontal pivot rod within the holder passing through the slots of the several auxiliary presser elements; means operative during the knitting to select varying numbers of the presser elements; and actuating means for lifting and at the same time moving the selected elements about the pivot rod so that their upper ends are positioned to the front of the presser edge.

2,569,583

MULTIPLE MAGAZINE ADJUSTING MEANS

Richard Henry Scott, Hale, and Arthur Staniland Hayward, Altrincham, England, assignors to Linotype and Machinery Limited, London, England, a British company

Application June 19, 1948, Serial No. 33,976
In Great Britain July 23, 1947
17 Claims. (Cl. 199—45)



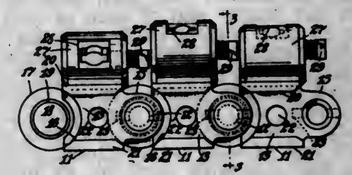
1. In or for a typographical composing machine of the shiftable magazine variety, magazine raising and lowering mechanism comprising, in combination, a rotatable member for imparting a raising or lowering movement to the magazine column, a hand lever movable upwardly and downwardly to operate said rotatable member, a rotatable support for the hand lever to permit of such upward and downward movements, said support being freely rotatable with respect to the rotatable member and mounted to turn about the same axis, a pivotal connection between the rotatable support and the hand lever to permit the hand lever to be moved laterally with respect to the rotatable member, and means for coupling the hand lever directly to the rotatable member, said coupling means comprising elements which are engaged and disengaged by opposite lateral movements of the hand lever, respectively.

2,569,584

COAL-CUTTER CHAIN

Stephen Shepherd-Smith, Beaconsfield, England, assignor to Austin Hoy & Company Limited, Aylesbury, England, a British company

Application July 14, 1947, Serial No. 760,760
In Great Britain November 6, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 6, 1961
5 Claims. (Cl. 262—33)



1. A coal-cutter chain comprising a series of identical links jointed together by hinge-pins wherein each link comprises identical side plates, spaced apart to carry between them welded-on

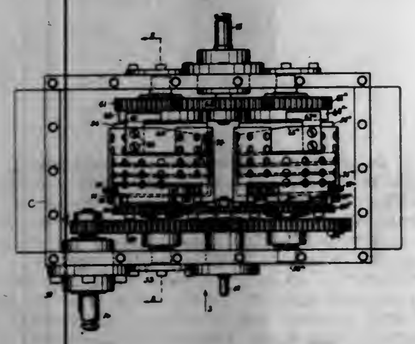
tool-carrying bosses, each of the side plates having short flanges along each edge of sufficient length to guide the link in the jib of the coal-cutter and to afford shelves for the welding but not long enough to overlie the joint at the hinge-pins, the links, apart from the bosses, being substantially symmetrical about a plane containing the axes of the hinge-pins, so that, on detachment of the bosses the links can be inverted and tool-carrying bosses welded on to the opposite edges of the side plates from those to which they were welded previously.

2,569,585

POWER ACTUATOR WITH PILOT CONTROL

Frederick B. Small, Waterloo, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application May 7, 1949, Serial No. 91,984
1 Claim. (Cl. 74—388)



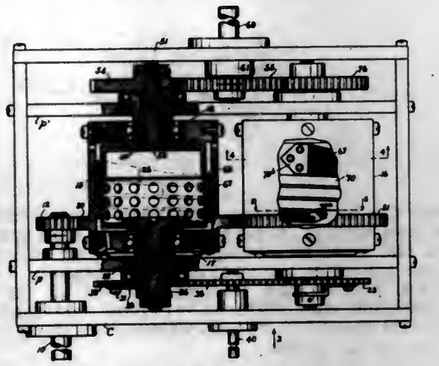
A driving mechanism comprising a continuously rotated power shaft, a pair of drums and drum shafts mounted in parallel spaced relation and adjacent said power shaft, equal gears secured on said drum shafts and intermeshing, a pinion on said power shaft operatively engaging one of said equal gears to rotate said drum shafts and drums continuously and at equal reduced speeds but in opposite directions, a normally stationary output shaft mounted parallel to and between said drum shafts and equally spaced therefrom, a normally stationary band encircling each drum but normally free therefrom, transmission gears mounted on said drum shafts but loose therefrom, a gear on said output shaft engaged by both of said transmission gears, an operative connection from one end of each band to its associated transmission gear, a normally stationary control shaft mounted parallel to and between said drum shafts, a band-tightening gear loose on each drum shaft, an operative connection from each band-tightening gear to the second end of each of said bands, a gear on said control shaft engaging both of said band-tightening gears, power means to displace said control shaft angularly, and pattern-controlled selective mechanism to control said power means, said control shaft when displaced angularly in a selected direction being effective through one of said band-tightening gears to tighten the associated band on its drum, and said drum being thereby rendered effective through said band and its associated transmission gear to turn said output shaft in a coordinated direction until movement of said control shaft ceases and until said band is loosened by further movement of the associated drum.

2,569,586

DRIVING MECHANISM WITH PILOT CONTROL

Frederick B. Small, Waterloo, N. Y., assignor to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts

Application September 8, 1949, Serial No. 114,615
3 Claims. (Cl. 74—388)



1. A driving mechanism comprising a continuously rotated power shaft, an output shaft, a cylinder continuously rotated by said power shaft, a band enclosed by said cylinder but normally free therefrom, an operative connection from one end of said band to said output shaft, a pilot device, and an operative connection from said pilot device to the other end of said band, said pilot device being effective to expand said band to engage said cylinder by movement of said device, and said cylinder being effective to turn said output shaft until movement of said control device ceases and until said band is contracted by further turning movement of said cylinder.

2,569,587

RECORD PLAYER ASSEMBLY

Arthur Tateishi, Toronto, Ontario, Canada

Application October 14, 1946, Serial No. 703,157
3 Claims. (Cl. 312—10)



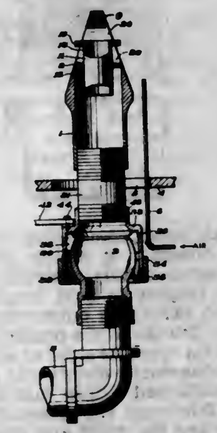
1. In a portable record player, an annular shell of approximately equal diameter to the largest record to be played, adapted to house instrumentalities for playing a record, a cupped member for supporting a plurality of records mounted on the bottom of said shell, means releasably locking said cupped member to said shell bottom and spring means urging records in said cupped member against said shell bottom to hold same resiliently against vertical movement, said releasable locking means comprising a record-holding pin mounted centrally in said cupped member and extending through the shell bottom and having an annular groove in the portion extending above the shell bottom, and a locking member pivotally mounted in the bottom of said shell and engaging the groove in said pin, said locking member being releasable from said groove to permit the removal of said cupped member and said spring means urging said records against said shell bottom tending to withdraw said pin through said bottom to maintain pressure on said locking member preventing accidental movement thereof.

2,569,588

FLUSHING NOZZLE

Edward J. Terry, Flint, Mich., and Gordon R. McCormick, Ilion, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application November 27, 1944, Serial No. 565,344
3 Claims. (Cl. 299—121)



1. In a device of the kind described which comprises a nozzle having a main tubular portion for receiving fluid under pressure from a fluid delivery pipe, a curved band disposed across and spaced from the open outer end of said tube for forming lateral ports between the band and the terminal rim of the tube, a baffle plate mounted within said band and spaced from the rim of the tube for forming upper and lower ports, said baffle plate having an opening centered in the axis of the tube, a tubular member mounted in the opening of said plate and extending into the tubular portion of the nozzle for forming a central passage between the upper ports and said main tubular portion, said tubular member being spaced from the inner wall of said main tube for forming an annular passage between its outer wall and the inner surface of said main tubular portion which communicates with the lower terminal ports of the nozzle, the outer end of said annular passage terminating at said baffle plate and with said lower terminal ports underneath said plate, said plate extending laterally for obstructing the passage of fluid from said annular passage to said upper ports.

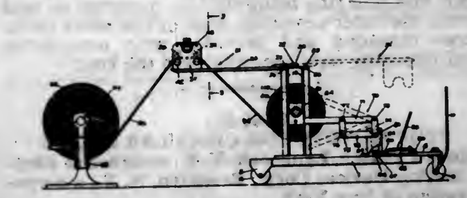
2,569,589

BELT REELER AND CUTTER

Robert F. Trissell, San Francisco, Calif.

Application February 28, 1949, Serial No. 78,756
8 Claims. (Cl. 242—58)

1. In a belt reeling device including a portable base adapted to be supported on the floor for movement thereover, and a horizontal mandrel on which the belt is to be reeled from a roll; bearings supporting said mandrel for rotation, guides supporting said bearings for vertical movement, a hoist mechanism connected with said bearings for causing said movement, and belt guides carried by said base at a level above that of said mandrel and horizontally offset to one



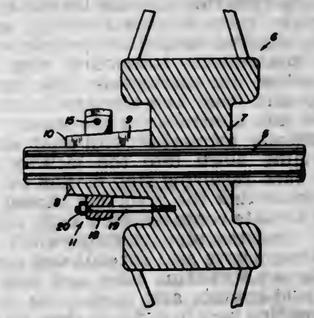
side of the latter for guiding said belt from such roll onto said mandrel when the latter is rotated, and means connected with said mandrel for rotating the same at any degree of elevation thereof.

2,569,590

EXPANSIBLE AND CONTRACTIBLE WHEEL HUB AND CLAMPING MEANS THEREFOR

Carl W. Van Schoyck, Waterloo, Iowa

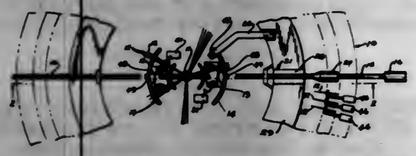
Application February 3, 1948, Serial No. 6,114
1 Claim. (Cl. 301—128)



A vehicle axle, wheel and wheel adjusting and fastening assembly comprising, in combination, a supporting and driving axle having an extending end portion which is uniform in diameter from end to end and is provided with circumferentially spaced longitudinally extending splines, a tractor wheel embodying a grooved hub slidably keyed on the splines on said axle, the outer normally accessible side of said hub having an outstanding boss, the latter being likewise grooved and slidably keyed on the splines on said axle, being longitudinaly slotted, externally tapered and forming a plurality of expansible and contractible wheel adjusting and clamping jaws, a split clamping collar surrounding and longitudinally slidable on the tapered surfaces of said jaws, said collar being in the form of a ring which is of rectangular cross-section, the inner peripheral surface of said ring being tapered to conform with the tapered surfaces of said jaws, the outer peripheral surface of said ring being provided, on opposite sides of the split with radially outstanding lugs, selectively insertable and removable shims mounted between the adjacent surfaces of said lugs, bolt and nut means, the bolt thereof piercing said lugs and shims, the inner flat surface of said ring being spaced a substantial distance from the adjacent surfaces of the hub to permit an instrument to be inserted in the space for prying and sliding the ring in a direction away from said hub, said lugs being adapted to permit an instrument to be inserted therebetween, after the bolt is removed, to allow the ring

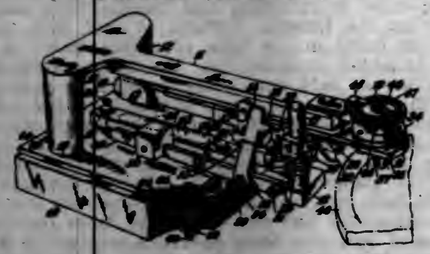
to be expanded for insertion and removal of shims and for adjustment purposes, and circumferentially spaced studs carried by and projecting from said hub, said studs being parallel to said axle, and said ring being slidably mounted on said studs, the outer accessible ends of the latter being screw-threaded and provided with assembling and retaining nuts coacting with the ring.

2,569,591
STOP MOTION FOR CIRCULAR LOOMS
Edward Vossen, Lynbrook, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application June 29, 1950, Serial No. 171,131
7 Claims. (Cl. 139—353)



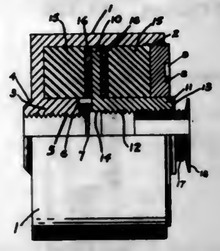
1. In a stop motion for a circular loom having a self closing stopping mechanism and furthermore having revolving arcuate thread spreading bars to make room for the revolving spools of thread, an electric controller for releasing said stopping mechanism, stationary stop motion switch devices for protecting the stationary threads of said loom and electrically connected to actuate said controller, a stationary contact arm electrically connected with said controller and extending down into the vicinity of said spreading bars, revolving stop motion switch devices for protecting the revolving thread of said loom, and arcuate contacts electrically connected with said revolving stop motion switch devices and positioned above said threads and supported on said thread spreading bars and periodically engaging said contact arm during the revolving of said spreading bars in order to close an electric circuit to said controller for stopping said loom when any one of said revolving stop motion switch devices operates.

2,569,592
APPARATUS FOR POLISHING PRECIOUS STONES
Charles West, London, England, assignor to Henry Oliver and Lewi Stone, both of London, England
Application November 1, 1948, Serial No. 57,685
In Great Britain November 4, 1947
3 Claims. (Cl. 51—229)



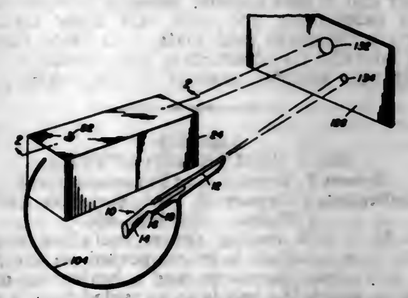
1. An apparatus for use with a flat faced polishing element for polishing precious stones which apparatus comprises a flat-faced member, adjustable securing means for holding that member on a bench whereby its face may be brought parallel with the face of the polishing element, an arm, a head at one end of the arm, a dop carried by said head, a fulcrum on said arm disposed away from the head and slidably engaging the face of said flat-faced member permitting the arm to swing in an up-and-down direction, a support rigidly fixed to said flat-faced member and having a part underlying said arm.

2,569,593
CLUTCH HEAD
Walter D. Whitney, San Francisco, Calif.
Application March 1, 1948, Serial No. 12,292
6 Claims. (Cl. 64—30)



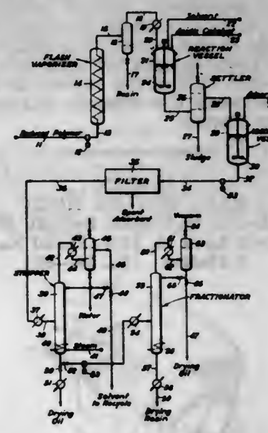
1. A clutch head comprising: an open ended cylindrical housing; a clutch plate positioned within and substantially centrally of and for rotation with respect to said housing, said plate having a hub extending outwardly of said housing; a pair of friction discs positioned within said housing and on opposite sides of said plate and in frictional engagement therewith; a pair of pressure pads positioned within said housing, one of which is in frictional engagement with said one of said discs and the walls and closed end of said housing, and the other of which is in frictional engagement with the other of said discs and the walls of said housing, whereby rotation of said housing will cause rotation of said plate when the torque applied to said hub is below a predetermined value; one of the end walls of said housing comprising an adjustable closure plate provided with a centrally positioned hole through which said hub rotatably extends, said closure plate being in frictional engagement with said other pad for forcing said pads against the end of said housing opposite said closure plate and said discs against said plate.

2,569,594
FAULT DETECTOR FOR SHOTGUN USERS
Louis Earl Aagesen, Joliet, Ill.
Application November 25, 1947, Serial No. 788,037
5 Claims. (Cl. 273—101.1)



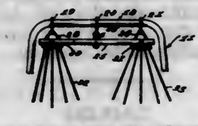
1. A faulty aim detector for marksmen comprising a screen projector means to project a moving target onto a screen and adapted for use with lamp means removably securable to a firearm and operable when the trigger of this firearm is pressed to project a beam of light in the direction of aim of the firearm, said projector means comprising a tube, a lamp within said tube, means to mount the tube including a rotatably mounted post on which said tube is pivoted, arms rigidly secured to said post, a motor, a shaft rotated by said motor, cams carried by said shaft to oscillate said arms and post, and an intermittently rotating cam operated by said shaft and in engagement with a portion of said tube to shift said tube in a plane substantially normal to the plane in which it is oscillatable.

2,569,595
PREPARATION OF DRYING OILS FROM CLAY POLYMERS
Leon M. Adams, Texas City, Preston L. Brandt, Galveston, Robert J. Lee, La Marque, and Francis T. Wadsworth, Dickinson, Tex., assignors to Pan-American Refining Corporation, Texas City, Tex., a corporation of Delaware
Application November 8, 1947, Serial No. 784,814
1 Claim. (Cl. 196—78)



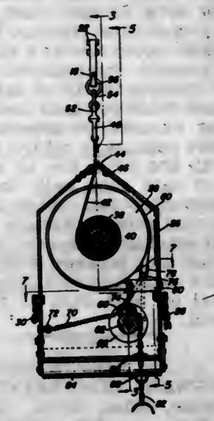
A process for preparing a drying oil of superior quality from clay polymer, which comprises distilling crude clay polymer and separating therefrom a reduced clay polymer having a viscosity between about 200 and 1000 SSU at 210° F., fractionally distilling said clay polymer at an absolute pressure between about 5 and 10 mm. Hg and separating therefrom a drying oil as a distillate fraction and a drying resin as a bottoms fraction having a softening point between about 150 and 300° F. (ring and ball test), dissolving said drying-oil distillate fraction in a petroleum naphtha in a distillate-to-naphtha ratio between about 0.25:1 and 4:1, contacting the resulting solution with between about 5 and 15 percent by weight, based on said drying-oil distillate fraction, of sulfuric acid having a concentration between about 90 and 100 percent for a period between about 0.5 and 10 minutes at a temperature between about 30 and 200° F., thereby polymerizing color bodies originally present in said drying-oil distillate fraction while reducing the iodine number of said fraction between about 5 and 20 percent, withdrawing an acid sludge containing the resulting polymerized color bodies, contacting the treated solution with an active clay, separating said petroleum naphtha from the resulting clay-treated solution, and recovering a drying oil having an ASTM color below about 5 therefrom.

2,569,596
HOLDER FOR SELECTIVELY SUSPENDING A HAMMOCK
Edward W. Anderegg, West De Pere, Wis.
Application September 15, 1950, Serial No. 185,129
4 Claims. (Cl. 5—127)



3. A holder for suspendingly supporting the head end of a hammock from the head-supporting bar of a hammock stand comprising a supporting rod adapted to be arranged in spaced parallel relation with respect to said head-supporting bar, at least two spaced bails arranged transversely of and intermediate the ends of said rod and each mounted on the latter for back-and-forth movement transversely of said rod, means carried by said rod and engaging each of said bails for limiting the back-and-forth movement thereof, and flexible suspension means supported on the end of each of said bails remote from said head-supporting bar and adapted to be secured to said head end of said hammock, the end of each of said bails contiguous to said head-supporting bar being adapted to be attached to an adjacent hook carried by the latter to thereby provide a two-point support for the head end of said hammock.

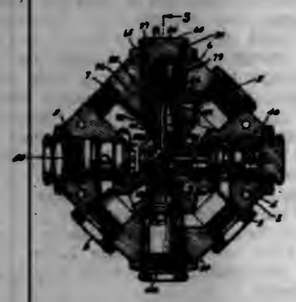
2,569,597
FIRE ESCAPE DEVICE
Joseph W. Bailey, Sr., Murphy, N. C.
Application September 10, 1947, Serial No. 773,155
2 Claims. (Cl. 254—154)



1. In a safety device adapted to be lowered with an individual and selectively anchored while an individual is being lowered therefrom, a housing having a shaft mounted for rotation therein, a drum fixed to said shaft and an elongated flexible member extending from said drum, a support for an individual, and means fixed to said member for selectively anchoring said housing and retaining said support, a brake element fixed to said shaft, a brake band engaging said brake

element, an eccentric mounted in said housing for rotation, a link connecting said eccentric with one end of said brake band, the other end of said band being anchored to said housing, means extending from said housing for rotating said eccentric and operative selectively while said housing is being lowered to control the rate of descent of said housing by the individual being lowered and by another individual when said housing is anchored, a spring reacting on said housing and said eccentric constantly urging said band against said brake element, and means fixed to said housing for selectively retaining said support and anchoring said housing.

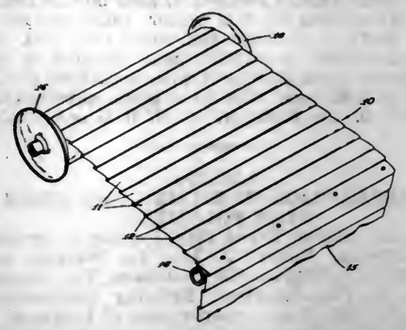
2,569,598
FOUR-WAY VALVE
J. D. Buchanan, Burbank, Calif.
Application March 25, 1946, Serial No. 656,848
3 Claims. (Cl. 277—20)



1. A four way valve comprising a casing having a radial array of four reciprocating valves with supply, return, and fluid motor connections controlled thereby, said valves each having an operating push rod each operable to open its valve and said four push rods radiating from a common center, said casing having a central cam well having a wall, a high pressure seal in said wall around each of said push rods, a cam in said well in operative relation to said rods for operating said valves two at a time, a high pressure inlet passage communicating with two of said valves independently of said cam well, the high pressure seals for said last mentioned two valves being exposed to pressure in said high pressure inlet passage, a return passage communicating with the other two of said valves independently of said cam well, the high pressure seals for said other two valves being exposed to pressure in said return passage, a bleed passage in said wall leading from said cam well to said return for bleeding leakage flowing through said high pressure seals into said cam well, and a low pressure seal on said cam at opposite ends of said cam well.

2,569,599
AWNING CONSTRUCTION
Ralph M. Cole, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application October 7, 1948, Serial No. 53,367
1 Claim. (Cl. 160—133)

In an articulated metal awning, in combination, an awning curtain comprising a multiplicity of long slender sheet metal slats each having rolled edges extending continuously along the opposite sides thereof, with said rolled edges of the adjoining slats being interengaged in sliding relationship whereby the individual slats are pivoted to each other along their entire length and are susceptible of relative longitudinal displacement; an awning roller coextensive with the slats and having a pair of similar and oppositely disposed flanges at the opposite ends of said roller, the flanges including flat parallel central portions closely engaging the opposite ends of the awning slats extending between them and preventing rel-



ative longitudinal shifting thereof, each of said flanges having a continuous cam surface comprising an outwardly curved peripheral edge adapted to directly engage the ends of any misaligned slats as the curtain is rolled on the roller and to shift said misaligned slats into alignment with the other slats of the curtain as the curtain is drawn between the opposite parallel portions of the roller flanges.

2,569,600
HAIR-DRYING HOOD
Catherine M. Dugan, Detroit, Mich.
Application April 15, 1950, Serial No. 156,220
4 Claims. (Cl. 34—99)

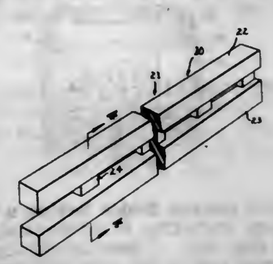


1. A collapsible hood of the kind described, said hood including an upper portion made of a pliable air-tight material and a lower portion open at the bottom and adapted to fit about the head of a person, the lower portion being made of an air-transmitting material, a substantially vertical tube within the top of the upper portion of the hood for connection to a hose leading to a source of heated air, and a diffuser within said upper portion of the hood, said diffuser comprising a broad-bottomed sack affixed over the lower end of the tube, the diffuser being made of air-transmitting fabric but including a bottom made of an air-tight material.

2,569,601
EXPANDER RING FOR COMBUSTION ENGINES
Alto J. Davis, Montgomery, Ala.
Application September 19, 1950, Serial No. 185,528
1 Claim. (Cl. 309—43)

An expander ring for support in the ring groove of a piston intermediate the bottom face of said

groove and a piston ring comprising an elongated body fabricated of resilient material and including a pair of bars having rectangular cross-sections disposed in superimposed spaced relation with respect to each other, and means disposed intermediate said bars at spaced intervals therealong for securing said bars together and forming therebetween a plurality of longitudi-



nally spaced grooves for the passage therethrough of oil, said means comprising connecting links having rectangular cross-sections and each having its ends secured to said bars, and each of said connecting links having one side face arranged in coplanar relation with respect to one side face of said bars and having the other side face thereof terminating adjacent to and spaced from the opposite side face of said bars.

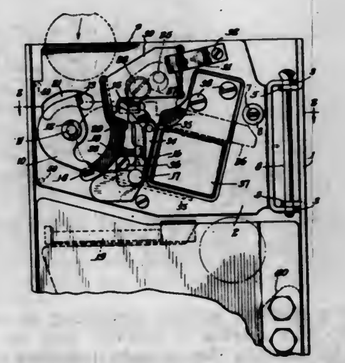
2,569,602
MEANS FOR LOCKING A PIVOTED WRENCH JAW IN SLIDABLY ADJUSTED POSITION
Austin G. Goodnight, Hanford, Calif.
Application January 28, 1948, Serial No. 4,849
8 Claims. (Cl. 81—92)



1. A wrench comprising a pair of slidably associated jaw members, a pair of spaced sprockets rotatably mounted by one of said members, an endless chain mounted on the sprockets defining parallel runs of the chain, a pair of idler sprockets rotatably mounted in the other jaw member individually in meshing engagement with opposite runs of the chain, and means borne by said other jaw member engageable with the idler sprockets to secure the same against rotation.

2,569,603
COIN SELECTOR
John Gottfried, St. Louis, Mo.
Application August 29, 1945, Serial No. 613,202
4 Claims. (Cl. 194—97)

1. In a coin selecting apparatus of the character described, including a coin receiving pathway, a coin acceptance pathway and a coin rejection pathway; the combination of a pivotally mounted cradle having a pair of spaced projections normally extending into the coin receiving pathway and spaced apart to by-pass therebetween a coin having a diameter less than a coin of acceptable diameter and to engage a coin of acceptable diameter between said projections to divert said coin into the acceptance pathway, one of said projections being downwardly shiftable and adjacent the acceptance pathway; and a third projection independently mounted with respect to said cradle and normally projecting into both the coin receiving pathway and the coin acceptance pathway at a point adjacent to but above said downwardly shiftable projection of the pivoted cradle, whereby a coin moving along the coin receiving pathway will impinge said third projection prior to engaging the projections of the cradle, whereby the coin will be deflected and



excessive velocity of the coin checked as it enters the cradle and will again impinge said third projection as it enters the acceptance pathway and as it tilts said cradle about its pivot due to its weight; said third projection being carried on the end of a weighted arm adapted for limited lateral movement with respect to the coin receiving pathway and said third projection being located in the path of movement of the coin during tilting of the cradle; together with a surface feeling finger normally in the coin acceptance pathway, and means responsive to the movement of the third projection to lift the surface feeling finger momentarily as the pivoted cradle places the coin in the acceptance pathway.

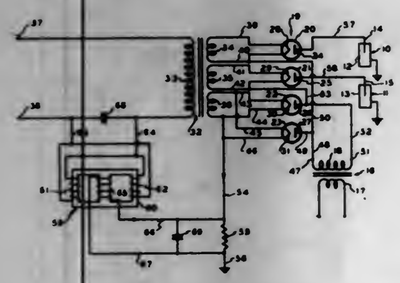
2,569,604
CATAPULTING MECHANISM FOR FISH BAIT
Charles G. Hall, Los Angeles, Calif., assignor of one-half to Louis V. Dieter, Los Angeles, Calif.
Application May 24, 1948, Serial No. 28,956
1 Claim. (Cl. 43—19)



In combination with a fish pole, hook, line, sinker, bait and reel, a catapulting mechanism including a container open at its forward end and slidably supported on said fish pole, an elastic member anchored to the pole at one end and having its other end attached to said container, a latch means to hold said container rearwardly when pulled back to put said elastic member under tension, means for tripping said latch means to release said container to be thrust forwardly

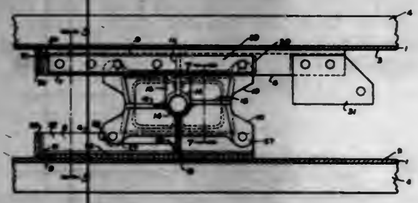
by said elastic member to catapult said fish hook, sinker and bait forwardly out of said container, a bumper to form a stop for said container as it is thrust forwardly, and means connecting the line with said container to move therewith to start the reel turning to pay out said line as said hook, sinker and bait are cast forwardly out of said container.

2,569,605
RECTIFIER SYSTEM CONTROL
Herbert J. Hall, Princeton, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 19, 1950, Serial No. 139,519
11 Claims. (Cl. 315—107)



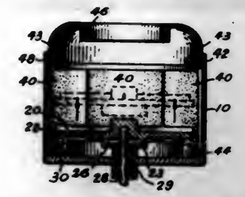
1. In a rectifier system including an electron rectifier tube having a cathode and an anode, means for heating the cathode including a transformer having a secondary winding connected to supply heating current to the cathode and a primary winding, control means comprising a saturable reactor, circuit elements positioned to subject the core of said reactor to variations in the rectifier output current, and circuit elements connecting said reactor with said transformer circuit to regulate the voltage applied to said primary winding of said transformer in response to variations in the rectifier output current.

2,569,606
CENTER SILL FILLER ASSEMBLY
Cyrus Hankins and Orville Ingram, Washington, D. C.
Application November 5, 1946, Serial No. 707,832
7 Claims. (Cl. 213—57)



1. A filler block assembly for insertion between the center sills of a railway car involving a pair of rolled members, a casting rigid with each of said members, each of said castings including a web and a top flange welded to the member with which the casting is rigid, said castings also having curved portions, and means securing said castings together so that the said curved portions mutually cooperate to form a king pin receiving opening, said members being respectively adapted to be secured to said center sills.

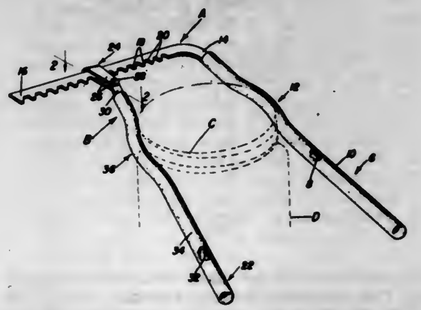
2,569,607
VEGETABLE PARING MACHINE
John Hardt, Lachine, Quebec, Canada
Application March 29, 1949, Serial No. 84,165
In Canada April 1, 1948
2 Claims. (Cl. 146—50)



1. A potato peeling device having a potato receiving drum including a substantially vertical cylindrical side wall, a floor integrally connected at its lower end to the side wall permanently closing the bottom of the drum and forming a corner with the side wall, the side wall terminating at its upper end in a substantially horizontal annular rim defining an open mouth, and a removable cover adapted at least partially to close said mouth, and means for agitating the potatoes in the drum including an impeller close to said floor removably connected to a drive shaft, the floor including a bearing opening receiving said shaft, said shaft extending downwardly through said opening, and means below the floor for driving the shaft, a bottom circular continuous and unbroken essentially rigid connection-free retaining ring fitting snugly but freely in the drum in the corner between the floor and side wall, said ring having a bottom bearing face resting on said floor and an outer peripheral bearing face resting in contact with the side wall, said ring having an upper bevelled face extending downwardly and outwardly, to form between it and the side wall an annular wedge-shaped groove, a plurality of separate arcuate segments each having a vertical edge juxtaposed to but unkeyed to that of an adjacent segment making up a cylindrical lining for said side wall and fitting close to each other and each having its inner surface in direct contact with the side wall, each of said segments having a lower bevelled edge giving the segment a tapered lower end engaging in said groove and being held against the wall by the bevelled edge of said lower ring, each of said segments also having a bevelled upper edge giving the segment a tapered upper end, an upper circular continuous and essentially rigid unbroken connection-free retaining ring of a size to fit snugly within said drum and having an outer peripheral bearing face in contact with said side wall, said upper ring being unconnected to the drum and having an upwardly and outwardly extending bevelled lower face adapted to bear against the bevelled upper edge of the segments and to form with the side wall a receiving groove for the tapered upper ends of the segments, said upper ring having an upper face engaged by said cover, the dimensions of the rings and segments in relationship to the side wall being such that the upper ring is spaced from the rim of the side wall thus leaving an upper portion of the side wall uncovered by the lining or rings, said cover having an annular skirt extending downwardly within said drum, said skirt having a bearing face fitting against the side wall, the skirt having a lower peripheral rim adapted to bear on the upper face of said upper ring whereby the weight of the cover

resists any upward movement of the ring, the segments thus being held in place solely by the wedging action of the upper and lower rings with the weight of the cover bearing on the upper ring to retain it from upward movement, and the inner side of the drum wall being cylindrical and unobstructed whereby the upper ring and the segments are freely removable upwardly through the drum mouth upon removal of the cover.

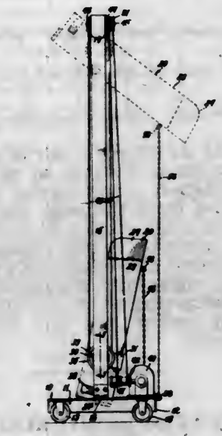
2,569,608
CLOSURE WRENCH HAVING PIVOTED ARM, SLIDABLY ADJUSTABLE
Frank M. Hooker, Redmond, Oreg.
Application February 3, 1950, Serial No. 142,318
1 Claim. (Cl. 81—3.44)



A jar cap wrench of the class shown and described comprising a linearly straight rack bar having rack teeth along one longitudinal edge and provided at one end with a right angularly disposed rigidly attached handle, a U-shaped yoke having its arm portions straddling the rack bar and projecting beyond the rack teeth, a second handle having an end portion pivotally mounted between the arms of said yoke, said pivotally mounted end portion being provided with a detent shaped and sized to engage rockably in the notches between said teeth, said detent being provided on one side with a tooth accommodating and clearance notch to assist one in angling the detent and shifting the yoke to a desired position in respect to said rack bar.

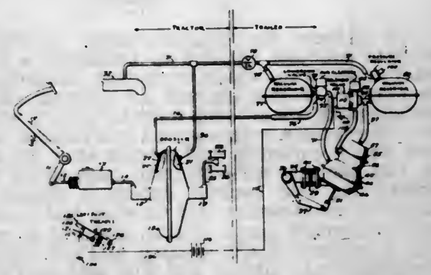
2,569,609
APPARATUS FOR ELEVATING AND DUMPING THE CONTENTS OF CONTAINERS
Howard C. House and Frederick F. House, Buffalo, N. Y., assignors to Jacob House & Sons, Buffalo, N. Y., a partnership
Application September 30, 1948, Serial No. 51,902
5 Claims. (Cl. 214—1.1)

1. Apparatus for elevating and dumping the contents of containers, which comprises a supporting structure having generally parallel and vertical spaced guide members, a traveler guided for vertical movement along each of said guide members, a carrier for said containers interposed between said guide members and having a rear wall and a rim projecting forwardly from the bottom and sides of said rear wall to provide bottom and side walls, means pivotally connecting the side walls of said carrier with said travelers to swing about a generally horizontal axis, means for moving said travelers up and down said guide members, means restraining the movement of the upper part of said carrier on approaching the upper limit of movement of said travelers to swing said carrier about said axis and partly invert said container to dump the contents thereof, and means arranged to retain said container on said carrier while dumping said contents, comprising inwardly converging por-



tions provided at the upper ends of said side walls and arranged to engage said container and a series of transverse cleats secured to the forward face of said rear wall and engageable with said container.

2,569,610
TRACTOR-TRAILER BRAKE SYSTEM
Jeannot G. Ingres, Richmond, Va., assignor to Kelsey Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 15, 1948, Serial No. 2,511
17 Claims. (Cl. 188—3)



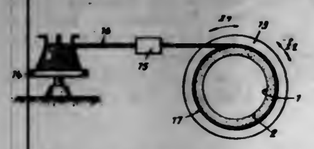
1. A vehicle braking mechanism comprising a fluid pressure operated motor having mechanical connections for operating the brakes, said motor having a variable pressure chamber normally connected to the atmosphere and a pressure responsive member operable upon a drop in pressure in said chamber for operating the brakes, a vacuum reservoir, valve mechanism controlling connection of said chamber to said reservoir, an auxiliary motor for operating the brake, said first-named motor having a relief valve and said auxiliary motor having mechanical connection with said pressure responsive member and operable when actuated for moving said pressure responsive member for discharging air from said chamber through said relief valve, a second vacuum reservoir, and valve mechanism controlling connection of said auxiliary motor to said second reservoir.

2,569,611
SECTIONAL BOAT
Joe H. Jenkins, Henning, Tenn.
Application July 8, 1947, Serial No. 759,529
18 Claims. (Cl. 9—2)



1. In a boat structure, a pair of separable sections having edges adapted to be brought into contacting relation, a bolt carried by one section and projecting from the edge thereof, a socket carried by the other section to receive said bolt, a manually operable crank element carried by said other section and engageable with said bolt to move said edges into engagement with each other, and means carried by said other section for engaging said bolt to lock said sections in edge to edge relation.

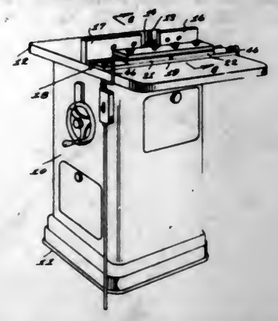
2,569,612
MANUFACTURE OF REINFORCED CONCRETE PIPES
André Laurent, Paris, France, assignor to Societe Anonyme des Hauts-Fourneaux & Fonderies de Pont-a-Mousson, Brive, Corrèse, France
Application October 27, 1945, Serial No. 624,986
In France August 14, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 14, 1961
3 Claims. (Cl. 29—148.2)



1. A process for manufacturing reinforced concrete conduits adapted to withstand a high internal pressure, which comprises: applying to the surface of said conduit an external radial predeforming compression force by spirally winding under tension a wire around said conduit, said force being applied to said conduit after the latter has become self-sustaining and while the concrete in said conduit retains a degree of plasticity; maintaining said force on said surface for a controlled length of time required to produce a permanent deformation and contraction throughout said conduit and until said degree of plasticity has been substantially reduced; at the end of said length of time removing said wire to remove said force; and thereafter winding around said permanently deformed and contracted conduit a flexible reinforcing member under a predetermined permanent tension.

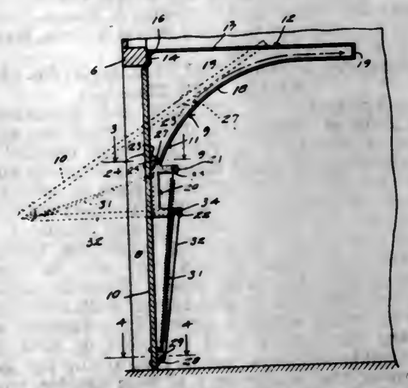
2,569,613
WORK-HOLDER FOR SHAPERS
Henry Lehr, Flint, Mich.
Application April 28, 1950, Serial No. 158,758
1 Claim. (Cl. 144—253)

A work holder mountable on a shaper table for holding elongated work pieces against a shaper cutter comprising an elongated member of rectangular cross sectional shape having a longitudinally extending groove of triangular cross sectional shape adjacent one longitudinal edge thereof, two members of rectangular cross sectional shape superimposed in end to end relationship on the grooved side of said elongated member and each having a longitudinally extending groove of triangular cross sectional shape adjacent one edge thereof, bolts projecting from said elongated member at spaced apart locations therealong and said two members having apertures therein respectively receiving said bolts, the grooves in said two members being in registry with the groove in said elongated member and said grooves together providing a bore of rectangular cross sectional shape extending longitudinally through the work holder to slidably receive an elongated work piece of corresponding



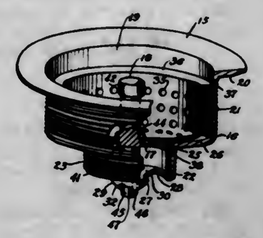
cross sectional shape, said elongated member and said two members having recesses therein at the adjoining ends of said two members to provide in the work holder a cutter receiving notch opening into said bore, a plate disposed at the sides of said two members remote from said elongated member and having apertures therein respectively receiving said bolts, compression springs respectively surrounding said bolts between said plate and said two members, and nuts threaded onto said bolts at the side of said plate remote from said two members and compressing said springs to render the latter effective to resiliently and adjustably urge said two members individually toward said elongated member.

2,569,614
OVERHEAD COUNTERBALANCED DOOR
Oscar Lewis and Harold G. Kabisch, Woodburn, Oreg., assignors to Perry Williams and Lewis Paulson, both of Woodburn, Oreg.
Application November 6, 1946, Serial No. 708,050
3 Claims. (Cl. 20—19)



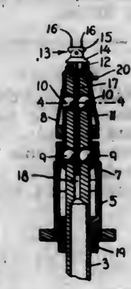
1. In combination with a wall having a large entrance and exit opening, a pair of rail members secured to an inner side of said wall adjacent the side edges of the opening and extending upwardly and inwardly relatively thereto, each rail member having a substantially straight horizontally disposed inner end and an arcuate opposite end extending downwardly from the inner end toward said wall and forming a curved continuation of said inner end, said arcuate end having a lower portion disposed a substantial distance beneath the top of the wall opening, a closure disposed in said opening when in a closed position, journal members projecting from an inner side of said closure and extending beyond the side edges thereof and spaced a substantial distance from the upper edge of the closure, rollers journaled on said journal members and spaced outwardly from the side edges of the closure and engaging said rail members, a supporting arm secured to and extending inwardly from the wall on each side of the opening, said supporting arms being disposed beneath the rail members, a pair of connecting rods having complementary ends pivotally connected to the inner side of the closure adjacent its bottom edge, the opposite ends of the connecting rods being pivotally connected to the supporting arms and spaced a substantial distance from the plane of the wall, said rail members, rollers and connecting rods cooperating to slidably and swingably support the closure in its movement relatively to the wall between an upright closed position and a substantially horizontal overhead open position, a second pair of supporting arms extending inwardly from said wall below the rail members and above the first mentioned supporting arms, a pair of contractile coiled springs each having an end anchored to one of the last mentioned supporting arms, the opposite ends of the coiled springs being connected to the closure on its inner side and adjacent its bottom edge and constituting the sole counterbalancing means of the closure in its movement to and from opened and closed positions, the axes of the coiled springs being disposed adjacent and on one side of the axes of the connecting rods, said springs remaining out of axial alignment when the closure is in either a fully opened or fully closed position whereby the springs yieldably retain the closure in a fully closed position and cooperate with the connecting rods to retain the closure in a fully opened position.

2,569,615
DRAIN FITTING
Forest L. W. Link, Silverton, Ohio, assignor to The Schaible Company, Cincinnati, Ohio, a corporation of Ohio
Application November 21, 1946, Serial No. 711,401
2 Claims. (Cl. 4—287)



1. In a sink strainer, the combination of a unitary cup-shaped shell comprising a peripheral flange for supporting the fitting, a side wall, and a partly open bottom including a central portion having a spherical curvature concaved upwardly, the spherically curved portion having a central aperture having at least one flat side, an annular valve seat on an intermediate surface of the shell, a cup-shaped strainer basket mounted for vertical movement and being rotatable inside the shell, a stem extending from the bottom of the basket coaxially therewith and secured thereto, said stem having its lower end adapted to slide through said central aperture, said lower end having at least one flat side adapted to engage the flat side of the aperture of the shell when the lower end of the stem is in the aperture, the end surface of the lower end of the stem being curved to correspond to the spherically curved surface of the bottom of the shell, the spherically curved tip of the stem being adapted to rest in the spherically curved portion of the shell to support the basket in an elevated position, a valve disc attached to the lower side of the basket and adapted to engage the valve seat when the basket and the stem are in lowered position, the valve disc and seat being disengaged when the basket and stem are in elevated position, the stem and basket being rotatable in the shell when in elevated position to bring the flat surfaces of the shell and the stem into alignment to permit the basket and stem to fall to bring the valve disc and valve seat into engagement.

2,569,616
CHUCK
Oliver Mann, Danvers, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application July 20, 1949, Serial No. 105,796
3 Claims. (Cl. 279—75)



3. In an article-holding apparatus, the combination of a spindle having apertures in the side wall thereof and an elongated article-receiving opening therein extending from an end thereof; a plurality of balls seated in the apertures in said spindle; and a pair of independent slides concentric with said spindle and enclosing said balls, the internal faces of said slides being substantially frustro-conical in contour, said slides being moveable vertically on said spindle.

2,569,617
RESILIENT CAR WHEEL
George B. Parsons, Roosevelt, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application March 7, 1947, Serial No. 733,113
6 Claims. (Cl. 295—11)

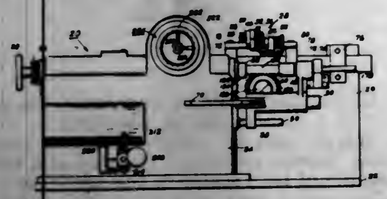
1. A car wheel comprising, a hub member, a pan shaped plate having a central opening therein through which a portion of the hub member

projects and to which said plate is attached, a tire portion having an inwardly extending web axially spaced with respect to said plate, a ring member attached to said plate in overlapping relationship to the inner edge of said web, a disk like felly member removably secured to the outer edge of said ring member in spaced relationship to the opposite side of said web from said plate, and



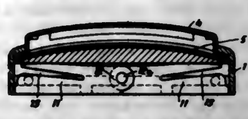
annular disks of metal bonded to resilient material and forming annular units positioned in said spaces between said plate and web and between said felly member and web, said annular units resiliently transmitting loads from said hub member to said tire portion, and certain of said metal disks being formed with radially projecting lugs adapted to engage the inner edge of said web to transmit rotative forces.

2,569,618
WINDING MACHINE
Morris Rose, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1947, Serial No. 736,952
9 Claims. (Cl. 242—9)



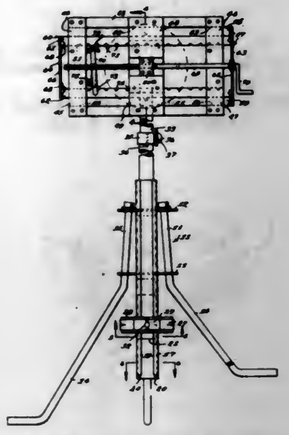
1. A winding machine comprising a rotating spindle for driving a coil form, wire guide means moving reciprocally of the axis of rotation of said coil form, a rack bar adapted to move reciprocally upon rotation of said spindle, a second rack bar supporting the wire guide means, a support for said second rack bar, a shaft journaled in said support, a cluster gear mounted on said shaft and connecting the rack bars for changing the amount of amplitude of movement of the wire guide means with respect to said first rack bar, and an adjustable bearing for said second rack bar mounted on said support, whereby the second rack bar may be raised or lowered according to the diameter of the cluster gear.

2,569,619
WATCHCASE WITH LOCKING MEANS
John Simon, Tramelan, Switzerland
Application March 16, 1949, Serial No. 81,743
In Switzerland March 17, 1948
5 Claims. (Cl. 58—90)



1. A leak-proof watch case comprising in combination: an upper window-shaped frame; a lower closure frame having a bottom plane; said upper and lower frames being adapted and constructed to fit within each other; a free space between apposite lateral walls of said upper and lower frames on at least one side of said case, said space being open to said bottom plane; a flanged portion disposed substantially at the top edge of the lateral wall of a first one of said frames and directed toward the apposite lateral wall of the other frame and forming the upper wall of said free space; an abutment substantially at the top of said apposite wall of said other frame and directed toward the plane of the apposite lateral wall of said first frame and cooperating with said flanged portion; in said apposite wall of said other frame, a rectilinear groove substantially parallel to said flanged portion and two secondary grooves between said rectilinear groove and said bottom plane; a clamping device adapted to fit in said free space, said clamping device comprising two substantially rigid arms hinged together at one of their ends about a swivel-joint and having at their other end a slit adapted to give resiliency to said arms and a projecting pin; whereby said upper and lower frames are made fast together by inserting said pins in said secondary grooves and pushing on said swivel-joint until said clamping member has assumed a rectilinear clamping position in said rectilinear groove and in said free space, and presses against said flanged portion.

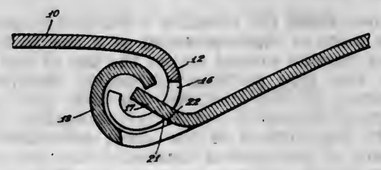
2,569,620
REVOLVING SASH AND DOOR HOLDER
Hugo Steckling, Wausau, Wis.
Application July 29, 1949, Serial No. 107,531
1 Claim. (Cl. 144—288)



An adjustable support device of the character described comprising a base, a vertical post

member secured to said base, a vertical guide member secured to said base, a support element slidably mounted in said vertical guide member, means releasably locking said support element in said vertical guide member, a plate member rotatably secured to the upper portion of said post member, parallel inwardly-facing guide track elements carried by said plate member, a pair of opposing clamping frames slidably positioned in said guide track elements for longitudinal movement therealong, respective upstanding opposing jaw elements carried by the ends of said clamping frames, and means for adjustably securing said clamping frames with respect to the plate member, said last-named means comprising longitudinally-spaced notched portions formed in the arms of one of the clamping frames, respective dogs pivoted to the plate member and engageable in said notched portions, means for releasably locking the dogs in notch-engaging positions, a longitudinal shaft secured rotatably in the end of the other clamping frame and extending parallel to the guide track elements, a nut secured to the plate member threadedly receiving said shaft, and a crank handle carried by said shaft.

2,569,621
AWNING CONSTRUCTION
Henry W. Toney, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 12, 1948, Serial No. 43,869
3 Claims. (Cl. 160—235)



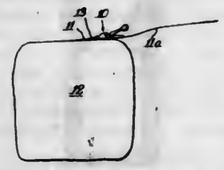
1. In a flexible awning, a plurality of articulated metal slats in parallel relation, with the lower edge of each slat overhanging the upper edge of the slat below it, and interlocking hinge means on the opposite edges of said slats; said hinge means consisting of a downwardly and rearwardly curved inside coil on the lower edge of each slat extending into and substantially enclosed by an upwardly and forwardly curved outside coil on the upper edge of the adjoining slat; the exposed upper surface of each slat being imperforate to the extreme lower edge of the slat but having a concealed notch on the inside coil of the interlocking hinge, and the outside coil of the hinge having a continuous edge enclosing said inside coil and having a projection spaced from the edge of the coil but extending into the concealed notch to prevent relative longitudinal movement of the slats.

2,569,622
ADJUSTABLE SUPPORT FOR MIRRORS
Robert C. Trainor, Pittsburgh, Pa.
Application February 24, 1950, Serial No. 146,028
1 Claim. (Cl. 248—295)

A device of the character described comprising a vertically extending rack, an inset portion formed longitudinally in said rack and having a longitudinal slot formed therein and having a plurality of pairs of spaced relatively short laterally extending slots communicating with the longitudinal slot, means for affixing said rack to a wall, a support, and means for adjustably positioning said support in said rack, said means including a clamp member affixed to said support and vertically slidable in the longitudinal slot, teeth carried by said support and selectively engageable in said pairs of lateral slots, finger pieces carried by said clamping member for moving said teeth out of engagement with said lateral slots, a rectangular plate carried by said support and slidably contacting the sides of said inset portion, and attached to one of said finger pieces, and a backing plate attached to the other of said finger pieces and adapted to bear against that side of the rack opposite to the rectangular plate.



2,569,623
STRAP STRETCHING DEVICE
James N. Wognum, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1948, Serial No. 6,261
20 Claims. (Cl. 254—51)



1. In a strap stretching device, a bar having a guide channel adapted to receive and laterally confine a strap, means for gripping said strap in said channel, and means for operating said gripping means to move the strap in said channel.

2,569,624
DOUBLE DOOR OPERATING MECHANISM
Stanley M. Wychowaniec and Alex Lasis, Superior, Wis.
Application February 7, 1947, Serial No. 727,200
2 Claims. (Cl. 268—62)



1. In double door operating mechanism, a bracket adapted to be secured to one of the doors comprising a pair of longitudinally spaced bearing blocks adapted to be fixed on the door, a threaded rotary shaft extending between and having end portions journalled in said bearing blocks, means acting between said shaft and said bearing blocks to preclude endwise movement of said shaft relative to the bearing blocks, an internally threaded sleeve threaded on said shaft, said sleeve being shorter than the distance between said bearing blocks and arranged to travel endwise between the bearing blocks as the shaft is turned in opposite directions, means for rotating said shaft in opposite directions, and a member fixed to said sleeve and extending longitudinally along said sleeve, said member being shorter than the distance between said bearing blocks, a portion of the member being arranged

to bear against a portion of the door whereby rotation of the member and the sleeve relative to said threaded shaft is precluded, and a tie rod having one end thereof pivoted to said member and having another end adapted to be pivoted to the other door, said tie rod being otherwise unconnected to the double doors.

2,569,625

METHOD AND APPARATUS FOR DETERMINING THE STREAMING-POTENTIAL CHARACTERISTICS OF DRILLING MUD

Malcolm R. J. Wyllie, Indiana Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application March 30, 1950, Serial No. 152,901
4 Claims. (Cl. 175—182)



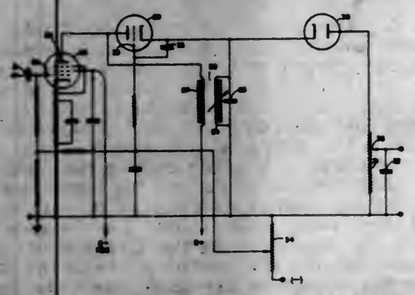
1. A method of determining the streaming-potential characteristics of mud fluid in a borehole which comprises filtering the fluid at various levels in the borehole through its own filter cake under a pressure differential which is in proportion to the depth in the fluid, and measuring the resulting streaming potential and the depth in the fluid.

2,569,626

STABILIZATION NETWORK

Charles E. Young, United States Navy

Application October 11, 1945, Serial No. 621,654
7 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



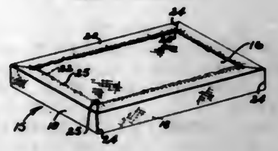
1. An amplitude stabilization system comprising the combination of a radio receiver circuit having a non uniform radio-frequency response curve over the band of frequencies to be received, a signal transmission path coupled to the output of said receiver circuit for relaying the signals therefrom, the transfer efficiency of said path being inversely proportional to the magnitude of a control voltage fed thereto, a resonant circuit fixedly tuned to a first frequency, an electron discharge device varying the selectivity of said resonant circuit, a source of variable frequency voltage coupled to the input of said resonant circuit, means coupled to said voltage source for periodically varying said voltage source above and below said first frequency, and means coupled between the output of said resonant circuit and said transmission path for developing a control voltage whose magnitude is proportional to the amplitude of the alternating voltage variations developed in said resonant circuit by said source of variable frequency voltage and for coupling the control voltage to said path to control the transfer efficiency thereof.

2,569,627

BED SHEET

Morris B. Black, Brooklyn, N. Y.

Application March 21, 1946, Serial No. 656,010
1 Claim. (Cl. 5—334)



A bed sheet for covering a mattress, comprising a piece of cloth material of a size to have a center portion extend across the top of the mattress and side portions projecting beyond the periphery of the mattress, the side portions of the piece of cloth material having square cutouts cut in the corners of the sheet with the inner corners of the cutouts located at the corners of the mattress, stitches securing together the adjacent ends of the side portions of said piece of cloth material with said side portions extended at right angles to each other and at right angles to said center portion so that said side portions can be extended downward along the sides and ends of the mattress and then inward partially along the bottom face of the mattress with the line of stitches extended downward at the corners of the mattress and radially inward at the bottom of the mattress, said side portions having their free edges folded inward forming guideways, a continuous elastic band extended through said guideways for drawing said side portions tight about the sides and ends of the mattress, and L-shaped reinforcing pieces secured to one face of said piece of cloth material at the edge portions thereof defining said square cutouts.

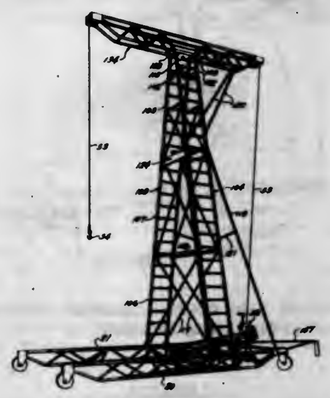
2,569,628

DEMOUNTABLE CRANE

Philip B. Craighead, Milwaukee, and George H. Nelson, Wauwatosa, Wis., assignors to Safway Steel Products, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application March 10, 1945, Serial No. 582,062
2 Claims. (Cl. 189—16)

1. In a demountable crane, a base, a pair of interconnected converging mast legs mounted on said base, each of said legs including a plurality of coupled truss members each having parallel longitudinally extending sides and transversely extending connecting members, a pair of spaced generally parallel angle members connecting said mast legs at the upper ends of said legs, said angle members including vertical and horizontal flanges defining a generally U-shaped boom seat having its longitudinal axis generally parallel to said flanges, at least one end of the vertical flange of each of said angle members being extended



beyond corresponding longitudinal side members of said truss members, said extended angle flanges being adjacent, and a boom pivotally connected to said extended flanges, said boom being adapted for pivotal movement from a substantially vertical position into said seat, and releasable means securing said boom in said seat to prevent pivotal movement of the boom.

2,569,629

COIN-HOLDING DEVICE

Orphius F. Everitt, Elyria, Ohio

Application May 14, 1949, Serial No. 93,242
1 Claim. (Cl. 133—6)



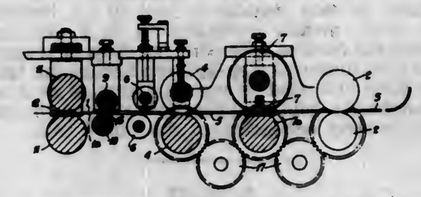
A reloadable coin holder which readily receives, dependably holds and easily releases coins comprising a molded, flexible, resilient and non-metallic body having spaced substantially parallel top and bottom walls and side walls formed integrally with and connecting said top and bottom walls and cooperating therewith to define a coin chamber having an open end to receive coins to be contained by the holder, said top and bottom walls having free arcuately-shaped edges constituting convexly-formed opposed lips defining the coin-receiving opening of the holder, said lips being relatively thin and flexible for deformation under pressure applied by coins as they are moved through said opening, and a pair of opposed convergingly related tongues formed integrally with the side walls and defining a gate partially closing said coin-receiving opening to engage and resiliently oppose movement of coins through said opening, said tongues being spaced over the greater portions of their lengths substantially uniformly from said free edges of the top and bottom walls and having opposed spaced free end portions for engagement with coins contained by the holder.

2,569,630

PROCESS AND APPARATUS FOR MAKING BAGS FROM NONFIBROUS SHEET MATERIAL

Gordon William French, Bedminster, England, assignor to Beasley, French & Company Limited, Bedminster, England, a British company

Application November 30, 1948, Serial No. 62,630
In Great Britain December 3, 1947
2 Claims. (Cl. 93—19)



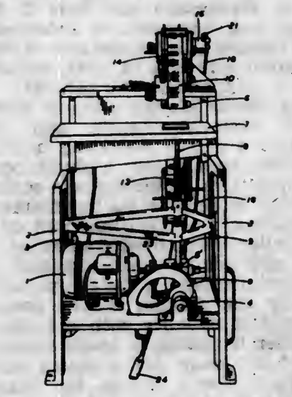
2. In an apparatus for producing bags from a flattened tubular length of non-fibrous sheet material, the combination of, a fixed former, having apertures therein, over which the sheet material is passed in the form of a tube, tube-holding rolls operating through said apertures to grip said tube, slot-cutting means rotatably mounted in a vertical plane about a horizontal axis for cutting out short segments to form slots at spaced points in opposite edges of the flattened tube, the ends of the slots being curved, and means to sever the flattened tube transversely after the slots have been cut therein and intermediate the ends of two opposing slots, and snatch rolls for periodically gripping and imparting a pull upon the section of the tube to be severed, said slot-cutting means being positioned to operate on said tube while it is on said former and prior to its passing to said transverse severing means.

2,569,631

TRANSFER APPLYING MACHINE

Thomas Harris, Birstall, near Leicester, England, assignor to N. Corah & Sons Limited, Leicester, England

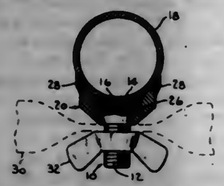
Application December 5, 1946, Serial No. 714,160
In Great Britain November 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 29, 1964
11 Claims. (Cl. 41—1)



1. A motor-driven machine for applying a transfer to the top article of a pile of articles, comprising in combination, a stationary frame; a stationary iron arranged in said stationary frame; means for heating said stationary iron;

a movable table arranged in said stationary frame below said stationary iron, said movable table for supporting a pile of articles being vertically reciprocable with respect to said stationary iron; a drive mechanism arranged in said stationary frame and including a driven member having a constant amplitude; a drive device interposed between said driven member and said reciprocable table and including resilient means adapting the stroke of said reciprocable table with respect to said stationary iron to the height of the pile; means arranged in said stationary frame for feeding a continuous strip of transfer-carrying material step-by-step across the top of the pile; and guiding means arranged at a level immediately below said stationary iron for guiding the strip beneath said stationary iron.

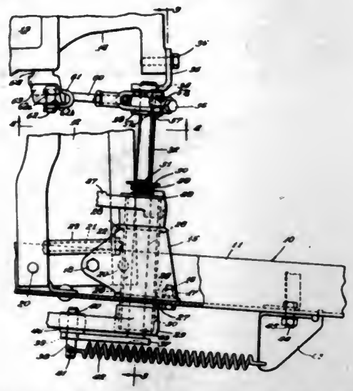
2,569,632
JOINT
Robert M. Hauck, Milwaukee, Wis., assignor to Safway Steel Products, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application September 12, 1949, Serial No. 115,227
4 Claims. (Cl. 287—20.2)



1. A joint comprising, a non-ferrous cylindrical tube, a non-ferrous belled cap having a generally frusto-conical interior and a curved base conforming to the curvature of said tube, said cap being welded to said tube and having an aperture at the small end of the frusto-conical interior, a ferrous stud having a generally frusto-conical head fitting within the interior of said cap with a curved base abutting said tube and a body projecting through said aperture.

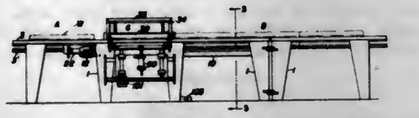
2,569,633
FRAME AND ENGINE SUPPORTS FOR CLUTCH CONTROL MECHANISM
Joseph A. Hausmann and Earl T. Riedy, Fort Wayne, Ind., assignors to International Harvester Company, a corporation of New Jersey
Application February 14, 1948, Serial No. 8,377
6 Claims. (Cl. 180—64)

1. In a vehicle having a frame and an engine yieldably mounted therein and including a clutch, and a clutch operating mechanism, the combination, comprising: a clutch control member; a support for mounting said control member for angular movement on the frame; said support including, a bracket mounted on the frame, and a tubular sleeve fixedly mounted within said bracket and adapted for rotatably supporting said control member; a clutch operating member carried by the engine; means connecting the clutch control member with the clutch operating member including, a shaft extending transversely of the frame and disposed axially within said tubular sleeve, means for supporting the shaft for universal and endwise movement including means loosely and rotatably connecting one end of the shaft to said control member for movement of the shaft about said end as a fulcrum, and lost motion means including a series of loosely connected articulated link members connecting the other end of said shaft to said operating member for transmitting angular



movement of said control member through the shaft to said operating member.

2,569,634
APPARATUS FOR AUTOMATIC LOCALIZED ANNEALING
Henry A. Holberson, Youngstown, Ohio
Application November 13, 1948, Serial No. 59,865
5 Claims. (Cl. 263—9)

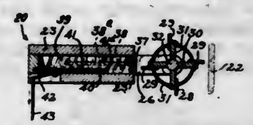


5. Annealing apparatus of the class described comprising ways adapted to support for successive movement along a rectilinear path a plurality of independent articles each having a main body portion and flanges extending normal thereto and to each other, means operable to consecutively move the articles along the ways to an annealing station with their body portions parallel to the ways, a torch adjacent said station normally positioned out of the path of the articles and including a head adapted to project a heating flame in a direction substantially parallel to the plane of the body portion of each article while at said station, means for automatically projecting the torch along a path substantially normal to said plane to thereby impinge said flame against the article within a corner defined by a junction of said flanges with each other and with the body portion upon the attainment by the article of a fixed position at said station, and means for thereafter consecutively retracting the torch and projecting the article farther along said ways while moving a succeeding article therealong toward said station.

2,569,635
AUTOMATIC WINDOW WASHER
Frank Grooms Holmes, Philadelphia, Pa.
Application January 31, 1946, Serial No. 644,499
5 Claims. (Cl. 15—251)

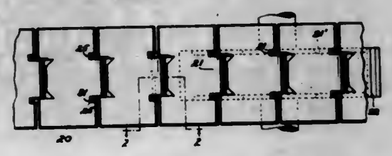
1. A window washing device comprising a hollow body for mounting in the frame of a window and having an open side to face the window pane, a frame for a window pane wiping member slidably positioned in said body and a portion projecting from the open side of said body, a

window wiping member mounted on the portion of said frame which projects from the open side of said hollow body, resilient means within said body urging said frame into an extended position for engaging said wiping member with the window pane, a catch bar mounted on said frame within said body, and manually operable release mechanism engaging said catch bar for holding said frame retracted into said body against the



action of said resilient means to retain said wiping member out of contact with the window pane, said release mechanism comprising a resilient catch member having one end fixedly mounted within said body, a hook formed on the other end of said catch member and engaging said catch bar, and means for flexing said catch member to disengage said hook from said catch bar freeing said frame to be extended by said resilient means.

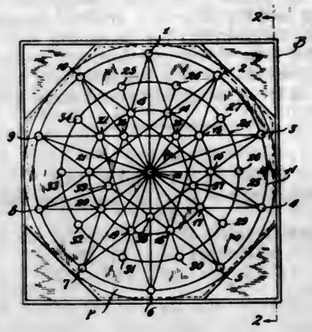
2,569,636
CONVEYER CHAIN
Philip J. Imse, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 18, 1947, Serial No. 742,375
1 Claim. (Cl. 198—195)



In a conveyer chain, a series of aligned plate-like sheet metal links forming a substantially continuous planar supporting surface, the adjacent edges of adjoining links having integral, inter-fitting portions constituting parts of articulate joints between the links, the first of said inter-fitting portions comprising a pair of ears bent down from one of the adjoining links and spaced apart to receive the second inter-fitting portion, each of said ears having flat side faces lying in planes perpendicular to the axis of the articulate joint and an aperture of continuous perimeter located centrally of the ear; the second interfitting portion comprising a curl of the metal of the other adjoining link having a cylindrical opening of substantially the same diameter as the apertures in the ears and coaxial therewith; a pin extending through and joining said interfitting portions; the combined axial length of said ears along said pin being substantially less than the axial length of said curl along the pin.

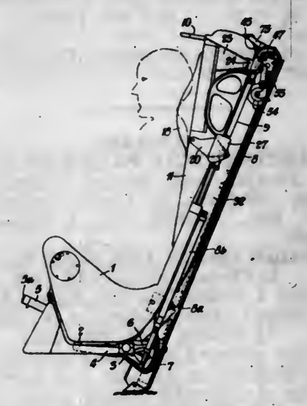
2,569,637
PEG AND HOLE PUZZLE DEVICE
Ira G. Loe, Cleveland, Ohio, assignor to Barters, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application July 5, 1949, Serial No. 103,079
6 Claims. (Cl. 273—133)

1. A puzzle comprising a play board having a five-point star with a station at each of the outer points thereof and a circle connecting said stations, a station at the centre of said circle, a series of interconnected stations located radially between said center and the five points of the star and having such radii indicated upon the play board, a circular series of stations located one upon each edge of the star and having a circle connecting the same, equally spaced stations ar-



ranged in pairs between the points of the star and having a circle connecting the same within said first-named circle, and radii connecting said edge station and said last-named station, in each instance, with said center, whereby play pieces may be placed at predetermined stations and removed by jumping over each other along radial or annular paths in such manner as to leave only a play piece at the centre station.

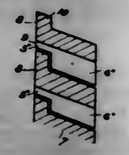
2,569,638
CONTROL MEANS FOR USE WITH EJECTION SEATS OF AIRCRAFT
James Martin, Higher Denham, near Uxbridge, England
Application November 28, 1949, Serial No. 129,745
13 Claims. (Cl. 244—122)



1. The combination in an ejection seat for aircraft having a frame on which the seat is mounted, a guide adapted to be fixed in the aircraft so as to be directed toward an outlet from which the seat may be ejected, an ejection gun operating between the seat frame and a fixed part of the aircraft to eject the seat and its frame along the guide, a main parachute, a drogue gun, a drogue parachute connected thereto and harness, of seat lock mechanism for lock-

ing the harness to the seat, means to release the drogue parachute from the seat when the seat is free of the aircraft and to release the harness from the seat lock mechanism, a connection between the drogue parachute and the main parachute, allowing the drogue parachute after release to draw out the main parachute, the pilot thus being freed entirely from the seat to enable him to make a normal parachute descent, means for locking the said release means and a time delay mechanism for releasing said locking means, the time delay mechanism being set, as the seat is ejected from the aircraft, to become operative after a predetermined time interval.

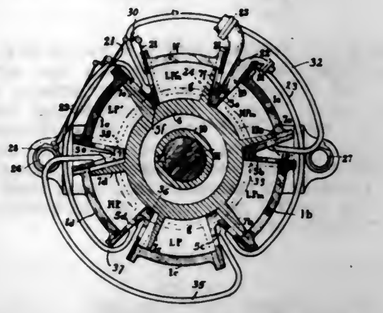
2,569,639
FURNACE GRATE BAR
Roger Marie Leonce Martin, Boulogne sur Seine, France
Application October 31, 1945, Serial No. 625,841
In France June 27, 1945
6 Claims. (Cl. 110—30)



1. A flat grate composed of a plurality of parallel arranged grate bars having each a prismatic shape; a continuous projection on the upper face of each of said prismatic grate bars arranged along and adjacent the outer face of the same; a continuous notch in the bottom surface of each of said grate bars arranged along and adjacent the outer surface of the same and shaped so that the projection of the adjacent grate bar fits into it; a plurality of air passages provided in each of said grate bars in the bottom surface thereof and shaped so as to be higher than said projections on the upper surface of said grate bars immediately below the passages so that the projection of the adjacent grate bar reduces the diameter of each of said air passages near the outer surface of said grate bar so that each of said air passages is composed of a relatively narrow outer portion and a relatively wide inner portion.

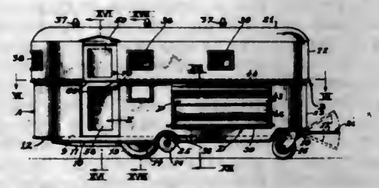
2,569,640
OSCILLATING FLUID PRESSURE MACHINE
Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia
Application April 28, 1945, Serial No. 590,920
In France February 16, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 16, 1963
21 Claims. (Cl. 230—159)

1. A fluid pressure machine comprising an element oscillatable on an axis and provided with a plurality of circumferentially spaced vanes extending outwardly of said element with respect to said axis, a casing enclosing and conforming to the exterior of said oscillatable element and said vanes while providing for oscillating movement of said element relative to said casing, said casing providing a plurality of circumferentially spaced chambers positioned outwardly of said element and each associated with a vane of said element reciprocatable therein as a piston upon oscillating movement of said element, means for conveying a fluid pressure medium at a substantial pressure to one of said chambers for acting on the vane therein to produce rotational movement of said element on said axis concomitantly with reduction in the pressure of said fluid pressure medium, means for conveying said fluid pressure medium of reduced pressure from said chamber to two chambers spaced circumferentially with respect to said first chamber to act on the vanes respectively in said two chambers to produce rotational movement of said element concomitantly with the rotational movement produced by said first vane, means for conveying a fluid pressure medium at relatively low pressure to two other chambers of



said casing for action of the vanes in said two other chambers on said medium of low pressure to increase the pressure thereof upon rotational movement of said element, and means for conveying said medium of increased pressure from said two other chambers to a sixth chamber spaced circumferentially with respect to said two other chambers for action of the vane in said sixth chamber on said medium of increased pressure to further increase the pressure of said medium upon rotational movement of said element concomitantly with the rotation producing said first increase of pressure.

2,569,641
TRAILER HOUSE
Walter A. Metherell, Turlock, Calif.
Application December 27, 1945, Serial No. 637,356
2 Claims. (Cl. 296—23)



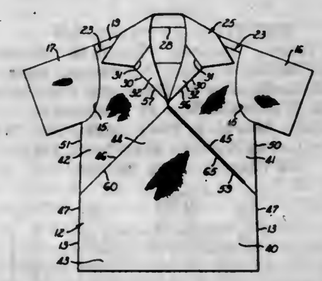
1. In a trailer house having a floor: a wall having a bed-receiving opening therein with its lower edge spaced above the floor; a bed-supporting frame dimensioned to close the opening; the frame being hinged at one of its sides to the wall at the bottom of the opening; the frame being swingable from a substantially upright folded position closing the opening into an extended horizontal position projecting outwardly beyond the exterior surface of the wall; a sectional canopy extending from the frame and over a bed, carried by the frame to the wall when the frame is extended; the canopy being foldable into the interior of the trailer house when the frame occupies a folded position; the sections of the canopy being rigid and telescoping one within the other; the canopy, when opened, having its lower section secured to the frame to support the latter, and the uppermost section having a flange abuttable against a portion of the wall to limit outwardly swinging of that section; and coacting means on adjacent sections to limit their outward telescoping movement to a point where the rigid sections will constitute a support for the outer side of the bed frame when the latter is disposed horizontally.

2,569,642
FISH BAIT
Theodore E. Schnabel, Southfield Township, Oakland County, Mich.
Application December 22, 1945, Serial No. 636,828
3 Claims. (Cl. 43—42.22)



1. A fish bait having a head portion the front edge of which is provided with a notch simulating a mouth, a hook having the portion remote from the barbed end bent angularly and secured in said head to project into said notch in a position to support a fish line, the shank portion of said hook extending rearwardly of the head with the barbed portion in spaced alignment with the rear edge of said head portion, and a flexible body portion secured to the rear portion of said head and having spaced slots near the end through which the barbed end of said hook extends, said body portion being of such length as to have the head and body portion form a bow on one side of the shank portion of the hook.

2,569,643
SHIRT TYPE GARMENT
Lola R. Spare, Pasadena, Calif.
Application September 1, 1950, Serial No. 182,707
7 Claims. (Cl. 2—115)

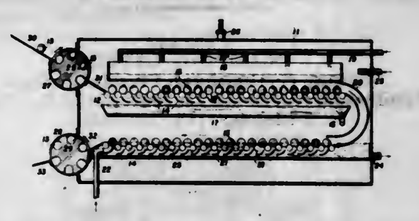


1. A shirt-type garment of woven fabric, comprising: a back panel; and a front panel, said back and front panels defining between them a neck opening and arm openings, said panels being seamed along their vertical side edges, said front panel being composed of at least two sections separably connected along a diagonal line, said sections being cut on the bias of the weave with said diagonal line extending parallel to said weave so as to allow stretch of said front panel in both vertical and horizontal directions across said diagonal line.

2,569,644
ORGANIC FLUORINE COMPOSITIONS AND METHOD OF MAKING
Frederic B. Stilmar, Woodstown, N. J., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application October 18, 1944, Serial No. 559,230
2 Claims. (Cl. 260—653)

1. The method of preparing highly fluorinated organic condensation products from a chlorofluoro organic compound which comprises heating a chlorofluoro organic compound which is selected from the aliphatic and alicyclic series and which consists of from two to seven carbon atoms, a plurality of fluorine atoms, a plurality of chlorine atoms and not more than two hydrogen atoms per molecule in liquid phase contact with a metallic copper condensing agent at a temperature between 140° C. and 350° C., diluting the reaction mixture with an organic solvent, separating the solid used condensing agent from the liquid mixture of condensation products and organic solvent, distilling off the organic solvent, separating the condensation products by fractional distillation, and then further fluorinating said condensation products by reacting them with a fluorinating agent selected from the group consisting of antimony pentafluoride, silver difluoride, cobalt trifluoride and manganese trifluoride so as to replace at least a part of the residual chlorine by fluorine.

2,569,645
PROCESS FOR STERILIZING CANNED FOODS
George K. Viall, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 6, 1948, Serial No. 58,672
6 Claims. (Cl. 99—214)

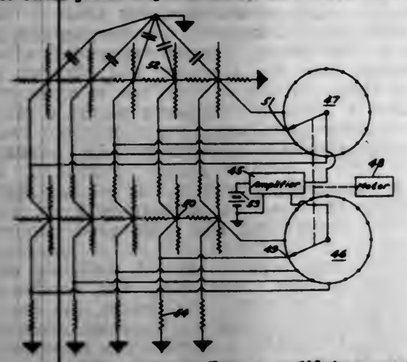


1. Process of sterilizing canned foods which comprises, subjecting the cans first to contact with a liquid heated substantially above 212° F. having a boiling point higher than the temperature employed to sterilize the contents of the cans and for a sufficient time to sterilize their contents, and subsequently cooling the cans by contact with a cooling liquid, the aforesaid processing being done while maintaining around the cans a body of non-condensable gas at a pressure above atmospheric pressure but below that which is developed within the cans at the maximum sterilizing temperature employed.

2,569,646
ELECTRICAL SIMULATOR
Elmer J. Wade, Schenectady, N. Y., and John W. Simpson, Wilkinsburg, Pa., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application April 26, 1949, Serial No. 89,628
6 Claims. (Cl. 235—61)

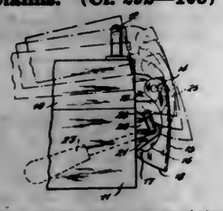
4. A device for simulating the spatial distribution of neutron flux in a nuclear reactor on an

electrical matrix comprising first and second inter-connected electrical networks, the voltages in said first network representing the fast neutron flux in said reactor, and the voltages in said second network representing the thermal neutron flux in said reactor, each network comprising a plurality of impedance elements connected to a series of junction points, each pair of corresponding junction points in said networks representing a discrete point in said reactor, and the voltage at each point representing the magnitude of



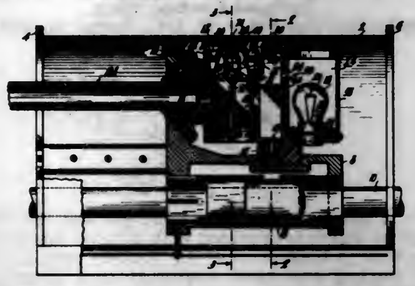
the appropriate neutron flux, amplifying means, connected to a source of electrical power, switch means adapted to connect consecutively each junction point of said second network to the input of said amplifying means and to simultaneously connect the corresponding junction point in said first network to the output of said amplifying means, and capacitance means connected between each junction point and a point of constant potential in said second network for maintaining the potential periodically impressed thereon by said amplifying means.

2,569,647
CLAMPING LATCH
Arthur F. Alexander, Cleveland, Ohio
Application November 15, 1947, Serial No. 786,194
2 Claims. (Cl. 292—108)



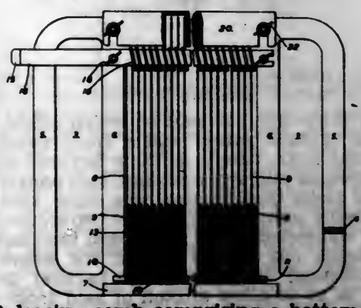
1. A clamping latch comprising a pivot mounted horizontally on the upper of two elements to be clamped together, said pivot being spaced horizontally a substantial distance away from said element, a shaft journaled on the lower element parallel to said pivot and in substantially the same vertical plane, a latch arm disposed outwardly of said shaft the upper end of which hangs on said pivot, said arm having a hook on its inner lower end projecting below and inwardly of said shaft when the upper element engages the lower element, an offset actuator on said shaft inwardly of said arm adapted to engage said hook for exerting a downward pull on said arm, stop means for limiting the downward and inward movement of said actuator beneath said shaft to a position slightly inward of said vertical plane, stop means for limitng the upward and inward movement of said actuator above said shaft to a position slightly inward of said vertical plane, an operating handle on said shaft adapted to overbalance said actuator in either position for holding it against one of said stop means, and cam surfaces at the lower end of said latch arm for deflecting the arm outwardly as it engages the actuator in the upper position of the latter during either upward or downward movement of the latch arm.

2,569,648
FACSIMILE SYSTEM AND APPARATUS
Maurice Artzt and Charles J. Young, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application April 30, 1949, Serial No. 90,634
4 Claims. (Cl. 178—7.1)



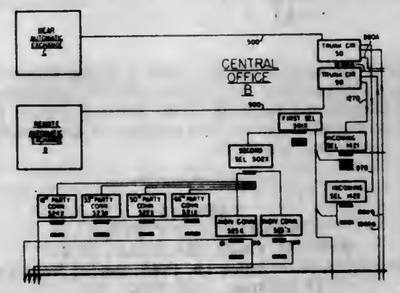
1. A facsimile device comprising a light transmitter copy holder, a carriage, means for guiding said carriage longitudinally of said copy holder, a rotary scanner mounted on said carriage having an optical system for projecting a beam of light onto said copy holder, the axis of rotation of said scanner coinciding with the axis of said copy holder, means for rotating said scanner, means for imparting longitudinal motion along said guiding means to said carriage in accordance with the rotation of said scanner, a source of illumination mounted so as to be stationary with respect to said carriage, and a pickup mirror mounted on said scanner so as to intercept light from said source during a predetermined portion of a revolution and direct it into the optical system of said scanner.

2,569,649
TEXTILE APPARATUS
Richard Henry Baines, Thomas Eccles, and Stephen Miller Fulton, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application March 8, 1947, Serial No. 733,368
In Great Britain March 12, 1946
5 Claims. (Cl. 28—54)



1. A leasing comb comprising a bottom frame member, a series of long and short dents secured to said bottom frame member and alternating along the length thereof, the spaces for the accommodation of warp threads between each short dent and the two adjacent dents being of different depths, and a top frame member adapted to space apart and to secure in spaced relationship the tops of said long dents, said top frame member being detachable from the dents so as to leave the spaces between the dents clear for warp threads to be dropped between the dents.

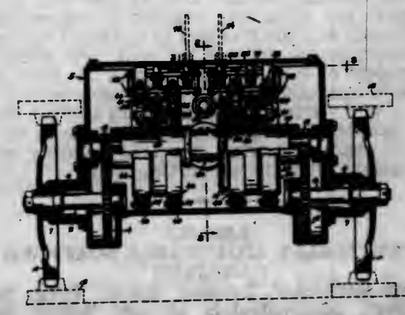
2,569,650
AUTOMATIC TELEPHONE SYSTEM INVOLVING SEPARATE OPERATOR AND SUBSCRIBER REGISTER SENDER APPARATUS
Harvey W. Balzer, Downers Grove, and John E. Ostline, Chicago, Ill., assignors to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 28, 1946, Serial No. 719,026
20 Claims. (Cl. 179—7.1)



14. In a telephone system, a calling telephone station, first automatic switching apparatus, a trunk circuit having line conductors, second automatic switching apparatus, a called telephone station, a register sender controllable from said calling telephone station to register digits and then operative to send switch directing signals corresponding to the digits registered, means responsive to initial sending operation of said register sender for operating said first switching apparatus to extend a connection from said calling telephone station to said trunk circuit, means responsive to the extension of said connection to said trunk circuit for reversing the normal polarity of the line conductors thereof with respect to said first switching apparatus and for initiating the connection of said second switching apparatus to said trunk circuit, means responsive to the connection of said second switching apparatus to said trunk circuit for restoring the normal polarity of the line conductors thereof with respect to said first switching apparatus, means controlled during the reversal of the normal polarity of the line conductors of said trunk circuit with respect to said first switching apparatus for withholding sending operation of said register sender, means responsive to further sending operation of said register sender for operating said second switching apparatus further to extend said connection to said called telephone station, a timer, means responsive to an answering operation at said called telephone station for initiating a timing operation of said timer, and means responsive to a releasing operation at said called telephone station for arresting the timing operation of said timer.

16. In a telephone system, a calling telephone station, first automatic switching apparatus, a trunk circuit having line conductors, second automatic switching apparatus, a called telephone station, a register sender controllable from said calling telephone station to register digits and then operative to send switch directing signals corresponding to the digits registered, means responsive to initial sending operation of said register sender for operating said first switching apparatus to extend a connection from said calling telephone station to said trunk circuit, means responsive to the extension of said connection to said trunk circuit for reversing the normal polarity of the line conductors thereof with respect to said first switching apparatus and for initiating the connection of said second switching apparatus to said trunk circuit, means responsive to the connection of said second switching apparatus to said trunk circuit for restoring the normal polarity of the line conductors thereof with respect to said first switching apparatus for withholding sending operation of said register sender, means responsive to further sending operation of said register sender for operating said second switching apparatus further to extend said connection to said called telephone station, an interceptor operator position, and means responsive to the presence for a given time interval of the reversal of the normal polarity of the line conductors of said trunk circuit with respect to said first switching apparatus for releasing said first switching apparatus and for extending a connection from said calling telephone station to said interceptor operator position.

2,569,651
POWER-TRANSMITTING MECHANISM FOR NARROW-GAUGE TRACTORS
Philip L. Bannan, Seattle, Wash., assignor to Western Gear Works, Seattle, Wash., a corporation of Washington
Application February 9, 1948, Serial No. 7,214
11 Claims. (Cl. 74—710.5)



1. In a steering transmission for crawler-type tractors, and in combination with a power shaft, two planetary gear sets one for each of the two crawler tracks and each comprised of a sun gear fast to the power shaft, an annular gear and a spider each journaled for rotation about the center of the shaft as an axis and each presenting a brake drum upon its perimeter, and planet gears carried by the spider and driven from the sun gear while tracking upon the annular gear, band-type brakes for each of said brake drums anchored at the bottom and presenting oppositely acting lugs at the top, guide rods for each of the brakes occupying positions above the latter and extending transverse to the shaft, a pair of slide-blocks for each of said brakes sup-

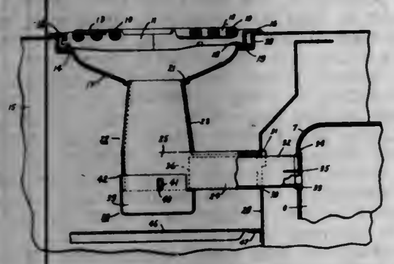
ported in axially spaced relation upon the guide rods and linked one to one and the other to the other of the two related lugs, and control means common to the four slide-blocks which are related to each planetary gear set and acting through said slide-blocks to apply either said brake alternatively while at the same time releasing the other brake.

2,569,652

OVEN VENT FOR RANGES

Leo F. Berg, Oak Park, Ill., assignor to Hotpoint Inc., Chicago, Ill., a corporation of New York

Application February 21, 1948, Serial No. 9,979
7 Claims. (Cl. 126—21)



1. In a range having an oven and a cooking top surface at one side of the oven with a space thereunder, said top having a vent opening therein, vent structure for said oven comprising a single, fixed, substantially horizontal flue tube extending from said oven to the space under said cooking top and terminating in a free and open end under said vent opening, a fixed vertical supporting wall for said flue tube, a removable L-shaped vent stack with its vertical arm in the form of a tube discharging below the vent opening and its horizontal arm in the form of an inverted channel communicating with the bottom of the vertical tubular arm at one end of the channel, the other end adapted to communicate removably wih the free end of the fixed flue tube, a disengageable support for said vent stack independent of said flue tube and in the form of a keyhole slot and shouldered lug connection between said vertical supporting wall and the stack, and said stack being of such a size as to be removed readily through the vent opening when disengaged from the supporting wall.

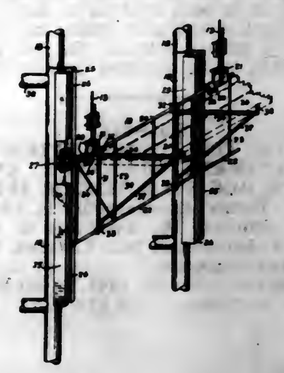
2,569,653

VERTICALLY ADJUSTABLE SCAFFOLD CARRIAGE

Robert Boedecker, Tacoma, Wash.; Peggy Boedecker, administratrix of said Robert Boedecker, deceased, assignor to Fred R. Boedecker, Tacoma, Wash.

Application May 26, 1947, Serial No. 750,473
2 Claims. (Cl. 304—39)

2. In a scaffold platform for a sectional scaffold comprising a plurality of units, each unit composed of a plurality of sections one above the other each such section being composed of inner and outer vertical legs braced together; the combination of a box track secured to the inner leg of each section of each unit, the box track of one section registering with the box track of the adjacent sections, each box track having a registering slot in its outer side; a carriage within the box track of each unit; a carrier comprising a structure having a top member extending past a plurality of said units and having a plurality of platform brackets extending laterally therefrom and movable thereon; means to support the carrier and comprising a cable attached to said top member and extending upward therefrom and



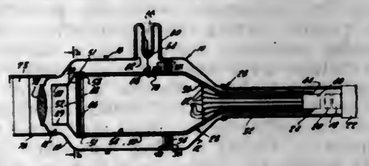
secured to said scaffold; and a hook secured to each carriage and engaging the top member of said carrier to hold it from pulling away from said box track under the action of the loads on said platform brackets.

2,569,654

CATHODE-RAY TUBE

John M. Cage, Montclair, N. J.

Application November 19, 1948, Serial No. 60,868
16 Claims. (Cl. 313—83)



1. A cathode ray tube comprising an outer envelope having a large cylindrical section closed on one end by a transparent window and a small cylindrical neck-like part extending therefrom, an electron gun in said neck-like part to generate and direct an electron beam along the axis of the envelope, a member within the envelope and in spaced relation to the walls thereof, said member carrying on one end thereof an accelerating anode in alinement with the gun and on its other end a reproducing screen spaced from the window and adapted to interrupt the beam for the formation of images thereon.

2,569,655

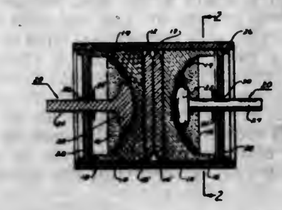
CONDENSER

John M. Cage, Montclair, N. J., assignor to Cage Projects, Inc., Union City, N. J., a corporation of New Jersey

Application December 1, 1948, Serial No. 62,843
4 Claims. (Cl. 175—41)

1. A condenser comprising a housing of dielectric material, a pair of terminals each having one end thereof extending from the housing, the inner ends of said terminals being separated by a pair of dielectric elements adapted to be placed in overlying relationship one with the other, conductive

surfaces on the outer side of each element for the attachment of its respective terminal and spacer



means interposed between said elements for fixedly adjusting the capacity thereof.

2,569,656

APPARATUS FOR TREATING THE CONTENTS OF CLOSED CONTAINERS

Gordon A. Chisson and Albert W. Gordon, Leesburg, Fla.

Application October 2, 1948, Serial No. 52,464
16 Claims. (Cl. 99—360)



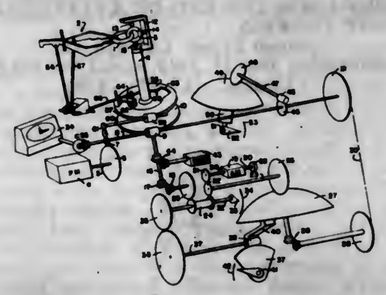
2. Apparatus for treating the contents of closed cylindrical containers, comprising an elongated roller having a cylindrical periphery arranged to frictionally engage the peripheries of a procession of said containers, means arranged to rotate said roller, guide means arranged to maintain said containers on said rotating roller with their axes at a slight angle to the axis of said roller whereby said containers are rotated and moved along said roller, and means providing a heat exchange zone through which said containers are moved.

2,569,657

WINDING MACHINE

Amédée Costa de Beauregard, Syosset, N. Y., assignor to Specialties, Inc., Syosset, N. Y., a corporation of New York

Application September 28, 1949, Serial No. 118,421
32 Claims. (Cl. 242—4)



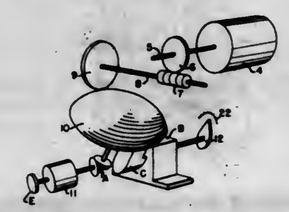
1. A winding machine of the type described comprising in combination; a plurality of grippers adapted to fixedly support a form to be wound in one plane; a shuttle; rotating means for revolving said shuttle bodily around the form in said plane; rotating means for rotating said shuttle in a second plane normal to said first plane and relative to the fixed form; a source of rotative power; driving connections between said source of power and said two rotating means for operating the shuttle in its two planes of rotation in a preselected speed ratio between the two degrees of rotation; and automatic means acting in synchronism with the rotative movements of said shuttle in said first plane, to periodically and successively remove each gripper out of the path of movement of said shuttle in said first plane, to allow passage of said shuttle, and replace said grippers in said path of movement successively after passage of the shuttle thereby.

2,569,658

VARIABLE-SPEED CONTROL DEVICE

Amédée Costa de Beauregard, Paris, France, assignor to Specialties, Inc., Syosset, N. Y., a corporation of New York

Original application September 28, 1949, Serial No. 118,421. Divided and this application August 23, 1950, Serial No. 180,923
11 Claims. (Cl. 74—721)



1. A variable speed control-escapement assembly for a machine comprising a source of rotational power supplying torque in excess of that required for the machine; a meshing worm gear and worm having their teeth formed so that they are at the threshold of reversibility; connections between said worm gear and said source of rotation power; a spherical member mounted for rotation and pivotally movable; means for pivotaliy moving said spherical member in an arcuate path; means for rotating said spherical member; a rider in frictional contact with the rotating surface of said spherical member and tangentially mounted relative to a circumference of said spherical member; driving connections between said worm and rider; and an output connection from said worm gear and machine; whereby the speed of rotation of said spherical member and the relative position of said spherical member and rider govern the output torque permitted to escape through said worm and worm gear.

2,569,659

COMB HAIR LOCK

Blanche M. Dombek, New York, N. Y.

Application January 29, 1949, Serial No. 73,485
1 Claim. (Cl. 132—22)



A comb hair lock comprising more than two comb portions, hingedly connected together with teeth extending inwardly in a common plane, and in chain fashion, said comb portions adapted to have teeth to extend into the hair when closed upon one another to contain a large

body of the hair, the comb portion at each end of the chain having an extension secured thereon and means on said extensions releasably engageable with one another to retain the end comb portions in locked engagement with one another, one of said extensions having an arm pivotally connected to one of the comb portions and the extension of the other comb portion having a hook formation thereon, said arm having a plurality of spaced button formations for receiving the hook formation on the extension of the other comb portion.

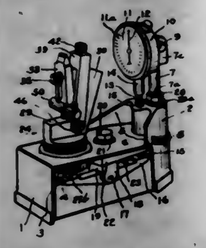
2,569,660

MEASURING AND GAUGING DEVICE

Walter K. Dow, Longmeadow, Mass.

Application February 3, 1948, Serial No. 5,959

7 Claims. (Cl. 33—147)



1. A device of the character described for use in combination with an indicator and means for accurately transmitting measurements to said indicator, comprising a base, a dial indicator supported on said base, stage means on said base for supporting a member to be gauged or measured and to transmit the measurement thereof to the indicator, a body portion having an opening therein, a sliding pin in said opening, an outwardly extending support on said body portion, an anvil mounted for sliding movement on said outwardly extending portion of said body portion and adapted to engage a portion of the member to be measured or gauged, means for locking said anvil in adjusted position, and a stop member mounted on said body portion and pivotally adjustable relative thereto and having a portion thereof adapted to engage another portion of said member to be measured or gauged, said pivoted stop member comprising a yoke having a pair of spaced leg portions straddling said extension on said body portion and having wear resistant surfaces on each of said leg portions and adapted to engage the member to be gauged or checked and a pivoted lever in said base and adapted to transmit motion of said sliding pin to said dial indicator.

2,569,661

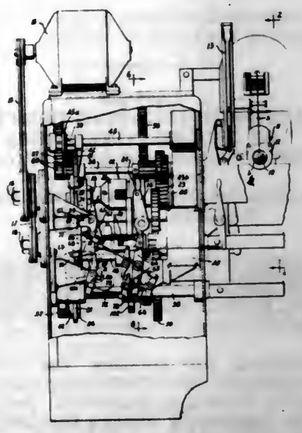
BOBBIN WINDING MACHINE

Russell P. Drake, Caledonia, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois

Application March 30, 1946, Serial No. 658,491

2 Claims. (Cl. 242—27)

1. A bobbin winding machine comprising, in combination, a winding spindle, a yarn traversing device reciprocable along the spindle, drive mechanism comprising a power driven shaft, a main drive shaft operatively connected with the spindle and a dual clutch unit interposed between said shafts and including a first clutch operative when engaged to drive the spindle and a second clutch engageable as an incident to the disengagement of the first clutch, said second clutch having a rotatable housing connected with said main drive shaft when said second clutch is engaged, feed means for the traversing device having a disengageable connection with said drive mechanism, a cam shaft having a clutch controlling the operation thereof by said drive mechanism, means operative at a predetermined point in the advance of the traversing device to actuate the cam shaft clutch to start the cam shaft and substantially concurrently therewith to actuate said dual cluch unit to interrupt the drive of the



spindle by said power driven shaft, means operative by the cam shaft to disengage the connection between the feed means and said drive mechanism and to return the traversing device, an auxiliary drive means for the spindle actuated by the cam shaft to impart a slow rotational movement to the main drive shaft through the second clutch and said clutch housing during such return of the traversing device, and means for interrupting the rotation of the cam shaft and actuating said dual clutch unit to interrupt the spindle drive by said auxiliary means and to start said main drive shaft.

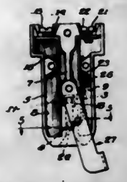
2,569,662

LAMP SOCKET HAVING MEANS TO RELEASABLY LOCK THE END OF A FLUORESCENT LAMP THEREIN

Joseph Fallek, Chicago, Ill.

Application July 21, 1949, Serial No. 105,976

4 Claims. (Cl. 173—328)



1. A light socket for fluorescent light tubes wherein the tube has a pair of contact pins at each end thereof, comprising a main body portion, an elongated slot extending inwardly from one end of said body, electrical contact means at the inner end of said slot adapted to straddle and frictionally receive one of the contact pins on the light tube, an electrical contact member adjacent the open end of said slot and movable from an advanced position across the slot to positively lock one end of the light tube therein to a retracted position clear of said slot, and a lever having one end pivotally mounted within said body and having a medial portion thereof movable into engagement with said contact member and having an end region thereof extending outside of said body for manual engagement to move said medial portion into engagement with said last named contact member to move the latter out of said slot whereby that end of the light tube may be released.

2,569,663

COMPOSITION FOR AND METHOD OF DETERMINING CHROMATE CONCENTRATIONS

Harry E. Frank and Melvin A. Hanson, Bloomington, Ill., assignors, by direct and mesne assignments, to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 31, 1947, Serial No. 795,116

16 Claims. (Cl. 23—230)

1. A method for the determination of chromate concentration in an alkaline chromate solution of unknown concentration, which comprises impregnating a white bibulous sheet with an aqueous acid solution of from 60 to 160 grams per liter of solution of a crystalline organic acid selected from the group consisting of citric acid and tartaric acid and from 3 to 8 grams per liter of solution of a compound selected from the group consisting of benzidine, hydrochloric acid and acetic acid derivatives of benzidine, drying said impregnated sheet and placing a drop of said alkaline chromate solution on said dry sheet, the concentration of said acid and of said compound in said sheet being such that upon contact of said drop with said sheet a color will develop within the range from blue through golden to brownish gold depending upon the concentration of the chromate in said chromate solution.

2,569,664

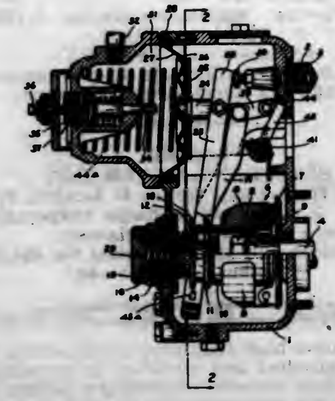
COMBINED MECHANICAL AND PNEUMATIC GOVERNOR

Walter J. Gewinner, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application November 5, 1947, Serial No. 784,271

2 Claims. (Cl. 123—140)

1. In a combined pneumatic and mechanical governor for controlling a fuel injection pump having a control rack, said governor having a housing, a centrifugal governing element, a pneumatic governing element, a lever controlled by said centrifugal governing element and a lever controlled by said pneumatic governing element, said levers each having U-shaped end portions in adjacent relation, an adjustable collar, said U-shaped end portions each being pivotally mounted adjacent their opposite sides with the U-shaped portion of the lever controlled by said centrifugal governing element being pivotally connected to said adjustable collar and the U-shaped portion of the lever controlled by said pneumatic governing element being pivotally connected to said housing, and said U-shaped end portions being connected to each other, said lever which is controlled by said pneumatic governing element being connected adjacent its free end to said pneumatic governing element and the other of said levers being connected adjacent its free end to the pump control rack whereby when the pneumatic governing element is in operation, the control rack will be operated through both said levers and when the centrifugal gov-



erning element is in operation, the control rack will be operated directly through the lever connected thereto.

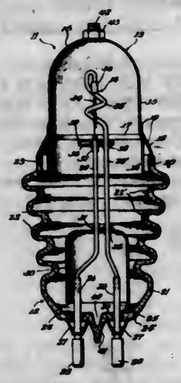
2,569,665

ELECTRON FLOW DEVICE

Joseph B. Gosling, Milwaukee, Wis., assignor to General Electric Company, a corporation of New York

Application November 18, 1949, Serial No. 128,163

6 Claims. (Cl. 313—317)



1. An electron flow device comprising a sealed envelope embodying a glass envelope portion and a metal shell sealed in end-to-end relationship to form the opposite end portions of the envelope, said glass portion and shell having matching seal rims forming a circumferential glass-metal seal medially of the opposite ends of said envelope, said glass portion being formed with circumferential corrugations between the ends thereof and tapering inwardly from its shell sealed end toward the opposite end thereof, and a cathode structure mounted within said envelope on said glass portion and supporting an electron emitting element within said metal shell to constitute the same as an anode adapted to dissipate heat therefrom directly outwardly of said envelope.

2,569,666
ANTIHISTAMINE SALT OF PENICILLIN
Alphonse F. Granatek, Syracuse, N. Y., assignor to Bristol Laboratories Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application October 4, 1950, Serial No. 188,480
4 Claims. (Cl. 260—239.1)

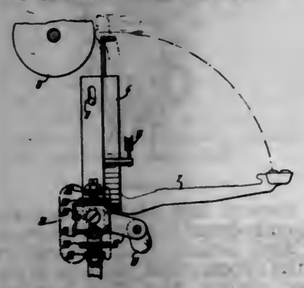
1. A salt of penicillin and [1-p-chlorophenyl-1-(2-pyridyl)-3,3-dimethylaminopropane].

2,569,667
ELECTRICAL FILTER UNIT
Robert L. Harvey and Vernon D. Landon, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application July 18, 1946, Serial No. 684,622
10 Claims. (Cl. 178—44)



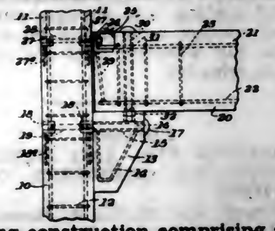
1. An ultra-high frequency multi-section filter unit for physical and electrical interposition in shielded leads thereto comprising a flexible outer conductor for connection at its opposite ends to the respective outer conductors of said leads, a plurality of apertured conductive disks within and peripherally engaging said flexible outer conductor, a series of tubes of insulating material, each about one-quarter wavelength long for spacing adjacent pairs of said disks and for supporting said flexible outer conductor, a series of tubular capacitors each extending through and supported by one of said conductive disks with its outer plate connected thereby to said outer flexible conductor, and an inner conductor for connection at its opposite ends to the inner conductors of said shielded leads and extending through said tubular capacitors with connection to the inner plate of each of them.

2,569,668
CASE SHIFT MECHANISM FOR TYPEWRITERS AND LIKE MACHINES
William F. Helmond, Clinton, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application December 8, 1949, Serial No. 131,824
3 Claims. (Cl. 197—81)



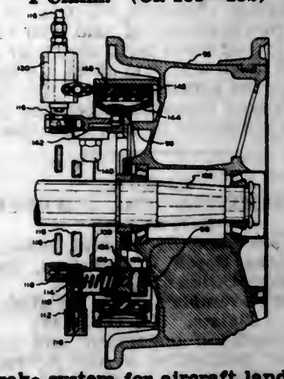
1. In a case-shift limiting means having two confronting counterstops, a stop element comprising a generally cubical core of rigid material and having opposite faces for cooperation respectively with the counterstops, a sleeve of fabric material surrounding said core so as to overlie the opposite faces and two ends of said core, at least one of said core ends having a recess, and a tension spring straddling said recess to depress the adjacent sleeve portion into the recess and thereby tension the sleeve into firm contact with the opposite faces of said core.

2,569,669
BEAM CONNECTION FOR PRECAST CONCRETE MEMBERS
Albert Henderson, Pittsburgh, Pa., assignor, by mesne assignments, to Peoples First National Bank & Trust Company, Pittsburgh, Pa., a national banking association
Application February 27, 1946, Serial No. 650,495
1 Claim. (Cl. 72—108)



A building construction comprising a plurality of precast concrete members including a support member and a bracket member and a beam member resting on the bracket member, two hollow metal members embedded in the bracket member, a tie projecting from the support member entering one of the metal members and a tie projecting from the beam member entering the second metal member, the two hollow metal members being connected together.

2,569,670
SELF-ENERGIZED BRAKE SYSTEM
Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
Application July 9, 1947, Serial No. 759,837
1 Claim. (Cl. 188—152)



In a brake system for aircraft landing wheels, a wheel and brake assembly having a pump actuator directly associated with the wheel and energized when the wheel is rotated, a pump having an inlet and a discharge located directly adjacent said wheel and brake assembly, an operative connection between said pump and actuator, conduit structure located adjacent said assembly and hydraulically connecting said inlet and discharge to define a by-pass for fluid pressure, valve mechanism including a normally open fluid pressure actuated valve located in said by-pass, a hydraulic connection between said brake and discharge, a supply of hydraulic fluid remotely located with reference to said assembly and hydraulically connected to said inlet, said valve mechanism including means defining a chamber in which fluid under pressure is directed to actuate said valve to restrict said by-pass to direct fluid pressure from said pump to said brake, manual control means, remotely located with reference to said assembly, including a displaceable wall hydraulically connected to said chamber and to said brake to simultaneously move said valve toward a restricting position in said by-pass and to initiate the application of hydraulic fluid in said brake, whereby the capacity of said pump to furnish hydraulic fluid under pressure to said brake from said supply is a function of the rate of rotation of said wheel and the regulation of said valve by said remotely located manual control means, and structure defining a fluid return between said brake and said supply with said valve in its normally open position.

2,569,671
PURIFICATION OF CRUDE ALCOHOLS
William B. Hughes, Barnsdall, and Jack Newcombe, Pawhuska, Okla., assignors to Cities Service Oil Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application July 16, 1948, Serial No. 39,188
12 Claims. (Cl. 260—643)

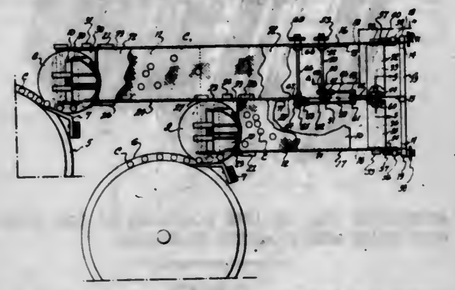
1. The process of purifying crude alcohol solutions comprising treating an aqueous crude alcohol solution containing carbonyl and acetal impurities with hydrogen at temperatures of from about 100° C. to about 250° C. and at pressures of from about 500 p. s. i. g. to 3000 p. s. i. g. in the presence of a catalyst selected from the group consisting of platinized nickel, supported nickel, Raney nickel, palladinized nickel, platinum black, palladium black, copper chromite, cobalt chromite, and iron chromite, and in the presence of from about 0.005 to about 1.0 per cent of a mineral acid from the group consisting of sulfuric and phosphoric acids.

2,569,672
FLOTATION OF SLIMES FROM SYLVINITE ORE WITH HYDROXYETHYL CELLULOSE
Richard I. Jackson, Perrysburg, Ohio, assignor to International Minerals & Chemical Corporation, a corporation of New York
No Drawing. Application April 6, 1950, Serial No. 154,447
7 Claims. (Cl. 209—166)

1. A process of desliming sylvinite ore which comprises preparing a pulp comprising comminuted sylvinite ore and an aqueous brine saturated with respect to said ore, treating said ore with a slime flotation reagent comprising material selected from the group consisting of hydroxyethyl cellulose and its alkali metal derivative, subjecting the treated ore pulp to froth flotation, and separating the slime therefrom.

2,569,673
FRAME FOR SUPPORTING JUXTAPOSED ENDLESS BELT CONVEYERS
John C. Johnson, East Hempstead, N. Y., and Walter H. Johnson, Newmanstown, Pa.
Application June 3, 1949, Serial No. 96,243
10 Claims. (Cl. 198—75)

1. In a frame for supporting a pair of juxtaposed endless belt conveyers of different lengths, a transverse member at the delivery portion of the conveyers, two side members of different lengths, each side member connected at one end to an end portion of the transverse member, an intermediate member in two sections of a length equal to the long side member and connected at one end to an intermediate portion of the transverse member, a drum to support the receiving portion of the long conveyer rotatably supported on a fixed axis adjacent the end portions of the long side member and the intermediate member opposite the ends connected to the transverse member, a second drum to support the receiving portion of the short conveyer rotatably supported on a fixed axis adjacent the end portion of the short side member opposite the end connected to the transverse member and



between the sections of the intermediate member, and a pair of drums to support the delivery portions of both conveyers rotatably mounted between the end portions of the side and intermediate members connected to the transverse member on axes adjustable longitudinally of the side and intermediate members to individually take up slack in the conveyers.

2,569,674
LINE-SPACE RELEASE DEVICE FOR TYPEWRITING AND LIKE MACHINES
Willard C. Jones, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1947, Serial No. 757,712
7 Claims. (Cl. 197—123)

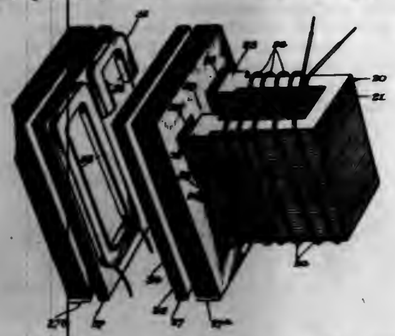


6. In a line-space release mechanism for typewriters, a rotatable platen, a line-space ratchet wheel arranged on the platen axis to rotate independently of the platen, means to clutch said ratchet wheel to rotate with the platen, said means including a plurality of rigid clutch levers, cam means to operate said clutch levers, a single fulcrum means common to all of said clutch levers, and means on the platen opposing movement of said fulcrum means only in the direction defined by the clutching action of said levers.

2,569,675
VARIABLE TRANSFORMER
Oscar A. Keefe, Lincoln Park, N. J.
Application September 9, 1948, Serial No. 48,881
15 Claims. (Cl. 171—119)

1. A variable transformer comprising, a magnetic primary core having salient poles thereon and an air gap between the poles, a primary winding on the said core, a secondary coil structure, a plurality of mutually spaced magnetic bridging members bridging said air gap and disposed so as to sandwich the secondary coil structure therebetween, said magnetic bridging members and secondary coil structure having open-

ings therein to receive telescopically the poles of the primary core and means to vary tele-



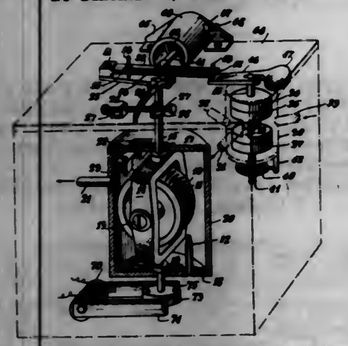
scopically the relative positions of the primary core poles and bridging members.

2,569,676

CONTROLLED FLIGHT EQUIPMENT

Theodore W. Kenyon, Huntington, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application December 22, 1945, Serial No. 637,958
10 Claims. (Cl. 137—139)



1. In a control device, an element tending to have a fixed angular position in space, a lever movable relatively to said element and pivotally connected thereto, a slowly yieldable member pivotally connected to said lever, a restrained member having a normal position relatively to said element, a device adapted to be actuated as said restrained member is moved in one direction or the other from its normal position, means for displacing said element when the other members have moved relative thereto more than a predetermined degree and means for imposing on said element an angular turning movement.

2,569,677

PHOTOCHEMICAL PRODUCTION OF BENZENE HEXACHLORIDE

William A. La Lande, Jr., Upper Darby, Margaretta Elizabeth Acugie, Philadelphia, and Gladys Molyneux, Meadowbrook, Pa., assignors to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application April 4, 1947, Serial No. 739,359
7 Claims. (Cl. 204—163)

1. The method for production of a benzene hexachloride product rich in gamma isomer that comprises reacting liquid benzene with chlorine at a temperature not higher than about 40° C., with actinic light irradiation of wave length within the range including visible and ultra violet radiation, to form benzene hexachloride, discontinuing such chlorination after about 20 to about 50% of the benzene has been thus converted to benzene hexachloride, removing solid phase material from the resulting mixture while maintaining the temperature in the range from about 0° C. to about 40° C. and separately recovering, without further chlorination, solid benzene hexachloride product of reaction that remains in solution in the unchlorinated benzene.

2,569,678

SUSPENSION ROD FOR THE INTERIOR OF VEHICLES

Roy C. Larson, Buffalo, S. Dak., and Ray A. Patterson, San Diego, Calif., assignors, by direct and mesne assignments, of one-half to said Roy C. Larson and one-half to Harold Larson

Application April 19, 1947, Serial No. 742,620
2 Claims. (Cl. 224—42.1)



1. In a suspension rod of the class described, the combination of a hollow tubular telescopic member substantially at the middle of said suspension rod, second and third telescopic members extending from opposite ends of said first-mentioned telescopic member, a bolt having a tapered rectangular in cross section head portion fitted in the inner end of one of said telescopic members, said bolt having a screw threaded portion, a nut thereon engaging the other of said telescopic members internally of said first-mentioned telescopic members and engaging the same whereby rotation of said first-mentioned telescopic member rotates said nut longitudinally extending said bolt therefrom whereby said second and third-mentioned telescopic members are longitudinally extended relatively to each other.

2,569,679

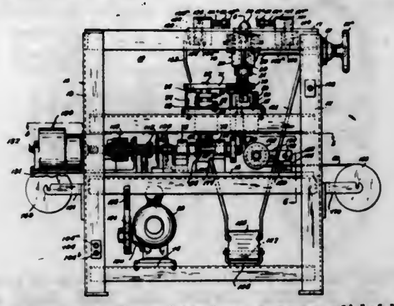
APPARATUS FOR WINDING ELECTRICAL COILS

John B. Leece, University Heights, and Nathan P. Harmon, Cleveland, Ohio, assignors to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio

Application November 27, 1948, Serial No. 62,394
11 Claims. (Cl. 242—1)

1. In a coil winding machine of the character described, a workholder for supporting a substantially annular magnet frame of the type having an opening therein and an isolated pole member projecting into said opening, said workholder being reciprocably movable along a path substantially coincident with the central axis of said opening, a wire-feeding guide adapted to pass through said opening, said guide having a

stem mounted for rocking movement substantially on said axis and an arm carried by said stem and adapted to be oscillated transversely to said path by said rocking movement, said workholder being hollow at one end for receiving said magnet frame therein and at its other



end having hollow bearing means slidable on said stem, a first means for imparting said reciprocating movement to said workholder, and a second means for imparting said rocking movement to said stem, said first means and said second means being effective to produce said reciprocating and rocking movements alternately

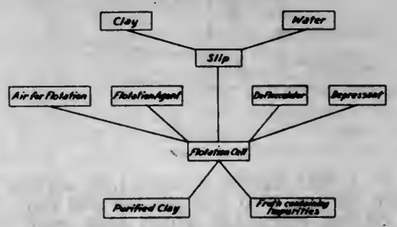
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2,569,680

FLOTATION PROCESS FOR WHITENING CLAY

Thomas Gostage Leek, New York, N. Y., assignor to Edgar Brothers Company, Metuchen, N. J., a corporation of New Jersey

Continuation of application Serial No. 660,139, April 6, 1946. This application February 4, 1949, Serial No. 74,646
13 Claims. (Cl. 209—10)



1. A method of whitening clay comprising adding a deflocculating agent to the clay to deflocculate it and subjecting the clay while in deflocculated condition to flotation in the presence of an added flotation agent selective to the impurities in the clay which are mechanically separable therefrom while passing air upwardly through the clay and forming a froth whereby such impurities are floated off in the froth and the clay from which the impurities have been removed is delivered in the tailings.

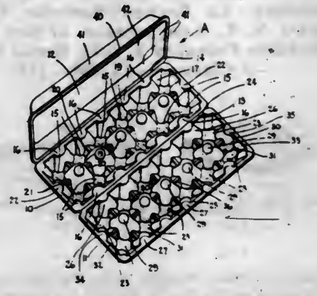
2,569,681

EGG CARTON

James Warren Lennon, St. Paul, Minn., assignor, by mesne assignments, to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application February 21, 1947, Serial No. 729,963
5 Claims. (Cl. 229—2.5)

1. An egg carton including a pair of elongated sections of molded pulp hingedly connected together to fold from side-by-side relation to superposed relation, each of said sections comprising a tray-shaped body having a bottom and rectangularly arranged side and end walls connected thereto, a series of spaced tapered integral posts extending upwardly from the bottom to the plane of the marginal edges of the side and end walls, a series of tapered integral inward projections on said side walls in transverse alignment with said posts, a series of tapered integral projections on said end walls in longitudinal alignment with said posts, said bottom, side and end walls, said



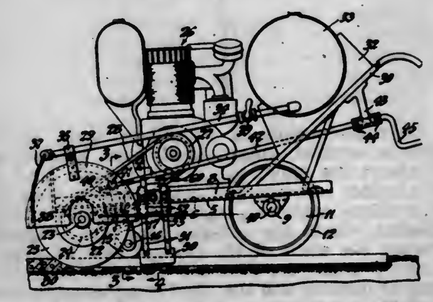
posts and said inward projections combining to form egg receiving pockets capable of supporting eggs in spaced relation, the posts and inward projections of the two sections being in opposed relation in superposed position of the sections, the posts of one section extending into substantial contact with the posts of the other section when the sections are in superposed relation, the posts and inward projections of one section being larger than the similar elements of the other section, thereby providing smaller pockets in said one section.

2,569,682

MEANS FOR CUTTING PAVEMENT AND OTHER LIKE SURFACES

William Hurst Lewis, Altadena, Calif.

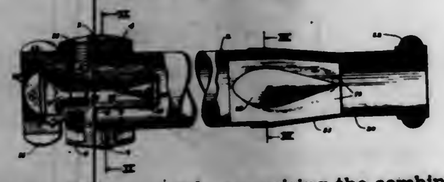
Application February 11, 1946, Serial No. 646,801
5 Claims. (Cl. 262—20)



1. A mobile apparatus for cutting pavements, comprising: a vehicle provided with wheels disposed adjacent its rearward end to adapt it to be moved along the surface of said pavement; a rotatable shaft extending transversely across said frame at the forward end thereof; a cutter disc carried by said shaft and disposed in a plane spaced laterally of said vehicle frame beyond said wheels, said disc being adapted to cut a kerf in said pavement; power means on said vehicle for rotating said shaft and cutter disc; supporting wheels on said vehicle for supporting the forward end thereof; adjusting means for vertically adjusting said supporting wheels to vary the depth of the kerf cut in said pavement by said

disc; a guide plate carried by said vehicle frame and disposed in alignment with the plane of said cutter disc, said guide plate being adapted to engage in a portion of said kerf previously cut by said disc to guide said vehicle and disc in a straight path and ratchet means for vertically adjusting said guide plate.

2,569,683
AIRFOAM NOZZLE
Charles H. Lindsay, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application February 5, 1946, Serial No. 645,593
2 Claims. (Cl. 299—113)



2. An airfoam nozzle comprising the combination of an ejector for a water-airfoam liquid mixture, including spreader means for expanding the discharged liquid into a stream of diverging form and a tubular passage section receiving and confining said stream, with an air inlet port to the interior of said section on the up-stream side of the diverging portion of the discharged liquid; an annular passage section of smaller cross-sectional area than the tubular section and forming a continuation thereof; and an outlet section of substantially the same cross-sectional area as the annular section and forming a continuation thereof.

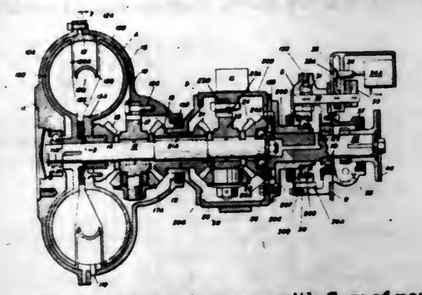
2,569,684
NEEDLE-RETAINING SPOOL
Louis Locantore, New York, N. Y.
Application February 4, 1949, Serial No. 74,669
6 Claims. (Cl. 223—109)



1. In combination, a thread-carrying spool having a central longitudinal bore extending throughout the spool to the spool ends, and a needle holder consisting of a thin hollow core of firm, resilient material, resistant to penetration, positioned within the central bore and adapted to engage the walls of the central bore by pressure and friction, for securing the temporary retention of needles and the like forced between the wall of the central bore of the spool and the exterior surface of the firm, resilient core.

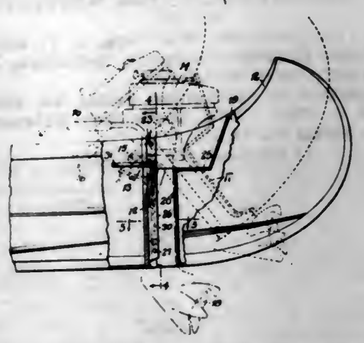
2,569,685
AUTOMATIC TRANSMISSION
William E. Looney, Detroit, Mich.
Application April 7, 1948, Serial No. 19,569
2 Claims. (Cl. 74—731)

1. In an automatic transmission a fluid drive coupling having a power take-off shaft extending therefrom, a rotatable casing through which said shaft extends, a bevel gear differential in said casing and having its spider rotatable with said casing, a sun gear keyed to said shaft adjacent said coupling, a second sun gear rotatable about said shaft and provided with pilot means for the end of said shaft, a load shaft extension fixed to said second sun gear, clutch means between said second gear and said casing, means



for engaging said clutch means with flow of power from said coupling toward said load shaft and for disengaging said clutch means upon reversal of said power flow, and manual means for controlling said engagement and disengagement.

2,569,686
BOAT CONSTRUCTION
Frederick C. Melchior, New York, N. Y.
Application January 8, 1948, Serial No. 1,170
2 Claims. (Cl. 9—2)



1. In a boat having a main hull portion and a stern portion, said hull portion and stern portion having bulkheads which abut each other when said portions are disposed in normal relative position, the bulkhead of the stern portion being formed in an offset manner intermediate its length to form a well between said bulkheads which well is open at the top and bottom thereof, vertical ribs on the bulkhead of the main hull portion extending into the well along side the walls of the well, manipulable means on the bulkhead of the hull portion and cooperating with said ribs and the walls of the well to latch said portions together in normal relation, and means at the tops of said portions to hinge them together for pivotal relative motion.

2,569,687
SIGNAL DETECTOR CIRCUIT
Wen Yuan Pan, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1948, Serial No. 62,808
1 Claim. (Cl. 250—20)

In a receiving system for modulated radio frequency signals comprising a tuned radio frequency antenna input circuit and a load circuit, the said input circuit comprising a variable condenser in series with a grounded step down transformer having primary and secondary sections, the said load circuit comprising a crystal detector connected to the secondary section of said transformer, a positive feed back inductor connected to the output side of said crystal and in-



ductively coupled to said transformer, a by-pass capacitor connected in parallel with a pair of earphones, the said earphones being also connected to the said feedback inductor and to ground, said transformer having a step-down ratio substantially equal to that between the impedance reflected into said input circuit from said load circuit.

2,569,688
PROCESS FOR MAKING CONJUGATED DIENE COPOLYMERS
Harold F. Park, East Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 12, 1947, Serial No. 747,593
1 Claim. (Cl. 260—84.3)

A process for copolymerizing styrene with isoprene which consists of dissolving 0.8 part of the sodium salt of mahogany acids in 1000 parts of water, heating said solution to boiling temperature for 15 minutes and then cooling said solution to 75° C. under an atmosphere of nitrogen, adding to the cooled solution a mixture of 250 parts of styrene, 165 parts of isoprene and 0.34 part of dodecyl mercaptan, said addition being made continuously over an extended period of time at temperatures between 60° C. and 75° C. accompanied by constant agitation, and, at the same time, continuously adding a solution of 0.8 part of potassium persulfate dissolved in 100 parts of water and thereafter heating the emulsion at reflux temperature until said reflux temperature rises to 97° C. and finally cooling said solution.

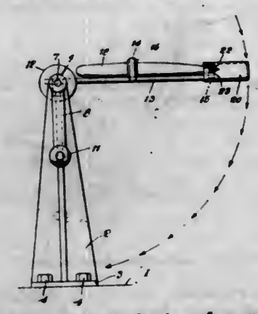
2,569,689
VENTILATOR
William H. Porter, La Jolla, Calif.
Application April 29, 1946, Serial No. 665,861
3 Claims. (Cl. 160—121)

1. In a ventilator of the class described, the combination of a pair of rollers, a flexible sheet wound on said rollers and extending therebetween, provided with a perforate portion and a solid portion, louvers substantially contiguous at opposite sides of said flexible sheet, through which said flexible sheet extends, said louvers substantially V-shaped in cross section and arranged in downwardly and outwardly disposed relation from said flexible sheet, a second flexible sheet in spaced relation to the first mentioned flexible sheet and extending through said louvers



substantially contiguous, and second roller means supporting said second flexible sheet.

2,569,690
DEVICE FOR REMOVING INK FROM FOUNTAIN PENS
Paul M. Ressinger, Highland Park, Ill.
Application November 22, 1948, Serial No. 61,336
3 Claims. (Cl. 34—58)

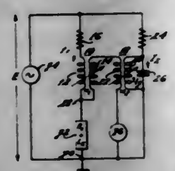


1. In a centrifugal device for removing ink from fountain pens, a base, a rotor mounted on the base for rotation about a predetermined axis, a securing connection on the rotor comprising a curved element lined with yielding material and slightly smaller in cross section than the pen and another such curved element smaller in cross section than the first named curved element and located farther from said axis than said first named curved element to secure a fountain pen on said rotor with the point of the pen remote from the axis of rotation of the rotor, and a driving connection for the rotor.

2,569,691
IMPEDANCE MEASURING
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 27, 1948, Serial No. 40,913
9 Claims. (Cl. 175—183)

1. An impedance measuring device comprising first and second vario-couplers each having a primary and a secondary winding, a pair of input terminals associated with said vario-couplers and adapted to be connected to a source of alternating voltage, means for connecting an impedance in circuit with the primary winding of

said first vario-coupler across said input terminals, a phase-shifting circuit in parallel with said input terminals and including (1) the primary winding of said second vario-coupler and (2) means for shifting the phase of a current in said phase-shifting circuit with respect to the



current in the primary winding of said first vario-coupler, a series-connected detector circuit including (1) the secondary windings of said vario-couplers and (2) means for detecting current flow in said secondary circuit, and means for supplying to said detector circuit a voltage determined by said impedance.

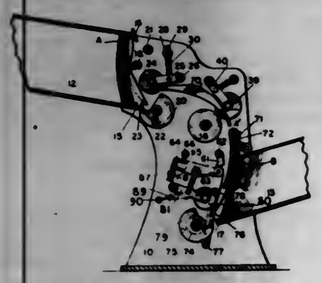
2,569,692

NEWSPAPER INSERTING MACHINE

Chauncey L. Rockwell, Portland, Oreg., assignor of one-half to The Oregonian Publishing Company, Portland, Oreg., a corporation of Oregon

Application October 8, 1949, Serial No. 120,242

14 Claims. (Cl. 270—57)



1. In a newspaper inserting machine of the character described, having a guideway for delivering folded inner newspaper sections to one portion of the machine with their folds at the bottom, and having a second guideway for delivering folded outer newspaper sections to another portion of the machine with their folds at the bottom, means for opening said outer newspaper sections one by one as delivered from said second guideway, and means for picking up said inner newspaper sections from said first mentioned guideway one by one and dropping each inner newspaper into an opened outer newspaper section, said latter mentioned means including a cam member mounted on a substantially horizontal axis for engaging each newspaper section of said first mentioned newspaper sections successively as these sections reach the delivery end of said first mentioned guideway, means for producing oscillating partial rotation of said cam member first in the direction causing said cam member to move the engaged face of the newspaper section upwardly and thus cause the bottom fold of the newspaper section to be pulled upwardly and inwardly in the machine, and then for producing return partial rotation of said cam member in the opposite direction, a pick-up cam with a cooperating squeeze roll, said pick-up cam mounted on a substantially horizontal shaft and means for rotating said shaft, said pick-up cam having a rim hook portion for carrying said inwardly pulled bottom fold of the newspaper section into engagement between said pick-up cam and said squeeze roll, whereby the engaged newspaper section will be moved along into the machine past said pick-up cam and squeeze roll, and synchronizing means connecting said cam member oscillating means and said pick-up cam shaft rotating means, whereby said return partial rotation of said cam member will take place when the engaged newspaper section is being pulled between said pick-up cam and squeeze roll.

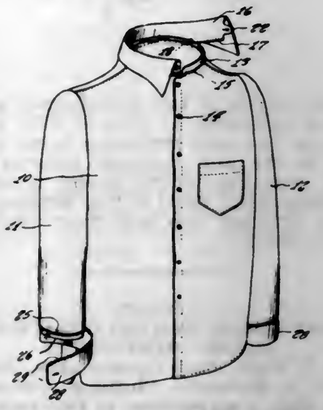
2,569,693

SHIRT EMBODYING A DETACHABLE COLLAR CONSTRUCTION

Eugene Sacchitella, New York, N. Y.

Application August 17, 1950, Serial No. 179,946

1 Claim. (Cl. 2—139)



A shirt comprising a body portion and a single neck band secured to the body portion and extending about a neck opening therein, a slide fastener element secured about the outside of the neck band below the upper edge thereof, a collar having an inner band portion and an outer flap portion and a slide fastener element connected to the lower edge of the band portion and engageable with the slide fastener element on the neck band, said slide fastener elements lying on the exterior of the neck band and being protected thereby against engagement with the neck of the wearer, and said slide fastener elements being concealed by the outer flap portion of the collar only.

2,569,694

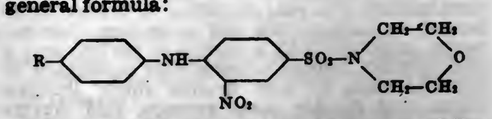
2-NITRODIPHENYLAMINE-4-SULFONMORPHOLIDES

Victor S. Salvin, Irvington, and John R. Adams, Jr., Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application July 14, 1949, Serial No. 104,795

6 Claims. (Cl. 260—239.6)

1. Diphenylamine dyestuffs of the following general formula:



wherein R is a member of the group consisting of hydrogen, alkyl, hydroxyalkyl, alkoxy, acylamino, and phenyl radicals.

2,569,695

TREATMENT OF FIBROUS MATERIAL AND PRODUCT RESULTING THEREFROM

John W. Schick, Camden, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 4, 1947, Serial No. 772,214

7 Claims. (Cl. 117—76)

1. A method of crush-proofing and waterproofing fibrous organic textile material which comprises immersing an organic textile material in an aqueous bath having dispersed therein about 10 to about 15 parts by weight of a nitrogenous phenolic resin per 100 parts by weight of aqueous medium, immersing said organic textile material in an aqueous 12 weight per cent formaldehyde solution, heating said organic textile material and said resin at about 115 to about 120° C., immersing the so-treated organic textile material in an aqueous about 3 to about 25 weight per cent solution of a nitrogenous heterocyclic resin, immersing the so-treated organic textile material in an alkaline aqueous solution containing about 5 to about 25 weight per cent formaldehyde, heating the so-treated organic textile material at about 110 to about 125° C. and washing the so-treated organic material; said nitrogenous phenolic resin having been prepared by reacting (A) a phenol, (B) formaldehyde and (C) a halide selected from the group consisting of hydrohalides of ammonia and substituted ammonia in the molal ratio of A:B:C=1:2–4:0.5–1; and said nitrogenous heterocyclic resin having been prepared by reacting (X) a compound having at least one nuclear hydrogen atom of pronounced reactivity selected from the group consisting of thiophenes, furans and pyrroles, (Y) formaldehyde and (Z) a halide selected from the group consisting of halide of ammonia and substituted ammonia in the molal ratio of 1 to 2:0.5 to 4:0.25 to 3.

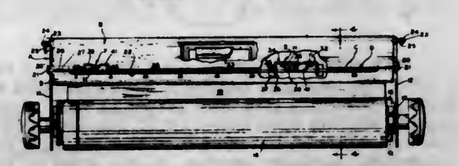
2,569,696

VISIBLE MARGIN-STOP SETTING MECHANISM FOR TYPEWRITERS

Frederick W. Schremp, Stamford, and Edward J. Yeo, Norwalk, Conn., assignors to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application July 5, 1950, Serial No. 172,038

4 Claims. (Cl. 197—63)



1. In a visible margin-stop setting mechanism for typewriting machines and the like, the combination of, a paper carriage; a paper table supported by the carriage having a slot-like aperture extended longitudinally thereof; a toothed supporting rack mounted within said carriage and in vertical alignment with said aperture; a margin-stop mounted for sliding movement on said rack; and manually operable means pivoted upon said stop including a lip adapted to normally engage selective teeth of said rack to lock the stop thereon, characterized by the fact that at least a portion of said manually operable means projects upwardly through said aperture and in front of said paper table whereby it can be grasped by an operator to free the stop and move it along the rack when adjustment of the stop relative to the rack is desired.

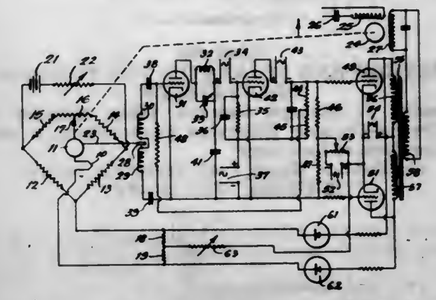
2,569,697

REVERSIBLE MOTOR CONTROL APPARATUS

Paul T. Semm, Batavia, and Robert T. Nakasone, Chicago, Ill., assignors to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois

Application June 1, 1948, Serial No. 30,337

10 Claims. (Cl. 318—28)



1. A measuring apparatus comprising a balancing electrical network, means responsive to a condition to be measured connected to the network to unbalance it upon a change in the condition, a device movable to rebalance the network, a reversible electric motor connected to the device to move it, a sensitive instrument connected to the network and responsive to unbalance thereof, a pointer connected to the instrument to be moved thereby, a pair of control circuits for the motor each including a winding and the windings having a common connection at one end, means responsive to movement of the pointer to control the windings, a pair of resistors in series having their outer ends connected to the other ends of the windings and their mid point connected to the common connection, and connections from the outer ends of the resistors to the network to impress a rebalancing voltage on the network when the control circuits are in dissimilar condition.

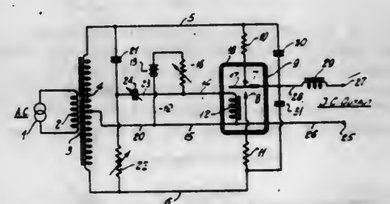
2,569,698

APPARATUS FOR CONTROLLING RECTIFIED VOLTAGE

Francis H. Shepard, Jr., Madison, N. J.

Application March 3, 1947, Serial No. 732,066

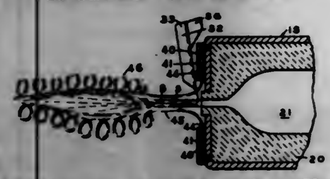
10 Claims. (Cl. 321—48)



1. Apparatus for inter-converting alternating current to an output current having a direct current component including in combination a relay having a pair of stationary contacts and a vibrating contact adapted to make alternate connection with the stationary contacts, means for supplying alternating potential to the stationary contacts, means including the vibrating contact for removing direct current, a choke coil connected in series on the output side of the

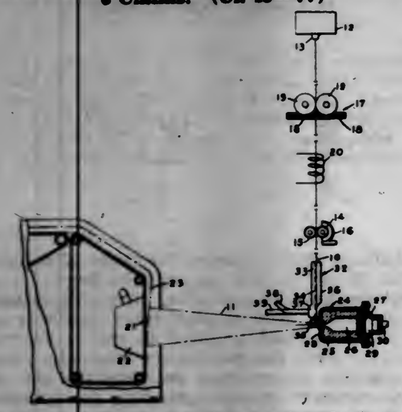
vibrating contact, means for vibrating the vibrating contact at the frequency of the alternating potential, phase-shifting means for shifting the phase between the vibration of the vibrating contact and the alternating potential through an angle greater than ninety electrical degrees to control the direct current component both in amplitude and polarity comprising a network having a capacitor and a resistor in series and means for varying the relative value of the resistance of the resistor with respect to the capacity of the capacitor.

2,569,699
METHOD AND APPARATUS FOR FORMING GLASS FIBERS
Charles J. Stalego, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application May 6, 1947, Serial No. 746,280
15 Claims. (Cl. 18—2.5)



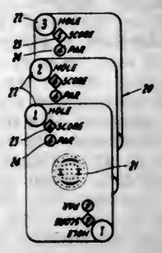
9. Apparatus for producing glass fibers comprising a burner having a chamber in which a combustible gaseous mixture is ignited and having an outlet opening restricted to discharge the products of combustion in the form of a blast having a temperature in excess of the melting temperature of glass and having a velocity sufficient to attenuate the molten glass into fibers, means for feeding a glass filament into the blast from one side at a point adjacent and outwardly of the outlet opening, and means at opposite sides of the outlet opening for discharging a combustible gaseous medium against the blast in the general direction of flow of the blast.

2,569,700
METHOD OF MAKING COLORED GLASS FIBERS
Charles J. Stalego, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application June 14, 1947, Serial No. 754,644
8 Claims. (Cl. 49—77)



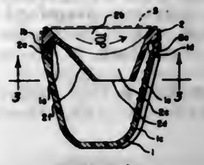
1. The process of making colored glass fibers which comprises producing a stream of molten glass, drawing out the stream into a fine solidified fiber, applying a coloring substance from a fluid dispersion thereof on the surface of the cold fiber, fusing the coloring substance on the fiber surface by the application of heat to provide an integral colored film on the surface of the fiber, and drawing out the colored fiber by the application of attenuating heat and forces thereto.

2,569,701
DECK OF PLAYING CARDS
George A. Thompson and Ralph Hagen, Los Angeles, Calif.
Application January 12, 1948, Serial No. 1,698
2 Claims. (Cl. 273—152.31)



1. A deck of cards, comprising a plurality of groups or suits of cards, each group comprising a plurality of individual cards bearing a common designation of a hole of a golf course and a common designation of par for the said hole, each card also bearing a designation of the strokes taken on the said hole, the said stroke designations being so apportioned among the cards of the group as to provide cards designating a plurality of different strokes.

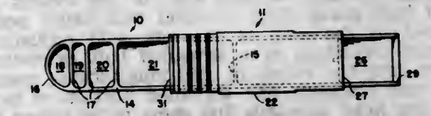
2,569,702
SPERM RECEPTACLE FOR ANALYSIS
Harold W. Warner, San Diego, Calif.
Application September 23, 1949, Serial No. 117,447
2 Claims. (Cl. 128—294)



1. In a receptacle of the class described, a cup, a cover for said cup, having a funnel portion extending into said cup, and provided with a converging portion open inwardly of the open end of said cup, said cup having a vent therein, said vent comprising a notch portion in the edge of said cup at its open end, said cover provided with a flange skirt extending over the edge of said cup, and having a notch adapted to coincide with the notch in said cup.

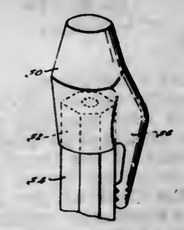
2,569,703
MEASURING SPOON
Jerome G. Weiland, Evanston, Ill.
Application January 27, 1951, Serial No. 208,113
4 Claims. (Cl. 73—429)

1. A measuring spoon for kitchen use, consisting of a receptacle and a combined cover, scraper and pusher; the receptacle consisting of a hollow, generally trough-shaped body, closed at one end and open at the opposite end, with an integral, transverse partition approximately midway between the ends; and the cover, scraper and pusher consisting of a generally flat body, long enough to cover the closed-end portion of the receptacle and wide enough to cover the width thereof, having integral flanges at the two sides, which are adapted to engage the outside of the receptacle so as to hold the two parts together while allowing them to be moved along



one another, and also having an integral, transverse extension depending from the end of its body into scraping contact with the inside of the receptacle between the partition and the open end; whereby one end of the cover, scraper and pusher is adapted to scrape over the top of the closed-end portion of the receptacle to level granular and powdered materials and the like, and the extension is adapted to push pasty material and the like out of the open-end portion of the receptacle.

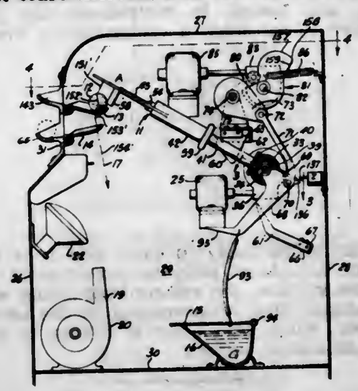
2,569,704
ERASER
Joseph G. Weiss, Detroit, Mich.
Application May 13, 1946, Serial No. 669,364
3 Claims. (Cl. 120—1)



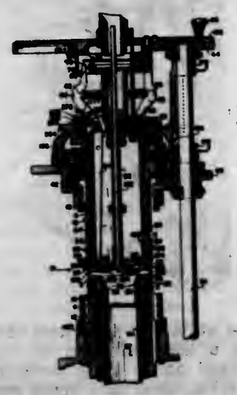
1. A rubber pencil eraser adapted to be mounted on a pencil and having a narrow elongated clip arm of rubber integrally formed thereon and adapted to extend longitudinally of and resiliently engage the pencil when said eraser is mounted thereon, said eraser providing the sole means of support of the clip arm on the pencil.

2,569,705
BALL PAINTING MACHINE
Stanley M. Briggs, Pacific Palisades, Frederick T. Driscoll, Inglewood, and Cloyd D. Smith, Santa Monica, Calif.
Application June 15, 1948, Serial No. 33,104
8 Claims. (Cl. 91—46)

1. In a ball painting machine, a plurality of ball carrying units each comprising a supporting shaft and a sleeve rotatably mounted thereon, means carried by said shaft and sleeve respectively for clutching a ball to be painted, an axially slidably but nonrotatable connection between said sleeve and shaft, a common shaft on which said supporting shafts are mounted for arcuate swinging movement between raised starting positions and lowered dipping positions, a paint reservoir positioned to receive the ball in said dipping position thereof; means for rotating said common shaft, means including said supporting shaft for transmitting rotation from said common shaft to the several sleeves, thereby to rotate the balls carried by said units, to prevent the formation of paint tears thereon, and means for transmitting to selected supporting shafts, swinging movement between said starting and dipping positions.



2,569,706
KNITTING MACHINE
Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application December 30, 1948, Serial No. 68,114. Divided and this application May 17, 1950, Serial No. 162,550
6 Claims. (Cl. 66—135)

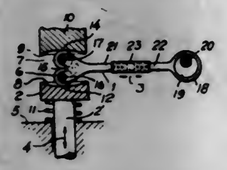


1. A knitting machine comprising a needle cylinder, needles carried by said cylinder, means carrying a wrap yarn for presentation to needles, a wrap horn about which the wrap yarn is drawn during a wrapping operation, and means mounting said wrap horn for universal adjustment.

2,569,707
MOTION MECHANISM
Olof Cardell, Detroit, Mich., assignor of one-half to Sven Goran Kihlberg, Hjo, Sweden
Application March 25, 1949, Serial No. 83,409
In Sweden February 22, 1949
9 Claims. (Cl. 74—44)

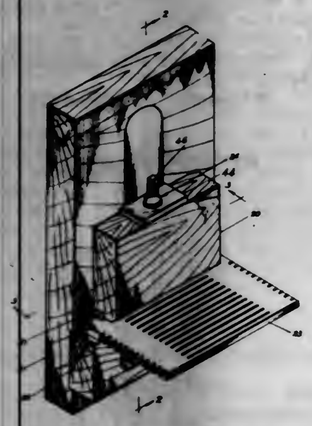
1. A motion-transmitting mechanism, comprising a primary member reciprocable in a certain main direction, a secondary member guided for reciprocation in a direction different from said main direction, a rolling body mounted in

the primary member and continuously engaging a surface on the secondary member, said surface being concave in a direction toward the rolling body, and means to reciprocate the primary member to establish a reciprocating movement



of said rolling body to each side of a neutral position coincident with the lowest point on said concave surface, the rolling body being adapted to transmit this reciprocation to the secondary member, when said body is rolling in contact with the curved surface.

2,569,708
SEALING STRIP FOR PULP AND OTHER TYPES OF SCREEN PLATES
Henry William Downs, Jr., Lennoxville, Quebec, Canada
Application March 26, 1947, Serial No. 737,398
1 Claim. (Cl. 92—30)



In a sealing strip for pulp and other types of screen plates, a unit adapted to hold a screen plate in position on a ledge secured along the inner wall of a vat, said unit being removably attachable to the wall of the vat and comprising a longitudinal member having a recess extending along the bottom face at the inner edge thereof and a packing strip located in the recess and projecting beyond the bottom face and the inner edge of the member, thereby providing the same with two working surfaces, and said packing strip being brought in direct contact with the top of the screen plate along its inner edge as positioned on the supporting ledge, effectively sealing the same with respect to the top surface of the screen and with the inner wall of the vat, locking means for maintaining said unit to the wall of the vat over the screen plate and an adjusting means on the longitudinal member of said unit adapted to be manipulated and co-act with the locking means for moving said unit slightly downward and inward to position said packing strip to the screen plate and against the wall of the vat, the said locking means comprising a lock plate mounted on the wall of the vat over an aperture therein, the lock plate having cutout therein three side edges of which protrude inwardly, a tapering or wedge shaped portion being formed on the other side of the cutout and extending upwardly, a locking head slidably located in a recess formed in the rear face of said longitudinal member of said unit and having a vertical threaded portion and an outwardly extending and upwardly formed lip portion adapted to engage the said tapered edge of the cutout in said lock plate upon the said unit being positioned to the wall of the vat, said adjusting means consisting of a threaded bolt extending down into the recess in said longitudinal member and engaging the threaded portion of said locking head adapting the same to be raised to bring the lip portion of the locking head into locking engagement with the tapering side section of the cutout in the lock plate thereby effectively locking said unit to the wall of the vat and at the same time acting to move said unit slightly downward and inward towards the wall of the vat against the same and the screen plate.

2,569,709
METHOD OF MAKING A FLEXIBLE WOOD FLOOR COVERING
Armin Eimendorf, Winnetka, Ill.
Application October 16, 1946, Serial No. 703,459
2 Claims. (Cl. 144—309)

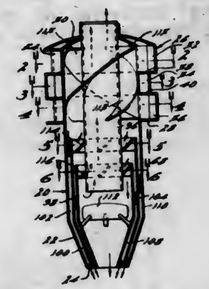


1. The method of producing a floor tile, which comprises removing enough wood fibers by cutting through at least one face of a thin wood board along two groups of parallel lines extending from edge to edge of the board, with the lines of one group extending across the wood grain and crossing the lines of the other group, to form grooves of substantial widths and a reduction in thickness of the board to a web-like form along such lines, applying to the board, transversely of and crossing planes that are at right angles to said face and extend lengthwise of and intersect said grooves, a yieldable material to tie together the wood sections on opposite sides of each of the latter grooves, then bending the board to break it along the cuts that extend across the grain of the wood and thereby create jagged intermeshing meeting edges along the bottoms of such cuts.

2,569,710
FLY ASH PRECIPITATOR
Stephen L. Fitzpatrick, Detroit, Mich.
Application May 29, 1948, Serial No. 30,080
2 Claims. (Cl. 183—80)

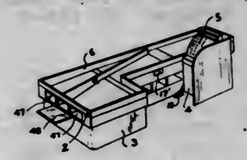
1. A precipitator comprising a housing having a passage and provided with an inlet and an outlet at opposite ends of said passage, circumferentially spaced inner and outer annular walls at the inlet portion of said passage, said inner and outer walls being provided with corresponding openings which are circumferentially out of alignment with each other so that gases entering the passage through the opening in said outer wall must travel in an arcuate path through the annular space between the inner and outer walls before entering the passage through the opening

in said inner wall, radial partitions dividing said annular space, one partition being provided for each opening in said outer wall, and said partitions collectively dividing the annular space into



compartments each of which is provided with one opening in the outer wall and one opening in the inner wall, and means within said passage for removing solid particles from gases traversing said passage.

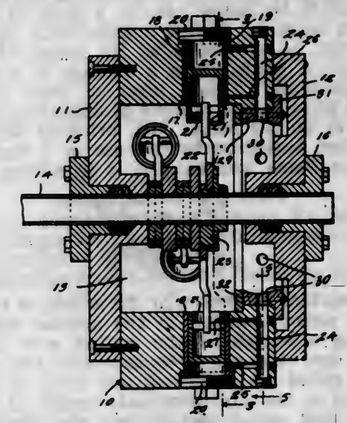
2,569,711
CONVEYER AND SWITCH MEANS FOR CHECKOUT COUNTERS
Allan D. Foster, Detroit, Mich.
Application August 23, 1950, Serial No. 180,993
8 Claims. (Cl. 198—68)



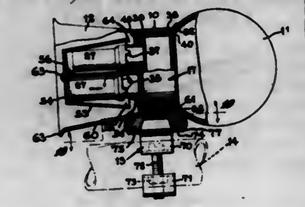
1. In a checkout counter, a support, a pair of conveyors alined thereon horizontally with each other, a fixed bridging plate between said conveyors, means for driving one of said conveyors continuously, a receiving floor at the discharge end of the first named conveyor, a partition dividing the surface of said floor into two areas, a pivotally mounted deflector attached to said partition and extending to said plate, and operator controlled means for driving the other conveyor.

2,569,712
PISTON TYPE FLUID BRAKE
John C. Foster, Sr., John Henry Biggs, and John C. Foster, Jr., Odessa, Tex.
Application July 14, 1949, Serial No. 104,762
4 Claims. (Cl. 188—91)

1. A fluid brake comprising a stationary housing, a shaft journalled through said housing, said housing being formed with a plurality of radially disposed cylinders, pistons slidable in said cylinders having apertured skirt portions, means connecting said pistons with said shaft for reciprocation of said pistons, said housing being formed with a chamber about said shaft and also formed with passages communicating the outer end portions of said cylinders with said chamber, transverse passages communicating with said outer end portions and with inner end portions of said cylinders for registry with said apertured skirt on movement of the piston thereof past a given point, an annular valve member rotatably carried by said housing formed with ports adapted for registry with said passages, and means for adjusting said valve member to regulate a partial flow of fluid from said cylinders to said chamber.



2,569,713
SOUND CREATING DEVICE
Walter A. Garratt, Covington, Ky., assignor to Philip G. Vondersmith, Covington, Ky.
Application July 2, 1948, Serial No. 36,712
11 Claims. (Cl. 116—137)



1. A sound creating device comprising; a resonator, a resonator head, a vibrant disc formed of a sheet of rubber or the like secured between said resonator and resonator head, said resonator and resonator head including aligned openings constituting air passageways, said vibrant disc including openings co-axial with the aligned openings in the resonator and resonator head, air delivery channels formed within the resonator and communicating with the respective air passageways in the resonator, means for creating air flow through said air delivery channels, valve elements disposed against the margins of the respective openings in the vibrant disc on the side opposite to the side into which the air is delivered, means for urging said valve elements against the vibrant disc, amplifying tubes secured to said resonator head for continuing the air passageways therefrom, and means for individually adjusting the respective lengths of said tubes.

2,569,714
STRAIN GAUGE
William C. Gregory, Los Angeles, Calif.
Application March 12, 1945, Serial No. 582,288
6 Claims. (Cl. 201—63)

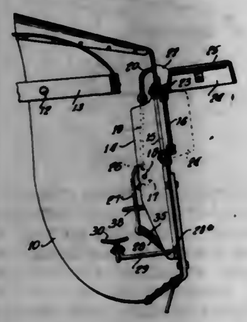
1. A method of forming a high temperature strain gauge assembly for use on a metal part comprising, coating a length of resistance wire with a discontinuous substance melting at a tem-

perature higher than that to which the metal part is to be raised, and having substantially the same coefficient of expansion as the metal of the part to be tested, placing a layer of discontinuous material, having substantially the same coefficient of expansion as the metal of which the part is made, upon a surface of said part and including in said layer at least ¼% by weight of an agent capable of dissolving the oxide layer on the metal part, bringing said layer of molten condition by the use of a high temperature flame and causing it to adhere firmly



to the surface by reason of the action of the dissolving agent included in the ground material, encasing a length of the coated wire in said molten layer but out of contact with the surface of said metal part, allowing said layer of molten material to cool and bond said length of coated wire to said metal surface and also electrically insulate the wire attaching lead wires to said resistance wire, and providing the resistance wire and lead wire in the area of the joint between them, with a protecting shield of material resistant to high temperatures.

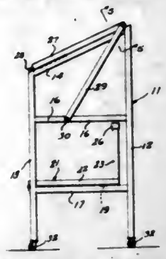
2,569,715
WELDER'S HOOD
Howard H. Green, Bardwell, Tex.
Application April 25, 1949, Serial No. 89,398
4 Claims. (Cl. 2—8)



3. In a welder's hood having a sight opening, a window hinged to overlie said opening, a rotatable cam having diametrically opposed shoulders on its periphery, an arm having its upper end formed into a hook adapted for alternate engagement with said shoulders to rotate said cam, a crank on which said cam is mounted, a link effecting connection between said crank and said window to open and close the latter at each half revolution of said cam, spring means resisting rotation of said cam to hold said window in open and closed positions and means operated by the chin for reciprocating said arm to actuate said cam.

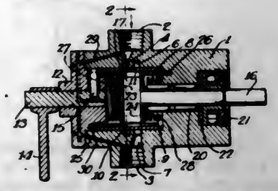
2,569,716
MOBILE PARTS ORDER PAD HOLDER
Blaine W. Hawk, Sharpsville, and Frank S. Shannon, Sharon, Pa.
Application November 19, 1948, Serial No. 61,004
3 Claims. (Cl. 211—2)

1. A convertible support device comprising an upstanding frame structure including a pair of spaced side frames and cross bars extending between said side frames and secured thereto, a tray positioned upon the top of said side frames, a step member disposed intermediate said side frames contiguous to the lower end thereof and mounted on the latter for movement about an axis extending transverse of said upstanding frame from a retracted position to an extended



position with respect to said upstanding frame, and a link positioned exteriorly of each of said side frames having one end pivotally connected to said tray and having the other end pivotally connected to the adjacent one of said side frames for mounting said tray for movement from its position of support on the top of said side frames to a position of support on said step member when the latter is in its extended position.

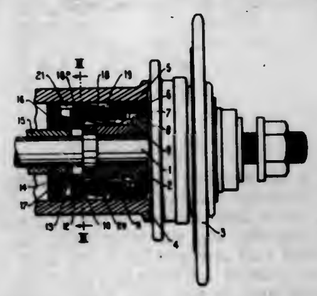
2,569,717
REVERSIBLE VARIABLE VOLUME PUMP
James W. F. Holl, Los Angeles, Calif.
Application January 15, 1946, Serial No. 641,274
3 Claims. (Cl. 103—3)



1. A variable volume pump comprising a housing, said housing having a bore therein and a pair of ports extending into said housing, said housing having a pair of arcuate grooves in the bore and extending transversely of the housing, one of said first named ports opening into one of the grooves and the other first named port extending into the other groove, a sleeve rotatably mounted in said bore, said sleeve having a pair of ports, one of the ports being in alignment with one of the grooves and the other port being in alignment with the other groove, a control shaft extending into the housing, and a pin fitted into the shaft and into the sleeve whereby said sleeve may be manually rotated, and a rotor mounted within the sleeve, blades projecting from the rotor, the periphery of said rotor being formed with flat faces.

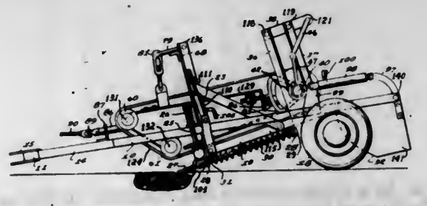
2,569,718
BACK-PEDALING BRAKING HUB
Johannes C. Hooykaas, The Hague, Netherlands, assignor to Fijn-Mechanische Industrie "Becker's Sons" N. V., The Hague, Netherlands
Application May 31, 1949, Serial No. 96,196
In the Netherlands June 25, 1948
3 Claims. (Cl. 192—6)

1. A back-pedalling braking hub provided with a freewheel and comprising, in combination, a non-rotary shaft, a driving member having a threaded cylindrical portion and being rotatably mounted on said shaft, a wheel hub surrounding said shaft and being rotatably supported by said shaft and said driving member, a clutching member screwed on the threaded portion of the driving member and adapted to be axially displaced by the relative rotation of said threaded portion, a slip coupling permanently interconnecting said clutching member and an axially slidable non-rotary member, radially resilient means pressing the cooperating friction surfaces of said slip coupling to one another, some of said friction surfaces being formed on the faces of an annular



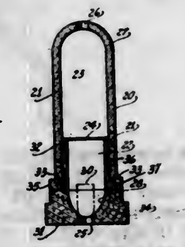
groove formed in one of said permanently interconnected members and the remaining friction surfaces being formed on individual friction shoes formed as ring segments snugly fitting said groove and being held in place by said radially resilient means, which are supported by the other of said permanently interconnected members, and a brake mounted inside the wheel hub, said clutching member being screwed towards the driving member on forward rotation of the latter thereby establishing a coupling between said driving member and the wheel hub, but being unscrewed from the driving member towards the brake on backward rotation thereby actuating the brake.

2,569,719
STONE PICKER
Henry J. Huhne, Melrose, Minn.
Application December 16, 1949, Serial No. 133,308
3 Claims. (Cl. 55—17)



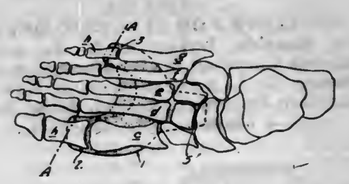
1. In a stone picking machine including a wheel supported frame, a platform disposed within and supported by said frame in a forwardly and downwardly inclined position, a conveyor mounted on said frame and disposed immediately above said platform, conveyor driving means carried by said frame, and a receptacle carried by said frame at the rear end of said platform to receive stones moved along said platform by said conveyor, apertured brackets disposed below said platform and extending transversely thereof, one near the front and one near the rear end of the platform, rod-like fingers slidably mounted in said brackets and disposed in spaced apart and substantially parallel relationship below said platform with their forwardly disposed ends projecting beyond the front end of said platform, springs connected one between each of said fingers and one of said brackets resiliently urging said fingers in a forward direction relative to said brackets and said platform, and limit stops carried one by each finger and engaging one of said brackets to limit the spring induced forward movement of said fingers relative to said brackets.

2,569,720
MEDICINAL INHALER
Charles J. Jeanig, Newtown Square, Pa., assignor to Package Devices, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1949, Serial No. 82,783
3 Claims. (Cl. 128—206)



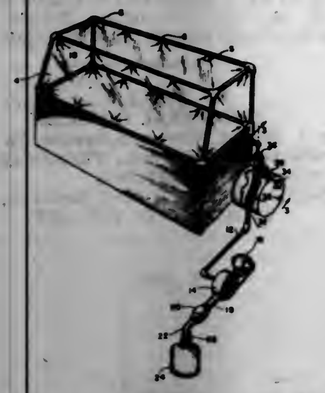
2. An inhaler for medicinal powder, comprising a body having an injection chamber and an air inlet and outlet in communication therewith, and a light container in the chamber having an opening to dispense a portion of its contents as it moves, movable in an air stream and having a maximum container dimension sufficiently less than the width and less than the height of the container so that the container is free to turn over and over, whereby the container is free to tumble and discharge its content into the air stream.

2,569,721
FOOT SUPPORT
Edward H. Juers, Red Wing, Minn.
Application May 16, 1949, Serial No. 93,467
5 Claims. (Cl. 36—71)



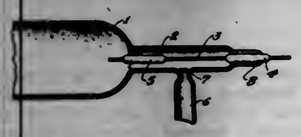
2. A supplementary supporting member adapted to be secured within a shoe to overlie the intermediate portion of the sole thereof, said member having spaced generally forwardly-extended fingers and a transverse connecting portion, said fingers when properly positioned adapted to terminate substantially on a line coincidental with the axis of plantar flexion of the second, third, and fourth metatarsals of the foot of the wearer, the connecting portion of said supporting member adapted to underlie the intermediate portion of the second, third, and fourth metatarsals, said finger being of greater thickness than said transverse connecting portion.

2,569,722
VACUUM INSECT ERADICATING DEVICE FOR SHOWCASES
Clarence O. Knox, Seattle, Wash.
Application September 2, 1947, Serial No. 771,761
3 Claims. (Cl. 43—139)



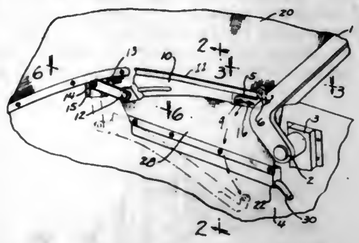
1. A vacuum insect eradication device, consisting of: an interconnected tubular frame adapted to fit into an insect control area with the tubular members disposed in the corners thereof; there being directed intake orifices disposed at each intersection of said tubular members; there being inwardly directed intake orifices disposed on certain of the longitudinal tubular members; a vacuum pump; drive means for said vacuum pump; a vacuum accumulator including a tank disposed intermediate said tubular frame and said vacuum pump; said tank having inlet and outlet openings and another opening adjacent said inlet opening, an inlet tube on said accumulator and provided with a check valve for said inlet opening, a spring for seating said valve, a diaphragm closing the adjacent opening, said diaphragm having means secured thereto for opening said valve when the tank is under a predetermined degree of vacuum; a discharge pipe extending from said vacuum pump; a gravity check valve in said pipe; and a pervious receptacle at the end of said pipe adapted to collect and retain insects.

2,569,723
ENVELOPE FOR ELECTRIC DEVICES
Albert Koerbis, Irvington, N. J., assignor to Hanovia Chemical & Manufacturing Company, Newark, N. J., a corporation of New Jersey
Application December 14, 1950, Serial No. 200,729
4 Claims. (Cl. 313—182)



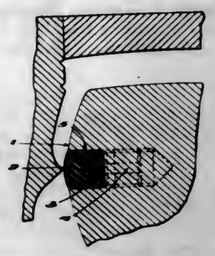
1. The method of manufacturing an hermetically sealed envelope of vitreous material for an electrical device comprising the steps of sealing an elongated portion of said envelope around a lead-in wire, providing a tube on said elongated portion, filling said envelope with an ionizable medium through said tube, sealing off said tube, and forming a second seal around said lead-in wire at a location between said tube and the main portion of said envelope.

2,569,724
CONVERTIBLE FOLDING TOP WITH AUTOMATIC SEAL AT REAR QUARTER
Harry A. Mackie, Birmingham, and Stanley Duluk, Dearborn, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 12, 1949, Serial No. 109,974
10 Claims. (Cl. 296—107)



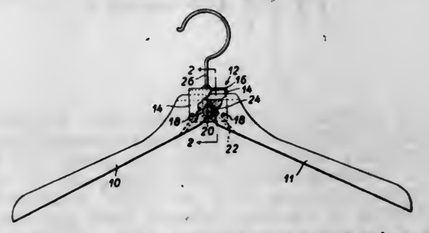
10. In a convertible automobile body, a fixed side wall member having at the top a belt rail, a swinging main bow mounted on said wall member, a collapsible top movable with the bow between raised and lowered positions and including at the rear quarter foldable top material fastened at its lower end to the side wall member below the belt rail and arranged when the bow is raised to extend upwardly beside the belt rail and beyond the same, a deformable element effective to afford a weatherproof seal positioned between the adjoining surfaces of the belt rail and the foldable top material when the bow is raised, and a pressure arm movably connected with the bow for cooperative relation with the belt rail to squeeze the deformable element therebetween for a tight joint.

2,569,725
VULCANIZATION LAST
Josef Mašek, Zlin, Czechoslovakia, assignor to Bata, Narodni Podnik, Zlin, Czechoslovakia
Application January 20, 1948, Serial No. 3,195
In Czechoslovakia January 20, 1947
2 Claims. (Cl. 18—46)



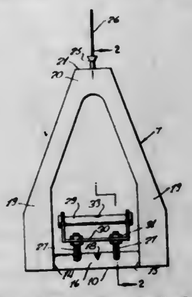
2. In a vulcanization last adapted for the manufacture of footwear and having concavely curved portions intermediate the toe and heel portions thereof, said last provided with an endless groove of rectangular cross section in the side thereof extending around the toe and heel portions and along the intermediate concavely curved portions thereof, a removable elastic cutting strip of rectangular cross section seated in said groove under compression between the side walls thereof and extending throughout the length thereof, a plurality of channel shaped metallic retainer elements disposed along the portions of the length of said cutting strip occupying the portion of the groove along the concavely curved portions of the last and embracing the bottom and sides of said cutting strip and seated in said groove with the side walls thereof frictionally engaging the side walls of the groove, the longitudinal edges of the side walls of said channel shaped retainer elements having inturned flanges retained in gripping relation with the sides of said cutting strip by the compression thereof between the sides of said groove.

2,569,726
COLLAPSIBLE GARMENT HANGER
John B. McPherson, Abington, Pa., assignor, by direct and mesne assignments, of one-half to Lester B. Meyerhoff, Elkins Park, Pa., and one-half to Natalie R. Meyerhoff, Elkins Park, Pa.
Application June 14, 1947, Serial No. 754,673
2 Claims. (Cl. 223—94)



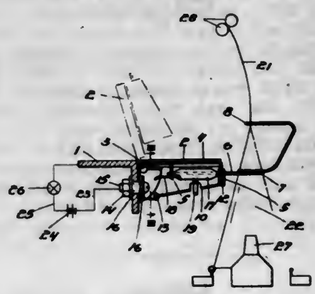
1. A collapsible garment hanger having oppositely disposed rigid arms, an inverted U-shaped member straddling the adjacent ends of the arms, means for pivotally connecting the straddled ends of both arms to the U-shaped member, a helical torsion spring, a horizontally disposed core member secured to the U-shaped member and passing through and supporting said spring, the ends of said spring abutting respectively against said arms so as to bias them upwardly continuously and a supporting hook connected to the U-shaped member.

2,569,727
PAPER HANGER'S PLUMB BOB
John H. Mehaffey, Metuchen, N. J.
Application September 9, 1949, Serial No. 114,874
3 Claims. (Cl. 33—210)



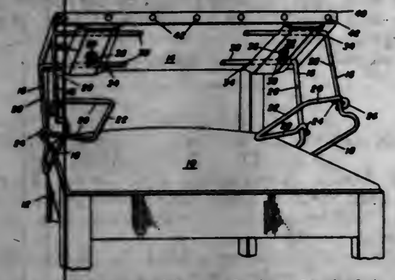
1. A paper hanger's plumb bob comprising a plumb bob body comprising a horizontally-elongated base and laterals rising from the opposite ends of said base, an apex joining the upper ends of said laterals, an element on said apex for suspending said body relative to a vertical wall, a level mounted on said body above and parallel to said base and having a bubble indicator, said base being formed with a central notch for marking a perpendicular vertical on the wall when said body is positioned with said notch aligned with the bubble indicator of said level, said apex being formed with a threaded recess opening through its top having a clamping ring threaded therein, said element comprising a vertical member rising through said ring to which a cord is attachable, a disc base on the lower end of said member smaller in diameter than and engaging the bottom of said recess and movable edgewise in all directions in said recess to perpendicularly align said member with said notch, said ring being arranged to be screwed down upon said base to hold said element in adjusted position.

2,569,728
THREAD FEELER DEVICE IN SPINNING AND TWISTING MACHINES
Bertil Melin, Norrkoping, and Harry Jeppson, Malmo, Sweden, assignors to Instrumentfirman Inor, Alfred Brakl, Malmo, Sweden, a trading firm of Sweden
Application September 5, 1950, Serial No. 183,144
In Sweden December 2, 1949
1 Claim. (Cl. 57—81)



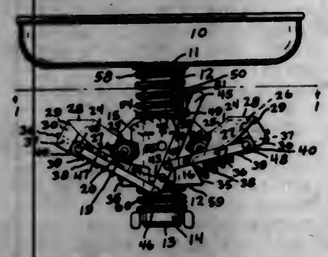
A thread feeler device in spinning and twisting machines in which feed rollers deliver a thread to a spindle, comprising an element disposed between the feed rollers and the spindle, guide loop means on said element for guiding the thread between the feed rollers and the spindle, a metal flap, metal hinge means mounting said metal flap on the metal frame of the machine for swinging movement from an approximately horizontal operational position to a lifted position, metal bearing means on said flap, a metal shaft journalled in said bearing means and being substantially horizontal when said flap is in its operational position, said shaft mounting said element on the machine, when said flap is in its operational position, swingably around an approximately horizontal axis located in a thread guiding position of said guide loop means and said element, below the point of gravity of said element, said guide loop means engaging the thread at least at one point vertically spaced from the horizontal plane through said point of gravity of said element, contact arms on said shaft, a metal part carried by said flap but electrically insulated therefrom, said contact arms singly engaging said metal part on swinging of said guide loop means from its thread guiding position and thereby rocking of said shaft in said bearing means, a contact means carried by but electrically insulated from the metal frame of the machine, said metal part resting electrically conductingly against said contact means in the operational position of said flap, an electric power source, conductor means extending an electric circuit from said power source to said contact means and to the metal frame of the machine, and electric indicator means connected to said conductor means to make an indication when one of said contact arms engages said metal part on breakage of the thread when said flap is in its operational position.

2,569,729
CHILD'S ADJUSTABLE SEAT
Elton Lewis Neld, Detroit, Mich.
Application January 28, 1948, Serial No. 4,791
4 Claims. (Cl. 155—131)



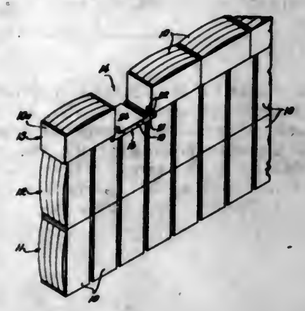
1. In a child's auxiliary chair adapted to rest on the seat of an adult's chair, the combination of a seat body, paired legs depending from the lateral portions of said seat body, the lower portion of each leg being adapted to engage an adult chair seat, the upper portion of each leg providing a right angle inward extension adapted to underlie the seat body, pivotally adjustable clamping means for clamping each of said right angle extensions to the underside of said seat body in positions pivotally adjusted about a vertical pivot axis, each right angle extension being adjustable radially of said pivot axis upon loosening said pivotally adjustable clamping means.

2,569,730
TRACTOR SEAT
Edward M. O'Donnell, Galva, Iowa
Application July 26, 1947, Serial No. 763,771
2 Claims. (Cl. 155—121)



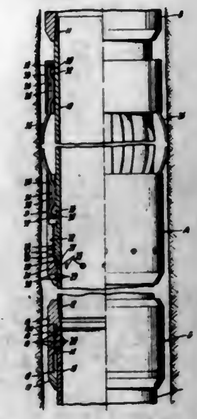
1. A tractor seat comprising a supporting framework, a seat member including a vertical plunger attached thereto, a spring receiving said plunger, means for adjustably tensioning said spring, a carriage member receiving said plunger, means for suspending said carriage member within said framework to provide oscillation of the seat member laterally, including a pair of spaced race-ways attached to said framework, rollers received in said race-ways, said rollers being attached to said carriage member, compression springs bearing against said carriage member and against the framework, said race-ways being substantially of an arcuate configuration to cause said rollers to travel in an arc therein, means for adjustably tensioning said compression springs to provide for varied weights of occupants of said seat member, including levers bearing against said compression springs, links attached to said levers, a control lever attached to said links whereby movement of said control lever will compress or release said compression spring, means for attaching said supporting framework to standard seat supports.

2,569,731
BOX LOAD SUPPORT
Harold C. Pierce, Pomona, Calif.
Application July 25, 1947, Serial No. 763,691
10 Claims. (Cl. 105—369)



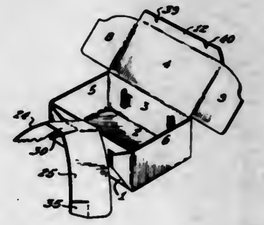
1. A stabilized boxed produce load including oppositely positioned pairs of boxes spaced apart horizontally and supported on a lower tier of boxes vertically alined with said pairs in one direction and presenting horizontal surfaces at the bottom of the space between them, and brace means for maintaining said pairs of boxes in spaced relation, said brace means comprising a pair of spaced box engaging elements each engaging one pair of boxes and downwardly offset means maintaining said elements in said spaced relation, said downwardly offset means being positioned between adjacent walls extending in said one direction of boxes in said lower tier.

2,569,732
SIDE PORTED CASING APPARATUS FOR CEMENTING WELLS
Thomas M. Ragan, Downey, Calif., assignor to Baker Oil Tools, Inc., Vernon, Calif., a corporation of California
Application February 24, 1947, Serial No. 730,311
11 Claims. (Cl. 166—1)



1. Apparatus of the character described, including a tubular body adapted to form part of a casing string positionable in a well bore, said body having a lateral port, a sleeve threaded on said body and movable therealong to positions opening and closing said port, a casing centralizer secured to said sleeve for resisting rotation of said sleeve, said centralizer comprising outwardly bowed springs engageable with the wall of the well bore, whereby rotation of said casing string from the top of said well bore rotates said body and effects longitudinal threading movement of said sleeve along said body to selectively open or close said port, and a tubular swivel connected to the lower end of said body.

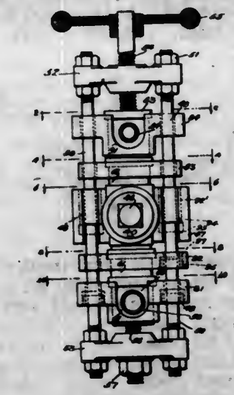
2,569,733
CARTON FOR INCANDESCENT LAMPS
William A. Ringler, Wayne, Pa., assignor to The Gardner Board and Carton Co., a corporation of Ohio
Application October 24, 1947, Serial No. 781,922
2 Claims. (Cl. 229—42)



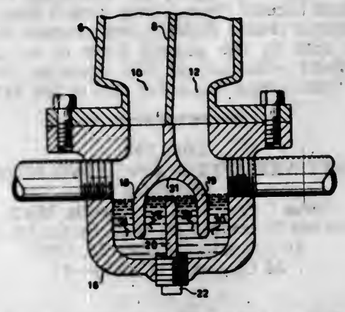
1. A one-piece paperboard structure for the purpose described comprising a front wall, a bottom wall, a rear wall, and a top wall in articulation in the order named, end walls articulated to the ends of the bottom wall, tuck flaps articulated to the side and front edges of the top wall, means holding the bottom, front, rear and end walls in erected condition to provide a carton for incandescent lamps, and a partition structure having a central portion and extending wings demarked from said central portion by substantially parallel score lines, said central portion being articulated to the top edge of said front wall centrally thereof, said extending wings being of a depth equal to the depth of said side and end walls and extending in operative position from the front wall to the outer edges of the rear wall, and tab members formed by slits in said central portion of said partition structure and at the ends of said wings, said tab members being foldable to engage the bases of incandescent lamps arranged in nestled relationship in said carton.

2,569,734
VALVE AND PUMP
Royal Bartlett Saalfrank, Gulfport, Fla., assignor to Milton Roy Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 15, 1948, Serial No. 65,356
6 Claims. (Cl. 103—228)

1. In a pump and valve assembly, walls forming a pump cylinder having inlet and outlet ports opposite to one another, check valve units having check valves opening in the direction of flow arranged respectively at the inlet and outlet ports, an inlet header unit arranged at the inlet side of the first inlet valve unit, an outlet header unit arranged at the outlet side of the last outlet valve unit, there being pressure seals among the succession of the inlet header, inlet valve unit, cylinder, outlet valve unit and outlet header, wing supports for the valve units and headers, and a clamp extending on opposite sides of both headers and bringing pressure on the headers toward one another to compress the seals, the clamp having tension rods, and there being quick opening connections between the tension rods and the wing supports.

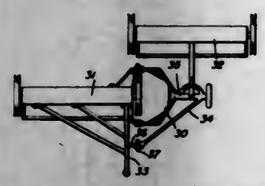


2,569,735
STEAM CIRCULATOR
Joseph Seligman, Philadelphia, Pa., assignor to Philadelphia Metal Drying Form Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 7, 1948, Serial No. 53,301
2 Claims. (Cl. 257—254)



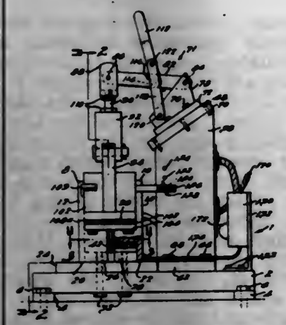
1. A steam circulator adapted for use in a steam drying apparatus including a series of steam circulators joined by connecting lines and each having a drying form mounted thereon, said steam circulator comprising a chamber the walls of which contain a bore for the admission of a steam supply, a bore for the discharge of steam exhaust, a bore providing steam supply into the drying form mounted thereon and a bore allowing steam return out of the drying form, a central baffle extending upward from the bottom of the chamber, and an inverted U-shaped baffle extending from between the bores serving the drying form on the top of the chamber downward on either side of the central baffle, said central baffle and said U-shaped baffle extending transversely of the chamber between the steam supply port and the steam discharge port, said inverted U-shaped baffle forming a domed chamber for retaining trapped air, said central baffle, said U-shaped baffle and the sides of the chamber forming walls of passages providing a double seal bypass past the drying form through which condensate water passes flowing from the steam supply port to the steam discharge port.

2,569,736
MULTIPLE-DRILL TRACTOR HITCH
Virgil B. Snyder, Washtucna, Wash.
Application April 7, 1948, Serial No. 19,609
1 Claim. (Cl. 280—33.44)



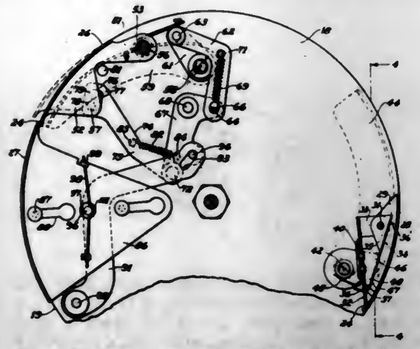
In a main trailer type farm implement including a frame, a hitch connecting an auxiliary implement to the main implement and comprising a Y-shaped frame including a forked inner end and an arm at its outer end at the center of the forked end, means pivotally connecting the forked end of the second frame to one side of the main implement frame for vertical swinging movement of the hitch into and out of position on top of the main implement, a stub axle at the outer end of the arm substantially co-planar therewith and having a wheel journaled thereon, a drawbar for the auxiliary implement attached to the arm of the second frame at a point between the forked portion and the axle, a brace fixed at one end to the arm at a point outwardly of the drawbar and inclined in a forward direction, and means pivotally attaching the outer end of the brace to the frame of the main implement at a point forwardly of the second frame for swinging the brace with said second frame, said forked inner end of the second frame distributing stresses subjected to the arm by the pulling force of an auxiliary implement attached to the drawbar, and said brace reinforcing the outer end of the arm.

2,569,737
MECHANISM FOR APPLYING BRAKE LININGS
John I. Spanich, Plymouth, Mich.
Application December 10, 1949, Serial No. 132,247
In Canada October 25, 1948
24 Claims. (Cl. 154—1)



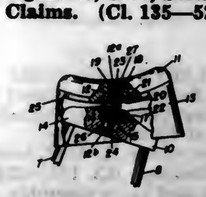
1. In a mechanism of the character described, a base member, a heater element, a housing for said element having an outwardly facing surface corresponding in contour to the surface of a first element to be placed thereover, a rigid downwardly opening arcuate yoke, a flexible member adapted to engage and conform to the adjacent contour of a second element which is to be cemented to the first element, said flexible member being secured to the opposite end portions of said yoke, and a spring member operatively connected to exert a force between said yoke and said flexible member for controlling the force imparted to said flexible member by said yoke, and mechanism exerting a reactive force on said base member for applying a force to said yoke whereby said flexible member is operable to clamp the elements together and to said housing.

2,569,738
CLAMP MEANS FOR DUPLICATOR CYLINDERS
Paul A. Stephenson, Evanston, Ill., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois
Application January 11, 1949, Serial No. 70,299
8 Claims. (Cl. 101—415.1)



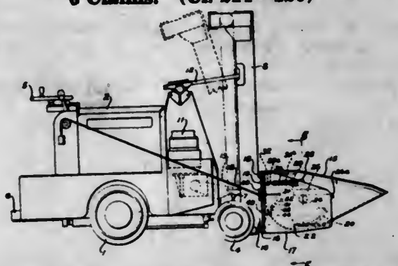
3. Stencil clamping means for a duplicator cylinder comprising a clamp member pivotally mounted on the cylinder, actuating pins fixed to said clamp member, spring means urging the clamp member toward open position, and linkage means for forcing the clamp members toward closed position, said linkage means including spring-biased links each having spaced notches adapted to engage one of the actuating pins, one of said notches corresponding to partially open position and the other corresponding to clamping position of said clamp member.

2,569,739
SWIVELING ROCKER CRUTCH
Knute G. A. Thunberg, San Diego, Calif.
Application August 26, 1947, Serial No. 770,740
5 Claims. (Cl. 135—52)



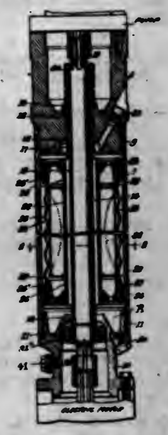
5. In a swivelling rocker crutch, the combination of a rounded head having a metallic socket centrally located therein; an arm rest with an arcuate shaped bottom having a metallic socket therein registering with the socket of said head; a single helical spring the convolutions of which are firmly seated in said sockets with looped ends extending through the bottoms thereof and being firmly secured to both said head and rest and permitting said rest to rock and swivel solely upon said spring and out of contact with said head, and a skirt secured to the edge of said rest and depending therefrom and guarding the working parts of said spring and serving to protect the clothing of the user from contact therewith.

2,569,740
SCOOP MECHANISM FOR TRUCKS
Edward J. Abbe, Cleveland Heights, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a corporation of Ohio
Application September 7, 1946, Serial No. 695,343
6 Claims. (Cl. 214—120)



1. A truck for handling loose material comprising a tiltable frame mounted on the truck, a carriage mechanism operably mounted on the tiltable frame to traverse the frame, a rocker dump body operably mounted on the carriage mechanism to be raised and lowered therewith, a latching mechanism for latching the dump body in a load carrying position on the carriage, said dump body being in the form of a scoop adapted to be advanced into a pile of material to scoop up a load consequent to a maneuvered movement of the truck, and rack and gear mechanism connecting the body to the carriage whereby the center of gravity of the dump body is disposed toward the load receiving end of the body to cause the scoop end of the body to swing downwardly when unlocked from the carriage mechanism.

2,569,741
PROTECTING UNIT FOR OIL FILLED SUBMERGIBLE MOTORS
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application February 9, 1950, Serial No. 143,269
19 Claims. (Cl. 172—36)



1. In a protecting unit for an oil filled, electric motor assembly adapted to be submerged in a surrounding well fluid for driving a pump located above, and including a casing, a vertical motor and motor shaft extension concentrically disposed in said casing, and a closed reservoir in said casing surrounding said shaft extension above said motor, for containing a protecting and lubricating medium; means to compensate for expansion and contraction of said medium, incident to starting and stopping said motor, said means comprising at least one collapsible element disposed in said reservoir and defining therein, two laterally separated pressure zones, extending longitudinally substantially from end to end of said reservoir, the zone on one side of said element being in communication with the medium in the reservoir and the zone on the other side of said element being in communication with the fluid surrounding said casing, whereby said element is responsive to variations in the pressure differential of said fluid, so as to permit the entrance into one of said pressure zones, of a volume of fluid equal to the volume of medium lost from said other zone by contraction of said medium and to thereafter expel a proportionate volume of said fluid on expansion of said medium.

2,569,742
SAFETY BATHING JACKET
Charles Henry Austin, Tarrant, Ala.
Application March 3, 1948, Serial No. 12,720
2 Claims. (Cl. 9—20)



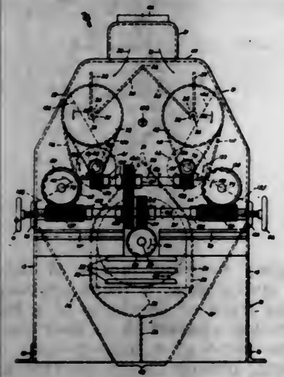
1. A safety bathing jacket of the character described comprising; a front portion shaped to fit over the front of the torso of a human body, a back portion shaped to fit over the back portion of the torso of a human body, a plurality of horizontal oblong closed pockets in the front portion of the jacket extending from the side edges thereof to near the center thereof with each pocket being separate; the back of the jacket consisting of two parts with similar pockets in each, one edge of one back portion attached to one edge of the front portion, a plurality of pieces of elastic tape attached by their ends to the two back portions and holding same spaced apart; metal fastening buttons attached in the free edges of the back and front portions of the jacket and adapted to hold the entire jacket around the torso of a human body; a floating element enclosed in each of the said pockets.

2,569,743
DEVICE TO PROMOTE NASAL BREATHING AND PREVENT SNORING
Marion Pomeroy Carleck, Los Angeles, Calif.
Application April 11, 1949, Serial No. 86,611
5 Claims. (Cl. 128—148)



1. A device for use in promoting correct nasal breathing and to prevent snoring comprising a tube formed of a relatively light-weight rigid material adapted for insertion into a nostril having a bore of relatively large diameter extending longitudinally therethrough and forming an air passage, said tube having an externally enlarged upper, inner end forming a stop for releasably retaining the tube in an applied position, said enlarged end being of substantially frusto-conical shape and tapering toward its extremity, said tube including an external portion of a length greater than its enlarged end adapted to be disposed in the nostril, said last mentioned portion tapering slightly toward the enlarged end and having a restricted end merging with the enlarged end of the tube, the enlarged end of the tube at its point of mergence with said last mentioned, restricted tube portion defining an annular shoulder disposed around said restricted tube portion and rounded in a direction longitudinally of the tube.

2,569,744
MULTIPLE STAND ROLLER MILL WITH WORM AND WORM WHEEL DRIVE TO EACH ROLL
Thomas G. Cecka, Minneapolis, Minn., assignor to International Milling Company, Minneapolis, Minn., a corporation of Delaware
Application January 30, 1947, Serial No. 725,392
6 Claims. (Cl. 241—135)



1. A roller mill comprising a frame, a first pair of rollers positioned in an elevated transverse plane through the frame and substantially symmetrically about a vertical center plane through the frame, a second pair of rollers journaled on the frame and positioned in a lower transverse plane and more widely spaced than said first rollers from said center plane, means for moving each of the second rollers toward and away from the center plane of the frame so as to position the periphery of each of said second rollers closer or farther away from the position of the more elevated first roller to which it is adjacent, a first transverse countershaft journaled in the frame and worm gear means connecting said shaft to each of the first pair of rollers, a second transverse countershaft journaled on the frame and worm gear means connecting said second shaft to each of said second pair of rollers, a power source on the frame and drive means connecting it to the first and second countershafts.

2,569,745
FILTER ELEMENT
Wayne S. Cook, Grand Rapids, Mich., assignor to Sackner Products, Inc., a corporation of Michigan
Application March 20, 1947, Serial No. 736,089
1 Claim. (Cl. 210—169)



A filter including a pair of corrugated spacer elements, the corrugations being of substantial depth, and a filter sheet convolutely wound with the spacer elements and comprising two plies of crepe paper having diagonal corrugations therein, both ends of the diagonal corrugations terminating in spaced relation to both longitudinal edges of the plies providing border strips, the plies being arranged with the corrugations thereof in crossing relation, both border strips on one ply being secured to the border strips on the other ply, the spacers being arranged between the joined border strips of the convolutions of the sheet.

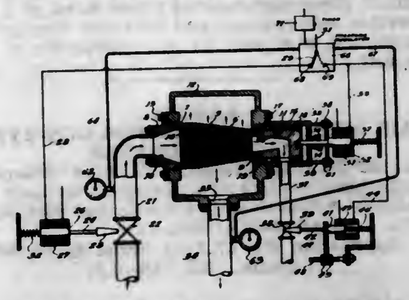
2,569,746
PREPARING PHENYL SILICATES FROM PHENOLS AND SiS_2
James B. Culbertson, Lockport, Hendrik de W. Erasmus, Lewiston, and Robert M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 8, 1949, Serial No. 97,923
5 Claims. (Cl. 260—448.8)

1. A method for making a phenyl silicate which comprises reacting silicon disulfide with a phenol free from reactive groups other than hydroxyl.

2,569,747
REACTION OF ALIPHATIC POLYHYDRIC ALCOHOLS AND CHLOROHYDRINS WITH SiS_2
James B. Culbertson, Lockport, Hendrik de W. Erasmus, Lewiston, and Robert M. Fowler, Niagara Falls, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 8, 1949, Serial No. 97,924
9 Claims. (Cl. 260—448.8)

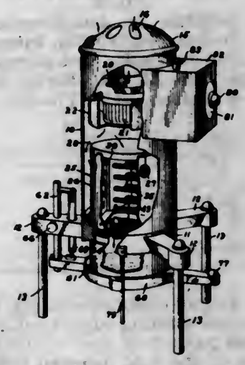
1. A method for making a silicate of a substance selected from the group consisting of aliphatic polyhydric alcohols and alkylene chlorohydrins, said substance being free from reactive groups other than hydroxyl, which method comprises reacting silicon disulfide with such a substance.

2,569,748
STRAINER APPARATUS
Thomas De Grave, Chicago, Ill.
Application August 22, 1946, Serial No. 692,254
3 Claims. (Cl. 210—167)



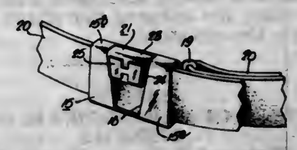
1. In a strainer apparatus for separating solids of predetermined size from fluids, a strainer housing, a helical strip forming a strainer, the inner edge of said strip defining an inwardly converging axial passage for fluids and solids, the convolutions of said strip being spaced apart for the passage therebetween of fluid free of solids of predetermined size, inlet means for directing a stream of fluid and solids into the inlet end of the axial passage of said strainer, the inlet end of said strainer strip being secured to said strainer housing, fluid outlet means to receive fluid passing outwardly between the convolutions of said strip, solids outlet means to receive solids and some fluid from the outlet end of the axial passage of said strainer, said solids outlet means including a solids outlet nozzle mounted for reciprocable movement relative to said strainer housing and secured to the outlet end of said strainer strip, means for axially moving said solids outlet nozzle, and means responsive to a predetermined differential in pressure within said inlet means and said fluid outlet means to actuate said nozzle moving means to vary the spacing between the convolutions of said strainer strip.

2,569,749
MOISTURE TELLER
Harry W. Dietert and Ralph E. Steinmueller, Detroit Mich., assignors to Harry W. Dietert Company, Detroit Mich., a corporation of Michigan
Application November 3, 1947, Serial No. 783,766
13 Claims. (Cl. 34—44)



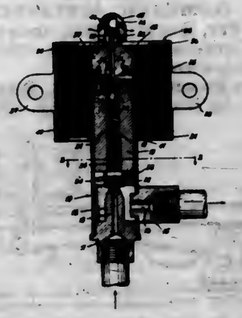
1. A moisture teller comprising a vertical casing, an air-pervious specimen pan at the lower end of said casing, means adjacent the upper end of said casing for circulating air downwardly through said casing, an air heating chamber in said casing, and heating elements in said chamber, said chamber being spaced inwardly from the side walls of said casing to provide an air-insulation space therebetween, said chamber being closed at its upper end and having air inlet openings at its sides to provide for flow of cool air in the space between said casing and said chamber.

2,569,750
FASTENING DEVICE FOR BELTS
William J. Dillenz, Philadelphia, Pa.
Application June 21, 1949, Serial No. 100,470
6 Claims. (Cl. 24—194)



2. A fastener for straps, belts and the like comprising a rigid tubular sleeve member having spaced parallel front and rear wall portions interconnected by side wall portions, said front wall having an opening therein extending transversely of said front wall continuously into one of said side wall portions, a locking element slidable transversely inwardly of said sleeve and including a wedge portion movable adjacent the sleeve rear wall in spaced confronting relation to the front wall opening, and a forwardly projecting head portion on the locking element arranged in the inner position thereof to reside in the portion of the opening in said one side wall of the sleeve flush with the surface thereof.

2,569,751
THREE-WAY VALVE
John E. Dube and Evan Jones, St. Louis County, Mo., assignors to Alco Valve Company, University City, Mo., a corporation of Missouri
Application April 21, 1945, Serial No. 589,622
7 Claims. (Cl. 137—144)



1. In a valve construction, a valve housing, having a pair of valve seats spaced from each other, a magnetic coil around the housing adjacent the seats, an armature member within the housing, a passage through the armature member, a first valve slidably engaged within said passage axially of the armature member, spring means contained within the passage urging said valve outwardly of said passage, a removable plug closing the other end of said passage, a second

valve on said plug, one valve member being engageable with one valve seat when the coil is deenergized, and the other valve member being engageable with the other valve seat only when the coil is energized.

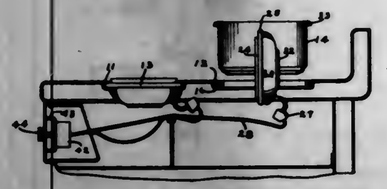
6. In a valve construction, a tubular member; a closure member at one end of the tubular member having a passage therethrough, said closure member containing a valve seat at the inner end thereof which extends beyond the end of the closure member; an armature slidably mounted within the tubular member and containing a longitudinally extending passage way providing an opening in one end thereof adjacent said valve seat; a valve plug slidably and totally contained within the passageway adjacent said one end for engagement with the valve seat; yieldable means urging the plug outwardly toward said end; and means associated with the armature limiting the outward movement of the plug relative to the armature.

2,569,752
METHOD OF MAKING METAL SCREEN STENCILS
Harwood B. Fowler, Wayne, Pa.
Application July 4, 1945, Serial No. 603,175
3 Claims. (Cl. 101—128.3)



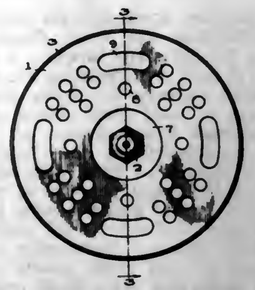
1. The method of making a metal stencil screen, which comprises coating a plate with photo-sensitive resist material, photographing on one surface a design which the stencil is to reproduce, photographing on the other surface of the plate a multiplicity of small dots, subjecting the plate to etching in a bath to simultaneously etch in the design and a multiplicity of small apertures leading into the design to complete the stencil.

2,569,753
DOMESTIC APPLIANCE
Millard E. Fry, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application December 27, 1946, Serial No. 718,745
14 Claims. (Cl. 219—35)
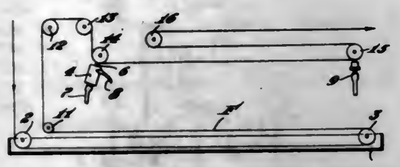


5. The method of changing from a top cooking unit supported on the periphery of an opening of a cooking top of a range and accessible at and substantially at the same plane of said cooking top and which accommodates a cooking utensil entirely above said cooking top into a cooking well accessible through and depending from said opening and which accommodates a substantial portion of a cooking utensil below said cooking top which comprises removing the heating unit from a ring which supports the unit on the periphery of said opening without disconnecting power lines which extend from said heating unit to said range, inserting said heating unit through the bottom of said cooking well without disconnecting said power lines, and then inserting said cooking well into said opening and supporting said well by the periphery of said opening.

2,569,754
AIR DIRECTING DEVICE FOR GUN-TYPE FUEL OIL BURNERS
Charles Mahlon Gressley, Harrison Township, Allegheny County, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application May 27, 1949, Serial No. 95,769
1 Claim. (Cl. 158—1.5)



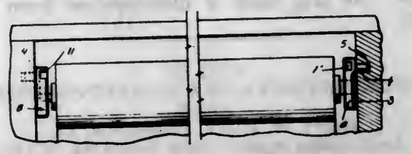
In combination with a fuel burner having an airblast tube and a burner nozzle located centrally and axially adjacent the discharge end thereof, an air directing device mounted over the nozzle end of said air blast tube and spaced outwardly from said burner nozzle, said air directing device comprising a plate-like member having a relatively large central opening surrounded by a circular series of widely spaced smaller openings, spaced arcuate slots adjacent the periphery of said member, of a curvature centered on the axis of said central opening, and concentric rows of closely spaced smaller openings located radially outward of said circular series of widely spaced openings and between said spaced arcuate slots, in groups alternating with said arcuate slots circumferentially of said member.

2,569,755
METHOD AND APPARATUS FOR STRIPING FILM
Everette E. Griffith, Jr., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application June 23, 1949, Serial No. 100,903
8 Claims. (Cl. 117—44)



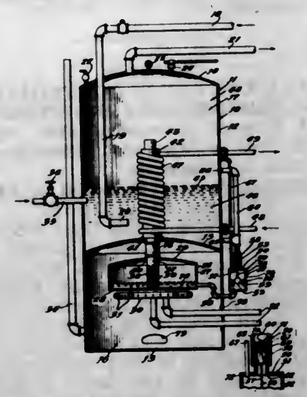
1. In the art of cinematography the method which comprises guiding absorbent film along a predetermined path from one location to another with one side of the film directed downwardly in a portion of the path, at the first location applying to a longitudinal zone of said underside of the film a depending ridge of liquid of which the film is absorptive but in excess of that which the film will absorb in traveling from the first to the second location so that some of the liquid remains on the surface of the film until it reaches the second location, the liquid being applied by directing a fountain of the liquid upwardly against said zone, and at said second location removing from the film the superficial liquid which has not been absorbed by the film while traveling between the two locations.

2,569,756
BRACKET FOR SHADE ROLLERS
Earl J. Grigsby, San Pedro, Calif.
Application May 10, 1948, Serial No. 26,163
1 Claim. (Cl. 248—268)



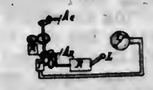
As a new article of manufacture, a bracket for a shade roller, comprising a body having a flat rear side, and a dowel pin projecting from said rear side of said body adjacent its upper end for engagement in an opening formed in the side of a window casing, said body having a relatively shallow recess of a substantial area formed in its rear side to receive an adhesive to cooperate with said dowel pin in securing the body in a set position, the front side of said body having an obtusely angled slotted recess formed therein for holding coaction with the shade roller, a lower portion of said recess being vertically disposed and the other portion thereof extending obliquely upward from the upper end of the said lower portion and opening through the front vertical edge of said body.

2,569,757
HEATING APPARATUS
Philip Gubson, Chicago, Ill.
Application March 28, 1947, Serial No. 737,883
1 Claim. (Cl. 122—20)



A heating apparatus comprising a substantially cylindrical steel boiler including a vertically extending side wall and generally horizontally extending top and bottom walls and a generally horizontally extending transverse partition extending across the interior of the said boiler between the said top and bottom walls thereof and dividing the interior of the said boiler into an upper compartment defined by the said side wall and the said top wall and the said transverse partition and including an upper steam zone and a lower water zone, and a lower compartment defined by the said side wall and the said bottom wall and the said transverse partition, said boiler having a valve-controlled cold water inlet into the said lower water zone of the said upper compartment, and having a steam outlet from the said upper steam zone of the said upper compartment, a steam-generating water jacket arranged in the said lower compartment of the said boiler below the said transverse partition, a heating unit below the said water jacket for heating water therein and converting the same into steam, a vertically extending steam-conducting pipe arranged centrally in the said boiler and including an open lower end portion extending downwardly through the said water jacket centrally thereof for the reception of steam from the said water jacket, the said steam-conducting pipe including an upper portion extending upwardly through the said transverse partition and through the said water zone and opening at its upper end into the said steam zone of the said upper compartment, a water supply line for supplying water from the said lower water zone of the said upper compartment of the said boiler into the lower area of the said water jacket, an automatically operated float valve unit arranged in the said water supply line between the said water zone and the said water jacket for automatically maintaining the water level in the said water jacket substantially constant, and means for equalizing the effective steam pressure and the effective water pressure on the said valve unit from the said upper compartment and the said water jacket, respectively.

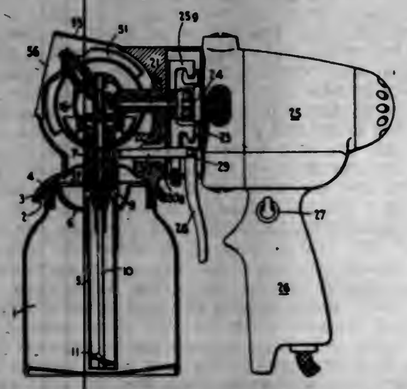
2,569,758
RADAR SYSTEM
Henri Gutton and Maurice Ponte, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application April 30, 1947, Serial No. 744,844
In France December 6, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1959
3 Claims. (Cl. 343—11)



1. In an apparatus for the radio location of an obstacle, in combination, a transmitter comprising directive means for producing a conical searching radio beam, the cross section perpendicular to the axis of which presents a shape of a flat ellipse, means for making the beam turn around its axis so that the said flattened cross section scan a circular surface, a receiver including directive means for receiving the echo pulses from said obstacle, said last mentioned directive means having substantially the same radiating diagram as directive means at said transmitter and having an axis of propagation substantially parallel to the axis of the searching radio beam, driving means at said receiver for driving the directive means associated therewith around its axis in synchronism with the searching beam, transforming means connected to said receiver for transforming the echo pulses into luminous signals and rotating means synchronized with said driving means, associated with said transforming means for distributing

said luminous signals along a circular path for visually determining the bearing of said obstacle with respect to said beam axis.

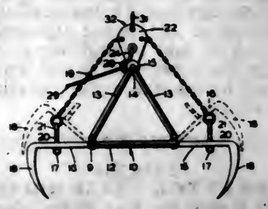
2,569,759
SPRAY-PRODUCING APPARATUS FOR LIQUIDS
Geoffrey Meredith Hall, Oldham, England
Application January 20, 1948, Serial No. 3,193
In Great Britain January 28, 1947
1 Claims. (Cl. 299—63)



1. A spray-producing apparatus for liquids comprising a cup-like feed centrifuge, means for rotating said feed centrifuge about a substantially vertical axis and having its mouth directed upwardly, a cup-like atomising centrifuge, means for rotating said atomizing centrifuge about an axis at right angles to the axis of the said cup-like feed centrifuge and disposed with a part of the rim of said cup-like feed centrifuge within it, a cup-like controlling centrifuge, means for rotating said controlling centrifuge about an axis lying substantially in the same plane as the axis of the cup-like feed centrifuge and passing through the axis of said cup-like atomising centrifuge, disposed to surround part of the rim of said cup-like atomising centrifuge and having an aperture in its base intersected by the plane in which lies the rim of the atomising centrifuge, a casing surrounding all the said centrifuges and having an orifice also intersected by the plane in which lies the rim of the atomising centrifuge and in alignment with the aforesaid aperture so that liquid may pass therethrough after ejection from the rim of the atomising centrifuge and after passing through the said aperture in the controlling centrifuge, means for driving all said centrifuges, and means for feeding liquid to said cup-like feed centrifuge.

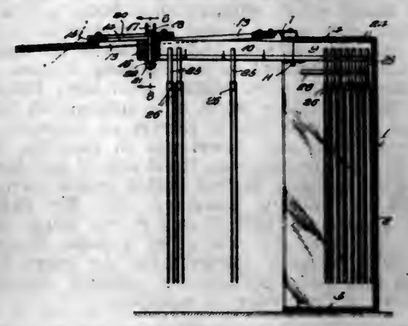
2,569,760
STACKER FOR HAY IN BALES
Christian A. Hansen and Carl T. Hansen, Minden, Nev.
Application October 3, 1947, Serial No. 777,810
4 Claims. (Cl. 294—109)

2. A bale stacker comprising a substantially rectangular frame with two long sides and two short sides, a grapple gate hinged on each of the long sides of said frame, a pair of upwardly and inwardly inclined support rods on each of the long sides of the frame and joined together to form an eye, a suspension bolt engaging in and coupling the eyes of the two pairs of support rods, a hoist member designed to have a hoist cable connected therewith, a trip hook pivotally coupled to said hoist member and adapted to be detachably coupled with said bolt, and a flexible coupling between the hoist member and each



grapple gate by which the stacker remains suspended from the cable supported hoist member when the trip hook is disconnected from the bolt.

2,569,761
NECKTIE CONTAINER AND SUPPORTING RACK
Harry W. Hibbs, Princeville, Ill.
Application April 5, 1948, Serial No. 19,117
16 Claims. (Cl. 312—276)

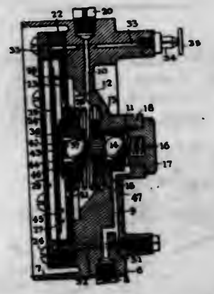


2. A device of the class described including a container having a door hinged at the top, a hanger supporting track having a hinged section slidably connected with the door, and a locking device connected to the hinged track section and slidably mounted on the door and engageable with the same for locking the door in an open elevated position.

2,569,762
RELAY FOR USE IN CONTROLLING ATMOSPHERIC CONDITIONS
Adolph J. Hilgert, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 1, 1947, Serial No. 745,342
2 Claims. (Cl. 137—153)

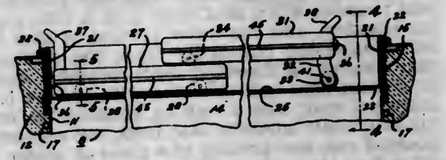
1. A positive reverse-acting relay comprising in combination, a body having a supply chamber adapted for connection with a source of fluid under pressure, and a generally circular diaphragm chamber adapted for connection with a device in which pressure is to be controlled; an inlet poppet valve and seat controlling flow from said supply chamber to said diaphragm chamber, the valve and its seat being axially alined with the center of the diaphragm chamber and being arranged to close by motion of the valve toward the supply chamber whereby the valve is biased in an opening direction by supply pressure; a rear diaphragm closing that side of the diaphragm chamber which is opposite to said inlet valve; an exhaust poppet valve and seat

mounted at the center of said diaphragm and axially alined with said inlet valve, said exhaust valve controlling flow from said diaphragm chamber through the central portion of the diaphragm, said valve being arranged to close against its seat by motion toward the diaphragm chamber; yielding means biasing said exhaust valve in said closing direction; a front diaphragm arranged to act in thrust on the rear diaphragm; marginal supporting means for sustaining said diaphragms in spaced relation whereby an exhaust path is afforded from the space between the diaphragms; means enclosing a regulating-



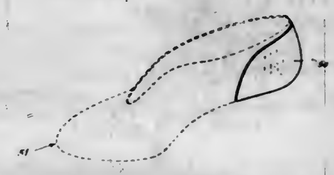
pressure chamber at the front of the front diaphragm; means for developing a regulatory pressure in the last-named chamber; yielding means biasing said diaphragms in opposition to said regulatory pressure; and means affording one-way thrust between said supply and exhaust valves, the strength of the exhaust valve spring being such, that under rising regulatory pressure motion of the rear diaphragm first closes the inlet valve and then opens the exhaust valve, and under falling regulatory pressure motion of the rear diaphragm first closes the exhaust and then opens the inlet valve.

2,569,763
SLIDABLE DOOR FOR CABINETS
George F. Hofferberth, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 14, 1949, Serial No. 104,648
2 Claims. (Cl. 312—295)



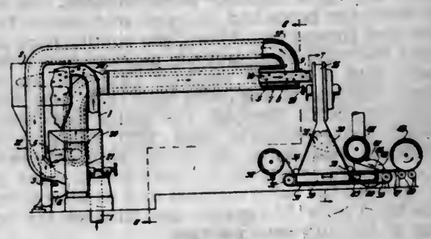
2. A refrigerator cabinet having a plurality of walls forming a chamber therein, the top wall of said cabinet having an opening therein providing access to said chamber, means forming a track along two opposed sides of said chamber access opening, a first door and a second door associated with said track and cooperating with one another for opening and closing different portions of said chamber access opening, said second door having a part thereof normally overlapping and supported upon the top of an end portion of said first door, said second door being movable over a substantial portion of said first door in a horizontal direction for opening one portion of said chamber access opening, roller means adjacent each end of said first door and rollable along said track, roller means adjacent one end of said second door and rollable along said track, roller means carried by said second door adjacent said end portion of said first door and adapted, when said second door is moved over said first door, to roll thereon and vertically space said second door from said first door, and said last named roller means being spaced a sufficient distance from the end of said overlapping part of said second door to cause said second door to drop downwardly into sealing engagement with said top end portion of said first door when both doors are moved into their closed positions.

2,569,764
INITIALLY SOFT STIFFENABLE MATERIAL
Gilbert F. Jonas, St. Louis, Mo., assignor to Boyd-Welsh, Inc., St. Louis, Mo., a corporation of Missouri
Application July 25, 1946, Serial No. 686,111
10 Claims. (Cl. 36—68)



5. An article of manufacture, comprising a shoe having an upper and a sole; and a potentially stiffenable member associated with said upper, said member including a fabric comprising strands of thermoplastic material and flexible electrical conductors woven together, the thermoplastic material being of a type which is initially flexible, which softens and flows when subjected to heat, and which stiffens on being cooled.

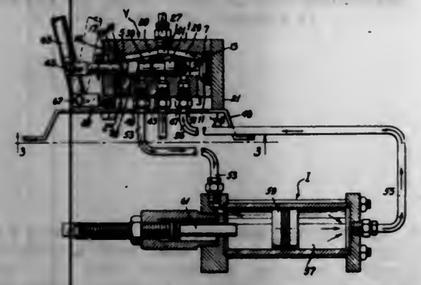
2,569,765
METHOD AND APPARATUS FOR MAKING AN ABSORPTION CONTROL ELEMENT
William R. Kellett, Menasha, and Louis G. Veler, Neenah, Wis., assignors to International Cellucotton Products Company, a corporation of Delaware
Original application April 4, 1946, Serial No. 659,542. Divided and this application January 2, 1948, Serial No. 344
16 Claims. (Cl. 154—29)



9. Apparatus of the class described, comprising a collector for fibrous material pieces carried in an air stream, a conduit, means for withdrawing said fibrous material pieces from said collector and discharging the same in an air borne stream into said conduit, means for spraying sizing material into said conduit so as to deposit some of said sizing material on said air borne pieces, a hammer mill for receiving the stream of sized pieces from said conduit and operative to disintegrate said pieces into shred-like pieces, said mill being provided with a screened outlet for discharging shreds of a pre-

determined maximum size, a pervious conveyor, means for guiding a web of pervious tissue paper into place on said conveyor, suction means for causing said shreds to be deposited on said conveyor borne paper web to thereby produce a layer of said shreds on said web, and means for applying a tissue paper cover sheet to the top side of said layer of shredded material.

2,569,766
VALVE
Victor G. Klein, St. Louis, and Lutwin C. Rotter, Maplewood, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application January 27, 1945, Serial No. 574,852
3 Claims. (Cl. 251—76)

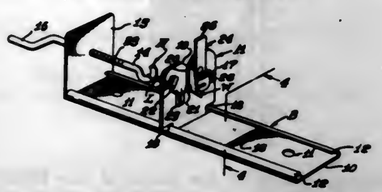


1. A valve comprising a body having a longitudinal bore provided with open counterbores at both ends, said body also having a passage connecting said counterbores to an outlet port, separate heads attached to said body at its ends and covering said counterbores, one of said heads being solid and the other having an opening, packing in both of said counterbores, the packing under the head without an opening being solid and the other packing having an opening, said body having an inlet port, a first transfer port located between the inlet port and the head having the opening, and a second transfer port located between the inlet and the other head, all in communication with said bore, a valve member having axially spaced lands slidable in said bore between a first position adjacent the head having the opening wherein it connects said inlet and first transfer ports through the space between the lands and connects said second transfer port through said bore, the counterbore adjacent the solid head and the passage to the outlet port, and a second position adjacent the solid head wherein it connects said inlet and second transfer ports through the space between the lands and connects said first transfer port through said bore, the other counterbore and the passage to the outlet port, and a valve stem coupled to the valve member and passing through the head with the opening and through the opening of the adjacent packing.

2,569,767
DENTAL MATERIAL AND METHOD
Frances E. Knock, Oak Park, Ill., assignor to The L. D. Caulk Company, Milford, Del., a corporation of Delaware
No Drawing. Application May 27, 1946, Serial No. 672,682
9 Claims. (Cl. 32—2)

1. The method of making dental restorations, which comprises, admixing a liquid polymerizable monomer component with a finely divided solid polymer component, said monomer component containing methyl methacrylate monomer and between 5% and 95% dichlorostyrene monomer in which the chlorine atoms are on the benzene ring, said polymer component comprising methyl methacrylate polymer at least partially soluble in said monomer component, incorporating a peroxide polymerization catalyst with the resulting admixture and fabricating a dental restoration from the resulting mixture in a patient's mouth so that said restoration hardens to a non-porous structure at mouth temperature by polymerization of said monomer component.

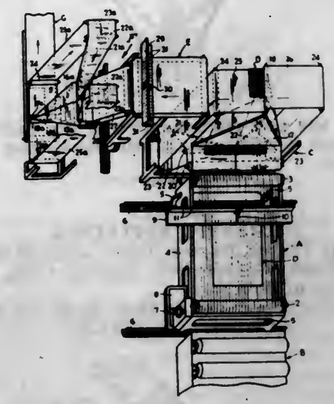
2,569,768
DEVICE FOR FORMING FISHING LEADERS
Frank H. Kortz, Long Beach, Calif.
Application October 4, 1947, Serial No. 777,890
1 Claim. (Cl. 140—102)



A device for forming a fishing leader which includes: an elongated rectangular base provided with inwardly extending lips along each longitudinal side thereof; an upright support, provided with a substantially horizontal tapped bore, affixed to one end of said base; a base plate slidably mounted on said base within the confines of said lips; a substantially vertical member mounted on said base, and provided with a substantially vertical slot that terminates at the bottom thereof in a circular bore having a diameter slightly greater than twice the cross-sectional diameter of the largest leader wire that will be used with said device; a plurality of wire engaging arms provided on said member, with each of said arms having a tapered base portion whereby wire passing therethrough will be held under tension; a lever pivotally mounted on said member on the side opposite from said wire engaging arms, with said lever being provided with a slot that is slightly offset from said slot provided in said member when said lever is in a wire engaging position, and the inner portion of said lever being extended outwardly from the surface of said member; a threaded shaft rotatably mounted in said bore and provided with a hook on its rearward end; and a handle adapted for rotating said shaft whereby said hook can engage the doubled free end portion of a piece of leader wire extending through said bore and rotate and advance said doubled wire portion to form a loop therein during the time that the free strand of wire is held in tension by said wire engaging arms and the outwardly extending portion of said lever, while the other strand of said wire is held in a fixed position between the sidewalls of said slots provided in said member and said lever.

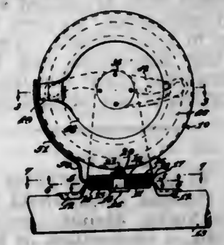
2,569,769
MEANS FOR FOLDING FLAT ARTICLES
Samuel William Lister, London, England
Application February 10, 1949, Serial No. 75,690
In Great Britain February 10, 1948
2 Claims. (Cl. 270—94)

1. Means for folding flat articles comprising a symmetrical tetrahedral former having a face of largest superficial area twice as large as either of two equal sized contiguous faces which meet at an apex of the said largest face opposite to a base edge thereof, a pair of endless bands each of a width approximately one-half that of said base edge, each of said bands being supported for continuous movement in unison in a closed loop path, means for directing said bands in side by side relation in a first plane across said base edge of said former and then changing the plane of said bands so that said bands are brought in face to face relation at the apex by causing them to



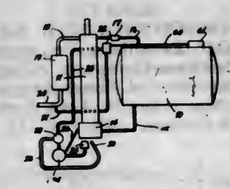
traverse the faces of said former thus twisting said bands 90°, spaced guide means paralleling said apex for leading each of said bands laterally away from said apex in opposite directions therefrom, thence in generally parallel planes to a level beyond said base edge, and thence reversing the direction of movement of said bands to direct them from said last-mentioned level toward said base edge and at the same time twisting said bands 90° to bring said bands into side by side relation in a plane paralleling said base edge.

2,569,770
CASTING REEL
Claude C. McFate, Denver, Colo.
Application September 7, 1948, Serial No. 48,047
3 Claims. (Cl. 242—84.1)



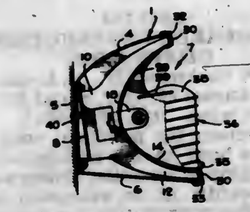
1. A casting reel comprising an elongated reel saddle, a reel case, a spool rotatably mounted in the case, means for revolving said spool for winding a fishing line thereon, said case including an annular flange disposed around the periphery of the spool and a side wall facing one side of the spool, said side wall having a relatively large opening disposed beyond and centrally of said side of the spool, of a diameter less than the diameter of the spool, and a slotted opening extending from a portion of said enlarged opening having a part disposed in the annular flange of the case, and means swivelly supporting the reel case on the saddle whereby the case and spool are turnable as a unit from a retrieving position in a plane parrallel to the longitudinal axis of the reel saddle to a casting position crosswise of the reel saddle to permit the fishing line to spin off of the side of the spool adjacent said enlarged opening of the case and through said opening for casting the line from the reel while the spool is stationary, and a line guide having a base portion swivelly connected to and mounted on the reel saddle, said line guide having an eye disposed to align with the slotted portion of the annular flange or with the enlarged opening in the side wall of the case in either position of the reel relatively to the saddle, for guiding the line in its movement onto or off of the spool and to prevent large coils forming in the line during casting and adjacent the reel case.

2,569,771
SAFETY DEVICE FOR VAPORIZERS
Orville Mitchell, Dallas, Tex., assignor to John E. Mitchell Company, Dallas, Tex., a corporation of Missouri
Application January 12, 1946, Serial No. 640,975
1 Claim. (Cl. 62—1)



In a vaporizer unit for vaporizing liquid, a supply tank, a vaporizer chamber, an outlet pipe from the chamber, flame means associated with the vaporizer chamber, a pipe from the outlet to the flame means, a valve in said pipe, a filler opening for the tank spaced from the vaporizer, a cover movable to give access to the opening, rigid mechanical connections between the cover and the valve to close the valve and cut off the flame means when the cover is moved as aforesaid, and a safety cut-off in the pipe between the valve and the flame means to maintain the flame pipe closed when flame is absent.

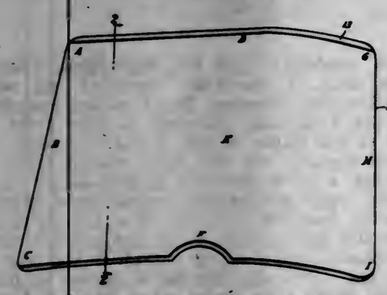
2,569,772
GERMICIDAL LAMP MOUNTING AND REFLECTOR
Robert E. Olsen, Venice, Calif., assignor to Mitchell Manufacturing Co., Tru-Ad Division, Los Angeles, Calif., a corporation of California
Application January 13, 1947, Serial No. 721,754
4 Claims. (Cl. 240—73)



1. A germicidal lamp mounting and reflector comprising: a longitudinal housing open along one side thereof; a longitudinal, tilted base mounted on the inner surface of the housing

opposite the open side thereof; a plurality of spaced supports mounted on said tilted base, each of said supports having a parabolically shaped marginal edge facing the open side of the housing and slightly angularly upwardly directed; a thin sheet reflector; means for holding said reflector against the parabolically shaped margins of the supports, whereby said reflector is caused to assume a virtually true parabolic shape; means for mounting a longitudinal gaseous electric discharge lamp within the parabolically shaped reflector adjacent the focus thereof; and a louver assembly including a plurality of longitudinally extending upwardly, angularly, inclined louver means positioned across the lower portion of the open side of the housing whereby to reduce the vertical angular spread of the radiation emitted through the open side of the housing, virtually all of said angular reduction being at the bottom of the beam of radiation, said louver assembly being pivotally connected to the lower portion of the housing and being provided with a shield positioned adjacent the gaseous discharge lamp to intercept radiation emitted from the lamp through the open side of the housing above said louver assembly.

2,569,773
ELECTROCONDUCTIVE ARTICLE
Leighton E. Orr, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 20, 1948, Serial No. 61,191
9 Claims. (Cl. 219—19)



1. An article of manufacture which comprises a refractory base, a transparent electroconductive metal oxide film having nonuniform surface resistivity thereon and a pair of laterally spaced, longitudinally extending bus bars bonded to the base and in electrical contact with the film; the resistance distribution of said film being such that when electric current is passed therethru the area of maximum heat generation is spaced a substantial distance from a bus bar.

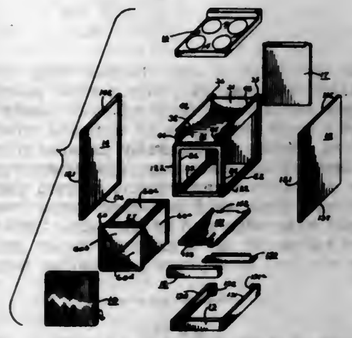
2,569,774
ORIFICE GUARD CONSTRUCTION FOR DISPENSERS
George H. Packwood, Jr., St. Louis, Mo.
Application August 25, 1947, Serial No. 770,426
2 Claims. (Cl. 222—501)

1. In a dispenser for powdered soap material and the like, a bowl having bottom walls downwardly converging to an outlet orifice and flaring smoothly outwardly in an extension below the orifice, the orifice constituting the narrowest section of the walls, a valve in the bowl extending at least substantially to said walls at the orifice for closing the orifice, means to support the valve in said closing position, means to move the valve away from said orifice to permit descent of material through the orifice, the extension projecting below the orifice far enough to prevent the



hand of the user from contacting the valve when such hand is engaged against the bottom of the extension.

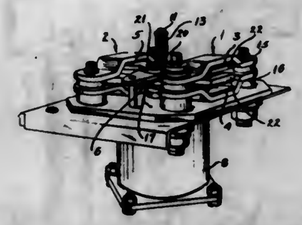
2,569,775
DOMESTIC APPLIANCE
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 18, 1946, Serial No. 697,622
3 Claims. (Cl. 219—35)



3. In a device of the character described, in combination, a skeleton box-like frame including centrally open front and side sections, a U-shaped back section, a trough-like top section, and a forwardly open U-shaped switch cage in front of said top section, an oven in said frame, an oven door in front of said frame, side panels secured to and supporting said frame, and a door counterbalance below said frame and inside the lower portion of one of said panels.

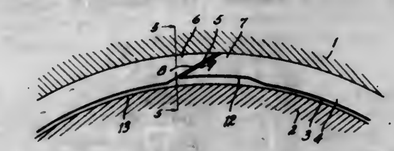
2,569,776
ELECTRIC SWITCH
Lawrence M. Persons, Chesterfield, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application August 21, 1946, Serial No. 692,104
9 Claims. (Cl. 200—144)

9. In a contactor having a bridge movable between two positions at each of which one electrical circuit is made and another broken, a pair of stationary contacts arranged to be engaged by the bridge when in one of its positions, a second pair of stationary contacts arranged to be engaged by the bridge when in the other of its positions, the respective contacts of each pair being disposed for engagement with opposite ends of the bridge, said bridge comprising two parallel conductors, one of which engages the first mentioned pair of stationary contacts, and the other of which engages the second pair of stationary contacts, said conductors being physically proximate but electrically separated from each other at least at one end and along the portion which extends between the individual contacts of the respective pairs; and means for maintaining the stationary contacts (in different pairs) at the end of said conductors opposite said one end at the same electrical polarity ir-



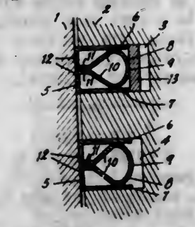
respective of the position of the bridge, whereby the increasing current in a conductor just engaged with its contacts induces in the other conductor just separated from its contacts an electromotive force opposite in direction to that to which said other conductor has been subject, so that the amplitude of movement of said bridge between its said two positions may be less than the air gap required to extinguish an arc drawn upon separation of said bridge and a stationary contact.

2,569,777
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application October 12, 1946, Serial No. 702,902
4 Claims. (Cl. 309—46)



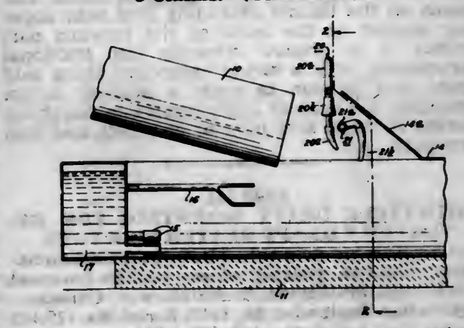
4. A split expansible piston ring having normally an open gap at the split thereof and having the surfaces on the opposite sides of the split thereof disposed at a substantial angle to a radial line intersecting the split to permit a combined radially inward and circumferential sliding engagement of one end portion relative to the other end portion, said opposed surfaces being disposed substantially at right angles to the plane of the ring to permit said sliding engagement without affecting the axial dimensions of the ring, the end portion of the ring having the inner surface of the opposed angular surfaces having its inner periphery cut away adjacent the split to permit radially inward movement thereof during said sliding engagement, said inner surface of said opposed surfaces throughout the substantial entirety of said inner surface being disposed inwardly of the opposed outer surface to permit the end of the ring which is cut away to flex inwardly without engaging the other end of the ring, said ring being of such dimensions that at the time of installation in a cylinder inwardly tapered toward the bottom thereof, that the ring is compressibly closed with the ends at the split in abutting engagement at the bottom of the ring travel in the cylinder, and expansibly opened at the top of the ring travel, said ring element from the radially reduced end portion being of substantially uniform radial thickness to the outer of said opposed surfaces at the opposite end of the ring element.

2,569,778
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
Application January 6, 1947, Serial No. 720,461
11 Claims. (Cl. 309—44)



1. A split resilient piston ring element formed of an integral ductile sheet metal ribbon-like member folded to provide parallel upper and lower side walls for engaging the upper and lower walls of a piston ring groove, and to provide a loop-like member intermediate said side walls, the bight of said loop-like member being disposed between the inner edge portions of said side walls and supportingly retaining the same in spaced relation, the side members of the loop-like member projecting radially outwardly and into abutting side by side relation adjacent their outer edges, said outer edges being provided with portions projecting axially away from each other and integrally connected to the outer edges of the side walls to supportingly retain the same in spaced relation, said axially projecting portions being disposed at right angles to the planes of the side walls and constituting cylinder wall engaging members.

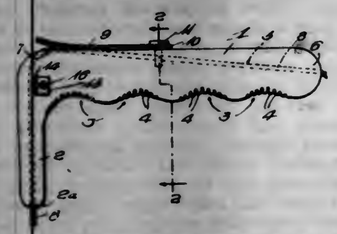
2,569,779
METHOD AND APPARATUS FOR QUENCHING MOLTEN MATERIAL
John L. Porter, Palo Alto, Calif., assignor, by mesne assignments, to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application August 22, 1947, Serial No. 770,042
3 Claims. (Cl. 18—2.4)



1. An apparatus for quenching molten material which is vitreous when solid and for disintegrating the same, comprising a substantially hori-

zontally disposed quenching conduit comprising side walls and a bottom portion, a plurality of nozzles for delivering high pressure streams of quenching water along said bottom portion, pouring means adapted to pour a stream of molten material onto said streams of quenching water at a small angle from the vertical, other nozzles positioned and adapted to direct streams of water enveloping the space above the streams of quenching water inculding the junction thereof with said molten material, and a plurality of nozzles positioned and adapted to deliver outwardly expanding high pressure sheets of water downwardly onto said streams of quenching water at the junction thereof with the molten material, said plurality of nozzles being further positioned and adapted to direct said sheets of water at a small angle from the vertical and to impart thereto a horizontal component opposite to that of the stream of molten material.

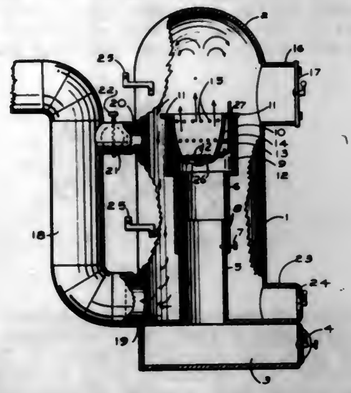
2,569,780
TYING DEVICE
George T. Rogers and Irwin W. Coleman, McKenney, Va., assignors of one-half to R. Pinkney Sowers, Richmond, Va.
Application August 9, 1948, Serial No. 43,316
3 Claims. (Cl. 242—149)



1. A device for tieing together tobacco leaves including a handle of a length to be grasped in the hand, a stem part on the handle at the forward part thereof normally extending laterally from the underside of the same, the handle being provided with an interior string guiding channel extending longitudinally from the rear end of the same to and thence through an upper face portion thereof at its forward part, and said handle having an interior channel leading from the forward end of said upper face portion of the handle transversely through the handle and through the stem part to the outer end of the same, said laterally extending stem part constituting gauge means to facilitate tieing of the stems of the leaves together at a predetermined distance from the outer ends of the stems, and means on the handle extending over said upper face portion of the same at the forward part thereof to be pressed inwardly into frictional engagement with a string extending along said upper face portion to exert a braking action thereupon to clamp or apply tension to the string passing through said interior channels and said stem part.

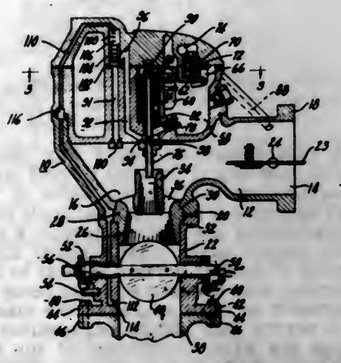
2,569,781
ADJUSTABLE DRAFT MOUNTING FOR REVERTIBLE DRAFT HEATER FIRE POTS
Neil McMurchie Schrank, Maidstone, Saskatchewan, Canada, assignor of one-half to Emanuel Schempp, Maidstone, Saskatchewan, Canada
Application September 22, 1947, Serial No. 775,488
3 Claims. (Cl. 126—75)

1. In a heater, a casing having an ash pit in the lower portion and including a partition dividing the ash pit from the body of the casing, said ash pit having a draft inlet, a wind box, means mounting the wind box in the casing above the ash pit, said means including a pipe providing draft communication between the ash pit and wind box, and said means being capable of adjustment to raise or lower the wind box, said



casing providing a space about said pipe and wind box, a fire pot suspended in the wind box, the casing providing a flue outlet located in the lower portion thereof and above the partition dividing the ash pit from the body of the casing, and a fuel inlet in the casing providing access to the fire pot.

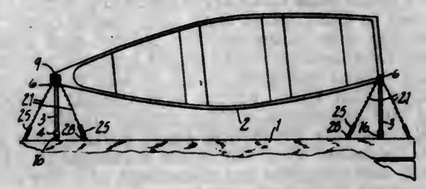
2,569,782
ECONOMIZER
Robert W. Sloane, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 31, 1946, Serial No. 719,577
3 Claims. (Cl. 261—54)



1. In a carburetor having an induction passage: a discharge nozzle, a constantly open air bleed communicating with said nozzle, a conduit communicating at one end with said discharge nozzle posterior to said air bleed and at the other end with said induction passage for bleeding air into said nozzle, a valve in said conduit for controlling the flow of air therethrough, said valve including a cylinder interposed between two sections of said conduit, a passageway connecting one end of said cylinder to said induction passage for transmitting engine suction to said cylinder, a reciprocable piston in said cylinder separating therein said passageway from said conduit and adapted to be

actuated in response to engine suction, and a spring adapted to urge said piston to a position for fully interrupting the air flow through said conduit.

2,569,783
BOAT FASTENING APPARATUS
Floyd A. Smith, Vicksburg, Mich.
Application July 23, 1948, Serial No. 40,377
10 Claims. (Cl. 114—230)

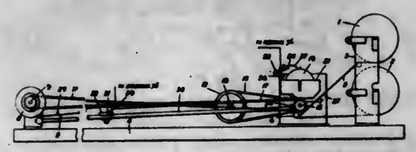


8. A boat fastening apparatus comprising a hitch bar having a socket member at its outer end provided with a downwardly facing socket, a coupling stud member adapted for attachment to a boat and having a head with which said socket member may be engaged by a tilting movement of the socket member, the disengagement of the socket member being prevented when the hitch bar is in an approximately horizontal position, said socket member having means disposed on one side thereof and projecting beneath said stud member head at one side of the stud member to prevent said disengagement of the socket member from the stud member head, and a support engaging anchoring means at the inner end of the bar.

2,569,784
PROCESS FOR PREPARING TETRA ALKYL ORTHOSILICATE
Frederick A. Smith, Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 27, 1949, Serial No. 73,219
4 Claims. (Cl. 260—448.8)

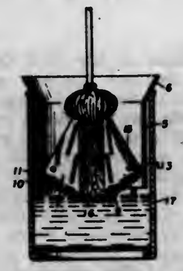
1. A process for making tetra alkyl orthosilicate which comprises reacting one mol of silicon disulfide with at least four mols of alkanol, removing hydrogen sulfide from the reactants, and recovering tetra alkyl orthosilicate as a reaction product.

2,569,785
MEANS FOR APPLYING METAL FOIL TO PAPER IN STRIP FORM
Percy Archibald Spering, Hampton Hill, and Charles Piercy Johnson, Hanwell, England
Application January 16, 1948, Serial No. 2,604
In Great Britain June 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 12, 1965
11 Claims. (Cl. 242—56)



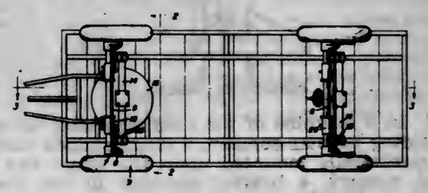
1. A method of applying successive lengths of metal foil to a single length of paper strip, comprising the steps of winding the metal foil off from a roll on a continuously fed paper strip while maintaining a pressure contact between the roll and the strip, arresting rotation of the roll when a predetermined length of metal foil has been wound off to effect severance by rupture of the metal foil along the line of said pressure contact, releasing the roll and feeding a further length of metal foil on to the paper strip.

2,569,786
PIVOTED JAW MOP WRINGER
Joseph E. Stapf, Hamilton, Ohio
Application March 13, 1947, Serial No. 734,306
6 Claims. (Cl. 15—261)



5. A mop wringer comprising a casing open at its top and bottom, a pair of cooperative mop squeezing jaw members having drainage openings, said jaw members having opposed side walls, each of said side walls tapering toward the upper end of their respective jaw members to provide a mop receiving opening between said jaw members, said jaw members including lower walls extending toward each other, pivot means mounting the lower portions of said jaw members to the casing for movement of the upper portions of the jaw members toward and away from each other, said pivot means being so located as to reduce the volume defined between the adjacent surfaces of the members as the upper portions of the members are moved together, and spring means between said members underlying said lower walls and yieldingly urging the lower walls of the jaw members toward each other and the upper portions of the jaw members apart.

2,569,787
WHEEL SUSPENSION
Everett E. Taylor, Lindsay, Calif.
Application July 1, 1949, Serial No. 102,624
3 Claims. (Cl. 267—19)



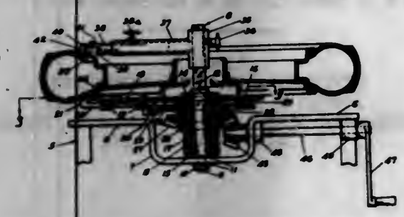
1. A wheel suspension comprising an axle, hangers rockably supporting the axle, spindle arms at the ends of the axle, spring perches projecting radially from the axle in horizontal position and acute angled relation to the spindle arms, and a leaf spring connected at its ends to said perches and supported on top thereof.

2,569,788

CIRCUMFERENTIALLY TRAVELING TYPE, PEDESTAL MOUNTED, TIRE MOUNTING DEVICE

Raymond A. Weaver, Los Angeles, Calif.

Application December 9, 1946, Serial No. 714,932
2 Claims. (Cl. 157—1.24)



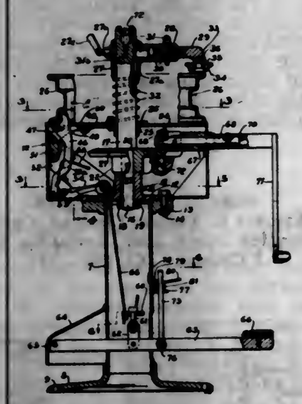
1. In a machine of the kind described, a support, a post secured thereto and upstanding therefrom, means mounted upon said post in a surrounding relation thereto to support a vehicle wheel to rotate in a horizontal plane, a radially extending arm carried by said post above the place for mounting the vehicle wheel, and two rollers carried by said arm progressively to push outwardly and then laterally into place a pneumatic tire partly mounted upon the rim of said wheel, said rollers traveling circumferentially along the edge of the wheel rim and the bead of the tire, and a pin projecting axially from the outer end of said arm, said pin affording a bearing for one of said rollers around which said one roller rotates.

2,569,789

MACHINE WITH CIRCUMFERENTIALLY TRAVELING ELEMENTS FOR MOUNTING TIRES

Raymond A. Weaver, Los Angeles, Calif.

Application March 20, 1948, Serial No. 15,991
3 Claims. (Cl. 157—1.24)



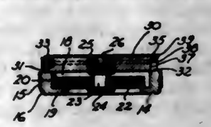
1. In a machine of the kind described, an upstanding tubular support, a drum-shaped casing concentrically mounted upon the upper end of said support, a bearing member in the lower portion of said casing and consisting of a circular plate having an upstanding hub portion and a peripheral portion secured to the upper end of said tubular support and projecting radially beyond all sides of the latter and secured thereto, a wheel mounting means comprising an upstanding shaft having its lower end portion turnably contained within said hub portion, a bevel gear located above said hub portion and concentrically secured to said shaft to turn therewith, driving means for said bevel gear and shaft including a pinion gear in mesh with the former, a portion of said shaft projecting upwardly above the aforesaid casing, means for releasably holding a vehicle wheel against rotation in a surrounding concentric relation to said upwardly projecting shaft portion, said holding means comprising a plurality of vertically extending grip levers pivoted to said casing subjacent to their upper ends and having operating cables connected to their lower ends, said cables being led inwardly over outer-friction pulleys and thence down into the aforesaid tubular support, an operating means common to all of said cables connected with them within said tubular support, and tire placement means carried by the aforesaid upwardly projecting shaft portion and put into operation when the latter is rotated to travel along and complete the placement of a tire partly applied to the aforesaid wheel.

2,569,790

VALVE FOR SUCTION SOCKET PROSTHESIS

John William White, Los Angeles, and John J. Vollmer, San Fernando, Calif.; said Vollmer assignor to said White

Application June 30, 1950, Serial No. 171,356
8 Claims. (Cl. 3—3)



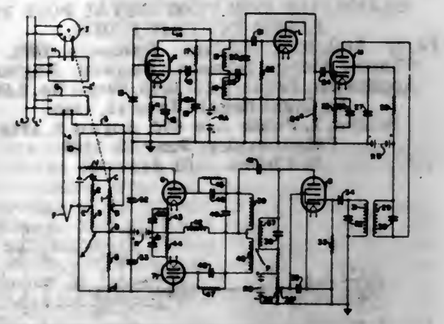
8. In a valve of the class described: a valve carrier for supporting a valve member, said carrier having a bearing at one end thereof, and a recessed catch at the opposite end; and a snap ring passing through said bearing to hinge said carrier for outward swinging, and adapted to snap lock with said catch at the opening end of said carrier.

2,569,791

VOLTAGE CONTROL SYSTEM UTILIZING FREQUENCY MODULATION

Rudolf F. Wild, Philadelphia, Pa., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application January 10, 1947, Serial No. 721,419
7 Claims. (Cl. 171—95)



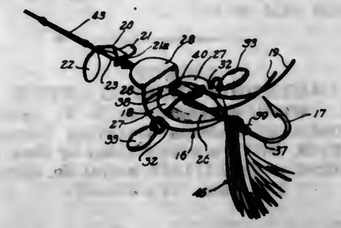
1. In measuring apparatus, the combination with a bridge circuit having energizing terminals, of means for energizing and continuously standardizing said circuit comprising an electronic oscillator tube having an input circuit and an output circuit and producing a high frequency output current, a balanced frequency discriminator having an input circuit connected to the output circuit of said oscillator and having an output circuit including two electronic valves with their cathodes connected to the energizing terminals of said bridge circuit and varying inversely in potential as the frequency in the output circuit of the oscillator tube is varied, a source of standard voltage, and means connected to said cathodes and to said source of voltage and responsive to the difference between the standard voltage and at least a portion of the potential difference between said cathodes for impressing a control signal on the input circuit of said oscillator tube and thereby varying the frequency of said high frequency output current when the first mentioned difference departs from a predetermined value.

2,569,792

FISH LURE

Nolan E. Wilson, Homer, La.

Application September 12, 1946, Serial No. 696,543
5 Claims. (Cl. 43—42.36)



4. A fish lure comprising a spoon body of substantially pear-shaped outline having a bowl and a laterally extending encircling edge flange, the body at the larger end thereof having a forwardly directed lip in offset parallel relation with the plane of the flange, the body having a second slot formed therethrough at the end adjacent to the lip and a slot formed therethrough at the opposite end thereof, a link member positioned across and bridging the bowl of the spoon at the forward end thereof and having a tongue extending forwardly through the first mentioned slot and in spaced relation with the underside of the lip, said tongue at its forward end being formed to facilitate the attachment of a line thereto, said link having an aperture therethrough substantially midway between its ends, a hook having a relatively long shank extending through the second mentioned slot and terminating in an eye registering with said aperture, means passing through the eye and aperture for securing the shank to the link, and flat elements loosely connected at opposite sides of the spoon to said flange.

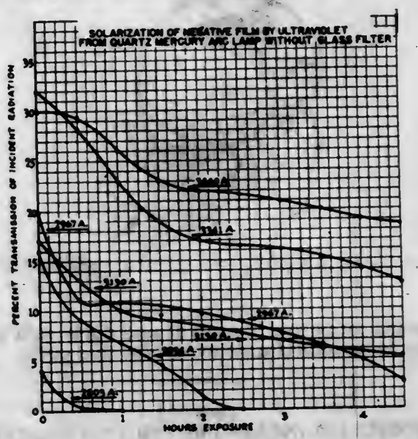
2,569,793

ULTRAVIOLET IRRADIATION

William T. Anderson, Jr., Maplewood, N. J., assignor to Hanovia Chemical and Mfg. Company, Newark, N. J., a corporation of New Jersey

Application March 8, 1948, Serial No. 13,543
3 Claims. (Cl. 250—86)

1. A photoprinting combination consisting of an ultraviolet irradiation lamp source capable of transmitting radiations in the range of 2537 to 4000 angstrom units, a sensitized surface photoprinting negative element subject to destructive solarization by ultraviolet radiations from said lamp in the range of 2537 to 2900 angstrom units, and a phosphate glass filter opaque to radiations in the range of 2537 to 2900 angstrom units interposed therebetween containing an oxide taken from the group consisting of titanium oxide and



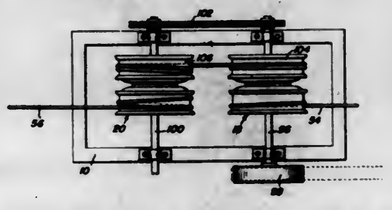
ferric oxide, said oxide constituting from 0.01% to 0.1% by weight of said glass, whereby destructive solarization of the photoprinting negative element is prevented by the elimination of the transmission thereto of irradiations within the destructive solarization range.

2,569,794

FEED WORKS FOR SAWMILLS

Walter E. Arnold and George R. Caton, Crockett, Tex.

Application November 23, 1949, Serial No. 128,976
6 Claims. (Cl. 74—27)



1. A feed works for a saw mill having a reciprocable carriage comprising forward and reverse drums rotatable in the same direction, a power shaft unidirectionally rotating at a constant speed, means selectively and alternatively operatively connecting said drums to said power shaft, a cable having its mid-portion wound reversely about said drums and having its ends connected to opposite ends of said carriage, a lay shaft, one drum being journaled on each of said shafts, an operative connection between said shafts.

2,569,795

SCALP-TREATING DEVICE

Hillard M. Avery, Indianapolis, Ind.

Application September 1, 1949, Serial No. 113,563
12 Claims. (Cl. 128—64)

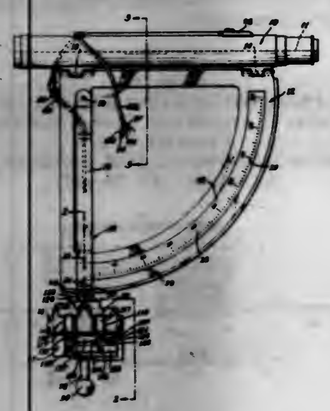
1. In a device of the class described, a coroniform frame, a hollow, concavo-convex bladder whose concave wall is readily flexible, the rim of said bladder being secured to said frame, an inlet

port and an outlet port opening into and from the interior of said bladder, and flexible conduit



means connected to each of said ports, said bladder being imperforate except for said ports.

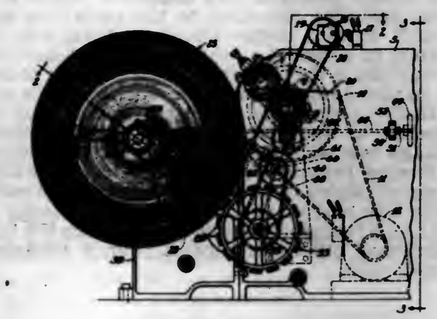
2,569,796
PENDULUM INCLINOMETER FOR SIGHTING INSTRUMENTS
Richardson O. Browning, North Hollywood, Calif.
Application June 16, 1945, Serial No. 599,847
7 Claims. (Cl. 33—70)



1. In an instrument, the combination of: sighting means; pendulum means pivotally mounted on and adapted for angular motion relative to said sighting means; means for recording the position of said pendulum means relative to said sighting means; and means carried by said pendulum means for actuating said recording means automatically when said pendulum means assumes a predetermined orientation.

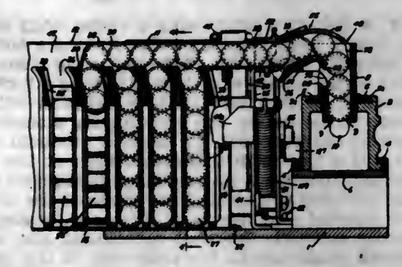
2,569,797
TOILET ROLL WINDER
Samuel J. Campbell, Green Bay, Wis.
Application September 2, 1948, Serial No. 47,372
4 Claims. (Cl. 242—55)

1. A device of the character described comprising the combination with a feeding drum and inclined ways leading toward said drum, of a parent roll support comprising a shaft mounted on said ways and adapted to roll down said ways toward said drum, said shaft being adapted to be supported from said drum by a parent roll mounted on said shaft and contacting the drum, and means for controlling the axial position of



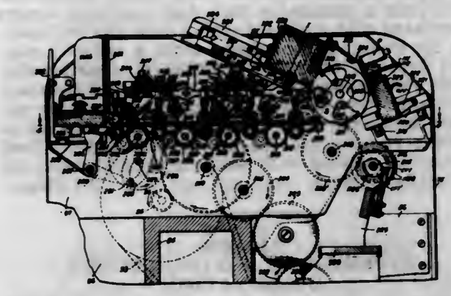
said shaft in its movement down said ways, said position controlling means comprising a spool on said shaft, a guide bar paralleling said ways and engaged with said spool, and means for adjusting the position of said guide bar laterally respecting said ways.

2,569,798
CARTRIDGE FEEDING DEVICE
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 7, 1942, Serial No. 450,032
5 Claims. (Cl. 89—33)



1. The combination with an automatic gun having a throat from which cartridges are intermittently fed into the firing chamber of the gun, of a magazine comprising means to guide a series of cartridges to the throat of the gun sideways in single file, said guide means including a curved section adjacent the throat of the gun pivoted on a transverse axis so as to be movable toward the throat of the gun to reduce the length of the path defined by said guide means and outward from the throat of the gun to increase the length of said path, while maintaining a continuous passageway for the cartridges; spring means biasing said pivoted section toward the throat of the gun, and means to press the cartridges through said guide means continuously, said pivoted section being moved outward against the force of said spring biasing means by the cartridges fed by said pressing means during intervals between feed of the cartridges into the firing chamber of the gun, and being moved inward by said spring biasing means each time a cartridge is fed into the firing chamber of the gun.

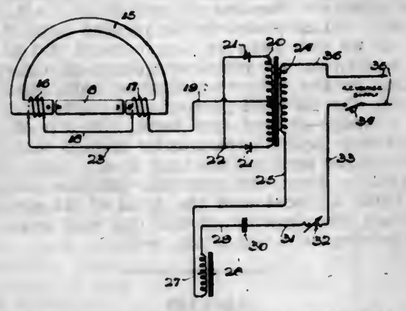
2,569,799
RECORD SORTING DEVICE
Fred M. Carroll, Binghamton, and Arthur F. Smith, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application November 28, 1942, Serial No. 467,244. Divided and this application May 15, 1946, Serial No. 669,860
2 Claims. (Cl. 209—110)



1. In a machine controlled by two classes of records bearing indicia representing accounting data, one of said classes of records bearing special indicia, a plurality of sensing stations with means for sensing said indicia, means for feeding said records one by one past said sensing means, means under control of said sensing means for operating machine controls, a pair of separate stackers for said classes of records, said stackers being displaced in the path of said records beyond said sensing means, means for sensing said special indicia, a common stacking drum around which said stackers radiate outwardly and are both cooperatively related thereto, said drum being situated beyond said sensing means and mechanically separated from all of said sensing stations and having means to carry the records to said stackers, the first of said stackers being within 180° of the point where a record is grasped by said carrying means beyond the sensing means, a deflector cooperating with said carrying means on the drum for directing one class of records into the first of said stackers, means for carrying the other class of records into the other stacker, a magnet for operating said deflector, and means under control of said special indicium sensing means for operating said magnet, whereby a record is taken off said drum and deposited in said first stacker in less than 180° of rotary movement of said drum.

2,569,800
ELECTRICALLY MODULATED VALVE
John B. Cataldo, Bernardsville, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y., a corporation of Delaware
Application April 22, 1949, Serial No. 88,927
2 Claims. (Cl. 236—74)

1. Apparatus of the class described comprising a control circuit, inductive and capacitive reactances in said circuit, said inductive reactance including a metallic core having magnetic properties which vary in response to temperature changes in the range to be controlled and the impedance of said circuit increasing as the temperature increases, a valve for controlling the flow of a heating medium, a permanent magnet connected to the valve stem, an electro-magnet having its poles opposed to like poles of said permanent magnet, and means for rectifying the current flowing in said circuit and supplying the

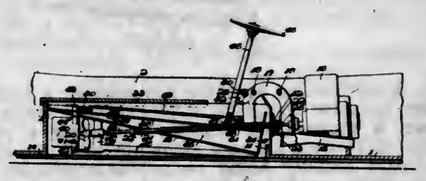


rectified current to said electro-magnet to open said valve by magnetic repulsion.

2,569,801
PREPARATION OF AZLACTONES OF PHENYLACETAMINO ACRYLIC ACIDS
Elmer W. Cook, New York, N. Y., Edwin Oscar Hook, Old Greenwich, Conn., and Samuel Kushner, Nanuet, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 12, 1947, Serial No. 728,202
1 Claim. (Cl. 260—307)

The process of preparing an azlactone of beta-methoxy-phenylacetamino acrylic acid which comprises dissolving phenylchloroacetyl-beta-methoxy alanine in acetic anhydride and pyridine at a temperature of approximately 0° C., allowing to stand while cool until dissolved, and adding the mixture to cracked ice, extracting with trichlorethylene, washing with iced dilute hydrochloric acid and iced dilute sodium bicarbonate, drying, and evaporating the solvent at a reduced pressure at a temperature not over 50° C., adding to the residue approximately twice its volume of benzene, cooling, and recovering therefrom beta-methoxy-phenylacetamino acrylic acid azlactone, melting at approximately 87 to 89° C.

2,569,802
INBOARD POWER UNIT FOR SHALLOW DRAFT BOATS
James W. Daniels, Fort Myers, Fla.
Application February 21, 1949, Serial No. 77,645
9 Claims. (Cl. 115—41)



1. A boat having a well in its bottom, a plate-like support forming a closure for the bottom of the well and maintaining the normal hull contour, said support having an extension over the forward end of the well and down outside the well toward the bottom of the boat, a power plant carried by said extension, a tubular shaft bearing extending downwardly at an angle through and secured to said plate-like support with its forward upper end projecting movably through an opening in the forward end of the well, flexible

sealing means between said tubular bearing and the end of the well, a drive shaft extending from said power plant through said shaft bearing, and a propeller on the end of said drive shaft, said support and extension being pivoted outside the well on an axis between the forward end of the well and the power plant whereby said support is tiltable in the well to withdraw said propeller therein, the forward part of said support carrying a wedge-shaped fuel tank, the top of said tank being inclined rearwardly toward said support and the depth of the tank at any point being no greater than the vertical distance between the tilted support and the level of its elevated rear end, the elevation of said rear end being not greater than the top of the well.

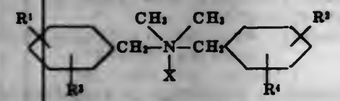
2,569,803

BIS(ALKYLBENZYL)DIMETHYL AMMONIUM HALIDES

Peter L. de Benneville, Philadelphia, Pa., and Louis H. Bock, Shelton, Wash., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 29, 1949, Serial No. 102,142
5 Claims. (Cl. 260—567.6)

1. As new substances, compounds of the formula



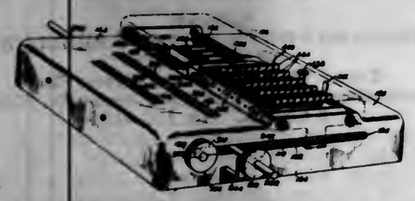
wherein R^1 and R^2 are alkyl substituents of three to ten carbon atoms each, the total number of carbon atoms in R^1 and R^2 being at least ten and not exceeding fifteen, R^3 and R^4 are selected from the class consisting of hydrogen and the methyl group, the total number of carbon atoms in R^1, R^2, R^3, and R^4 not exceeding sixteen, and X is a member of the class consisting of chlorine and bromine.

2,569,804

CALCULATING MACHINE

Fritz Albert Deutsch, Caracas, Venezuela

Application November 30, 1946, Serial No. 713,317
25 Claims. (Cl. 235—79)



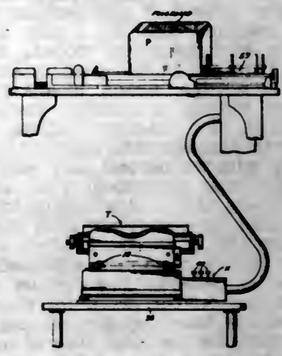
1. A calculating machine comprising: a multi-order actuator including a plurality of actuator racks, a multi-order register including a plurality of toothed register elements, said actuator and said register being reciprocable relative to each other, said actuator racks comprising an ordinal complement of individual toothed elements adjustable from a normal ineffective position to an effective position for alignment with said toothed register elements for operative meshing engagement during relative reciprocation of said register and actuator, setting means including a multi-order key-board, a row of movable digit keys in each order of said key-board, one key for each toothed actuator element, said setting means being operatively connected with said toothed actuator elements to adjust a selected number of said elements, equal to the digit value of the key depressed, to effective position, means for reciprocating said register and actuator relative to each other, said setting means including a support, a plurality of parallel rods rotatably arranged in said support, said rods being positively coupled with each other, each row of said digit-keys being frictionally mounted on one of said rods and being arranged for swinging movements about the axis of the associated rod, each toothed actuator element being rigidly connected with such a swingable digit-key, abutting means associated with each swingable digit key for limiting its swinging movement from a normal position into an actuated position, a clearing element secured to one of said rods, a first stop and a second stop mounted on said support for cooperation with said clearing element so as to limit a rocking movement thereof, and resilient means associated with said clearing element for normally holding same against said first stop.

2,569,805

TYPEWRITER AND CARD PUNCH COMBINATION

Charles R. Doty, Yonkers, Herman J. Klotz, Endicott, and Theodore D. Koranye, Vestal, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application February 14, 1947, Serial No. 728,600
10 Claims. (Cl. 164—115)



1. In a combined typewriter and digit card punch, the combination of an auxiliary digit keyboard, said typewriter having a typewriter carriage, a typewriter keyboard including digit and punctuation keys, digit card punching means, instrumentalities operated by said digit keyboard to effect concomitant operation of said digit card punching means and said digit typing keys, means for returning the typewriter carriage to a margin position, means responsive to the margin position of the typewriter carriage to effect the automatic operation of a selected punctuation typewriter key, and means operable as a result of the concomitant digit typing and digit card punching to effect another automatic operation of a selected punctuation key after the digit typing operation.

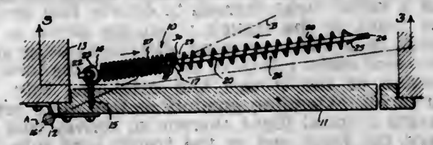
2,569,806

DOUBLE-ACTION DOOR HOLDER

Harper E. Dunlap, Walled Lake, Mich.

Application July 26, 1950, Serial No. 175,940
2 Claims. (Cl. 16—65)

1. A double-action door holder for attachment between a door frame and a door, comprising an eye member attachable to the door, a second eye member attachable to the door frame, a push rod pivotally engaging one of said eye members and slidably engaging the other eye member, and a tension spring having its opposite ends secured to the opposite ends of said rod and having an



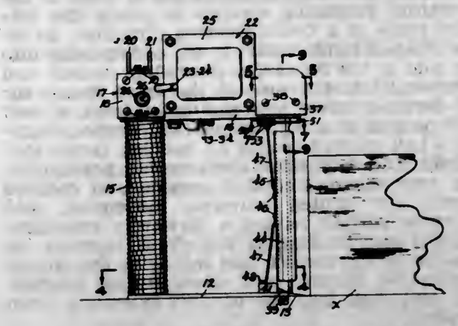
intermediate portion thereof secured to said door frame eye member, said rod passing substantially through the center of said spring and substantially along the axis thereof, said spring having a pair of spaced tension portions with a gap therebetween adapted to receive said door frame eye member.

2,569,807

ELECTRIC MARKING MACHINE

Clayton Morris Elstad, Minneapolis, Minn.

Application October 22, 1948, Serial No. 56,003
3 Claims. (Cl. 219—29)



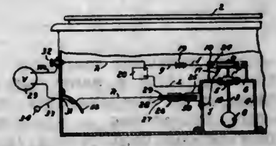
1. In a device of the class described, a base, a support overlying the base, an upright marking element, a guard in the form of a channel encasing the marking element, a leaf spring intermediately secured to the intermediate portion of the guard, the end portions of the spring being outwardly inclined, said spring at its lower end being anchored to the base, and insulating means on the support holding the upper end portion with freedom of endwise movement, said spring normally holding the guard with its side members projecting forwardly of the marking element.

2,569,808

MINE

Wesley N. Ensign, Jr., Babylon, N. Y.

Application December 19, 1944, Serial No. 568,905
1 Claim. (Cl. 102—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



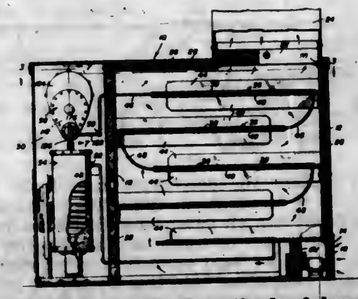
A land mine having a casing, electrical anti-disturbance means including electrically operable explosive means, a source of electric current associated with said explosive means for igniting same, a circuit including said explosive means, said current source and a normally open inertia-sensitive anti-disturbance switch arranged to close upon substantial physical disturbance of said mine, means external to said mine for indicating the circuit condition of said anti-disturbance switch, additional switch arming means comprising a pair of cooperating switch contact members spring-urged toward each other, an insulated member between said contact members for rendering said anti-disturbance means inoperative to ignite said explosive means whereby said mine may be placed in position in disarmed condition, and a flexible tension member operable from the exterior of said casing for pulling said insulating member from between said contact members to arm but not thereafter to disarm said mine.

2,569,809

HEATING METHOD AND APPARATUS

Frank M. Flynn, Binghamton, N. Y.

Application May 3, 1948, Serial No. 24,851
7 Claims. (Cl. 219—39)



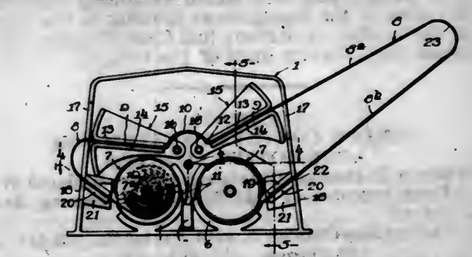
1. The hereindescribed method of heating a heat conveying medium which includes, while maintaining it at a relatively low pressure heating a relatively large volume of compressible gas to a temperature of not less than 700° C., compressing the gas so heated to a relatively high pressure, while maintaining said heated gas at the relatively high pressure absorbing the heat therefrom in a heat conveying medium, in the presence of heat reducing the pressure of the gas from which heat has been absorbed and repeating the cycle.

2,569,810

FOLDED DIPOLE ANTENNA

Edward C. Hamel, Itasca, Glenn A. Brown, Lombard, and Robert F. Pond, Chicago, Ill., assignors to Teleflex Antenna Co., Chicago, Ill., a corporation of Illinois

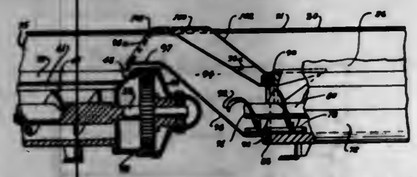
Application April 2, 1949, Serial No. 85,226
10 Claims. (Cl. 250—33.51)



1. A folded di-pole antenna adapted to be connected to a receiver, comprising a non-conducting

housing, a pair of metal casings mounted in the housing, a coiled semi-rigid metallic tape mounted in each casing in such manner that any desired length of tape may be selectively withdrawn or returned to its casing at will, the inner end of each tape being anchored in its casing and its outer end withdrawn and anchored in the housing and forming a fold outside the housing, means for electrically connecting the outer ends of the pair of tapes, and a conductor connected to the casings for transmitting the energy intercepted by the effective length of the antenna to the receiver, the folded portion of the tape being manually withdrawn to any predetermined length for reception of the desired signals.
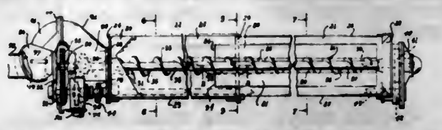
2,569,811
TENDER CONVEYER SYSTEM FOR LOCOMOTIVE STOKERS
William T. Hanna, Cincinnati, Ohio; Richard W. Todd executor of said William T. Hanna, deceased
Application September 16, 1947, Serial No. 774,199
5 Claims. (Cl. 198—15)



3. A system for conveying fuel from a long tender to a locomotive, including, in combination, a front trough extending horizontally under the forward part of longitudinal opening in the floor of a tender said opening having depending side walls extending into the trough; a fuel conveyor screw rotatably mounted in the trough; a drive means at the rear end of the trough for rotating the screw; a rear trough extending horizontally under the rear part of the opening in the floor of the tender and in alignment with the front trough, the delivery end of the rear trough abutting the drive means of the front screw; a fuel conveyor screw rotatably mounted in the rear trough, in axial alignment with the conveyor screw of the front trough; a rear drive mechanism for the screw of the rear trough; a by-pass conduit for receiving fuel from the delivery end of the rear trough for conveying said coal upwardly and across the screw drive means of the front trough to the rear end of the front trough, said conduit being circular in cross section at its receiving end but becoming flatly oval as it crosses said drive means; and a plate-like shield extending across the by-pass conduit and having portions sloping downwardly to the rear end of the front trough and the front end of the rear trough, and said shield extending between the sides of the longitudinal opening in the floor of the tender, to prevent fuel from dropping between the adjacent ends of the trough.

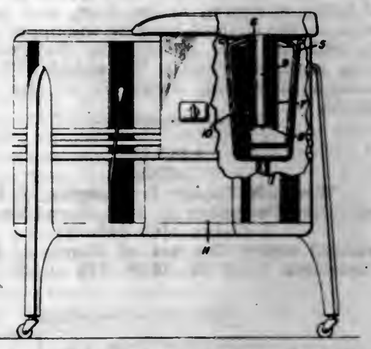
2,569,812
TENDER CONVEYER SYSTEM FOR LOCOMOTIVE STOKERS
William T. Hanna, Cincinnati, Ohio; Richard W. Todd executor of said William T. Hanna, deceased
Application October 7, 1947, Serial No. 778,341
37 Claims. (Cl. 198—15)

18. A fuel conveyor system for a locomotive including, in combination, a fuel trough extending lengthwise beneath a longitudinal aperture in the floor of the fuel bin of the tender, said trough opening upwardly toward the aperture and said trough having a cylindrical conduit section extending forwardly from the front end thereof; a rear conveyor screw rotatably mounted in the rear portion of the trough, said screw having a spiral flight thereon to convey fuel toward the front of the trough when the screw is rotated in a fuel-conveying direction; a forward conveyor screw rotatably mounted in the forward portion of the trough and extending into the forwardly extending conduit section, said screw having a spiral flight thereon to convey fuel toward the front end of the trough and into the forwardly extending conduit section, and said front and rear screw conveyors being exposed to the longitudinal aperture in the tender floor for receiving coal; drive means at the rear of the



trough to rotate the rear conveyor screw in a fuel conveying direction; drive means in front of the forwardly extending conduit to rotate the forward screw in a fuel-conveying direction; an elbow-shaped conduit having one end opening into the side of the forwardly extending conduit and extending laterally around the drive means for the forward screw and ending in front of said drive means in a hollow spherical portion forming a ball conduit having an opening facing forwardly; and a spherical shell conduit portion fitting over the ball conduit portion and coupled thereto for limited universal movement, said spherical portion having a forwardly extending straight conduit opening therefrom, whereby, on rotation of the screws, fuel falling in the trough is conveyed through said elbow-shaped conduit, ball, and shell into the conduit extending from the shell.

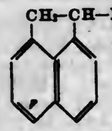
2,569,813
CENTRIFUGAL JUICE EXTRACTOR
Clarence Kappes, Rock Island, Ill.
Application August 25, 1949, Serial No. 112,372
2 Claims. (Cl. 210—63)



1. In a power operated machine including a spinning chamber, and a centrifugal juice extractor positioned in the chamber for rotation therewith and comprising a container having a friction driving engagement with the chamber, a cage in the container, and a foraminous cylinder supported in the cage for rotation with the container.

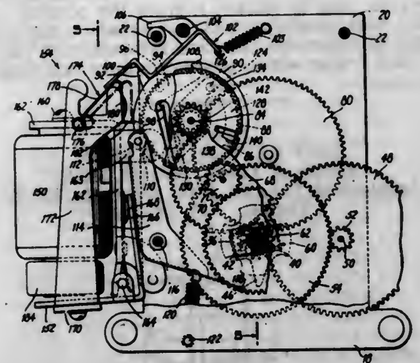
2,569,814
β-HALOETHYLAMINES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application December 15, 1948, Serial No. 65,508
6 Claims. (Cl. 260—570.7)

1. β-Haloethylamines having the structure



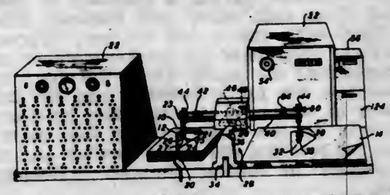
in which Z is a member of the group consisting of lower alkyl groups, lower alkenyl groups, phenylalkyl groups, the alkyl portion of which does not exceed 4 carbon atoms, methoxy-substituted phenylalkyl groups, the alkyl portion of which does not exceed 4 carbon atoms; R_1 and R_2 are members of the group consisting of hydrogen and methyl; and X is a member of the group consisting of chlorine and bromine; and acid addition salts of said compounds.

2,569,815
SYNCHRONOUS MOTOR CONTROLLED SECONDARY CLOCK
Clinton E. Larrabee, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 30, 1948, Serial No. 5,447
10 Claims. (Cl. 58—26)



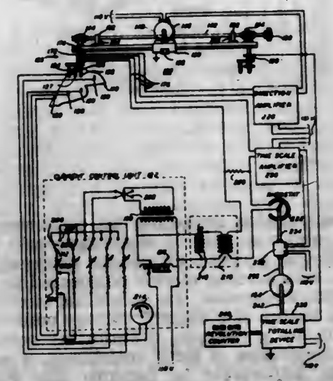
1. In a secondary clock mechanism, a rotatable seconds member, a rotatable minutes member, means normally rotating each of said members at their normal time-keeping rates of one revolution per minute and one revolution per hour respectively, a rotatable clock-advancing member, clutch means operative for connecting said clock advancing member and seconds member in driving relationship for causing the latter to rotate at the speed of the former, a latch member normally rendering said clutch means inoperative, means for tripping said latch member to permit said clutch means to become operative, said last mentioned means comprising an electromagnet responsive to the reception of a signal at a predetermined chronological time, an armature for said electromagnet, a trip member pivotally connected to said armature and movable bodily therewith, said trip member being movable when said armature is attracted by the electromagnet into operative engagement with said seconds member whereby said tripping means is actuated.

2,569,816
ELECTRICAL ANALOGUE
Burton D. Lee, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 1, 1947, Serial No. 788,989
4 Claims. (Cl. 235—61)



1. In determining field distribution in an electrical device, the improvement which comprises imposing on a pool of electrolyte corresponding in shape to a section of the device electrical potentials corresponding in magnitude and location to field forces acting upon the section, exploring the pool by moving at least one electrode therein in a direction corresponding to that extending across the section to locate a line of equipotential points in the pool, moving the electrode similarly in the pool to locate another line of equipotential points differing from the potential of the first line, plotting current flow lines normal to the equipotential lines thus located on a chart of the section, locating points of equal electrical gradient on the flow lines in the pool thus located by electrical measurement of the gradient along the lines, and plotting the points of equal gradient thus located on the chart.

2,569,817
ELECTRICAL ANALOGUE
Alexander Wolf and Burton D. Lee, Houston, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 15, 1947, Serial No. 791,796
16 Claims. (Cl. 346—33)



4. In a device for determining the condition of a force system operating at least approximately in accordance with Laplace's equation and having an electrically conductive body the shape of which is analogous to the system and means for impressing across the body an electrical poten-

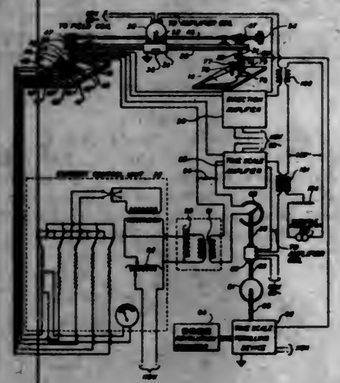
tial analogous to the force impressed upon the system, the combination which comprises chart supporting means, a rotatable probe member having at least three electrical contacts spaced from and out of line with each other and arranged to contact the body, one of the contacts being disposed on the axis of rotation of the probe member, means for measuring the potential between a first set of two of the contacts, means for measuring the potential between another set of two of the contacts which define a line transverse to that defined by the first set, a rotatable marker member having a plurality of markers spaced from each other and disposed adjacent the chart with one of the markers disposed on the axis of rotation of the marker member, means for contacting the markers with the chart, means for moving the probe member and the marker member in unison to corresponding positions respectively on the body and on the chart and means for rotating the probe member and marker member in unison through corresponding angles.

2,569,818

DYNAMIC LUBRICATION OF MECHANICAL LINKAGES EMPLOYED IN ELECTRICAL ANALOGUES

Burton D. Lee, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application March 2, 1948, Serial No. 12,669
8 Claims. (Cl. 318—28)



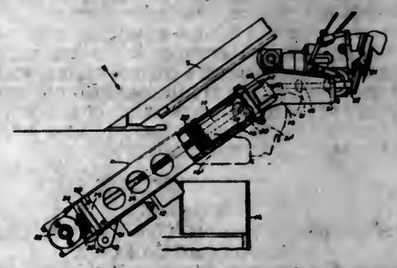
1. In apparatus including an exploring probe movable above a pool of electrolyte and having a plurality of probing electrodes projecting into the pool, a balancing circuit connected to two of the probing electrodes, the balancing circuit comprising a source of standard voltage connected in opposition to a voltage differential across the probing electrodes, a fixed resistance, a variable resistance adjustable to balance the standard voltage across the fixed resistance with the voltage differential between the electrodes, and an amplifier connected so as to amplify the current flow in the circuit when the voltages are not balanced, the combination which comprises an induction motor mechanically linked to the variable resistance and provided with amplifier coils, the amplifier coils of the motor being connected to the output of the amplifier to receive alternating current therefrom so that current flow to the amplifier will actuate the motor which will in turn vary the variable resistance in the direction of balance, and means for superposing current of different frequency on the current supplied to the amplifier coil by the amplifier.

2,569,819

AIRCRAFT GUN SIGHT MOUNTING

Marcel Jules Odilon Lobelle, Maidenhead, England, assignor to M. L. Aviation Company Limited, Maidenhead, England, a British company

Application October 26, 1948, Serial No. 56,536
In Great Britain June 30, 1947
8 Claims. (Cl. 33—49)



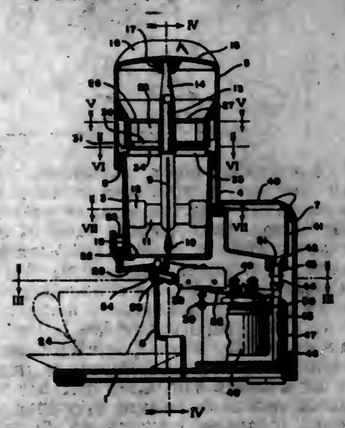
1. A retractable gunsight mounting for aircraft comprising a guide frame, means for mounting said frame in the aircraft, a carriage slidably mounted in said frame, gunsight supporting means fixed upon said carriage, reversible power-operated means adapted to advance said carriage towards, and to retract it from the combat position, and precision locating means adapted to align said gunsight in fixed relation with respect to said frame when advanced into said combat position.

2,569,820

HOT BEVERAGE MAKER

Arthur A. Locke, Detroit, Mich.

Application June 21, 1946, Serial No. 678,332
8 Claims. (Cl. 99—281)



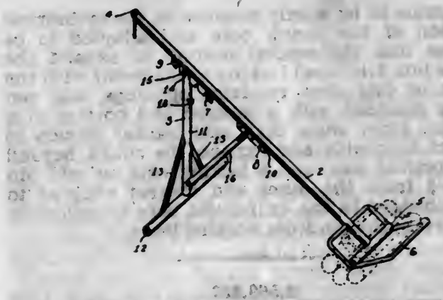
1. An appliance for preparing hot beverage comprising a mixing container, a hopper positioned above the mixing container for retaining a quantity of solid particles, a measuring container interposed between the hopper and the mixing container for delivery of a metered quantity of particles from said hopper to said mixing container, a liquid container and a heating element for heating the liquid in said container, a conduit forming a communication betwen the liquid container and the mixing container for conducting liquid from said liquid container to said mixing container, said mixing container having a releasable outlet at its lowermost portion, said mixing container having an opening at the bottom thereof through which solid particles may be ejected, and a rotatable wall in the mixing container and forming a dividing partition between said outlet and said opening and forming two compartments in said mixing container each of which compartments alternately communicates with said outlet and said opening by rotation of said wall within said mixing container.

2,569,821

COLLAPSIBLE ROOF CRANE

Elmer Fredrick Maxeiner, St. Louis, Mo.

Application March 10, 1948, Serial No. 14,063
2 Claims. (Cl. 248—237)



1. In a portable knock-down roof crane consisting of two members, one of said members comprising an upright pipe, a substantially circular cross-sectioned transverse pipe fixed to the lower end of said upright pipe to provide a pivotal bearing engageable thereat with the roof, a tie rod pivotally secured at one end to said lower end of said upright pipe, means on said pipe to detachably latch the upper end of said tie rod thereagainst into collapsed inoperative position closely adjacent said pipe, said second member comprising an inclined pipe to provide a jib, means on said inclined pipe to adjustably interlock with the upper ends of said upright pipe and with said tie rod, a substantially circular cross-sectioned transverse pipe fixed to the lower end of said jib pipe to provide a rounded bearing thereat with said roof, and a frame on said lower end of said jib pipe and extending transversely as well as forwardly and rearwardly of the same to provide a trough to receive roofing materials removably deposited thereon and to anchor the crane to the roof thereat.

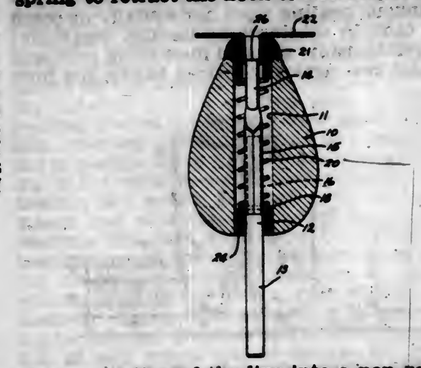
2,569,822

FISHING BOB

Walter C. Miller, West Allis, Wis., assignor to Frabill Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 20, 1946, Serial No. 655,812
3 Claims. (Cl. 43—44.95)

3. In a fishing bobber adapted for detachable connection with a fish line, the combination with a body having a bore and a lining at one end of the bore, of a stem slidingly mounted in the bore with one end normally exposed and the other end provided with a hook normally housed within the bore, and a spring normally holding the hook within the bore, said stem being subject to pressure on its exposed end to project the hook from the bore where it may be loosely engaged by the line, release of said pressure permitting the spring to retract the hook to housed position and



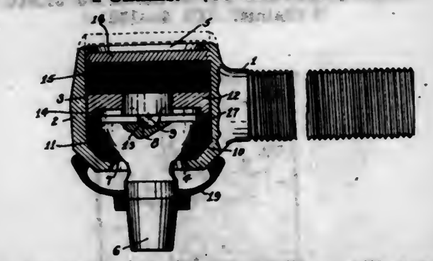
draw a portion of the line into a non-rectilinear path within the bore and against the bore lining, said stem having a relatively close fit within the bore, and the hook being of less width than the stem whereby to provide clearance between the bore and the hook to accommodate without pinching the line drawn by the hook into the bore.

2,569,823

SELF-LUBRICATED STEERING KNUCKLE JOINT

Milton A. Meskovits, Fairfield, Ill.

Application July 16, 1947, Serial No. 761,352
4 Claims. (Cl. 287—90)



1. In a ball joint, the combination with a pair of movably interconnected members one of which has a ball end and the other of which has a socket to receive said ball, of a bushing in said socket to seat said ball, a pressure plate movable within said socket to engage said ball, lubricant-impregnated means entirely within said socket to communicate with the ball-engaging seat of said bushing and movably engaged by said pressure plate, and a rubber-like plug compressed into said socket and spaced from said ball to constantly exert pressure against the pressure plate and completely seal said socket against lubricant leakage therepast.

2,569,824

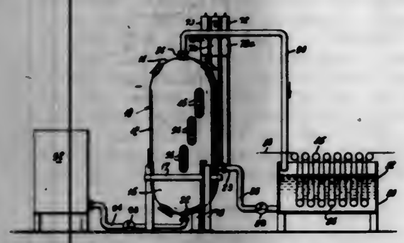
HEATING DEVICE FOR MOLTEN MATERIALS

Robert L. Nail, New Orleans, La., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Application February 12, 1948, Serial No. 7,812
4 Claims. (Cl. 126—343.5)

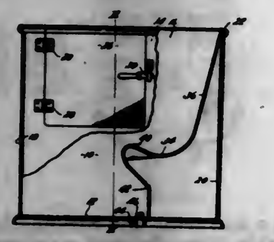
4. A device for continuously heating molten asphalt and the like to temperatures of the order

of 450° F. to 525° F., comprising a vertical tank adapted for continuous upward passage therethrough of the molten material to be heated, an inlet for the liquid in the lower portion of said tank, an outlet for the liquid in the upper portion of said tank, a plurality of individually-fired, sinuous heating flues horizontally disposed in said tank in substantially parallel vertically-spaced relationship, the said flues being arranged in at least two vertically-spaced banks, the flues



of one bank being horizontally offset with respect to the flues of the adjacent bank, and a stack adjacent each bank of flues adapted to receive the exit gases therefrom, each of said flues being arranged to extend over a substantial portion of the internal horizontal cross-sectional area of said tank whereby to permit intimate contact between the exterior surface of the flues and the molten material passing upwardly through said tank.

2,569,825
BATHTUB
Howard J. Otis, Kansas City, Mo.
Application June 7, 1948, Serial No. 31,510
7 Claims. (Cl. 4—173)



1. A bath tub comprising a cabinet having side and end walls of substantially the same height as the length of the tub, a door opening extending downwardly from the upper edge of one of said walls to substantially the vertical center of said wall, a hinged closure adapted to close said opening, and a seat formed in said cabinet adjacent said closure beneath the lower edge of said door opening, said door opening being in a wall transverse to said seat and extending forwardly from said seat.

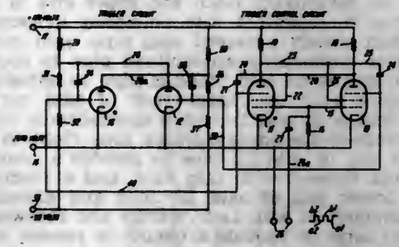
2,569,826
RIVET
Elsa E. Packard, Los Angeles, Calif.
Application May 17, 1948, Serial No. 27,591
2 Claims. (Cl. 85—40)

1. In an expansible rivet, adapted to extend through aligned rivet receiving openings in workpieces to be connected in shear relation, comprising a shank of a length substantially equal to the combined thickness of the workpieces, a head on one end of said shank to form a stop when the shank is snugly received in the bores of the workpieces, said shank and head being provided with a central bore which is formed cylindrical from the tail end of said rivet to a point intermediate the ends of the shank and terminating in a conical bore for the remainder of the shank length converging in a direction opposite to said head end, said shank being diametrally and longitudinally split in a direction from the end opposite said head end to a point intermediate the length of the shank extending substantially the full length of the conical bore portion, an expansion pin of a diameter to permit



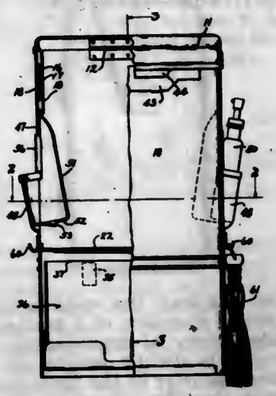
the same to be snugly received in the cylindrical portion of the shank bore and adapted to be driven into the conical portion to expand the same into frictional locking engagement with the walls of said rivet receiving openings, said pin being provided with a tapered end portion of a greater taper angle than said conical portion to co-act therewith and expand the shank beyond its nominal size, and a locking ring on said pin spaced from the other end thereof adapted to be imbedded in the cylindrical bore of said rivet to prevent the pin from working loose.

2,569,827
POLARITY PULSING OF TRIGGERS
Robert C. Paulsen, West Caldwell, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 29, 1948, Serial No. 67,883
7 Claims. (Cl. 250—27)



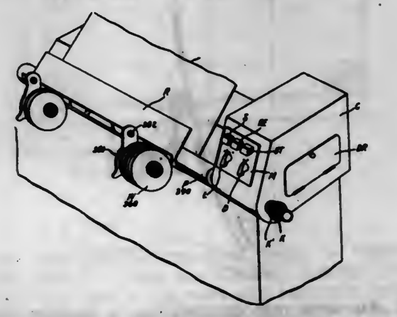
1. A trigger control circuit having two grid controlled pentodes each operable to a conductive and to a non-conductive condition, connections from the plate of each pentode to the screen grid of the other and capacitive connections from the plate of each pentode to the suppressor grid of the other, connections between the control grids of the pentodes for receiving pulses of opposite polarities to be applied simultaneously to the control grids, a connection from each of the suppressor grids to a tube of a trigger circuit for rendering the trigger circuit responsive to a switching of the control circuit and also rendering the control circuit non-responsive to pulses of one polarity applied to its control grids.

2,569,828
TOWEL CABINET
Finley Curtiss Peacock and John B. Engel, Green Bay, Wis., assignors to Bay West Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application April 30, 1945, Serial No. 591,192
12 Claims. (Cl. 312—100)



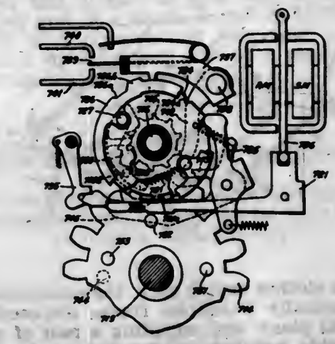
1. A towel service cabinet for outdoor use subdivided into upper and lower compartments by an intermediate partition, the upper compartment having side openings and a drainage outlet in its rear wall and said partition having drainage channels leading to said drainage opening, in combination with a raised support for said cabinet provided with a cabinet supporting bracket and a flanged slide plate secured to the rear wall of the cabinet, with its flanges interlockingly engageable with said bracket, said cabinet having a hinged lid affording access to the space above the partition and an opening in its bottom affording access to the space below the partition, whereby the contents of the cabinet are accessible by persons with soiled hands without soiling the walls of the cabinet.

2,569,829
RECORD CONTROLLED PRINTING DEVICE WITH FEED CONTROL TAPE
Edward J. Rabenda, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 2, 1949, Serial No. 91,026
38 Claims. (Cl. 235—61.6)



14. In a machine controlled by records, said records being divided into groups, each group containing a heading record with a plurality of fields of address indicia, a distinguishing indicium and a special numerical indicium denoting the number of address fields, each group also containing item records with common account number indicia, a plurality of sensing stations, means for advancing said records one by one through said stations successively, means at the first of said stations for detecting said special indicia and the appearance of a heading record and the number of fields thereon, means under control of said second sensing station for printing the data sensed on the records, storage devices for holding the different lines of address data, multiple line reading devices including means under control of said detecting devices for holding a heading record in position to be analyzed successively according to the value of said special number indicium thereon and means for controlling said printing means and said storage devices to receive successively the data from separate fields on said heading record, group control devices for detecting changes in account numbers on successive records, a program device with means for successively closing different sets of contacts relating to different program steps, means under control of said group control devices for initiating operation of said program devices, said sets of program contacts being connected between said storage devices and the printing means to control successive recording of lines of address from storage.

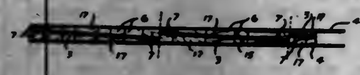
2,569,830
ACCOUNTING MACHINE WITH MEANS FOR HANDLING POSITIVE AND NEGATIVE BALANCES
Edward J. Rabenda, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 4, 1950, Serial No. 147,639
9 Claims. (Cl. 235—61.8)



1. In an adding and subtracting accounting machine, an accumulator wherein negative amounts are adapted to be entered as complements and additive amounts as true digits and said accumulator represents by a 9 in the highest denominational order a negative balance condition when negative amounts exceed the additive amounts numerically, printing means, total taking means including conversion means associated with said accumulator for converting the negative balance amount to true digit representations and causing said printing means under control of said accumulator to print a negative balance as a true number, means for sensing the presence of a 9 in the highest order after entry of each number for ascertaining a negative balance condition in said accumulator, means under control of said sensing means and responsive to

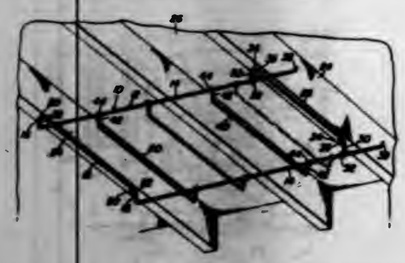
the presence of 9 as a result of an entry operation which changes said accumulator from a positive balance condition to a negative balance condition, and means controlled by said responsive means upon detection of a negative balance to cause the automatic operation of said total taking means and said conversion means for converting the negative balance amount to true digit representations and to cause said printing means under control of said accumulator to print the negative balance as a true number balance amount.

2,569,831
METHOD OF MAKING BEVELLED SIDING
Thomas Herbert Ryall, New Westminster, British Columbia, Canada
Application November 19, 1949, Serial No. 128,375
4 Claims. (Cl. 154—118)



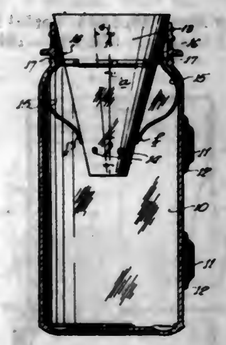
1. The method of making bevelled siding which consists of forming a core of lengths of relatively rectangular material laid in side by side relation, applying a veneer to opposite faces of the core and dividing the core diagonally edgewise between the veneers and applying a second veneer to the faces formed by dividing the core.

2,569,832
CLOTHES DRYING RACK
Arthur C. Sheemer, Garrett, Ind.
Application March 24, 1950, Serial No. 151,597
2 Claims. (Cl. 211—119)



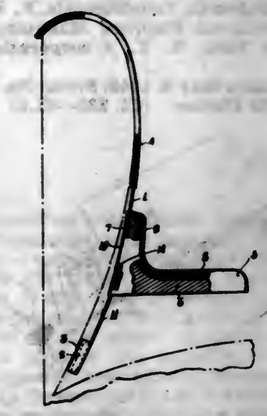
1. In a clothes drying rack, the combination of a substantially U-shaped frame disposed in a horizontal plane and including a pair of spaced parallel side members having upturned portions at one end thereof provided at their upper ends with a pair of eyes, and a bight portion spaced upwardly from said side members and extending transversely between said eyes, fastening elements extending through said eyes for securing said frame to the under side of a supporting structure, an inverted U-shaped member adapted to be secured to the stated supporting structure and including a pair of downwardly extending limbs provided at their lower ends with eyes slidable on the free end portions of the respective side members, and a plurality of rods extending transversely between said side members, said rods being provided at the opposite ends thereof with eyes slidable on the respective side members between said limbs and the upturned portions of the side members, whereby mutual spacing of the rods may be varied.

2,569,833
LIVE BAIT TRAP AND CONTAINER
Park P. Simpson, Sr., Dallas, Tex.
Application February 3, 1947, Serial No. 726,695
2 Claims. (Cl. 43—100)



1. In a live bait trap, the combination with a fruit jar having a shoulder, of a frusto-coniform and perforated body of transparent material, whose large end is slightly greater in diameter than the inner diameter of the neck of said fruit jar above said shoulder, diametrically opposed straps of resilient, distortable material on said body, said straps being of equal width throughout their length and attached to said body at both ends below the point of greatest diameter thereof and outwardly bowed intermediate their ends and loops secured to the body at diametrically opposite sides thereof near the large end thereof, said strips having end portions slidable along said body while confined by said loops adapted to yield to said shoulder during passage of said body into and out of the neck of said fruit jar and effective upon resuming their normal shape within said jar, to retain said body therein by their engagement with said shoulder.

2,569,834
ARMREST
James W. Smith, Austin, Tex.
Application October 28, 1949, Serial No. 124,145
6 Claims. (Cl. 155—112)



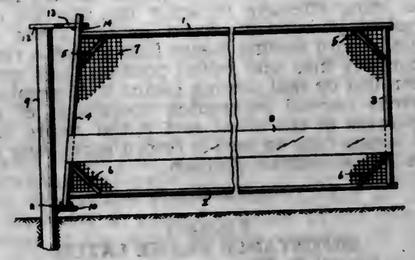
1. An arm rest comprising, a hanger formed into a hook at its upper end to engage over the back of a vehicle seat, a support having an outstanding arm and an upstanding arm, the latter of which is adjustable on the hanger, means for maintaining said support at any selected point of adjustment and means carried by the hanger engageable with the seat to space the support from the seat.

2,569,835
LEVELING AND SCRAPING APPARATUS WITH LEVEL MAINTAINING HITCH
Howard R. Stroup, Artesia, N. Mex.
Application April 11, 1946, Serial No. 661,394
4 Claims. (Cl. 37—150)



1. A leveling and scraping apparatus adapted to be coupled to a tractor, a substantially rectangular frame, a vertical post on said frame, an elongated bar pivotally connected to said post and to said tractor, a pair of substantially flat spaced parallel ground engaging runners on said frame, a shaft extending across said frame, forwardly extending arms formed on the ends of said shaft and journalled in said frame, a pair of spaced wheels, and means on said wheels for connecting the wheels to said arms, an upright carried by said shaft, a scraping blade, a cable connected to said upright and said tractor, means on the front of said frame engageable with said cable and said elongated bar, and means on said tractor for moving said cable and said upright whereby a cable induced movement of the means on the front of said frame vertically moves said frame relative to said bar for retaining said runners substantially level.

2,569,836
GATE
Lyle C. Tilbury, Hunt, Tex.
Application September 23, 1947, Serial No. 775,585
5 Claims. (Cl. 39—84)



1. In combination, a gate post, a support thereon near the lower end thereof, a hinge strap on the upper end of the post and having a longitudinal slot extending out radially relative to the post, a gate having a frame, a depending extension on the gate which pivots on said support and an extension on the gate which projects upwardly through said slot.

2,569,837
LIFTING DEVICE
Julio Villars, Versoix, Switzerland
Application June 28, 1946, Serial No. 680,120
In Switzerland March 14, 1946
2 Claims. (Cl. 254—92)



1. In a vehicle lifting device, the combination, comprising means engageable with the vehicle to be lifted, a pair of sleeves each connected at its lower end to the first means and carrying roller means near its upper end and at the side facing the first means and near its lower end and at the opposite side a second roller means, a pair of supporting tubes each receiving a sleeve and with its interior engaging the roller means thereof, each tube having a slot of predetermined length and receiving a part of the first means, each tube being supported axially at its upper end and supported against transverse motion at its lower end, a pair of nuts each mounted in the upper end of a sleeve, a pair of screws each coacting with one of said nuts and rotatably suspended in the upper end of a related tube, and means driving the screws.

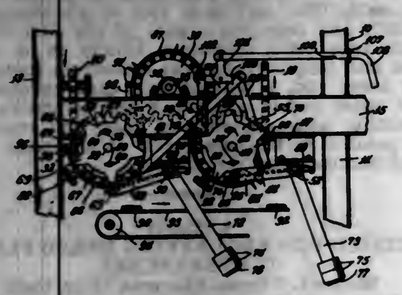
2,569,838
DEVICE FOR REGULATING MIXED FLUID TEMPERATURES
Walter L. Vinson, Sherman Oaks, Calif.
Application June 17, 1946, Serial No. 677,243
12 Claims. (Cl. 236—12)



1. In a device for mixing fluids of different temperatures and for controlling the tempera-

ture and discharge of a mixture of the fluids, the combination of: a housing providing respective inlets for the fluids of different temperatures and providing by-pass and service outlets for the mixture; thermostatic means associated with said inlets for controlling the relative flows of said fluids through said inlets to produce a mixture of controlled temperature; adjustment means operatively associated with said thermostatic means for changing said controlled temperature; and outlet control means operatively associated with said thermostatic means for delivering said mixture to said by-pass outlet until the same is at a temperature differing from said controlled temperature by a predetermined amount, and for then flowing said mixture through said service outlet, said outlet control means including a hydraulically-actuable outlet valve which is movable from a first position wherein it closes said service outlet and opens said by-pass outlet to a second position wherein it opens said service outlet and closes said by-pass outlet, and said outlet control means further including control valve means actuable by said thermostatic means for applying the pressure of said mixture to said outlet valve to move same from said first to said second position.

2,569,839
UNLOADING MECHANISM FOR COOKY COATING CONVEYERS
Nathan J. Watson, Sioux City, Iowa, assignor to Johnson Biscuit Company, Sioux City, Iowa, a corporation of Iowa
Application June 1, 1949, Serial No. 96,468
10 Claims. (Cl. 198—185)



1. In combination with a dip-coating conveyor for the production of cookies and the like and including substantially parallel side chains carrying hook bars in spaced and substantially parallel relationship, said hook bars being suspended for normally free rotation relative to the chains and having rows of spaced tangs projecting therefrom in opposite directions, and said conveyor chains being guided at an unloading position by three pairs of sprockets carried by three shafts and disposed so that the axis of one pair of sprockets is between and offset from the axes of the other two pairs of sprockets, an unloading mechanism including cams secured to the shafts of said other pairs of sprockets and having cam projections thereon spaced to correspond to the spacing of the hook bars on the conveyor chains, means for adjusting the positions of the cam projections relative to the positions of the hook bars, a shaft supported for rotational movement adjacent each of said other pairs of sprockets and each having a row of fingers thereon projecting between and closely adjacent opposite sides of the tangs on the hook bars, parts secured to each of the latter mentioned shafts and engaging one of said cams for effecting movements of the projecting ends of the fingers longitudinally of the tangs from and to positions close to the hook bars, and guide means for determining the positions of the hook bars and tangs relative to the conveyor chains as said chains pass around said sprockets.

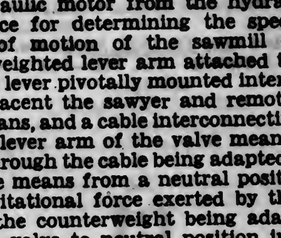
2,569,840
RECORD FEEDING AND RECORDING APPARATUS
Richard J. Whalen and Stanley T. Kulpa, Poughkeepsie, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 16, 1949, Serial No. 116,104
5 Claims. (Cl. 235—61.11)



1. In apparatus of the type described, the combination of means providing a passage for receiving a record containing data-representing designations; means determining an initial record sensing position in said passage; initial record feeding means operable to feed records one at a time into said passage and to said initial record sensing position; sensing means operable upon a completion of the operation of said initial feeding means and normally effective to sense initially a part of the record at said initial position and operable thereafter to sense remaining parts of said record, said sensing means also being effective to sense the absence of a properly positioned record in the event said initial record feeding means fails to feed a record accurately into said initial position; and means controlled by said sensing means and operable to prevent normal succeeding operations of said apparatus in the event said initial record feeding means fails to feed a record accurately into said initial sensing position.

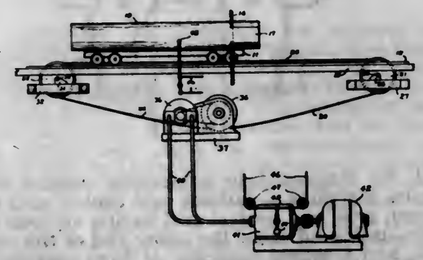
2,569,841
ADJUSTABLE BRAKE LATCH
Orville N. Whitefield, Senora, Tex.
Application June 27, 1949, Serial No. 101,605
2 Claims. (Cl. 74—533)

1. In combination with a lever adapted to actuate a brake, an adjustable latch comprising a bracket having an elongated slot for receiving the lever, spaced notches in said bracket extending into said slot for retaining the lever at a desired adjusted position, spaced slots in said bracket and headed screws extending through said slots and adapted to be secured to a support, and means for adjustably raising and lowering said bracket, said means including threaded bores in the heads of said screws, an elongated threaded bolt engaged



in said bores, and means securing said threaded bolt to said bracket.

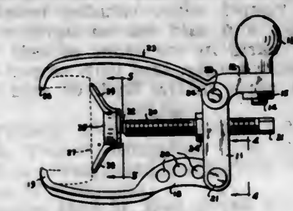
2,569,842
SAWMILL HYDRAULIC CARRIAGE ASSEMBLY
George E. Zweifel and Donald H. Bookhultz, Portland, Oreg., assignors to George E. Zweifel & Company, Portland, Oreg., a partnership
Application March 12, 1947, Serial No. 734,250
2 Claims. (Cl. 143—108)



1. A sawmill carriage assembly which comprises a sawmill carriage adapted to reciprocate with respect to a saw, a rotary, hydraulic motor, means for operatively interconnecting the hydraulic motor and the sawmill carriage, a rotary hydraulic pump, conduit means interconnecting the hydraulic pump and the hydraulic motor, motor means for driving the hydraulic pump, valve means for controlling the volume and direction of flow of hydraulic fluid pumped through the hydraulic motor from the hydraulic pump, and hence for determining the speed and direction of motion of the sawmill carriage, a counterweighted lever arm attached to the valve means, a lever pivotally mounted intermediate its ends adjacent the sawyer and remote from the valve means, and a cable interconnecting the lever and the lever arm of the valve means, the lever acting through the cable being adapted to displace the valve means from a neutral position against the gravitational force exerted by the counterweight, the counterweight being adapted to return the valve to neutral position in the event of failure of the cable, thereby shutting off the flow of hydraulic fluid through the hydraulic circuit and arresting the motion of the sawmill carriage.

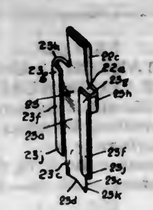
2,569,843
TRAILER HITCH
Max Adler, Karl Katkowsky, and Isadore Katkowsky, Detroit, Mich.
Application September 3, 1949, Serial No. 114,004
3 Claims. (Cl. 280—33.44)

1. A trailer hitch adapted for attachment to a vehicle rear bumper comprising an upright support including a trailer attaching element, said support being bifurcated at its lower end, a bifurcated clamp pivotally mounted at one end upon said support with its other end adapted to extend around the upper portion of said bumper, and a second oppositely arranged clamp extending within the bifurcated portion of said support,



and pivotally joined thereto in spaced relation to the pivotal mounting of said first clamp with its other end adapted to extend around the lower portion of said bumper, and a screw threadably and adjustably positioned through said support intermediate the pivotal mountings of said clamps and cooperatively engageable with the outer wall portion of said bumper.

2,569,844
DENTAL INSTRUMENT CONSTRUCTION
Abraham Berliner, Brooklyn, N. Y., assignor to Gollobin Dental Co., Inc., New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,032
6 Claims. (Cl. 32—46)

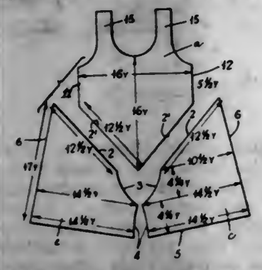


1. A dental instrument having a handle, an elongated relatively flat blade extending from said handle formed with a cutting edge along the entire periphery thereof including a leading end, and spaced apart guard members integrally formed with a portion of said blade adjacent the handle, said guard members being offset in parallel alignment with respect to oppositely positioned cutting edge portions of said blade and terminating in free ends short of said blade leading end, said guard members each being uniformly spaced from the adjacent portion of the cutting edge to provide self-limiting means for predetermining thickness of slices of tissue to be cut on effective manipulation of the instrument, said blade having a convex surface on a side thereof opposite said guard members.

2,569,845
CHILD'S GARMENT
Lenore B. Cooley, New York, N. Y.; The First National Bank of Santa Fe, Santa Fe, N. Mex., executor of said Lenore B. Cooley, deceased
Application May 3, 1947, Serial No. 745,858
2 Claims. (Cl. 2—78)

1. A child's garment formed of a multiplicity of panels comprising upper front and back panels

terminating at the bottom in V shapes, a plurality of lower side panel parts, each part having two edges forming a right angle, one of said edges being at the bottom of the part, the other being an upright edge, a third edge sloping from the top of the upright edge, a second short upright edge, and a fifth edge running between said sloping edge and said second upright edge, said fifth named edges running between said sloping edge and said second upright edge of said panel parts in the front of said garment being joined together, said fifth named edges of said panel parts in the back of said garment



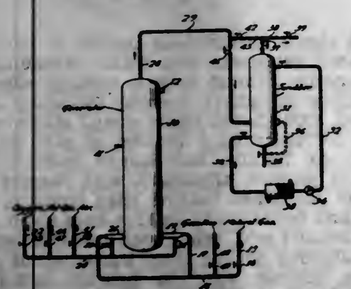
being joined together, the third named edges of said lower side panel parts being fastened to the converging edges of the lower V portions of the upper front and back panels, the second short upright edges of said lower side panel parts on each side being joined together along a leg seam, the front and back panels joined along their meeting edges to form side seams, and adjacent lower panel parts being joined along their longer upright edges to form side seams continuing said first named side seams.

2,569,846

METHOD OF STARTING A UNIT FOR HIGH-TEMPERATURE REACTIONS

Paul W. Cornell, Mount Lebanon, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 30, 1948, Serial No. 68,271
8 Claims. (Cl. 48—196)



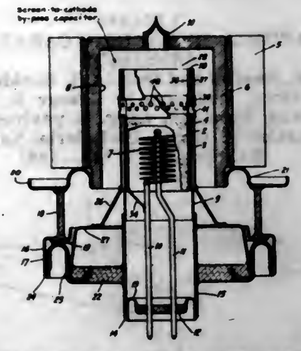
1. A process for starting a unit employed in carrying out a high temperature exothermic reaction initiated at an elevated temperature above 1000° F. without requiring the use of ignition devices, which comprises heating the unit to a temperature substantially below the reaction initiation temperature of the charge mixture to be employed in said reaction but above the ignition temperature of a mixture of an oxygen-containing gas and a fuel ignitible at a low temperature by passing hot gas heated externally of the unit through said unit, introducing said mixture of an oxygen-containing gas and a fuel into the unit and automatically igniting said last-mentioned mixture within the unit by means of the heat contained therein, continuing the introduction and combustion of said last-mentioned mixture until the unit is heated at least to the reaction initiation temperature of a mixture comprising the charge mixture, and introducing said charge mixture, automatically initiating reaction therein by the heat contained in the unit, and removing desired reaction products from the unit.

2,569,847

HIGH-FREQUENCY TETRODE WITH BUILT-IN CAPACITOR

William W. Eitel, Woodside, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application April 8, 1949, Serial No. 86,231
9 Claims. (Cl. 315—58)



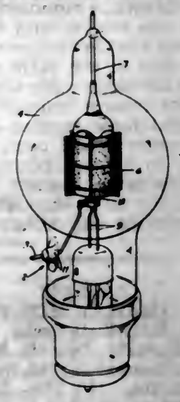
1. An electron tube comprising coaxial electrodes including a cathode and control grid and screen grid, said control grid having an open end terminating adjacent the upper end of the cathode, and a bypass capacitor of fixed capacitance located above said electrodes and connected to the upper ends of the screen grid and cathode, said capacitor structure being bridged between the screen grid and cathode above the terminal end of said control grid.

2,569,848

ELECTRON TUBE SEAL STRUCTURE

William W. Eitel, Woodside, and Martin E. Wolfe, Burlingame, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California

Application May 31, 1950, Serial No. 165,334
3 Claims. (Cl. 313—318)



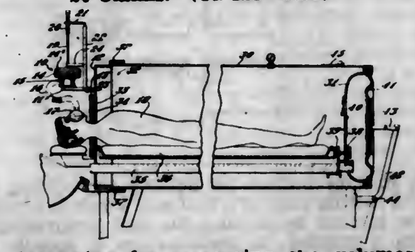
1. An electron tube comprising an envelope having a glass wall, an electrode in the envelope, and a metal lead for the electrode extending through and sealed to said wall, the glass surrounding the lead being impregnated with metallic powder, said impregnated glass extending radially of the lead for an appreciable distance to provide a disk-like metalized glass protective shield in the envelope wall surrounding the lead.

2,569,849

APPARATUS FOR MEASURING THE VOLUMES OF PERIODICALLY RECURRING FLUID FLOWS

John H. Emerson, Cambridge, Mass.

Application March 23, 1948, Serial No. 16,418
20 Claims. (Cl. 128—2.08)



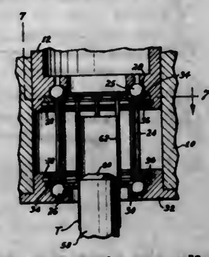
1. Apparatus for measuring the volumes of periodically recurring first and second fluid flows comprising an expansible chamber, first valve mechanism operative by the pressure of each first recurring fluid flow to open communication between the interior of said chamber and the fluid flow substantially upon the commencement of each of said first recurring fluid flows and operative by the change of pressure created by each second recurring fluid flow to close said communication after cessation of each of said first recurring fluid flows, and second valve mechanism operative by said change of pressure created by each of said second recurring fluid flows to open communication between the interior of said chamber and a source of fluid under a substantially constant pressure after the cessation of each of said first recurring fluid flows and operative by the pressure of each of said first recurring fluid flows to close the latter communication substantially upon resumption of each of said first recurring fluid flows, whereby the volume of each of said recurring fluid flows is indicated by the corresponding amount of displacement of said expansible chamber.

2,569,850

CRIMPING DEVICE

Robert W. Falconer, Lancaster, N. Y., assignor to ATF Incorporated, Elizabeth, N. J., a corporation of New Jersey

Application March 8, 1947, Serial No. 733,307
3 Claims. (Cl. 93—77)



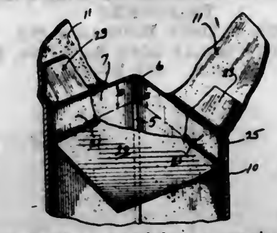
1. Apparatus for forming parallel spiral pleats in a tubular body comprising a pair of axially spaced, co-axial tubular members, a plurality of rods having their ends swivelly connected to said members, the rods, in one relative position of the members, being parallel to and concentric with the axis of the members to space the members axially a maximum distance from each other, and means for rotating one of said members with respect to the other to cause the rods to extend at an angle to the axis of said members across the space between said members and cause the tubular members to move toward each other.

2,569,851

LEAKPROOF AND SIFTPROOF PACKAGE

Robert A. Farrell, Menasha, Wis., assignor to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin

Application June 21, 1949, Serial No. 100,475
2 Claims. (Cl. 229—3.5)



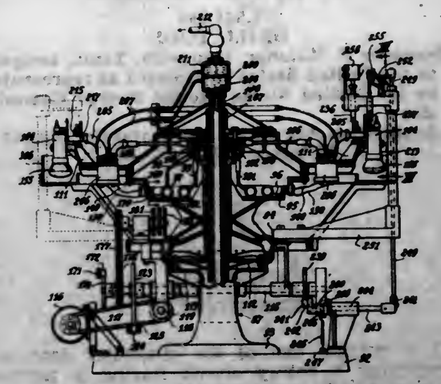
2. A package comprising a rectangular container formed of side walls hinged along score lines and having open ends, an end flap hinged to at least one of said side walls for closing one of said ends, said score lines terminating short of the open end having said flap to provide a substantially smooth inner periphery adjacent said open end, and a flexible closure membrane extending entirely across said open end of said container and sealed thereto, said membrane being depressed adjacent said open end of said container and adhered to the inner wall portions thereof adjacent said open end thereof for providing a leakproof closure, and said end flap being folded over said closure membrane.

2,569,852

MACHINE FOR APPLYING SPECULAR COATINGS

James H. Green, West Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

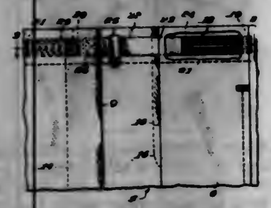
Application November 27, 1948, Serial No. 62,343
11 Claims. (Cl. 91—12.2)



1. Apparatus for coating predetermined portions of the inner surfaces of open-necked glass

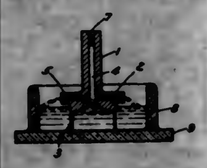
bulbs, comprising means for holding said bulbs with their open necks upward and containing granular masking material in the bottoms thereof, means comprising anti-leakage mouthpieces connectable with bulbs through their open necks and supported refractory means which then depend through said necks for holding and heating said coating material, for connecting said open necks to exhausting means for producing a vacuum in said bulbs, and at the same time positioning said holding and heating means in said bulbs while surrounding material with which the bulbs are to be coated, means for energizing said refractory means to flash the material on said bulbs, and means for then breaking the vacuum to allow for removal of said bulbs from the machine.

2,569,853
ADJUSTABLE WAISTBAND FOR PLEATED TROUSERS
Louis F. Grue, Baltimore, Md.
Application June 14, 1949, Serial No. 98,907
1 Claim. (Cl. 2—237)



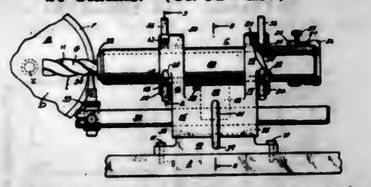
In a pair of trousers having pleats on each side of the trousers fly opening formed by folding the fabric of said trousers to provide reverse opposed pleats, one of said pleats being arranged to form the crease fold of the trousers legs, a strip of fabric stitched to the underside of said last named pleat adjacent the free fold edge thereof, a strap loop attached to the upper portion of the trousers for receiving said strip, said strip being passed through a vertical slot in an adjacent pleat to extend inwardly of the waist portion of said trousers, an elastic webbing strip having one end attached to the end of said inwardly extending strip and its opposite end attached to the trousers and a second strip of elastic webbing affixed at one end to the inner surface of said trousers adjacent the upper edge thereof with its opposite end stitched to the other fold of the pleat forming the trousers crease line.

2,569,854
DRILL TOOL
Alexander P. Hatcher, Knoxville, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application August 2, 1949, Serial No. 108,147
3 Claims. (Cl. 125—20)



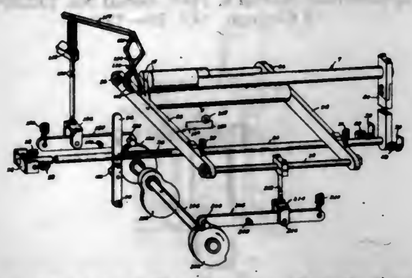
1. A cutting tool of the character described comprising a rotary shank having a reduced elongated body terminating in an enlarged portion, a cup portion projecting forwardly from the enlarged portion and having an edge for engagement with a liquid suspended cutting abrasive on the surface of hard material to be cut, and a plurality of spaced radial openings passing through the enlarged portion for communication with the cup to provide liquid abrasive pumping action during rotation of the shank and draw abrasive between said edge and the surface to maintain cutting action.

2,569,855
END MILL SHARPENING FIXTURE
Carl J. Hertlein, Bronxville, N. Y.
Application September 3, 1948, Serial No. 47,559
20 Claims. (Cl. 51—123)



5. In a mechanism for holding and guiding the spiral cutting edge of a tool and which is adapted to be ground by passing the tool longitudinally along a grinder, in combination, a spindle for holding the tool, a rockable body, means for slidably and rotatively mounting the spindle in the body, a guide adapted to engage the spiral cutting edge of the tool, means for mounting the guide in the body, a supporting base, means offset to one side of the body for rockably mounting the body to the base for movement about an axis parallel to the axis of the spindle and below the body, resilient means reacting between the base and body and biased in a tendency to rotate the body about said axis in a direction to shift the spindle and therewith to remove the tool from the grinder so as to permit the spindle and tool to be shifted without being damaged by contacting the grinding surface of the grinder, and manually actuated camming means, reacting between the base and body and operating in one position of the camming means to form a stop for limiting the movement of the body in its non-grinding position and in another position acting against the tension of resilient means to set the spindle and therethrough to set the tool in operative relation to the grinding surface to be ground thereby.

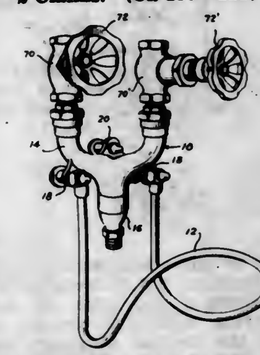
2,569,856
APPARATUS FOR MAKING TUBING
John Parker Hill, North Plainfield, N. J., assignor to ATF Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application November 23, 1946, Serial No. 712,027
5 Claims. (Cl. 93—81)



1. Apparatus of the character described comprising a pair of side frames, a mandrel passing through the side frames and capable of axial movement, a pair of upper rollers journalled in the side frames and contacting the surface of the mandrel at spaced points, a pivotally mounted frame, a lower roller journalled in the pivotally mounted frame, means for rotating the rollers, means for lowering the pivotally mounted frame, means for moving the mandrel axially while the lower roller is out of contact with the mandrel, a pair of gripping members arranged adjacent the mandrel, and means for bringing the gripping members into operative position in contact with the mandrel as the mandrel is returned to its initial position.

5. Apparatus for making tubes from sheet material comprising a mandrel, a plurality of rollers contacting the mandrel at spaced points around its circumference, the mandrel being of greater length than the rollers, means for rotating the rollers, an arm in which the mandrel is rotatably mounted, a rod rigidly connected to the arm and arranged parallel to the mandrel, the rod being provided with an elongated slot, a pivoted lever mounted in the slot, the rod being spring biased in one direction to cause the lever to engage one end of the slot, and means for moving the lever on its pivot to cause reciprocation of the rod and mandrel.

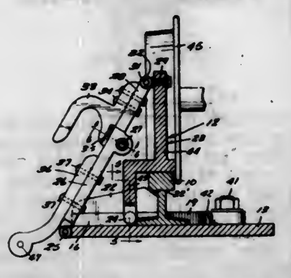
2,569,857
COMBINED MIXING UNIT AND HOSE RACK
William C. Jaegle, Hicksville, N. Y., and Dietrick Strahman, Livingston, N. J., assignors to Klingerit Inc., New York, N. Y., a corporation of New York
Application March 6, 1946, Serial No. 652,368
2 Claims. (Cl. 137—111)



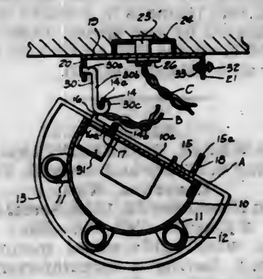
1. A mixing unit comprising, in combination, a tubular body of bifurcated formation having in each bifurcated section thereof a passage extending therethrough and merging with the other passage into a common outlet at the juncture of the bifurcated sections thereof, means for delivering fluids of different characteristics to the outer ends of said passages for flow therethrough and for mixture at said common outlet, means for detachably connecting one end of a hose to said common outlet, and a universal joint having a check valve mounted therein positioned in the outer end of each of said passages.

2,569,858
MINE CAR SAFETY STOP
Bud E. Kirtner, Eules Barker, Marshall Williams, and Ashlon Jackson, Chattaroy, W. Va.
Application March 18, 1948, Serial No. 15,544
1 Claim. (Cl. 104—257)

A car stop comprising a base, clamp elements on said base adapted to engage the bottom flange on one side of a rail, pivoted clamp elements on the base opposite to said first clamp elements that are adapted to be pivoted to engage the bottom flange of the rail on the opposite side thereof to retain the base in fixed relation to the bottom flange of the rail, upstanding flanges on said first clamp elements, cam surfaces on said upstanding flanges adapted to bear against the head of the rail, a wheelchock pivoted upon said flanges and adapted to be extended into operative position upon the rail or retracted to inoperative position laterally of the rail, lower and upper links pivoted respectively to the base and to the wheelchock and to one another for retaining the wheelchock in position on the rail, an operating handle on the upper link whereby said links may be operated for controlling the position of the wheelchock, an arm connected to the lower link, and a control linkage connected to the arm and to a similar car stop on the adjacent rail, whereby said linkage may be actuated to simultaneously move both wheelchocks from operative to inoperative positions.



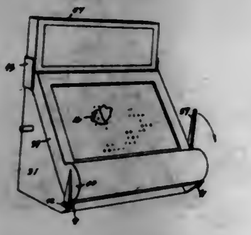
2,569,859
MOUNTING ASSEMBLY FOR FLUORESCENT FIXTURES
Andrew O. Locke, Denver, Colo.
Application September 13, 1947, Serial No. 773,744
4 Claims. (Cl. 240—51.11)



1. A mounting assembly for a lighting fixture including, a hanger plate adapted to be attached to a supporting surface, a hook element secured to said plate at one side thereof and depending therefrom, said hook element including a vertical shank having a hook at its lower end and an offset horizontal supporting surface at its upper end, an elongate lighting fixture unit, an upwardly extending projection on said unit at one side thereof and having a slot therein, whereby the hook of said hook element may be engaged therewith to suspend the fixture from said plate with its electrical connections readily accessible, the slot in said projection being elongate to permit the fixture unit to be moved upwardly to a

final position adjacent the hanger plate with the projection engaging the horizontal offset at the upper end of the hook element, and fastening means for securing the fixture unit to the hanger in said final position.

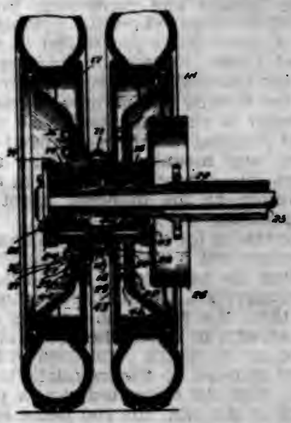
2,569,860
HOLDER FOR PUNCHBOARDS
Frank J. Merhar, Portland, Oreg.
Application September 17, 1946, Serial No. 697,486
2 Claims. (Cl. 272—139)



1. A punchboard housing comprising a pair of spaced vertical side walls, a sloping front forming a spacer for said side walls, shelves for supporting a punchboard over said front in spaced relation thereto, enabling pellets from said punchboard to fall on said front, a rectangular frame covering said front and extending around the top edges of the side walls, a tubular guard forming part of said frame and hinged to said side walls, a paper holding roller mounted in said guard, said paper holding roller having paper wound therearound a shaft journalled in said side walls below the upper end of said front, said shaft having index holes formed around one end thereof, a winding roller on said shaft, said paper being passed over the upper surface of the punchboard, around the upper end thereof, and around the winding roller a spring having one end attached to a side frame and having its opposite end engaging the under side of said frame, the middle portion of said spring having a point normally engaging an index hole in said winding shaft, when said frame is in a closed position and being disengaged by said spring when said frame is in a raised open position and a lock for holding said frame in a closed position.

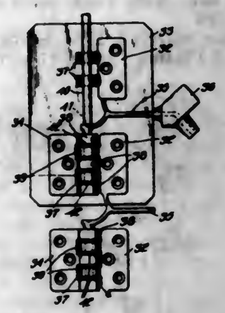
2,569,861
DUAL WHEEL DIFFERENTIAL HUB
Murray L. Moore and Alvin D. Fritz, Cheyenne, Wyo.
Application November 29, 1948, Serial No. 62,456
2 Claims. (Cl. 301—36)

1. A dual wheel differential mounting comprising a hub having a circumferential flange with spaced openings therethrough on the intermediate part thereof, inner and outer wheel mounting sleeves rotatably mounted on the hub and positioned on opposite sides of said circumferential flange, said sleeves having flanges on the inner ends thereof abutting the side surfaces of said circumferential flange and having raceways in the abutting faces therein registering with the spaced openings through the said circumferential flange and having high and low points, round end pins slidably mounted in the openings through the circumferential flange with the ends thereof in engagement with the high and low points of the raceways the inner sleeve having a circumferential wheel carrying flange on the outer surface positioned midway of the length thereof, and a wheel carrying flange re-



movably mounted on the outer sleeve and positioned midway of the length thereof.

2,569,862
HINGE
Louis H. Morin, Bronx, N. Y.
Application December 21, 1943, Serial No. 515,196
2 Claims. (Cl. 16—128)

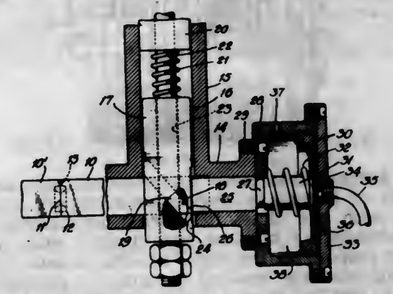


1. A hinge of the class described comprising two die cast butts having interengaging knuckles at adjacent edges of said butts, the knuckles of one butt having apertures therein while the knuckles of the second butt are solid, said knuckles of the second butt being joined by integral pintle portions arranged therebetween and rotatably disposed within the apertures of the knuckles of the first butt, and each knuckle of each butt being substantially spaced from each adjacent knuckle of the other butt, said pintle portions on each side of each aperture of an apertured knuckle being enlarged to restrain movement of said first butt axially of said pintle portions.

2,569,863
SERVO-POWER APPLICATION TO DIES OF DIE-CASTING MACHINES
Louis H. Morin, Bronx, N. Y.
Application December 5, 1947, Serial No. 789,959
4 Claims. (Cl. 22—92)

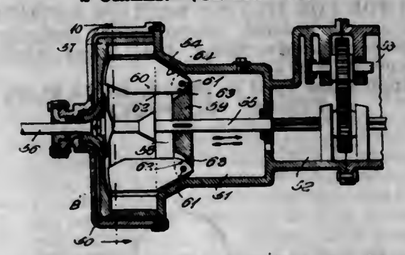
1. In a die casting machine of the type wherein a pair of dies are movably supported in opposed relation to each other and are periodically moved into and out of closed position and a casting material is injected under pressure into a casting

cavity defined by the opposing faces of the dies when they are in closed position, the combination of a die-actuating member engaging with each of the dies for moving the dies into and out of closed position, said die-actuating members being movable transversely of the dies, a pair of movable pusher members supported in opposing relation to each other, each of said pusher members being located on the side of one of the die-actuating members remote from the dies with its center line in a vertical plane perpendicular



to the parting line of the dies at the mid point of the dies and pressure means for moving each of said pusher members into engagement under pressure with the side of the respective die-actuating members remote from the dies when the dies are in closed position, said pressure means exerting pressure on the dies through the pusher members and the die-actuating members to maintain the opposing faces of the dies in contact during the injection of casting material into the die cavity.

2,569,864
VARIABLE-SPEED CLUTCH
Urban A. Moores, Mechanic Falls, Maine
Application December 8, 1947, Serial No. 790,324
2 Claims. (Cl. 192—58)



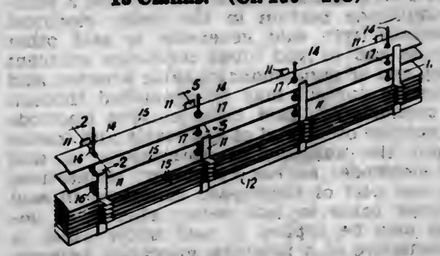
1. A hydraulic clutch including an impeller wheel, a turbine wheel, the impeller wheel being adapted to be positioned within the turbine wheel and to be shifted longitudinally outside of the same, said impeller wheel comprising a central hub part and radial blades pivotally connected at one end to the hub part to swing radially relatively to said hub part, each of said blades having an edge portion extending at an outward inclination from the pivotally connected end of the same with said hub part, a housing around said wheels, said housing having a part at one end thereof of less diameter than the remaining part thereof to receive therein the impeller wheel when the same is shifted outside of the turbine wheel, the inclined edge portions of the blades of the impeller wheel engaging a wall of the housing and being cammed inwardly thereby in position to enter said smaller housing part when the impeller wheel is shifted longitudinally away from the turbine wheel.

2,569,865
CYCLONE DUST COLLECTOR
Vojtech Munka, Astoria, N. Y.
Application August 21, 1947, Serial No. 769,791
1 Claim. (Cl. 183—85)



A cyclone for use in a dust separator having an elongated tubular body with a screen mounted in the body intermediate of its ends forming an upper compartment and a lower compartment and a filter within the upper compartment and resting on the screen, said cyclone comprising an outer frusto-conical wall mounted within the lower compartment with its base uppermost and having an apex discharge opening for dust positioned slightly above the bottom end of the lower compartment, a smaller inner frusto-conical wall positioned concentrically within said outer frusto-conical wall with its base uppermost and on a common level with the base of said outer frusto-conical wall, a ring between the bases of said frusto-conical walls supporting said inner wall from said outer wall, said inner wall having a discharge opening for air at a level above and concentric with the discharge opening of said outer wall, a conduit for discharging dust laden air tangentially into the space between the base ends of said frusto-conical walls, a dust receiving container positioned within the lower compartment beneath the discharge opening of said outer wall, said receiving container being of a height equal to the space between the bottom of said outer wall and the bottom of said lower compartment and having a top opening, said top opening of said receiving container being of the same diameter as the bottom discharge opening of said outer wall with the material of said container defining said top opening being in intimate contact with the material of said outer wall defining said bottom opening.

2,569,866
VENETIAN BLIND
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application July 2, 1946, Serial No. 681,042
13 Claims. (Cl. 160—173)



1. In a Venetian blind having a plurality of thin sheet metal slats suspended one above another, the slats collectively having series of aligned apertures through which lift-cords ex-

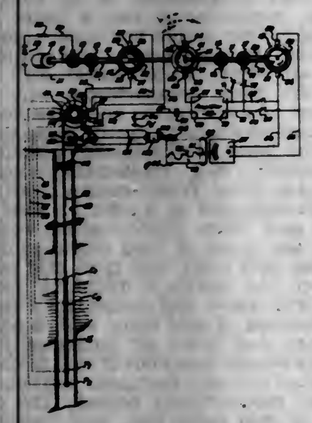
tend, the improvement which comprises: the apertures of one series being elongated slots disposed transversely of the slats, and the apertures of the other series being round holes of a diameter approximately equal to the length of said slots, edge portions of the slots being smooth cord-engaging means of greater thickness than the metal of the slats.

2,569,867

ALTERNATING-CURRENT ELECTRO-LOGGING

Russell G. Norelius, Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware

Application March 27, 1948, Serial No. 17,478
12 Claims. (Cl. 175—182)



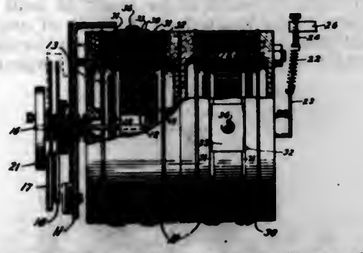
1. In electrical logging apparatus wherein an alternating current is conducted through an input conductor contained in a conductor cable to an input current electrode in a borehole and thence through the surrounding formations to another electrode to establish an electric field in the surrounding formations around said input current electrode and wherein a portion of such electric field is tested by a pair of spaced, potential pick-up electrodes in said borehole and the potential thus picked up is conducted to the top of said borehole through a pair of conductors contained in said cable to measuring apparatus at the surface exterior to said borehole, the apparatus comprising: a generator of an alternating current having a wave form which includes a constant amplitude portion and a varying amplitude portion in the cycle; electrical connection from said generator to said other electrode and to said input conductor adjacent the top end of said conductor cable whereby said alternating current may be conducted through said conductor to said input current electrode adjacent the other end of said cable and thence through the surrounding formations to said other electrode; an electric meter; connections from said pair of conductors contained in said conductor cable to said meter whereby a potential may be applied to said meter which is representative of a potential appearing between the conductors of said pair of conductors; and switching apparatus for periodically grounding said pair of conductors for a predetermined fractional portion of the cycle.

2,569,868

BALANCED THERMAL DEMAND METER

Louis A. Paine, West Lafayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a corporation of Illinois

Application March 5, 1947, Serial No. 732,470
6 Claims. (Cl. 171—34)



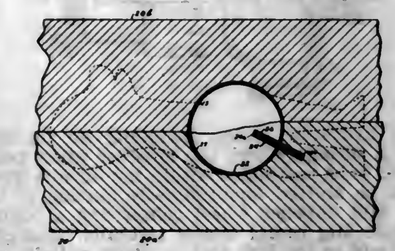
1. A thermal demand meter including a shaft, a pair of thermally responsive members associated with the shaft in driving relationship, a heat-insulating housing surrounding each thermally responsive member, heating means within each housing, heating circuits for connecting certain heating means to different pairs of wires, and heat-bleeding means extending through the heat-insulating housing surrounding one unit exposed to absorb heat from the inside thereof selectively from the heating means of one heating circuit, and exposed to dissipate heat to the outside thereof; said heat-bleeding means comprising a thin strip of sheet copper, having a flat portion extending through a narrow slot in the housing and extending adjacent to a heater assembly, and means for removably securing the bleeding member to the housing, said bleeding member being adapted to be readily withdrawn for replacement by another bleeding member of different bleeding characteristics.

2,569,869

METHOD FOR MAKING HOLLOW ARTICLES

Dietrich G. Rempel, Akron, Ohio, assignor to Rempel Manufacturing, Inc., Akron, Ohio, a corporation of Ohio

Application April 19, 1949, Serial No. 88,378
1 Claim. (Cl. 18—58.3)



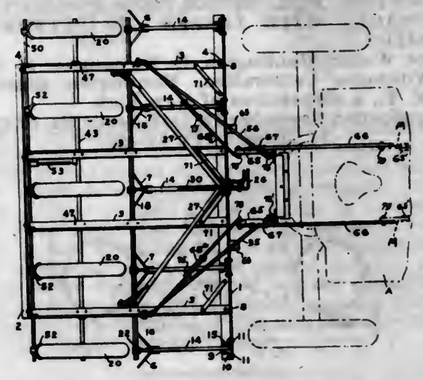
A method of making hollow articles comprising the steps of providing a sectional porous mold having an article-forming cavity adapted to contain a liquid in all positions of rotation and having a non-porous element affixed to a mold cavity surface portion to protrude inwardly thereof, said protuberance having a passage therethrough communicating the mold cavity with the mold exterior through the wall of the mold, placing in said article-forming cavity a predetermined quantity of rubber aqueous dispersion material capable of setting by removal of the water therefrom, and thereafter applying to the mold a series of compound rotary motions about a plurality of angularly disposed axes to deposit said predetermined quantity of the solution over the surfaces of the mold cavity in diverse directions of flow of the dispersion material, whereby said deposition and accretion is accomplished by removing water from the dispersion material by capillary attraction outwardly through the mold pores and evaporation at the outer mold surface portions, said protuberance being maintained with the inner end of said passage above the liquid level at all times during deposition of the article, said deposition of dispersion material by being substantially ineffective as to said non-porous inwardly presented portion of said protuberance thereby providing a corresponding void in the wall of the article.

2,569,870

TRACTOR-DRAWN CORRUGATOR

Clark L. Roberts, Nampa, Idaho

Application February 25, 1947, Serial No. 730,839
4 Claims. (Cl. 97—55)



1. In a corrugator, a main frame including spaced forwardly and rearwardly extending parallel frame members, a rockable cross bar supported medially of said frame, shovels pivotally supported on said frame, link mechanism connecting said rockable bar to each of said shovels whereby said shovels may be raised or lowered upon rocking of said bar, a pair of diverging control arms fixed to said rockable bar at their free ends, a quadrant fixed to said frame forwardly of said bar, guide means slidably connecting the forward end of said control arms and quadrant to permit raising and lowering of said arms on said quadrant, means for locking said arm in adjusted position, clamps fixed to said bar and extending rearwardly thereof, means carried by said arms for applying pressure to said bar at points spaced forwardly and rearwardly of the bar, a rotatable axle carried by the frame rearward of said rockable bar, and a plurality of press wheels fixed to said axle and longitudinally adjustable with respect to the same.

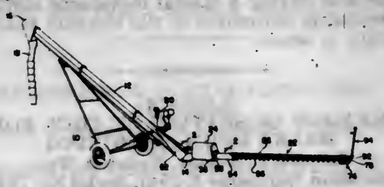
2,569,871

PICKUP AUGER FOR SMALL GRAIN ELEVATORS

Merrill W. Roscoe, Moline, Ill., and Royal L. Beldin, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application November 12, 1949, Serial No. 126,892
10 Claims. (Cl. 198—7)

1. A pick-up conveyor for a grain elevator or the like, comprising: a tubular housing normally positioned with its principal axis generally horizontal; means providing a bearing within the housing and on said axis; an elongated auger extending axially through the housing, having an inner, housing-proximate end portion journaled in said bearing and an opposite, outer end portion relatively axially remote from the housing; an elongated continuous top shield extending above and lengthwise of the auger and having an inner end portion fixed to the housing and an opposite, outer end portion proximate to the outer end portion of the auger, said top shield having opposite, lengthwise marginal edge portions disposed at a level above a generally horizontal plane passed through the axis of the auger, so that the sides and under portion of the auger are exposed; outer end structure fixed to the outer end



portion of the top shield and including a bearing for the outer end of the auger; a plurality of separable U-shaped bottom shield sections, each shorter than the total length of the top shield and positionable in selectively different end-to-end relationship combinations below the auger and beginning at the tubular housing to form a continuation of the tubular housing in varying lengths for enclosing the bottom and sides of said auger over selectively different lengthwise portions thereof between the tubular housing and the outer end portion thereof, each bottom shield section having upper, lengthwise marginal edge portions proximate to the top shield marginal edge portions; and means for removably securing the bottom shield sections separately to the top shield.

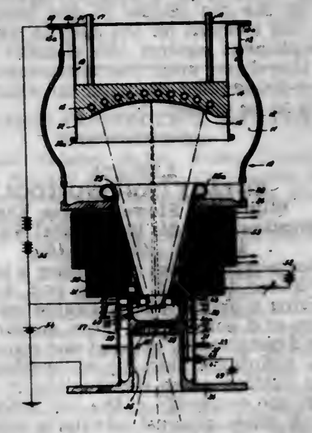
2,569,872

ELECTRON DISCHARGE TUBE

Joseph W. Skehan, Stamford, and Thomas H. Rogers, New Canaan, Conn., assignors to Machlett Laboratories, Incorporated, Springdale, Conn., a corporation of Connecticut

Application December 24, 1949, Serial No. 134,926
19 Claims. (Cl. 313—57)

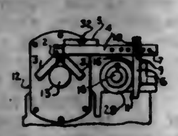
1. An electron tube, which comprises an evacu-



ated envelope having a window for escape of radiant energy, an anode having a target sur-

face within the envelope coaxial with and spaced from the window, cathode means within the envelope adjacent the window, the cathode means having a central opening coaxial with the target surface and window and a filament encircling and concentric with the opening, means for focusing electrons emitted by the filament to cause them to pass through said central opening and form a beam traveling toward the target surface, means outside the tube and acting on the beam between the cathode and the target surface to cause the beam to scan the target surface, and image forming means in the path of the radiant energy traveling from the target surface through the cathode opening for converting said energy into a useful beam traveling away from the envelope and having a lateral movement similar to the scanning movement of the electron beam but opposite in sense.

2,569,873
METHOD OF SETTING OF TOOL FOR BRAKE DRUM MACHINING
Edward L. Stacey, Houston, Tex.
Application November 7, 1947, Serial No. 784,629
1 Claim. (Cl. 51—290)



A method of dressing to a predetermined diameter a cylindrical element which is mounted concentrically on the cylindrical axially horizontally extending spindle of a machine, the method step comprising, inserting a pin in a hole through the arm of a gauge setting tool and through the beam thereof and tightening means to fix the arm at a precisely predetermined point on the beam so that a face of the arm extends perpendicular to the beam axis and parallel to the axis of a V-block fixed to one end of the beam, positioning the V-block on the machine spindle, transversely moving the operating edge of a stock removing implement of the machine to engage the face at a time when the beam is levelled, positioning the micrometer of the transverse feeding mechanism of the machine at a predetermined setting corresponding with the radial distance from spindle axis to the face as indicated by the pin setting in the beam, and rotating the element on the spindle while moving the implement against the element to remove stock therefrom until the micrometer indicates the pre-determined diameter to which the element is to be turned.

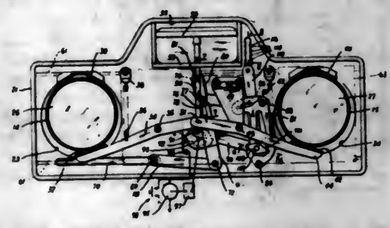
2,569,874
ROTARY CARVING TOOL
William E. Stowell, Provo, Utah
Application June 21, 1949, Serial No. 100,478
1 Claim. (Cl. 29—103)

A rotary carving tool comprising a body having an elongated tapering cutting end, said cutting end having a plurality of elongated relatively flat tapering and converging faces merging into an apex and penetrating point at one end of said tool thereby defining a plurality of longitudinally extending cutting edges terminating in said apex point at one extremity of the tool, and said body having a spiral channel angularly crossing said cutting edges at an incline and at a plurality of locations within the lengths of said cutting edges and extending from said apex point to the opposite end of the tool thereby defining a material-conveying channel throughout the length of the



tool for conveying cut material away from the cutting edges and longitudinally of the body to prevent clogging of the tool during operation.

2,569,875
SHUTTER FOR DISSOLVING PROJECTED IMAGES WITH LENSES OF DIFFERENT SIZES
Fred Waller, Huntington, N. Y., assignor to The Vitarama Corporation, Huntington Station, N. Y., a corporation of New York
Application November 10, 1948, Serial No. 59,334
14 Claims. (Cl. 88—26)

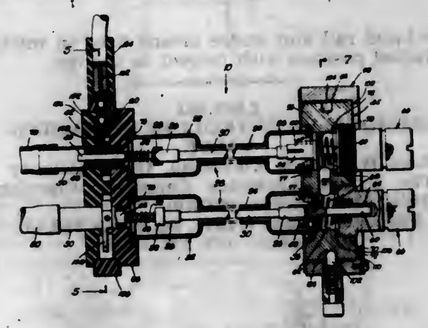


1. Dissolving shutter apparatus for a twin lens picture projector that has lens mounts, said apparatus including, in combination, shutter means for alternately covering one lens and then the other, a support on which the shutter means moves through a stroke while shifting from its position over one lens to its position over the other lens, an adjustment for determining the length of the stroke, spaced elements connected with the adjustment and relatively movable toward and from one another for gripping a lens mount of the projector, said adjustment being controlled by the spacing between said elements to correlate the stroke with the diameter of the lens mount.

2,569,876
MULTIPLE LAMP APPARATUS FOR INTERCHANGING LIQUID-COOLED LAMPS
Edwin C. Weiskopf, New York, N. Y.
Application March 14, 1947, Serial No. 734,585
14 Claims. (Cl. 240—37)

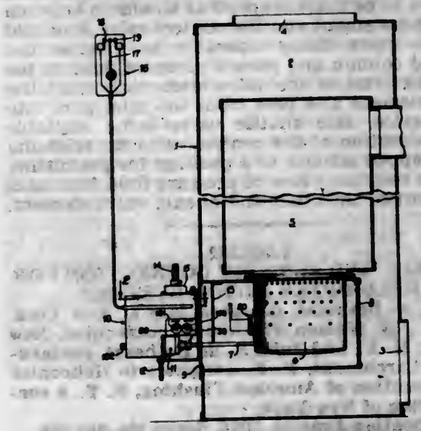
1. A multiple lamp unit, comprising a plurality of tubular electric lamps disposed in laterally spaced relation, each of said lamps having an individual tubular cooling jacket, means for holding said lamps in said relation, and mounting means for supporting said lamp-holding means for turning movement about an axis parallel to the axes of said lamps, said lamp-holding means comprising spaced members between which said lamps and their cooling jackets extend, each of said lamps having terminals at its opposite ends and each of said spaced members being provided

with terminal supports and conductors for each of said lamps, said spaced members engaging the opposite ends, respectively, of said cooling jackets and having fluid passages in communication with said jackets at said opposite ends thereof, and means operable concomitantly with the movement of said holding means in predetermined relation to said mounting means to effect connection of one of said lamps with a source of electric current and to disconnect another of said lamps from said source, said connect and disconnect



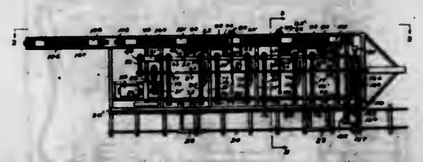
means comprising contact members electrically connected to the terminal supports, respectively, of one of said spaced members and a contact member which is engaged by and disengaged from said contact members, respectively, in a predetermined position of said holding means in relation to said mounting means, said contact member extending into said one spaced member, and an annular member retained in fixed disposition and carrying said contact member, said one spaced member being mounted within said annular member for rotation relative thereto.

2,569,877
THERMOSTATICALLY CONTROLLED VAPORIZING FUEL BURNER
Henry S. Woodruff, Cazenovia, N. Y., assignor to The Variflame Corporation, White Plains, N. Y., a corporation of New York
Application April 5, 1949, Serial No. 85,631
9 Claims. (Cl. 236—73)



1. In a vaporizing oil burner mechanism, the combination of a single motor; a combustion air fan driven by the motor; a damper operable to vary the fan air passing to the burner; an oil supply line to the burner; a metering pump in said line; a hollow shaft driven by said motor; a radially adjustable crank pin member mounted for rotation by said hollow shaft; a drive connection from the crank pin member to the metering pump; a flexible coupling extending from the crank pin member, through the hollow shaft, and having an extension connection with the damper; a thermostatically controlled circuit; magnetic means operated by said circuit for effecting radial adjustment of said crank pin member; a pair of limit switches in said circuit; switch opening means for each of said switches; means associated with said extension connection for operating said switch opening means; and means for adjusting the positions of the limit switches in relation to said switch opening means.

2,569,878
MACHINE FOR CUTTING LOGS INTO SECTIONS
Ernest C. Avinger and Theodore T. Murphy, Wando, S. C.
Application June 4, 1948, Serial No. 31,168
7 Claims. (Cl. 143—49)

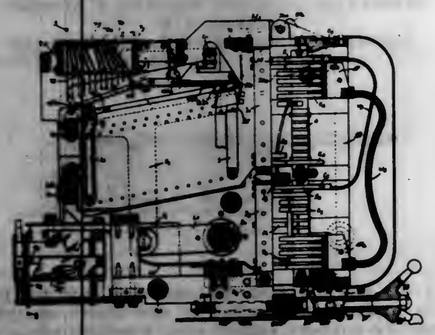


1. In a gang saw machine for cutting logs into sections, a support, a saw shaft mounted upon the support, spaced saws mounted upon the saw shaft, means to drive the saw shaft, endless conveyors to advance the log into engagement with the saws, a conveyor drive shaft, a rotary element engaging each endless conveyor and slidably mounted upon the conveyor drive shaft, a disc mounted upon the conveyor drive shaft to positively rotate therewith and held against longitudinal movement with relation to the conveyor drive shaft, a pin carried by the disc, a spring secured to the pin and connected with the rotary element, a device to move the rotary element axially of the conveyor drive shaft into engagement with the disc to be positively driven by the disc, and means to operate the device including an element arranged in the path of travel of the log to be shifted thereby.

2,569,879
FLEXIBLE CONNECTION BOX FOR TABULATORS
Ulysse Louis Gabriel Baldé, Paris, France, assignor to Société Anonyme: Compagnie Industrielle de Machines Automatiques de Comptabilite, Paris, France
Application September 24, 1947, Serial No. 775,910
In France July 24, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 24, 1963
13 Claims. (Cl. 235—61.6)

4. In a connecting assembly for perforated card recording machines of the type called tabulator, which is to be inserted between the needles of the pin-box and the stops of the stop-basket of said tabulator, in place of the standard rigid wire connection box controlled by the main shaft thereof, for performing a recording work the character of which is different from the charac-

ter of the normal recording work performed through said standard connection box, in combination, a unit independent from the tabulator comprising a plurality of movable contacts the number of which is equal to the number of the needles, means for operating each of said contacts when the corresponding needle passes through a perforation of the card, a reciprocable block carrying a plurality of operable mechanical devices the number of which is equal to the number of the stops, each of said devices being adapted to control one of said stops when set in operative position, a plurality of fixed electromagnets the number of which is equal to the number of said mechanical devices, each of them when energized being adapted to set in operative position the corresponding mechanical device, a source of current connected at one end to said contacts, fixed registering circuit elements connected respectively with each of said contacts, and with said source, fixed transferring circuit



elements connected respectively with each of said electro-magnets, and a mechanical means for reciprocating said block, a plurality of detachable panels each of them having electrical circuit elements previously erected according to a predetermined work to be performed by the tabulator for connecting in series each of said registering circuit elements with at least one of said transferring circuit elements according to said work, whereby a quick changing of the work to be performed is obtained by the replacing of the detachable panel corresponding to the previous work by the detachable panel corresponding to the new work, means for inserting said independent unit between the pin-box and the stop-basket of the tabulator, a cam means keyed on the main shaft of the said tabulator for operating said reciprocating means according to the timing diagram of said tabulator and a mechanical connection between said cam means and said reciprocating means.

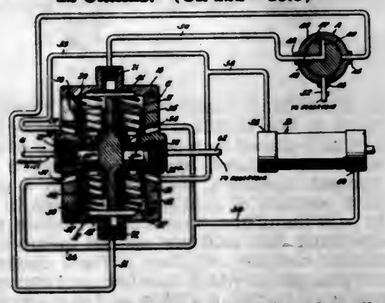
2,569,880
REED ADJUSTMENT FOR LOOMS
Carl P. Bergstrom, Millbury, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 27, 1950, Serial No. 158,405
8 Claims. (Cl. 139—192)

1. In a loom lay having a shuttle race, a reed behind the race having the lower part thereof supported by the lay, a hand rail engaging the upper part of the reed and movable backwardly and forwardly therewith relatively to the lay, wedge means between the lay and hand rail mounted for vertical movement to vary the position of the hand rail and said upper part of the reed with respect to the lay, and means holding



the hand rail and wedge means fixed in relative adjusted position with respect to the lay.

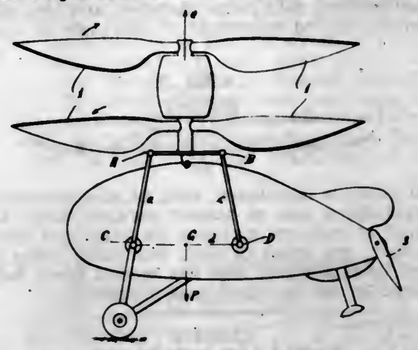
2,569,881
REMOTELY CONTROLLED REVERSING VALVE
Robert H. Davies, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application June 7, 1945, Serial No. 598,101
12 Claims. (Cl. 121—46.5)



1. In a system of the character described, a device operable by introduction of pressure fluid thereinto, a remotely located control valve, a reversing valve interposed between said device and said valve and including an inlet port adapted to receive pressure fluid from a source of supply, and ducts connecting said valves and device, said reversing valve including a shiftable valve element directly subject at one end to pressure fluid from the inlet port, and shuttle valve means effective in one position for directing pressure fluid from the inlet port to the other end of said valve element to be there trapped as a column between the valve element and the control valve, and said control valve being operable to release the trapped column and permit pressure fluid at the inlet port end of the valve element to shift the valve element and pass from the inlet port into said device, said shuttle valve being shiftable upon operation of the control valve for releasing said trapped column to a position for permitting a more restricted flow of pressure fluid from said inlet port to the other end of said valve element.

2,569,882
CONTROL AND SUPPORT CONNECTION FOR HELICOPTER ROTOR SYSTEMS
George de Bothezat, deceased, late of New York, N. Y., by Watson Washburn, coexecutor, New York, N. Y., and Julia B. de Bothezat, coexecutrix, Larchmont, N. Y., assignors to Helicopter Corporation of America, Flushing, N. Y., a corporation of New York
Application June 29, 1946, Serial No. 680,284
17 Claims. (Cl. 244—17.25)

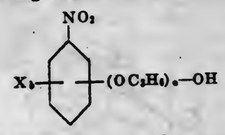
1. A helicopter comprising two freely movable units, a lower unit constituting the body of the helicopter and an upper unit carrying the engine-propeller set and connected to the lower unit by a plurality of at least three pivoted links to have a position of equilibrium for every inclined



orientation of the helicopter so as to produce a restoring moment in relation to the center of gravity so long as the helicopter is inclined from its normal flying orientation.

2,569,883
ETHERS AND ORGANIC SUBSTANCES PLASTICIZED THEREWITH
George L. Doelling, St. Louis, and Kenneth H. Adams, Fenton, Mo., assignors to Mississippi Valley Research Laboratories, Inc., St. Louis, Mo., a corporation of Missouri
No Drawing. Application April 8, 1948, Serial No. 19,894
32 Claims. (Cl. 106—188)

10. A composition of matter comprising a compound having the formula:



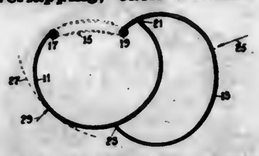
in which X is selected from the group consisting of chlorine and bromine, *a* is an integer not less than 2 and not more than 20, and *b* is an integer not greater than 3; and cellulose nitrate.

2,569,884
EMULSION POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS
Arthur E. Drake, Hockessin, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1946, Serial No. 645,248
7 Claims. (Cl. 260—27)

1. A process for polymerizing an organic compound containing the $CH_2{=}C<$ group which is polymerizable by a peroxide catalyst which comprises intimately contacting an aqueous solution containing an alkali metal salt of dehydrogenated rosin and a water-soluble persulfate with a free oxygen-containing gas for at least 0.5 hour and then polymerizing said organic compound in aqueous emulsion in the presence of the resulting aqueous solution, said aqueous solution functioning both as an emulsifying agent and as a catalyst for the polymerization.

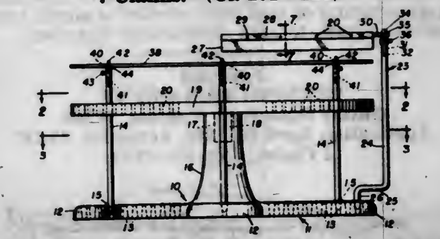
2,569,885
WRISTBAND
Gordon D. Drewry, West Henrietta, N. Y.
Application April 19, 1945, Serial No. 589,233
2 Claims. (Cl. 224—4)

1. A wrist band including an intermediate object such as a watch and two resilient members pivotally connected to opposite ends of said object and adapted to swing relative to each other in substantially the same plane, said members being curved to form, with said object, a closed loop to encircle a wrist with the free ends of said members overlapping, each member extending



through more than half of the circumference of said loop whereby the resiliency of said members will maintain said loop closed without the use of other means and will permit said free ends to be readily separated to open said loop for passage of the wrist.

2,569,886
DEVICE FOR DECORATING CAKES
Victor S. Gapinski, Buffalo, N. Y.
Application June 4, 1947, Serial No. 752,528
7 Claims. (Cl. 101—114)



7. A device for decorating cakes comprising a base having an upright center post, a cake-supporting disc having a center stud rotatably mounted in said post, uprights extending upwardly through the disc to hold a cake on said disc and engageable with the base to hold the disc from turning, the upper ends of the uprights having pins provided with shoulders, and a stencil plate having decorating openings and provided with holes to receive said pins for support of the stencil plate upon the shoulders in spaced relation above the disc, said stencil plate being adapted to have icing spread thereon for forcing the icing through the decorating openings onto icing on the top of a cake supported on the disc for decorating the same, said pins being vertically adjustable relative to the uprights.

2,569,887
COMBUSTION APPARATUS, INCLUDING FLAME TYPE IGNITION MEANS
Robert H. Goddard, deceased, late of Annapolis, Md., by Esther C. Goddard, executrix, Paxton, Mass., assignor of one-half to The Daniel and Florence Guggenheim Foundation, New York, N. Y., a corporation of New York
Original application November 18, 1941, Serial No. 419,617, now Patent No. 2,395,406, dated February 26, 1946. Divided and this application December 19, 1945, Serial No. 635,996
4 Claims. (Cl. 60—39.14)

1. In a combustion apparatus having a combustion chamber, and valve means for admitting combustion liquids for continuous operation of said chamber, in combination, an igniter chamber opening into said combustion chamber, means to inject a predetermined amount of liquid fuel to said igniter chamber, means to simultaneously inject a predetermined amount of a liquid oxidant into said igniter chamber, means to ignite said

intermingled liquids in said igniter chamber, an electric circuit for said igniting means, and sequence-defining circuit-changing means effective



to render said igniting means operative just prior to the opening of said valve means to admit combustion liquids to said combustion chamber.

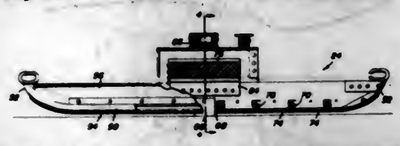
2,569,888
PRUNING IMPLEMENT
Gustaf Gustafson, Yakima, Wash.
Application April 26, 1948, Serial No. 23,297
1 Claim. (Cl. 30—249)



A pruning implement comprising a pole, a hook-shaped fixed blade secured to the upper end of said pole, a movable blade pivoted to and coacting with said hook-shaped blade, an operating sleeve slidably fitted on the lower portion of said pole, a lever pivoted intermediate its ends on the pole and extending across the pole intermediate the blades and the operating sleeve, said lever having an end portion in the form of a yoke loosely embracing the pole, a bracket carried by the pole below the lever, a link connecting the bracket to the yoke end of the lever, a second link connecting the movable blade to said lever intermediate the ends of the latter, and a third link connecting the other end of said lever to the operating sleeve, the said pole being tubular and having a longitudinal slot near its upper end, said second link being offset laterally and extended into the pole through said slot and then through the pole to said lever, the pivotal connection between the second link and the lever including a member fitted in and guided by the pole and a pivot member carried by the last named member and having the yoke of the lever pivotally engaged with its ends, said pole further having longitudinal slots in opposite sides thereof through which the ends of said pivot member extend and in which the ends of said pivot member are movable longitudinally of the pole.

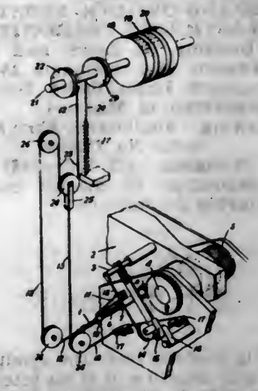
2,569,889
SLED RUNNER
Charles F. Herbert, Seattle, Wash.
Application December 2, 1948, Serial No. 63,175
2 Claims. (Cl. 280—28)

1. In a sled runner, the combination of an elongated shoe, an upstanding support plate provided on said shoe, a pair of parallel frame members straddling the upper portion of said plate in spaced relation, and resilient mountings interposed between said frame members and said plate whereby limited movement of said plate in a ver-



tical plane is facilitated, each of said mountings comprising a pair of spaced parallel straps and a bond of resilient material securing said straps together, one strap of each mounting being secured to said plates and the second strap being secured to one of said frame members.

2,569,890
SAFE LOAD INDICATOR
Reginald Hicks, Yonkers, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application May 21, 1947, Serial No. 749,608
12 Claims. (Cl. 116—124)

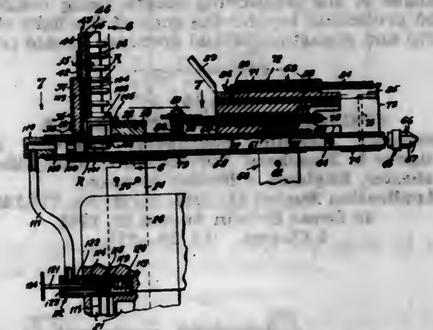


1. In a safe load indicator for an aerial ladder having two means independently movable, respectively, in response to the raising and lowering and to the extension and retraction of the ladder, and an indicator shaft: the combination of a cable wrapped around the shaft and having a remote end connected to one of said means, an intermediate stretch of the cable including a depending loop, a pulley seated in said loop, a second cable having one end connected to the pulley and its other end connected to the other of said means, and a spring coupled to the indicator shaft and biased to rotate the same in a direction to keep both of the said cables taut.

2,569,891
AUTOMATIC INJECTION FEED APPLIANCE FOR RIVETS AND HEADED FASTENINGS
Bruce T. Holter, Newberry, Pa.
Application October 13, 1950, Serial No. 190,023
15 Claims. (Cl. 78—43)

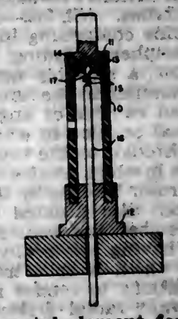
15. A fastener feeding and applying device for use with a portable pneumatic impact tool, comprising a guide barrel means adapted to detachably mount the guide barrel on a pneumatic impact tool and longitudinally thereof, an ejection tube reciprocally mounted in the guide barrel having an outlet end extending from a forward end of the guide barrel, a switch assembly supported by said means above and transversely of the guide barrel adjacent its opposite, rear

end, a magazine detachably connected to the switch assembly and supported thereabove in an upright position, said magazine having a rivet or headed fastening slot opening outwardly of its lower end adapted to be filled with rivets or headed fastenings to be fed therefrom by gravity to the switch assembly, said guide barrel and ejection tube having rivet or headed fastening receiving openings adjacent their rear ends disposed in registration when the ejection tube is in a retracted position, said openings being laterally offset relatively to the lower end of the



magazine slot, a carrier reciprocally mounted in the switch assembly for movement transversely of the guide barrel between a position beneath the outlet end of the magazine slot and above said T-shaped openings for conveying rivets or headed fastenings one by one from the magazine to the ejection tube, and link and lever means connecting the ejection tube and carrier for reciprocating the carrier transverse to the guide barrel as the ejection tube is reciprocated longitudinally in the guide barrel for feeding the rivets or headed fastenings one by one to the ejection tube.

2,569,892
CRYSTAL CONTACTS OF WHICH ONE ELEMENT IS MAINLY SILICON
Douglas Enfield Jones, Harrow, Charles Eric Ransley, Sudbury, and John Walter Ryde, London, England, and Stanley Vaughan Williams, deceased, late of Kenton, England, by Frances Mabel Williams, executrix, Kenton, England, assignors, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Original application August 10, 1942, Serial No. 454,290. Divided and this application March 20, 1947, Serial No. 736,094. In Great Britain August 20, 1941
16 Claims. (Cl. 250—31)



1. A silicon-crystal element for a wave-signal translating device comprising, a solid solution of silicon substantially free from impurities usually present in commercial silicon and a predetermined small amount of at least one of the two metals aluminium and beryllium, the ratio of the number of atoms of metal to the number of atoms of said silicon in the product having a value of the order of 1/100.

2,569,893
WELL TREATING DEVICE
Donald G. Kendall and William L. Giealer, Bakersfield, Calif.
Application August 14, 1948, Serial No. 44,285
6 Claims. (Cl. 166—19)



1. A well treating device of the class described comprising a closed top cylindrical shell adapted for lowering into a well bore, a valve seat ring within said shell forming the lower end of a fluid storage chamber, a closure valve for said valve seat ring carried in the shell for movement vertically, a fluid discharge outlet in said shell located below said valve, a blow-out closure for said discharge outlet, said closure supporting said valve in closed position against said valve seat ring, an explosion chamber carried within said shell between said valve and blow-out closure, and electric control means for firing an explosive in said explosion chamber to blow out the closure and permit the valve to fall to bring said fluid storage chamber into communication with the fluid discharge outlet in said shell.

2,569,894
ALLOYED STEEL SUITABLE PREFERABLY FOR WATER HARDENING TOOLS OF HIGH RESISTANCE TO WEAR AS WELL AS SHOCK
Helmuth Krainer and Karl Swoboda, Kapfenberg, Austria, assignors to Gebr. Böhler & Co. Aktiengesellschaft, Vienna, Austria
No Drawing. Application February 27, 1948, Serial No. 11,874. In Germany October 31, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires October 31, 1961
3 Claims. (Cl. 75—123)

1. Water hardening alloy tool steel having an RC hardness in the range of 65 to 70 and containing

1.0 to 2.0% carbon
0.8 to 2.5% vanadium
0.5 to less than 2% tungsten

balance iron and impurities.

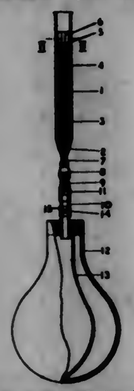
2. Water hardening alloy tool steel as defined in claim 1 containing additionally a small quantity, less than 1% of chromium.

2,569,895

DETECTION OF CARBON MONOXIDE BY PALLADOUS SULFITE AND/OR PALLADOSULFITES

John David Main-Smith and George Alan Earwicker, Farnborough, England, assignors to Minister of Supply, in His Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, London, England

Application March 8, 1945, Serial No. 581,618
In Great Britain July 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 12, 1963
6 Claims. (Cl. 23—232)



1. A material for the detection of carbon monoxide in admixture with other gases consisting of a relatively inert, absorbent carrier substance impregnated with a compound selected from the group consisting of palladium sulphite $PdSO_3$ and the palladosulphites of the formula

$$M_2(Pd(SO_3)_2)_n$$

where M represents a metal having a valency of n, said material normally containing a substantial and uniformly distributed amount of water.

2,569,896

WALL STRUCTURE

Walter A. Mayes, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware

Application September 7, 1945, Serial No. 614,855
5 Claims. (Cl. 189—34)



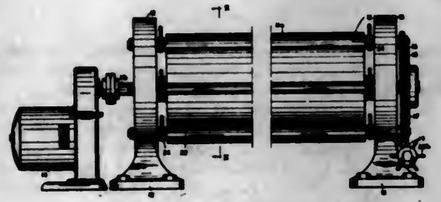
1. A structural assembly of the character described including posts between which panels are arranged one above another, and a light stop strip extending between adjacent posts, said light stop resting upon a lower panel and providing a seat for an upper panel and being freely movable in a vertical plane while being held against movement in a horizontal plane by positioning means on said light stop strip engaging said posts, said light stop strip comprising a relatively flat sheet metal strip having positioning means thereon engaged with adjacent posts, said positioning means being channel-shaped and having a web portion attached to the light stop strip, the flanges of the positioning means being resilient and projecting beyond the ends of the light stop strip and engaging vertical openings in said post.

2,569,897

FINISHING OF WOVEN FABRICS

Alexander Melville, Southport, England, assignor to Bleachers' Association Limited, Manchester, England, a British company

Application August 22, 1947, Serial No. 770,149
In Great Britain August 29, 1946
5 Claims. (Cl. 26—27)



1. A method of treating woven textile material which consists in resiliently applying substantial pressure thereto by means of a comb-like formation relative to which said material is moved whilst firmly supporting said material from beneath, each blade of the said comb-like formation being smooth tipped so as to apply burnishing action to the fabric, the pressure being sufficient to cause the comb-like formation to press on to and below the normal surface of the fabric simultaneously.

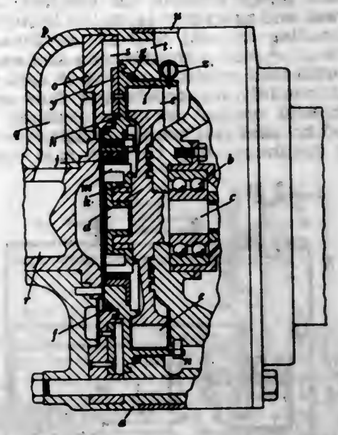
2,569,898

GAS TURBINE

Terence William Millns, London, England, assignor to Rotax Limited, London, England

Application January 26, 1949, Serial No. 72,952
In Great Britain February 3, 1948
3 Claims. (Cl. 253—59)

1. A gas turbine comprising in combination a rotor having peripheral blading, a housing containing the rotor, a movable nozzle member of annular form mounted in the housing at one side of the rotor, and capable of angular movement between a normal position in which motive fluid can flow therethrough to the rotor blading, and another position in which motive fluid is deflected away from the rotor blading by the nozzle member, and a clutch disc situated within the annular nozzle member and secured to the rotor, the clutch disc having a laterally projecting peripheral flange which is split transversely at a plurality of positions to render it resilient and capable of outward radial deflection under the action of centrifugal force into frictional engagement with the annular nozzle member, so that the latter is displaceable by the clutch disc to the position for deflecting the motive fluid away from the rotor blading when the speed of the rotor exceeds a predetermined limit.



2,569,899

MOLD FOR CASTING CRANKSHAFTS

Howard W. Miner, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application January 7, 1949, Serial No. 69,659
1 Claim. (Cl. 22—134)



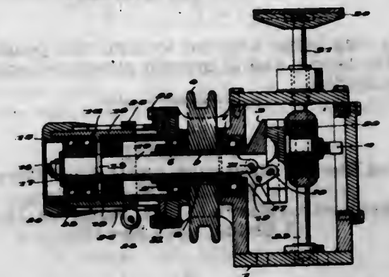
In a mold for horizontal casting of crankshafts, the combination of a mold drag section having a pattern impression of the crankshaft to be cast, arranged horizontally therein such that the longitudinal center line of the crankshaft lies substantially in the plane of the face surface of the drag section, and a mold cope section having a pattern impression of the crankshaft complementary to the impression in the drag section, the drag and cope pattern impressions forming a horizontal, communicating series of molding cavities to receive the casting metal; the cope section being provided with runner passages extending longitudinally thereof on opposite sides of the series of molding cavities, vertical sprue passages opening to the opposite ends of each runner passage, vertical riser passages individual to certain of the molding cavities, each communicating at its lower end with the associated molding cavity substantially in the uppermost zone of the cavity, and opening at its upper end through the top surface of the cope, and a plurality of ingate passages relatively spaced along each runner passage and extending horizontally therefrom to communication with said series of molding cavities, certain of said ingate passages leading directly to certain of said molding cavities having riser passages associated therewith and opening to such cavities in zones thereof relatively near the zones of cavity communication of the riser passages; said riser passages providing for the escape of gases from the molding cavities in crankshaft casting, and serving as reservoirs for the accumulation of excess casting metal rising therein from the molding cavities, and insulation means embedded in the interior surfaces of the riser passages to prolong fluidity of the excess casting metal accumulated in the riser passages, until solidification of casting metal in the molding cavities is substantially complete.

2,569,900

MECHANICAL VIBRATOR

Robert S. Nevin, Sr., Dundalk, and Carleton M. Fields, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Application February 23, 1950, Serial No. 145,868
4 Claims. (Cl. 74—50)



1. A mechanical vibrator capable of producing sinusoidal motion of controlled variable amplitude including a frame, a vibrating table and means for vibrating said table, said means comprising a hollow shaft rotatably supported by said frame, a radially adjustable extension connected to said shaft for producing eccentric motion upon rotation of said shaft, means connecting said extension to said table, a control rod extending axially through said shaft, means connecting said rod with said extension whereby axial movement of said rod causes radial movement of said extension, an adjustment cap and sleeve assembly threadedly engaging said frame for rotational and axial movement therewith, clamping means associated with said sleeve for holding said assembly against inadvertent rotation relation to said frame, and means securely mounted within said assembly and engaging said control rod in a manner which permits independent rotation but no axial movement therebetween whereby the amplitude of said sinusoidal motions may be varied irrespective of the rotational movement of said rod during the operation of said vibrator.

2,569,901

SYRINGE FOR REGIONAL ANESTHESIS OF THE LOWER JAW

Ernest Nicolas Richard, Lille, France

Application July 17, 1947, Serial No. 761,482
In France June 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 17, 1966
5 Claims. (Cl. 128—215)

1. A syringe for the anaesthesis of the lower jaw at Spix's spine, comprising: a barrel, a nozzle at the outer end of the barrel, a ferrule engaging the outer end of the nozzle, a hollow needle carried by the ferrule, a cursor adjustable on the ferrule and surrounding the needle over part of its length, a rigid support constituting an integral extension of the cursor, and a rigid ring in a

plane perpendicular to the axis of the syringe, integral with the support and encircling the needle,



this ring being adapted to limit the penetration of the needle and to prevent excessive bending of the needle.

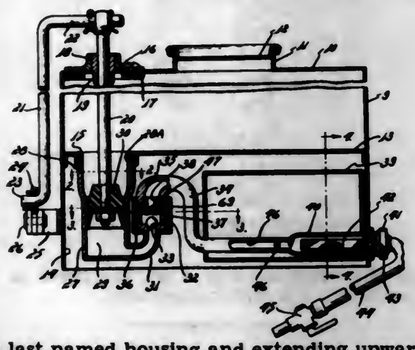
2,569,902
PANELING
Fred Rieman, Ridgewood, and John F. Germain, Brooklyn, N. Y.
Application March 6, 1948, Serial No. 13,433
3 Claims. (Cl. 20—15)



1. A wall panelling comprising, in combination, square, thin, panels having two faces, said panels bevel grooved at four edges thereof, the bevel grooves being deep and having straight edges and bevels, the outer ends of the bevels and the straight edges being in the same plane at right angles from the faces of the panels, the outer ends of the bevels coinciding with the edges of one of the faces of the panels, vertical and horizontal backing complementally bevel grooved at opposite transverse edges, said bevel grooves also having straight edges and bevels, the outer ends of the bevels coinciding with the edges of one of the faces of the backing, the bevel grooves of the panels adapted to interlock at all edges thereof with the bevel grooves of the backing when the backing, vertical and horizontal, is positioned between horizontal and vertical rows of panels.

2,569,903
SPRAYER
Vincent Santarelli, Detroit, Mich.
Application March 4, 1946, Serial No. 651,752
1 Claim. (Cl. 222—263)

A sprayer of the class described comprising a liquid receiving tank; a bottom on said tank positioned upwardly from the lower edges of said tank to provide a compartment below said bottom, said bottom having an opening formed therein; a pump housing communicating through said opening with the interior of said tank and positioned in the said compartment; a pump plunger for forcing liquid from said tank into said pump housing; a conduit communicating with said pump housing for conducting liquid therefrom and upwardly from the bottom thereof; a housing on said conduit positioned above the bottom of said pump housing and communicating with said conduit; a valve in said housing on said conduit for controlling flow of liquid through said conduit in one direction; a head mounted on said last named housing; a tubular conduit communicating through said head with



said last named housing and extending upwardly from said head and thence downwardly and angularly turned; an air pressure chamber enclosing the angularly turned portion of said tubular conduit, said tubular conduit having openings formed therein communicating with said air pressure chamber below the normal water level thereof, said air pressure chamber being positioned below said bottom in said compartment; and an outlet conduit communicating with said tubular conduit for conducting liquid therefrom to the exterior of said air pressure tank.

2,569,904
THREAD CARRIER
Otto M. Schmidt, Lansdale, Pa.
Application January 14, 1948, Serial No. 2,224
9 Claims. (Cl. 66—126)

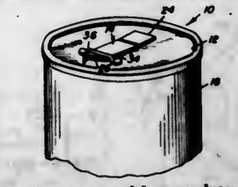


1. A thread carrier for knitting machines comprising a supporting arm having a longitudinal thread guide groove, a thread guide rotatably mounted in a recessed position in the outer end of said arm, and catch means holding the guide stationary and in alignment with said groove.

2,569,905
ATTACHED CAN OPENER
Paul R. Schwark, Port Ewen, N. Y., assignor of one-half to Charles V. Spinnenweber, Port Ewen, N. Y.
Application March 2, 1948, Serial No. 12,629
2 Claims. (Cl. 220—48)

2. A can opener device comprising a can having a cover, a can opener including an elongated

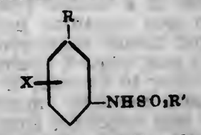
flat bar, a triangularly shaped longitudinally arcuate head formed integrally with one end of said bar with the sides thereof converging in a direction away from said bar, said head extending at an angle to said bar with the concave face thereof disposed downwardly, a cutting tip depending from the end of said head remote from said bar, a U-shaped member having the web portion thereof abutting said can opener adjacent the juncture of said head and said bar, means for



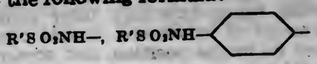
attaching the legs of said member to said cover of said can with the axis of said bar extending diametrically thereof and with the cutting tip of said head disposed adjacent the edge of said cover, said head having cutting edges along the sides thereof to thereby cut a V-shaped aperture in said cover as said opener is pivoted about the web portion of said member, the sides of which aperture diverge inwardly of said cover, an angularly offset handle portion on the other end of said bar.

2,569,906
LIGHT-SENSITIVE EMULSIONS CONTAINING COLOR FORMERS CAPABLE OF YIELDING NONMIGRATORY AZINE DYESTUFFS
Albert C. Starke, Jr., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 23, 1947, Serial No. 793,530
7 Claims. (Cl. 95—6)

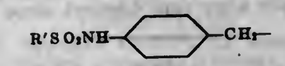
1. A photographic silver halide emulsion capable of yielding azine dyestuff images upon exposure and color development with a primary aromatic amino developer containing as the color former a compound of the following formula:



wherein R is a member of the class consisting of amino and phenolic hydroxyl groups, X is a member selected from the class consisting of groups of the following formula:



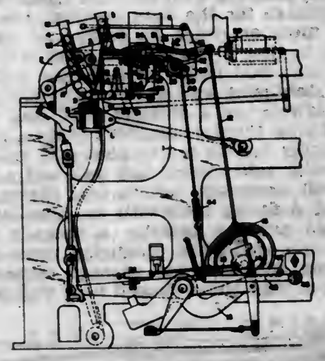
and



and R′ is a member selected from the class consisting of aliphatic and aromatic radicals.

2,569,907
CONTROL MEANS FOR WEFT ENDS IN LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 5, 1950, Serial No. 160,167
12 Claims. (Cl. 139—247)

6. A pneumatic thread control mechanism for a loom having weft ends extending from reserve bobbins, said mechanism comprising a pneumatic thread holder, a hollow pneumatic thread collector the interior of which is in pneumatic com-



munication with the thread holder, a thread retainer roll within the collector, and means mounting said roll for rotation within the collector.

2,569,908
COMBINATION COMB AND BRUSH
Application March 21, 1950, Serial No. 150,895
Frank L. Twitty, Bronxville, N. Y.
1 Claim. (Cl. 132—85.1)



A substantially flat and straight comb and brush back and handle having longitudinally extending, closely spaced, substantially parallel undercut grooveways in the lower face of the same with narrow slots opening from the grooveways through the underface of the flat back and handle, brush and comb elements slidably and removably engaged in said undercut grooveways in closely adjoining, side-by-side relation, said brush elements having wire cores with the ends of the cores bent angularly into opposing relation, substantially cylindrical tubular members engaged over said opposed, angularly bent end portions of the cores, the undercut grooveways for holding said brush elements being substantially circular in cross section to frictionally receive and hold said cylindrical tubular members and the angularly bent end portion of the cores extending through said narrow, open slots and being thereby held by said slots and projecting from the underface of the back in closely adjoining relation to the comb element.

2,569,909
NONROTARY CENTRIFUGAL SEPARATOR
Laurie Edward Richard Umney, Marlow, England, assignor to Power Jets (Research and Development) Limited, London, England, a British Company
Application January 17, 1949, Serial No. 71,382
In Great Britain January 26, 1948
4 Claims. (Cl. 183—80)

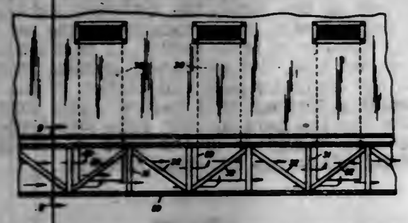
1. A nonrotary centrifugal separator for operating on a fluid medium containing foreign matter therein comprising a tubular core member having a bullet shaped nose wall, a tubular mid-wall and a truncated conical tail wall defining to-

gether a streamlined body having a cavity, a pair of open ended tubular members arranged around said core member in axial alignment with each other and defining with the core member an annular passage for the fluid medium, one of said tubular members being an entry and stabilizing member having a convergent entry wall co-extensive with said bullet shaped nose wall and a tubular stabilizing wall co-extensive with said tubular midwall and a divergent tail wall and the other of said tubular members being a diffusing exit member having a divergent exit wall co-extensive with said conical tail wall and a tubular entry wall projecting within said divergent tail wall and defining therewith an annular outlet from said annular passage, a cascade ring of radially arranged whirl producing vanes extending across said annular passage adjacent the junction of said bullet shaped nose wall and said



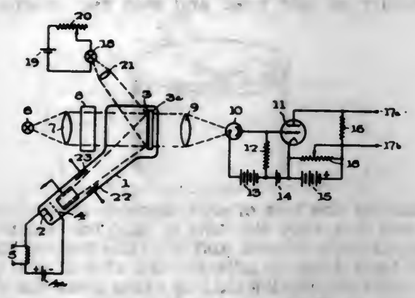
tubular midwall and the juncton of said convergent entry wall and said tubular stabilizing wall to space said core member and said one tubular member apart and to impart a whirl to said fluid medium on its way through said annular passage to centrifuge said foreign matter from the inner layers to the outer layers of said fluid medium to be skimmed off by said tubular entry wall for discharge through said annular opening and allow the cleaned inner layers to pass axially to said diffusing exit member, a cascade ring of radially arranged straightening vanes extending across said annular passage from said core member to the said tubular entry wall adjacent said annular opening to space them apart and straighten the flow of said cleaned fluid medium, and a ring of radially arranged fins extending across said annular passage from said conical tail wall to said diffusing exit member to space said core member from said diffusing exit member.

2,569,910
COMBINATION AIR DUCT AND GIRDER
Henry E. Venuti, Newburgh, N. Y.
Application August 8, 1947, Serial No. 767,469
2 Claims. (Cl. 138—89)



2. A load sustaining air duct comprising a longitudinally disposed substantially rectangular tube, a plurality of longitudinally spaced vertically extending struts within said tube, said struts being terminally secured to the top and bottom walls of the tube, diagonal struts within said tube extending between the upper ends of alternate vertical struts to the lower ends of intermediate vertical struts, a plurality of longitudinally spaced air discharge apertures in the side walls of said tube, said apertures being adjacent and upper edges of said side walls of said tube and medial a pair of adjacent vertical struts.

2,569,911
SIGNAL STORING DEVICE AND PROPORTIONAL-CONTROL CIRCUITS THEREFOR
Herbert Ziebolz, Chicago, Ill., assignor to Electronbeam, Ltd., Chicago, Ill., a partnership of Illinois
Application December 18, 1944, Serial No. 568,751
15 Claims. (Cl. 137—153)



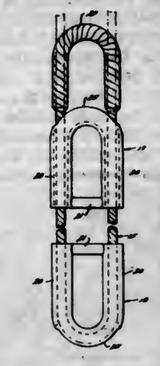
1. A signal storing and integrating device comprising a light sensitive circuit including a light sensitive cell, a source of light for energizing said cell, a light transmitting element interposed between said source of light and said cell and comprising a substance which under the influence of radiant energy is rendered opaque to a degree in proportion to the intensity of the radiant energy and the time the energy acts on said substance, a source of radiant energy for clouding said substance, and signal responsive means for varying the amount of clouding radiant energy acting on said substance.

7. In a regulator system, the combination of a movable control element for varying the magnitude of a condition to be regulated, means for operating said control element including an electron beam relay having beam deflecting means operable to deflect the beam of said relay to one side or the other of a normal position for said beam at which said condition has a predetermined value, and means responsive to said deflection to move said control element in one direction or the other to increase or decrease the magnitude of said condition, means responsive to variation of said condition from said predetermined value for actuating said beam deflecting means in a direction to restore said condition to said predetermined value, means responsive to movement of said control element for applying an opposing beam-deflecting force proportional to the amount of movement of said control element from its initial position, and means for reducing said opposing force to zero at a predetermined rate after said element stops moving.

2,569,912
ROPE SLING
Hans Andersen, Detroit, Mich.
Application October 27, 1947, Serial No. 782,419
4 Claims. (Cl. 294—74)

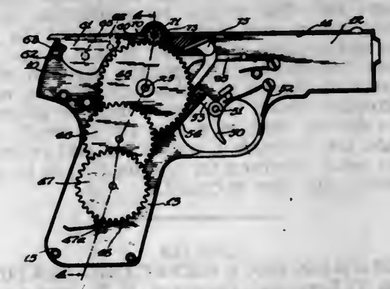
1. A rope sling including a length of rope reversely looped intermediate its ends so as to provide spaced parallel extending rope sections, a generally U-shaped tubular member being partially open intermediate the ends thereof so that the free ends of said cable can initially extend through and beyond said tubular member, said rope free ends being spliced to provide an endless rope with the spliced portion being of a larger

diameter than the remainder of the rope, and the majority of the spliced portion of said rope



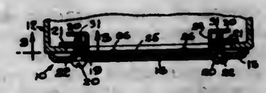
being tightly embraced and confined in said tubular member.

2,569,913
AUTOMATIC CAP PISTOL
Carl E. Anderson, Chicago, Ill., assignor to Callen Manufacturing Corporation, Maywood, Ill.
Application September 24, 1948, Serial No. 50,998
6 Claims. (Cl. 42—57)



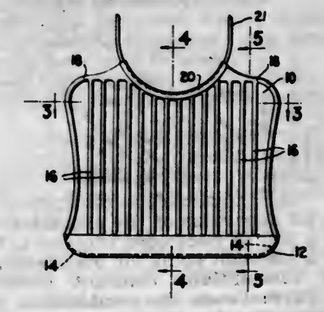
1. A toy pistol designed to feed a tape of longitudinally-spaced ammunition caps, said pistol having a hollow body with an opening at the top, a closure plate for said opening and formed as an anvil opposite one side of the tape, a hammer operative toward the latter from the other side in the direction of the anvil, and a friction drive for the tape comprising a rotary feed drum in said body, and a roller carried by said closure plate opposite the feed drum, the tape passing between said roller and feed drum.

2,569,914
COVER CLAMP
Arthur I. Appleton, Chicago, Ill., assignor to Appleton Electric Company, Chicago, Ill., a company of Illinois
Application August 6, 1948, Serial No. 42,987
1 Claim. (Cl. 220—25)



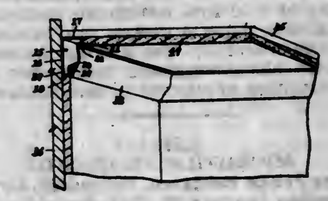
A closure member for the access opening of a conduit fitting and comprising, in combination, an oblong cover plate, a pair of clamping screws each mounted for free turning movement in said cover plate, a pair of clamping dogs carried by respective ones of said screws and mounted in threaded engagement thereon, helical springs interposed between respective ones of said dogs and said cover plate, each said spring being disposed in surrounding relation with a corresponding one of said screws, and a relatively shallow, substantially U-shaped sheet metal stamping rigidly fixed to the inner surface of said cover plate, said stamping having side portions each adapted to serve as a stop abutment for a respective one of said clamping dogs, said stamping also having out-turned end portions each extending into overlying relation with the end of a respective one of said clamping screws, each said out-turned end portion being normally spaced from the end of its associated screw by an amount less than the thickness of said dog to provide an indication of approaching disengagement between the screw and its dog.

2,569,915
CHILD'S BIB
James R. Arseneault, Worcester, Mass., assignor to Olive L. Buell, Worcester, Mass.
Application May 13, 1949, Serial No. 93,075
2 Claims. (Cl. 2—49)



1. A bib of the class described comprising a protective sheet conforming to the chest and stomach of a user, a trough along an edge of the sheet at the bottom, a flange at the top, vertical ribs on the sheet directing material straight down therebetween to the trough, the sheet at the flange being apertured for liquids to be directed from the rear of the sheet to the front, said apertures being staggered in rows and slanting down from the rear to the front.

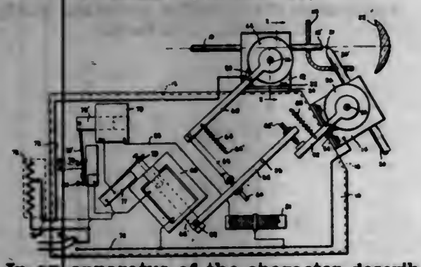
2,569,916
SURFACE METAL RACEWAY
Charles E. Barnes, Sr., and Charles E. Barnes, Jr., Philadelphia, Pa., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 30, 1949, Serial No. 118,966
4 Claims. (Cl. 189—35)



1. A raceway consisting of a body member comprising a back wall, a forwardly projecting top wall, a flat pendant flange along the forward

edge of said top wall, said pendant flange having a vertical width sufficient to function as a plaster stop, a flat bottom wall projecting forwardly from the lower edge of the back wall and of a width sufficient to establish the thickness of a plastered wall contiguous said bottom wall whereby the latter functions as a plaster ground, a flat vertical flange projecting upwardly from the forward edge of the bottom wall with a relatively sharp corner, said vertical flange, bottom wall and the lower portion of the back wall forming a substantially rectangular channel to hold electric wires, an inturned hook along the entire free edge of said pendant flange, a curved lip along the entire free edge of said upturned vertical flange, and a closure having means along both of its longitudinal edges engaging with said hook and lip and detachably securing said closure to the body member.

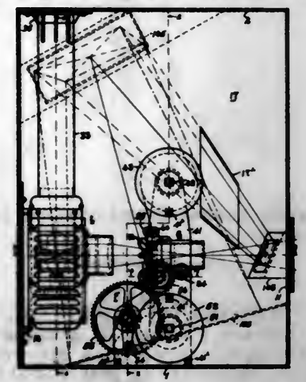
2,569,917
ARC LAMP AND THE LIKE
Andrew Bergmann, Cheektowaga, N. Y.
Application May 1, 1948, Serial No. 24,499
6 Claims. (Cl. 314—68)



1. In an apparatus of the character described having a pair of electrodes adapted to be moved toward a common point for maintaining an arc gap of substantially constant predetermined length therebetween, the combination of an actuating member for effecting movement of each electrode toward said point, driving means for actuating each member and arranged to cause a predetermined amount of forward movement of each electrode when moved from an initial position a predetermined distance in a driving direction, means for urging said driving means toward its initial position, conductors for connecting said electrodes to a source of electrical energy, a main electromagnetic means for actuating said driving means and connected to said conductors, a first normally open switch in series with said main electromagnetic means for controlling the supply of energy thereto, and a control circuit connected to said conductors so as to be shunted across said gap, said control circuit comprising a second normally closed switch and an electromagnetic control means in series therein, said electromagnetic control means being responsive to a potential in said control circuit of a predetermined amount and operative to effect a closing of said first switch for energizing said main electromagnetic means, said second switch being responsive to the driving movement of said main electromagnetic means for effecting an interruption of current in said control circuit.

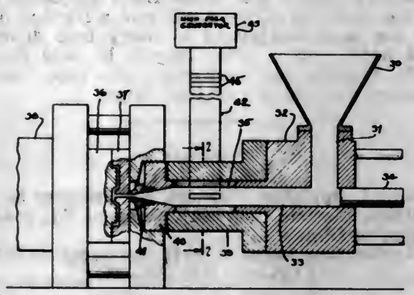
2,569,918
MICROFILM PROJECTOR
Per Johan Berggren, Ridgefield, Conn.
Application January 22, 1946, Serial No. 642,732
12 Claims. (Cl. 88—24)

1. The combination of a microfilm projector and viewer comprising a viewing box completely enclosing a lantern, a projection unit, reflection means and an opaque viewing screen fixed in said box; said lantern comprising a source of light, an envelope for said source of light, said envelope comprising self-contained heat dispersion means, condensing means for concentrating light from said source, said condensing means comprising self-contained heat filtering means; said projection unit comprising film guide means and film drive means mounted thereon for guiding film images through the path of said concentrated



light, means for focusing the light passing through said film images for projection onto a viewing screen, and means for rotating the projected image about the center of said image, said viewing box having an opening through which said viewing screen is visible and another opening through which the image may be projected onto a viewing surface, a door for normally closing said last opening, a portion of said reflecting means being mounted on said door so as to be in use when said door is closed.

2,569,919
HIGH-FREQUENCY DIELECTRIC HEATING
Joseph V. Bertrand, Brooklyn, N. Y., and George S. Shaw, Greenwich, Conn., assignors to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware
Application September 20, 1946, Serial No. 698,242
6 Claims. (Cl. 18—30)

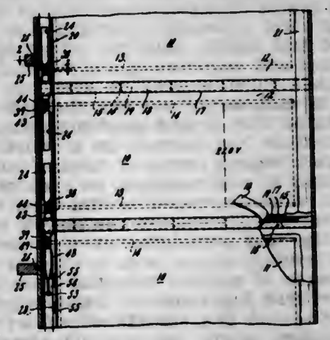


1. In a device of the character described, the combination comprising a high frequency electrical generator, a heating chamber, and a wave guide means connecting said generator and chamber, including a directional coupler and tuning means connected to said coupler automatically matching the impedance of said generator and guide during heating of plastic in said guide as the impedance of said plastic changes during heating thereof.

2,569,920
COATING COMPOSITIONS AND PROCESSES OF APPLYING SAME TO GLASS
Allen Cleland Buck, New Brunswick, and Joseph Francis Conlon, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1949, Serial No. 88,916
22 Claims. (Cl. 117—124)

15. A process of applying a substantially permanent decorative finish to glass, comprising coating the glass with a solution of an esterifiable epoxyhydroxy polyether resin and a latent cross-linking agent therefor of the group which consists of citric acid, tricarballylic acid, aconitic acid, itaconic acid, citraconic acid, malic acid, and diglycollic acid, and subjecting said coated glass to a temperature between 330° F. and 475° F. for from 1 hour to 10 minutes.

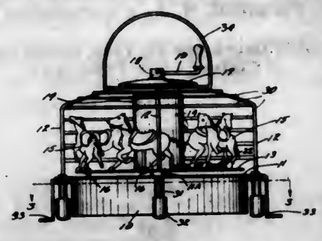
2,569,921
RADIANT HEATING INSTALLATION
Robert C. Cassidy, Fairlawn, John F. Schreiber, Passaic, and Elbert De F. Tidd, Clinton, N. J., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 14, 1950, Serial No. 184,872
9 Claims. (Cl. 219—19)



5. In combination with electrical heating panels, a raceway for enclosing electrical conductors feeding a multiplicity of heating panels applied to the ceiling of a room, comprising an angular channel having a top wall and a back wall and adapted to fit at the junction of a wall and ceiling of a room, and spaced openings in the top wall of said raceway for receiving electrical connecting means protruding from the heating panels, said openings being greatly elongated to permit adjustably positioning the raceway with respect to said connecting means.

2,569,922
TOY MERRY-GO-ROUND
Emanuele Centofanti, Youngstown, Ohio
Application March 7, 1949, Serial No. 80,030
1 Claim. (Cl. 272—31)

In a toy merry-go-round having a circular base and a top piece and a plurality of spaced vertical uprights positioned about the edge of the said top piece, the said uprights bent inwardly at their upper ends toward a common center and secured to one another; a vertical shaft disposed centrally of the said base and uprights, a crank on the uppermost end of said shaft; a collar having an opening therein secured to said shaft, a merry-go-round disc rotatably positioned on said top piece and an adjustment screw threadably mounted on said merry-go-round disc for registry in the opening in said collar whereby rotatable motion imparted

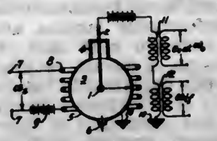


to the said shaft may be conveyed through the screw to said disc when said screw is engaged in said collar and music making means in said base connected to said shaft for actuation thereby when said shaft is rotated.

2,569,923
HALOGENATED UNSATURATED HYDROCARBON PRODUCTION
Harry A. Cheney, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 29, 1947, Serial No. 764,551. In the Netherlands December 17, 1946
6 Claims. (Cl. 260—656)

1. The process for the production of vinyl chloride which comprises passing ethylene dichloride in the vapor phase at a temperature of from about 425° C. to 675° C. through a bed of inert gravel consisting of smooth surfaced rounded fragments of rock positioned in a reaction zone of restricted cross-sectional area.

2,569,924
VACUUM TUBE MIXING CIRCUITS
John H. Coleman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1948, Serial No. 57,461
10 Claims. (Cl. 332—57)



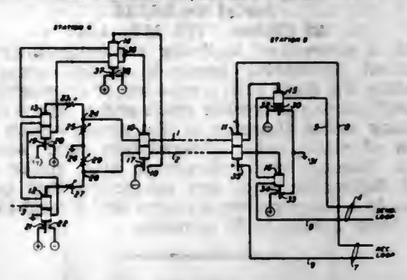
6. Apparatus for mixing two currents of different frequencies to produce currents of an intermediate frequency comprising: a rarified gaseous-medium tube, a source of nuclear charged particle radiation within said tube, a secondary electron emission responsive material within said tube and adjacent said source, means for impressing upon said medium a magnetic field alternating in accordance with the frequency of one of said two currents, means for impressing upon said source and said material electric potentials alternating in accordance with the frequency of the other of said two currents, whereby conduction currents are generated within said tube corresponding to predetermined modulation products of said different frequencies, and means for collecting the said conduction currents.

2,569,925
TERMINAL BLOCK FOR ELECTROLYTIC CAPACITORS
Paul McKnight Deeley, North Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application December 30, 1948, Serial No. 68,369
3 Claims. (Cl. 175—315)



1. A capacitor, comprising, a container open at one end, a seal receiving abutment extending around the periphery of the inner wall of the container adjacent the open end, said container being sized to provide a capacitor unit receiving space defined at its open end by said abutment, a capacitor unit contained within said container having terminal leads extending past said abutment, a first sealing element composed of a soft deformable lamina bonded to a stiff relatively undeformable lamina, said first sealing element shaped to be received by the open end of the container and being positioned therein with said deformable lamina in contact with said abutment, tubular metallic sleeves sized to closely encompass said terminal leads mounted on said first sealing element for permitting passage therethrough of said terminal leads, each of said sleeve members being mounted substantially flush with said deformable lamina and extending a substantial distance past said relatively undeformable lamina, a second sealing element composed of a soft deformable lamina bonded to a stiff relatively undeformable lamina shaped to be received by the open end of the container and being positioned therein with the deformable lamina positioned adjacent the relatively undeformable lamina of the first sealing element, passage means extending through said second sealing element having positioning recesses adjacent thereto, a pressure block having terminal receiving passages extending therethrough shaped to be received by the open end of said container and being disposed therein in contact with the relatively undeformable lamina of the second sealing element, terminal lugs having a cylindrical body portion sized to closely encompass said sleeves contained within said terminal receiving passages, each of said terminal lugs having positioning ears adjacent said cylindrical body portions thereof and disposed within said recesses in said second sealing element, and means for maintaining said block in compressive engagement with said second sealing element.

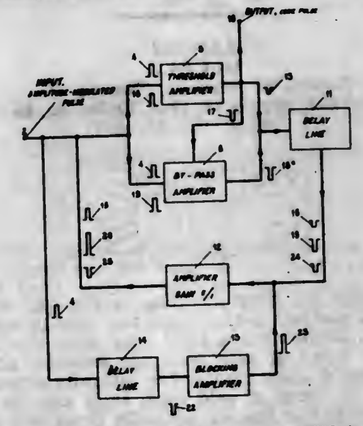
2,569,926
TWO-WIRE DOUBLE COMMUTATION TELEGRAPH SYSTEM
Frank H. Fay, Huguenot Park, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 12, 1949, Serial No. 87,963
13 Claims. (Cl. 178—58)



12. In a direct-current telegraph system a first telegraph line grounded at a first station, said line extending through a contact and armature of a first sending relay through a first winding of a first receiving relay at said first station to a second station, through a second winding on a second receiving relay, through an armature and contact of a second sending relay, through a first source of negative potential of magnitude a to ground, a second telegraph line grounded at said first station, said line extending through a contact and armature of a third sending relay, through a third winding on said first receiving relay to said second station, through a fourth winding on said second receiving relay, through an armature and contact on a fourth sending relay to a second source of positive potential of magnitude a, said windings on each of said receiving relays connected so that their effects on their respective relays are cumulative, means for actuating said armatures of said second and fourth sending relays so as to impress said second source of positive potential a on said first line and said first source of negative potential a on said second line, simultaneously, at said second station, while said ground remains connected to said lines at said first station, a third source of positive potential of magnitude $2a$ and a fourth source of negative potential of magnitude $2a$ at said first station and means for actuating said armatures of said first and third sending relays so as to connect said third and fourth sources of said first and said second lines, respectively, simultaneously, while said first and said second sources of potential are connected to said first and said second lines respectively at said second station, a biasing winding on said second receiving relay, the effect of said winding being equal and opposite to one half of the sum of the combined effects of said second and fourth winding for the grounded condition and the $2a$ potential conditions of said lines at said first station.

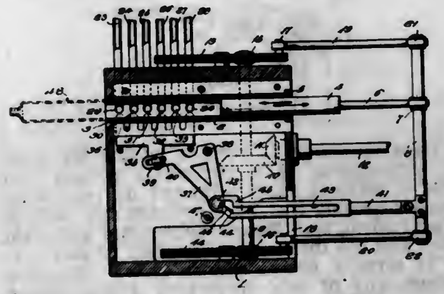
2,569,927
BINARY CODING BY SUCCESSIVE SUBTRACTIONS
Paul François Marie Gloess and Louis Joseph Libois, Paris, France
Application November 1, 1949, Serial No. 124,771
In France November 13, 1948
6 Claims. (Cl. 332—1)

1. Method for translating recurrent amplitude-modulated electric pulses into code pulse groups, according to a chosen code, each code group including an integer number n of successive elements, which comprises comparing the amplitude of said amplitude-modulated pulses with a fixed reference amplitude, dividing said amplitude-modulated pulses into a first group of greater amplitude than said reference amplitude and a second group of amplitude at most equal to said reference amplitude, deriving from said amplitude-modulated pulses modified signals selectively by reducing the amplitude of the pulses of said first group by an amount equal to said reference amplitude and thereafter amplifying the reduced amplitude by a factor greater than unity and leaving the pulses of said second



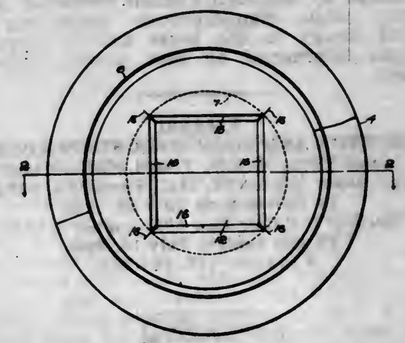
group unaltered and thereafter amplifying them by said factor greater than unity, creating a code pulse for said first group, repeating on the modified signals the same sequence of comparing, dividing, deriving and creating, thus deriving from said modified signals further modified signals which are thereafter submitted to the same sequence of operations as said modified signals and repeating the same procedure in all a number of times determined by the number n of the elements of above-said chosen code, a code pulse being created for the first group of pulses obtained as a result of each successive comparison and the total number of comparisons being equal to above-said integer number n.

2,569,928
APPARATUS FOR FILLING TUBULAR RECEPTACLES WITH PLURAL MATERIALS
Carlos Gonzalez, Ciudad Trujillo, Dominican Republic
Application October 3, 1949, Serial No. 119,227
2 Claims. (Cl. 226—100)



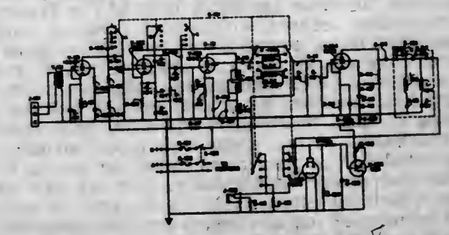
1. Apparatus for filling tubular receptacles with plural materials in layered arrangement comprising a filling cylinder having an outlet nozzle at one end, a piston movable into said cylinder from the opposite end, at least two paste material injection tubes opening laterally into said cylinder intermediate the discharge end and the piston when at its outer stroke, gate means and a connection between the gate means and the piston closing the supply of material from said injection tubes when the piston is moving inwardly to discharge a column of material through the discharge end.

2,569,929
ROTARY ABRADING TOOL
Elisha W. Hall, Scituate, and Albin S. Rock, East Bridgewater, Mass., assignors to F. L. & J. C. Codman Company
Application January 12, 1949, Serial No. 70,474
8 Claims. (Cl. 51—193)



1. In an abrading tool, the combination of an abrading ring for application to a shaft along with others to form a roller, and means carried by said ring including a disk having an aperture whose margin is formed as a part of a pyramid.

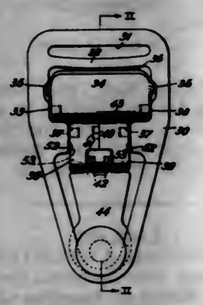
2,569,930
LISTENING AMPLIFIER
Russell O. Hanson, New London, Conn., assignor to the United States of America as represented by the Secretary of the Navy
Application December 28, 1945, Serial No. 637,742
1 Claim. (Cl. 177—386)



In apparatus for determining the direction and predominant frequencies of a source of audible underwater sound adapted for use with a single rotatable hydrophone having a highly directional characteristic at high audible frequencies and less directional characteristics at lower audible frequencies, a first amplifier having its input connected to said hydrophone, a second amplifier having its input connected to the output of said first amplifier, a first high-pass filter having a cut-off frequency at a high audible frequency connected to the output of said second

amplifier, an electron ray indicating tube, a headset, a plurality of second high-pass filters each having a different cut-off frequency in the audible frequency range below the cut-off frequency of said first high-pass filters, a first multi-position switch means for selectively connecting the inputs of said second high-pass filters to the output of said first amplifier and the outputs of said second high-pass filters to said headset, a second multi-position switch means for connecting said electron ray indicating tube to the output of said first high-pass filter when any of the outputs of said second high-pass filters are connected to said headset, and for connecting the output of said first high-pass filter to said headset when said second high-pass filters are disconnected from said headset, said first and second multi-position switch being mechanically ganged for simultaneous operation, whereby the operator is enabled to accurately locate a source of sound by the high audible frequency sound energy while simultaneously estimating the sound energy in the lower audible frequency ranges determined by said second high-pass filters.

2,569,931
BUTTON AND LOOP SOCK SUSPENDER
Josef Hora, Melide, Ticsin, Switzerland
Application August 18, 1947, Serial No. 769,275
In Switzerland July 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 10, 1966
1 Claim. (Cl. 24—245)

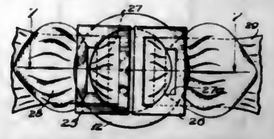


A hosiery holder comprising a frame of plastic material provided with a central opening, a pressure member disposed in said opening for clamping the hose against a part of the frame, a crank-link located within said opening, said crank-link being composed of two halves pivotally connected to opposite sides of the frame by a lug and recess connection, the two halves being held together by a stud on one half engaging a recess provided in the other half, each of the halves of the crank-link being pivotally connected to the pressure member by means of a lug and recess connection having its axis in spaced parallel relationship to the axis of said first mentioned lug and recess connection pivotally connecting two halves to the frame, whereby said pressure member may be brought into hose clamping position or hose releasing position by a pivotal movement of said halves, means on the frame and on said two halves for yieldingly holding the crank-link against pivotal movement when the pressure member is in clamping position, said pressure member, said two halves of the crank-link and the frame having bodily contact when the pressure member is in clamping position to relieve the lug and recess connections from load.

2,569,932
CROSS-LINKED HYDROLYZED INTERPOLYMER OF VINYL ACETATE AND ALLYLIDENE DIACETATE AND PROCESS
Emmette Farr Izard, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1945, Serial No. 630,132
3 Claims. (Cl. 260—67)

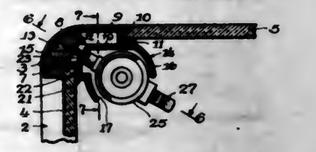
1. The polymer obtained by reacting aldehyde with hydroxy groups of a hydrolyzed interpolymer of vinyl acetate and allylidene diacetate, said polymer having a molecular weight of at least 1000.

2,569,933
BUCKLE
Robert W. Johnson, Chicago, Ill.
Application March 18, 1948, Serial No. 15,700
1 Claim. (Cl. 24—197)



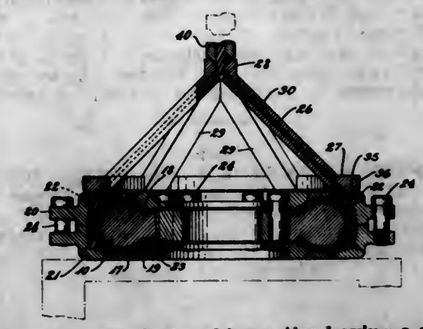
A buckle for garment belts or the like whose terminal sections gather from the sides in spaced relation, comprising a rigid ring with side portions in front of said terminal sections, and a pair of rigid loops disposed in laterally arranged relation in front of said ring, each loop having an internal bar spaced inwardly from said side portions, each of said terminal sections being trained forwardly along the inner edge of the related bar to wrap over the same and to the rear, and then passed outwardly behind the related one of said side portions to issue from the same as one end of the belt, the internal bar of each loop defining a slot on the inner side and defining a shorter slot on the outer side, and the outer edge of the internal bar intercepting a relatively short segment by crossing part of the inner edge of the corresponding side portion of the rigid ring and thereby constricting the passage of the corresponding terminal section to the rear.

2,569,934
COMBINATION REFLECTOR AND SHOWCASE FRAME
Charles Kenneth Kurtzon, Chicago, Ill., assignor to Garden City Plating & Manufacturing Co., a corporation of Illinois
Application January 3, 1947, Serial No. 720,074
3 Claims. (Cl. 240—6)



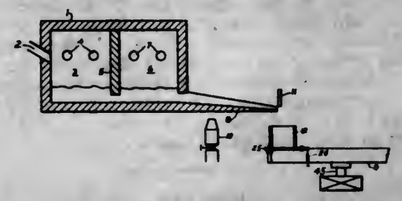
2. In a showcase, a cornice having its front edge terminating in a horizontal bottom and having a vertical offset adjacent its rear edge, a flange bisecting the space between said bottom and said offset, said flange cooperating with said bottom and the intermediate portion of said cornice to form a wedge shaped space extending longitudinally of said cornice, a wedge shaped block snugly fitted into said wedge shaped space, and a reflector secured to said block.

2,569,935
METHOD AND APPARATUS FOR MAKING COMPOSITE TIRE ARTICLES
Charles W. Leguillon and Otto E. Hermanns, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 14, 1948, Serial No. 54,372
12 Claims. (Cl. 154—9)



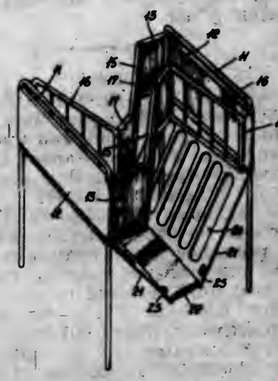
1. The method of making a tire having a rubber covered annular body terminating in spaced-apart bead portions and providing in the completed tire an interior space, which method comprises forming an annular body having spaced-apart bead portions, supporting the said body between said portions on an annular support against collapse in the radially inward direction, surrounding said body and said support by a mold providing an enclosed space of determinate thickness and shape about said body open to the radially outer face of said body, then while said body is thus supported filling the enclosed space with rubber material by injection thereof in plastic form in intimate contact with said body, and subjecting the rubber covered body to a vulcanizing operation while said body and its support are so surrounded.

2,569,936
PHOSPHATE PRODUCT AND METHOD OF MAKING SAME
Robert W. Liddell, Bethel Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1947, Serial No. 784,841
8 Claims. (Cl. 23—106)



1. As a new and useful product of manufacture a hardness sequestering alkali-metal phosphate glass which is characterized by its rapid rate of solution in water, its multicellular foam-like structure, and its high degree of friability, said phosphate glass being the product obtained by heating an alkali-metal phosphate glass until molten, continuing heating until the water content is below about 0.15% by weight, adding thereto a solid alkali-metal carbonate whereupon carbon dioxide is liberated and dispersed throughout the melt, and cooling the resultant mixture until it assumes a solid form.

2,569,937
FOLDING CRIB
Theodore Hjalmar Lindgren, Closter, N. J.
Application November 31, 1947, Serial No. 787,301
4 Claims. (Cl. 5—99)



1. A crib adapted for folding with the mattress in place including a pair of end members, a pair of side members, and a bottom member, said bottom member including a plurality of sections hinged together, said bottom member being hinged to the end members for downward folding movement upon approach of the end members toward each other, each side member being hinged to said end members, said side member including three sections hinged together along vertical lines for inward movement upon approach of the end members toward each other.

2,569,938
LINGERIE SHOULDER STRAP HOLDER OF BENT WIRE
Ethel M. Lovejoy, Seattle, Wash.
Application November 27, 1948, Serial No. 62,331
1 Claim. (Cl. 24—86)



A lingerie shoulder strap holder comprising a wire-like member bent substantially double and having two parts thereof adjacent the bight portion spaced from each other to provide a garment engaging loop adapted to support the strap holder when it is engaged with the shoulder portion of an outer garment, the two parts of said wire-like member outwardly from said garment engaging loop converging into reinforcing engagement with each other with one part thereof inside of the other part and extending in a curve away from said garment engaging loop and thence back toward said garment engaging loop to thereby provide a two part strap receiving loop in which the two parts thereof have their ends positioned adjacent to but spaced a short distance from the bight end portion of said garment engaging loop to leave an opening through which shoulder straps can be passed into and out of said strap receiving loop, the end of the outermost wire-like part of said strap receiving loop being pointed whereby it can be deflected away from the adjacent wire like part and inserted

through the cloth of an outer garment and the shoulder strap holder rotatively moved relative to the portion of cloth engaged by the outermost wire like part to connect the garment engaging loop with the outer garment; and an inwardly extending strap retaining member provided on the end of the innermost wire-like part of said strap retaining loop.

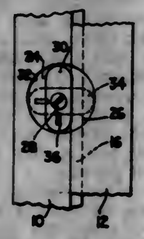
2,569,939
INFRARED PHOSPHORS
Donald W. Lyon, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 22, 1949, Serial No. 134,602
9 Claims. (Cl. 252—301.4)

1. A process for the production of an infrared-sensitive phosphor which comprises heating together, at temperatures ranging from 800° C.–1300° C. and until infrared sensitivity is developed, from 0.001 to 0.01% by weight of a samarium activator, from 0.001 to 0.1% by weight of a cerium activator and an oxide of calcium with a stoichiometric proportion of a compound selected from the group consisting of an oxide of an element from the group aluminum, molybdenum, silicon, tin, titanium and vanadium and a compound of said elements which yields an oxide during said heating.

2,569,940
INFRARED PHOSPHORS
Donald W. Lyon, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 22, 1949, Serial No. 134,603
9 Claims. (Cl. 252—301.4)

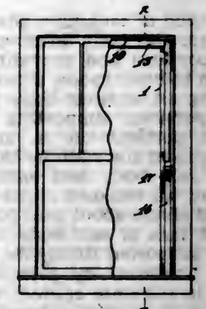
1. A process for the production of an infrared-sensitive phosphor which comprises heating together in an oxidizing atmosphere, at temperatures ranging from 800° C.–1300° C. and until infrared sensitivity is developed, from 0.001 to 0.01% by weight of samarium, between 0.01 and 1.0% by weight of manganese, and an oxide of calcium with a stoichiometric proportion of a compound selected from the group consisting of an oxide of an element from the group aluminum, molybdenum, silicon, tin, titanium and vanadium and a compound of said elements which yields an oxide during said heating.

2,569,941
STORM DOOR AND WINDOW HARDWARE
Faustina Mastrangelo and Bianca Mastrangelo, Fitchburg, Mass.
Application May 20, 1949, Serial No. 94,392
2 Claims. (Cl. 20—56.1)



1. In combination with an outer frame member forming a window opening, a window sash fitting said opening, said frame and sash being provided with complementary shallow recessed portions which, when juxtaposed, form a single recess with a circular peripheral wall extending to the surface of the frame and sash, one of said recessed portions being larger than the other, and means for detachably fastening said frame and sash in assembled position comprising an elongated fastening member having a length substantially equal to the diameter of the combined recess and fitting wholly within said recess, said fastening member being pivoted within the larger of said recessed portions, and its pivot being slightly eccentric with reference to the combined recess in the direction of the larger recess.

2,569,942
COMBINATION STORM AND SCREEN UNIT
Leland T. Milner, Cincinnati, Ohio, assignor, by mesne assignments, to The F. C. Russell Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1946, Serial No. 663,721
7 Claims. (Cl. 160—90)

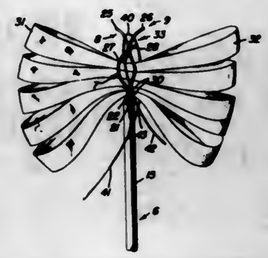


1. A combination storm and screen panel unit for a building opening comprising a frame having spaced parallel side members each double stepped in cross section providing panel tracks of different widths, a plurality of panels assembled in the frame including upper and lower panels of substantially the same width having sides received in the narrow panel tracks and another panel having sides received in the wider panel tracks, bracket means carried by at least one of the side members and in engagement with the bottom of the upper panel to support the latter, said bracket means including an upstanding element engageable with a side face portion of the upper panel confining the latter against the frame and preventing lateral withdrawal of the upper panel from the narrower panel tracks of the frame, and means for retaining said other panel in the wider panel tracks.

2,569,943
BOW FORMING AND TYING JIG
John W. Mitchell, Jamestown, N. Y.
Application May 19, 1949, Serial No. 94,269
3 Claims. (Cl. 223—46)

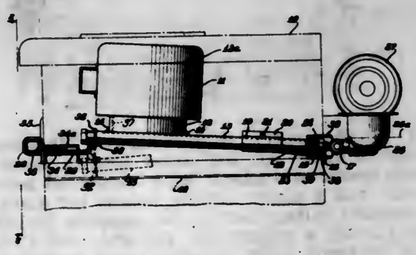
1. A ribbon clenching and holding jig through the medium of which a single length of ribbon may be alternately looped upon itself, gathered and fashioned into a decorative corsage bow comprising a support, and a plurality of vertically disposed juxtaposed spring fingers having their lower ends disposed in close proximity with each other and securely anchored on said support to

provide a wedge-like ribbon bunching and gathering vise, there being three such fingers and two of such fingers being long and substantially duplicated, opposed, and in a plane with each other and, the remaining finger being shorter and superimposed upon and contacting said two



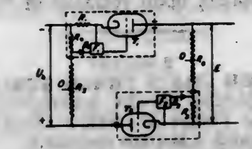
fingers and the upper free end portion of said remaining finger being deflected from one of said long fingers and being disposed in approximate parallelism with the remaining long finger in a manner to facilitate the steps of inserting and holding the ribbon and finally tying and removing the finished bow.

2,569,944
GRAVITY FEED FUEL CONTROL MEANS FOR WICK TYPE BURNERS
Averd Nelson, Wisconsin Rapids, Wis., assignor to Prentiss Wabers Products Co., Wisconsin Rapids, Wis., a corporation of Wisconsin
Application January 15, 1947, Serial No. 722,116
7 Claims. (Cl. 158—36.6)



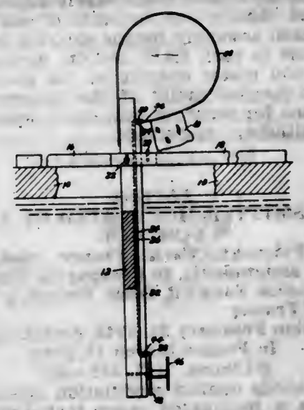
6. In combination, a tube, means for tiltably raising and lowering said tube progressively about an axis with a movement in a vertical plane, a liquid fuel supply member connected to deliver fuel to and receive fuel from one end of said tube, said liquid fuel supply member being fixed in location relative to said axis, a burner communicating with the other end of said tube and tiltable as a unit with said tube, and means for selectably changing the elevation of said burner with respect to said fuel supply member whereby fuel may flow from said burner toward said supply member or may flow from said supply member toward said burner through said tube in response to the position of said burner, flexible connecting means for delivering fuel from said fuel supply member to said tube, said axis extending through said flexible connecting means, the only communication between said burner and said tube being at the bottom of said burner on the high side of said burner when said burner is in its elevated position and being located symmetrically with said plane.

2,569,945
DEVICE CONTAINING ELECTRON TUBES FOR AUTOMATICALLY STABILIZING HIGH-VOLTAGE SOURCES WITH SYMMETRICAL POTENTIAL DISTRIBUTION
Olav Netteland, Oslo, Norway
Application December 30, 1947, Serial No. 794,572
In Norway November 1, 1945
3 Claims. (Cl. 322—32)



1. A system for stabilizing high tension direct current electrical systems, comprising in combination a high voltage source to be stabilized, two operatively independent grid controlled stabilizing valves connected in series in the negative and positive high voltage lead respectively connecting the load with said source, which two stabilizing valves form the stabilizing circuit, a potentiometer connected across the input of said stabilizing circuit, the variable contact of which potentiometer is connected to the input of an electronic amplifier the output of which is connected with the control grid of one of said stabilizing valves producing a voltage which is a linear and phase-inverted function of the unstabilized input voltage, a further potentiometer connected across the output of said stabilizing circuit, the variable contact of said second potentiometer being connected to the input of a second electronic amplifier the output of which is connected with the control grid of the other of said stabilizing valves for producing a grid potential being a direct linear function of the stabilized output voltage which is applied to the load.

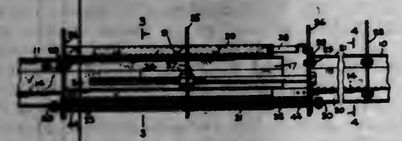
2,569,946
ICE-FISHING TILT
Elven H. Olesen and Arthur J. Olesen, Leominster, Mass.
Application March 10, 1950, Serial No. 148,768
3 Claims. (Cl. 43—17)



1. An ice fishing tilt comprising an upright, a signal spring attached at one end to an end of the upright, means to support the upright in a hole in the ice, a reel rotatably mounted on the upright at the end thereof opposite the signal spring, a rod in the upright parallel to the length

thereof, a projection at each end of the rod extending substantially horizontally away from the upright, one projection being adjacent the reel and other projection being at the signal spring end of the upright, a lip on the upright just below the second named projection, the latter being adapted to frictionally hold the free end of the signal spring down against the lip, and means on the reel to rotate the rod sufficiently to release the signal spring upon rotation of the reel.

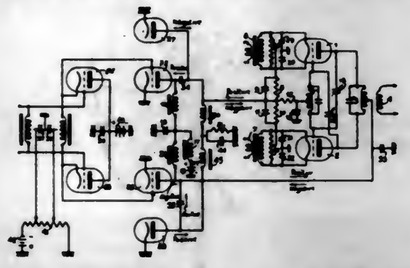
2,569,947
CONVEYER CHAIN TRACK STRUCTURE
Olaf John Barclay Orwin, Smethwick, England, assignor to Fisher & Ludlow Limited, Smethwick, England, a British company
Application June 30, 1949, Serial No. 102,357
In Great Britain July 10, 1948
4 Claims. (Cl. 198—177)



2. In a conveyor comprising an endless conveyor chain including pairs of transversely spaced load-bearing rollers and a track for supporting the load-bearing rollers and guiding the chain, the provision of a pair of longitudinally spaced and aligned track sections, a connecting member connecting said track sections together, said connecting member comprising two assemblies of nested bars of right angle form in cross section, each disposed with one of their two flanges vertical, the upper edges of which flanges are adapted to provide a support for the load-bearing rollers in alignment with the support provided for such rollers by the two track sections, each assembly supporting one of the two rollers at each side of the track, and each assembly comprising two sets of bars, the bars in one set alternating with the bars in the other set, the two sets being disposed in overlapping relationship and slidable relative to one another in a direction longitudinally of the track, a pair of longitudinally spaced transversely disposed plates connected rigidly one to each of said sets of bars in each assembly, means securing said plates rigidly one to each track section, means for adjusting said plates relative to one another in a direction longitudinally of the conveyor track, and means for securing said plates against relative longitudinal movement.

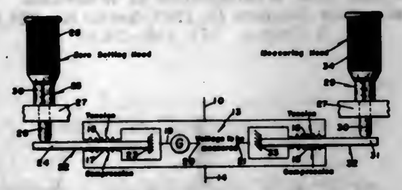
2,569,948
TRANSMITTER MODULATED BY ANODE CONTROL
Joseph Pelonsky, Paris, France, assignor, by mesne assignments, to Compagnie Generale de Telegraphie Sans Fil, Paris, France, a corporation of France
Application February 24, 1949, Serial No. 78,097
In France March 12, 1948
6 Claims. (Cl. 332—60)

1. An anode control modulation device, which comprises a modulated stage including a tube having an anode and a cathode, a modulating stage provided with two symmetrically connected tubes each having an anode and a cathode and adapted to operate according to the class B method, a coupling provided with means for enabling low-frequency signals to pass and extending from the anode of one of the tubes of the modulating stage to the cathode end of the modulated stage, a similar coupling extending from the anode of the other modulating tube to the anode end of the modulated stage, two rectifying tubes connected by means of capacitative couplings be-



tween the respective anodes of the modulating stage and ground, means for automatically biassing the modulated stage by the cathode current of said stage, and means for feeding to said rectifying tubes a voltage obtained from said automatic biassing means.

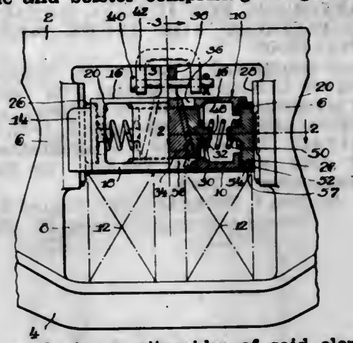
2,569,949
RESISTANCE STRAIN GAUGE POTENTIOMETER BRIDGE CIRCUIT
Rochelle Prescott, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application May 3, 1949, Serial No. 91,082
1 Claim. (Cl. 171—95)



A potentiometer comprising a Wheatstone bridge wherein all the arms consist solely of strain gages, said gages being connected permanently into a closed circuit, means for applying a constant voltage across two opposite points of said circuit, a deformable element, two electrically adjacent gages in series being mounted on opposite sides thereof to vary in resistance to equal and opposite extents, upon deformation of said element, a galvanometer and spaced terminals adapted to receive a source of voltage to be measured in series with the galvanometer across the other two opposite points of the bridge, and calibrated means for stressing the remaining two gages to restore the balance of the bridge.

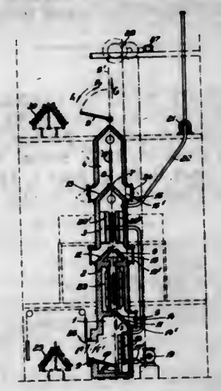
2,569,950
SNUBBED BOLSTER TRUCK
Frank P. Quinn, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application May 22, 1946, Serial No. 671,462
4 Claims. (Cl. 105—197)

4. In a truck, a side frame comprising tension and compression members, a bolster extending between said members and spring-supported from the tension member, a generally vertically arranged element slidably connected to the compression member for relative horizontal movement and extending into the bolster, wedge surfaces at opposite sides of said element converging toward said compression member, means contributing to the support of the bolster from the compression member through said element and for controlling relative movements between the frame and bolster comprising wedge mem-



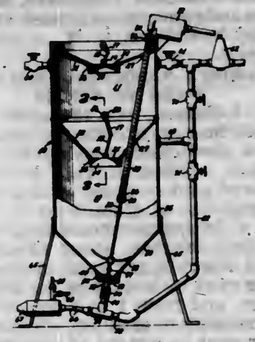
bers disposed at opposite sides of said element in complementary engagement with respective wedge surfaces and a downwardly facing surface of the bolster and resilient means operatively associated with said wedge members and oriented to urge said wedge members in said engagement with said surfaces.

2,569,951
APPARATUS FOR THE MANUFACTURE OF HARDENED GLASS
Leon Rembaux, deceased, late of Brussels, Belgium, by Anna Lucie Robert Rembaux and Germaine Mathilde Valerie Rembaux Thomassin, sole representatives, both of Brussels, Belgium
Application July 24, 1947, Serial No. 763,382
In Belgium September 1, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1961
5 Claims. (Cl. 49—47)



1. In an apparatus for the manufacture of hardening glass plates, in combination, a plurality of compartments placed vertically, one above the other and communicating with each other, an endless carrier moving at least partly vertically, and through the vertically placed compartments, tiltable frames carried by said endless carrier as supporting means for the glass plates, means for submitting the glass plates in each compartment to a different treatment whilst traversing the compartments successively from the one situated at the lowest level to the one situated at the highest level, the lowest compartment being a first preheating compartment and being provided with a lateral opening for the introduction therethrough of a glass plate and for the depositing thereof on one of the frames which has been put in the inclined position, a second high temperature heating compartment, a third tempering compartment and a fourth temperate cooling compartment.

2,569,952
CEMENT GUN APPARATUS
Ian M. Ridley, Burbank, Calif.
Application July 27, 1948, Serial No. 40,922
4 Claims. (Cl. 91—44)



1. In a cement gun apparatus comprising a hopper for dry sand and/or cement, a substantially vertical outlet formed at the bottom of the hopper, metering means rotatable on a substantially vertical axis in alignment with and above said outlet, drive means for rotating said metering means, a source of compressed air, a delivery means for discharging said dry material from a station below said outlet to a point of use by means of said air, said metering means comprising a vertical screw-shaped ribbon, said outlet being formed with a seat thereabove, said ribbon having a bifurcate lower end portion straddling said outlet, the lower ends of the bifurcate portion being slidable rotatively upon said seat, and means for rotating said ribbon.

2,569,953
MATERNITY GARTER BELT
Pauline E. Rosenblatt, Cleveland, Ohio
Application August 3, 1949, Serial No. 108,395
3 Claims. (Cl. 2—396)



1. In a maternity garter belt an elongated strip of elastic, a quadrilaterally-shaped, pliable back-supporting shield having parallel top and bottom edges of different lengths, the top edge being shorter than the bottom edge, and side edges of equal length inclined toward each other to meet the corresponding ends of the top edge, said

strip of elastic secured with its ends to portions of said side edges adjacent to said top edge, short elastic hose supporting members parallelly extended in laterally spaced relation from the central portion of said elongated strip of elastic, and elastic hose supporting members of substantial length extended in diverging relation with respect to each other from diagonally arranged short corner portions of the longer bottom edge of said back-supporting shield.

2,569,954

ADHESIVE FOR BONDING PLASTICIZED POLYVINYL HALIDE-CONTAINING RESIN SURFACES AND METHOD OF BONDING SUCH SURFACES

Clayton F. Ruebensaal, Baltimore, Md., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 27, 1946, Serial No. 679,864
4 Claims. (Cl. 154—140)

3. The method of effecting a bond between a surface of a plasticized polyvinyl halide-containing resin and another surface which comprises coating one of said surfaces with a solution consisting essentially of from 7 to 25 per cent by weight of a tripolymer consisting of about 85 per cent vinyl chloride, about 13 per cent vinyl acetate and about 2 per cent maelic acid, from 12 to 25 per cent by weight of methyl methacrylate polymer, and from 1 to 5 per cent by weight of a polymerization catalyst, dissolved in from 80 to 45 per cent by weight of monomeric methyl methacrylate, said percentages totalling 100 per cent, pressing the two surfaces together with the coating of said solution therebetween, and simultaneously effecting polymerization of the polymerizable portion of said solution by subjecting the assembly to an elevated temperature.

2,569,955

TRANSPARENT PANEL SUPPORT

Norman A. Schassberger, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application December 10, 1945, Serial No. 633,959
2 Claims. (Cl. 296—84)



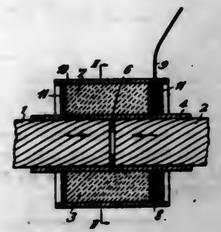
1. In combination, a vehicle body having an opening, said opening being bounded by an inwardly extending flange formed on the body, a windshield panel, a flexible element having a channel for receiving the marginal edge of said panel, the forward wall of said channel being provided by a yieldable lip which overlies the marginal edge of the outer face of the windshield panel, said flexible element being formed with a second channel in which said flange is accommodated, said windshield panel being located in front of said inwardly extending flange, and means at the rear of said windshield panel for holding said flexible element on said flange, said flange and means providing the sole means for restraining fore and aft movement of said flexible element and said lip providing the sole means for holding said panel in said first mentioned channel against forward movement.

2,569,956

CARTOUCHE FOR JOINING METAL BODIES, ESPECIALLY FOR LIGHT METALS, BY WELDING

Adolf Schiltknecht, Neuhausen, Switzerland, assignor to Societe Anonyme pour l'Industrie de l'Aluminium, Chippis, Switzerland

Original application December 8, 1943, Serial No. 513,442. Divided and this application October 2, 1946, Serial No. 700,869. In Switzerland September 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 30, 1962
12 Claims. (Cl. 126—263)



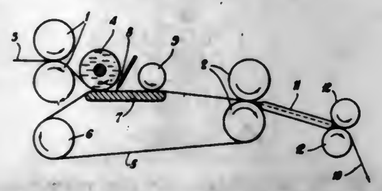
1. A welding cartridge for autogenously welding non-ferrous metal bodies, comprising an inner tubular cover member adapted to closely fit to and surround the metal bodies near the surfaces to be united, an outer tubular cover member surrounding said inner tubular member in spaced relation thereto, an exothermic reaction mass enclosed in the space between said inner and outer tubular members, an igniting mixture also enclosed in the space between said tubular members, and a tearing-off strip partly embedded in the igniting mixture, said tearing-off strip projecting out of said outer tubular member and adapted to be gripped for being torn off to ignite said mixture.

2,569,957

PRODUCTION OF STAPLE FIBERS OF ARTIFICIAL MATERIALS SUCH AS RAYON

Walter Helvetio Schneider, Zurich, Switzerland

Application June 23, 1947, Serial No. 756,488
In Great Britain July 1, 1946
5 Claims. (Cl. 19—1)



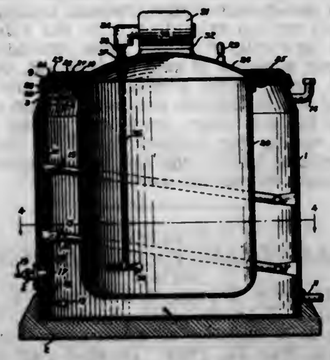
1. Apparatus for converting textile filaments, particularly of rayon, into a strand of staple fibers, comprising in combination with pairs of front and rear drawing rollers and cutting means located between the said rollers, a cushion which has a continuous flexible filament-guiding surface constituted by a thin skin having a fluid filling, arranged to deflect the filaments from a straight course between the rear and front rollers while permitting a reduction of the deflection of individual filaments as their ends are gripped by the front rollers, the cutting means being arranged so that it is engaged by tensioned filaments upon the said reduction of their deflection.

2,569,958

HOME PASTEURIZER WITH REMOVABLE INNER RECEPTACLE AND SEALING MEANS THEREFOR

Steve L. Struve, Levelland, and Nelson O. Welch, Friona, Tex.

Application February 11, 1946, Serial No. 646,806
2 Claims. (Cl. 220—13)



2. A pasteurizer including an inner receptacle and an outer receptacle, a cover for said receptacles, an annular flange about said cover, an inturned flange on the top of the outer receptacle, an out-turned flange on the top of the inner receptacle, registering gasket seats in said flanges, and gaskets operatively associated with the seats, said seats being arranged in concentric pairs in each of said flanges, the inner of said gaskets directly contacting the inner of the seats in the cover flange and inner receptacle flange, and the outer of said gaskets directly contacting the outer of the seats in the flanges of the inner and outer receptacles, the flanges having bayonet fasteners to secure the same in gasket-contacting position.

2,569,959

ACETONE-SOLUBLE UNSATURATED COPOLYMERIZATE OF A DI-2-ALKENYL ITACONATE AND A 2-ALKENYL CHLORIDE

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 21, 1948, Serial No. 28,525
5 Claims. (Cl. 260—78.5)

1. An acetone-soluble, fusible, unsaturated, binary copolymerizate of a monomeric itaconic acid di-ester of a 2-alkenyl alcohol having the formula

$$(R)CH{=}C(R')—CH_2OH$$

where R is selected from the group consisting of hydrogen, chloromethyl, lower alkyl and phenyl and R' is selected from the group consisting of hydrogen, chlorine, chloromethyl, hydroxymethyl and lower alkyl, and a monomeric 2-alkenyl chloride having the formula

$$(R)CH{=}C(R')—CH_2Cl$$

where R and R' are as before, the amount of said 2-alkenyl chloride being equal to from 10 to 100 parts by weight per 100 parts of said itaconic acid di-ester, said copolymerizate being capable of undergoing further polymerization to insoluble, heat-resistant form upon heating in the presence of a peroxidic polymerization catalyst.

2,569,960

ACETONE-SOLUBLE UNSATURATED INTERPOLYMER OF A DI-2-ALKENYL ITACONATE, A STYRENE, AND A 2-ALKENYL CHLORIDE

Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 21, 1948, Serial No. 28,526
6 Claims. (Cl. 260—78.5)

1. An acetone-soluble, fusible, unsaturated ternary interpolymer of monomers consisting solely of a monomeric itaconic acid di-ester of a 2-alkenyl alcohol having the formula

$$(R)CH{=}C(R')—CH_2OH$$

where R is selected from the group consisting of hydrogen, chloromethyl, lower alkyl and phenyl and R' is selected from the group consisting of hydrogen, chlorine, chloromethyl, hydroxymethyl and lower alkyl, a styrene selected from the group consisting of styrene, alpha-methyl styrene and styrenes nuclearly substituted with radicals selected from the group consisting of lower alkyl, lower alkoxy, halogen and lower haloalkyl, and a monomeric 2-alkenyl chloride having the formula

$$(R)CH{=}C(R')—CH_2Cl$$

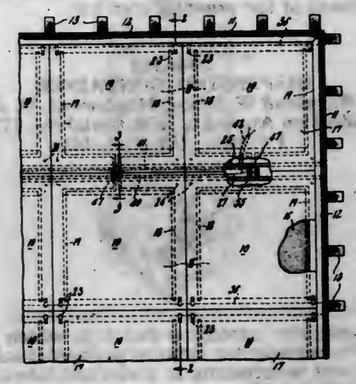
where R and R' are as before, the amount of said styrene being equal to from 0.1 to 6 mols thereof per mol of said itaconic acid di-ester and the amount of said 2-alkenyl chloride being equal to from 0.1 to 10 mols thereof per mol of said itaconic acid di-ester, said interpolymer being capable of undergoing further polymerization to insoluble, heat-resistant form upon heating in the presence of a peroxidic polymerization catalyst.

2,569,961

RADIANT HEATING INSTALLATION

Elbert De F. Tidd, Clinton, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application May 19, 1950, Serial No. 163,037
8 Claims. (Cl. 219—19)



1. A radiant heating installation comprising a grid of metal raceways extending across a sur-

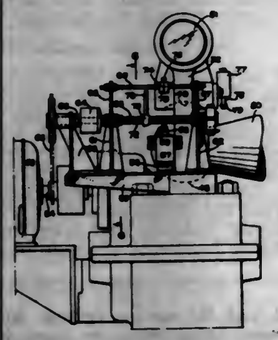
face of a room, rows of electrical heating panels engaging said raceways along their marginal edges and extending laterally from each side of said raceways across the surface of a room, electrical supply wiring within said raceways, and electrical connecting means extending from each of the heating panels into the raceways and connected to said supply wiring.

2,569,962

MACHINE FOR BENDING PLATES

Ernest Lambert Tinley and Frank Cartwright, Wolverhampton, England, assignors to Joshua Bigwood & Son, Limited, Wolverhampton, England, a British company

Application March 30, 1949, Serial No. 84,456
In Great Britain April 21, 1948
9 Claims. (Cl. 153—61)



1. In a three-roll sheet metal bending machine of the kind in which a shaft extension at one end of the top roll is acted upon by a power-operated pressing member to relieve pressure on a bearing and its support at the other end of the top roll, the provision of a driving motor for said pressing member, an electric control device for said driving motor comprising a guideway, a carriage member movable upon said guideway, and means operable to drive the carriage along the guideway, said means being coupled to said driving motor and operating in timed relation thereto, means operable by said carriage member for stopping the driving motor of the pressing member, starting means operable for setting in action the driving means for said carriage member, and means for operating said starting means automatically at a given point in the downward movement of the pressing member.

2,569,963

DISPENSING CONTAINER

Raymond W. Ward, Maplewood, N. J.

Application August 1, 1950, Serial No. 177,007
1 Claim. (Cl. 229—44)



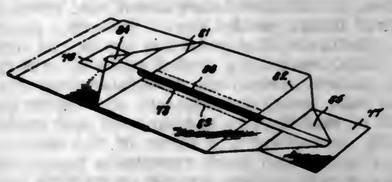
A container having a flat top, which covers all but a rectangular forward portion of said container and terminating in a straight line forward edge, a flat bottom section, flat sides, flat back and front sections, a downwardly directed baffle extending from said forward edge of the top and from one side to the other to partially restrict the cross-section of said container, the forward portion of the sides of the container being made of flexible sheet material capable of being scored, said rectangular forward portion spanning a distance from said baffle to said front section substantially equal to the height of said container, thereby making it possible to slide said front section over the top when the forward portions of the sides are collapsed by pushing the front section upwardly and over the top, a scoring on said bottom section directly beneath and in line with said baffle, facilitating raising of the forward position of the bottom section, a diagonal scoring on each of the forward portions of the sides to facilitate collapse thereof, protrusions on the front section extending from the sides thereof, and upwardly directed flaps extending from the upper portions of said protrusions, the width of said flaps being substantially equal to the width of the collapsible portions on said side sections of the container, said flaps acting as reinforcing means for holding open the collapsible side portions when they are turned down adjacent thereto within the container.

2,569,964

DUPLEX BAG AND PROCESS OF MAKING SAME

Harry F. Waters, New York, N. Y.

Application July 10, 1944, Serial No. 544,185, which is a division of application Serial No. 335,045, May 14, 1940. Divided and this application December 4, 1947, Serial No. 789,747
4 Claims. (Cl. 229—57)



1. A duplex bag of the automatically opening bottom type which comprises in combination an outer tube of non-fusible sheet material, an inner tube of fusible sheet material within said non-fusible tube and forming a liner therefor, said tubes being folded longitudinally along a plurality of lines to form a pair of end panels and a pair of main panels connected to said end panels, a preformed rectangular bottom structure flattened in the plane of said main panels including the lower marginal edges of said outer and inner end panels folded towards each other at least the edges of said inner fusible end panels being in an overlapping position and the resulting tabs being folded above each other, a deposit of a non-fusible material on the inner surface of said inner tube in the region of contact of the overlapping edges of said end panels and of the inner surface of said fusible tube, and a heat-fused seam substantially hermetically sealing said overlapping fusible end panels and said bottom structure whereby said non-fusible deposit will prevent fusion of said seam to the inner surface of said inner tube.
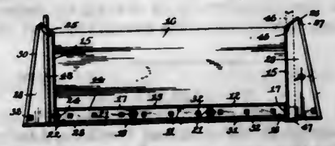
2,569,965

TRUCK BODY

Edward L. Wiedman, Tonawanda, N. Y.

Application February 10, 1947, Serial No. 727,716
3 Claims. (Cl. 296—28)

1. A trailer body having a bottom formed in sections of equal length and extending from end to end of the body, each section being constructed of a sheet of metal having its marginal portions bent downwardly and inwardly to form L-shaped depending flanges, bolts passed through contiguous flanges of said sections to fasten said sections together, sides formed of sheet-metal having their lower portions bent inwardly and thence upwardly to embrace the L-shaped flanges at the outer longitudinal edges of said bottom, securing bolts passed through said sides along their lower ends and through said last-mentioned L-shaped flanges, the upper portion of each of said sides being flared upwardly and outwardly and the marginal upper portions of said flared portions being bent downwardly and inwardly at a right-angle, thence rebent to form L-shaped flanges,



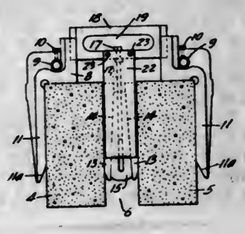
the ends of said sides having brace-webs formed by bending the metal at a right-angle and said brace-webs having their outer edges bent inwardly and thence rebent to form L-shaped flanges, an angle-iron at the rear end of said body having one web thereof lying in contact with the ends of said bottom sections and the other web extending underneath the L-shaped flanges at the rear ends of said bottom sections and underneath the brace-webs at the rear ends of said sides, bolts securing said angle-iron to the L-shaped depending flanges at the rear ends of said bottom sections and to the lower end of said last-mentioned brace-webs, means for closing the forward end of the body, and a gate pivotally connected to said angle-iron for opening or closing the rear end of said body.

2,569,966

JIG AND CARRIER FOR BUILDING BLOCKS

Mike A. Arrigoni, St. Paul, Minn.

Application February 16, 1949, Serial No. 76,754
8 Claims. (Cl. 294—62)



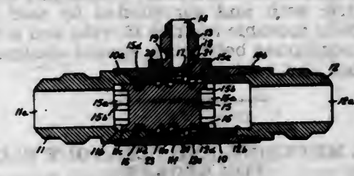
1. A jig and carrier for building blocks comprising, a frame adapted to extend above the upper surfaces of a pair of said blocks with the blocks disposed in horizontally spaced relation one to the other, fixed jaw members depending from said frame for engagement with opposite outer surfaces of the respective blocks so disposed, movable jaw members depending from said frame in the space between blocks for engagement with opposite inner surfaces of the respective blocks and handle means operatively connected to said movable jaw members to grip the blocks between said fixed and movable jaw members.

2,569,967

VALVE

Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware

Original application September 30, 1943, Serial No. 504,409. Divided and this application October 16, 1947, Serial No. 780,259
6 Claims. (Cl. 251—118)



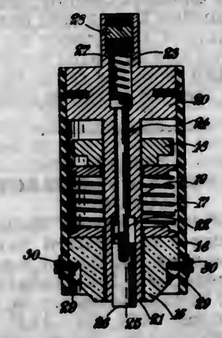
6. A pressure responsive valve comprising a tubular hollow valve housing having inlets at opposite ends, an outlet intermediate its ends, and spaced apart cylindrical wall portions between said inlets and said outlet terminating in annular shoulders defining an enlarged chamber in alignment with said outlet, a valve plug slidably fitting within and overlapping said wall portions in all positions of said plug, fluid passages in opposite ends of said plug to permit fluid to flow from one of said inlets to said outlet through one of said passages when the passage at the opposite end is covered by a cylindrical wall adjacent to the other inlet, a pair of peripheral spaced apart grooves in the mid-portion of said plug, a set of balls for each of said grooves, spring means urging said sets of balls apart, and means in said chamber cooperating with said spring means and with said balls for causing one set of balls to be moved out of their groove and the other set to be moved into their groove, when the plug is moved to a limit position by said spring means.

2,569,968

FLASH CONTROL ELECTRODE

Edward George Autie and Frederick William Johnes, London, England, assignors to Applied High Frequency Limited, London, England, a British company

Application January 5, 1948, Serial No. 496
In Great Britain January 7, 1947
7 Claims. (Cl. 219—47)



7. A spot electrode for use in welding dielectric plastic material by the use of high frequency electric heating comprising a cylindrical electrically-insulating shell, a refractory insulating pressure member concentric with said shell and axially-movable therewithin in relation thereto against the resilient restraint imposed by a heli-

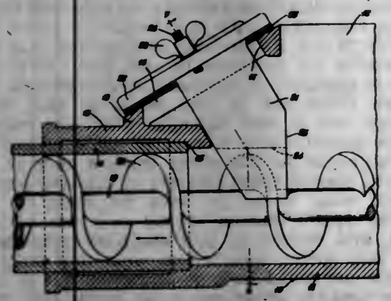
cal spring positioned between the pressure member and an abutment on said shell, an electrically-conducting sleeve rigidly secured to said shell, concentric therewith, and passing through said pressure member with the extremity intended to contact the work approximately coplanar with the extremity of the pressure member intended to contact the work when in its outwardly extreme position, an electrically conducting cylinder concentric with and surrounded by said sleeve and axially movable relative thereto and a helical spring positioned between a second abutment on said shell and said cylinder.

2,569,969

COAL METERING AND CLEANOUT BLOCK FOR STOKERS

Edward G. Baer, Orrville, Ohio, assignor to The Will-Burt Company, Orrville, Ohio, a corporation of Ohio

Application March 18, 1949, Serial No. 82,158
2 Claims. (Cl. 222—317)



1. In a stoker comprising a hopper, a coal tube communicating with one end of the hopper, said one end of the hopper having a top wall downwardly inclined toward the coal tube and having a cleanout opening providing access to the interior of the hopper from the exterior thereof, and a coal feed screw located through the hopper and the coal tube, a coal metering block located through said cleanout opening and having a semi-cylindrical cutout portion in its underside surrounding substantially the upper half of the screw and spaced therefrom, a flanged head upon the upper end of the coal metering block forming a cover for the cleanout opening, and means for adjustably mounting the flanged head upon said inclined top wall of the hopper for closing the cleanout opening and adjusting the coal metering block toward and from the screw for controlling the amount of coal fed to the coal tube from the hopper.

2,569,970

CONTROL SYSTEM FOR ELECTRONIC DECODERS

Christopher Edmund Gervase Bailey, London, England, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application November 3, 1949, Serial No. 125,317
In Great Britain November 26, 1948
9 Claims. (Cl. 178—43.5)

1. In a communication system wherein pulse code modulation signals are transmitted which are representative of the instantaneous amplitude of a message wave and are constituted by code groups of individual elements each having any of a plurality of values, a receiver for said signals provided with a decoder for reconstituting the message wave, said decoder comprising a cathode ray tube having a plurality of separate target electrodes, an electron beam source and means to deflect said beam to impinge on a selected target in accordance with an applied control potential, means responsive to the received



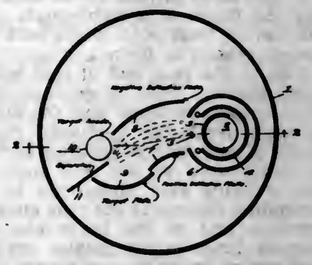
signal to develop a control potential for said deflection means by adding together increments of voltage depending on the respective elements in the code combination, and means to derive from the target electrodes the reconstituted message wave.

2,569,971

BEAM AMPLIFIER TUBE

Norman Z. Ballantyne, Orofino, Idaho

Application June 16, 1949, Serial No. 99,499
6 Claims. (Cl. 313—72)



1. In an electron discharge device of the beam amplifying type, an envelop, a cathode mounted in the envelop, an oxide coating on the cathode, said coating emitting electrons when the cathode is heated, a focusing structure comprising a cylinder surrounding the cathode, said focusing structure having an opening through which emitted electrons can pass, an accelerating structure beyond the focusing structure and having an opening for the passage of electrons, a positive deflection plate and a negative deflection plate beyond the accelerating structure and curved substantially in the same direction, said negative deflection plate having a curvature greater than the curvature of the positive plate, a target plate curved in the direction opposite to the curvature of the negative plate and arranged to receive electrons from the positive and negative plates, a target anode upon which the electrons are focused, and a separator plate between the target plate and target anode and operated at a lower potential than the target plate and target anode.

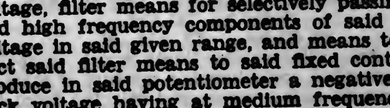
2,569,972

TWO-WIRE TEST CLIP

Archie Carol Benner and Walter Leroy Guest, Chicago, Ill., assignors to American Telephone and Telegraph Company, a corporation of New York

Application October 28, 1947, Serial No. 782,508
2 Claims. (Cl. 173—278)

2. An electrical connection clip comprising a pair of offset members having substantially channel-shaped cross sections, hingedly connected together at one end and having jaws on their opposite ends, a spring between said members, adjacent the hinged connection, for maintaining said jaws yieldingly closed, one of said jaws having a pair of metal cups mounted thereon, one of said cups insulated from said jaw and the other electrically connected thereto, contact members comprising a multiplicity of upstanding needles embedded in said cups and having



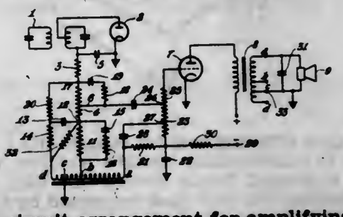
electrical connection thereto, and an insulated separator transversely located on said jaw and positioned between and extending above said contacts, the other jaw having an insulated member thereon which bears against said contact members when the jaws are closed under the influence of the spring.

2,569,973

LOW-FREQUENCY AMPLIFYING ARRANGEMENT

Henricus Adrianus Broos, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application March 26, 1948, Serial No. 17,243
In the Netherlands April 8, 1947
5 Claims. (Cl. 179—171)



1. A circuit arrangement for amplifying signal voltages having frequency values within a given range, comprising amplifying means having input and output terminals, a potentiometer having a bottom terminal, a top terminal, a fixed contact intermediate said top and bottom terminals and a movable contact, means to apply said signal voltages to the said top and bottom terminals of the potentiometer, means to connect said movable contact to said input terminals, means to derive from said output terminals first and second voltages, means to connect to said potentiometer said first voltage in positive feedback relationship and said second voltage in negative feedback relationship to produce in said potentiometer a point of substantially zero feedback voltage, filter means for selectively passing low and high frequency components of said signal voltage in said given range, and means to connect said filter means to said fixed contact to produce in said potentiometer a negative feedback voltage having at medium frequencies of said range a progressively greater amplitude toward said bottom terminal.

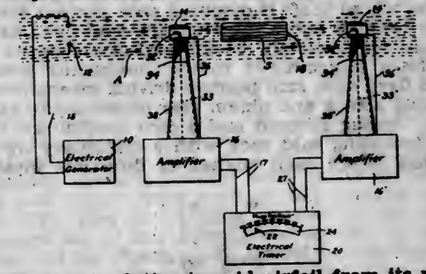
2,569,974

VELOCITY MEASURING DEVICE

Paul J. Campbell, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application April 11, 1944, Serial No. 530,483
13 Claims. (Cl. 73—194)

13. A combined speed, stall and slip indicator for an aircraft comprising, means for intermittently ionizing a relatively small cross-sectional area of the airstream passing over the upper surface of the aircraft airfoil to form a streak of ionized air segments in said airstream, pickup means located so as to be within said streak during normal airflow conditions over said airfoil and spaced from said streak when said airstream



is displaced relative to said airfoil from its normal path by a stall or slip, and a timing apparatus connected to said pickup means and responsive to the passage of said segments past said pickup means.

2,569,975

FIRE EXTINGUISHER

Joseph H. Cone, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 28, 1949, Serial No. 90,180
12 Claims. (Cl. 169—31)



1. In a pressurized liquid fire extinguisher having a container including a wall provided with an opening, the improvement which comprises: said container wall having attached to its exterior a unitary assembly including a readily fracturable sheet-metal sealing plate directly secured to said wall around the opening thereof; a pipe substantially commensurate in area with said opening, attached to said plate and extending into the container through the opening in said wall, said plate sealing the wall and pipe and having an edge crimped back on itself; a housing secured to said plate under the crimped edge thereof and enclosing the major part of the outer surface of the plate; manually operable means carried by the housing, for piercing said plate; and a nozzle carried by said housing for directing liquid which is discharged from the container.

2,569,976

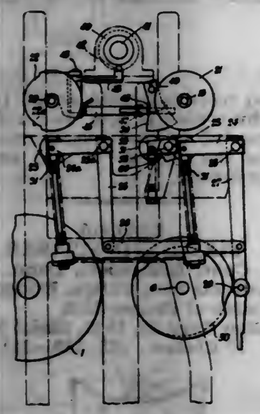
MEANS FOR AUTOMATICALLY AND INTERMITTENTLY FEEDING BLANKS OF CARDBOARD OR SIMILAR SHEET MATERIAL

Flavius Kingsford Daniels, London, England, assignor to Vickers-Armstrongs Limited, London, England, a British company

Application September 20, 1947, Serial No. 775,354
In Great Britain September 26, 1946
10 Claims. (Cl. 271—51)

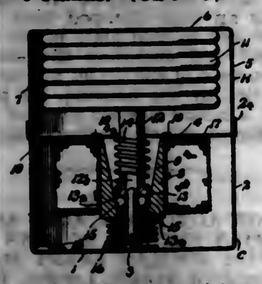
1. In mechanism for automatically and intermittently feeding sheet material, a pair of

rotary feeding elements adapted to receive the work between opposite surfaces thereof, one of the said elements having a fixed axis of rotation and the other of said elements being a pressure roller whose shaft is mounted on a support movable towards and away from the said fixed axis, means for positively driving said first element to perform intermittent rotary movements about said fixed axis, said positive driving means comprising a rack and pinion gear connected to said first feeding element and a cam mechanism for reciprocating said rack with a stationary dwell period before each change of direction, means



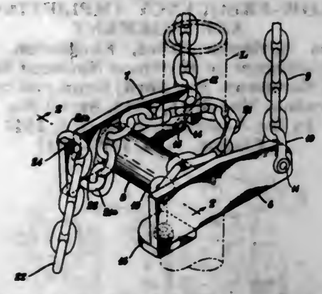
for controlling the motion of said pressure roller to and from its associated feeding element, and a second cam mechanism, operatively connected to the first-mentioned cam mechanism, for actuating said control means in timed relationship with the reciprocation of said rack, so that the pressure roller is caused to apply gripping pressure to the work during a stationary dwell period, to maintain the pressure during the ensuing feed motion of the work, and to remove the pressure in the next succeeding stationary dwell period after the feeding elements have been brought to rest.

2,569,977
RELEASABLE FLOAT
Henry Randel Dickinson, Grand Rapids, Mich., assignor to Grand Rapids Hardware Company, Grand Rapids, Mich., a corporation of Michigan
Application May 31, 1949, Serial No. 96,316
6 Claims. (Cl. 9—9)



1. A device as described comprising, a cup having an open end, a hollow housing having inner and outer sides and walls between the sides extending at its inner side partly into said cup, a pressure responsive gas containing buoyant member located within said housing secured at one end to the outer side thereof, latching means connected to the inner side of the housing and to said pressure responsive member at its opposite side, a cooperating latching member attached to the cup adapted to be detachably gripped by said latching means to hold said cup and housing member together, said pressure responsive member being adapted to be decreased in length between its inner and outer sides by fluid pressure thereon during submergence of said device in liquid, said housing having passage for liquid entrance thereinto, thereby automatically releasing the latching means and freeing said housing from the cup member, whereby said housing and attached pressure responsive member rises to the surface of the liquid.

2,569,978
PIPE GRIPPING TOOL
Lawrence E. Dunlap, Carrollton, Ohio
Application November 8, 1949, Serial No. 126,222
5 Claims. (Cl. 294—92)



1. A pipe gripping tool for suspending a length of pipe in substantially upright position, including an H-shaped frame having side bars spaced for straddling the pipe and connected by a crossbar, a chain having its ends attached to adjacent ends of said side bars for suspending the frame, a pipe gripping chain looped over the crossbar and around a pipe located between said adjacent ends of said side bars and contacting said crossbar, and means on the opposite ends of said side bars for connection with the two ends of said chain loop.

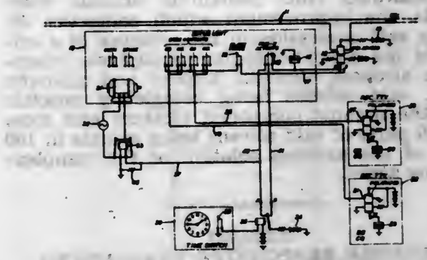
2,569,979
FIRE EXTINGUISHING LIQUIDS AND PROCESS
Charles G. Durfee, Teaneck, N. J., and George E. Ferguson, Spring Valley, N. Y., assignors to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
No Drawing. Application July 16, 1947, Serial No. 761,436
22 Claims. (Cl. 252—8)

1. A fire extinguishing liquid which comprises as its principal constituents a mixture of methylene bromide and a compound selected from the group consisting of bromoform, liquid brominated ethanes and liquid brominated ethylenes, said liquid having a boiling point between about 97° C. and 140° C. and a freezing point below about −30° C.

2,569,980
MOTOR CONTROL FOR SIGNAL RESPONSIVE SELECTOR MECHANISM
Arlo Raleigh Eggensperger, Tenafly, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 15, 1950, Serial No. 168,265
5 Claims. (Cl. 178—4.1)

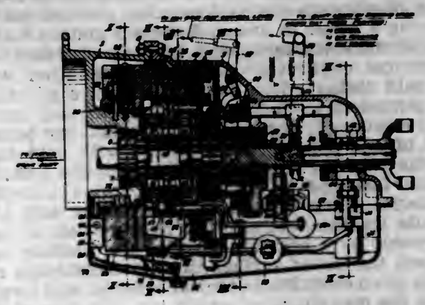
1. In a telegraph switching system, a telegraph transmission channel, a signal responsive selector

mechanism having switching contacts operable in response to message directing codes received over said channel for connecting telegraph stations to receive messages from said channel, deactivating means for precluding operation of said switching contacts in response to message



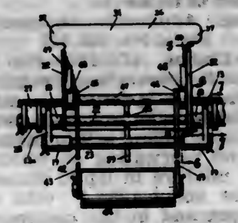
signals, a driving motor for said signal responsive selector mechanism having an energizing circuit, circuit closure means included in said energizing circuit, operating means for said circuit closure means, and supervening means for maintaining said circuit closure means operated contemporaneously with said deactivating means.

2,569,981
AUTOMATIC TRANSMISSION MECHANISM
Joseph William Ellor, East Orange, N. J.
Application May 15, 1948, Serial No. 27,248
7 Claims. (Cl. 74—752)



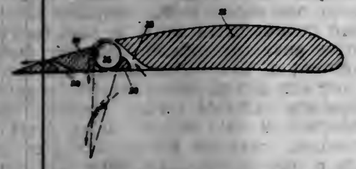
1. An automatic variable speed transmission comprising a drive gear, a first intermediate variable torque transfer gear engageable with said drive gear for rotation by the latter and including a planetay gearing set engageable with an intermediate variable torque transfer equalizer gear, a head provided with a plurality of sets of pinion gears engaging said intermediate variable torque transfer gear for rotation thereby, a plurality of fluid pressure pumps carried by shafts driven by said sets of pinion gears, a plurality of pressure accumulators carried in the periphery of said head and connected to said fluid pressure pumps for accumulating fluid pressure therein upon rotation of said pumps below a definite speed of rotation of said drive gear, centrifugally operated valves for controlling fluid flow to and from said pressure accumulators, a second intermediate variable torque transfer gear including a planetary gearing set engageable with said sets of pinion gears and with said intermediate variable torque transfer equalizer gear and provided with clutch plates, a cooperating set of clutch plates carried by said head adjacent the clutch plates of said second intermediate variable torque transfer gear and operable by a release of pressure in said pressure accumulators in response to operation of said centrifugally operated valves to cause said sets of clutch plates to engage each other and cause rotation of said head, an output drive gear engaging the planetary gear set of said second intermediate variable torque transfer gear for rotating the latter, a forward drive output gear simultaneously rotatable with said output drive gear, an output shaft, and a manually operable selector coupling for connecting said output drive shaft to said forward output drive gear for rotation thereby during disengagement of the clutch plates carried by said head and the clutch plates carried by said second intermediate variable torque transfer gear, and for rotation of said output drive shaft by said intermediate variable torque transfer equalizer gear in a one-to-one ratio with said drive gear upon engagement of said cooperating clutch plates above a definite speed of rotation of said drive gear.

2,569,982
CHOCK MECHANISM FOR VEHICLE LIFTS
George A. Estel, Jr., Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application August 3, 1949, Serial No. 108,319
4 Claims. (Cl. 254—89)



1. In a vehicle lift having a track for supporting a vehicle to be elevated and a pivoted ramp, means pivotally supporting said ramp outwardly from one end of said track for up and down pivotal movement, a chock member pivoted on said supporting means for movement about a transverse axis common to said ramp, for pivotal movement into and out of the plane of said ramp, an arm structure extended longitudinally of said track pivoted intermediate the ends thereof on said supporting means for up and down movement, with the pivot for said arm structure being at a position spaced outwardly and downwardly from said common axis so that the outer end of said arm structure is below said chock member and the inner end of said arm structure is below said one end of the track, a weight at the inner end of said arm structure engageable with a ground surface, a cam follower on the outer end of said arm structure, a cam member on the lower side of said chock member having a locking portion thereon, with said cam follower being engageable with said cam member and movable into said locking portion in response to an upward movement of said cam follower, whereby to pivotally raise said chock member upwardly from said ramp, and co-acting stop means on said arm structure pivot and chock member to define a moved position of said cam follower within said cam locking portion.

2,569,983
AIRCRAFT WING FLAP WITH A LEADING EDGE ROLLER
Alexandre Fevre, Marseille, France, assignor, by mesne assignments, to Office National d'Etudes et de Recherches Aeronautiques (O. N. E. R. A.), Paris, France
Application December 22, 1945, Serial No. 636,614
In France January 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 19, 1963
2 Claims. (Cl. 244—42)



1. An airplane wing equipped with an articulated lift-increasing flap, in combination with a driven rotary roll inserted between the wing and the flap and whose axis coincides with the axis of articulation of the flap to the wing, the surface of said roll projecting slightly above the upper surface of the flap.

2,569,984
EXTRACTIVE CRYSTALLIZATION PROCESS
Lloyd C. Fetterly, Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 27, 1947, Serial No. 782,449
8 Claims. (Cl. 260—666)

1. A process for separating straight-chain hydrocarbons from a hydrocarbon mixture containing straight-chain and non-straight-chain hydrocarbons and boiling within the boiling range of gasoline and lubricating oil which comprises treating said mixture in liquid phase at a temperature below about 100° F. with an aqueous solution of urea and in the presence of methyl isobutyl ketone and forming crystalline molecular complexes of urea and straight-chain hydrocarbons, said ketone being present in a volume at least equal to that of the hydrocarbon mixture.

2,569,985
THIOUREA-KETONE COMPLEXES
Lloyd C. Fetterly, Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 16, 1948, Serial No. 8,743
6 Claims. (Cl. 260—552)

1. As a new composition of matter, a crystalline complex of thiourea with an aliphatic ketone selected from the group consisting of methyl isobutyl ketone, diisopropyl ketone, diethyl ketone, methyl n-propyl ketone and mesityl oxide.

2,569,986
EXTRACTIVE CRYSTALLIZATION PROCESS
Lloyd C. Fetterly, Seattle, Wash., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 12, 1948, Serial No. 14,644
14 Claims. (Cl. 260—676)

12. In a process for the fractionation of a mixture containing straight-chain and branched-chain organic compounds wherein said mixture is contacted with an aqueous solution of an agent of the group consisting of urea and thiourea so as to form crystalline complexes of the group consisting of urea-straight-chain organic compound complexes and thiourea-branched-chain organic compound complexes and said complexes are separated from remaining organic compounds, the improvement which comprises effecting said separation in the presence of a solvent of the group consisting of aliphatic monohydric alcohols, aliphatic ketones and aliphatic esters, said solvent being completely miscible with the organic compound mixture and from 5 to 20 parts of said solvent being soluble in 100 parts of the aqueous solution of the complex-forming agent.

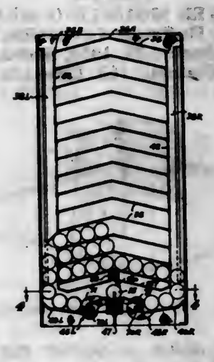
2,569,987
PRESSURE RESPONSIVE TRANSDUCER
Clifford Frondel, Cambridge, Mass., assignor to Cambridge Thermionic Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1948, Serial No. 52,373
6 Claims. (Cl. 177—386)



2. A piezoelectric gauge for measuring pressure transients in an adjacent medium comprising an oil filled housing having an aperture in one end thereof, a diaphragm covering the opposite end of the housing, a flexible connection between said diaphragm and said housing, a metal casing having a recess in one wall thereof and an external surface engaging said housing aperture, an electrical connector positioned in another wall of said casing adjoining said recess, a plurality of piezoelectric elements mounted in said recess and electrically connected in parallel, the terminal of one polarity being linked with said connector and the terminal of the opposite polarity being fastened to said casing, and a wax-like material filling said recess and sealing said elements therein whereby the deformation of said elements by a pressure wave in the medium adjacent the outer surface of said diaphragm results in an electrical potential between said terminals the magnitude of which is a function of the amplitude of said wave.

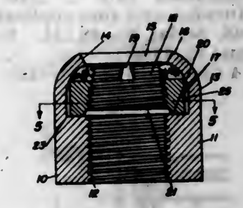
2,569,988
VENDING MACHINE
Carl L. Grau, Streator, Ill.
Application May 7, 1946, Serial No. 667,917
1 Claim. (Cl. 312—46)

In a vending machine, means affording a cabinet, means for storing a plurality of bottles in said cabinet, means including a downwardly extended feed channel for directing bottles from said storage means in a downward direction, means affording a terminal chamber into which bottles are moved in succession from said downwardly extended feed channel, means defining a horizontal delivery station adjacent said terminal chamber and into which a bottle may be moved from said terminal chamber into a horizontal position at said delivery station, a feed chain disposed at said delivery station for moving such a bottle endwise out of said delivery station, means defining a delivery passage into which such a bottle is moved endwise by said chain, into an accessible vended position, means affording an abutment arranged to engage such a bottle and prevent movement thereof into said delivery passage when said bottle is in an improper lateral position, means on said delivery chain for shifting such a bottle laterally when



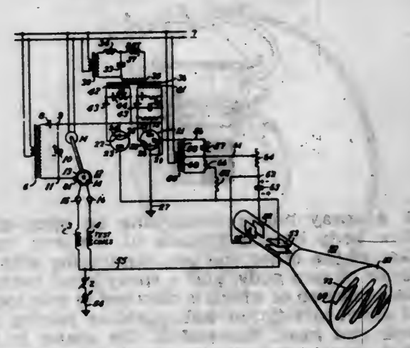
such bottle is moved endwise while the chain remains stationary, and means operated in timed relation to said chain for advancing the leading bottle from said terminal chamber into said delivery station after the preceding bottle has been discharged endwise from said station.

2,569,989
PRESSURE STOP NUT
Hiram R. Harding, Baltimore, Md., assignor of fifty per cent to Harry E. Karr, Baltimore County, Md., and twenty-five per cent to Logan C. Harding, Hopewell, Va.
Application July 10, 1950, Serial No. 172,975
4 Claims. (Cl. 151—19)



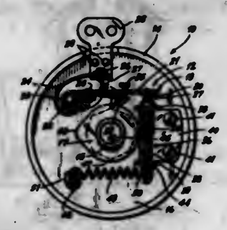
1. In a nut of the class described, the combination of a nut body having an internally threaded axial opening, said nut body having an enlarged chamber at one end of said opening, a solid cylindrical pressure element rotatably in said chamber independently of the nut body and having an internally threaded axial opening aligned with the first mentioned opening, said pressure element having threaded flexible portions depending therefrom, and cooperating wall surfaces between the aforesaid chamber and the flexible portions to enforce gripping of the said portions on the bolt threaded through the aligned openings, said surfaces including an upper abutment in said chamber, said pressure element riding upwardly on the bolt within the chamber when the bolt is threaded therethrough until the element contacts the aforesaid upper abutment, the element then being forced downwardly on the bolt by said abutment upon further threading of the bolt relieving stresses in the bolt while maintaining the grip of the element on the bolt.

2,569,990
SURGE TESTING
Earl F. Harter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1946, Serial No. 708,398
14 Claims. (Cl. 175—183)



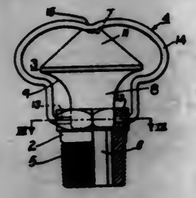
1. An electrical testing-apparatus comprising, in combination, a supply-circuit for test-energy, a test-circuit for connecting the apparatus to an electrical device to be tested, a testing-instrument, an ignitron tube comprising a main anode, an auxiliary anode, a cathode, and an ignitor, an ignitor-circuit comprising means for impulsing the ignitor to fire the tube, connections for including the main anode-cathode circuit of the tube in an energizing circuit for the test-circuit, for connecting the same to the supply-circuit, and control-circuit-means, including, and responsive to the voltage of, said auxiliary anode, for energizing said testing-instrument substantially simultaneously with the energizing circuit for the test-circuit, for testing said device.

2,569,991
IGNITION POINT ASSEMBLY
Sebastian Hofmann, St. Louis, Mo.
Application March 17, 1948, Serial No. 15,439
5 Claims. (Cl. 200—30)



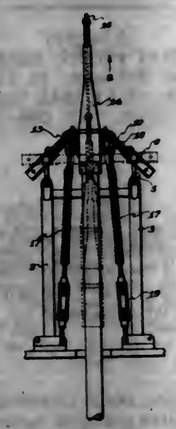
4. In an ignition point assembly, the combination of a shaft-like member mounted for limited rotational movement; a first contact point at one end thereof; a second contact point pivotally mounted for movement into and out of engagement with the first contact point; a rotatably mounted member containing two separate cams on a common axis, one of said cams causing pivotal movement of the shaft-like member in one direction; yieldable means urging pivotal movement thereof in the opposite direction; the other cam causing movement of the second contact away from the first contact; and yieldable means urging the second contact toward the first contact.

2,569,992
SPRAY NOZZLE
John M. Hopwood, Mount Lebanon, Pa., assignor to Hagan Corporation
Application January 15, 1947, Serial No. 722,101
2 Claims. (Cl. 299—121)



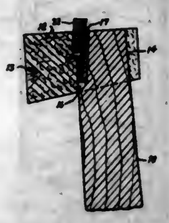
2. A spray nozzle comprising an open-ended hollow body having threads at one end and a socket at the other end communicating with the interior of said body, and a spray head having a shank, one end of which is disposed in said socket, and outwardly flared wall surfaces joining said shank and head, the end of the shank in said socket being substantially circular in transverse section, and the walls of said socket being provided with slots that form with said shank flow passageways when the shank is seated in the socket, said passageways being in communication with the interior of said body and disposed to direct fluid against said flared surfaces, and means for removably securing said spray head to said body, said flared surfaces converting streams of fluid issuing from said flow passageways into sprays.

2,569,993
DEVICE FOR APPLYING RUBBER SLEEVES
Ralph H. Howard, Oklahoma City, Okla.
Application April 17, 1947, Serial No. 742,289
2 Claims. (Cl. 29—236)



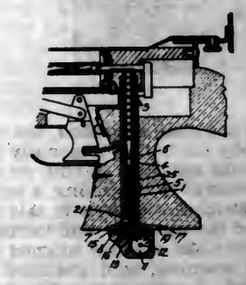
1. A device for applying an expansible protector sleeve to a pipe over a tapered mandrel while the mandrel and pipe are moved axially in either direction comprising a rigid frame having a base with an opening through which the mandrel and pipe move and a plurality of uprights circumferentially arranged around the opening, a rocker arm pivoted intermediate its ends to the upper end of each upright to rock about a horizontal axis, a sleeve engaging member secured to the inner end of each rocker arm, each of said members having upper and lower arcuate edges, V-shaped in cross section adapted to engage an end of a protector sleeve, and yieldable spring means for normally maintaining said rocker arms in a horizontal position and permitting the same to rock above and below said horizontal position.

2,569,994
PICKER MOUNTING MEANS
Coy L. Huffman, Greenville, S. C.
Application August 28, 1950, Serial No. 181,724
5 Claims. (Cl. 139—159)



1. In combination, a picker stick for looms and a picker mounted on the upper end thereof, the front surface of the upper end of the picker stick having a vertically extending groove therein, a concavo-convex sleeve secured in said vertically extending groove with its edges flush with the front portion of said picker stick, said sleeve being internally threaded, and an externally threaded screw adapted to fit within the sleeve so that a portion of said screw will extend beyond the front surface of said picker stick to engage and cut female threads in the proximate surface of the picker as the screw is driven home in the sleeve.

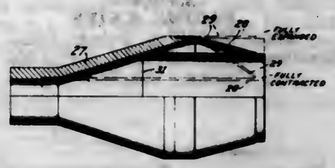
2,569,995
SPRING FED MAGAZINE
Lumír Vojtěch Kapsa, Prague, Czechoslovakia
Original application July 2, 1946, Serial No. 680,993. Divided and this application December 30, 1948, Serial No. 68,121. In Czechoslovakia August 25, 1945
4 Claims. (Cl. 124—53)



1. In an air gun, a gun mechanism, a gun butt, a hollow screw securing the gun butt to the gun mechanism, a tubular pellet magazine inserted within the hollow screw and adapted to feed pellets to the gun mechanism, said hollow screw having a longitudinal guiding groove, said tubular magazine comprising a tube having a longitudinal slot corresponding to the longitudinal guiding groove in said hollow screw, a series of notches extending to one side of said slot, said notches being spaced at a distance equal to the diameter of a pellet, a pellet push member slidably mounted within said tube and spring loaded

to normally feed pellets in the tube to the gun mechanism, said push member having a lateral lug projecting through said slot into said groove, and means for rotating said tube whereby said lug may be locked in one of said notches to prevent feeding movement of said push member.

2,569,996
SELF-ADJUSTING REACTION NOZZLE
Paul Kollsman, New York, N. Y.
Application August 20, 1945, Serial No. 611,631
7 Claims. (Cl. 299—133)



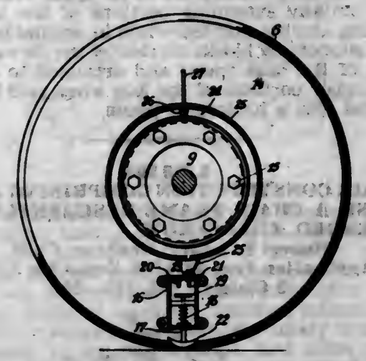
5. An automatically adjustable nozzle for converting gas pressure energy into kinetic energy comprising an expansible tube of substantially cylindrical shape in non-expanded condition; and a constraining outer rigid housing for said tube, the housing having an internal cone-shaped cavity of progressively increasing diameter towards the nozzle exit, the tube being secured to said housing at the entrance portion of the housing, the tube being expansible against the conical wall of the cavity under predominating pressure of a gas flowing through the nozzle.

2,569,997
JET DEVICE FOR DISCHARGING A MIXTURE OF FLUIDS
Paul Kollsman, New York, N. Y.
Application January 4, 1946, Serial No. 638,951
5 Claims. (Cl. 60—40)



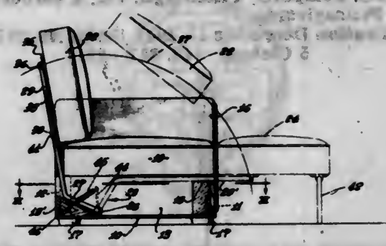
3. A reaction turbine comprising, in combination, a rotor providing a substantially radial passage for fluid therethrough; a reaction nozzle at the end of said passage and narrower than said passage for discharging fluid from said rotor in a direction to spin the rotor by reaction; means for admitting non-compressible fluid into said rotor passage at a point closer to the rotor axis than said nozzle; a second nozzle for discharging fluid into said passage at a point immediately before the entrance of said reaction nozzle and substantially in the direction of said reaction nozzle; means for supplying compressible fluid under pressure to said second nozzle; and means for discharging spent compressible pressure fluid from said casing, the pressure built up in said passage by centrifugal force being effective to control the discharge of compressible fluid from said second nozzle.

2,569,998
SAFETY AUTOMOBILE WHEEL SWITCH DEVICE
Max H. Levy and Raymond A. Donovan, Brooklyn, N. Y.
Application January 26, 1949, Serial No. 72,778
1 Claim. (Cl. 200—58)



A device of the character described including, in combination, a rotatable support having a predetermined limited movement in its plane of rotation, a circular disk mounted upon said support to rotate and move therewith, a circular conducting grooved member, means for securing said grooved member to the said disk in non-conduction relation thereto, a roller in said grooved member, flexible means supporting said roller in said grooved member, a normally open switch mounted upon the said disk and connected to said grooved member, a plunger in said switch to close the same, a spring for normally maintaining said plunger in non-closing position and means on the plunger to automatically move the same into switch closing position to close said circuit when said rotatable support moves vertically beyond the said predetermined limited range of vertical movement thereof.

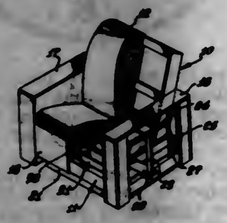
2,569,999
SOFA-BED CONSTRUCTION
Hubert Elza Lowry, Gardena, Calif.
Application May 22, 1948, Serial No. 28,679
3 Claims. (Cl. 5—45)



3. In a combination sofa and bed, including a base frame having transverse rails and a seat normally supported by said base frame, the provision of: a U-shaped member having a horizontal section journalled in the transverse rails of the bed frame and a normally vertical upwardly extending leg at each end of the horizontal section, each leg including an upper portion and a short lower portion at an obtuse angle to the upper portion and a horizontally extending pivot portion directed toward the opposite leg; an upright side arm connected to each end of the base

frame; blocks carried by the rear of the base frame, said blocks including an inclined face arranged to contact and support the short lower leg portions with the upper leg portions extending rearwardly at an angle to the vertical, said blocks spacing the base frame from the side arms; a back pivotally connected at its upper rear to the horizontally extending portions of the legs and resting against said legs when in normal position; and supporting blocks carried by the forward portion of the base frame and arranged to support the upper portions of the legs when said legs are moved into a horizontal plane.

2,570,000
CHAIR CONSTRUCTION COMPRISING A BASE AND A CHAIR FRAME RESILIENTLY SUSPENDED THEREFROM
Hubert E. Lowry, Gardena, Calif.
Application June 12, 1948, Serial No. 32,600
3 Claims. (Cl. 155—50)



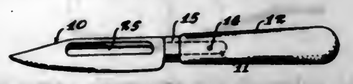
1. The combination with a chair frame comprising: a pair of hollow arm panels, a seat frame and a back frame connecting said arm panels; of a fixed base including a pair of upstanding supports, one of said supports extending into each of said hollow arm panels to above the plane of the seat frame; and spring means carried by each of the supports and connected to the chair frame for yieldably suspending the chair frame, including said arm panels, seat frame and back frame, from said supports.

2,570,001
POLE CLIMBER
Walter D. McCammond, Flushing, N. Y., assignor, by mesne assignments, to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1947, Serial No. 791,525
5 Claims. (Cl. 227—27)



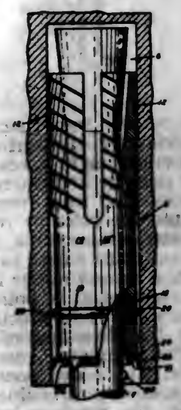
1. A pole climber comprising a leg iron having a shank and a foot-supporting portion, the lower end of the shank having a vertical slot therethrough, a removable spur having a body engaging the outside of the shank around the slot and having a vertical rib projecting into the slot, the upper end of the rib and the adjoining portion of the shank being provided with an interengaging vertical tongue and notch to hold the upper end of the spur in place, the lower end of said rib and the side walls of the slot being provided with aligned holes, and a removable pin extending through said holes.

2,570,002
PARING KNIFE
Ward McMillen, Toledo, Ohio
Application August 30, 1945, Serial No. 613,678
2 Claims. (Cl. 30—279)



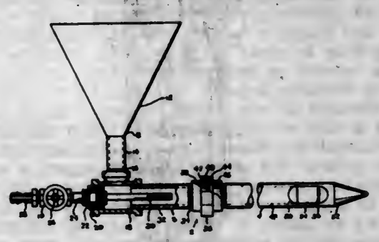
1. A paring and slicing knife comprising a substantially flat metal knife body having a lower cutting edge for slicing, a handle set in line with said body and rigidly connected thereto, said body having substantially parallel side surfaces and having a closed elongated slot formed therein, said closed slot being of uniform width throughout its length, the upper edge wall of said slot being shaped to form a cutting edge for paring purposes, the rear wall of the section of the body disposed between said slot and the upper edge of the knife body being relieved to form an angularly disposed wall adjacent said slot, the front and rear walls of said section of the body adjacent the slot lying in converging planes angularly disposed with respect to the side surfaces of the knife body.

2,570,003
EXPANSIBLE SLEEVE ANCHORING DEVICE
John P. Palmer, Meadville, Pa., assignor to The Palmer Wellock Tool Corporation, Meadville, Pa., a corporation of Pennsylvania
Application April 6, 1950, Serial No. 154,297
3 Claims. (Cl. 85—2.4)



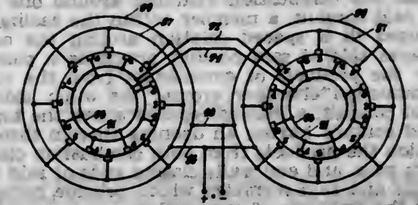
1. In an expansible sleeve anchor device adapted to be inserted into a bore hole, a plurality of substantially identical sleeve parts arcuate in cross-section and adapted to form a longitudinally separable sleeve for juxtaposition around an expanding member, each of said sleeve parts having a roughened exterior portion extending longitudinally along a part of its length adjacent one end thereof, whereby to engage one end of said sleeve parts with the side walls of a bore hole when said sleeve is expanded therein, said sleeve parts being reduced in diameter at the other end thereof and a ring secured on the reduced portions of said sleeve parts, said ring being formed of spring metal and having outer peripheral projections lying exteriorly of said sleeve when the latter is not expanded, whereby upon insertion of said sleeve in a bore hole, to engage the side walls of said bore hole and hold said sleeve temporarily in place until the latter is expanded, said ring resiliently engaging and constricting the sleeve parts whereby resiliently to hold the latter together at said other end.

2,570,004
SPRAY GUN FOR PROJECTING POWDERED MATERIALS
Rufus S. Penny, Richmond, Va.
Application December 16, 1949, Serial No. 133,281
2 Claims. (Cl. 91—44)



1. A spray injector for feeding powdery materials into the fuel bed of furnaces comprising in combination, an elongate hollow open-ended tubular casing having front and rear ends, an input tube on the rear end of said casing adapted for connection to a source of compressed fluid, said casing having an opening through the side wall thereof located adjacent said rear end, a hopper having an opening in the bottom thereof, a hollow coupling member supporting said hopper on said casing and connecting the opening in the bottom of the hopper with the opening in the side wall of said casing whereby, when said casing is held substantially horizontally with said hopper upright, gravity assists material in said hopper to feed downwardly into said casing, a relatively small open-ended hollow tube coaxially disposed in said casing with its rear end fitting in said input tube and in fluid-tight connection therewith, a hollow spike tube extending forwardly from said casing, said spike tube having a solid spike point on its front end and a relatively large elongate outlet opening in one side only thereof extending rearwardly from said joint, and a rotatable, substantially air-tight fitting joining the rear end of said spike tube and the front end of said casing whereby said spike tube may be rotated to inject material from said hopper in various directions while said hopper is maintained substantially upright, said relatively small tube extending across the location of the opening in the side wall of said casing and for a substantial distance forwardly therefrom whereby to deter blow-back into said hopper when said outlet opening is blocked.

2,570,005
DIRECT-CURRENT DYNAMOELECTRIC MACHINES IN PARALLEL
Joseph Maximus Pestarini, Staten Island, N. Y.
Application October 7, 1946, Serial No. 701,794
21 Claims. (Cl. 322—92)



1. In a multicycle direct current dynamo electric machine having an armature and a commutator and a plurality of pairs of primary commutating brushes respectively connected by ring connectors, the combination therewith of a plurality of pairs of auxiliary brushes interplaced respectively between the pairs of primary brushes in relation to the commutator, and cross conductors connecting each brush of one pair of auxiliary brushes to the homologous brushes only in the other pairs of auxiliary brushes.

2. In a system for operation of a plurality of direct current dynamo electric machines connected in parallel, said machines each having an armature and a commutator and at least one pair of primary commutating brushes for connection to an external circuit, each machine having at least one pair of auxiliary brushes and interplaced between the primary brushes about the commutators of said machine, and cross conductors connecting an auxiliary brush of each machine with the homologous auxiliary brushes on the other machines.

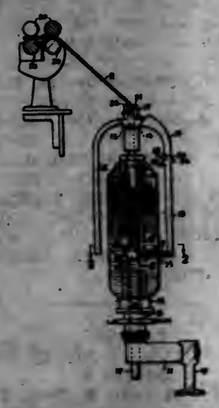
2,570,006
GAS-FIRED FORCED AIR FLOW UNIT HEATER
Robert D. Reed and John S. Zink, Tulsa, Okla.; said Reed assignor to said Zink
Application November 22, 1948, Serial No. 61,502
4 Claims. (Cl. 126—110)



4. In a space heater, an elongated horizontally disposed casing, an elongated burner arranged lengthwise of the casing along a lower portion thereof, spaced vertically disposed members forming side walls extending above the burner, a hollow open-ended conduit arranged parallel to the burner within the casing with a hollow leg depending between said side walls, a lower edge of said leg terminating immediately above the burner providing two distinct combustion chambers, said burner having a series of ports along one side for discharging fuel laterally of the burner for rising into one combustion chamber,

said burner having another series of ports along an opposite side for discharging fuel laterally for rising into the other combustion chamber, a member within the casing arranged in a spaced relation around a lateral side of said conduit providing a passage for the products of combustion from one combustion chamber around one side of said conduit, a member within the casing arranged in a spaced relation around the other lateral side of said conduit providing a passage for the products of combustion from the other combustion chamber around the other side of said conduit, a member spaced above the top of said conduit having an opening therein through which the products from both combustion chambers pass, and end walls closing ends of said side walls and said members which provide passages for the products of combustion.

2,570,007
PRESSER FOOT
William G. Reynolds, St. Petersburg, Fla.
Application July 21, 1949, Serial No. 106,085
10 Claims. (Cl. 57—117)



1. A presser foot for fly frames employed in processing rovings and having a pair of parallel paddles disposed in spaced relation to each other and each paddle having a hole therethrough through which the roving is adapted to be passed, each of the holes being provided with a threading slot extending to an edge of its paddle for placing the roving into the holes, the threading slots for the two holes having their outer open ends facing in an opposite direction to each other.

2,570,008
POLAR CO-ORDINATE CATHODE-RAY TUBE
Robert E. Rutherford, Nutley, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Clifton, N. J., a corporation of Delaware
Application July 27, 1950, Serial No. 176,121
8 Claims. (Cl. 313—78)



1. An electrostatically deflected polar coordinate cathode ray tube comprising an evacuated vessel containing a light translating screen and an electron gun comprising a plurality of electron beam forming electrodes, a plurality of pairs of deflection plates, one of said pairs being supported by and adjacent the end of said electron gun nearer said screen, another of said pairs being supported by said gun between said screen and the former of said pairs of deflection plates, a pair of conical deflection electrodes supported by supporting means crossing the area traversed by the electron beam from said electron gun between the latter of said pairs of deflection plates and said screen, and corrector means parallel and adjacent to said supporting means to exert a force on said beam equal and opposite to the force exerted thereon by said supporting means.

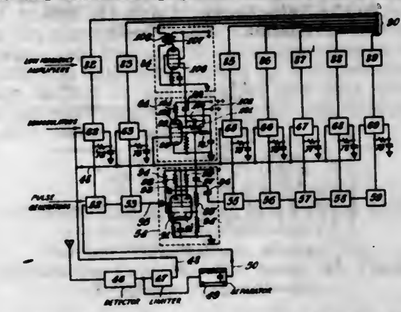
2,570,009
THROTTLE VALVE FOR FLUID ACTUATED ROTARY TOOLS
Paul E. Schmid, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application June 19, 1948, Serial No. 34,011
6 Claims. (Cl. 121—34)



1. In a tool of the character described, a cylindrical housing comprising a main and a rear portion capable of relative rotation, a fluid actuated motor within said main portion, an end wall for said main portion having a stem extending therefrom into said rear portion, a valve seat on said end wall and a valve seat on said stem, a motive fluid connection on said stem, motive fluid conveying ports leading from said end wall seat to said motor and from said stem seat to said connection, a rotatable valve in fluid tight engagement with said seats, means in said valve responsive to its rotation affording or preventing communication of the ports leading from said seats, and a driving connection between said valve and rear portion whereby rotation of the latter is transmitted to the former.

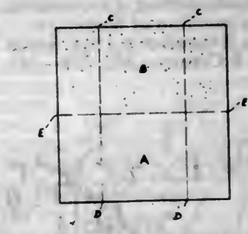
2,570,010
MULTIPLEX TRANSCEIVING ARRANGEMENT
Cornelis Johannes Henricus Antonius Staal, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 18, 1948, Serial No. 9,167
In the Netherlands March 5, 1947
3 Claims. (Cl. 179—15)

1. In a communication multiplex system, transmitting apparatus comprising a plurality of pulse modulators each arranged to mix an intelligence signal with a saw-tooth voltage to produce a pulse having a characteristic depending on the instantaneous amplitude of said signal, a like plurality of transmission channels each coupled to feed said intelligence signal into a respective modulator, said channels being rendered sequentially operative at a predetermined periodic rate by rectangular gating pulses, means for generating said gating pulses including a like plurality of pulse generators each producing a rectangular pulse in response to an applied triggering voltage, said generators being connected in cascade relation whereby the actuation of the first generator in said cascade sequentially actuates the succeeding generators, means to apply



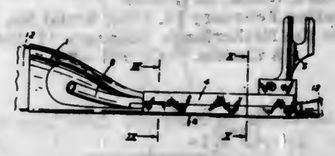
a triggering voltage to the first generator in said cascade with a periodicity corresponding to said predetermined rate and means to apply the rectangular pulse developed by each of said generators to a respective channel to render same operative, an integrating network coupled to the output of each of said generators to convert the rectangular pulse produced therein into a saw-tooth voltage, means to apply said saw-tooth voltage to a respective modulator for mixing with the intelligence signal applied thereto, and a common output line connected to the outputs of said modulators whereby a train of pulses is formed during each sequential operation of the system.

2,570,011
DIAPER
Paul Stamberger, Stamford, Conn.
Application May 5, 1947, Serial No. 745,952
4 Claims. (Cl. 128—287)



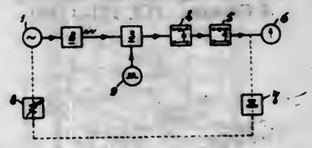
1. An infant's diaper adapted to be folded upon itself to form a multi-ply formation, said diaper comprising a single-ply sheet of soft, porous, water-absorbing material dimensioned to permit folding to produce a multi-ply formation, said sheet having a predetermined portion of its length treated to render said portion water-repellant with the remaining portion unaffected by the treatment, said treatment being ineffective to materially vary the softness and porosity of the material of the treated portion, said treated portion being so located that when the diaper is folded for service the water-repellant portion overlies and forms a cover for the absorbent portion.

2,570,012
ROULEAU TURNER
Mervyn Temple, London, England
Application April 15, 1947, Serial No. 741,583
In Great Britain May 16, 1946
2 Claims. (Cl. 112—63)



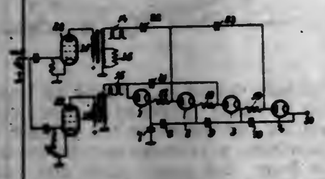
1. A rouleau device comprising an upper plate, a bracket pivotally attached to the upper plate for attaching the device to the presser bar of a sewing machine, a pressure bar depending longitudinally from said upper plate and adapted to coact with the the feed dog of the sewing machine, a longitudinal channel formed in said pressure bar, a lower plate secured to said upper plate laterally of the pressure bar, an inturning tube secured to the lower plate and disposed in said longitudinal channel, a folder scroll secured to said lower plate for partially folding a strip of material fed thereto around said inturning tube, said folder scroll being of tapered channel form with its narrow end disposed around said inturning tube, means for spacing said tube from the inner surface of the folder scroll for the passage of the strip of material between the parts, cooperating inclined surfaces on the lower plate and the pressure bar for bringing together the edges of the strip of material, the said pressure bar being provided with a needle hole situated intermediate the ends of the pressure bar forming a passage for the sewing machine needle, and means for the passage of a hook serving to thread the strip of material through the folder scroll and into the device and, after the edges of the strip have been stitched together, back again through the inturning tube to produce a tubular strip having the stitching on the inside.

2,570,013
FREQUENCY DISCRIMINATOR
Bonifacius Johannes van Hardenberg, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application June 17, 1949, Serial No. 99,752
In the Netherlands July 16, 1948
7 Claims. (Cl. 250—36)



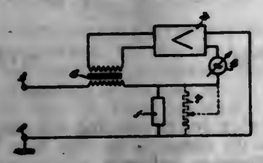
1. Apparatus for producing an output voltage whose polarity depends on the sign of the frequency difference between a saw tooth voltage and a component in the harmonic spectrum of a periodic pulsatory voltage comprising means to combine said saw tooth voltage and said pulsatory voltage to produce a saw tooth wave whose frequency corresponds to the difference in frequency between said saw tooth voltage and said component, a differentiating network, and means to apply said saw tooth wave to said network to produce said output voltage.

2,570,014
CIRCUIT ARRANGEMENT FOR PRODUCING HIGH-DIRECT VOLTAGES
Bernardus Willem van Ingen Schenau and Gerrit Jan Lubben, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 15, 1950, Serial No. 144,366
In the Netherlands February 17, 1949
8 Claims. (Cl. 171—97)



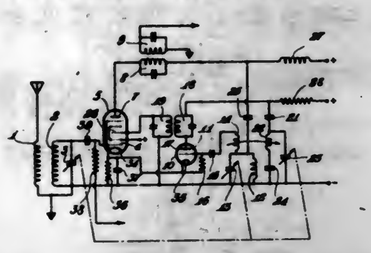
3. Apparatus for producing a high direct voltage comprising a voltage multiplier network having a plurality of rectifiers serially connected in the same sense, each rectifier having first and second elements therefor, a like plurality of impedances conductive to direct current, each impedance being interposed between successive rectifiers, a first group of capacitors coupled to the first elements of said rectifiers in a circuit in which at least one terminal of a succeeding capacitor in the group exhibits a potential difference relative to ground which exceeds the potential difference between either of the electrodes of the preceding capacitor and ground and a second group of capacitors coupling the second elements of said rectifiers to ground, a source of unregulated pulses having a predetermined polarity, a source of regulated pulses of like polarity, and means to supply said regulated and unregulated pulses to said first group of capacitors as an input to said multiplier network to produce a direct output voltage which is the summation of a whole multiple of the rectified regulated pulses and a whole multiple of the rectified unregulated pulses.

2,570,015
CONTROL DEVICE
Carel Jan van Loon and Willem Beukema, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,150
In the Netherlands May 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1963
5 Claims. (Cl. 171—119)



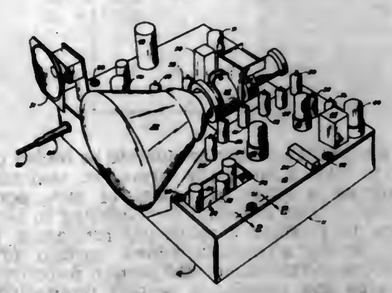
1. Apparatus for controlling the feed voltage of a load connected to a mains source of power, comprising means to generate a reference voltage, means to produce a second voltage proportional to the voltage across said load, means to add said reference voltage and said second voltage in phase opposition to produce a difference voltage, means coupled to said adding means to generate electrical power proportional to the value of said difference voltage, and means to couple the said generated power to the mains power applied to said load to diminish said difference voltage.

2,570,016
SUPERHETERODYNE RECEIVING CIRCUIT ARRANGEMENT
Carel Jan van Loon, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application March 16, 1948, Serial No. 15,194
In the Netherlands March 29, 1947
3 Claims. (Cl. 250—20)



1. A superheterodyne receiving circuit arrangement comprising an electron discharge tube having in the order named a cathode, first and second control grids and an anode, means to apply a signal voltage of given frequency to said first control grid, means to derive from said anode an amplified voltage of said given frequency, means coupled to said anode to produce a beating frequency wave and to combine said beating frequency wave with the said amplified signal voltage to produce an intermediate frequency wave, means to apply said intermediate frequency wave to the second control grid, and means coupled to said anode to derive therefrom an amplified intermediate frequency wave.

2,570,017
TELEVISION RECEIVER CHASSIS CONSTRUCTION
Frank L. Wedig, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application November 2, 1949, Serial No. 125,071
2 Claims. (Cl. 250—16)



1. A chassis construction for a television receiver, of the type which includes radio frequency selector, frequency-changing, and amplifier circuits, which receiver is energized from two-conductor mains, one of which may be at the potential level of the operator, and which receiver includes contrast and other control units having metallic control shafts, comprising: a metallic box-like tray, formed with an open top and individual apertures, for providing a mechanical support for the manually operated shafts and outwardly projecting metal parts of said control units, said shafts projecting through said apertures, a metallic top plate which substantially closes said tray and provides a support for said circuits, means for mounting said circuits, and means comprising a plurality of insulating spacers securing said top plate to and electrically insulating it from said tray for the purpose of preventing the connection of one of said mains or an equivalent potential point to said top plate from creating a potential difference between said tray and the operator, whereby said shafts and said metal parts do not present any shock hazard to the operator and may directly contact said tray, and means for connecting one of said mains to said top plate.

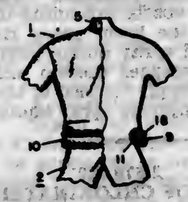
2,570,018
COMBINATION VENETIAN BLIND AND AWNING
James C. Williamson, Albany, Ga.
Application June 28, 1950, Serial No. 170,824
3 Claims. (Cl. 160—62)



1. A combination Venetian blind and awning comprising a Venetian blind unit pivotally connected to a window frame at its upper end, said unit being swingable in a vertical plane toward and away from said frame, a pair of arms pivotally connected at their outer ends to the lower end of said Venetian blind unit, said Venetian blind unit being contractable in overall length whereby said arms are drawn upwardly, and pivot brackets receiving the inner ends of said arms, the inner ends of said arms being removable from said brackets responsive to upward pull exerted upon the arms by the Venetian blind unit.

2,570,019
PROTECTIVE GARMENT FOR DIVERS
Eugenio Wolk, Venice, Italy, assignor to Pirelli Società Per Azioni, Milan, Italy
Application February 17, 1948, Serial No. 8,904
In Italy, January 17, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1966
7 Claims. (Cl. 2—2.1)

1. A two-piece protective garment for underwater diving comprising a separate coat and pants with shoes integrally attached, both coat and pants made of elastic and waterproof material adapted to closely embrace the diver's body, said coat having integrally attached annular collar and cuffs of relatively thinner and more elastic material, also adapted to closely embrace the diver's neck and wrists and to increase such

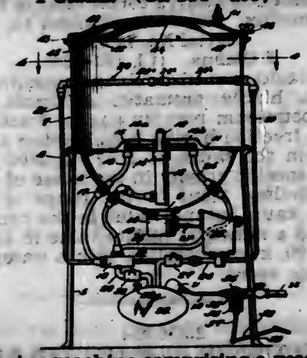


embracement with increase of external water pressure.

2,570,020
LOW-EXPANSION LEAD-BOROSILICATE GLASS OF HIGH CHEMICAL DURABILITY
William H. Armistead, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application July 13, 1949, Serial No. 104,602
4 Claims. (Cl. 106—53)

1. A glass which comprises essentially 68% to 76% SiO_2, 10% to 19% B_2O_3, 2% to 12% PbO, at least two alkali metal oxides including Li_2O and K_2O in the indicated proportions, selected from the group consisting of 0.1% to 1% Li_2O, 1% to 5% K_2O and up to 3% Na_2O, and 0.5% to 3% Al_2O_3, the sum of which is at least 94% of the total composition, the total percentage of the alkali metal oxides being between 3% and 6%, the total percentage of B_2O_3 and PbO being between 15% and 26%, the expansion coefficient of the glass being from 32×10^{-7} to 40×10^{-7} cm. per cm. per °C. between 0° and 300° C., the softening point being less than 770° C., the difference between the softening point and the strain point being less than 300° C., and the solubility of the glass upon immersion in 5% aqueous HCl at 100° C. for 24 hours after heating for six hours at 510° C. being less than 0.15 mg. per sq. cm.

2,570,021
PARTS CLEANING MACHINE
Harold W. Beach, Abilene, Kans.
Application March 6, 1948, Serial No. 581,200
1 Claim. (Cl. 134—199)



A cleaning machine comprising a vessel, a horizontally disposed article supporting grid supported within the vessel intermediate the upper and lower ends thereof, a lower horizontally disposed spray ring supported within the vessel immediately below the supporting grid, said spray ring having upwardly directed spray passages therein, an upper horizontally disposed spray ring supported within the vessel in spaced relation to the supporting grid, said upper spray ring

being concentric about the lower spray ring and having downwardly directed spray passages therein, a spray nozzle extending upwardly and axially through the lower spray ring and supporting grid, said spray nozzle having upwardly directed spray passages therein and a common source of liquid supply coupled to the spray rings and nozzle for supplying spray liquid thereto.

2,570,022

PRODUCTION OF CHLORINATED METHYL NAPHTHALENES

Herbert Stanislaus Boyd-Barrett, Sale, James Ronald Holker, Menton, and Herbert Steiner, Eccles, England, assignors to Petrocarbon Limited, London, England

No Drawing. Application February 24, 1948, Serial No. 10,566. In Great Britain February 24, 1947

5 Claims. (Cl. 260—651)

1. A process for the production of side-chain chlorinated mono-methyl naphthalenes by the vapor phase chlorination of methyl naphthalene, which comprises continuously preheating chlorine and vaporized methyl naphthalene separately and to a temperature between the vaporization point of methyl naphthalene at the pressure employed and 500° C., continuously bringing the two vapors into contact with each other at the above temperature under a pressure of between 1 to 2 atmospheres absolute for a period not to exceed 5 seconds, and continuously regulating the relative amounts of the two gases so that the amount of chlorine vapor in contact with the methyl naphthalene vapor is always less than the stoichiometric amount required for complete mono-substitution by chlorine of all the methyl naphthalene present, and continuously separating the formed chloromethyl naphthalenes from the unreacted methyl naphthalene by fractional distillation.

2,570,023

PARASITICIDAL STEAM-CRACKED OIL EMULSION CONCENTRATE

Carl S. Carlson, Elizabeth, and Miller W. Swaney, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 13, 1948, Serial No. 14,825

2 Claims. (Cl. 167—28)

1. A parasiticidal oil emulsion concentrate comprising a highly aromatic, synthetic, steam-cracked petroleum paraffin gas oil fraction, said synthetic fraction having been cracked at a temperature in the range of 1100° to 1500° F., and having a specific gravity in the range of 1.00 and 1.125, a boiling point in the range of 625° to 775° F., a kauri butanol value in the range of 80 to 104 and a dimethyl sulfate value in the range of 14 to 100, in combination with a water soluble emulsifying agent.

2,570,024

PRODUCTION OF SUBSTITUTED BARBITURIC ACIDS AND INTERMEDIATES THEREFOR

Paul Charpentier, Choisy-le-Roi, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate

No Drawing. Application November 17, 1949, Serial No. 128,068. In France December 20, 1948

4 Claims. (Cl. 260—257)

4. Process for the production of 5-meta-bromophenyl-5-ethyl barbituric acid which comprises treating meta-bromobenzyl chloride with potassium cyanide, subjecting the meta-bromobenzyl cyanide thus obtained to saponification and esterification, condensing the ethyl meta-bromophenyl acetate thus obtained with ethyl oxalate, decomposing the product to eliminate the elements of carbon monoxide and treating the product thus obtained with an ethyl halide, and thereafter reacting the product obtained with urea.

2,570,025

FINGERNAIL CLIPPER

George P. Davis, Durham, N. C.

Application December 6, 1948, Serial No. 63,829

1 Claim. (Cl. 30—28)



A nail clipper comprising an open bottomed channel shaped member having a clipper blade extending therefrom, a second member including an oppositely disposed clipper blade pivotally connected between the sides of said channel shaped member at a point adjacent said first mentioned clipper blade; a connecting plate between the sides of said first mentioned member at the end thereof opposite the blade, a leaf spring secured to the underside of said plate extending upwardly between the sides of said channel shaped member and having one end projecting beyond said plate, a right angled shoulder on the under side of said second member adapted to abut the other end of said spring, an extending plate of a length substantially equal to said channel shaped member having apertured lugs with rounded extremities on one end thereof, a pivot pin extending through the apertures in said lugs and the ends of the side walls of said channel shaped member outwardly of said first mentioned member pivotally connecting said last mentioned plate thereto, said end of said spring when said last mentioned plate overlies said channel shaped member abutting said pivot pin, whereby the bias of said end of said spring resists pivotal movement of said last mentioned plate, said last mentioned plate being adapted to overlie said second member to hold the same in said channel-shaped member in the space provided by said shoulder and, hence, said jaws in closed position.

2,570,026

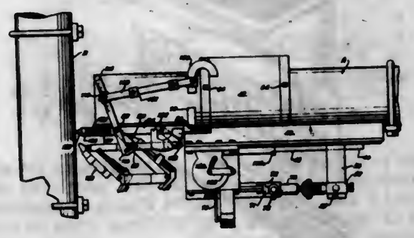
MACHINE FOR CUTTING CONTOURS IN PIPE SECTIONS FOR JOINING MAIN AND BRANCH PIPES AT A DESIRED ANGLE

Thomas W. Delaney, St. Paul, Minn.

Application April 20, 1949, Serial No. 88,572

15 Claims. (Cl. 266—23)

1. In a machine for generating the path of juncture of a branch pipe with a main pipe, a chucking sleeve adapted to be concentrically fixed on a branch pipe, a frame rotatable about said chucking sleeve, a carriage guided in the frame to reciprocate in a plane parallel to axes of the sleeve and branch pipe, gear teeth formed on the sleeve, an idler gear rotatably mounted in said frame having teeth engaging those on the sleeve, a shaft journaled in the frame on the opposite side of carriage to chucking sleeve, its axis being parallel to that of the sleeve, a gear wheel fixed on said shaft and having teeth equal in number to those on said chucking sleeve and engaging the teeth of said idler gear on the opposite side thereof, a crank arm fixed on end of said shaft opposite gear wheel, a forked spindle mounted on crank arm, its axis being parallel to axis of shaft and spaced therefrom by half the inside diameter of the branch pipe, a drive



pinion rotatably mounted in the frame having teeth engaging those of the shaft gear, a hand crank for turning said pinion for causing the shaft gear and crank arm to turn in respect to the frame and the frame to rotate about the axis of the chucking sleeve and branch pipe.

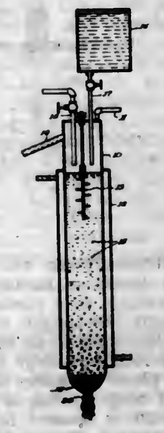
2,570,027

PROCESS FOR POLYMERIZING FURFURYL ALCOHOL

Andrew P. Dunlop, Riverside, and Paul R. Stout, Chicago, Ill., assignors to The Quaker Oats Company, a corporation of New Jersey

Application July 2, 1947, Serial No. 758,508

10 Claims. (Cl. 260—68.5)



1. The continuous process of making partially polymerized furfuryl alcohol which comprises continuously introducing furfuryl alcohol at the top of an elongated body of a dilute aqueous acidic catalyst which is maintained at an elevated temperature up to its boiling point, maintaining the furfuryl alcohol in contact with said catalyst until polymerization thereof is effected and globules of partially polymerized furfuryl alcohol are formed which separate from the catalyst solution and settle to the bottom thereof and agglomerate into a pool, and continuously removing partially polymerized furfuryl alcohol from the said pool.

2,570,028

AMMONIUM THIOCYANATE-PARTIALLY RESINIFIED FURFURYL ALCOHOL RESINS

Andrew P. Dunlop, Riverside, and Paul R. Stout, Chicago, Ill., assignors to The Quaker Oats Company, a corporation of New Jersey

No Drawing. Application September 29, 1947, Serial No. 776,862

1 Claim. (Cl. 260—68.5)

A process of producing a new artificial resin which comprises heating a mixture of a liquid, partially resinified furfuryl alcohol and ammonium thiocyanate under reflux at a temperature of about 60 to 90° C., for about 1 to 8 hours, to effect a partial reaction between the said reactants, and thereafter heating the partially reacted product at a higher temperature up to about 120° C., at least until a liquid thermosetting resin is produced.

2,570,029

ALLYL ESTERS OF 3:6-ENDOXO-1:2-CYCLOHEXANE-DICARBOXYLIC ACID AND POLYMERS THEREOF

Maurice Louis Auguste Fluchaire and Georges Collardeau, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate

No Drawing. Application October 28, 1949, Serial No. 124,262. In France November 6, 1948

10 Claims. (Cl. 260—78.4)

4. A process for the production of a polymer which comprises subjecting to heat treatment a diester of 3:6-endoxo-1:2-cyclohexane-dicarboxylic acid formed with an alcohol of the general formula $CH_2{=}CR{-}CH_2OH$ where R is selected from the class consisting of the hydrogen atom, halogen atoms and hydrocarbon groups, and discontinuing the heat treatment when the reaction product is in the form of a fusible solid polymer soluble in organic solvents.

2,570,030

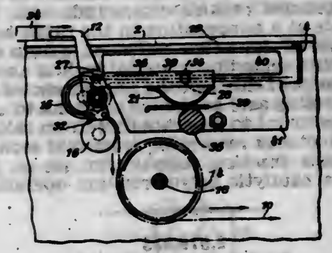
ENDLESS CHAIN CONVEYER

Leslie Gordon Forster, London, England

Application December 8, 1948, Serial No. 64,110

In Great Britain December 12, 1947

15 Claims. (Cl. 198—170)



15. Endless chain conveyor comprising an endless chain having an upper run and a lower run, pivots which move with and are maintained at a constant distance inwardly of the chain, an operating member supported by the pivots, a first chain reversing rotatable element at the forward end having a radius equal to the said constant distance, a second rotatable element over which the chain runs after leaving the first rotatable element and leading the chain in a return direction away from the upper run, the driving sprocket leading the chain towards the return run, a

guide rigid with and extending rearwardly from the said operating member, said guide being formed with parallel flanges, pins movable with the chain, rotation of the operating member about its pivots being controlled by engagement of the guide with the pins, the pins being adapted to leave and re-enter the guide as required, a non-driven rotatable element over which the chain runs at its rear end, and a ring concentric with and secured to one side of the said non-driven rear rotatable element so as to engage the guide, and thus control the rotational movement imparted thereto.

2,570,031
FROZEN CONFECTION AND METHOD OF MAKING THE SAME
Harvey C. Gibson, Lancaster, Pa.
Application August 29, 1949, Serial No. 112,967
7 Claims. (Cl. 99—137)



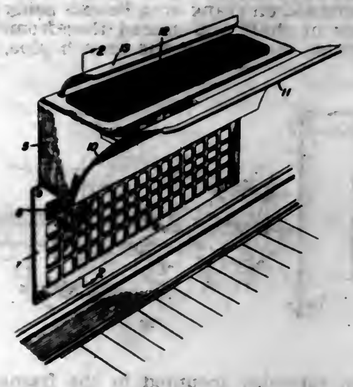
1. A frozen composite confection comprising a body consisting of at least two substantially similarly formed layers of frozen material merging into each other, an intermediate core of congealed material, which material is different than the material of both of said layers and is of less width than the body and extends longitudinally therein and is enclosed between the layers, and a stick extending into said body through one end thereof and passing through and gripped by the said core.

2,570,032
METHOD FOR PREPARING AN OLEFIN POLYMERIZATION FEED STOCK
Raymond L. Heinrich, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application June 23, 1948, Serial No. 34,832
8 Claims. (Cl. 260—683.15)

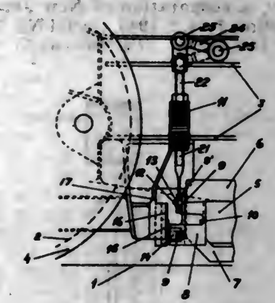
1. A method for preparing a feed stock for a catalytic polymerization operation which comprises contacting a naphtha containing olefins and oxygenated organic compounds with hydrogen sulfide at a temperature in the range between 40° and 250° F. for a time sufficient to form a reaction product including material boiling above the boiling range of the naphtha and unreacted material, subjecting said contacted naphtha to a separation treatment to separate therefrom said reaction product and recovering from said separation treatment a fraction suitable for use as a feed stock in a catalytic polymerization operation.

2,570,033
ROOM HUMIDIFIER
Max J. Kuss, Kent, Ohio
Application September 12, 1949, Serial No. 115,176
2 Claims. (Cl. 98—109)

1. A humidifier comprising a tank having an open top, attaching means on the tank for supporting the same in front of a wall above a hot air register, a sliding screen cover on the tank having a forwardly and upwardly curved deflector upstanding from the rear edge thereof to deflect vapor rising from the tank away from the wall, said tank having an upwardly curved concave front wall, and a forwardly and upwardly curved deflector rising above the tank from its front wall and forming a continuation of said wall.
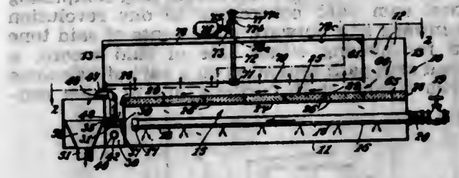


2,570,034
MAGNETIC RAIL BRAKE
Hans Breien Larsen, Stockholm, Sweden
Application October 23, 1945, Serial No. 623,945
In Sweden October 28, 1944
3 Claims. (Cl. 188—165)



1. In an electromagnetic rail brake for vehicles having a truck, a horizontally disposed body thereon, braking pole pieces arranged side by side throughout the length of the said body and carried by the same so as to extend in parallel relationship longitudinally of the said body and of the rail, pivot members arranged on the ends of the said body having a common longitudinal axis which is spaced below the center of mass of the said body, said pivot members allowing the body to swing around the said longitudinal axis, additional pivot members on the ends of the body and spaced above the first pivot members, yieldable suspension means attached to the additional pivot members, attachments for the said yieldable members on the truck so as to hold the body in its raised position above the rail when the brake is inactive, and so as to allow the brake body to be drawn against the rail when the brake is active, and vertical guide members attached to the said truck engaging the said first mentioned pivot members so as to guide the brake body and to convey the braking forces to the truck.

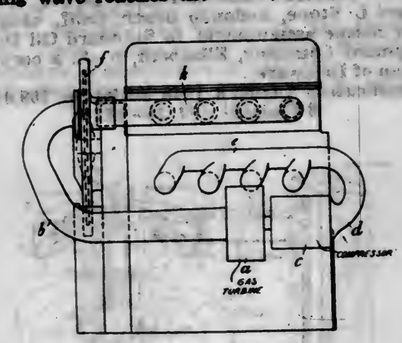
2,570,035
MEANS OF WET SCREEN SIZING
William C. Laughlin, New York, N. Y.
Application February 26, 1949, Serial No. 78,780
1 Claim. (Cl. 209—17)



In an apparatus for wet screen sizing of mineral particles, the combination of a horizontal container having a horizontal base, and a porous plate of such porosity as to permit water to flow therethrough while retaining mineral particles above the same, said porous plate being substantially parallel with the base of the container, said porous plate dividing said container to form a water compartment below the porous plate, and forming the base of a channel above the porous plate, walls forming a channel with said base, a mineral particle inlet at one end of the channel, an outlet at the other end of the channel, and means supplying water to the water compartment for ascent through the porous plate to maintain the particles between said inlet and said outlet, in teeter suspension in the ascending water above said base, with a screen located above said porous plate and extending longitudinally along said channel disposed in contact with said suspended particles moving from inlet to outlet, said screen being disposed to retain mineral particles larger than the screen openings within the channel, and permit mineral particles smaller than the screen openings to pass therethrough, and means agitating the mineral particles adjacent the screen, whereby mineral of mixed particle size when fed into said inlet and against the flow of water rising from the porous plate, will move longitudinally in the channel and along the screen from said inlet and toward the opposed outlet, with particles smaller than the screen openings passing from the channel and through the screen openings with the uprising water and to discharge, while the particles larger than the screen openings retained within the channel continue in longitudinal movement to separate discharge at the outlet.

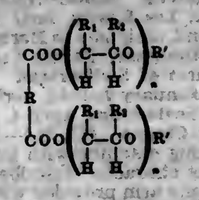
2,570,036
TWO-CYCLE INTERNAL-COMBUSTION ENGINE WITH EXHAUST GAS TURBINE
Wilfred Percival Mansfield and John White, Slough, England, assignors to Michel Kadenacy, Summit, N. J.; Nina K. Guercken executrix of said Michel Kadenacy, deceased
Application April 23, 1945, Serial No. 589,853
In Great Britain February 1, 1944
1 Claim. (Cl. 60—13)

In an engine installation, the combination of a two cycle internal combustion engine having a cylinder provided with inlet and exhaust orifices, means for opening and closing the orifices, said means opening the exhaust orifice ahead of the inlet orifice, an exhaust duct connected to the exhaust orifice, a turbine having an inlet connected to the outer end of the exhaust duct, a compressor driven by the turbine and having its outlet connected to the inlet orifice of the cylinder to charge the latter, a valve in the exhaust duct operable to provide an unobstructed passage through the duct and to close the duct, means for positively operating the valve, the exhaust duct having a cross-sectional area at least equal to the area of the exhaust orifice opened when the opening of the inlet orifice starts and the exhaust orifice being opened to such an extent in so short an interval that, upon each opening of the exhaust orifice, a wave of high pressure travels outwardly through the duct, the valve being disposed in the duct at a distance from the turbine equal to approximately half the length of the pressure wave and being operated to be fully open, when the front of the outwardly moving wave reaches the valve, and to be substantially fully closed, when the front of the wave reflected from the turbine inlet reaches the valve, the valve being disposed at such a distance from the cylinder, that the portion of the duct between the cylinder and valve has sufficient capacity to contain the volume of low pressure gases trapped between the cylinder and valve upon closing of the valve, when said gases are compressed to the pressure of the charge admitted to the cylinder, plus the amount of fresh charge desired to be passed from the cylinder into the duct and retained at the end of the charging period plus the residual low pressure gas scavenged from the cylinder.



2,570,037
ESTERS OF ALIPHATIC DIBASIC ACIDS AND ETHER-ALCOHOLS CONTAINING A BRANCHED CHAIN IN THE GLYCOL GROUP
Paul V. Smith, Jr., Westfield, and Fred Knoth, Jr., Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 2, 1948, Serial No. 42,334
5 Claims. (Cl. 260—485)

1. A composition of matter having the formula

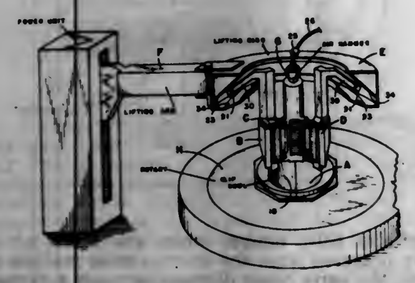


where R is an alkylene group containing 4 to 8 carbon atoms; where one of the groups R_1 and R_2 in each esterifying radical is a methyl group and the other is hydrogen; where R′ is an alkyl group containing 1 to 3 carbon atoms; and where n is an integer from 1 to 3.

2,570,038
PHENYLENEDIACETATE ESTER
Paul V. Smith, Jr., Westfield, and Fred Knoth, Jr., Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1948, Serial No. 68,084
3 Claims. (Cl. 260—475)

1. As a new composition of matter di-n-decyl phenylenediacetate.

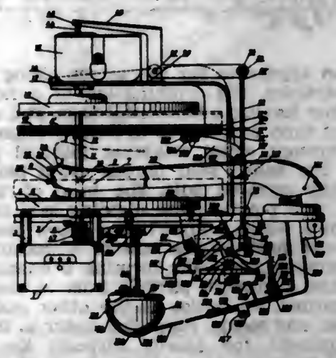
2,570,039
IMPACT ROTARY SLIP LOCK
Albert L. Stone, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application August 6, 1949, Serial No. 109,045
8 Claims. (Cl. 24—263)



1. A slip assembly adapted to fit in a slip bowl for holding a section of pipe against movement comprising, in combination, a plurality of slip members adapted to fit into the slip bowl and cooperating therewith when engaged with a section of pipe to support said pipe and at least one impact producing means mounted on at least one of said slip members, said impact producing means comprising a compressed air operated reciprocating motor with a hammer member arranged so that the reciprocating motor transmits a series of blows through the hammer member to said slip member in substantially the same direction as the downward component resulting from the load of pipe carried by the slip members and an air hose having a readily disconnectable coupling, said air hose being operatively connected to said compressed air motor and adapted to connect said motor with a source of compressed air.

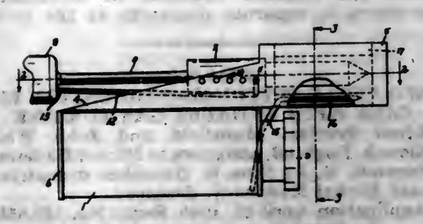
2,570,040
TALKING MACHINE WITH RECORD CHANGER
Robert Thorens, Sainte-Croix, and Louis Thévenaz, Les Rasses, near Sainte-Croix, Switzerland, assignors to Hermann Thorens Societe Anonyme, Sainte-Croix, Switzerland, a firm of Switzerland
Application January 7, 1946, Serial No. 639,496
In Switzerland April 4, 1945
11 Claims. (Cl. 274—10)

2. In a talking machine with automatic record changer of the character described, in combination a single tone arm provided with stylus means for successively playing the underside of the lowermost of a stack supported on first supporting means and the upper side of the same record after it has been brought without reversal onto second supporting means positioned in general vertical alignment with said first supporting means, a rotary cam adapted to perform one complete revolution for each record side to be played, cam follower and lever means controlled by said rotary cam to bring said stylus means in position for playing either the underside or the upperside of said record, said cam comprising a first cam path controlling in one revolution the inward and outward movements of said tone arm for playing either side of said record, a second cam path separated on a part of its course in two distinct path portions, one of them con-



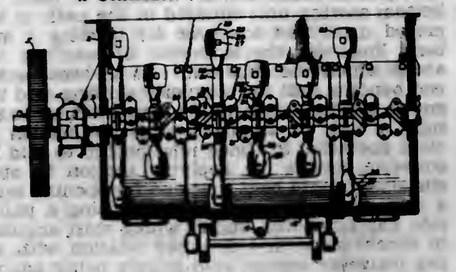
trolling the rising and lowering movements of the tone arm for playing the underside of said record and the other controlling the lowering and rising movements of the tone arm for playing the upper side of said record, the single portion of said second cam path determining the intermediate displacement and rest level of said tone arm, and switch means to guide said cam follower cooperating with said second cam path into one of said distinct path portions during one revolution and into the other distinct path portion during the next revolution of said cam.

2,570,041
SOLDERING IRON STAND
Hardin S. Wedmore, Santa Cruz, Calif.
Application March 10, 1947, Serial No. 733,506
11 Claims. (Cl. 113—111)



1. In combination with a container adapted to contain a supply of heat vaporizable anti-scaling liquid, means for supporting a hot soldering iron adjacent said container for vaporizing said liquid in the said container and for creating a slight vapor pressure in said container, means for conducting liquid under said pressure to a point adjacent the tip of said iron for vaporizing said liquid at said point, a shield around said tip when supported on said first mentioned means for causing the vapors generated at said point to surround said tip in engagement therewith.

2,570,042
PUG MILL
William C. West, Chattanooga, Tenn., assignor to The West Construction Company, Chattanooga, Tenn., a corporation of West Virginia
Application February 14, 1950, Serial No. 144,120
2 Claims. (Cl. 259—104)



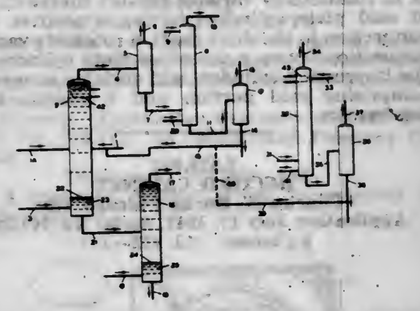
1. A pug mill or the like comprising a hopper, a pair of horizontally disposed parallel shafts extending longitudinally of said hopper with drive connections for rotating said shafts in opposite directions, and a plurality of paddles extending radially from each shaft for agitating the material within said hopper, said paddles arranged in alternating sets along each shaft, the paddles of one set comprising a pair mounted upon a shaft in diametric radial opposition to each other and of equal length, the paddles of the adjoining set comprising a pair mounted upon the same shaft in diametric radial opposition to each other and of equal length, the pair of paddles of the one set being of a length different from the length of the pair of paddles of the adjoining set, each paddle fitted at its outer end with a flat plate the working face of which is angularly disposed to the radial plane of rotation of the paddle, the paddles of said alternating sets by virtue of their different lengths adapted to create two mixing zones, one zone disposed within the other zone.

2,570,043
SKIRT HANGER
John Ambrosino and Morris Pascale, Flushing, N. Y.
Application October 22, 1949, Serial No. 123,012
3 Claims. (Cl. 223—95)



1. In a skirt hanger, having hanger members, joined by a pivot connection, means for moving said members, one of said members having a supporting hook, and a spring for holding said members in normally distant position to the extent of its spring action, the combination of vertically depending members, one integral with each hanger member, and each having an inwardly extending convex portion presenting an outward concave portion for the reception of a skirt at its waistband portion, each of said concave portions at its horizontally deepest part being tangent to a vertical plane and the lowermost end of each of said concave portions being in a second vertical plane parallel with and spaced outwardly of said first vertical plane tangent to the deepest part, said lowermost end providing a barrier against the vertical descent of the skirt waistband portion to hold the waistband portion on said concave portion, whereby said waistband portion is suspended with the waistband in its normal position.

2,570,044
PROPANE FRACTIONATION OF REDUCED CRUDE OIL WITH RECYCLE OF A SOLVENT EXTRACT
Bruce C. Benedict and William N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1948, Serial No. 66,991
7 Claims. (Cl. 196—14.17)

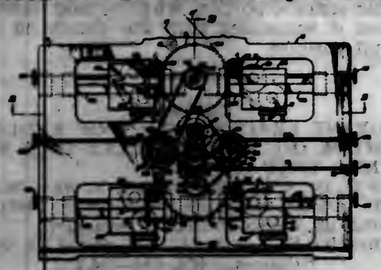


1. In the process for separating and recovering a lubricating oil fraction from a low asphalt-content crude lubricating oil stock with propane wherein a hard deposit of asphalt is formed and adheres to and plugs the oil fractionating apparatus, a method for continuously carrying out said fractionating operation without plugging of said apparatus by deposited asphalt comprising maintaining a body of liquid propane in a contacting zone, introducing said oil into said zone at a midpoint, introducing liquid propane into said zone at a point near the bottom thereof, withdrawing propane containing dissolved oil from the top and withdrawing an oil-rich liquid phase free from precipitated asphalt from the bottom of said zone; separating the oil from the propane containing said dissolved oil; maintaining a body of phenol in a second contacting zone, introducing the separated oil into said body of phenol at a point near the bottom and introducing phenol at a point near the top thereof, removing a raffinate phase from the top and an extract phase from the bottom of said second zone, separating a mixture of aromatic and naphthenic oils from said extract phase and introducing the separated mixture of aromatic and naphthenic oils free from phenol into said body of propane at the point of introduction of said low asphalt-content crude lubricating oil stock.

2,570,045
MEANS FOR EFFECTING PRINT ROLL REGISTER IN MULTICOLOR PRINTING PRESSES
Albert M. Bojanower and Richard D. Spearman, Downey, Calif.
Application January 24, 1948, Serial No. 4,184
11 Claims. (Cl. 101—181)

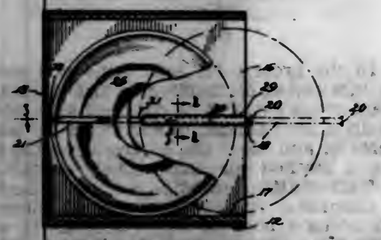
1. In a continuous printing machine a frame, an impression roll rotatably mounted on the

frame, plate cylinders rotatably mounted on the frame in parallel relationship with the impression roll, a drive shaft for the impression roll and plate cylinders, said impression roll comprising an impression cylinder having a positive drive connection to the drive shaft and a portion there-



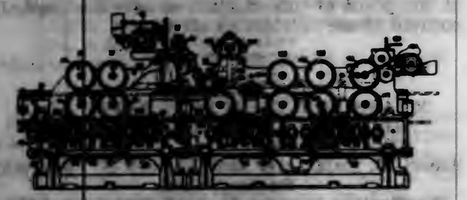
of in rotationally variable contact therewith, one of said plate cylinders having a positive drive connection to the drive shaft, a rotatably variable connection between the other plate cylinder and the impression cylinder, said variable connection comprising said portion and a change speed mechanism.

2,570,046
RECORD CABINET
Charles W. Burns, Chicago, Ill.
Application July 17, 1947, Serial No. 761,595
9 Claims. (Cl. 312—15)



4. In a disk record cabinet comprising a top, bottom and side walls and separated by a plurality of vertically upright partition walls into individual record compartments, unitary record-retaining and ejecting means, said partition walls having a horizontal slot formed in the side thereof in spaced relation with said bottom, and said retaining and ejecting means slidable therein.

2,570,047
BAG BOTTOMER
Edwin E. Burroughs, Brooklyn, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application September 11, 1948, Serial No. 48,829
8 Claims. (Cl. 93—22)



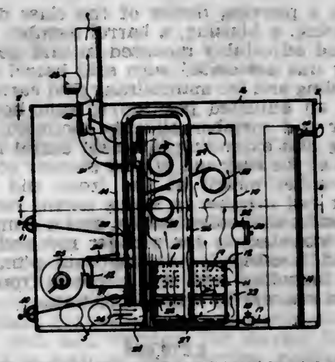
5. A bag bottom forming mechanism comprising in combination: bag tube conveyor; mechanism for moving said conveyor at a uniform speed; a plurality of means for securing bag tubes to said conveyor means each along a leading side edge thereof whereby the tubes are pulled sideways transversely to the longitudinal axis thereof; means for actuating consecutively said bag securing means whereby bag tubes are gripped and pulled consecutively thereby; a main bag bottom scoring unit situated in the path of bags moved upon said conveyor for forming a main bend line near the extremity of said bag tube about which the tube end can be bent; a tube end bending unit for angularly shifting said tube end to a point substantially perpendicular to said tube; a pair of angularly shiftable suction devices operating in timed relationship to said bag conveyor means for applying suction to opposite sides of said bent tube end for opening same; a tube end spreading unit comprising a pair of side flap spreading fingers which shift angularly in synchronism and in timed relation with said bag conveyor means, said fingers being adapted to enter the tube end and to spread same forming bag bottom side flaps, a pair of corner flap forming fingers also rotatable in synchronism and in timed relation to said bag conveyor means for entering said open tube end in the region of the leading corner thereof while the latter is moving away therefrom thereby pulling over such fingers a portion of such leading corner region and forming a leading corner flap having diagonal corner fold lines, a second pair of corner flap forming fingers also shifting angularly in synchronous relationship to one another and to said bag conveyor means for forming a trailing corner flap; mechanism for forming side fold lines upon said spread tube end; mechanism for applying adhesive to preselected areas of said spread tube end; and mechanism for folding said side flaps along said side fold lines whereby the bottom of the bag is closed and sealed.

2,570,048
TOOL FOR MARKING ANIMALS' EARS FOR IDENTIFICATION
Arthur Harold Cooke, Brentry, near Bristol, and Roy Horace Mumford, Bushey, England, assignors to Aviation Developments Limited, London, England, a British company
Application February 16, 1948, Serial No. 8,614
In Great Britain May 3, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1966
6 Claims. (Cl. 128—331)



1. A tool for labeling an animal's ear comprising a pair of cooperating jaws, an upsetting pin carried by one of said jaws, a punch rigidly mounted on the other of said jaws, and a holder for a labeling washer mounted around said punch and mounted on said punch-carrying jaw for yielding movement longitudinally of said punch.

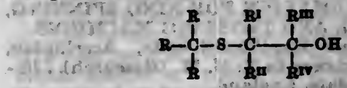
2,570,049
FUEL OIL SPACE HEATER
Robert C. Densel, Convoy, Ohio
Application July 14, 1947, Serial No. 760,824
3 Claims. (Cl. 126—94)



1. In an oil burning furnace, the combination which comprises a substantially enclosed casing having a stack connection at the upper end, spaced transversely disposed hot air flues extended through the upper part of the casing, and a sleeve extended from an opening in the lower part of the casing providing an air intake, a fire pot having a perforated wall spaced from the casing and having a centrally disposed opening in the upper end, means for supplying fuel to the fire pot, a blower positioned at one side of the casing, means connected to the discharge of the blower forming an air chamber, conduit means connecting the air chamber with the lower sleeve providing the air inlet tube, and an air tube extended from said air chamber upward on the outside of the casing and downward through the center of the casing and into the fire pot through the opening in the upper end thereof, said hot air tube having openings therein spaced from the lower end thereof for discharge of air over the surfaces of fuel in the fire pot for facilitating vaporization of the fuel.

2,570,050
CONDENSATION PRODUCTS OF TERTIARY ALKYL MERCAPTANS AND ALKYLENE OXIDES
Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 26, 1948, Serial No. 607,257
18 Claims. (Cl. 260—609)

1. Beta (tertiary-alkyl thio) ethanols having the general formula



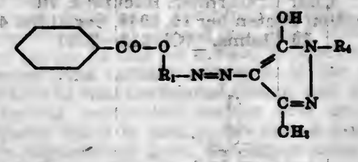
wherein each R is selected from class consisting of alkyl, aryl, aralkyl and alkaryl groups and wherein R^{I}, R^{II}, R^{III} and R^{IV} are each selected from the class consisting of hydrogen and alkyl group.

2,570,051
INSECTICIDAL COMPOSITIONS CONTAINING BETA-(TERTIARY-ALKYL THIO) ALKANOLS
Lawrence T. Eby, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 5, 1945, Serial No. 626,893
11 Claims. (Cl. 167—22)

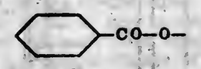
1. An insecticidal composition containing a beta-(tertiary-alkyl thio) alkanol in which the alkanol radical linked to the S atom has from two to four carbon atoms inclusive, as the active ingredient admixed with an emulsifying agent which lowers the surface tension of water and thereby promotes aqueous colloidal emulsions of the active ingredient.

2,570,052
MONOAZO DYESTUFFS
Friedrich Felix and Alphonse Heckendern, Basel, and Willy Widmer, Bottmingen, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application February 12, 1947, Serial No. 729,417. In Switzerland February 27, 1946
13 Claims. (Cl. 260—162)

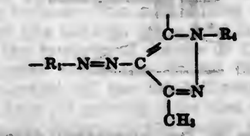
9. A monoazo dyestuff which corresponds to the formula



in which the



group is in a position adjacent to the —N=N— group, R_1 represents a binuclear radical of the naphthalene series, and R_4 represents a mononuclear radical of the benzene series, and wherein the

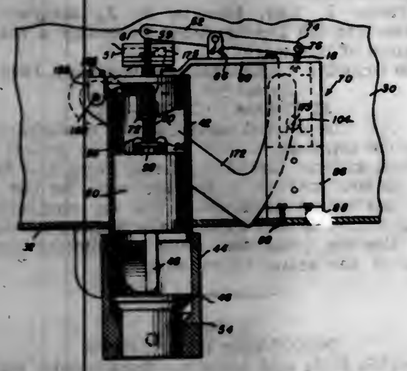


group bears a single sulfonic acid group as the sole solubility-imparting group.

2,570,053
WALK-IN BATHTUB
Arthur E. Fowler and Albert Dressler, Jr., Elmira, N. Y.
Application April 26, 1946, Serial No. 665,230
3 Claims. (Cl. 4—173)

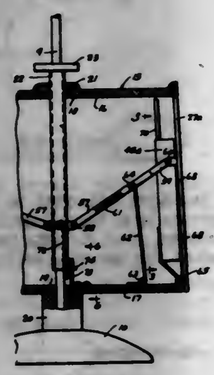
1. In a walk-in-bath tub having a tub-like body provided with a drain opening and a door mounted in the sides of the body, the improvement comprising manually operable means carried by the tub-like body and coacting with the door for retaining the door in closed position, mechanism coacting with said manually operable means to prevent operation of said manually operable

means while water is being emptied from the tub while the tub is being filled with water, and a



float mounted in the drain of said tub-like body for controlling said mechanism.

2,570,054
MAGAZINE CABINET HAVING TILTABLE RECEPTACLES
Clair C. Gardner, Rockford, Ill.
Application September 15, 1948, Serial No. 49,394
10 Claims. (Cl. 312—252)



3. A device of the character described, comprising a base, a standard supported thereon, a cabinet rotatably supported on said standard for storage of magazines and the like and having a plurality of magazine receptacles hingedly mounted in said cabinet and oscillatable to and from a magazine dispensing position, closures on the outer sides of said cabinet slidably connected to said receptacles for up and down movement, a sleeve serving as a central operator for said closures mounted in telescoping relation to said standard and movable endwise and rotatively relative thereto, and rocker elements pivotally mounted intermediate their ends on supports oscillatably mounted in the cabinet, said rocker elements providing operating connections between said sleeve and said closures, whereby said closures are opened and closed by endwise movement of said sleeve and the receptacles are moved to and from dispensing position.

2,570,055
PIERCING DEVICE
Alfred E. Gaedia, Los Angeles, Calif.
Application March 29, 1948, Serial No. 17,599
4 Claims. (Cl. 164—123.5)



1. In a piercing device of the class described comprising, a housing, a barrel member detachably and adjustably mounted in said housing, a locking nut associated with said barrel member for holding and for maintaining said barrel member in an adjusted position to said housing, a plunger rod member slidably mounted in said housing and extending into said barrel member, a knob at the rear end of said plunger rod member, a collet means at the front end of said plunger rod member, a stylus means removably mounted in said collet means, and a compression spring mounted on the plunger rod and engaging said housing for driving said plunger rod means including said stylus means frontwardly from its rearwardly cocked position.

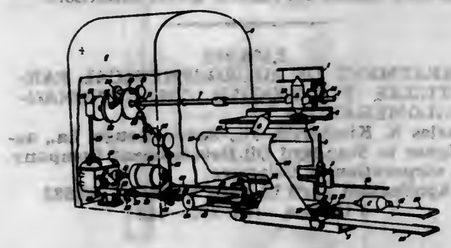
2,570,056
EMULSION POLYMERIZATION OF VINYL HALIDES
Paul Halbig, Fribourg, Switzerland
No Drawing. Application February 27, 1948, Serial No. 11,835. In Switzerland May 28, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1963
3 Claims. (Cl. 260—92.8)

1. The method of carrying out the portionwise emulsion homopolymerization of a monomeric vinyl halide in a polymerization chamber maintained at a polymerization temperature and containing a mixture of water, an emulsifying agent and a polymerization catalyst and a vapor space above said mixture, which method comprises introducing a portion of the monomeric vinyl halide into said polymerization chamber until a constant total pressure corresponding essentially to the saturation pressure of the said monomeric vinyl halide at said polymerization temperature is established therein, discontinuing the introduction of said monomeric vinyl halide into said chamber as soon as the said total pressure is established, effecting the polymerization at said polymerization temperature and said total pressure and continuing said polymerization without the addition of further monomeric vinyl halide until the pressure begins to decrease in said chamber, thereupon introducing additional monomeric vinyl halide and discontinuing the introduction of such additional monomeric vinyl halide as soon as the pressure in the polymerization chamber has been re-established to said total pressure, and continuing the polymerization in accordance with the general procedure above recited.

2,570,057
DOFFING MECHANISM FOR RING SPINNING, DOUBLING, AND TWISTING MACHINES
James Jackson Haythornthwaite, Accrington, England, assignor to T. M. M. (Research) Limited, Rossendale, England
Application November 3, 1950, Serial No. 193,825
In Great Britain November 29, 1949
6 Claims. (Cl. 57—52)

1. A spinning or like machine of the specified type having spindles for winding yarn packages

and mechanism for doffing the packages at definite locations, and comprising, in combination, a casing having a forward wall enclosing the lower part of the front of the machine below and alongside the doffing locations, a traveling conveyor band extending within the lower part of said casing throughout a portion, at least, of the length of the machine, the front of said casing consisting of door-like members, means support-



ing said members for outward tilting movement to positions in which they slope rearward toward and near to the forward edge of the conveyor and in which they are disposed to intercept yarn packages doffed from the machine and guide them onto the conveyor, mechanism connected with said members for moving the same outward to such package guiding positions, and means for operating said conveyor.

2,570,058
PREPARATION OF MAGNESIA GELS
Edward A. Hunter, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 23, 1949, Serial No. 106,416
8 Claims. (Cl. 252—317)

5. The method which comprises reacting magnesium metal with an alkanol containing at least four carbon atoms in each molecule in the presence of a halogenated hydrocarbon selected from the group consisting of chloroform and carbon tetrachloride and a catalytic amount of a mercury compound in order to form the corresponding magnesium alcoholate, hydrolyzing the alcoholate permitting the hydrolysis reaction mixture to separate into an aqueous and an organic liquid layer, recovering hydrous magnesia from the aqueous layer, subjecting the organic liquid layer to distillation to separate residual water from the organic liquids and reusing the organic liquid in the formation of further quantities of magnesium alcoholate.

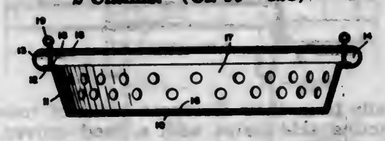
2,570,059
METHOD OF PACKING FINNED PIPE FOR SHIPPING AND HANDLING
Alpheus O. Hurxthal, Wyncote, and George W. O'Keeffe, Elkins Park, Pa., assignors to Procter & Schwartz, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application September 4, 1946, Serial No. 694,790
6 Claims. (Cl. 206—46)

2. An article of commerce comprising a length of pipe having on its outer surface a fin structure composed of closely spaced fin-forming elements extending substantially perpendicular to the axis of said pipe with their peripheral edges in substantial axial alinement, and a tubular casing enveloping said pipe throughout the axial length and circumference of the fin structure with the inner surface of said casing engaging the peripheral edges of the fin-forming elements, and means on the pipe at the opposite ends of the fin structure for preventing excessive axial



movement of said casing relative to said fin structure.

2,570,060
DOUBLE PIEPAN
Maude Fulton Johnson, New York, N. Y.
Application June 21, 1949, Serial No. 100,495
2 Claims. (Cl. 99—428)



1. A double pie pan construction comprising an outer pan having imperforate bottom and side walls, a horizontal flange outstanding from the upper edge of the side wall, an upstanding flange rising from the outer edge of the horizontal flange, said upstanding flange curved vertically into a convex outer wall and a concave inner wall forming a combined internal pocket and recycling inner curved wall, said upstanding curved flange having an inwardly-directed upper free edge lying radially outwards of the vertical projection of said horizontal flange, and an inner pan having perforated bottom and said walls removably fitted in said outer pan, a horizontal flange outstanding from the upper edge of the side wall of the inner pan adapted to rest on the horizontal flange of the outer pan and being throughout all parts of less radius than that of the upper free edge of said upstanding flange to permit the horizontal flange of the inner pan to clear said upper free edge in inserting and removing the inner pan, said horizontal flange of the inner pan being of less radial width than the horizontal flange of the outer pan to provide a well at the bottom of the inner concave wall of the pocket, said inner pan adapted to receive the bottom crust and filling of a pie with the edges of the bottom crust and top crust supported on the horizontal flange of the inner pan whereby juices from the filling driven by the expanding action of the heat through the crust edges will drop by gravity over the outer edge of the horizontal flange of the inner pan into said well and against said concave wall of the pocket up which concave wall and through said pocket the juices will be moved incident to convection action of the heat with the juices being deflected inwardly of the upstanding flange and back onto the top crust by the upwardly and inwardly curved contour of the inner pocket wall adjacent to and including its upper inwardly over-hanging free edge.

2,570,061
METHOD AND MEANS FOR LATERALLY SEPARATING AND SPACING A PLURALITY OF TRAVELING STRIPS
Robert McC. Johnstone, Bondsville, Pa.
Application March 5, 1948, Serial No. 13,247
2 Claims. (Cl. 271—2.1)

1. A method of laterally separating a plurality of strips traveling in side by side substantially

parallel relation in a fixed common plane, which consists in first simultaneously deflecting all of said strips angularly into laterally divergent paths by contacting said strips with a fixed concave surface extending transversely across the paths of travel of the strips, causing the strips to continue traveling in such paths until the desired amount of lateral separation is obtained, and then simultaneously deflecting all of said strips without material distortion of said strips



laterally from their divergent paths of travel by contacting said strips with a fixed convex surface extending transversely across the paths of travel of said strips into parallel paths in a plane substantially parallel to the fixed common plane of the strips when disposed in side-by-side parallel relation prior to contact with said concave surface, with each strip laterally separated from the adjoining strips to the extent secured by said angular deflection.

2,570,062

ELECTRIC CONTACT DEVICE FOR VARIABLE CURRENTS

Fritz Kesselring, Zollikon-Zurich, Switzerland, assignor to FKG Fritz Kesselring Geräteban Aktiengesellschaft, Bachtobel-Weinfelden, a Swiss company

Application October 15, 1947, Serial No. 779,944
In Switzerland October 18, 1946
12 Claims. (Cl. 200—91)
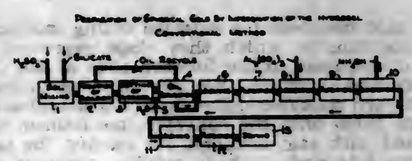


4. An electric contact device, comprising an electromagnet having an armature normally biased toward magnetically open position and a magnetising coil for imposing on said armature a variable magnetic holding force when said coil is energised while said armature is in magnetically closed position, a circuit for variable current to be controlled having contact means engageable with said armature for closing and opening said circuit when said armature is in closing and opening positions respectively, a control member movable between two control positions, spring means interconnecting said member and said armature for moving said armature against its bias to closing position when said member is moving from one to the other control position, said coil being connected with said circuit under control by said contact means to be energised when, during movement of said member, said circuit becomes closed, and auxiliary contact means associated with said member and connected to said coil for deenergising said coil when said member, during said movement, approaches said other control position whereby, during reverse movement of said member, said coil is reenergized and thereafter said armature moved to opening position at a moment when the resultant of said holding force and of the variable force imposed by said spring means on said armature passes through a given condition.

2,570,063

TREATMENT OF MICROSPHERICAL PARTICLES TO RENDER THEM NONAGGLOMERATING

Charles N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 12, 1949, Serial No. 86,923
5 Claims. (Cl. 252—448)



1. In a process for preparing a heat and steam stable gel catalyst in microspherical particle form and containing silica and adapted for use in the conversion of hydrocarbon oils, wherein a silica containing sol is emulsified in a water immiscible liquid and the resulting emulsion is agitated for such a time and to such a degree as to form discrete spherical hydrogel particles which are washed, dried and activated and which when dried are composed mostly of microspherical particles below about 120 microns in size; the method of reducing the agglomerating tendency of said discrete microspherical particles during said drying treatment which comprises treating the freshly formed discrete microspherical hydrogel particles before said drying treatment with water maintained at a temperature between 150° F. and 212° F. for a period between about 5 and 24 hours and sufficient to substantially eliminate the agglomerating tendency of said particles during said drying treatment.

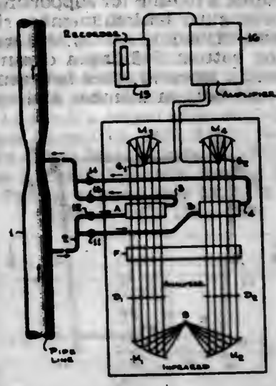
2,570,064

METHOD FOR DETERMINING CUT POINT IN PIPE-LINE CRUDE OIL BATCHING

Richard N. Meinert, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application September 6, 1947, Serial No. 772,518
2 Claims. (Cl. 250—43)

1. In the transportation of petroleum liquids through pipelines, wherein separate batches of different liquids are passed successively through the same pipeline, the method of detecting a batch change at a selected point in the line which comprises initially placing in two detecting zones portions of the batch of liquid then flowing through the pipeline at the point selected, passing infra-red radiation through the two detection zones, detecting transmitted infra-red radiation from each zone and converting the radiation from each zone into an electrical quantity, balancing the electrical quantities from the two zones in an electrical circuit, continuously passing liquid through one of said zones as a side stream from the main body of liquid passing through the pipeline while maintaining the original portion of liquid in the second zone, continuously passing infra-red radiation through



both of said zones and detecting a shift in balance of the electrical circuit as an indication of a batch change in the liquid passing through the pipe line.

2,570,065

PICKUP DEVICE FOR HARVESTERS

Edward G. Melroe, Gwinner, N. Dak.

Application May 18, 1949, Serial No. 93,990
7 Claims. (Cl. 198—197)



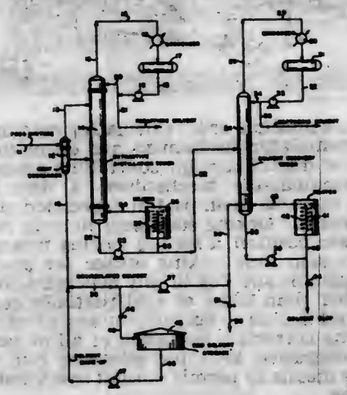
2. A pick-up device for a travelling harvester comprising a frame embracing a pair of spaced parallel rollers, an endless conveyor trained about said rollers, said conveyor embracing a plurality of spaced apart individual belts secured together to move as a single belt by substantially rigid transverse strips secured to said belts forwardly of their trailing edges so that the trailing edges of said transverse strips are free to move away from said belts as they pass around either the driven or idler rollers, spring teeth pivotally mounted on the trailing edges of said strips, each of said teeth formed with an outwardly projecting portion and a second portion adapted to bridge the space between the strip on which any one of said teeth is mounted and the next succeeding strip in the flat runs of the conveyor, and free to move between the strip on which any given tooth is mounted and the next succeeding strip as said last mentioned strips pass about either of said rollers, one of said rollers embracing a plurality of spaced pulleys, one for each of said spaced belts.

2,570,066

EXTRACTIVE DISTILLATION PROCESS

Morris R. Morrow and Jack W. Smalling, Baytown, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application August 26, 1948, Serial No. 46,196
1 Claim. (Cl. 202—39.5)



An extractive distillation method for separating naphthenes from paraffins which comprises countercurrently contacting a vaporized liquid mixture of a naphthene and a paraffin boiling in the gasoline range and having a boiling range no greater than 50° F. in a distillation zone with tetramethylbenzene at a temperature above the boiling range of the mixture to form a raffinate phase including the paraffin and an extract phase comprising the naphthene and tetramethylbenzene, and separating said phases.

2,570,067

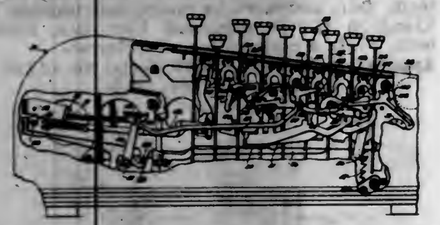
HYDROCARBON CONVERSION WITH VANADIA- AND/OR MOLYBDENA-CONTAINING CATALYSTS

John W. Myers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 16, 1947, Serial No. 755,026
8 Claims. (Cl. 260—683.3)

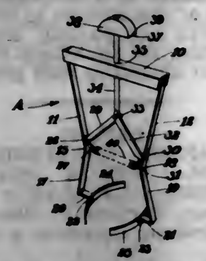
1. A process for the catalytic conversion of hydrocarbon material, which comprises passing said hydrocarbon material over a catalyst containing an oxide of a metal selected from the group consisting of vanadium and molybdenum maintained at a temperature in the range of about 1050 to about 1250° F. until the catalyst is deactivated by deposition of carbonaceous material on the surface thereof; discontinuing passing said hydrocarbon material over said catalyst, maintaining a reducing atmosphere in contact with said catalyst while lowering the temperature to a range of 700 to 1025° F.; then burning off said carbonaceous material with an oxygen-containing gas while maintaining the temperature of said catalyst in said last-named range; reheating the reactivated catalyst in a reducing atmosphere to a temperature in the range of about 1050 to about 1250° F. and resuming said catalytic conversion process.

2,570,068
KEYBOARD INTERLOCK FOR CALCULATING MACHINES
Frederick A. Niemann, Chicago, Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1945, Serial No. 599,561
14 Claims. (Cl. 235—130)



6. In a multiple order calculating machine having accumulator mechanism, and denominational orders of digital keys for controlling actuation of said accumulator mechanism; a first locking means operable upon partial depression of any of said keys for locking such keys in such partially depressed position, a second locking means operable by said first locking means for preventing depression of any key in any denominational order other than those of said partially depressed keys, and manually operable means effective only following corrective actuation of all of said partially depressed keys for releasing said second locking means to permit normal operation of the machine.

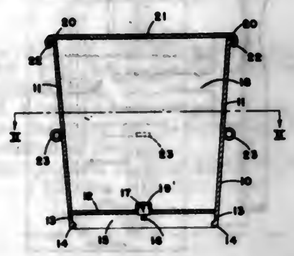
2,570,069
JAR LIFTING DEVICE
Thomas J. Novak, St. Paul, Minn.
Application July 8, 1946, Serial No. 681,931
4 Claims. (Cl. 294—31)



1. A jar lifting apparatus including a handle, a pair of arms pivotally connected thereto adjacent opposite ends thereof, jar engaging jaws supported by the free ends of said arms, a pair of opposed loops on said arms intermediate the ends thereof, a pair of links pivotally connected together and having hook shaped ends engageable through said loops on said arms, and resilient means connecting the ends of said links to urge said jaws together.

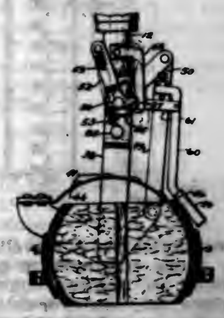
2,570,070
SHIPPING CONTAINER
Frederick A. Palmer, Wooster, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application August 25, 1948, Serial No. 46,164
1 Claim. (Cl. 214—1.1)

A container designed to be nested with containers of the same size and construction comprising a straight sided wall portion in the shape of a frustrum of a rectangular pyramid having a comparatively small taper from top to bottom, a bottom portion comprising an extension of said wall portion defining a footing for supporting said container, a rectangular bottom member rigidly connected to and extending across said wall portion adjacent the bottom defining a closure for said container and a recessed space between the outer surface of said bottom member and said bottom



portion, a check valve centered in said bottom portion defining an inlet to said container, a cover plate on said check valve arranged within said container, at least two oppositely arranged members defining engaging means arranged on the outer surface of said wall portion at points below the center of gravity of said container, an exterior shoulder on the outer periphery of the top of said container, a removable cover plate for said container, and means on said cover plate engageable with said shoulder.

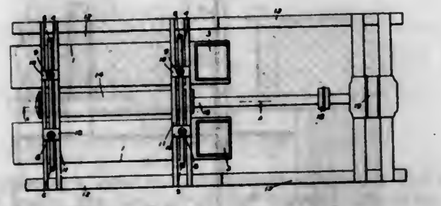
2,570,071
APPARATUS FOR PEELING FRUIT
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Tampa, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application September 26, 1946, Serial No. 699,434
7 Claims. (Cl. 146—3)



1. Apparatus for removing the meat as a substantial whole from stubbed citrus fruit comprising a longitudinally curved blade having an axis of oscillation substantially about the center of curvature thereof and an axis of revolution normal to the axis of oscillation, mechanism associated with the blade including means for moving the same through an angle about said axis of oscillation in an intermittent reciprocating movement to penetrate through the meat and then withdraw the blade therefrom, other means for moving the blade about said axis of revolution through a single circuit about the meat between said reciprocations, and means for imparting a

substantially rapid oscillating movement to said blade through a relatively small angle about said axis of oscillation during said circuit.

2,570,072
MACHINE FOR WASHING MINERALS AND ORES
Alfred Ratcliffe and Geoffrey W. Talbot, Buxton, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 18, 1947, Serial No. 769,208
In Great Britain July 29, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 29, 1966
2 Claims. (Cl. 134—120)



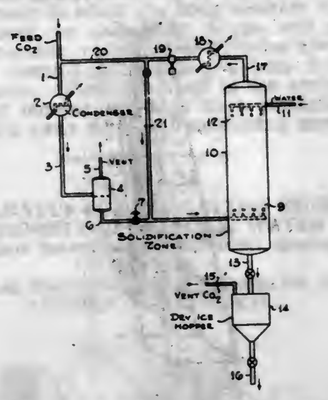
1. In an ore washing machine, a rigid supporting frame, a pair of washing vessels each of substantial length in one dimension and including an inlet and outlet, said vessels being fixed together with said dimension parallel and horizontal, means spaced along said dimension of each vessel to resiliently and dependently support each vessel for gyratory movement out of contact with said frame, a pair of coaxially arranged bearing elements between and rigid with said vessels, said bearing elements being spaced apart on their common axis and such axis being parallel to said dimension of said vessels, a rotatable shaft journaled in said bearing elements, the center of gravity of said shaft being offset from its axis of rotation so that rotation of said shaft will gyrate said vessels about said dimension and relative to, but in a path free of, said frame.

2,570,073
FURNACE WALL
George P. Reintjes, Kansas City, Mo.
Application November 3, 1945, Serial No. 626,467
1 Claim. (Cl. 122—235)



A boiler furnace wall comprising a plurality of rows of boiler tubes arranged in parallel spaced rows, the tubes of each row being staggered in relation to the tubes of adjacent rows to form a plurality of enclosures, a column of refractory blocks received within each enclosure and held against movement by the enclosing tubes, metallic plates interposed between predetermined refractories and having vertical slots, and extensions welded to said tubes in sliding engagement with said slots.

2,570,074
DRY ICE MANUFACTURE
Walter H. Rupp, Mountainside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 30, 1949, Serial No. 102,270
13 Claims. (Cl. 62—121)



1. Process for the manufacture of solid carbon dioxide which comprises introducing liquid carbon dioxide into a zone under conditions to vaporize the same, controlling conditions so as to solidify at least a portion of the CO_2 and maintaining said solidified CO_2 in a fluidized state.

2,570,075
RETAINER FOR CLOTHES HANGERS
Leonard H. Schwarz, Hartford, Conn., assignor to J. H. Sessions & Son, Bristol, Conn., a corporation of Connecticut
Application July 3, 1948, Serial No. 36,970
2 Claims. (Cl. 312—307)

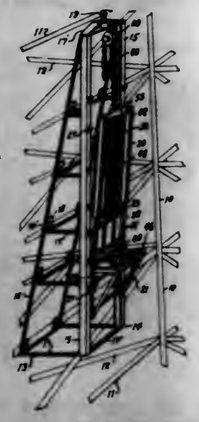


1. A retainer for clothes hangers comprising a casing attached to a piece of luggage and having a slidable member therein, guiding means for said slidable member formed in said casing, co-operating slots formed in said casing and slidable member, said slots having wide and narrow portions, and said slots, with the slidable member in one position, having their wide portions aligned and in another position having the wide portions out of alignment, and a knob on said slidable member having projections extending through narrow elongated slots in said casing member, whereby said slidable member may be moved by movement of said knob, the length of movement being limited by said slots.

2,570,076
DERRICK PLATFORM STRUCTURE
William R. Sims, Carthage, Tex.
Application July 28, 1947, Serial No. 764,084
5 Claims. (Cl. 304—14)

1. A platform structure for use in derricks including, a support adapted to be fastened to one

side inwardly of a derrick and having upright guide means, a carriage slidably mounted on the guide means so as to be movable vertically of the derrick, the carriage having a horizontal frame at its upper end projecting inwardly of the derrick from said guide means, a rectangular working platform having one end portion resting



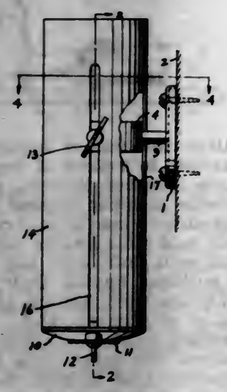
upon and supported by the horizontal frame of the carriage with its opposite end portion extending inwardly thereof, the platform having the extremity of said one end portion pivotally attached to said carriage frame adjacent said guide means whereby said platform is pivotal upwardly into parallel contiguous relation to said guide means.

2,570,077

SUPPORTING CASING FOR COLLAPSIBLE TUBE, HAVING EXTRUDING MECHANISM FOR THE CONTENTS OF SAID TUBE

Alfred B. Smith, Houston, Tex.

Application November 12, 1946, Serial No. 709,155
3 Claims. (Cl. 222—99)



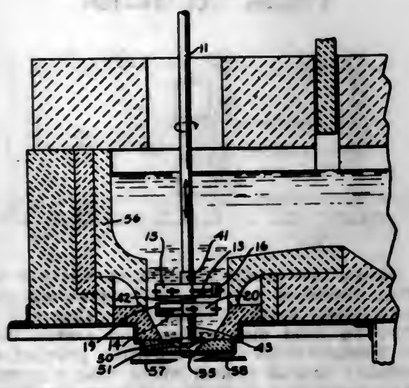
1. A dispenser comprising, a frame adapted to be secured to a stationary support and including a shank and an annular band secured to the shank, bearings in the band, a transverse key mounted to rotate in the bearings and having an extended end, said key having a transverse slot to receive the closed end of a flexible tube which is adapted to roll about the key upon rotation of the key, a cap having a central opening to receive the neck of the tube, a housing adapted to be fitted snugly over the band of the frame and moveably carried by said frame, said housing having longitudinal slots leading from the open end thereof to receive the shank and the extended end of the key, respectively, said cap having a reduced upper end which fits snugly into the lower end of the housing.

2,570,078

STIRRER AND FEEDER

Paul F. Spremulli, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application February 9, 1950, Serial No. 143,273
16 Claims. (Cl. 49—55)



1. In a stirrer for molten glass, an arcuately shaped impeller having a perforation therethrough near one end and another perforation therethrough intermediate its ends, and an open-ended slot at its opposite end, and a supporting element for said impeller having an arcuate edge abutted against the impeller and having projections occupying the perforations in the impeller, said impeller slot being also occupied by a portion of said support.

16. A glass-stirring and glass charge-extruding apparatus comprising a cylindrical housing adapted for the downward flow of molten glass therethrough and provided with a bottom outlet, a rotatable and axially movable shaft within said housing in axial alignment with said outlet, a set of arcuate impeller elements radially projecting from said shaft into the proximity of the housing wall, and flow-control means carried by the lower end of said shaft and comprising a member of substantially greater diameter than the shaft, the portion of the housing adjoining the outlet being so shaped that said member, in cooperation therewith, serves to control the rate of flow of glass through the outlet.

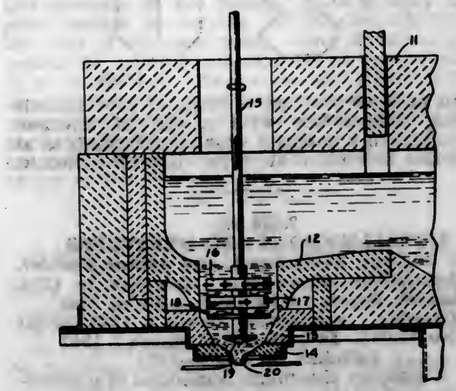
2,570,079

GLASS STIRRER AND FEEDER

Paul F. Spremulli, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application February 9, 1950, Serial No. 143,274
9 Claims. (Cl. 49—55)

1. In an apparatus suitable for stirring and feeding glass, a housing embodying a vertical generally cylindrical space having a bottom outlet in its axial center which is substantially smaller than the bore diameter thereof, means for maintaining said cylindrical space full of molten glass while glass is being issued from the bottom outlet, a continuously rotatable and axially reciprocable shaft within and coaxial with said cylindrical space, stirring elements radially projecting from said shaft within said cylindrical space, and means carried by the lower end of said shaft below the stirring elements and comprising a



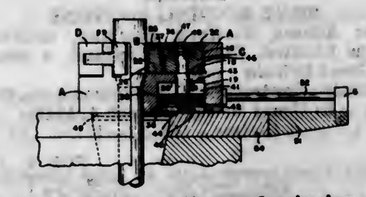
member of a substantially greater diameter than said shaft, the portion of the housing adjoining the outlet being so shaped that said member, in cooperation therewith and with the stirring elements, serves to control the issuance of glass through said outlet.

2,570,080

DEVICE FOR GRIPPING PIPES

Albert L. Stone, Redondo Beach, Calif., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware

Application May 1, 1948, Serial No. 24,593
2 Claims. (Cl. 255—35)



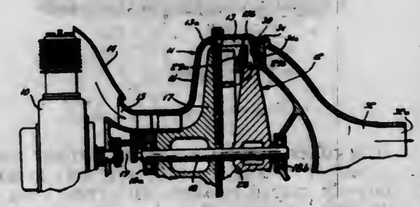
1. A device for supporting and gripping a section of pipe having an outwardly extending shoulder of greater diameter than the body of the pipe comprising, in combination, a body member defining a slotted opening with the base of the opening arcuate in shape and the lower portion of the arcuate surface defining an arc no greater than 180° and having a radius slightly greater than that of the body portion of the pipe and less than that of the shoulder portion for fitting slidingly but snugly with said body portion and the upper portion defining an arcuate surface greater than 180° and with a radius slightly greater than that of said shoulder for receiving the shoulder slidingly but snugly, a first die member carried by the body for gripping a section of pipe supported on the base of the body, a releasable gripping element slidably mounted on the body member adapted for movement toward and away from the center line of the arcuate surface and said first die member and carrying additional die members on a surface adjacent the opening and having a wedge surface on a side opposite said die members, a wedge member slidably mounted on the body member adapted to move perpendicular to the path of the gripping element with the wedge surface slidably engaged with the wedge surface of the gripping element, a power transmitting means mechanically connected to the wedge member, wheels mounted on the body member having tires which distort under the load of a section of pipe supported by the body member to allow the body member to rest on a support, an anchoring means, and power means including a piston and cylinder assembly with one element secured to the body member and the other element secured to the anchoring means for moving the body in a straight line toward and away from said anchoring means.

2,570,081

APPARATUS FOR PRODUCING HIGH-INTENSITY ULTRASONIC WAVES

Bolesław Szczeniowski, Montreal, Quebec, Canada

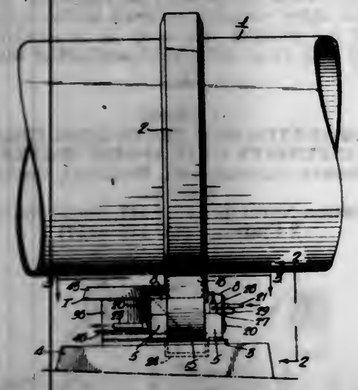
Application November 26, 1947, Serial No. 788,143
2 Claims. (Cl. 116—137)



1. In apparatus of the class described, the combination comprising: a one-stage compressor constituted by a housing and a rotatable impeller, the latter having passages formed in the periphery thereof in a plurality of sub-stages, including a primary axial sub-stage, and a radial sub-stage, and a secondary axial sub-stage, the respective passages of each sub-stage being in register, the peripheral fins forming said stages extending radially, the axes of the passages of the primary and secondary axial sub-stages being angularly disposed relative to the plane of rotation of the impeller at inlet and outlet angles respectively of between approximately fifteen and forty-five degrees, said impeller being not less than approximately three and one-half feet in diameter with the primary axial sub-stage being disposed nearer the axis of rotation than the secondary sub-stage, the radial sub-stage being interposed therebetween and being composed of radially directed channels, the sidewalls of any one of which are parallel to each other and substantially radially directed, said compressor having a compression ratio of approximately thirty to one when said impeller is rotated at a peripheral velocity of approximately three thousand F. P. S. measured at maximum impeller diameter; a rotor operatively connected to said impeller for rotation therewith, said rotor having a diameter approximately equal to said impeller having a peripheral groove therein forming a peripheral channel having two sides, one of the sides having a plurality of holes formed therein spaced at about .06 inch between centers, each hole having a diameter of about .04 inch; a housing for said rotor, the housing including a stationary disc mounted adjacent said rotor, said disc having a like plurality of holes formed therein at a like radial disposition; an outlet discharge member for directing compressed gases and supersonic waves in a predetermined direction; a stationary passage mem-

ber for directing the output gases of the compressor into said channel; and power means for rotating said impeller.

2,570,082
SUPPORT FOR ROTARY KILNS
Samuel W. Trayler, Jr., Allentown, Pa.
Application September 23, 1948, Serial No. 50,747
16 Claims. (Cl. 308—76)



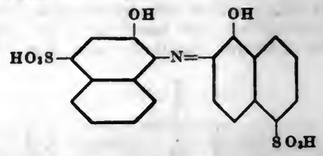
1. In a roller support and thrust roller assembly, a pair of rotatable roller supports arranged in relatively spaced relation with their axes parallel to each other, a thrust roller intermediate and to one side of said roller supports and rotatable about an axis perpendicular to said roller support axes, non-rotatable hollow bearings for said roller supports, a non-rotatable bearing for said thrust collar, means to cool said bearings including devices to introduce cooling liquid interiorly of said hollow bearings and interiorly of said thrust roller, and means to supply cooling liquid continuously to said devices.

2,570,083
PRODUCTION OF THIOPHENE FROM DIOLEFIN AND HYDROGEN SULFIDE
Edward F. Wadley, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application April 14, 1947, Serial No. 741,238
5 Claims. (Cl. 260—332.8)

1. A process for producing a thiophene which includes the steps of heating a mixture of a conjugated diolefin selected from the group consisting of butadiene, isoprene, and pentadiene with hydrogen sulfide in a silica lined reaction chamber in the absence of added catalyst to a temperature in the range of 500° to 650° C.

2,570,084
COMPLEX CHROMIUM AZO COMPOUND
Willy Widmer, Bettmingen, and Jakob Brassel, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application December 15, 1947, Serial No. 791,930. In Switzerland January 6, 1947
3 Claims. (Cl. 260—150)

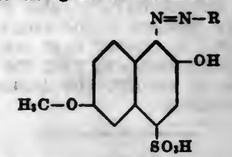
3. A chromium compound containing about one atom of chromium in complex union in the molecule of the azo dyestuff obtained by treating the dyestuff which in the free acid state corresponds to the formula



in an aqueous reaction medium at substantially boiling temperature with a salt of trivalent chromium in a quantity which corresponds to at least one chromium atom per dyestuff molecule.

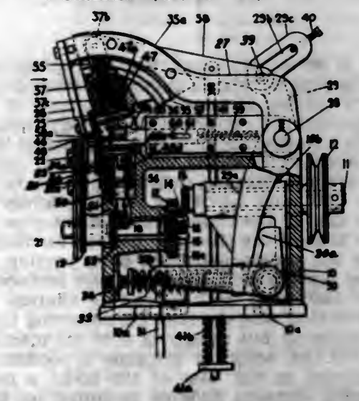
2,570,085
METALLIFEROUS AZO-DYESTUFFS
Willi Widmer, Bottmingen, and Arthur Buehler, Rheinfelden, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application March 2, 1948, Serial No. 12,685. In Switzerland March 7, 1947
7 Claims. (Cl. 260—147)

1. A complex chromium compound of a monoazo dyestuff of the general formula



in which R stands for a member selected from the group consisting of a radical of a hydroxynaphthalene bound to the azo linkage in a position vicinal to a hydroxy group, and a radical of a 5-pyrazolone bound to the azo linkage in the 4-position.

2,570,086
EDGE BINDING MACHINE
Walter Adams, Stafford, England, assignor to Lotus Limited, Stafford, England, a company of Great Britain
Application September 19, 1946, Serial No. 698,004
In Great Britain March 4, 1946
7 Claims. (Cl. 12—17)



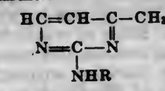
1. An edge binding machine incorporating a positively driven means for feeding the work to be bound through the machine, a pair of superposed pressure exerting rotary members which are arranged so as to be located above and below the marginal portions of the edge to be bound and which present downwardly and upwardly directed faces in facial contact with the opposite sides of the work being bound, means for positively driving the rotary members so that they rotate in the direction of feed with the contacting faces sweeping across the top side and underside portions of the binding as it is being applied, means for varying the relative setting of the axes of the superposed rotary members and means for guiding the binding on to the edge to be bound and between the said rotary members so that the said rotary members in the progress of binding simultaneously subject the portions of the binding which are folded over the said edge to an inwardly directed swaging action as well as to pressure.

2,570,087
2-AMINO-4-METHYL PYRIMIDINES AND PROCESS OF PREPARING SAME
Hans Andersag, Wuppertal-Elberfeld, and Hans Mauss, Wuppertal-Barmen, Germany, assignors to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 17, 1949, Serial No. 93,849. In Switzerland May 22, 1948
11 Claims. (Cl. 260—256.4)

4. Process that comprises reacting a 4-alkoxybutene-3-ine-1, in the presence of an acid condensing agent, with a substance chosen from the class consisting of compounds represented by the general formula:

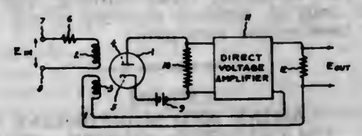
$$NH_2.CNH.NHR$$

wherein R is a substituent chosen from the group consisting of hydrogen, alkyl, aralkyl and aryl, and salts thereof, and recovering from the reaction mixture a reaction product represented by the general formula:



wherein R has the meaning assigned above.

2,570,088
DIRECT-CURRENT AMPLIFIER
Francis M. Bailey, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 14, 1950, Serial No. 156,024
1 Claim. (Cl. 179—171)



In a constant gain unidirectional signal amplifier, a cutoff magnetron having an anode, a cathode and a pair of magnetizing field windings, one of said field windings being adapted to be connected to a source of unidirectional signal voltage variable in magnitude and direction, a source of unidirectional current supply and a load resistor connected in series circuit relation between said anode and cathode, magnetizing means for maintaining the anode-cathode current at an intermediate point of the linear portion of its field-current characteristic in the absence of signal voltage, a direct voltage amplifier subject to variation in gain connected across said load resistor and having output terminals, and an output resistor connected in series circuit relation with the other said field winding across the output terminals of said direct voltage amplifier, said other field winding being disposed to oppose changes in magnetron field strength resulting from the imposition of signal voltage on said one field winding.

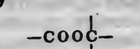
2,570,089
COMBINATION DISPENSER ALLOWING SELECTIVE DISCHARGE THEREFROM BY ORIENTATION
Charles K. Barton, Jr., and Frank Tamaro, Paterson, N. J.
Application May 29, 1950, Serial No. 164,887
6 Claims. (Cl. 222—142.4)



1. In a combination dispenser a hollow body; a division wall to divide the body into two compartments; an opening through the wall of the body into each compartment adapted for filling the respective compartments; a removable closure for each of such openings; perforations in the wall of the body leading to one compartment; the said division wall positioned to form a constricted passage in such compartment in advance of such perforations; a tube in the second of such compartments opening at one end out of a wall of the body at right angles to the perforated wall and having a perforated closure; an end closed sleeve surrounding the inner end of the tube in spaced relationship to the end and side wall thereof; and a shield within such second compartment overlying in spaced relationship that half of the open end of such sleeve lying closer to the perforated body wall.

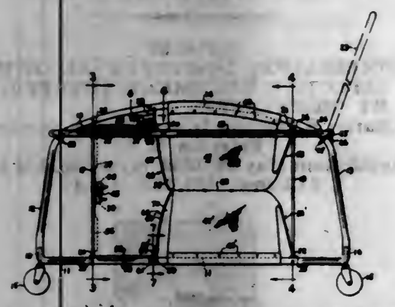
2,570,090
CARBOXYPHENYLPOLYSILOXANE-POLYHYDRIC ALCOHOL COPOLYMERS
Arthur J. Barry and John W. Gilkey, Midland, Mich., assignors to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 5, 1949, Serial No. 103,176
4 Claims. (Cl. 260—75)

1. A polyester composed of a polysiloxane having a degree of substitution of from 1.9 to 3 organic radicals per silicon atom, said radicals being selected from the group consisting of carboxyphenyl, tolyl, phenyl and methyl radicals in which polysiloxane there is from one carboxyphenyl radical per 4000 silicon atoms to one carboxyphenyl radical per silicon atom, there being at least two carboxyphenyl radicals per siloxane molecule, and a polyhydric alcohol selected from the group consisting of ethylene glycol, glycerol and bis-hydroxymethyldimethylsilane, in which polyester the polysiloxane and the alcohol are linked together by



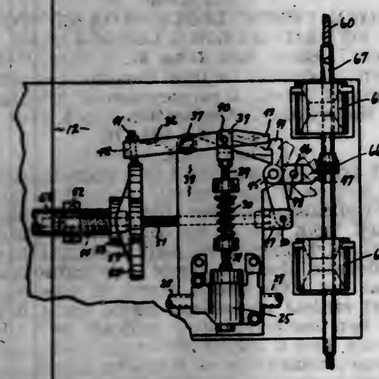
linkages, there being in said polyester from one part by weight alcohol per 300 parts by weight polysiloxane to 2.5 parts by weight alcohol per part by weight polysiloxane.

2,570,091
ROLLING AND ROCKABLE TOY
Robert B. Bennett, Akron, Ohio
Application December 27, 1948, Serial No. 67,350
2 Claims. (Cl. 280—30)



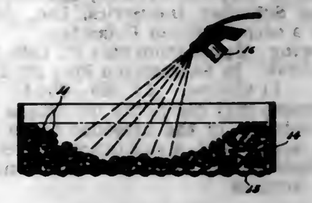
1. In a rolling and rockable toy, parallel spaced upright frames, wheels mounted at their opposite ends, parallel spaced transverse cross braces with their respective ends swivelly joined to said frames adjacent their opposite ends, a pair of spaced transverse platforms pivotally mounted at one of their edges upon and adjacent the top and bottom of one of said cross braces, with their opposite edges when horizontal retainingly engaging said frames to rigidly maintain their spaced relation, and a spring clip on said one cross brace projecting inwardly from a central portion thereof intermediate the pivotal mountings of said platforms and retainingly engageable on its opposite sides with said platforms when pivoted to a vertical position.

2,570,092
CONTROL DEVICE FOR HYDRAULIC PRESSES
Meyers Martin Berger, Youngstown, Ohio, assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1946, Serial No. 655,830
1 Claim. (Cl. 137—139)



A control mechanism for a valve having a valve stem normally urged upwardly to closed position of the valve, said control mechanism including a lever pivoted to a supporting surface midway between its ends, a seat formed on one end of the said lever and a keeper releasably engaging the said seat, the said valve stem being pivoted to the said lever midway between the pivot and the said seat thereof and a double face cam rotatably positioned adjacent the other end of the said lever for imparting movement thereto so as to depress the said valve stem to open the said valve, the said valve being closed by disengaging the said keeper from the said lever thereby permitting the said valve stem to rise, and means for disengaging the said keeper comprising a depending arm formed thereon, a rod pivoted to said depending arm and supported adjacent the said double face cam and a finger on said rod engaging the said double face cam to impart movement to the said rod when the said double face cam is revolved.

2,570,093
METHOD OF PAINTING SHOE BUCKLES
Alfred T. Bibby and Herbert A. Dukett, Lynn, Mass.
Application October 15, 1949, Serial No. 121,484
1 Claim. (Cl. 117—104)

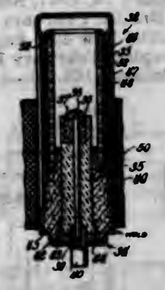


A method of painting shoe buckles of the roller and hinged tongue type which consists in depositing a mass of buckles onto a screen-like support so that the buckles are scattered over the support in a variety of positions and in irregular relation, spray-painting the exposed surfaces of the buckles by directing the spray from a variety of angles onto the mass of scattered buckles while the buckles are at rest on the support, drying the partially painted buckles without changing the relative positions of the buckles on the support, transferring the dried buckles from said support to a second screen-like support while agitating the buckles so that they are scattered in a new variety of shifted positions and in different irregular relation on the second support, again spray-painting the exposed surfaces of the new mass of scattered buckles while the same are at rest on the second support, drying the buckles on the second support, and repeating the transferring and agitating, spray-painting, and drying steps until all exposed surfaces of the buckles have been coated with paint.

2,570,094
ALKYLOLAMINE AND MORPHOLINE SALTS OF POLYMERIZED OLEFIN SULFONIC ACIDS
Harris Walton Bradley, Bellefonte Heights, Del., assignor to E. I du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 28, 1950, Serial No. 152,510
10 Claims. (Cl. 260—79.3)

6. A process of producing a film-forming, thermoplastic composition of matter which comprises reacting upon a polysulfonyl chloride of a polymerized olefine which contains in the monomeric state from 2 to 6 carbon atoms, in the presence of an aqueous alcoholic medium, with a nitrogenous base selected from the group consisting of the polyethanolamines, the polyisopropanolamines and the morpholines, whereby to effect hydrolysis of the sulfonyl chloride groups to sulfonic acid groups and neutralization of the latter in situ with said nitrogenous base.

2,570,095
MERCURY SWITCH AND RELAY
Herbert E. Bucklen, III, and Glen L. Weimer, Elkhart, Ind., assignors to Durakool, Inc., Elkhart, Ind., a corporation of Indiana
Application January 22, 1948, Serial No. 3,704
10 Claims. (Cl. 200—152)

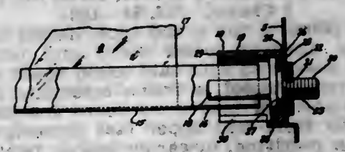


1. An electrode assembly adapted to be mounted as a unit within the outer metal shell of a mercury switch or relay comprising a hollow ceramic insulator member having a portion for retaining a body of mercury, an electrode having a portion disposed in said mercury retaining portion of said ceramic insulator member, a metal sleeve mounted to said ceramic insulator and insertable concentrically within said shell for rigid connection therewith, and insulating material fused to said ceramic member, said electrode, and said sleeve and insulating said electrode from said sleeve.

2,570,096
FACSIMILE WET ELECTROLYTIC RECORDING
Frank G. Calkin, Glen Rock, N. J., assignor, by mesne assignments, to Pierce Company, Providence, R. I.
No Drawing. Application January 9, 1947, Serial No. 721,164
1 Claim. (Cl. 204—2)

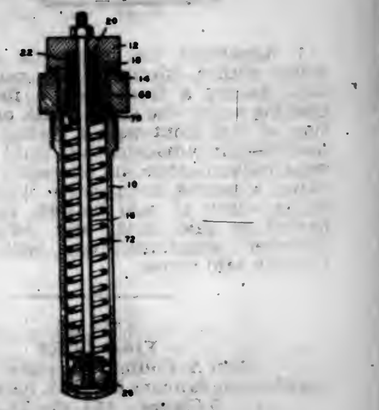
A wet electrolytic facsimile recording paper impregnated with a solution consisting essentially of a water solution of water soluble manganous sulphate, ammonium persulfate, sodium chloride and sodium nitrate in relative proportions of about 9, 9, 10 and 10 parts by weight, respectively, and adapted to be discolored by the passage of electric current therethrough.

2,570,097
SHELF SUPPORTING ARRANGEMENT
Richard J. Carbary, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 11, 1950, Serial No. 189,659
4 Claims. (Cl. 312—351)



4. A refrigerator cabinet or the like including a liner defining a food storage compartment, said liner including a rear wall and two side walls, a shelf adapted to be removably supported in said compartment, a channel member secured to the forward edge of said shelf, and means for supporting said shelf including a support mounted on said rear wall and two support assemblies each mounted on a corresponding one of said side walls at the forward edge of said shelf, said support including a bracket for engaging the bottom of said shelf and an element engaging the top of said shelf at the rear portion thereof for preventing upward movement of said rear portion of said shelf, each of said shelf support assemblies including a stud projecting into its corresponding end of said channel member and a cup-shaped member rotatably mounted on said stud and including a circumferential wall surrounding said stud and said end of said channel member, said member having an opening in said circumferential wall for permitting passage of said channel member, said cup-shaped member being rotatable between one position wherein said opening is positioned forwardly of and aligned with the forward edge of said channel member for permitting removal of said shelf and a second position wherein said opening is positioned out of alignment with said forward edge of said channel member to prevent removal of said shelf.

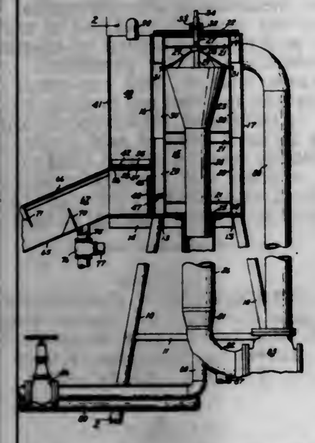
2,570,098
FLUID EXPANSION THERMOSTAT
Ragnar Carlstedt, Stockholm, Sweden
Application July 21, 1948, Serial No. 39,873
In Sweden November 19, 1943
3 Claims. (Cl. 297—6)



2. A thermostat comprising a receptacle filled with an expansible fluid, a rod in said receptacle, said rod being of comparatively small cross-section relative to that of said receptacle and extending through a wall of said receptacle, a circumferentially continuous annular packing of elastic material surrounding said rod and disposed in contact with the bottom of a recess in said wall, an axially displaceable annular element in said recess in contact with said packing, the bottom of the recess and the surface of the element contacting the packing extending in planes perpendicular to the axis of the rod, a spring acting on said element to exert compressive pressure on said packing irrespective of the axial position of said rod for effecting a fluid-tight seal between said packing, said bottom and said rod, said receptacle being provided with an abutment and said spring being located

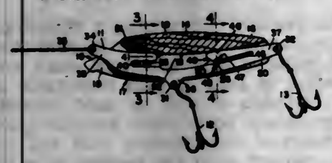
between said element and said abutment, whereby compressive pressure exerted on said packing by said spring is not affected by axial movement of said rod, and a second spring being provided for retracting said rod independently of the first-mentioned spring.

2,570,099
FORMING TOWER WITH SLIDING VALVE
Ralph Chapman, Corvallis, Oreg., assignor to Chapman Forest Utilization, Inc., Corvallis, Oreg., a corporation of Oregon
Application December 20, 1948, Serial No. 66,175
8 Claims. (Cl. 259—4)



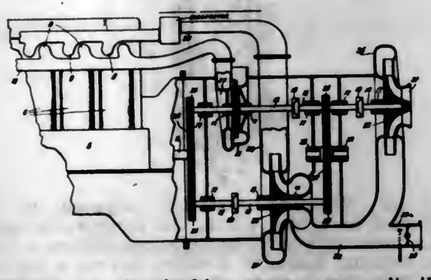
1. Apparatus for intimately mixing a pulp slurry with a diluting liquid, comprising a first tank having a front wall, a first dump valve opening across the entire width of the lower portion of said front wall, a second tank arranged immediately adjacent said front wall and having a bottom extending forwardly above said first valve, a second dump valve opening across the entire width of said bottom, and means connected to said tanks and defining a mixing chamber communicating with said tanks through said valves.

2,570,100
FISH LURE
John A. Collins, Worcester, Mass.
Application January 10, 1950, Serial No. 137,860
7 Claims. (Cl. 43—42.36)



1. In a fish lure, an elongated one piece body having head and tail ends and having a longitudinally extending vertical slot in the lower part thereof, two support elements fixed rigidly and permanently to the body and extending across said slot, one element adjacent to the head end and the other element adjacent to the tail end of the body, a fish hook holding plate in said slot having provision for attachment to a line near the head end of the body and having sliding engagement with said one element, and a resilient tongue integral with the plate having releasable clamping engagement with the other element and detachable from said other element by movement of the plate toward the tail end of the body.

2,570,101
GEARING ARRANGEMENT FOR SUPERCHARGED POWER PLANT
Stephen A. Couling, Rugby, England, assignor to General Electric Company, a corporation of New York
Application January 14, 1947, Serial No. 722,048
In Great Britain February 13, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 13, 1962
2 Claims. (Cl. 60—13)

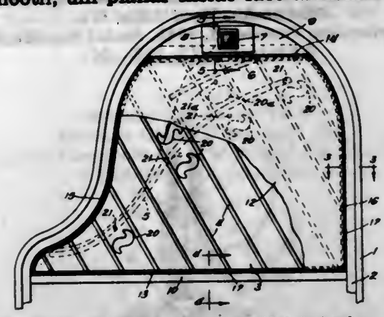


1. In an engine-turbine-compressor unit, the combination of a reciprocating internal combustion engine, a first countershaft divided into a first shaft portion carrying a gas turbine rotor, a second shaft portion, first clutch means for selectively coupling said first and second shaft portions, and a third shaft portion carrying a first compressor rotor, second clutch means adapted to selectively couple said second and third shaft portions, a second countershaft divided into a fourth shaft portion and a fifth shaft portion carrying a second compressor rotor, gearing connecting said first and fourth shaft portions at fixed speed ratios to the engine crankshaft, other gearing connecting said second and fifth shaft portions at a fixed speed ratio, third clutch means for selectively coupling said fourth and fifth shaft portions, hot gas conduit means connected to supply combustion products from the engine to the gas turbine, air conduit means connecting said first and second compressors in series and to the engine, and atmospheric vent means in said air conduit intermediate the first and second compressors, whereby said first compressor rotor can be driven to either of two gear trains for single stage supercharging and both compressors can be operated in series for two-stage supercharging.

2,570,102
PIANO RESONATING CHAMBER
Herbert O. Crippen, Sr., Chicago, Ill., assignor to Piano Cello-Tone Company, a corporation of Illinois
Application January 8, 1948, Serial No. 1,193
2 Claims. (Cl. 84—189)

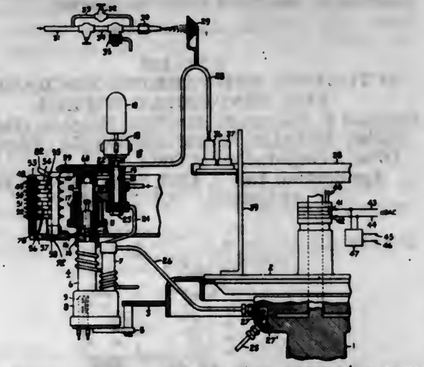
1. A piano of the grand type, having a horizontally disposed sound board and tensioned strings associated with said sound board on the upper face thereof, a frame extending around the periphery of said sound board and laterally upwardly from said upper face thereof, and a panel in overlying, upwardly spaced relation to said sound board and strings and peripherally secured to and supported by said frame, said

panel cooperating with said sound board and frame to form a chamber, and said panel having a smooth, uni-planar inside face area and there



being provided an opening to the interior of said chamber whereby the latter is adapted to function as a resonating chamber to improve the tone quality and volume of the piano.

2,570,103
EVACUATING AND GAS CHARGING APPARATUS
Charles T. De Groat, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application July 16, 1946, Serial No. 686,127
10 Claims. (Cl. 226—20.6)



1. Evacuating and gas charging apparatus comprising an evacuating pump, a conduit connected with the low pressure side of said pump and including a fitting adapted to connect with a device to be evacuated and charged with gas, a solenoid valve in said conduit, means for injecting gas into said conduit between said valve and said fitting including a wall surface of material which is pervious only to the gas to be injected, means for closing said solenoid valve, means for subjecting said surface to said gas, and means responsive to the pressure of gas within said conduit for terminating the operation of said last mentioned means.

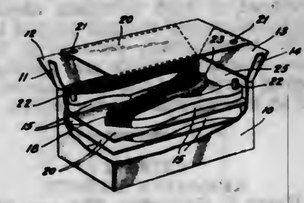
2,570,104
LAMP SOCKET FOR ELONGATED TUBULAR DISCHARGE LAMPS
Frank C. De Reamer, Bridgeport, and John M. Pistey, Fairfield, Conn., assignors to General Electric Company, a corporation of New York
Application July 28, 1945, Serial No. 607,622
5 Claims. (Cl. 173—328)

1. In a lamp holder for an elongated tubular lamp having a single contact pin at each end comprising a pair of spaced sockets, the first of said sockets having spring biased means adapted to exert axial pressure against a lamp inserted in the socket to urge the opposite end of the lamp into the second socket, the improvement comprising ejector means in said second socket



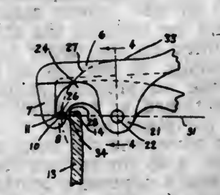
including a lever pivoted on said second socket and having an arm extending into the interior thereof and a second arm extending outside thereof adapted to be manually operated for urging a lamp out of said second socket and farther into the first socket against the action of said spring means.

2,570,105
BRUSH PACKAGE
Paul A. Fryda, West Allis, Wis.
Application September 19, 1949, Serial No. 116,441
1 Claim. (Cl. 206—65)



A package including brushes having eye openings in the handle ends thereof and arranged in layer formation, two brushes to a layer, a plurality of rectangular sheet spacers having a diagonally opposed pair of apertures arranged cornerwise in each spacer, the said brush layers being alternated with respect to the sheet spacers, a pair of dowels freely vertically held in the eyes in said brushes and said spacer's apertures, and a box container enclosing said elements.

2,570,106
OPHTHALMOLOGIST'S PLIERS
Louis L. Gagnon, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 4, 1947, Serial No. 739,331
2 Claims. (Cl. 81—3.6)



1. A device of the character described comprising a pair of longitudinal members each having a hand grip portion adjacent one end, a laterally extending portion adjacent their opposed end, and an intermediate portion for pivotal connection with the intermediate portion of the other member, one of said laterally extending portions

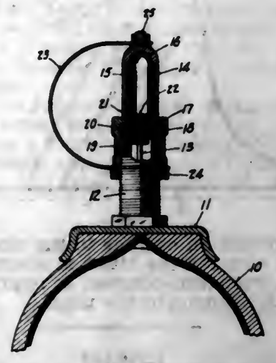
having a side surface disposed substantially normal to the longitudinal axis of said member and terminating in a substantially normally disposed hook shaped end portion having a gripping surface facing said longitudinal axis, and the other of said laterally extending portions terminating in an end portion having a gripping surface facing the gripping surface of the hook shaped end, said gripping surfaces being in the form of oppositely disposed grooves, the opposed side edges of which are disposed adjacent the opposed sides of the end portions of the laterally extending portions so as to encompass substantially the entire width of said facing end portions, and with said groove-like gripping surfaces extending in a direction transversely of the longitudinal axis of said member and adapted to assume a substantially aligned relation when the said gripping surfaces are substantially in engaged relation, said groove-like gripping surface of the hook shaped end being in adjacent relation with said normally disposed side surface of the laterally extending portion whereby said side surface will function as means for substantially aligning said article with said gripping surface of the hook shaped end portion when the gripping surfaces are moved toward each other, and connection means pivotally connecting together the intermediate portions of said longitudinal members for movement of said members about an axis disposed substantially normal to and to lie on a line drawn substantially parallel to the above-mentioned longitudinal axis and passing through the gripping surface of the hook shaped end portion and in spaced relation therewith.

2,570,107
ABRASIVE DEVICE
Harry U. Gallagher, Chicago, Ill.
Application December 29, 1949, Serial No. 135,685
2 Claims. (Cl. 51—109)



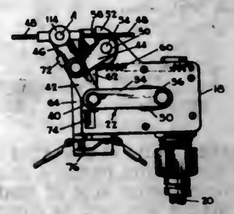
1. A rotary abrasive device comprising: a housing including a planar work supporting surface, said surface having an arcuate opening therein; a shaft supported adjacent said surface and at an angle of less than 30 degrees to a perpendicular to said surface; power means supported by said housing for rotating the shaft; an abrasive wheel mounted on the upper end of said shaft at substantially 90 degrees to said shaft, said wheel having an annular radial abrasive face surface positioned at an angle of less than 30 degrees to the plane normal to the axis of rotation of said wheel and the same as the first mentioned angle, with the surface facing away from said shaft and a depressed portion in the center of said wheel adjacent said abrasive surface, said inclination of said shaft being sufficient to rotate successive portions of the abrasive surface into positions substantially parallel to said planar surface and extending through said arcuate opening, with the work support surface masking the remainder of said abrasive surface and the corresponding portions of said depression.

2,570,108
SOFT TIRE INDICATOR
Charles Gallot, Milwaukee, and Arthur G. Olscheske, West Allis, Wis.
Application October 4, 1945, Serial No. 620,364
9 Claims. (Cl. 116—34)



1. A soft tire indicator comprising the combination of a radially expansible fluid pressure container, means for detachably mounting the same on a tire valve stem with the interior of said container exposed to the fluid pressure in the tire, and indicating means including an element engaging said container and releasably retained thereon by the fluid pressure therein.

2,570,109
ACTUATING AND PARKING MECHANISM FOR WINDSHIELD WIPERS
Reynold F. Gamundi, Mayfield Heights, Ohio, assignor to Eaton Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application July 7, 1949, Serial No. 103,367
10 Claims. (Cl. 74—40)



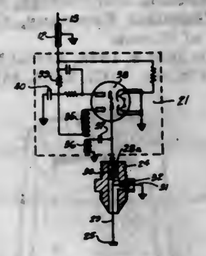
1. Mechanism for operating a member requiring oscillatory motion comprising a rotary power output means, a motion transmitting and converting means driven thereby comprising a series of interconnecting links and levers for normally delivering an oscillating motion at the output therefrom, a member pivotally connected to an output lever of the motion transmitting and converting means adapted to be actuated thereby with oscillating motion, said lever having a fixed reaction point for the normal operative transmission of oscillation to the member, resilient means acting on the output lever, manually actuated means engageable with the resilient means normally resisting the load of the resilient means, effective upon the movement thereof to remove resistance to the resilient means and to permit the resilient means to act on the output lever to alter the reaction point of the output lever and means engageable with the output lever for fixedly positioning the pivot point of connection between the output lever and the member for effectively inhibiting the transmission of any oscillatory motion from the output lever to the member during the input of rotary motion to the motion transmitting and converting means.

2,570,110
IRONING PAD COVER
Herbert Glatt, Newark, N. J.
Application June 29, 1950, Serial No. 171,145
2 Claims. (Cl. 38—140)



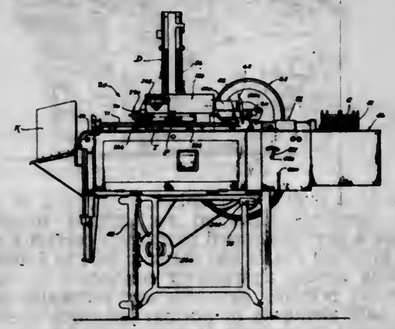
1. An ironing pad cover on the surface of which the ironing may be done directly, comprising a fabric textile sheet, a smooth film containing a polyvinyl butyral plastic applied to the upper surface thereof, said plastic being stable against decomposition and softening at severe ironing temperatures, a heat-reflective pigment incorporated in said plastic in an amount sufficient to reflect about 50% to 70% of the heat impinging upon the surface of the pad cover, and uniformly-distributed holes penetrating said fabric textile sheet and said plastic film, said holes having a diameter of about 0.026" to 0.11".

2,570,111
APPARATUS FOR DETERMINING THE CHARACTER OF FLUIDS WHICH ARE PRESENT IN WELL BORES
Ralph W. Goble, Long Beach, Calif., assignor to Eastman Oil Well Survey Company, Denver, Colo., a corporation of Delaware
Application November 21, 1947, Serial No. 787,390
7 Claims. (Cl. 175—182)



2. An apparatus for determining the character of fluids within a well bore which includes, a measuring instrument having spaced electrodes thereon adapted to be lowered within the well bore, whereby the fluid therein is encountered by said electrodes and creates an electrical resistance therebetween, an electrical transmitter mounted in the measuring instrument and having means for generating and transmitting electrical pulses, said electrodes being electrically connected in the transmitter circuit, means for utilizing the resistance formed by the fluid encountered by the electrodes for varying the electrical characteristics of the transmitted pulses, whereby the variations in said pulses as produced by different fluids, are representative of the variations in the character of said fluid, electrical resistance means connected in the electrical connection between the electrodes and the transmitter circuit for regulating the upper and lower limits of resistance across the transmitter circuit whereby operation of the transmitter is assured in the event that the resistance value of the fluid encountered by the electrodes falls below or exceeds a predetermined value, means for conducting the electrical pulses to the surface, and means at the surface for transposing the variations in the electrical pulses into visible indications which are representative of the character of the various fluids encountered by the electrodes of the measuring instrument.

2,570,112
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Application April 10, 1945, Serial No. 587,579
10 Claims. (Cl. 235—60.31)



2. In a machine for producing business instruments and the like, means affording a table top having a sensing station and a printing station thereon, a printing device guideway along which printing and control devices, each embodying control means and printing means, may be advanced one by one to sensing station and printing station in succession, means affording a sheet guideway along which sheets may be advanced into and out of printing station, impression means at said printing station for forming printed impressions from printing devices onto sheets located at said printing station, punching means defining a punching station in said sheet guideway, an accumulating unit controlling said punching means, set up means for said accumulating unit, sensing means at said sensing station operatively associated with said set up means for setting up said accumulating unit in accordance with the control means of such printing devices as they are sensed by said sensing means, means for driving said accumulating unit including a one-revolution clutch, means operated by said accumulating unit for actuating said punching means in each cycle of operation of the accumulating unit, means for supporting a supply of sheets, sheet separating means driven from said accumulating unit and operable to discharge sheets into said sheet guideway, stop finger means for stopping such sheets in punching position, means for operating said stop finger means driven from said accumulating means, stop finger means for stopping such sheets at printing position, means for operating said last mentioned stop finger means operable in timed relation to said impression means, total control

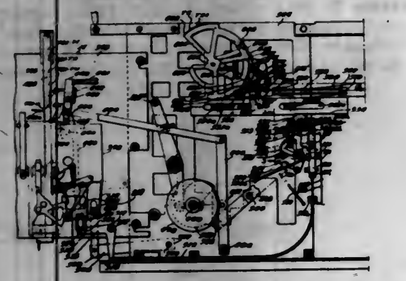
means for said accumulating unit, normally ineffective means operable when effective to eject a sheet from said sheet guideway between said punching station and said printing station, and means operated by said total control means for rendering said ejecting means effective.

2,570,113

ZERO SUPPRESSING MEANS FOR PRINTING MACHINES

Walter T. Gellwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware

Original application October 27, 1941, Serial No. 416,745. Divided and this application February 16, 1946, Serial No. 648,074
2 Claims. (Cl. 101—93)



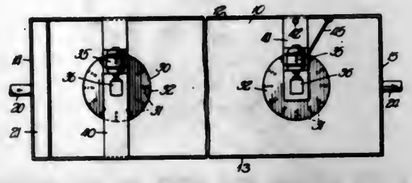
2. In a printing machine, a plurality of printing elements mounted for setting movement, along a predetermined path each carrying means for printing numerical digits from 1 to 9 and zero, setting means operatively connected to the respective printing elements and normally disposing said elements in normal positions such that zero may be printed therefrom and said setting means being operable to selectively set said elements in positions for printing significant digits from 1 to 9, a plurality of printing hammers operatively related to the respective printing elements and shiftable through retracting and printing strokes between retracted positions and advanced positions, spring means urging said printing hammers toward said advanced positions, a common restoring member for moving all of said printing hammers to said retracted positions, a common hammer latch effective to latch all of said hammers in said retracted positions and to release the same for movement through printing strokes to their advanced positions, said printing elements having cam surfaces formed thereon each affording a dwell surface and each including a cut-away portion at one end of such dwell surface to afford a leading surface, a plurality of individual control latches each having a follower arm and a latching arm, means pivotally supporting said control latches in positions such that said follower arms are normally disposed within the cut-away portions of the related printing elements when such printing elements are in said normal positions and are engaged and moved by said leading cam surfaces to released positions and when the related printing elements are shifted from said normal positions thereof, spring means acting individually on said latches to urge said follower arms thereof toward and into engagement with the related cam surfaces, and said latching arm of each latch being engaged with the related hammer when such latch is in its normal position to retain the related hammer in its retracted position, and means on the respective latches effective when a latch in a particular order is shifted to its released position to release the latch members in all lower orders.

2,570,114

COAGULATING APPARATUS

Walter H. Green, Geneva Township, Kane County, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Original application September 3, 1947, Serial No. 771,968. Divided and this application August 29, 1949, Serial No. 112,856
6 Claims. (Cl. 259—6)



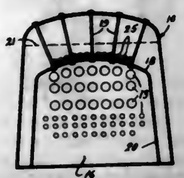
1. Coagulating apparatus comprising a basin, an inlet into said basin, an outlet from said basin remote from said inlet and establishing the normal liquid level in said basin, and a rotor interposed in the path of flow from said inlet to said outlet, said rotor comprising a power driven rotatable shaft extending vertically in said basin, a horizontal plate affixed to said shaft and having a diameter substantially less than the diameter of said basin, and at least twelve vertical blades rigidly mounted on the underside of said plate and extending inwardly from the periphery of said plate only partway to the center of said plate, the underwater length of said blades being greater than their width, the number of said blades being such that the maximum peripheral distance between individual blades is within the range of from about 15 to about 20 inches.

2,570,115

METHOD AND APPARATUS FOR CONDITIONING WATER

Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois

Application July 6, 1946, Serial No. 681,757
3 Claims. (Cl. 252—361)



1. For the prevention of foaming in a steam boiler having a boiler wall part utilized for heat transfer to a body of boiler water contained in said boiler, the combination with said boiler wall part of a plurality of bars disposed in the immediate vicinity of said boiler wall part and formed with indentations capable of forming gas pockets in a layer of superheated water established and maintained immediately above said boiler wall part, said gas pockets being adapted to function as nuclei for the generation of steam bubbles which on rising through said layer of superheated water will provide for the evaporation of additional steam.

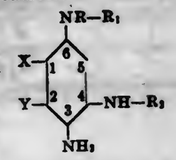
2,570,116

COLOR DEVELOPERS FOR THE PRODUCTION OF AZINE DYE IMAGES

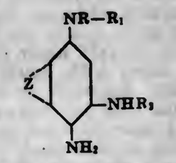
Robert C. Gunther, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application June 28, 1949, Serial No. 101,913
13 Claims. (Cl. 95—88)

1. A photographic developer comprising an alkaline aqueous solution of an alkali metal sulfite and a compound selected from the class of the following constitution:



and



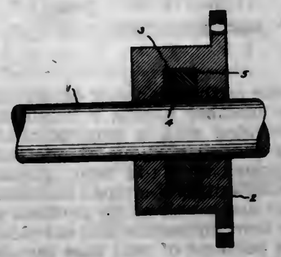
wherein R is selected from the class consisting of hydrogen and alkyl, R_1 is selected from the class consisting of alkyl, carboxyalkyl, hydroxyalkyl, aryl, carboxyalkylaryl, carboxyalkoxyaryl, hydroxyalkylaryl and hydroxyalkoxyaryl, R_2 is an alkyl group substituted by a hydroxyl group, X and Y are selected from the class consisting of hydrogen, alkyl, sulfo and carboxy, and Z represents the atoms necessary to complete a 6-membered isocyclic ring.

2,570,117

SHAFT BEARING

Eric A. Hallstrand, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application January 31, 1946, Serial No. 644,554
2 Claims. (Cl. 308—36.1)



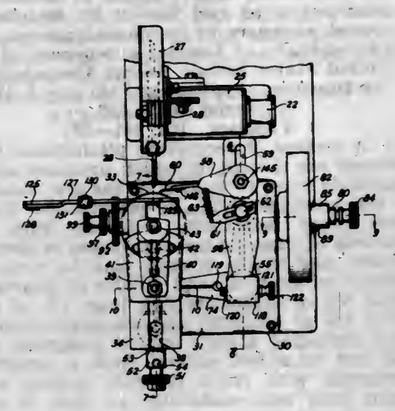
1. In combination, a rotatable shaft of circular cross section, a journal bearing element closely surrounding said shaft and having an internal annular recess of rectangular cross section, an annular sealing gasket of oil-resistant synthetic rubber having a circular cross section and positioned within said recess, said gasket having a cross-sectional diameter slightly greater than the depth of said recess and forming an annular pressure seal between said shaft and bearing element, and a body of lubricant substantially filling the voids in said recess and forming an additional pressure seal between said shaft and bearing element.

2,570,118

AUTOMATIC GRINDER FOR SMALL CIRCULAR SAWS

Henry Anton Hamberger, Rochester, N. Y.

Application December 14, 1948, Serial No. 65,156
8 Claims. (Cl. 76—43)



3. In a machine for grinding circular saw teeth, the combination comprising a grinding wheel, a driving means operatively connected to said grinding wheel and for imparting rotation thereto, a support means for maintaining said saw in a plane perpendicular to the plane of said grinding wheel, an indexing means adapted to engage the teeth of said saw, a rotatable means including an arm operatively connected to said support means and a second arm for supporting said indexing means, said arms being arranged substantially perpendicular to each other, a shaft operatively connected to said drive means and rotatable thereby, an actuating means pivotally mounted on said shaft and operatively connected to said rotatable means for oscillating said arms through equal angles as determined by said actuating means for simultaneously imparting a reciprocating motion to said support means for moving said saw into and out of engagement with said grinding wheel and an oscillating motion to said indexing means for intermittently rotating said saw upon movement of said saw away from said grinding wheel, and a member movable axially of said shaft and pivotally connected to said actuating means for varying the angular relation of said actuating means to said shaft and thereby varying the angular oscillation of said rotatable means.

2,570,119

RECOVERY OF CARNOTITE FROM ITS ORES

Robert W. Handley, Denver, Colo., and Carl W. Sawyer, Butte, Mont.; Mabel P. Handley, administratrix of said Robert W. Handley, deceased, assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application February 3, 1949, Serial No. 74,485
7 Claims. (Cl. 241—20)

1. A process of recovering carnotite from its siliceous ores which comprises subjecting said ores to flotation in the presence of a long chain fatty acid containing at least 10 carbon atoms and a high molecular weight primary aliphatic amine reagent containing at least 8 carbon atoms.

2,570,120

PROCESS FOR RECOVERY OF PITCHBLENDE AND SIMILAR URANIUM MINERALS FROM ORES OF SAME BY SPECIAL FLOTATION PRACTICE

Robert W. Handley, Denver, Colo., and Carl W. Sawyer, Butte, Mont.; Mabel P. Handley, administratrix of said Robert W. Handley, deceased, assignors, by mesne assignments, to the United States of America as represented by the United States Atomic Energy Commission

No Drawing. Application February 3, 1949, Serial No. 74,486
5 Claims. (Cl. 241—20)

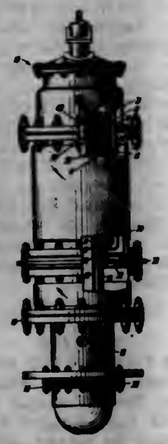
1. A process of recovering pitchblende from a siliceous ore thereof, in which uranium minerals constitute from 10 to 20% of the ore, about 90% of the uranium occurs as pitchblende, the balance being principally autunite, with small amounts of uranophane and traces of meta-torbernite also being present and in which the gangue minerals consist chiefly of quartz with about 5% of muscovite, less than 1% of pyrite, about 1% of limonite, and traces of other minerals including apatite, which comprises giving said ore in a wet ground state a preliminary treatment with ferric chloride, adding a long chain fatty acid containing at least 10 carbon atoms and a primary aliphatic amine containing at least 4 carbon atoms to an aqueous pulp of said ore, and subjecting said ore pulp to flotation at a pH of 7.5 to 8.

2,570,121

NONDEFORMING LAMINATED ELECTRODE SUPPORT AND ELECTRON DISCHARGE DEVICE

Willis E. Harbaugh, Bareville, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application May 26, 1949, Serial No. 95,442
17 Claims. (Cl. 313—278)



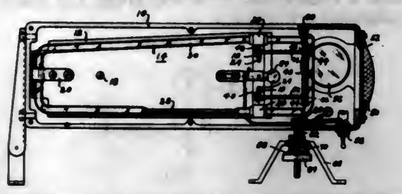
3. An electron discharge device, comprising at least two co-acting electrodes, support means for each of said electrodes, the support means associated with at least one of said electrodes including a plurality of readily deformable elongated laminations in stacked array, said laminations being interconnected adjacent the ends thereof and forming substantially solid blocks at each end of said stack, one of said blocks being connected to said support means and the other of said blocks being connected to said one electrode, and said support means further including resilient means for maintaining said one electrode in tension.

2,570,122

LEVELING AND CONTOURING APPARATUS

Frederick W. Heckert and Harry W. Lake, Dayton, Ohio

Application April 1, 1949, Serial No. 84,859
5 Claims. (Cl. 33—209)



1. In a level, an outer housing, an inner frame, means for supporting said inner frame within said outer housing, a tube, means for adjustably supporting said tube on said inner frame, said tube being partially filled with liquid and having a pair of vertically disposed portions connected into a continuous loop by means of upper and lower connecting tube portions, one of said vertical portions being shorter than the other vertical portion, a scale disposed adjacent the longer of said vertical portions, and bimetallic thermostatic means secured to said inner frame and having freely movable portions constituting the sole means for supporting said scale, said thermostatic means serving to adjust the position of said scale relative to said liquid so as to compensate for changes in the volume of liquid resulting from temperature changes.

2,570,123

DEVICE FOR FACILITATING THE CHECKING OF STORAGE BATTERIES

George F. Heine, Ferndale, Mich.

Application April 1, 1950, Serial No. 153,437
2 Claims. (Cl. 136—177)



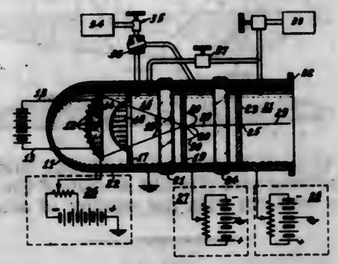
1. A device of the character described comprising a base member having a longitudinal main portion provided with a longitudinfial slot and having lug-shaped portions at one end, a cover member formed of a rod bent intermediate its ends to a substantial U-shaped formation to provide a bight and a pair of leg portions whose terminals are bent outwardly and extended into the lug-shaped portions of said base member, a plurality of ring members each of which has a top portion and a main portion whose outer diameter is smaller than that of the top portion having their main portions extended through the slot in said base member, and a plurality of plugs having lower portions that fit into said rings and upper portions provided with annular grooves opposite sections of which are engaged by opposite leg portions of said cover member, ring members having at their main portions external threads adapted for engaging the threaded openings in the top of a storage battery, and said plugs being provided with vertical bores extended therethrough.

2,570,124

POSITIVE ION BEAM GUN

Karl Gerhard Hernqvist, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application October 20, 1949, Serial No. 122,516
14 Claims. (Cl. 313—230)



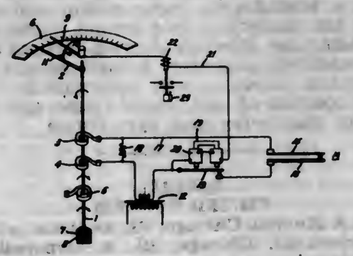
1. Apparatus for producing a beam of ions comprising: a substantially field-free ionization chamber having a large electron permeable area in one of its walls and a small beam-defining orifice in its opposite wall; a gaseous medium in said chamber; means including a large-area concave emissive surface facing said electron-permeable area for projecting electrons from said surface into said chamber in such directions that they tend to form a thick electron beam having a sharp apex at said orifice whereby in the operation of the apparatus positive ions are produced in said chamber by ionization of said medium, and are entrapped by electrons therein neutralizing their space charge to allow said electron beam to be formed with said apex; means for drawing out of said chamber through said orifice positive ions entrapped in said apex and means for focusing said withdrawn ions into a thin beam.

2,570,125

INTERLOCKING SIGNALING SYSTEM FOR ELECTRICAL INDICATING INSTRUMENTS

Stephen C. Hoare, Manchester, and Almon J. Corson, Marblehead, Mass., assignors to General Electric Company, a corporation of New York

Application November 26, 1949, Serial No. 129,674
7 Claims. (Cl. 177—311)



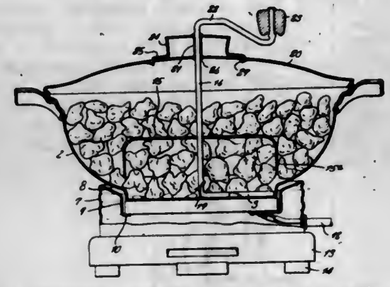
1. An electrical measuring instrument including a pointer which is deflected to indicate the measurement produced, a contact carried by said pointer, a second contact adjustable along and in the path of movement of the pointer carried contact, a measurement energizing circuit for said instrument, an alarm circuit which is operatively energized and deenergized only by the closing and opening of said contacts, and electrical means in said alarm circuit which when energized through the closure of said contacts modifies the current flowing in said instrument measuring circuit in a direction to increase such contact pressure and serving through the resulting change in energization of said instrument as an electrical interlock to maintain said contacts closed.

2,570,126

POPCORN POPPING DEVICE

Charles B. Hobbs, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a corporation of Illinois

Application April 5, 1948, Serial No. 18,979
4 Claims. (Cl. 99—238.1)



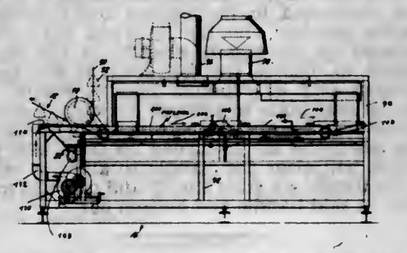
3. A popcorn popper including a heating surface, a popcorn container having a bottom adjacently positioned over said surface and surrounded by a side wall that flares upwardly away therefrom in all transverse directions, a cup-like member having a rim shaped to substantially register with the periphery of said surface, and means for positioning said member over and downwardly facing said bottom with said rim registered with said periphery and vertically movable freely between positions respectively permitting and preventing the passage of popped popcorn between said rim and the inside of said container.

2,570,127

APPARATUS FOR DEEP FAT COOKING

Herbert Thomas Hunter, Baltimore, Md., assignor to Doughnut Corporation of America, New York, N. Y., a corporation of New York

Application April 13, 1948, Serial No. 20,675
6 Claims. (Cl. 99—352)



1. In apparatus of the character described for deep fat cooking, a former, a proofer, and a deep fat cooking kettle, the former being in communication with the proofer at one end thereof, the proofer at the other end thereof being in communication with the fryer, a carrying device adapted to support trays bearing the raw shaped articles to be cooked from the former through the proofer and into the kettle, the carrying device moving downwardly towards and into the kettle, and rearwardly therefrom towards the former, means in the kettle to move the articles to be treated lengthwise thereof from the end

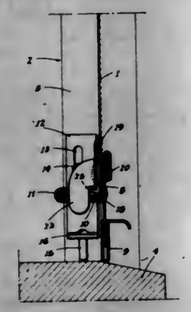
thereof associated with the proofer to the opposite delivery end thereof, and air blast means to move the articles to be cooked into the path of the moving means in the kettle.

2,570,128

LOCK FOR FRAMELESS WINDOW SCREEN TENSIONING DEVICES

Jack H. Jensen, San Leandro, Calif., assignor to Ry-Lock Company, Ltd., San Leandro, Calif., a corporation of California

Application September 29, 1950, Serial No. 187,531
1 Claim. (Cl. 160—328)



A tensioning and locking device for a frameless window screen having a transverse bottom bar adapted to extend across a window case, and a manipulating handle on the bottom bar comprising a leg rigid with and projecting horizontally inward from the bar, and a member extending lengthwise of the bar from the inner end of said leg; said tensioning and locking device comprising a vertical plate secured on and extending laterally from the window case to overhang said handle leg the latter having an angular notch cut in its upper surface adjacent the bottom bar, and the lower edge of the plate being formed with an up-turned angular lip to engage in said notch when the screen is tensioned, and a locking member comprising a base element disposed flatly against and pivoted on the plate above the lip, and an elongated finger tab projecting inwardly from the base and terminating at one end at one edge of the base, the tab being of a width and positioned to fit between the longitudinal handle member and the lip when the latter is engaged in the notch whereby if the base is turned to dispose the tab down it will project between said longitudinal handle member and the vertical plate to prevent outward movement of said member and the bottom bar of the screen; and when the tab is turned up from said position it will clear the handle to allow of release of the handle leg from the lip and outward movement of said handle and bottom bar.

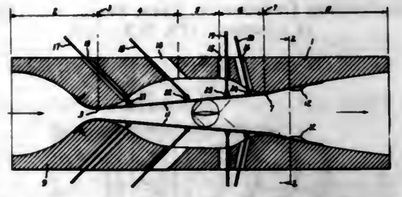
2,570,129

SUPERSONIC WIND TUNNEL

Robert H. Johnson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 18, 1948, Serial No. 44,936
6 Claims. (Cl. 73—147)

1. A two-dimensional, two-throated supersonic wind tunnel comprising mating nozzle blocks of preshaped contour and connection side walls defining with said blocks a fluid flow passageway, a flexible wall attached to each nozzle block in advance of the first throat and following the contour of said nozzle block substantially to the first throat in said tunnel, said flexible wall then initially running straight and diverging at a constant slope downstream of said first



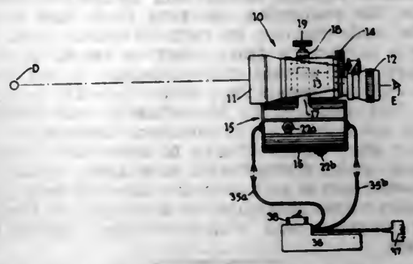
throat at least to the second throat, and means for deforming said straight section of the flexible walls to conform with the contour of said nozzle blocks.

2,570,130

GYROSTABILIZED SIGHTING INSTRUMENT

Theodore W. Kenyon, Huntington, N. Y., assignor to Kenyon Gyro & Electronics Corporation, Huntington, N. Y., a corporation of New York

Application April 8, 1950, Serial No. 154,789
3 Claims. (Cl. 74—5.22)



1. In combination with a sighting device, a tubular casing, a securing member attached to said casing and means thereon for attaching it to said sighting device to maintain said casing with its axis parallel to the sighting axis of said device, a gyro frame within said casing, means for supporting said frame within said casing for rotation about a horizontal axis, a rotor rotatively supported by said frame for rotation about an axis perpendicular to the axis of rotation of the frame, a second gyro frame within said casing, means for supporting said second frame within said casing for rotation about a vertical axis, a rotor rotatively supported by said second frame for rotation about an axis perpendicular to the axis of rotation of said second frame, and spring restraint means for each gyro frame.

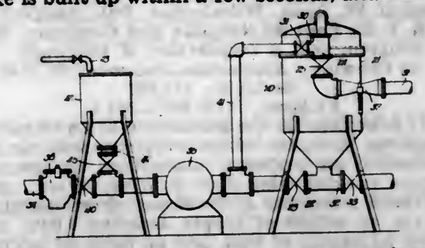
2,570,131

FILTER SYSTEM

Robert J. Koupal, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Application March 30, 1946, Serial No. 658,441
3 Claims. (Cl. 210—11)

2. A method of operating a swimming pool filter system comprising continuously pumping unfiltered pool water through the filter cake of a diatomite filter and thence back to the pool until backwashing of the filter becomes necessary, then pumping unfiltered pool water in reverse direction through the filter and thence to waste until the filter cake is washed off and the filter cleaned, then forming a new filter cake on the filter by rapidly discharging the entire material for the new filter cake into the filter, whereby said filter cake is built up within a few seconds, and simul-



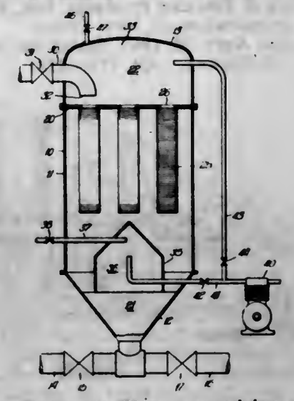
taneously therewith resuming said pumping of unfiltered pool water through said filter to the pool.

2,570,132

FILTER

Robert J. Koupal, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Application September 13, 1949, Serial No. 115,440
6 Claims. (Cl. 210—184)



4. In a diatomite filter comprising a casing, a partition across said casing separating a lower inlet chamber from an upper outlet chamber, a passageway through said partition, an inlet into the lower part of said inlet chamber, an outlet from said outlet chamber, the intake of said outlet being substantially spaced from the top of said outlet chamber, and a drain from the lower portion of said casing, a filter element having a permeable wall, said permeable wall being fixed to said partition in liquid tight relationship and in such manner as to register with said passageway, a hood-like wall in said inlet chamber spaced below said filter element and above said inlet, an outlet conduit from the space under said hood to outside said casing, a valve on said outlet conduit, a gas inlet conduit discharging under said hood, a second gas inlet conduit discharging into the upper portion of said outlet chamber, and a compressor connected to said gas inlet conduits.

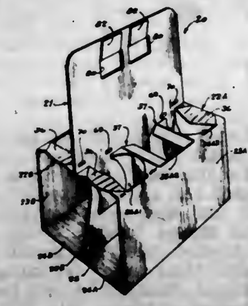
2,570,133

BOTTLE CARRIER

Michael H. Kowal, Clifton, N. J., assignor to Empire Box Corporation, Garfield, N. J., a corporation of Delaware

Application April 20, 1946, Serial No. 663,719
1 Claim. (Cl. 224—45)

A pre-formed collapsible bottle carrier formed from cardboard or like material and adapted to receive bottles of predetermined height and comprising, when in its collapsed condition, side walls, a bottom wall formed in two sections foldably joined along adjacent edges and along other fold lines to corresponding edges of said side walls and disposed in an inverted V-shape formation between said side walls, a handle portion comprising a pair of panels disposed in face to face relation, and bottle receiving sections extended between the other edges of said side walls and the respective panels of said handle portion whereby the handle portion is disposed above said bottom wall and in substantially aligned relation therewith, said bottle receiving sections having bottle receiving openings therein, said handle portion including a part which may extend above the tops of bottles of said predetermined height that are disposed in said bottle receiving openings and rested on said bottom wall when the carrier is erected, said part having a handle opening therein, a weight supporting panel foldably connected along its lower edge to said bottom wall and extended between said handle panels, said weight



supporting panel having horizontally projecting ears formed at its opposite edges and also having a pair of vertically extended slots formed therein at spaced points between said projecting ears, and means including fastening elements extended between said handle panels and cooperating with said projecting ears and said slots of said weight supporting panel to afford a lost-motion weight-supporting connection between said handle portion and central portion of said bottom wall and effective when said carrier is erected and said handle portion is elevated to directly support said weight supporting panel at four spaced points to thereby effectually support said central portion of said bottom wall and also enabling the upper free end of said handle portion to be moved downwardly substantially into alignment with the tops of the bottles whereby said part of said handle portion may be depressed so as not to interfere with the stacking of one bottle carrying carrier of the aforesaid character directly over and upon the tops of another such carrier.

2,570,134

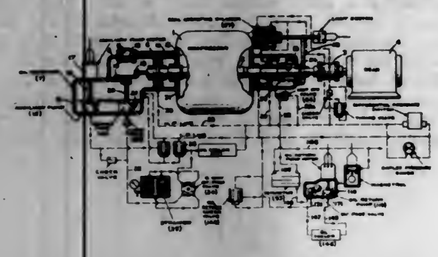
DEGASIFYING MEANS IN THE LUBRICATION SYSTEM OF ELASTIC FLUID COMPRESSORS

John E. Lancaster, New York, N. Y., and Max Haeberlein, Maplewood, and Everett C. Schmachtenberg, Short Hills, N. J., assignors to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application June 1, 1949, Serial No. 96,438
11 Claims. (Cl. 230—207)

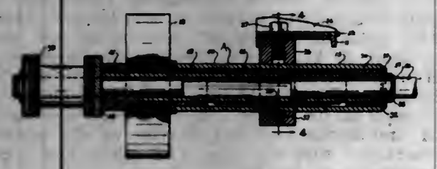
1. In an elastic fluid compressor having a casing, a rotor shaft extending through openings

on either side of said casing, a thrust bearing and a line bearing outwardly of said casing to support the rotor shaft, and a lubrication system including a fully enclosed reservoir about said thrust bearing and mounted to said casing in substantially air tight engagement, a service pump in said reservoir, said service pump connected to and operated by the rotor for delivering lubricant at high pressure to said lubrication system, means connecting said reservoir to the suction side of the compressor, and means for conducting high pressure lubricant to said line bearing, the combination with said lubrication system of, a first chamber between said line



bearing and said casing communicating with the fluid being compressed, a second chamber outwardly of said line bearing, said line bearing being constructed and arranged to deliver lubricant fluid to said first and second chambers, means for returning mixed lubricant and fluid being compressed to said reservoir, means for degasifying, rehabilitating and returning lubricant from said second chamber to said reservoir, and means connected between said last mentioned means and said second chamber normally maintained open when lubricant at high pressure is being delivered to said line bearing to collect lubricant from said second chamber and pass it to said last mentioned means.

2,570,135
MOVING STAIRWAY
Robert F. Loughridge, Fort Worth, Tex.
Application July 19, 1948, Serial No. 39,399
9 Claims. (Cl. 198—16)

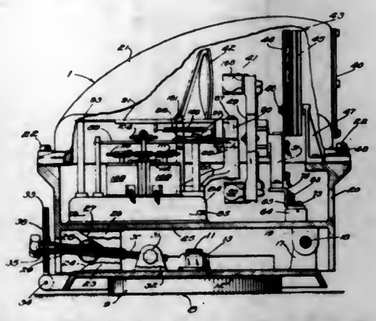


4. A step for a moving stairway including, truck bolsters, riser means, bracket means, a tread connected to the bolsters by the riser and bracket means, an axle having wheels carried by the riser ends of said bolsters, a sectional axle at the opposite ends of said bolsters and including a telescoping sleeve assembly connected to each bolster, and a shaft extending between the assemblies and having its ends rotatably and removably supported therein, the shaft being of a length less than the distance between the outer ends of said assemblies so as to permit inward removal of said shaft upon relative telescoping movement.

2,570,136
INFRARED PHOSPHORS
Donald W. Lyon, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 22, 1949, Serial No. 134,601
9 Claims. (Cl. 252—301.4)

1. A process for the production of an infrared-sensitive phosphor which comprises heating together in an oxidizing atmosphere, at temperatures ranging from 800° C.–1300° C. and until infrared sensitivity is developed, from 0.0001 to 0.01% by weight of copper, between 0.03% and 3.0% by weight of lead, and an oxide of calcium with a stoichiometric proportion of a compound selected from the group consisting of an oxide of an element from the group aluminum, molybdenum, silicon, tin, titanium and vanadium, and a compound of said elements which yields an oxide during said heating.

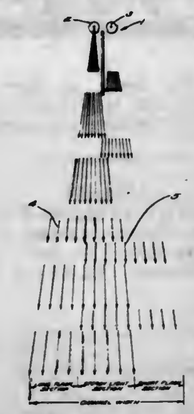
2,570,137
SINGLE STATION RANGE LIGHT APPARATUS
John R. MacKay, Packanack Lake, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application April 18, 1947, Serial No. 742,419
15 Claims. (Cl. 177—352)



1. Single station range light apparatus for visually indicating to an observer his position in respect to the center of a predetermined channel, comprising at least one source of visible light located substantially in a vertical plane containing the center of said channel and substantially in prolongation thereof, light beam directing means associated therewith for directing beams therefrom with their center lines in predetermined directions and having predetermined restricted lateral angular spread about said center lines down each side of said channel respectively, said light beam directing means including lens means for predetermining the lateral spread of said beams, means for independently adjustably locating the sector illuminated by each of said beams by adjustably varying the position of said center lines in coordination with the center and lateral outside safe limits of said channel to restrict said beams to predetermined portions of said channel considered safe for use, and programming means independent of said locating means for automatically controlling the time periods during which a visible light beam is directed down one side of said channel and for similarly controlling substantially complementary time periods during which a visible light beam is directed down the other side of said channel, said programming means being constructed and arranged to provide dissimilar and characteristic

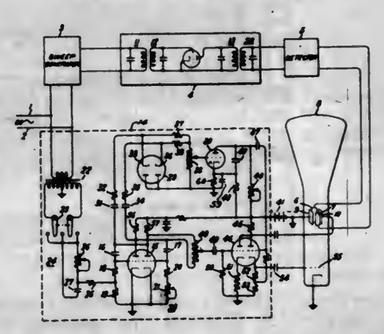
intermittent periods of illumination and darkness on opposite sides of said channel respectively, whereby an observer may visually ascertain on which side of the center of said channel he is located.

2,570,138
SINGLE STATION RANGE LIGHT APPARATUS
John R. MacKay, Packanack Lake, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application August 22, 1947, Serial No. 770,072
2 Claims. (Cl. 177—352)



1. Single station range light apparatus for visually indicating to an observer his position in respect to the center of a predetermined channel, comprising two electrically actuated sources of visible light located adjacent to one another and both located substantially in a predetermined plane containing the center of said channel and substantially in prolongation thereof in said plane, means for limiting the areas illuminated by said sources of light substantially to the respective sides of said channel but with an overlap zone substantially at the center of the channel included in the areas respectively illuminated by said light sources, and programming means for automatically controlling the time periods of illumination of said areas respectively to provide substantially complementary time periods of illumination of said areas respectively, said programming means being constructed and arranged to provide dissimilar and characteristic intermittent periods of illumination and darkness on opposite sides of said channel respectively, said light sources being electrically actuated and having a time delay period between the time of closing an electric actuating circuit and the emanation of substantially normal light intensity and a similar time delay between circuit interruption and disappearance of substantially normal light intensity, and said programming means further including means compensating for said time delays and providing a time overlap between the interruption of the electric actuating circuit for causing a cessation of illumination from one of said light sources and the closing of an electrical actuating circuit for the initiation of illumination from the other thereof, so that an observer located in the central overlap zone of said areas will see a substantially steady light uninterrupted due to any interval between the stopping of illumination from either one light source and the starting of illumination from the other.

2,570,139
CATHODE-RAY IMAGE PRESENTATION SYSTEM
Donald E. Maxwell, New Canaan, Conn., assignor to General Electric Company, a corporation of New York
Application January 18, 1946, Serial No. 641,918
5 Claims. (Cl. 175—183)

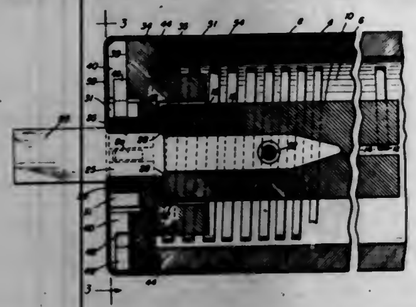


4. In an oscillographic system for analyzing the frequency response characteristics of a transmission circuit, said system being of the type comprising a cathode ray device having a sensitive viewing screen and first and second coordinate ray deflecting elements, a source of oscillations connected to said circuit, means for detecting the envelope of said oscillations after transmission through said circuit and means for energizing said first element therewith, the combination therewith of control means for cyclically varying the frequency of said source at a predetermined frequency, a square wave generator synchronized from said control means in predetermined phase relation and generating an alternating square wave of the same predetermined frequency, a sweep wave generator synchronized with said square wave generator and operating at twice said frequency, alternate cycles of the sweep wave occurring during half-cycles of the square wave of one polarity and amplitude and intermediate cycles of the sweep wave occurring during half-cycles of the square wave of opposite polarity and of the same amplitude, and means for impressing both said waves on said second deflecting element, whereby two displaced images appear on said screen representative of the frequency response characteristics of said circuit during increasing and decreasing frequency variations of said source respectively.

2,570,140
HEAD ASSEMBLY FOR SPRING SHADE ROLLERS
Joseph T. Mayer, Jr., Muskegon, Mich., assignor to Stewart Hartshorn Company, New York, N. Y., a corporation of New Jersey
Application September 18, 1950, Serial No. 185,404
3 Claims. (Cl. 160—304)

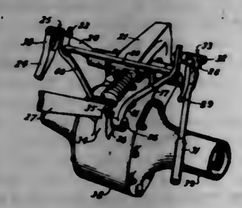
2. A head assembly for a spring shade roller of the type having a hollow end containing a helical spring secured at its inner end to a spindle located axially in the roller, said assembly comprising a solid molded cup member having a cylindrical head of about the same diameter as the roller and having a flat outer face, a cylindrical shell having an inwardly extending flange adapted to lie flat against said face, said cup member having an axial bore and a depression in its face portion of greater diameter than and opening into said bore, a hub adapted to form

a bearing in said bore and having a notched flange rotatable in said depression, said cup member having a pair of inwardly directed slots in its face in alinement with said notched flange, a pair of dogs freely slidable in said slots and having oppositely directed beveled inner faces of



greater depth than the notches in said hub flange and adapted to override the corners of said notches when the roller rotates in one direction, and a spear extending through the hub and into the spindle and secured therein, said shell being fastened to the roller to hold the assembly in place thereon.

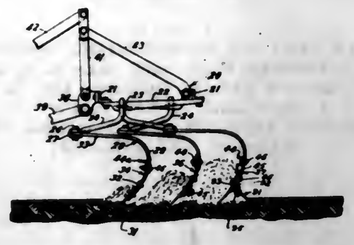
2,570,141
IMPLEMENT HOLDER
Clare A. McKee, Highland Park, Ill.
Application July 5, 1947, Serial No. 759,122
2 Claims. (Cl. 97—50)



1. An implement holder for use with tractors and other vehicles, having a frame and an implement movably supported on said frame and moved to and from operating position by spaced parallel arms pivotally mounted on said frame, said implement holder comprising a V-shaped yoke having its lower end pivotally carried on the frame at a point spaced from the pivot for said arms, the upper end of said yoke having portions adapted to engage said spaced implement-lifting arms to limit downward travel thereof and thereby to support the implement in raised position independently of power applied to the implement-lifting arms, said yoke being rotatable about its pivot to an inoperative position, whereby the implement-lifting arms may move the implement without interference from said yoke.

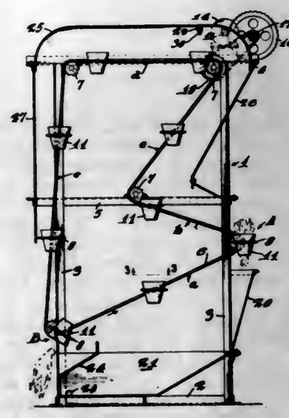
2,570,142
LAND-LEVELING DEVICE
Clare A. McKee, Highland Park, Ill.
Application January 29, 1949, Serial No. 73,459
14 Claims. (Cl. 55—33)

1. Soil working apparatus including a frame adapted to be moved over the soil, means including a plurality of teeth and resilient mountings therefor connecting said teeth to said frame, and means laterally interconnecting said first-mentioned means adjacent to the teeth, said last-mentioned means being relatively rigid to cause lateral displacement of any one tooth to be transmitted to the other teeth, thereby to provide an interaction between the resilient



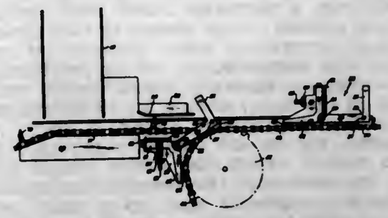
movement of the teeth as they are dragged through the soil, said last-mentioned means including a rake projecting rearwardly from said teeth.

2,570,143
POULTRY KILLING RACK
Leon A. Merrick, Adrian, Mich.
Application April 21, 1949, Serial No. 88,840
4 Claims. (Cl. 17—11)



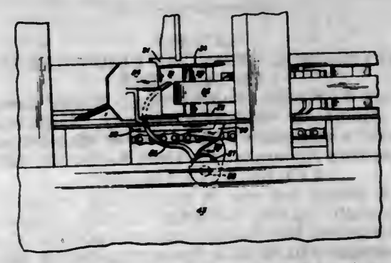
1. In a poultry killing rack, a frame, an endless conveyor guided for movements in the frame with a front path of travel a distance inwardly from a front bird-receiving point, then upwardly and outwardly on an incline, a rearward top path of travel, then a downward path of travel at the rear of the frame, and then forward to the receiving point, said conveyor having endless side members with a plurality of cross-bars connecting said members and spaced lengthwise thereof across bars having cone-shaped bird-receiving holders open at top and bottom with their large ends forming the top, said bars having their ends swiveled to said side members and normally standing by gravity with the large ends of said holders up, means for driving the conveyor, the birds to be killed being placed in the cones at the front receiving point with their heads hanging down through the cone bottoms in cutting and bleeding position, and means operable to turn each bar and its cone relative to the conveyor members and in a vertical plane when in the lower portion of its rear downward guided movement in the frame to discharge birds from the bar cones.

2,570,144
FOLDING BOX FORMING MACHINE
Rollin W. Mettler, Hamden, Conn., assignor to National Folding Box Company, Inc., New Haven, Conn., a corporation of Connecticut
Application July 13, 1949, Serial No. 104,431
6 Claims. (Cl. 93—53)



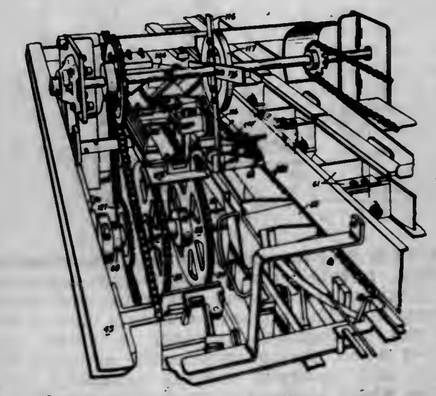
1. A device for forming a hollow box structure from a tubular flat collapsed box blank, the device comprising a body having a base portion and a rigid end portion upright with respect to the base portion and forming substantially a right angle therewith; a member hingedly mounted on the body and movable into a position upright with respect to the base portion from a declined position with respect thereto, said hinged member having a projection extending towards said end portion when the member is in upright position, the projection being adapted to grasp an edge of a flat box blank to urge said blank into said angle with its opposite edge, thereby expanding it into hollow form; a spring-urged pressure plate mounted on said movable member in a position parallel with the end portion when the member is in upright position, to constrain between the plate and said end portion opposite walls of said hollow box form; and an endless conveyor chain mounted to run along a straight path between curved path portions, said body being secured to said chain with said end portion leading and said hinged member trailing, the hinged member bearing against a portion of the chain spaced and trailing with respect to the point at which the body is secured thereby causing the hinged member to tilt relatively to said body at said curved path portions.

2,570,145
FOLDING BOX FORMING MACHINE
Rollin W. Mettler, Hamden, Conn., assignor to National Folding Box Company, Inc., New Haven, Conn., a corporation of Connecticut
Application July 13, 1949, Serial No. 104,432
6 Claims. (Cl. 93—49)



1. A machine for setting up into box shape the cover portion of a flat box blank comprising a box body portion and a hinged cover portion including a main cover panel hinged to the body portion, a cover front panel, cover side panels, and glue flaps for securing said side panels to said main panel, the machine comprising, a first conveyor; lugs on said first conveyor for engaging a box blank at its body portion; a second conveyor side by side with said first conveyor; means for moving said first and said second conveyor in timed relationship; a cover shaping form on said second conveyor, said form comprising a base member adapted to receive the main panel, and side members upright with respect to the base member for guiding the side panels into set up position; means for urging said front panel between said side members, thereby causing the side panels to assume an angular position with respect to the front panel; and means on said second conveyor for engaging said glue flaps to urge said flaps towards the base member into surface-to-surface engagement with the main panel.

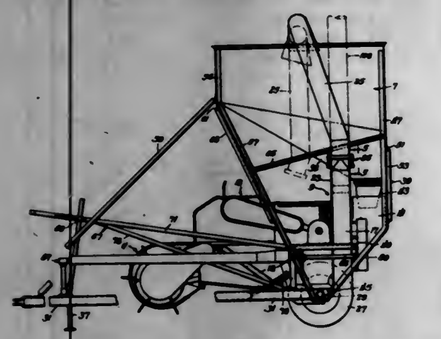
2,570,146
FOLDING BOX FORMING MACHINE
Rollin W. Mettler, Hamden, Conn., assignor to National Folding Box Company, Inc., New Haven, Conn., a corporation of Connecticut
Application November 23, 1949, Serial No. 128,964
5 Claims. (Cl. 93—49)



4. A machine for setting up into box shape a flat box blank having a body portion including box walls and box end panels, and a hinged cover portion including a main cover panel hinged to the body portion, a cover front panel, cover side panels, and glue flaps for securing said side panels to said main panel, the machine comprising, a machine base; a box body shaping member for engaging the box walls, said box body shaping member including a bottom portion and side portions, at least one of the side portions being tiltable with respect to the bottom portion; a box cover shaping member hinged to said body shaping member, said box cover shaping member including a base portion adapted to receive the main cover panel, the base portion being hingedly connected to said bottom portion of the body shaping member, and side portions upright with respect to the base portion for guiding the side panels; a first conveyor mounted on said machine base for jointly moving said two shaping members; a curved track on said base; means associated with said cover shaping member and engaging said track for moving said cover shaping member from an inclined position to a position substantially coplanar with said body shaping member; means on said base and driven in timed relationship with said conveyor for urging the cover portion of the blank against said cover

shaping member; a second conveyor mounted on said machine base for movement parallel to said first conveyor; means for driving both conveyors at an equal linear rate of movement; a support mounted on said second conveyor substantially in line with said body and cover shaping members on said first conveyor; a movable front member mounted on said support adapted to engage said front panel for folding the front panel into set-up position; and a pressure pad movably mounted on said support for engaging said glue flaps to urge said glue flaps into surface-to-surface engagement with said main panel on said cover shaping member.

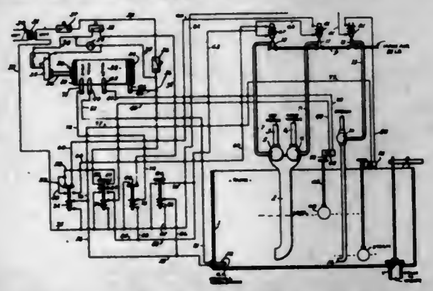
2,570,147
FIELD FORAGE HARVESTER
Patrick W. Morrissey, Racine, Wis., assignor to J. I. Case Company, a corporation of Wisconsin
Application March 14, 1947, Serial No. 734,753
4 Claims. (Cl. 55—118)



4. In a field forage harvester of the class described having crop pick-up and conveying mechanisms and support means for said mechanisms including a frame, a unitary cutting and delivery mechanism including a cutter and blower wheel having peripherally arranged fan vanes and generally radially extending knife blades which blades are disposed at one side of said wheel, and a housing for said cutter and blower wheel supported on said frame, said housing including a pair of opposed side walls one of which is disposed adjacent the side of said wheel upon which said knife blades are disposed and which defines a main crop inlet for admitting an unprocessed crop from said crop pick-up and conveying mechanism, said other side wall having a second inlet therein, said housing having a delivery outlet, a cut crop storage bin supported upon said support means, means arranged to connect selectively said delivery outlet to said storage bin and to an external storage receptacle from said harvester, and means for connecting said bin to said second inlet.

2,570,148
WATER LEVEL AND TEMPERATURE CONTROL SYSTEM FOR WASHING MACHINES
John Neuroth and James C. Smith, Syracuse, N. Y., assignors to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 31, 1950, Serial No. 153,068
2 Claims. (Cl. 137—68)

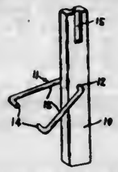
1. A water level and temperature control system for tanks comprising a cycle timer having a movable element, a row of contacts, a formula device on said element to open and close branch circuits through the contacts, the row of contacts including a level contact, a temperature contact and a motor stop contact, a main feed circuit in circuit with a conductor on the movable timer element common to all the contacts through the formula device, a motor for the movable timer element, a circuit therefor, level and temperature circuits from the level and temperature contacts respectively, a normally closed level switch in the level contact circuit opened by float means in the tank, a normally closed temperature switch in the tank connected in the temperature contact circuit, a normally closed motor cut-out switch in the motor circuit, an electro-magnetic coil in the stop contact circuit to open, when energized, the cut-out switch, a normally open steam control switch, the steam control switch being in series with the temperature switch in the tank, a normally open water relay switch having means for closing a circuit from the feed circuit to electro-magnetic means which control



the opening of a water intake valve in a pipe discharging into the tank, and also having means for closing one ground wire of the magnetic coil of the motor cut-out switch, an electromagnetic coil in series with the level switch arranged, when energized, to close the water relay switch, a second grounding wire for the coil of the motor cut-out switch having a normally open switch therein, an electro-magnetic coil for closing the last switch in series with the temperature switch in the tank, the steam control switch circuit having an electro-magnetic coil therein for opening a valve which controls the opening of a steam valve in a pipe discharging into the tank, the formula devices of the timer being located to close and open the level and temperature contacts simultaneously at predetermined times, and to close the motor stop contact, and stop the timer motor when the level and temperature contacts are closed and about to be opened by the timer when at least one of the level and temperature switches is closed.

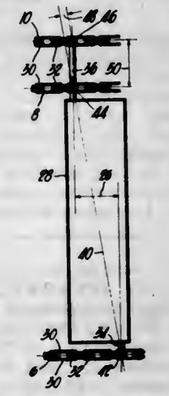
2,570,149
DEVICE FOR AIDING IN PERFORMING EYE SURGERY
Conrad J. Noelle, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application November 25, 1949, Serial No. 129,284
4 Claims. (Cl. 128—303)

3. A device for use in supporting an artificial eye implant having a flange thereon, comprising an elongated bar having an end portion shaped for engagement with a forwardly facing portion of said implant, and a retaining member connected to the intermediate portion of said bar, said retaining member having a pair of wire-like arm portions angled outwardly from the opposed sides of said bar in diverging relation and having inturned end portions directed toward each other, said end portions being in spaced relation and adapted to frictionally engage said



flange for retaining said end portion of the bar in engagement with said forwardly facing portion of the implant.

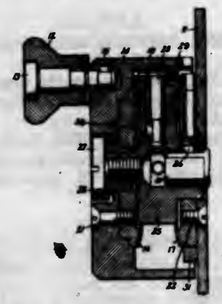
2,570,150
CONVEYER FOR BAKERS' OVENS
Boris M. Osojnak, Pittsburgh, Pa.
Application March 12, 1949, Serial No. 81,165
4 Claims. (Cl. 198—138)



4. In a conveyor, the combination including a pair of spaced apart sprocket wheels, a third sprocket wheel adjacent to and on the outboard side of one of said pair of sprocket wheels, a shaft extending through said third sprocket wheel and the sprocket wheel adjacent thereto, a second shaft for supporting the other of said pair of sprocket wheels, the axes of said shafts being offset and parallel to each other, an endless chain mounted on each sprocket, a plurality of material supporting devices spaced apart along the chains and extending between the chains mounted on the said pair of sprocket wheels, pivot means for mounting the ends of each of the material devices on said last mentioned chains, the pivot means adjacent the third chain extending thereto and being mounted thereon, the axes of the pivot means of each material supporting device being parallel to each other and offset with respect to each other in the same manner as the axes of the shafts, another set of three sprocket wheels spaced from the first three sprocket wheels and arranged in the same manner as the first three, said chains being mounted on said last named sprocket wheels.

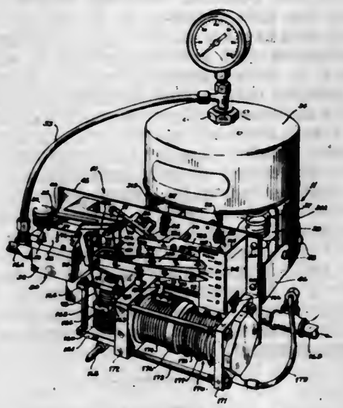
2,570,151
CYCLIC GEAR MECHANISM
Otto H. Petersen, Fayetteville, N. Y., assignor to General Electric Company, a corporation of New York
Application September 9, 1949, Serial No. 114,711
2 Claims. (Cl. 74—799)

1. A cyclic gear mechanism comprising a pair of spaced sun bevel gears mounted in parallel planes in mutually facing relationship on an axis, a hub member, a pair of stub shafts each affixed to said hub member at one end and extending therefrom in diametrically-opposite directions, a pair of planet bevel gears respectively mounted on said stub shafts, said hub member being interposed between said sun gears and, in combination with said stub shafts, constituting a spider rotatable on said axis, said planet gears



each meshing with both said sun gears, a pair of fixed bearing races concentrically mounted with respect to said sun gears and in similar opposing relation, a pair of rollers rotatably mounted on said respective shafts and each bearing against both said races for accurately positioning said spider between said sun gears, and means for individually adjusting each of said shafts radially to provide accurate adjustment of the meshing of said gears.

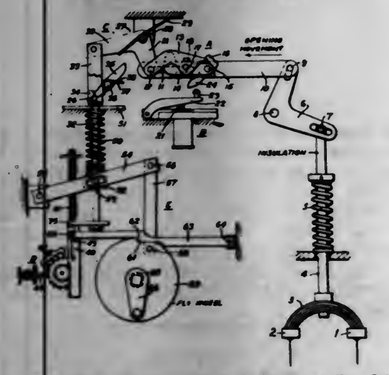
2,570,152
FLOW CONTROLLER
Alfred W. Pett, Warwick, R. I.
Application April 10, 1946, Serial No. 661,160
20 Claims. (Cl. 137—152.5)



1. In a flow control apparatus for association with a power operated flow control valve, a unit adapted to be mounted on the casing of such a flow control valve, means on said unit adapted when said unit is mounted on a valve casing to be moved in accordance with the movements of the valve member of the valve, means on said unit operated by said last mentioned means and including a cam means for translating movement of said last mentioned means into a movement which is a function of a predetermined character, means on said unit actuated by differential pressure and adapted to be actuated in accordance

with the pressure differential at opposite sides of the valve opening of the valve, a settable control means on said unit adapted to govern the operation of the power means of the power operated valve, and computing means for governing said control means and conjointly controlled in accordance with the second mentioned means and said means actuated by differential pressure.

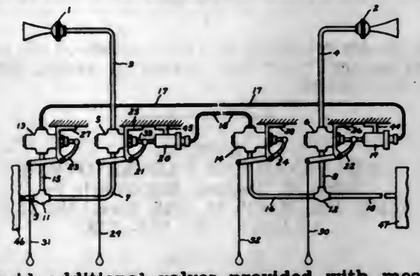
2,570,153
RECLOSING MECHANISM FOR CIRCUIT BREAKERS
Roy A. Phillips, Peterborough, Ontario, Canada, assignor to General Electric Company, a corporation of New York
Application March 17, 1948, Serial No. 15,395
In Canada December 4, 1946
10 Claims. (Cl. 200—89)



1. In an electric circuit breaker of the biased open type, a reclosing mechanism comprising a member operatively connected to said circuit breaker and movable from a normal position to an operated position, latching means arranged to restrain said member in its normal position to hold said breaker in the closed position, means for releasing said latching means to cause said breaker to open, means operably related with said holding means and operable in response to opening movement of said circuit breaker for resetting said latching means with respect to said member, closing means for imparting circuit closing movement to said member, an interference member normally disposed in the path of movement of said closing means and normally preventing operation thereof, and time delayed means for moving said interference member out of the path of movement of said closing means in response to opening of said circuit breaker, the delay of said time delayed means being longer than the time required for the resetting of said latching means.

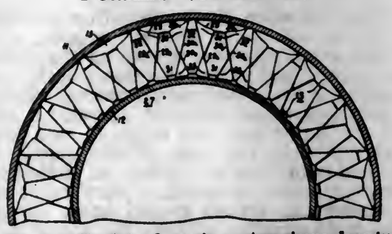
2,570,154
HORN CONTROL SYSTEM
James J. Prendergast, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 10, 1949, Serial No. 80,698
2 Claims. (Cl. 116—55)

1. A control system for a plurality of pressure actuated signal devices remotely located one from the other, said system comprising a plurality of control stations remotely located one from the other, a plurality of signal control valves each connected to directly control the admission of fluid pressure to a different one of said devices with each of said signal control valves located adjacent a different one of said stations, each of said valves provided with means for the manual operation thereof from the respective adjacent station, each of said valves provided with additional operating means including a fluid pressure motor mechanically connected thereto for the pilot operation thereof, an additional valve located adjacent each of said stations, each



of said additional valves provided with means for the manual operation thereof from the respective adjacent station, a separate connection from each of said additional valves to a fluid pressure motor associated with a non-adjacent signal control valve for pilot operation of the latter, and means for supplying a compressible operating fluid to all valves, whereby at least one of said signal devices may be operated from more than one of said operating stations.

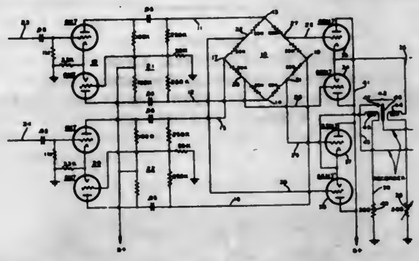
2,570,155
FLOW APPARATUS
Arnold H. Redding, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1948, Serial No. 10,851
4 Claims. (Cl. 138—38)



1. In a cylindrical casing structure having an annular passageway, means for supplying fluid under pressure thereto, and stationary flow control means interposed in said passageway comprising nozzle vanes arranged in pairs having opposite helical surfaces co-acting to provide flow distributing passages having walls alternately converging and diverging radially, whereby concentric currents of fluid under pressure flowing through said passageway are radially interchanged and mixed to render uniform the flow of fluid.

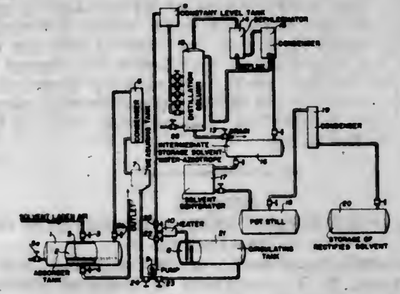
2,570,156
SIGNAL COMPARATOR SYSTEM
Harold R. Reiss, Philadelphia, Pa.
Application February 13, 1950, Serial No. 143,840
9 Claims. (Cl. 175—320)

1. A system for determining and recording substantial coincidence of frequency and phase of two audio signal waves, comprising a four-arm impedance bridge having two pairs of diagonally opposed terminals, a first signal input circuit connected to one pair of diagonally opposed terminals of said bridge, a second signal input circuit connected to the second pair of diagonally opposed terminals of said bridge, a first output circuit connected to intermediate points of two opposed arms of said bridge, a second output circuit connected to intermediate points of the other two



opposed arms of said bridge, a circuit to be controlled, and means connected to said output circuits for closing said last-recited circuit only in the event of substantial coincidence of frequency and phase of two audio signals applied to said input circuits.

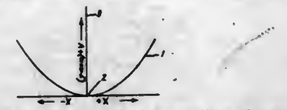
2,570,157
PURIFICATION OF KETONE-CONTAINING LIQUID
Ernest A. Rodman, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 4, 1946, Serial No. 674,343
4 Claims. (Cl. 260—593)



1. The method of purifying organic liquids comprising in predominating amount methyl ethyl ketone and a volatile saponifiable ester and containing a small amount of free acid and a relatively small amount of diacetyl as an impurity which comprises reducing the said diacetyl but not the main body of the organic liquid with nascent hydrogen, produced by reaction of the said acid and a metal, to a mixture of butylene glycol and acetoin, and thereafter separating the said organic liquid from the reduction products by fractional distillation.

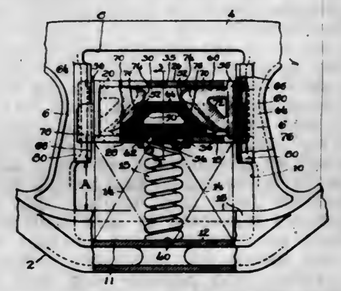
2,570,158
METHOD AND APPARATUS FOR SEPARATING CHARGED PARTICLES OF DIFFERENT MASS-TO-CHARGE RATIOS
Paul O. Schissel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 2, 1950, Serial No. 198,870
20 Claims. (Cl. 250—41.9)

1. A mass spectrometer comprising an evacuable envelope, a pair of electrodes mounted in spaced apart relationship within said envelope, means for producing in the space between said electrodes an electrostatic field having a linear space distribution, the voltage creating said field having a parabolic space distribution with the apex lying substantially upon the median plane



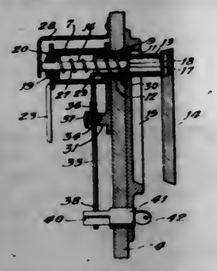
between said electrodes and increasing from the median plane toward each of said electrodes, means for generating an alternating electric field between said electrodes, means for injecting electrons into the space between said electrodes, and means for introducing an ionizable medium into said envelope.

2,570,159
SNUBBED BOLSTER TRUCK
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application August 17, 1945, Serial No. 611,008
1 Claim. (Cl. 105—197)



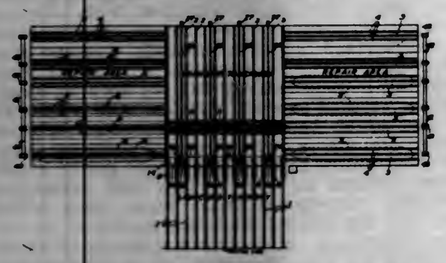
A railway car truck including a side frame having spaced columns and a bolster opening therebetween, a bolster portion disposed between said columns, a spring group carried by said frame at the bottom of said bolster opening and supporting said portion, downwardly facing surfaces on said portion extending inwardly from the sides thereof, and means associated with said surfaces for additionally supporting said portion from said frame, said means comprising friction shoes frictionally engaged with friction faces on respective columns, each shoe and the related surface having a mutually engaged area respectively, one of which is curved and the other of which is substantially flat, as seen in longitudinal vertical section through said frame, all of said areas being entirely disposed between spaced transverse vertical planes defining opposite longitudinal extremities of said group, wedge means housed in said portion and presenting upwardly converging wedge faces, each wedge face and the related shoe having a pair of engaged V-shaped areas respectively, one of which is curved and the other of which is substantially flat, as seen in longitudinal vertical section through said frame, and spring means independent of said group compressed between said frame and said wedge means for urging the latter upwardly and thereby maintaining the shoes in simultaneous engagement with respective surfaces and respective column faces, whereby part of the reaction of said spring means is transmitted by means of said areas from the wedge means to the shoes and thence to said surfaces.

2,570,160
CLOSURE LOCK
Fred C. Schoch, Oak Park, Ill.
Application July 13, 1948, Serial No. 38,481
1 Claim. (Cl. 70—208)



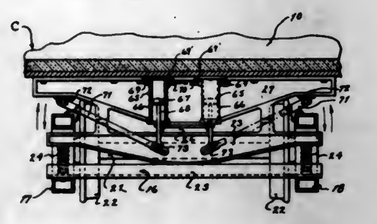
A lock for a movable closure comprising a face plate adapted to be mounted upon the front of said closure, said face plate having a recess, a hollow housing adapted to be mounted upon the rear of said closure, said face plate and closure having connecting apertures which open into said hollow housing, a bearing sleeve in said closure aperture of greater length than the thickness of said closure, a hollow spindle slidably positioned in said bearing sleeve and said face plate aperture, a handle carried by said spindle and positionable in said recess, a pin slidably but non-rotatably connected to said spindle intermediate its length, a latch rigidly mounted upon said pin exteriorly of said housing, whereby said latch may be rotated by said handle, resilient means embracing said pin and bearing at opposite ends against said housing and an intermediate portion of said spindle respectively for urging said handle and spindle outwardly from said housing, said spindle being slidably supported by said bearing sleeve throughout the entire length of said bearing sleeve, and means for removably holding said spindle within said housing and said handle within said recess.

2,570,161
MARINE RAILWAY HAUL DRIVE
Daniel M. Schwartz, Salt Lake City, Utah, assignor to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 9, 1946, Serial No. 689,396
14 Claims. (Cl. 61—67)



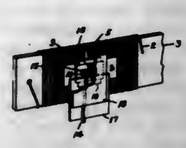
1. A shunt haul hoist for moving a plurality of ship-supporting carriage means on the transfer trackway of a marine railway, said shunt haul hoist comprising a hoist line for each carriage means, a drive for each hoist line including two drums provided with parallel grooves in which said hoist line is wrapped a plurality of turns, with both drums included within the turns, a gravity take-up device provided with a pulley for each hoist line, a sheave mounted adjacent to one end of the range of travel of each carriage means on said transfer trackway, each hoist line extending from its drive around the pulley of the associated take-up device and sheave to a point of anchorage on said carriage means, and means for selectively rotating the drums of the several drives.

2,570,162
REFRIGERATOR CAR
Robert Kent Schwebs, Appleton, Wis.
Application January 12, 1946, Serial No. 640,873
1 Claim. (Cl. 98—6)



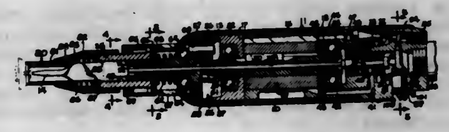
In a refrigerator car of the type having a body, including a storage compartment and a bunker compartment therein, car trucks for the body including side frames, a resiliently supported bolster carried by the side frames, a top bolster secured to the car body and rockably supported to the first bolster, an air circulating fan for drawing air from one of said compartments and delivering it to the other of said compartments, means for operating said fan including a turbine, a fluid pump delivering oil under pressure to said turbine for operating the same, means for securing the pump rigidly to the floor of the car between the side frames, rock levers fulcrumed on the side frames, means operatively connecting one end of the levers to the top bolster and means operatively connecting the opposite ends of the levers to the pump.

2,570,163
PRECISION RESISTANCE AND METHOD OF MAKING IT
Benjamin B. Scott and Almy D. Coggeshall, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 28, 1948, Serial No. 67,586
4 Claims. (Cl. 201—63)



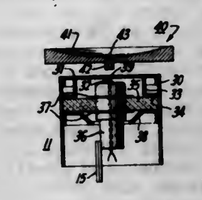
1. A tapped precision resistance capable of being brush contacted while maintaining desired gradient resistance values comprising a support of insulating material, a resistance wire wound in a plurality of turns on said support, a first strip of uncured thermosetting resin-impregnated insulation material positioned beneath a portion of one of said turns and extending over other of said turns, two damming strips of uncured thermosetting resin-impregnated insulating material spaced on said first sheet and across said one turn, a coating of resin material applied to said resistance and heat-pressure treated to bond said turns in spaced relation on said support and to anchor opposite ends of said portion of said one turn, an electric conductor positioned on said first strip and electrically connected to said portion of said one turn, a second strip of uncured thermosetting resin-impregnated insulation material positioned under said conductor and tap connection and between said damming strips, a third strip of uncured thermosetting resin-impregnated insulation material extending over said damming strips and said electric connection to provide for securing said strips together and to said turns and support without dislodging said turns by heat-pressure treating said resistor to form one homogeneous mass, and a brush path formed across said turns.

2,570,164
POWER-OPERATED SCREW DRIVER
Ernest H. Shaff, Spring Lake, Mich., assignor to Keller Tool Company, Grand Haven, Mich., a corporation of Michigan
Application January 2, 1947, Serial No. 719,803
7 Claims. (Cl. 144—32)



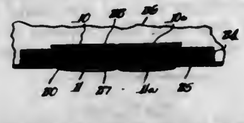
7. A portable pressure fluid operated tool comprising, in combination, a pressure fluid operated motor, a tool spindle driven by the motor, a finder for threaded elements providing a chamber normally open at one side for the reception of a threaded element, valve means for controlling the supply of air to said motor including a supply chamber, and means including an ejector rendered operative upon the supply of air to said supply chamber to exhaust air from said finder chamber.

2,570,165
LIMITED-AREA CATHODE
Howard D. Shekels, St. Paul, Minn., assignor to Radio Corporation of America, a corporation of Delaware
Application August 16, 1949, Serial No. 110,575
1 Claim. (Cl. 313—346)



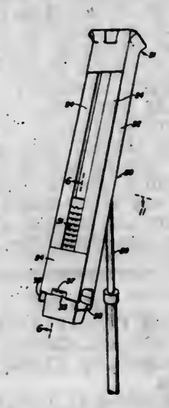
A sub-assembly for an electron gun comprising a cup-shaped grid having an aperture at the center of its closed end to pass electrons, rigidly supported within the grid a thimble-like cathode the closed end of which has a relatively flat non-emissive surface registering with said aperture, a spacer accurately fixing the distance between said non-emissive surface and the under side of said aperture, and a coating of emissive material formed on a central portion of said non-emissive surface beneath said aperture, the coating being of smaller area than the aperture and in exact alignment with it independently of the degree of coaxiality between said grid and cathode.

2,570,166
PAPER FASTENER
Walter D. Striker, Cicero, Ill.
Application October 24, 1946, Serial No. 705,451
3 Claims. (Cl. 24—153)



1. A fastener for a stack of paper sheets and the like, comprising a pair of separate and complemental fastener elements each including a blade-like shank portion to be disposed in back-to-back surface contact when passed through a stack of sheets and with the free ends thereof adapted to be bent outwardly to stack-securing position, and an enlarged head disposed at right angles to the shank portion, each head having lateral edges extending from opposite side edges of the corresponding shank portion, and the separate and complemental fastener elements in assembled securing position with the shank portions in back-to-back surface contact having the adjacent lateral edges of each head disposed in mutually abutting line contact relationship to resist twisting and misalignment of the assembled fastener elements and to provide a complete head structure consisting of a single layer of the fastener material over the adjacent face of the secured stack of sheets.

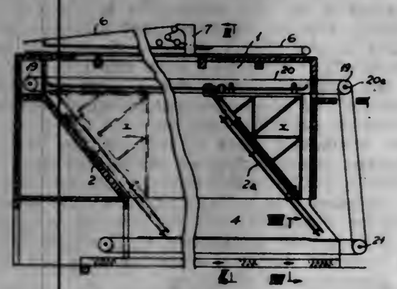
2,570,167
CARTON DISPENSER
Leon H. Tobey, Newark, N. Y., assignor to Bloomer Bros. Company, Newark, N. Y., a corporation of New York
Application October 25, 1949, Serial No. 123,861
3 Claims. (Cl. 312—43)



1. A carton dispenser for rectangular cartons for ice cream and the like having an open top provided with a plurality of foldably connected closure flaps therefor, said dispenser comprising a tube-like container of rectangular cross section adapted for holding a nested stack of said cartons

with the tops thereof uppermost and said flaps folded downwardly substantially against the carton sides, means on one side of said container adjacent the lower end thereof for engaging the lower edge of one of said flaps while leaving a portion of said flap exposed for manual accessibility, for yieldably retaining said cartons in said container with the bottom of the lowermost carton extending accessibly below the lower end of said container and a plurality of members located below and spaced from the remaining sides of the container, respectively, for engaging under the remaining flaps to fold the same upwardly as said exposed flap and the bottom of said carton are grasped and withdrawn from the container.

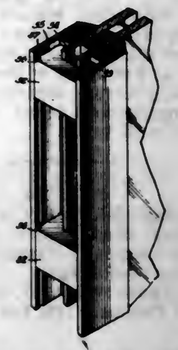
2,570,168
BLENDING OF DRY POWDERED MATERIALS
Victor Urban, Pretoria, Transvaal, Union of South Africa
Application December 29, 1949, Serial No. 135,707
In Union of South Africa January 13, 1949
20 Claims. (Cl. 259—1)



1. Apparatus for the blending of finely subdivided dry material comprising a bin of any capacity, generally quadrangular plan form and substantially constant cross-section between its ends, means for feeding the material into said bin in uniform superimposed layers, a screen of stiff construction extending into and across said bin between its ends, of a form such as to divide the bin into two lengthwise in a plane at an angle to the horizontal of the same order as the angle of repose of the said material, means for traversing said screen forwardly inclined in the bin in a lengthwise direction thereof, means for imparting oscillatory movement to the screen substantially in its own plane contemporaneously with the traversing thereof, said bin comprising from end to end thereof, downwardly convergent basal surfaces leading into at least one slot-like discharge opening, and a conveyor device extending along and below such discharge opening for the reception and disposal of materials gravitating into the same from the bin interior.

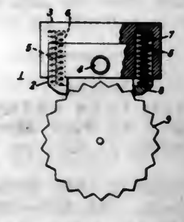
2,570,169
SASH CONSTRUCTION
Christian M. Verhagen, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1945, Serial No. 616,639
5 Claims. (Cl. 20—56.5)

1. In a double glass sash, two spaced panes of glass, a rubber glazing strip in which the edges of the panes are clamped, a frame surrounding the panes and comprising two laterally spaced rim members, said rim members being provided with inwardly extending flanges between which the glazing strip is clamped, said rim members being also provided with outwardly extending flanges in substantially the planes of said inwardly extending flanges, laterally extending webs at the bases of said inwardly and outwardly extending flanges, and other relatively short outwardly extending flanges on the webs adjacent



the median plane of the sash, said last mentioned flanges having oppositely facing surfaces, and a plurality of U-shaped connecting members positioned within the contour of the frame in clamped association with the oppositely facing surfaces of the relatively short outwardly extending flanges.

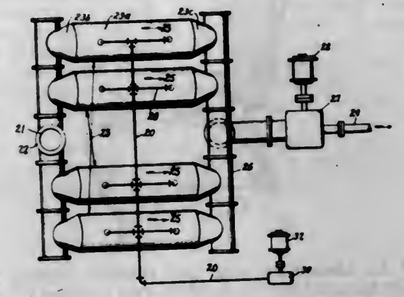
2,570,170
COMPOUND ESCAPEMENT WITH SPRING MOUNTED MASS
John G. M. Viti, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application March 19, 1949, Serial No. 82,468
1 Claim. (Cl. 74—1.5)



A time delay means comprising a toothed escape wheel, a centrally pivoted pallet member having projections at its opposite ends adapted to engage the teeth of said escape wheel, said pallet member oscillating about its pivot as said escape wheel rotates, a mass member, the interior of said pallet member being recessed to receive said mass member, said mass member being centrally pivoted about the same axis of oscillation as said pallet member, and spiral spring members interposed between said pallet member and said mass member on either side of said axis of oscillation for transmitting oscillatory force between said members.

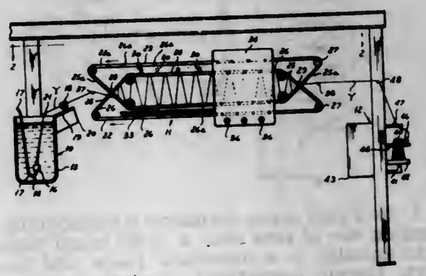
2,570,171
DEAERATION APPARATUS
Henry Von Kohorn and Ralph S. Von Kohorn, New York, N. Y.
Application January 23, 1946, Serial No. 642,991
2 Claims. (Cl. 183—2.5)

1. Apparatus for the de-aeration of viscose or the like, comprising a pair of manifolds relatively disposed in vertically and horizontally offset positions, a plurality of tubular conduits connecting said manifolds with each conduit sloping downwardly and each having a major intermediate zone of constant cross-section and end zones connecting the intermediate zone with the respective manifolds, each end zone being of relatively short length and axially alined with the intermediate zone axis, the cross-sectional area of each end zone decreasing in the direction of the manifold to which it is connected to thereby form a tapering entrance and exit for the in-



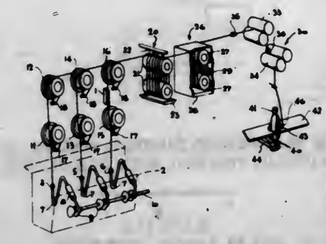
termediate zone, whereby the entering material for the intermediate zone is spread by the entering tapered zone to provide a content of relatively small depth to thereby traverse the major zone under substantially uniform cross section stream form with the depth of the stream determined by the tapered exit zone leading to the lower manifold, each conduit having a substantially greater transverse cross-sectional area than a similar area of the upper manifold, and means for producing a sub-atmospheric pressure in said conduits.

2,570,172
APPARATUS FOR THE HANDLING OF YARN
Henry Von Kohorn, Scarsdale, N. Y.
Application May 29, 1948, Serial No. 29,963
5 Claims. (Cl. 28—71.5)



5. A thread storage and thread transporting device comprising a pair of laterally spaced endless conveyers having trapezoidal runs lying in substantially parallel planes, the bases of said trapezoidal runs being diagonally spaced relative to each other; a plurality of elongated thread engaging elements mounted on each of said conveyors, each of said elements being supported at one end thereof by the corresponding conveyer, and having its other end free and extending in cantilever fashion substantially to said other conveyer, said elements being disposed in staggered relationship on the respective conveyers whereby said elements as they are transported along the diagonal positions of said trapezoidal runs alternately pass between the elements carried by the other conveyer.

2,570,173
METHOD OF PRODUCING YARN
Henry Von Kohorn, Scarsdale, N. Y.
Application May 17, 1950, Serial No. 162,506
9 Claims. (Cl. 57—157)



1. The method of producing a continuous bundle of staple fibers comprising the steps of forming a bundle of continuous filaments, the individual filaments of which have different breaking-point elongations, and subjecting said bundle to a stretch sufficient to rupture all of said continuous filaments without interrupting the continuity of said bundle, whereby the lengths of the ruptured filaments vary in accordance with the breaking-point elongations of the corresponding continuous filaments.

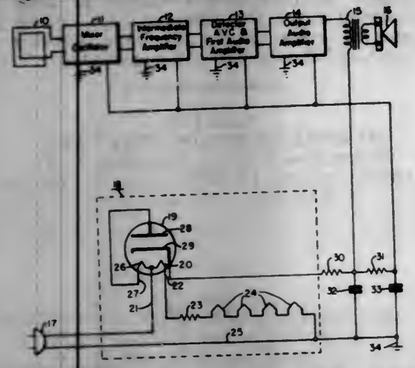
2,570,174
METAL CLEANING AND PLATING PROCESS
Carl F. Weber, Ontario, Calif., assignor to General Electric Company, a corporation of New York
No Drawing. Application November 12, 1947, Serial No. 785,534
2 Claims. (Cl. 204—32)

1. The method of replating a nickel plated article from which a chromium plate has been stripped by anodic treatment in a caustic alkali solution for replating, which method comprises immersing the nickel plated article in a strong hydrochloric acid solution and passing a current through said article as the cathode for about one minute at a current density of from 75 to 100 amperes per square foot, applying a flash coating of copper onto said article and nickel plating the copper flashed article.

2,570,175
ALTERNATING-CURRENT-DIRECT-CURRENT RECTIFIER CIRCUIT
Peter R. Weller, Aurora, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application January 3, 1949, Serial No. 68,821
7 Claims. (Cl. 250—27.3)

1. A power supply for a signalling system including a plurality of unidirectionally conductive devices comprising: a heater filament included in the envelope of one of said devices having a fusible section and one other section; a pair of input terminals adapted to be coupled to a source of energizing potential; a primary heater circuit for said one device connected to said terminals and including said other filament section but ex-

cluding said fusible filament section; and a rectifying circuit connected to said terminals and



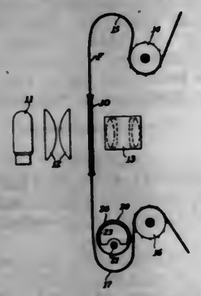
including said fusible filament section, connected in series circuit relation with one of said devices.

2,570,176

FILM-LOOP FORMER

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application April 24, 1948, Serial No. 23,096
8 Claims. (Cl. 271—2.2)



1. A device for forming and maintaining a film loop in a motion picture apparatus comprising a shaft disposed within said loop and extending axially thereof, a loop-forming roller means for eccentrically mounting said roller on said shaft for unrestrained rotation thereon, means for counterbalancing said roller whereby the portion of its periphery farthest from said shaft will normally remain remote from the end of said loop, and raised frictional film-engaging surfaces on the periphery of said roller of such width and so spaced as to be adapted to be engaged only by the marginal areas of the film if said loop is sufficiently diminished, whereupon said roller will be rotated by movement of the film to restore said loop.

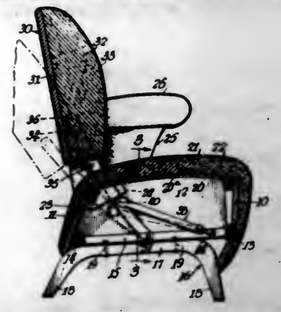
2,570,177

CHAIR HAVING A RESILIENT BACK REST

Glenn D. Wood, Elkhart, Ind., assignor to Posture Research Institute, Inc., Elkhart, Ind., a corporation of Indiana

Application May 27, 1948, Serial No. 29,621
3 Claims. (Cl. 155—164)

1. A chair embodying therein a generally rectangular, open seat frame including front, rear and side rails, upholstery means covering the top of and operatively secured to said frame and forming the seat of the chair, there being a front to rear elongated slot-like passage through said upholstery means at the upper rear corner thereof adjacent each side of the seat that opens into the interior of said frame, a back rest at the rear of the seat, supporting arms for the back rest and disposed one at each side thereof and each operatively connected at its upper end to said back rest and each extending through an associated passage to dispose the lower portions thereof within the interior of said frame adja-



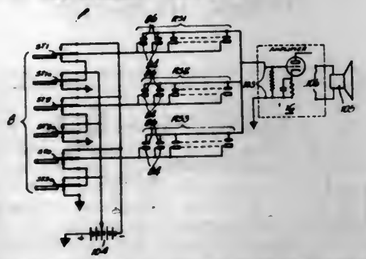
cent an associated side rail thereof, means pivotally connecting the bottom end portion of each arm to a part rigid with an associated side rail and whereby said back rest may be swung forwardly and rearwardly of the seat between two positions relative to the seat, and a resilient cushioning brace for each arm and disposed entirely within said frame and each pivotally attached to an associated arm and to an associated part rigid with the associated side rail of the frame and determining said two positions of the back rest.

2,570,178

ELECTRIC ORGAN

Victor I. Zuck, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application January 2, 1947, Serial No. 719,896
18 Claims. (Cl. 84—1.14)



1. In a reed organ including a horizontally extending row of reed cells, a pallet board disposed substantially in a horizontal plane and having ports therein respectively aligned with the reed cells, a row of individually operable pallets fulcrumed on the under side of said pallet board and respectively biased to close said ports, a horizontally disposed key frame, a row of keys fulcrumed on the upper side of said key frame, one end of each of said keys underlying and being vertically aligned with one end of a corresponding one of said pallets, and means coupling said keys respectively to said pallets whereby depression of the other end of any of said keys elevates said one end of the corresponding pallet to open its associated port.

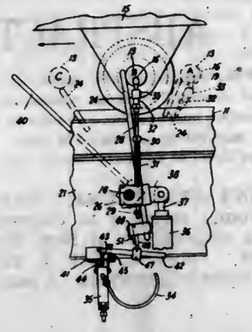
2,570,179

DEVICE FOR FLUID FLOW BETWEEN RELATIVELY MOVING OBJECTS

Heyward Rivers, Augusta, Ga., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application May 7, 1947, Serial No. 746,570
6 Claims. (Cl. 184—2)

1. A device for the delivery of fluid between relatively moving objects including a fluid receiver arranged for lineal movement and having a fluid flow fitting with a check valve therein positioned upon said fluid receiver, a pipe arranged for angular movement in the plane of movement of said fitting, a second fitting mounted on said pipe and arranged to engage said fluid flow fitting on said receiver in pressure retaining fluid flow relationship upon the application of axial pressure between said fittings, a guide rod in spaced angular relationship with said pipe and arranged to maintain fluid flow alignment between said fittings during the lineal movement of said receiver, a source of fluid under pressure, and means arranged to cause a metered flow of fluid through said fittings from said source of fluid to said receiver during a

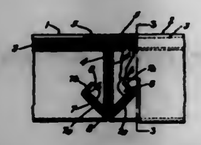


predetermined angular movement of said connecting pipe.

ABSTRACTS OF APPLICATIONS

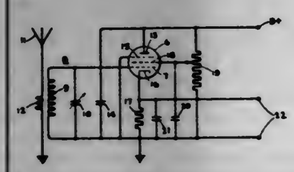
Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

557,796. **JOINT STRUCTURE.** Victor Civkin, Fairfield, Conn., assignor to General Electric Company, a corporation of New York. Filed Oct. 9, 1944. Published Oct. 2, 1951. Class 189—36. 1 sheet of drawings. 5 pages of specification.



The edges of adjacent counter tops 3 and trim strips 5, on a kitchen counter or the like, have vertical downwardly extending flanges 4, ending in upwardly turned end sections 6, each slanted about 45° to the vertical. A locking strip 7, generally V-shaped in section, slides endwise over and fits closely around the slanted end sections on the flanges of two adjacent tops and has inturned upper edges 7b which overlie the edges of the end sections. A series of bumps 8 along the locking strip bear at spaced points along the flanges and end sections, to reduce frictional binding as the locking strip is slid into place.

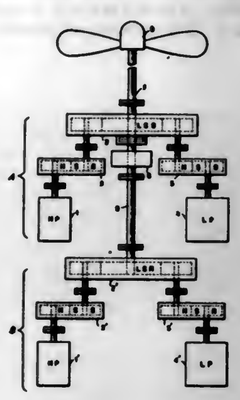
15,585. **SELECTIVE RADIO FREQUENCY AMPLIFIER UTILIZING A CATHODE FOLLOWER STAGE.** Alexander E. Hudson, Albany, N. Y., assignor to General Electric Company, a corporation of New York. Filed Mar. 18, 1948. Published Oct. 2, 1951. Class 179—171. 1 sheet of drawings. 6 pages of specification.



The disclosure relates to an improvement in radio frequency amplifiers in which an untuned output circuit is employed in a cathode follower stage, the reactance component of the untuned output circuit being used to improve the selectivity of the input circuit of the cathode follower.

Referring to the drawing, a tuned input circuit 8 is coupled to the control electrode 7 of electron discharge device 6. Cathode 16 is coupled to ground by an aperiodic shunt network comprising resistor 17 and capacitor 21. Device 6 has a high mutual transconductance and resistor 17 and capacitor 21 are given such values that the device has negative input characteristics. These characteristics are made insufficient to establish oscillation in this stage, but sufficient to increase the Q of the tuned circuit 8 to the desired level, thereby increasing the selectivity.

83,116. **SHIP PROPULSION UNIT AND METHOD OF SHIP PROPULSION.** Richard L. Burke, Swarthmore, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania. Filed Mar. 24, 1949. Published Oct. 2, 1951. Class 115—34. 1 sheet of drawings. 8 pages of specification.



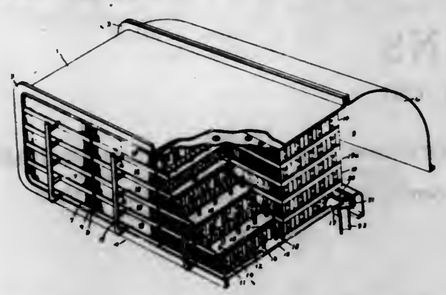
In a ship propulsion unit, a pair of steam turbine units A and B, having high and low pressure stages, and their associated compound reduction gearings drive propeller shaft 7 through single shaft 9 including releasable coupling 6 so that, in effect, the turbine units A and B drive the single or common shaft 9, which is continuous with the propeller shaft 7. Adjustable pitch propeller 8 is mounted on propeller shaft 7 and transmits the total power of the turbine units A and B.

Thus the propeller 8 may be driven by one or both of steam turbine units A and B, and the pitch of the propeller may be adjusted in accordance with the power supplied thereto so that the propeller will turn at the same number of revolutions, irrespective of the power supply.

137,217. **CROSS-OVER WATER EXTRACTION STRUCTURE.** Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York. Filed Jan. 6, 1950. Published Oct. 2, 1951. Class 183—75. 1 sheet of drawings. 7 pages of specification.

This application relates to a moisture-separating honeycomb structure adapted to be incorporated in the crossover conduit of a compound steam turbine. The honeycomb comprises a plurality of horizontal tiers each having closely spaced corrugated vertically disposed plates defining a sinuous passage adapted to change the direction of the steam so as to throw out the moisture particles. Each tier is provided with a separate horizontal catch-basin with separate

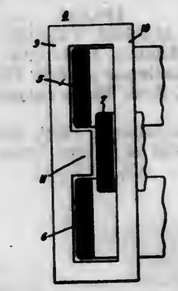
drain conduits. This arrangement insures that moisture separated from the high velocity steam



will be collected and drained away before it can again be entrained in the high velocity fluid.

159,069. **ELECTRIC REGULATORS.** Henry S. Holbrook, Rugby, England, assignor to General Electric Company, a corporation of New York. Filed Apr. 29, 1950. Published Oct. 2, 1951. Class 171—119. 1 sheet of drawings. 8 pages of specification.

This application discloses an induction voltage regulator which provides an output voltage which is smoothly variable from zero to a maximum value. Two fixed windings 5 and 6 are positioned at opposite axial extremes of a magnetic core formed of a plurality of radially-extending core elements 8. Windings 5 and 6 are so connected to the supply voltage that the magnetic flux about each of the two windings is opposite in direction to that about the other winding. A third winding 7 is slidably positioned on the core elements 8 and may be moved axially of core elements 8 in inductive relation with windings 5 and 6. The magnitude and direction of the voltage induced in winding 7 depends upon its position relative

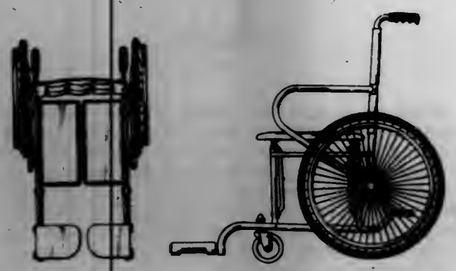


to windings 5 and 6. Each of the radially-extending core elements 8 has a winding leg 10 positioned at the radially inner portion of the core element and a yoke member 9 positioned at the radially outer portion of the core element. A shunt leg 11 extends from an axially intermediate portion of yoke 9 and provides a path for passage of magnetic flux between the yoke portion 9 and the leg member 10.

DESIGNS

OCTOBER 2, 1951

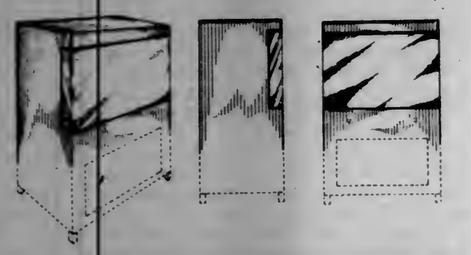
164,662
WHEEL CHAIR
Wilbur Henry Adams, Millcreek Township, Erie County, Pa., assignor to Erie City Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 7, 1949, Serial No. 5,355
Term of patent 7 years
(Cl. D15—1)





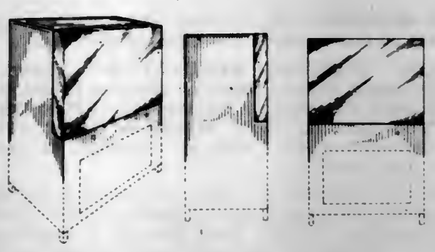
The ornamental design for a wheel chair, as shown.

164,663
TELEVISION CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 11, 1950, Serial No. 9,131
Term of patent 14 years
(Cl. D56—4)



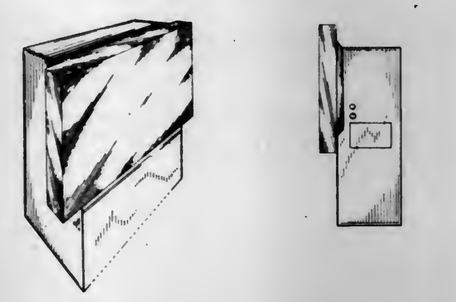
The ornamental design for a television cabinet or similar article, as shown and described.

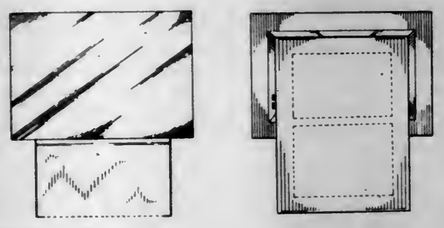
164,664
TELEVISION CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 11, 1950, Serial No. 9,132
Term of patent 14 years
(Cl. D56—4)



The ornamental design for a television cabinet or similar article, as shown and described.

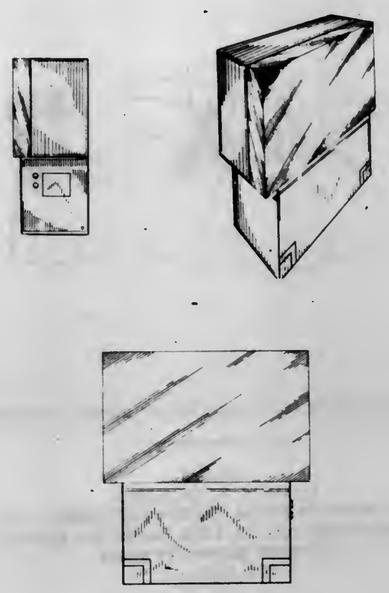
164,665
TELEVISION CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 11, 1950, Serial No. 9,133
Term of patent 14 years
(Cl. D56—4)





The ornamental design for a television cabinet or similar article, as shown and described.

164,666
TELEVISION CABINET OR SIMILAR ARTICLE
Jack Barofsky, Los Angeles, Calif.
Application April 11, 1950, Serial No. 9,135
Term of patent 14 years
(Cl. D56—4)



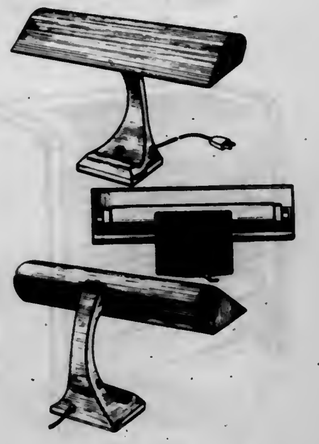
The ornamental design for a television cabinet or similar article, as shown and described.

164,667
BOOT
George H. Bingham, Jr., Taneytown, Md.
Application January 10, 1951, Serial No. 13,736
Term of patent 7 years
(Cl. D7—4)



The ornamental design for a boot, as shown.

164,668
DESK LAMP
Robert J. Carrithers, Lincolnwood, Ill.
Application July 21, 1950, Serial No. 11,304
Term of patent 7 years
(Cl. D48—20)



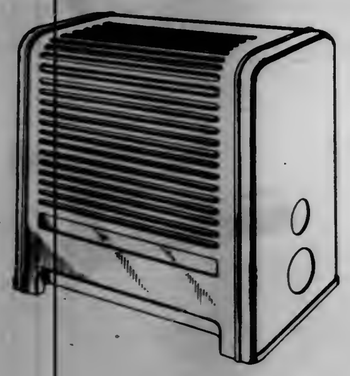
The ornamental design for a desk lamp, as shown.

164,669
COMPARTMENTED PLATE
Charles J. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application March 29, 1950, Serial No. 8,833
Term of patent 14 years
(Cl. D44—15)



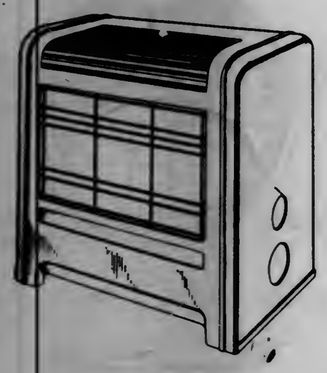
The ornamental design for a compartmented plate, as shown.

164,670
SPACE HEATER CASING OR SIMILAR ARTICLE
Roy G. Churan and Robert M. Lawless, Chicago, Ill., assignors to Inland Steel Container Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1949, Serial No. 4,878
Term of patent 14 years
(Cl. D81—19)



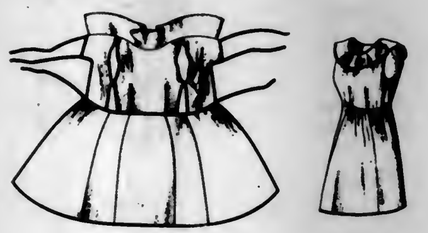
The ornamental design for a space heater casing, or similar article, substantially as shown and described.

164,671
CASING FOR SPACE HEATERS OR SIMILAR ARTICLES
Roy G. Churan and Robert M. Lawless, Chicago, Ill., assignors to Inland Steel Container Company, Chicago, Ill., a corporation of Illinois
Application September 7, 1949, Serial No. 4,880
Term of patent 14 years
(Cl. D81—19)



The ornamental design for casing for space heaters or similar articles, substantially as shown and described.

164,672
APRON
Frances Collingwood, New York, N. Y.
Application April 26, 1950, Serial No. 9,487
Term of patent 7 years
(Cl. D2—26)



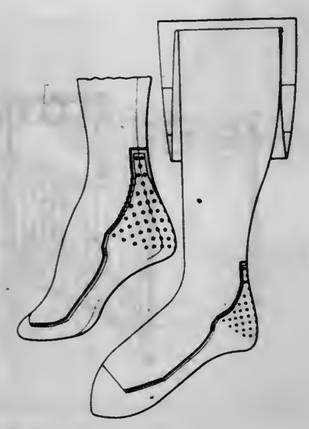
The ornamental design for an apron, as shown.

164,673
LADY'S STOCKING
Willy de Mond, Hollywood, Calif.
Application July 13, 1950, Serial No. 11,111
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

164,674
LADY'S STOCKING
Willy de Mond, Hollywood, Calif.
Application July 13, 1950, Serial No. 11,113
Term of patent 14 years
(Cl. D47—7)



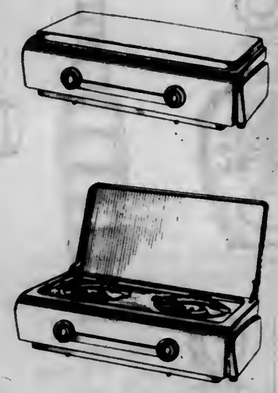
The ornamental design for a lady's stocking, as shown.

164,675
LADY'S STOCKING
Willy de Mond, Hollywood, Calif.
Application July 13, 1950, Serial No. 11,120
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a lady's stocking, as shown.

164,676
GAS TABLE STOVE
Henri Desguin, Koekelberg, and Nestor Sauvage, Berchem-Ste.-Agathe, Belgium, assignors to Fonderies Nestor Martin, Societe Anonyme, Berchem-Brussels, Belgium, a corporation of Belgium
Application May 11, 1951, Serial No. 15,141
In Italy November 17, 1950
Term of patent 14 years
(Cl. D81—10)



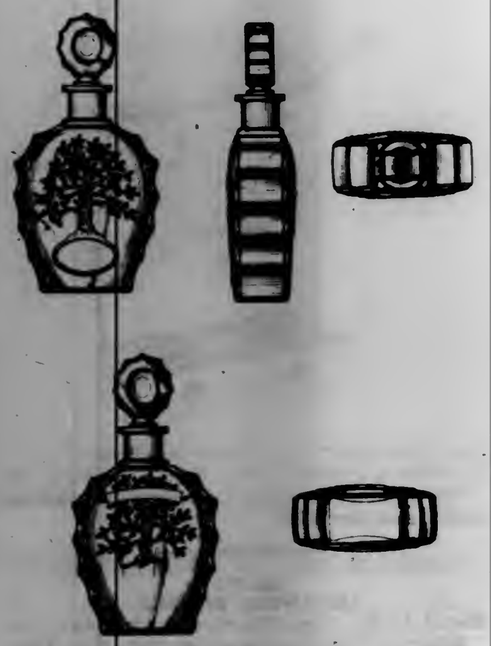
The ornamental design for a gas table stove, as shown and described.

164,677
DECANTER BOTTLE
Ernest L. Du Pree, Old Greenwich, Conn., assignor to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware
Application July 12, 1951, Serial No. 15,828
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a decanter bottle, as shown.

164,678
DECANTER BOTTLE
Ernest L. Du Pree, Old Greenwich, Conn., assignor to Schenley Industries, Inc., New York, N. Y., a corporation of Delaware
Application July 12, 1951, Serial No. 15,829
Term of patent 14 years
(Cl. D58—6)



The ornamental design for a decanter bottle, as shown.

164,679
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,031
Term of patent 7 years
(Cl. D5—5)



The ornamental design for an infant's crib, substantially as shown and described.

164,680
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,033
Term of patent 7 years
(Cl. D5—5)



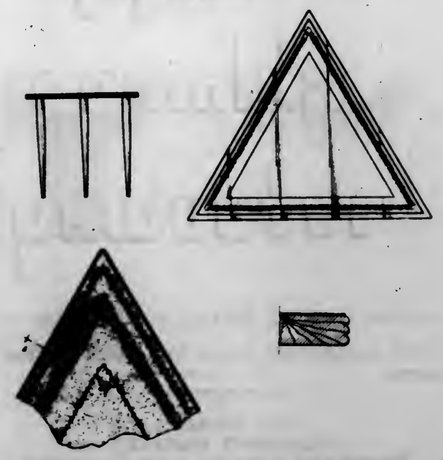
The ornamental design for an infant's crib, substantially as shown and described.

164,681
INFANT'S CRIB
Abraham G. Feldman, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois
Application September 2, 1950, Serial No. 12,034
Term of patent 7 years
(Cl. D5—5)



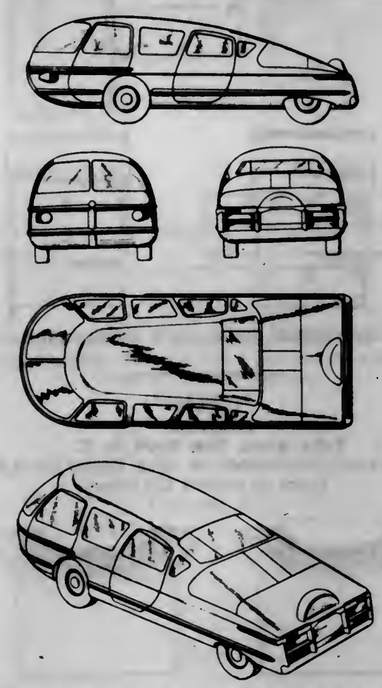
The ornamental design for an infant's crib, substantially as shown and described.

164,682
COCKTAIL TABLE OR THE LIKE
Frederick Bruce Forward, McGaheysville, Va.
Application April 1, 1949, Serial No. 1,751
Term of patent 14 years
(Cl. D32—14)



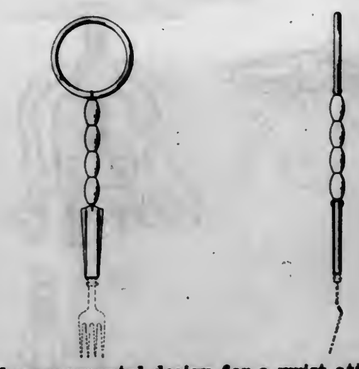
The ornamental design for a cocktail table or the like, as shown and described.

164,683
AUTOMOBILE
Albert E. Fry, Los Angeles, Calif.
Application June 20, 1949, Serial No. 3,419
Term of patent 14 years
(Cl. D14—3)



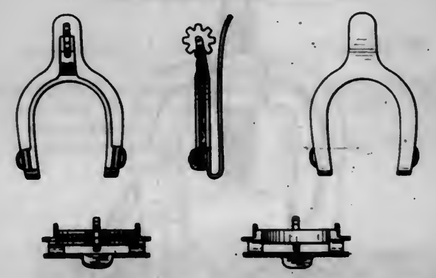
The ornamental design for an automobile, substantially as shown.

164,684
WRIST ATTACHMENT FOR INFANT'S EATING UTENSILS
Pearl Green, Brownsville, Pa.
Application July 3, 1950, Serial No. 10,934
Term of patent 14 years
(Cl. D54—12)



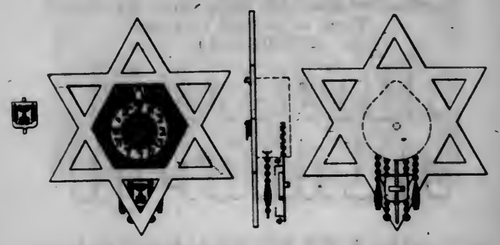
The ornamental design for a wrist attachment for infant's eating utensils, substantially as shown and described.

164,685
MONEY CLASP
Robert C. Haltom, Fort Worth, Tex.
Application July 27, 1950, Serial No. 11,433
Term of patent 14 years
(Cl. D17—10)



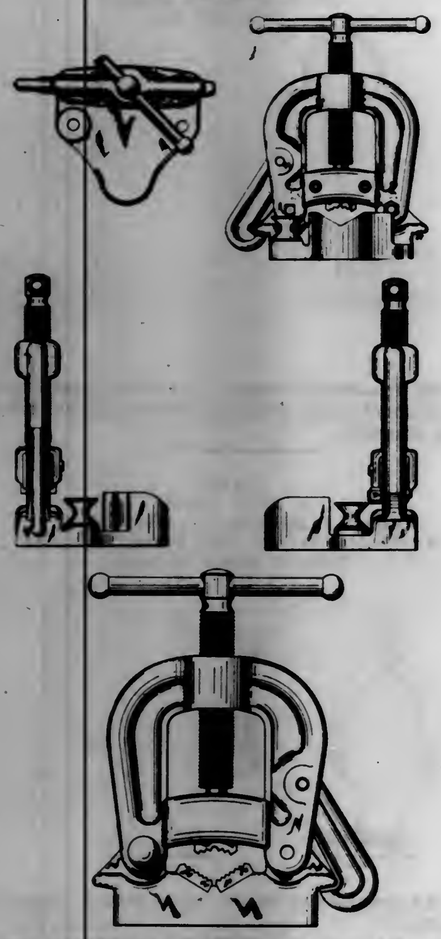
The ornamental design for a money clasp, as shown.

164,686
CLOCK OR SIMILAR ARTICLE
Isac Horowitz, New York, N. Y.
Application July 3, 1951, Serial No. 15,753
Term of patent 7 years
(Cl. D42—7)



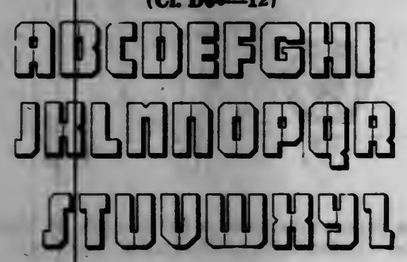
The ornamental design for a clock or similar article, substantially as shown and described.

164,687
PIPE VISE
Carl H. Ingwer and Clyde E. Wright, Elyria, Ohio
Application February 13, 1951, Serial No. 14,198
Term of patent 14 years
(Cl. D54—13)

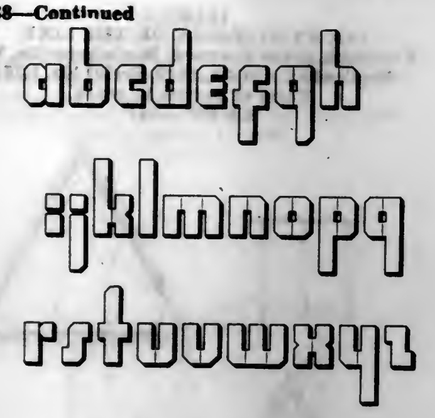


The ornamental design for a pipe vise substantially as shown.

164,688
FONT OF TYPE
Antonio C. Jimenez, New York, N. Y.
Application April 16, 1951, Serial No. 14,856
Term of patent 14 years
(Cl. D64—12)

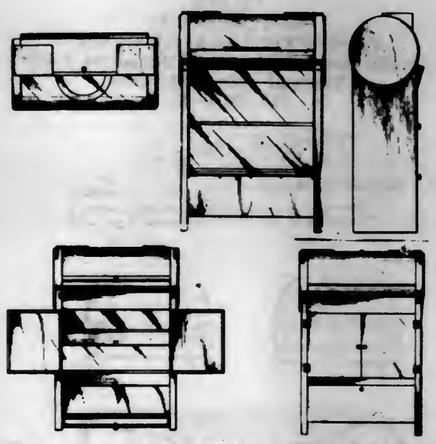


164,688—Continued



The ornamental design for a font of type, as shown.

164,689
DISPLAY CABINET
Clare Kafer, Palmyra, Mich., assignor to Revco, Inc., Deerfield, Mich.
Application May 4, 1950, Serial No. 9,700
Term of patent 7 years
(Cl. D86—11)



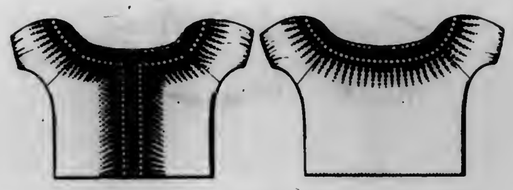
The ornamental design for a display cabinet, as shown.

164,690
BLOUSE
Jolly Kaye, New York, N. Y.
Application September 20, 1949, Serial No. 5,097
Term of patent 3½ years
(Cl. D3—25)



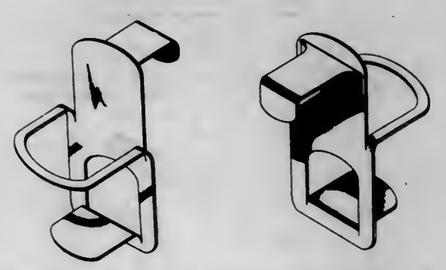
The ornamental design for a blouse, substantially as shown.

164,691
BLOUSE
Jolly Kaye, New York, N. Y.
Application September 20, 1949, Serial No. 5,099
Term of patent 3½ years
(Cl. D3—25)



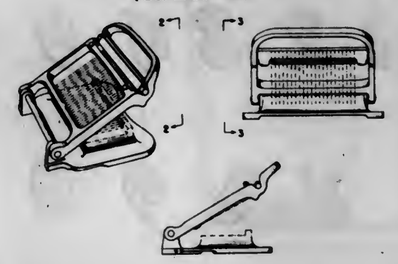
The ornamental design for a blouse, substantially as shown.

164,692
BOTTLE HOLDER
James C. Kelley, Trinity, Tex.
Application May 31, 1951, Serial No. 15,355
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a bottle holder, as shown.

164,693
SLICING DEVICE
Clarence R. Koons, Secaucus, N. J.
Application July 26, 1949, Serial No. 4,141
Term of patent 7 years
(Cl. D89—1)



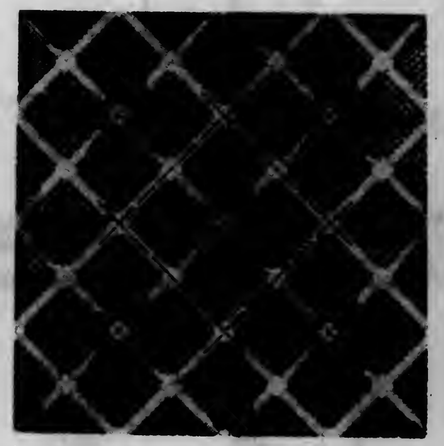
The ornamental design for a slicing device, as shown.

164,694
LINOLEUM OR SIMILAR ARTICLE
Andrew E. Lawrence, San Mateo, Calif., assignor to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware
Application March 19, 1951, Serial No. 14,545
Term of patent 7 years
(Cl. D92—17)



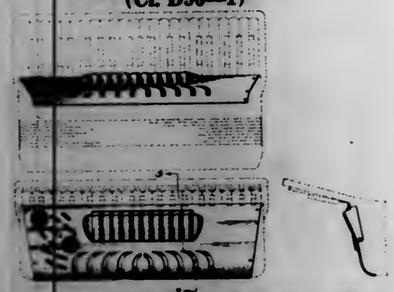
The ornamental design for linoleum or similar article, substantially as shown and described.

164,695
HARD SURFACE FLOOR COVERING OR SIMILAR ARTICLE
Andrew E. Lawrence, San Mateo, Calif., assignor to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware
Application April 17, 1951, Serial No. 14,872
Term of patent 14 years
(Cl. D92—17)



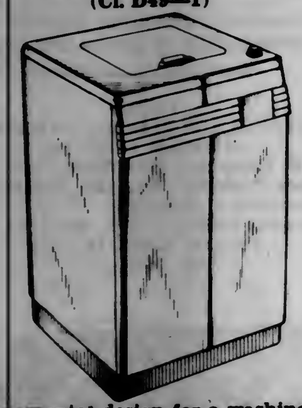
The ornamental design for a hard surface floor covering or similar article, substantially as shown and described.

164,696
TONE CONTROL KEY PANEL FOR ACCORDIONS
Aldo Logli, Detroit, Mich.
Application January 25, 1951, Serial No. 13,949
Term of patent 14 years
(Cl. D56—1)



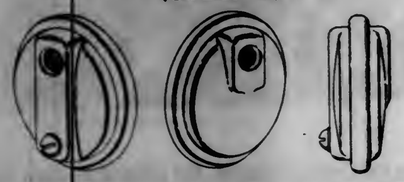
The ornamental design for a tone control key panel for accordions, as shown and described.

164,697
WASHING MACHINE
Joseph R. Mango, Chicago, Ill., assignor to Thor Corporation, Chicago, Ill., a corporation of Illinois
Application September 19, 1950, Serial No. 12,253
Term of patent 14 years
(Cl. D49—1)



The ornamental design for a washing machine substantially as shown and described.

164,698
GASOLINE FILTER
Verner P. Mathews, near Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 1, 1949, Serial No. 5,249
Term of patent 14 years
(Cl. D46—1)



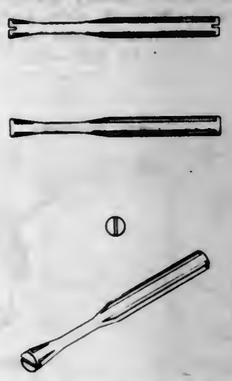
The ornamental design for a gasoline filter, as shown.

164,699
SUNMASK
Hugh C. McWilliams, San Antonio, Tex.
Application July 9, 1951, Serial No. 15,791
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a sunmask, as shown.

164,700
HAIR-WAVING ROD
Rose E. Melaro, Oakmont, Pa.
Application July 10, 1948, Serial No. 147,491
Term of patent 14 years
(Cl. D86—10)



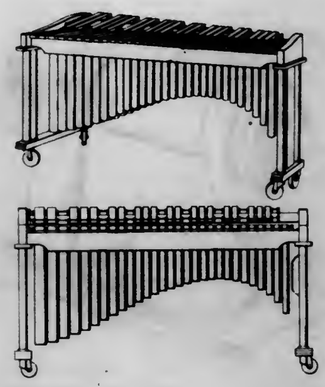
The ornamental design for a hair waving rod, as shown and described.

164,701
FONT OF NUMERALS
Francis E. Meyer, Lancaster, Pa.
Application November 4, 1950, Serial No. 12,849
Term of patent 14 years
(Cl. D64—12)



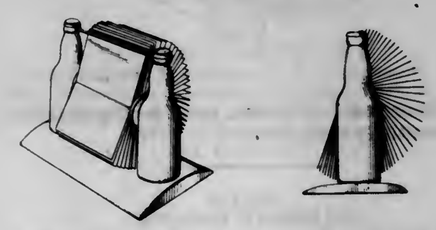
The ornamental design for a font of numerals, as shown and described.

164,702
MARIMBA
Lowell H. Montz, La Verne, Calif.
Application August 14, 1950, Serial No. 11,750
Term of patent 3½ years
(Cl. D56—1)



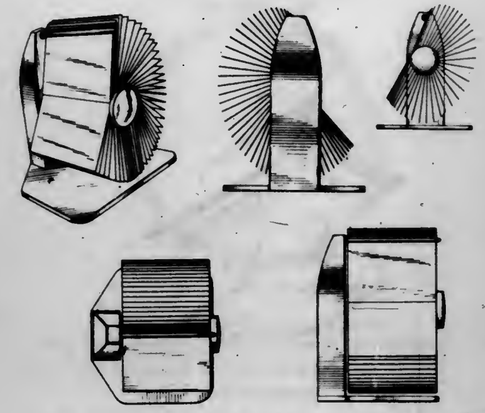
The ornamental design for a marimba, substantially as shown and described.

164,703
ADVERTISING DISPLAY
James L. D. Morrison, Benton Harbor, Mich.
Application May 26, 1951, Serial No. 15,321
Term of patent 3½ years
(Cl. D1—2)



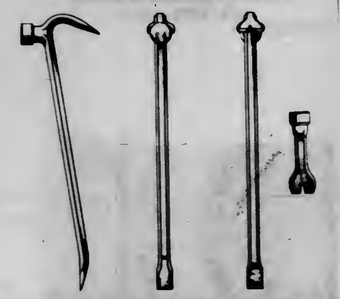
The ornamental design for an advertising display, as shown.

164,704
ADVERTISING DISPLAY
James L. D. Morrison, Benton Harbor, Mich.
Application May 26, 1951, Serial No. 15,322
Term of patent 3½ years
(Cl. D1—2)



The ornamental design for an advertising display, as shown.

164,705
COMBINATION HAMMER, NAIL-EXTRACTING CLAW, AND WRECKING TOOL
Henry Thomas Moses, Fulton, N. Y., assignor to William B. Colitre, Fulton, N. Y.
Application October 26, 1950, Serial No. 12,742
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a combination hammer, nail-extracting claw, and wrecking tool, as shown and described.

164,706
TROUSERS OR SIMILAR ARTICLE
William B. Murphy, Crandall, Tex.
Application January 18, 1951, Serial No. 13,852
Term of patent 14 years
(Cl. D8—17)



The ornamental design for trousers or similar article, substantially as shown and described.

164,707
BIRDHOUSE
Martin E. Nissen, Hutchinson, Minn.
Application November 9, 1949, Serial No. 5,941
Term of patent 7 years
(Cl. D31—2)



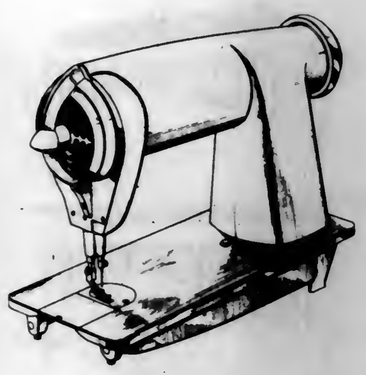
The ornamental design for a bird house, as shown.

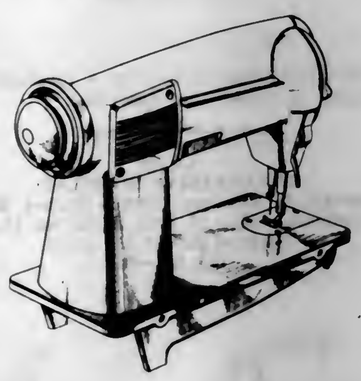
164,708
LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company, Philadelphia, Pa.
Application March 7, 1951, Serial No. 14,412
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a lace tablecloth, substantially as shown and described.

164,709
SEWING MACHINE
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 13, 1951, Serial No. 15,859
Term of patent 14 years
(Cl. D70—1)





The ornamental design for a sewing machine, substantially as shown.

164,710
GARMENT HANGER
Kathleen A. Perry, Lucan, Ontario, Canada
Application May 9, 1950, Serial No. 9,821
Term of patent 14 years
(Cl. D80—8)



The ornamental design for a garment hanger, as shown and described.

164,711
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application May 1, 1951, Serial No. 15,034
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

164,712
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,392
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

164,713
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,393
Term of patent 7 years
(Cl. D45—16)



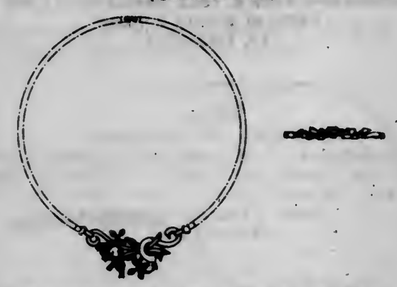
The ornamental design for a necklace or the like, substantially as shown and described.

164,714
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,394
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,715
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,395
Term of patent 7 years
(Cl. D45—16)



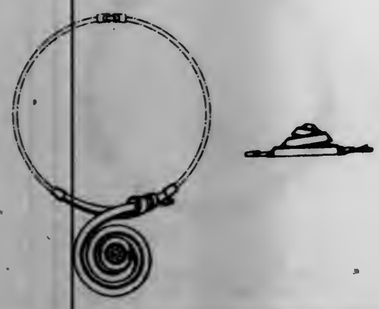
The ornamental design for a necklace or the like, substantially as shown and described.

164,716
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,396
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,717
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,397
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,718
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 4, 1951, Serial No. 15,398
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,719
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,444
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,720
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,446
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,721
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,447
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,722
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,448
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,723
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,449
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,724
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,450
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,725
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,452
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,726
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,453
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,727
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 11, 1951, Serial No. 15,494
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,728
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 11, 1951, Serial No. 15,495
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,729
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 11, 1951, Serial No. 15,496
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,730
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 11, 1951, Serial No. 15,497
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

164,731
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,551
Term of patent 7 years
(Cl. D45—9)



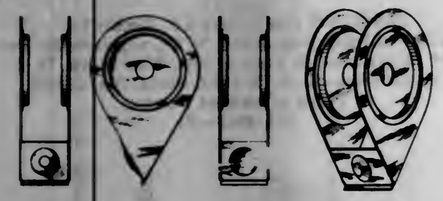
The ornamental design for an earring or similar article, substantially as shown.

164,732
CHAIR
Julius Popkin, Springfield, Mass., assignor to The Berkline Corporation, Chicoppe Falls, Mass., a corporation of Tennessee
Application April 14, 1950, Serial No. 9,207
Term of patent 7 years
(Cl. D15—1)



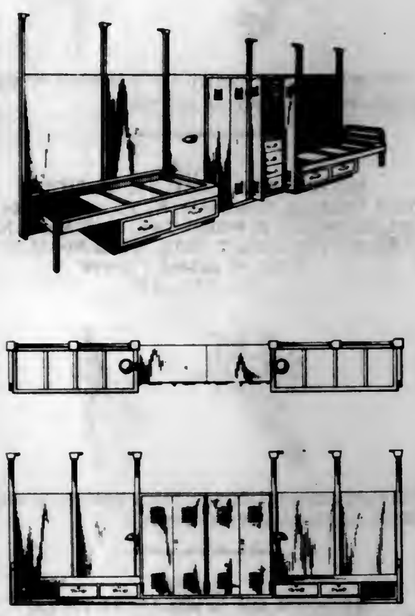
The ornamental design for a chair, as shown and described.

164,733
TAPE DISPENSER FRAME
Millard Pretzfelder, Jr., Plandome, N. Y., assignor to Paper Novelty Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application June 30, 1950, Serial No. 10,896
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a tape dispenser frame, substantially as shown and described.

164,734
CUBICLE PARTITION UNIT
Edward F. Quinn, Larchmont, N. Y., assignor to the United States of America as represented by the Secretary of the Army
Application May 16, 1950, Serial No. 9,966
Term of patent 3½ years
(Cl. D33—1)



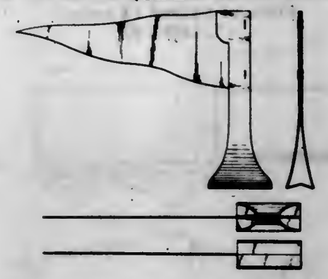
The ornamental design for a cubicle partition unit, substantially as shown and described.

164,735
PISTOL
William B. Ruger, Westport, Conn., assignor to Sturm, Ruger & Co., Inc., Southport, Conn., a corporation of Connecticut
Application April 29, 1950, Serial No. 9,594
Term of patent 14 years
(Cl. D30—1)



The ornamental design for a pistol, as shown and described.

164,736
ADVERTISING DEVICE
Edward Hardin Sanders, San Francisco, Calif.
Application October 8, 1948, Serial No. 149,040
Term of patent 3½ years
(Cl. D1—2)



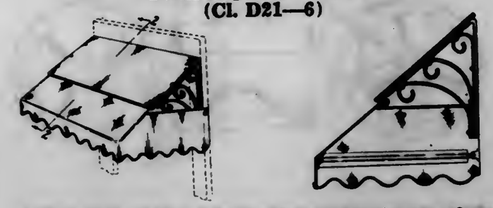
The ornamental design for an advertising device, as shown and described.

164,737
BELL
Sajjan S. Sarna, New York, N. Y.
Application February 28, 1951, Serial No. 14,333
Term of patent 7 years
(Cl. D10—4)



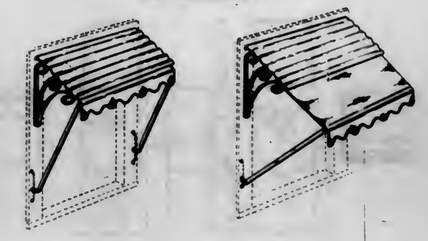
The ornamental design for a bell, as shown.

164,738
AWNING
Isidore P. Smith, Maumee, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 27, 1950, Serial No. 13,599
Term of patent 14 years
(Cl. D21—6)



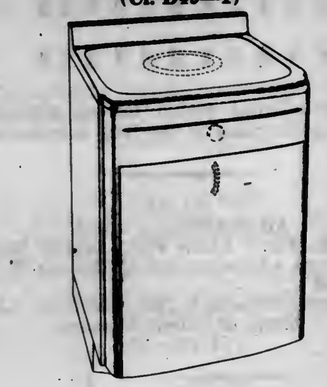
The ornamental design for an awning, as shown and described.

164,739
AWNING
Isidore P. Smith, Maumee, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application December 27, 1950, Serial No. 13,600
Term of patent 14 years
(Cl. D21—6)



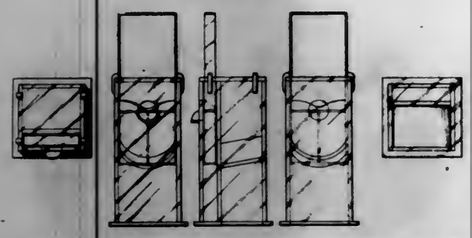
The ornamental design for an awning, as shown and described.

164,740
DISHWASHER CABINET
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application April 12, 1950, Serial No. 9,163
Term of patent 14 years
(Cl. D49—1)



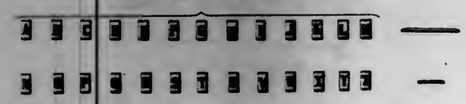
The ornamental design for a dishwasher cabinet, substantially as shown and described.

164,741
DISPENSER FOR OLIVES, CHERRIES, SMALL ONIONS, AND THE LIKE
Charles M. Stern and Gustave C. Cattani, San Francisco, Calif.
Application May 5, 1950, Serial No. 9,734
Term of patent 7 years
(Cl. D52—2)



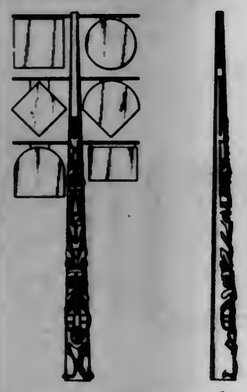
The ornamental design for a dispenser for olives, cherries, small onions, and the like, as shown.

164,742
ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Norman J. Stupell, New York, N. Y., assignor to Signa-Craft Inc., New York, N. Y., a corporation of New York
Application November 9, 1950, Serial No. 12,928
Term of patent 14 years
(Cl. D64—12)



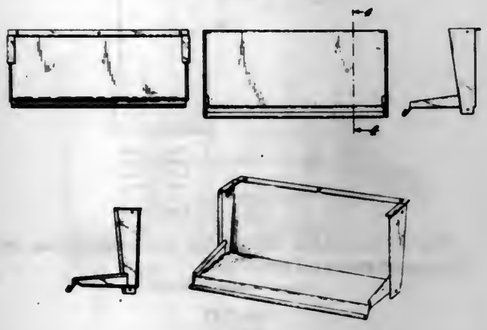
The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

164,743
ADVERTISING SIGN
Thomas R. Terry, Idaho Falls, Idaho; Woodrow Galt Terry administrator of Thomas R. Terry, deceased
Application March 8, 1950, Serial No. 8,388
Term of patent 14 years
(Cl. D1—12)



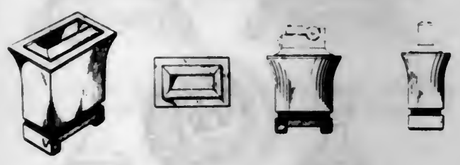
The ornamental design for an advertising sign, as shown.

164,744
DISPLAY SHELF
Ernest Frederick Thomson, North Salem, N. Y., assignor to The Globe-Wernicke Co., Norwood, Ohio, a corporation of Ohio
Application March 29, 1950, Serial No. 8,837
Term of patent 14 years
(Cl. D80—9)



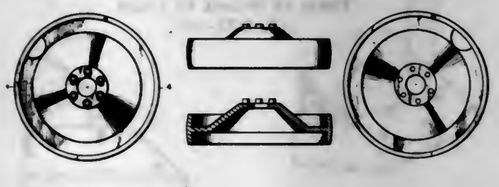
The ornamental design for a display shelf, substantially as shown.

164,745
TABLE LIGHTER HOLDER
Herman G. Treiss, Jr., Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 23, 1950, Serial No. 12,659
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a table lighter holder, as shown and described.

164,746
SAFETY DISK WHEEL
Louis Verderosa, Ozone Park, N. Y.
Application April 13, 1949, Serial No. 1,951
Term of patent 14 years
(Cl. D14—30)



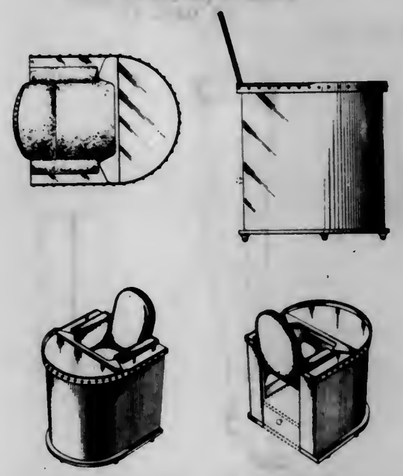
The ornamental design for a safety disk wheel, as shown.

164,747
TABLE ORNAMENT OR SIMILAR ARTICLE
William S. Warren, Meriden, Conn.
Application December 15, 1950, Serial No. 13,445
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a table ornament or similar article, substantially as shown.

164,748
CHILD'S PLAY BOOTH
James Moir Webster, Pelham, N. Y.
Application April 18, 1950, Serial No. 9,297
Term of patent 7 years
(Cl. D33—7)



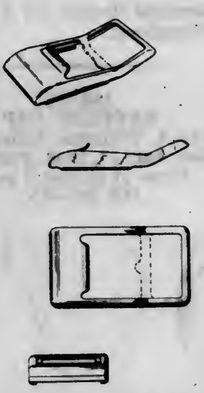
The ornamental design for a child's play booth, substantially as shown and described.

164,749
HOBBYHORSE
Hattie L. West, Shreveport, La.
Application November 7, 1950, Serial No. 12,868
Term of patent 14 years
(Cl. D34—15)



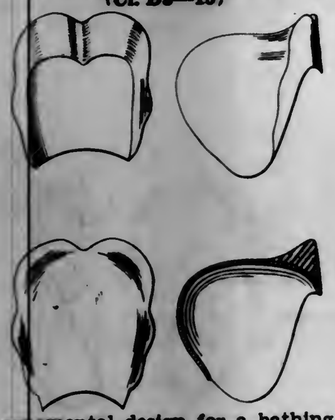
The ornamental design for a hobby horse, as shown and described.

164,750
BUCKLE FRAME
Paul W. White, New Haven, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1950, Serial No. 12,791
Term of patent 14 years
(Cl. D17—1)



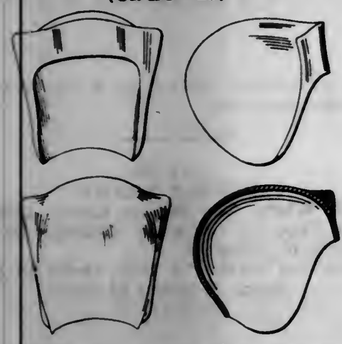
The ornamental design for a buckle frame, substantially as shown and described.

164,751
BATHING CAP
Betty A. Williams, Chicago, Ill.
Application February 10, 1950, Serial No. 7,863
Term of patent 7 years
(Cl. D3—15)



The ornamental design for a bathing cap, as shown and described.

164,752
BATHING CAP
Betty A. Williams, Chicago, Ill.
Application February 10, 1950, Serial No. 7,866
Term of patent 7 years
(Cl. D3—15)



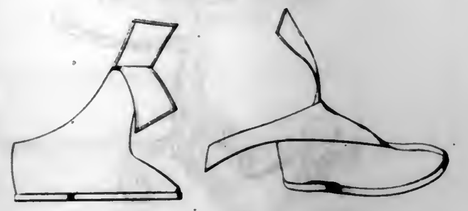
The ornamental design for a bathing cap, as shown and described.

164,753
BATHING CAP
Betty A. Williams, Chicago, Ill.
Application July 17, 1950, Serial No. 11,229
Term of patent 7 years
(Cl. D3—15)



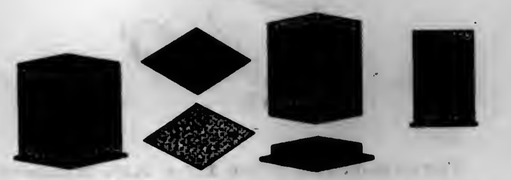
The ornamental design for a bathing cap, as shown.

164,754
SLIPPER OR SIMILAR ARTICLE
Anne Yandell, New York, N. Y.
Application December 1, 1949, Serial No. 6,366
Term of patent 7 years
(Cl. D7—7)



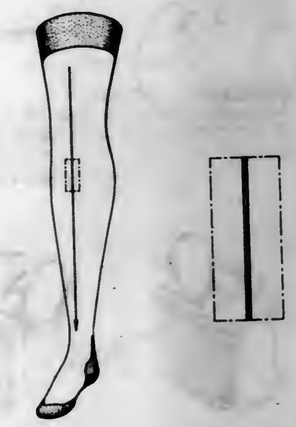
The ornamental design for a slipper or similar article, substantially as shown and described.

164,755
PERFUME BOX
James Leslie Younghusband, Chicago, Ill., assignor to Les Parfums De Dana, Inc., New York, N. Y., a corporation of New York
Application May 20, 1950, Serial No. 10,071
Term of patent 14 years
(Cl. D58—12)



The ornamental design for a perfume box, substantially as shown and described.

164,756
STOCKING
Alfred E. Ischinger, Reading, Pa.
Application July 20, 1951, Serial No. 15,967
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown and described.

October 9, 1951 Volume 651 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Accometer Corporation, Buffalo, N. Y. Automatic time operated job cost and attendance recording apparatus. Serial No. 606,928, Oct. 9. Class 26.

Adams, George W., F. L. Jandron, A. Pittman, L. I. Gwalter, and C. B. Craig, Boston, Mass., trustees under the will of M. B. G. Eddy, deceased. Grooved phonograph records. Serial No. 584,741, Oct. 9. Class 36.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated printing machines. Serial Nos. 602,661–3, Oct. 9. Class 21.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated machines. Serial No. 602,664, Oct. 9. Class 21.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Electrically operated printing machines. Serial No. 602,665, Oct. 9. Class 21.

Albers Milling Company, Oakland, Calif., Portland, Oreg., Seattle, Wash., and Los Angeles, Calif. Cereals. Serial No. 562,896, Oct. 9. Class 46.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. Serial No. 554,193, Oct. 9. Class 21.

All-Steel Equipment Inc., Aurora, Ill. Electrical boxes. Serial No. 554,196, Oct. 9. Class 21.

Alsop Engineering Corporation, Milldale, Conn. Electric motors, portable and fixed electrically driven industrial mixers, etc. Serial No. 576,787, Oct. 9. Class 21.

American Aniline Products, Inc., New York, N. Y. Defoaming agents. Serial No. 606,744, Oct. 9. Class 6.

American Drug & Chemical Co., Minneapolis, Minn. White disinfectant and preservative gaseous disk. Serial No. 595,816, Oct. 9. Class 6.

American Fiberlast Company, The, Augusta, Maine. Lightweight row boats, canoes and outboard motor boats. Serial No. 597,374, Oct. 9. Class 19.

American Seating Company, Grand Rapids, Mich. Various types of chairs. Serial No. 605,457, Oct. 9. Class 32.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical transmission lines. Serial No. 612,576, Oct. 9. Class 21.

American Swiss File & Tool Co., Elizabeth, N. J. Files. Serial No. 593,254, Oct. 9. Class 23.

Ames, Harris, Neville Co., San Francisco, Calif. Cotton fibre sacks. Serial No. 586,617, Oct. 9. Class 2.

Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Binoculars, object glass lenses, eyepieces, etc. Serial No. 578,948, Oct. 9. Class 26.

Ark-Homa Farms Frozen Foods, Inc., Fort Smith, Ark. Frozen fruits and vegetables. Serial No. 597,729, Oct. 9. Class 46.

Armour and Company, Chicago, Ill. Pork sausage. Serial No. 529,859, Oct. 9. Class 46.

Armour and Company, Chicago, Ill. Adrenocorticotrophic hormone. Serial No. 584,379, Oct. 9. Class 18.

Arnat Packing Co., Brooklyn, N. Y. Cocoa and coffee. Serial No. 581,546, Oct. 9. Class 46.

Arnold Products, Inc., Opalocka, Fla. Louver type windows and jalousies. Serial No. 601,400, Oct. 9. Class 12.

Artcrest Products Co. Inc., Chicago, Ill. Plastic tile. Serial No. 610,666, Oct. 9. Class 12.

Arthur-Lloyd Corp., The, New York, N. Y. Door interviewers. Serial No. 559,271, Oct. 9. Class 26.

Art Infants Wear, Inc., New York, N. Y. Children's underwear. Serial No. 606,997, Oct. 9. Class 39.

Artistic Manufacturing Co., Incorporated, New York, N. Y. Textile ribbons. Serial No. 605,888, Oct. 9. Class 42.

Ashkar, Albert J., also doing business as Albert J. Ashkar Co., Los Angeles, Calif. Fresh vegetables. Serial No. 608,807, Oct. 9. Class 46.

Ashkar, Albert J., Co.: *See*—
Ashkar, Albert J.

Associated Knitters, Inc., Reading, Pa. Men's, women's, boys', and girls' hosiery and ladies' underwear. Serial No. 584,745, Oct. 9. Class 39.

Associated Merchandising Corporation, The, New York, N. Y. Electric lamp shades. Serial No. 610,537, Oct. 9. Class 21.

Atalanta Trading Corporation, New York, N. Y. Canned shrimp. Serial No. 609,954, Oct. 9. Class 46.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Pressure tank sprinkler system storage tanks. Serial No. 608,848, Oct. 9. Class 2.

"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Fixed temperature types of sprinkler system control thermostats. Serial No. 608,858, Oct. 9. Class 26.

Baar & Beards, Inc., New York, N. Y. Women's and misses' scarves. Serial No. 608,695, Oct. 9. Class 39.

Baber, Alva, doing business as Baber's Supply Company, Sioux City, Iowa. Vitamin concentrates. Serial No. 593,774, Oct. 9. Class 18.

Baber's Supply Company: *See*—
Baber, Alva.

Bacharach Industrial Instrument Company, Pittsburgh, Pa. Testing instruments. Serial No. 570,038, Oct. 9. Class 26.

Balch Flavor Company: *See*—
Balch, Gerald G.

Balch, Gerald G., doing business as Balch Flavor Company, Pittsburgh, Pa. Fudge sauce. Serial No. 583,908, Oct. 9. Class 46.

Barker Bros. Corporation, Los Angeles, Calif. Towels. Serial No. 613,209, Oct. 9. Class 42.

Barker Bros. Corporation, Los Angeles, Calif. Blankets. Serial No. 613,210, Oct. 9. Class 42.

Beltx Corporation, St. Louis, Mo. Women's and girls' garters, hose supporters and blouse belts. Serial No. 588,474, Oct. 9. Class 39.

Benloffs Furs, Allentown, Pa. Fur coats, fur jackets, fur capes, etc. Serial No. 588,476, Oct. 9. Class 39.

Bennett Corporation, The, San Francisco, Calif. Flash attachment for cameras. Serial No. 614,184, Oct. 9. Class 26.

Berger & Plate Company of San Francisco, San Francisco, Calif. Canned fruits, canned vegetables, canned fish, etc. Serial No. 594,946, Oct. 9. Class 46.

"Bernard-Moteurs" S. A., Paris, France. Agricultural machines and implements. Serial No. 591,141, Oct. 9. Class 23.

"Bernard-Moteurs" S. A., Paris, France. Motors. Serial No. 591,142, Oct. 9. Class 23.

Big Jack Manufacturing Company, Inc., Bristol, Va. Boys' dungarees. Serial No. 594,948, Oct. 9. Class 39.

Bird, Virgil W., doing business as Stimulene Mfg. Co., Gallatin, Tenn. Chemical preparation. Serial No. 568,778, Oct. 9. Class 18.

Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Matches. Serial No. 608,740, Oct. 9. Class 9.

Blair Milling Company, The, Atchison, Kans. Wheat flour and stock and poultry feeds. Serial No. 536,578, Oct. 9. Class 46.

Blake, Moffitt & Towne, San Francisco, Calif. Bristol board paper. Serial No. 562,528, Oct. 9. Class 37.

Blue Ridge Glass Corporation, Kingsport, Tenn. Flat glass. Serial No. 534,987, Oct. 9. Class 33.

Blum, Chase, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Reading, Ohio. Weatherstrip-like material. Serial No. 584,791, Oct. 9. Class 12.

Blum Store, The, Philadelphia, Pa. Advising and assisting in planning of debuts and weddings. Serial No. 540,767, Oct. 9. Class 100.

Boker, H., & Company, Inc., New York, N. Y. Pocket knives. Serial No. 605,140, Oct. 9. Class 23.

Boker, H., & Company, Inc., New York, N. Y. Razors. Serial No. 605,141, Oct. 9. Class 23.

Bories Organization, Incorporated, The, New York, N. Y. Entertainment service. Serial No. 595,186, Oct. 9. Class 107.

Boston Drinking Cup Company: *See*—
Boston Envelope Company.

Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass. Paper drinking cups. Serial No. 536,226, Oct. 9. Class 2.

Boston Molasses Company, Boston, Mass. Molasses, honey and pancake syrup. Serial Nos. 523,359–60, Oct. 9. Class 46.

Brach, E. J., & Sons, Chicago, Ill. Candy. Serial No. 522,428, Oct. 9. Class 46.

Brauman, John Z., Inc., New York, N. Y. Neckwear. Serial No. 581,643, Oct. 9. Class 39.

Broemmel, George M., doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Intramuscular injection. Serial No. 527,114, Oct. 9. Class 18.

Broemmel Pharmaceuticals: *See*—
Broemmel, George M.

Brooks Brothers, New York, N. Y. Collars. Serial No. 605,987, Oct. 9. Class 39.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cushions. Serial No. 612,946, Oct. 9. Class 22.

Bryce Brothers Company, Mount Pleasant, Pa. All shapes and types of glass stemware and tumblers. Serial No. 564,605, Oct. 9. Class 33.

Buckingham Silver Co., The, assignee: *See*—
Ellmore Silver Co., Inc., The.

Bunny Bear, Inc., Everett, Mass. Infants' portable chairs, seats, and beds for use in automobiles. Serial No. 550,992, Oct. 9. Class 19.

Burlington Mills Incorporated, Burlington, Wis. Brief cases and hand luggage. Serial No. 563,899, Oct. 9. Class 3.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. Serial No. 612,585, Oct. 9. Class 21.

Burton-Dixie Corporation, Chicago, Ill. Combination bed and divan. Serial No. 600,025, Oct. 9. Class 32.
California Grape Products Company, Ltd., New York, N. Y. Wines. Serial No. 582,412, Oct. 9. Class 47.
California Turkey Growers Association, San Francisco, Calif. Poultry. Serial No. 588,547, Oct. 9. Class 46.
Carafioi, Alex, Inc., St. Louis, Mo. Women's, misses' and junior misses' dresses, frocks, and blouses. Serial No. 534,997, Oct. 9. Class 39.
Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company. Permanent magnets and magnetic alloys and compositions. Serial No. 607,215, Oct. 9. Class 21.
Carey-McNeil Company, Philadelphia, Pa. Machine for the production of Venetian blind steel head channels, steel bottom rails, etc. Serial No. 599,082, Oct. 9. Class 23.
Carey, Philip, Manufacturing Company, The, Cincinnati, Ohio. Asbestos insulation material. Serial No. 556,409, Oct. 9. Class 12.
Carpenter & Co.: *See*—
White, Garrett R.
Carrier Corporation, Syracuse, N. Y. Mechanical refrigeration apparatus. Serial No. 601,309, Oct. 9. Class 31.
Central Chemical Corporation, Hagerstown, Md. Agricultural fungicides. Serial No. 574,409, Oct. 9. Class 6.
Central Petroleum Company, Cleveland, Ohio. Exterior aluminum paint. Serial No. 534,741, Oct. 9. Class 16.
Cetylite Industries, Inc., New York and Long Island City, N. Y. Antiseptic and disinfecting agent. Serial No. 608,238, Oct. 9. Class 18.
Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, Chase.
Churchey Products Company: *See*—
Churchey, Theodore.
Churchey, Theodore, doing business as Churchey Products Company, Brockton, Mass. Wax-containing liquid cleaner, etc. Serial No. 568,426, Oct. 9. Class 4.
Cloverly Plastics, Inc., New York, N. Y. Window draperies, bed spreads, vanity skirts, etc. Serial No. 598,293, Oct. 9. Class 42.
Club Razor & Blade Manufacturing Corp., Newark, N. J. Razor blades. Serial No. 597,251, Oct. 9. Class 23.
Cluett, Peabody & Co., Inc., Troy, N. Y. Men's and boys' outer shirts. Serial No. 608,197, Oct. 9. Class 39.
Colormatic Co. of America, Kansas City, Mo. Photographic cameras, photographic dark rooms, etc. Serial No. 569,91, Oct. 9. Class 26.
Columbia Mills, Inc., The, Syracuse, N. Y. Wooden and laminated shade rollers. Serial No. 609,077, Oct. 9. Class 32.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned, fresh, and fresh frozen fish. Serial Nos. 608,780–1, Oct. 9. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. Serial No. 608,784, Oct. 9. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned fish. Serial Nos. 608,786–7, Oct. 9. Class 46.
Columbia River Packers Association, Inc., Astoria, Oreg. Canned, fresh, and fresh frozen fish. Serial No. 611,406, Oct. 9. Class 46.
Compagnie Generale D'Electricite, Paris, France. Electric generators and motors, electric batteries, etc. Serial No. 607,580, Oct. 9. Class 21.
Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Hot plates and lamp stoves. Serial No. 613,586, Oct. 9. Class 34.
Cooper Manufacturing Company, Marshalltown, Iowa. Lawn mowers. Serial No. 534,878, Oct. 9. Class 23.
Copeman Laboratories Company, Flint, Mich. Cohesive latex. Serial No. 593,623, Oct. 9. Class 1.
Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical condensers. Serial Nos. 611,686–7, Oct. 9. Class 21.
Craig, Clayton B.: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.
Creese and Cook Company, Danvers, Mass. Calfskin leather. Serial No. 602,891, Oct. 9. Class 1.
Crown Zellerbach Corporation, doing business as the National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper napkins, paper towels and toilet tissue. Serial No. 542,006, Oct. 9. Class 37.
Crown Zellerbach Corporation, doing business as National Paper Products Company, San Francisco, Calif. Toilet tissue. Serial No. 582,725, Oct. 9. Class 37.
Defiance Manufacturing Company, Inc., Los Angeles, Calif. Luminous fluorescent signs and displays and parts thereof. Serial No. 601,538, Oct. 9. Class 21.
Desert Bloom: *See*—
Hunger, William E.
Dick, A. B., Company, Niles, Ill. Planographic printing machines. Serial No. 608,652, Oct. 9. Class 23.
Dorchester Pharmacy, Inc., Washington, D. C. Chewing gum. Serial No. 611,219, Oct. 9. Class 46.
Dow Chemical Company, The, Midland, Mich. Diphenol-containing preparation. Serial No. 602,026, Oct. 9. Class 18.
Drach, Abraham, Outremont, Montreal, Canada. Cooked and smoked meats. Serial No. 592,421, Oct. 9. Class 46.
Eaton Paper Corporation, Pittsfield, Mass. Hand and desk blotters, desk pads, desk calendars, etc. Serial No. 592,262, Oct. 9. Class 37.
Eddy, Mary B. G.: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.
Edwards-Freeman, Inc., Philadelphia, Pa. Shelled and unshelled, salted and unsalted mixed nuts. Serial No. 593,267, Oct. 9. Class 46.
Ellicott Paint Co., Inc., Buffalo, N. Y. Turpentine, linseed oil, linseed replacement oil, etc. Serial No. 609,480, Oct. 9. Class 16.
Ellmore Silver Co., Inc., The, assignor to The Buckingham Silver Co., Meriden, Conn. Combination coaster and ash tray. Serial No. 584,979, Oct. 9. Class 8.
Elsinger, Louis S., Atlanta, Ga., assignor to The Show off Corporation, Dover, Del. Dog collars. Serial No. 605,092, Oct 9. Class 3.
Eppens, Smith Company, Inc.: *See*—
Holland House Coffee and Tea Corp.
Eskimo Pie Corporation, Bloomfield, N. J. Chocolate coatings. Serial No. 584,532, Oct. 9. Class 46.
Ettinger Manufacturing Company, Chicago, Ill. Electric sleeping pads. Serial No. 606,304, Oct. 9. Class 21.
Fairbanks, Robert M., Bradenton, Fla. Portable electric broilers. Serial No. 598,415, Oct. 9. Class 21.
Ferro Enamel Corporation, Cleveland, Ohio. Clays. Serial Nos. 602,383–4, Oct. 9. Class 1.
Flowola Plastic Flower Company, Marfa, Tex. Artificial plastic flowers. Serial No. 596,334, Oct. 9. Class 50.
Food Sales Company: *See*—
Stone, J. A.
Formsprag Company, assignee: *See*—
Gear Grinding Machine Company, The.
Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 596,409, Oct. 9. Class 42.
French Sardine Company of California, The, Terminal Island, Calif. Canned fish. Serial No. 585,581, Oct. 9. Class 46.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics. Serial No. 606,009, Oct. 9. Class 42.
Galter Products Company, Chicago, Ill. Electric clocks. Serial No. 591,080, Oct. 9. Class 27.
Gamble-Skogmo, Inc., Minneapolis, Minn. Wall paper. Serial No. 603,057, Oct. 9. Class 37.
Gear Grinding Machine Company, The, Hamtramck, assignor to Formsprag Company, Van Dyke, Mich. One-way rotary clutch. Serial No. 510,384, Oct. 9. Class 23.
General Electric Company: *See*—
Carboloy Company, Inc.
Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Dress and suit fabrics. Serial No. 601,323, Oct. 9. Class 42.
Globe Roofing Products Co., Inc., Whiting, Ind. Surfacing materials. Serial No. 591,847, Oct. 9. Class 12.
Goodall-Sanford, Inc., Sanford, Maine. Piece goods. Serial No. 583,753, Oct. 9. Class 42.
Goulds Pumps, Inc., Seneca Falls, N. Y. Centrifugal pumps. Serial No. 589,084, Oct. 9. Class 23.
Greeley Spud Chip Company, Greeley, assignor to Spud Chips Inc., Weld County, Colo. Potato chips. Serial No. 521,517, Oct. 9. Class 46.
Green Textile Associates, Incorporated, Boston, Mass. Cotton waste. Serial No. 596,913, Oct. 9. Class 1.
Grems, Colis R., doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg. Roof paint. Serial No. 602,760, Oct. 9. Class 16.
Grems Mfg. Co.: *See*—
Grems, Colis R
Gwalter, L. Ivimy: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig
Haloid Company, The, Rochester, N. Y. Developers consisting of a mixture of electroscopic powder and granular material. Serial No. 582,683, Oct. 9. Class 6.
Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii. Canned tuna. Serial Nos. 607,500–01, Oct. 9. Class 46.
Hego Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 612,910, Oct. 9. Class 42.
Heller, B., & Company, Chicago, Ill. Cleaner and lubricant. Serial No. 595,320, Oct. 9. Class 52.
Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio, and St. Louis, Mo. Commercial electrically heated, electrically operated apparatus. Serial No. 562,857, Oct. 9. Class 21.
Hoek, Leo A., Los Angeles, Calif. Electrically driven sharpener. Serial No. 602,406, Oct. 9. Class 21.
Holland House Coffee and Tea Corp., Long Island City, N. Y., assignee of Eppens, Smith Company, Inc. Coffee. Serial No. 589,933, Oct. 9. Class 46.
Hung, Tang K., carrying on business under the name of Wang Yick Fireworks Company, Victoria, Colony of Hong Kong. Fireworks. Serial No. 597,362, Oct. 9. Class 9.
Hunger, William E., doing business as Desert Bloom, Los Angeles, Calif. Facial pack. Serial No. 516,610, Oct. 9. Class 51.
Imperial Chemical Industries Limited, London, England. Fishing lines and leaders, strings for tennis racquets, etc. Serial No. 594,788, Oct. 9. Class 22.
Imperial Pearl Syndicate, Inc., Chicago, Ill. Simulated pearls and simulated pearl jewelry. Serial No. 594,545, Oct. 9. Class 28.

International Silver Company, The, Meriden, Conn. Sterling silver table ware. Serial No. 587,334, Oct. 9. Class 28.
Jandron, Francis L.: *See*—
Adams, George W., Jandron, Pittman, Gwalter, and Craig.
Jefferson Electric Company, Bellwood, Ill. Electric clocks. Serial No. 592,636, Oct. 9. Class 27.
Jennison, W. J., Company, Minneapolis, Minn. First clear wheat flour. Serial No. 586,414, Oct. 9. Class 46.
Jokari Corporation, New York, N. Y. Outdoor games. Serial No. 597,338, Oct. 9. Class 22.
Jones, Paul, and Company, Inc., Baltimore, Md. Alcoholic beverages. Serial Nos. 606,608–09, Oct. 9. Class 49.
Jones, Paul, and Company, Inc., Baltimore, Md. Alcoholic beverages. Serial No. 609,803, Oct. 9. Class 49.
Jugtown Mountain Smokehouse, Flemington, N. J. Smoked turkeys, smoked hams, smoked bacon, etc. Serial No. 597,885, Oct. 9. Class 46.
Jung Products Inc., Cincinnati, Ohio. Foot corrective appliances. Serial No. 608,190, Oct. 9. Class 44.
Kaylon Incorporated, New York, N. Y. Men's, women's and children's pajamas, pajama coats, beach coats, and bath robes. Serial No. 581,266, Oct. 9. Class 39.
Kiener Coal Company, The, Cleveland, Ohio. Coal. Serial No. 567,741, Oct. 9. Class 1.
Kina Rok, Charenton, (Seine) France. Aperitive wine. Serial No. 563,068, Oct. 9. Class 47.
King Maljan & Company, El Centro, Calif. Fresh vegetables. Serial No. 609,135, Oct. 9. Class 46.
Kleenpak Incorporated, Atlanta, Ga. Disposable fountain syringes. Serial No. 608,170, Oct. 9. Class 44.
Klenzade Products, Incorporated, Beloit, Wis. Organic detergents. Serial No. 583,043, Oct. 9. Class 52.
Klik Enterprises, Inc., New York, N. Y. Pens and pencils. Serial Nos. 605,162–3, Oct. 9. Class 37.
L R M Medicine Company, Augusta, Ga. Medicinal preparation. Serial No. 607,899, Oct. 9. Class 18.
Lance, Inc., Charlotte, N. C. Salted peanuts, peanut butter sandwiches, cakes, etc. Serial No. 573,131, Oct. 9. Class 46.
La Primadora Cigar Corporation, New York, N. Y. Cigars. Serial No. 609,342, Oct. 9. Class 17.
Leader Specialty Company, Indianapolis, Ind. Bibb washers, gaskets, spud washers, etc. Serial No. 531,921, Oct. 9. Class 35.
Lehon Company, The, Chicago, Ill. Paper napkins. Serial No. 610,219, Oct. 9. Class 37.
Lektrolite Corporation, New York, N. Y. Metallic surface coating. Serial No. 504,441, Oct. 9. Class 6.
Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Liquid preparation for the treatment of burns. Serial No. 606,317, Oct. 9. Class 18.
Lewis, Dallas B., doing business as Ross Food Co., assignor to Lewis Food Co., Los Angeles, Calif. Cat food. Serial No. 545,135, Oct. 9. Class 46.
Lewis Food Co.: *See*—
Lewis, Dallas B.
Liberty Trouser & Overall Co., Birmingham, Ala. Slacks. Serial No. 591,936, Oct. 9. Class 39.
Licorice Products Company, Dubuque, Iowa. Licorice confections. Serial No. 587,271, Oct. 9. Class 46.
Lincoln, Joseph, Manufacturing Company, Inc., Covington, Ohio. Hat covers. Serial No. 567,866, Oct. 9. Class 39.
"Little Joe" Wiesenfeld Co., Baltimore, Md. Saddlery hardware. Serial No. 604,976, Oct. 9. Class 3.
Lisa-Jean Sweets, Inc., Cleveland, Ohio. Cookies. Serial No. 588,035, Oct. 9. Class 46.
Lockheed Aircraft Corporation, Burbank, Calif. Detachable external cargo containers for attachment to airplanes. Serial No. 542,774, Oct. 9. Class 19.
Luxem, James P., Co., The, Chicago, Ill. Folding tables and folding chairs. Serial No. 601,110, Oct. 9. Class 32.
Magee Carpet Company, The, Bloomsburg, Pa. Textile carpets and rugs. Serial No. 605,364, Oct. 9. Class 42.
Markt & Hammacher Company, New York, N. Y. Fiber block brake linings, transmission linings, etc. Serial No. 610,085, Oct. 9. Class 35.
Marshall Field & Company, Chicago, Ill. Assorted hard candies. Serial No. 571,281, Oct. 9. Class 46.
Mason Co., Inc., Atlantic City, N. J. Canned vegetables, canned fruits, canned tomato juice and canned puree. Serial No. 595,115, Oct. 9. Class 46.
Mautz Paint & Varnish Company, Madison, Wis. Ready mixed paints. Serial No. 540,296, Oct. 9. Class 16.
May Hosiery Mills, Nashville, Tenn. Hosiery. Serial No. 593,928, Oct. 9. Class 39.
McDonald Industries, Inc., Boston, Mass. Heat treated mineral dehumidifying materials. Serial No. 588,765, Oct. 9. Class 6.
Menorah Poultry Co., Arverne, N. Y. Dressed and barbecued poultry. Serial No. 613,180, Oct. 9. Class 46.
Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Women's hats and hat bodies. Serial No. 525,640, Oct. 9. Class 39.
Military Service Company, The, Birmingham, Ala. Writing desks, tables, chairs, etc. Serial No. 591,503, Oct. 9. Class 32.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Vitamin B_{12}. Serial No. 594,274, Oct. 9. Class 18.
Millers Falls Company, Greenfield, Mass. Saw blades. Serial No. 545,870, Oct. 9. Class 23.
Mills, LeRoy G., doing business as The LeRoy G. Mills Company, New York, N. Y. Suggestion box. Serial No. 590,906, Oct. 9. Class 2.
Mills, LeRoy G., Company, The: *See*—
Mills, LeRoy G.
Minnesota Wholesalers, Inc., Minneapolis, Minn. Saddles, saddle bags, bridles, etc. Serial No. 597,410, Oct. 9. Class 3.
Modern Food Process Co.: *See*—
Rosenberg, Louis.
Moe Light, Inc., Fort Atkinson, Wis. Electric lighting fixtures. Serial No. 610,860, Oct. 9. Class 21.
Moj Products Corporation: *See*—
Wilson-Simon Foods, Inc.
Monarch Machine Tool Company, The, Sidney, Ohio. Turning machine. Serial No. 610,451, Oct. 9. Class 23.
Monark Silver King, Inc., Chicago, Ill. Lawnmowers. Seriel No. 604,790, Oct. 9. Class 23.
Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Cigarettes. Serial No. 608,464, Oct. 9. Class 17.
Moyer, H. L., Company, Inc., Bloomsburg, Pa. Expectorant for coughs. Serial No. 513,189, Oct. 9. Class 18.
Mullins Manufacturing Corporation, Salem and Warren, Ohio. Counter tops for kitchen cabinets. Serial No. 609,250, Oct. 9. Class 32.
Murgatroyd, Leslie, doing business as Perma-Knot Tie Company, Williamsville, N. Y. Pre-tied neckties and bow ties. Serial No. 607,260, Oct. 9. Class 39.
N & W Industries, Inc., Lynchburg, Va. One-piece work garment. Serial No. 596,043, Oct. 9. Class 39.
Nata Products Company: *See*—
Crown Zellerbach Corporation.
National Dairy Products Corporation, New York, N. Y. Flavored milk beverage. Serial No. 609,187, Oct. 9. Class 46.
National Engineering Company, Chicago, Ill. Mulling machines. Serial No. 602,416, Oct. 9. Class 23.
National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.
National Paper Products Company: *See*—
Crown Zellerbach Corporation.
National Tea Co., Chicago, Ill. Bread. Serial No. 516,995, Oct. 9. Class 46.
New York Pattern Company, The, New York, N. Y. Embroidery patterns. Serial No. 606,043, Oct. 9. Class 40.
Northrup, King & Co., Minneapolis, Minn. Lawn fertilizer. Serial No. 610,453, Oct. 9. Class 10.
Officine Elettromeccaniche Pugliolt & Co., Ferrara, Italy. Dynamos, current generators, electric bicycle and motorcycle head and rear lamps, etc. Serial No. 586,104, Oct. 9. Class 21.
Orchard Paper Co., St. Louis, Mo. Wrapping paper. Serial No. 605,047, Oct. 9. Class 37.
Oregon Worsted Co., Portland, Oreg. Worsted cloth. Serial No. 612,755, Oct. 9. Class 42.
Organon Inc., Orange, N. J. Preparation used in the manufacture of hormonal parenterals. Serial No. 608,216, Oct. 9. Class 18.
Orianna Metal Products, Inc., Philadelphia, Pa. Toy dog. Serial No. 553,896, Oct. 9. Class 22.
Ottawa Chemical Company, The, Toledo, Ohio. Chemical compositions. Serial No. 604,103, Oct. 9. Class 18.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics. Serial No. 612,821, Oct. 9. Class 42.
Pan American Trade Development Corp., New York, N. Y. Non-metallic brake linings and clutch facings. Serial No. 605,868, Oct. 9. Class 35.
Pangborn Corporation, Hagerstown, Md. Industrial air filters. Serial No. 601,562, Oct. 9. Class 31.
Pantasote Co., The, Passaic, N. J., and New York, N. Y. Plastic material. Serial Nos. 606,674–5, Oct. 9. Class 50.
Patterson-Sargent Company, The, Cleveland, Ohio. Ready-mixed paints. Serial No. 570,792, Oct. 9. Class 16.
Pawling Rubber Corporation, Pawling, N. Y. Door mats and floor mats. Serial No. 585,858, Oct. 9. Class 50.
Pecora Paint Co., Philadelphia, Pa. Interior and exterior house paints, varnishes and air-drying enamels. Serial No. 579,290, Oct. 9. Class 16.
Peoples Drug Stores, Inc., Washington, D. C. Candy. Serial No. 607,826, Oct. 9. Class 46.
Peoples' Laboratory Service, Inc., Miami, Fla. Vitamin capsules. Serial No. 608,376, Oct. 9. Class 18.
Perma-Knot Tie Company: *See*—
Murgatroyd, Leslie.
Peters, Phyllis, Miami, Fla. Decorative dolls. Serial No. 579,887, Oct. 9. Class 22.
Pharma-Craft Corporation, The, New York, N. Y. Cream deodorant. Serial Nos. 608,621–2, Oct. 9. Class 51.
Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress shirts, negligee shirts, work shirts, etc. Serial No. 593,547, Oct. 9. Class 39.
Phillips-Jones Corporation, New York, N. Y. Men's, women's, boys' and girls' outer shirts and men's and boys' ties. Serial No. 594,062, Oct. 9. Class 39.
Phillips Petroleum Company, Bartlesville, Okla. Livestock spray, liquid radiator stop leak, etc. Serial No. 575,426, Oct. 9. Class 6.
Pickapeppa Company, Ltd., Shooters Hill, Jamaica, British West Indies. Blended sauce of fruits, vegetables and spice. Serial No. 600,548, Oct. 9. Class 46.
Pierce, F. O., Company, Long Island City, N. Y. Enamel and flat paints. Serial No. 594,576, Oct. 9. Class 16.

Pittman, Alfred, trustee: *See*—
Adams, George W.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Paint products. Serial No. 606,897, Oct. 9. Class 16.
Plax Corporation, West Hartford, Conn. Film, rod, tubing, tape and sheet formed of resinous plastic materials. Serial No. 572,119, Oct. 9. Class 1.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Electrical apparatus. Serial No. 608,566, Oct. 9. Class 21.
Pre-Carb Root Beer Co. of America, Altadena, Calif. Root beer and its concentrate. Serial No. 572,202, Oct. 9. Class 45.
Prize-Pop Confections, Inc., Tullahoma, Tenn. Candy coated pop corn. Serial No. 593,499, Oct. 9. Class 46.
Pully, Helen R., Jacksonville Beach, Fla. Men's, women's and children's shirts. Serial No. 603,079, Oct. 9. Class 39.
Pure Oil Company, The, Chicago, Ill. Rear view mirrors for automotive vehicles. Serial No. 610,024, Oct. 9. Class 13.
Puryear Sales Co., The, Clarinda, Iowa. Cake decorator sets. Serial No. 579,453, Oct. 9. Class 23.
Quest-Shoe Mark Brassiere Co., Inc., Brooklyn, N. Y. Brassieres. Serial No. 610,229, Oct. 9. Class 39.
Rilling Company, New York, N. Y. Hair waving solutions. Serial Nos. 606,222–3, Oct. 9. Class 51.
Roman Reichert Company, Inc., Chicago, Ill. Sewing machine cabinets. Serial No. 607,520, Oct. 9. Class 32.
Rosedale Knitting Company, Reading, Pa. Hosiery. Serial No. 603,207, Oct. 9. Class 39.
Rosenberg, Louis, trading as Modern Food Process Co., Philadelphia, Pa. Dog and cat food. Serial No. 609,002, Oct. 9. Class 46.
Ross Food Co.: *See*—.
Lewis, Dallas B.
Rothman, Harry, Inc., New York, N. Y. Men's suits, top coats, sport coats, etc. Serial No. 605,495, Oct. 9. Class 39.
Rudd Plastic Fabrics Corp., New York, N. Y. Plastic fabrics. Serial No. 595,682, Oct. 9. Class 50.
S. A. Pour la Fabrication de Materiaux de Construction "Fademac," Brussels, Belgium. Paving and lining slabs and blocks. Serial No. 577,812, Oct. 9. Class 12.
S C Syndicate: *See*—
Special Correspondents Inc.
Sahyun Laboratory: *See*—
Sahyun, Melville.
Sahyun, Melville, doing business as Sahyun Laboratory, Santa Barbara, Calif. Surface anesthetic agent. Serial No. 584,294, Oct. 9. Class 18.
Salant & Salant, Inc., New York, N. Y. Boys' outer shirts. Serial No. 609,605, Oct. 9. Class 39.
Scenic Citrus Cooperative, Frostproof, Fla. Fresh citrus fruit and canned citrus fruit juices and blends thereof. Serial No. 607,871, Oct. 9. Class 46.
Schultz, Baujan & Co., Beardstown, Ill. Wheat flour. Serial No. 517,671, Oct. 9. Class 46.
Sears, Roebuck and Co., Chicago, Ill. House interior paint. Serial No. 588,899, Oct. 9. Class 16.
Sears, Roebuck and Co., Chicago, Ill. Men's and boys' underwear. Serial No. 595,155, Oct. 9. Class 39.
Senmar Company, Youngstown, Ohio. Aluminum hydroxide preparation. Serial No. 583,173, Oct. 9. Class 18.
Serviciseal Products Corporation, Chicago, Ill. Thermoplastic rubberized bituminous composition. Serial No. 508,072, Oct. 9. Class 12.
Shell, Paul V., doing business as The Paul V. Shell Co., Kansas City, Mo. Butter and margarine measure for measuring quarter pound prints thereof. Serial No. 607,968, Oct. 9. Class 26.
Shell, Paul V., Co., The: *See*—
Shell, Paul V.
Show Off Corporation, The, assignee: *See*—
Elsinger, Louis S.
Simon, Henley & Goldstein, Inc., New York, N. Y. Fabrics. Serial No. 612,418, Oct. 9. Class 42.
Sitroux Incorporated, New York, N. Y. Toilet tissues. Serial No. 572,592, Oct. 9. Class 37.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Men's, women's, misses' and children's caps, hats, shoes, etc. Serial No. 591,112, Oct. 9. Class 39.
Sloane, W. & J., New York, N. Y. Traditional and modern bedroom furniture, traditional and modern dining room furniture, etc. Serial Nos. 525,039–40, Oct. 9. Class 32.
Smith, Chester W., Detroit, Mich. Solvent cleaning agent for removing organic paint films. Serial No. 602,125, Oct. 9. Class 16.
Smith-Dorsey Company, The, Lincoln, Nebr. Cardiovascular preparation. Serial No. 607,767, Oct. 9. Class 18.
Sonoco Products Company, Hartsville, S. C. Paper cones and paper tubes. Serial No. 609,149, Oct. 9. Class 2.
Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill. Procuring placement in newspapers, in radio programs, etc. Serial Nos. 570,587–8, Oct. 9. Class 101.
Spud Chips Inc., assignee: *See*—
Greeley Spud Chip Inc.
Staley Milling Company, North Kansas City, Mo. Feed-compound. Serial No. 580,382, Oct. 9. Class 46.
Standard Varnish Works, Staten Island, N. Y. Paint enamels. Serial No. 561,783, Oct. 9. Class 16.
Stanley Works, The, New Britain, Conn. Auger bits. Serial Nos. 608,479–80, Oct. 9. Class 23.
Stant Manufacturing Company, Connersville, Ind. Locking closure caps. Serial No. 545,554, Oct. 9, 1951. Class 25.
Star Bedding Co., St. Louis, Mo. Down-filled comforts and quilts. Serial No. 602,073, Oct. 9. Class 42.
Starline, Inc., Harvard, Ill. Bull staffs, sling carriers and pulleys. Serial No. 607,646, Oct. 9. Class 23.
Star Manufacturing Company: *See*—
Hercules Steel Products Corporation.
Stelber Cycle Corp., Brooklyn, N. Y. Children's tricycles, children's bicycles. Serial No. 599,029, Oct. 9. Class 22.
Stepan Chemical Company, The, Chicago, Ill. Lauryl sulfate. Serial No. 594,813, Oct. 9. Class 6.
Stevens, J. P. & Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 613,089, Oct. 9. Class 42.
Stimulene Mfg. Co.: *See*—
Bird, Virgil W.
Stocker Manufacturing Company, Netcong, N. J. Wrapping paper. Serial No. 569,902, Oct. 9. Class 37.
Stone, J. A., doing business as Food Sales Company, Chicago, Ill. Breaded shrimp. Serial No. 587,833, Oct. 9. Class 46.
Strasenburgh, R. J., Company, Rochester, N. Y. Medicinal preparation. Serial No. 607,906, Oct. 9. Class 18.
Supplee-Biddle-Stelts Company, Philadelphia, Pa. Ready mixed paints, lacquers, enamels, etc. Serial No. 590,716, Oct. 9. Class 16.
Supreme Coat Co., The, Worcester, Mass. Coats and jackets. Serial No. 604,509, Oct. 9. Class 39.
Taylor, Winslow L., Philadelphia, Pa. Paper bath mats. Serial No. 596,302, Oct. 9. Class 37.
Tennes, Richard J., assignee: *See*—
Vend-Rite Manufacturing Company.
Textileather Corporation, Toledo, Ohio. Coated fibrous materials and resinous sheet materials. Serial No. 584,881, Oct. 9. Class 50.
Thomas Hosiery Company, Inc., New York, N. Y. Hosiery Serial No. 604,165, Oct. 9. Class 39.
Toms, William S., Limited, High Wycombe, England. Mattresses, pillows, wood bedsteads, etc. Serial No. 601,655, Oct. 9. Class 32.
Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic material. Serial No. 583,320, Oct. 9. Class 12.
Tru-Pine Company, Chicago, Ill. Room deodorisers and air sanitizers, moth proofing preparations, etc. Serial No. 597,418, Oct. 9. Class 6.
Tubing Appliance Company Inc., Los Angeles, Calif. Wrenches. Serial No. 610,391, Oct. 9. Class 23.
Underwood Corporation, New York, N. Y. Carbon paper and ink ribbons. Serial No. 595,343, Oct. 9. Class 11.
Union Novelty Company, Inc., New York, N. Y. Novelty ornaments and decorations. Serial No. 600,744, Oct. 9. Class 50.
Union Trading Company Ltd., Basel, Switzerland. Leaf tobacco. Serial No. 586,371, Oct. 9. Class 17.
Union Trading Company Ltd., Basel, Switzerland. Leaf tobacco. Serial No. 586,378, Oct. 9. Class 17.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 573,063, Oct. 9. Class 18.
Velveray Corporation, Clifton, N. J. Plastic film. Serial No. 595,572, Oct. 9. Class 50.
Vend-Rite Manufacturing Company, assignor to R. J. Tennes, Chicago, Ill. Vending machines. Serial No. 590,199, Oct. 9. Class 23.
Veterans Broadcasting Company, Houston, Tex. Radio program broadcasting services. Serial No. 570,745, Oct. 9. Class 104.
Video Television, Inc., New York, N. Y. Electronic testing equipment. Serial No. 596,886, Oct. 9. Class 26.
Vimco Macaroni Products Company, Carnegie, Pa. Macaroni. Serial Nos. 583,965–6, Oct. 9. Class 46.
W. & D. Distributors, Chicago, Ill. Antiseptic, non-toxic solution. Serial No. 608,230, Oct. 9. Class 18.
Waldron and Company, Inc., Philadelphia, Pa. Jewelry. Serial No. 581,105, Oct. 9. Class 28.
Waldron and Company, Inc., Philadelphia, Pa. Watches. Serial No. 581,106, Oct. 9. Class 27.
Walker-Young Corporation, Long Beach, Calif. Pneumatic medicating rectal dilator. Serial No. 606,351, Oct. 9. Class 44.
Wang Yick Fireworks Company: *See*—
Hung, Tang K.
Wargöns Aktiebolag, Vargon, Sweden. Tanning substances. Serial No. 596,964, Oct. 9. Class 6.
Wargons Aktiebolag, Vargon, Sweden. Chemical for industrial use. Serial No. 596,965, Oct. 9. Class 6.
Weiner, Martin, Corp., New York, N. Y., and Clifton, N. J. Textile fabrics. Serial No. 613,275, Oct. 9. Class 42.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Liquid phenolic resin. Serial No. 590,117, Oct. 9. Class 6.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. X-ray apparatus. Serial No. 606,106, Oct. 9. Class 44.
West Virginia Pulp and Paper Company, New York, N. Y. Writing paper, index bristol and book papers. Serial No. 559,393, Oct. 9. Class 37.

White, Garrett R., doing business as Carpenter & Co., Cleveland, Ohio. Hair pomade. Serial No. 558,089, Oct. 9. Class 51.
White-Washburne Company, Inc., Hinsdale, N. J. All kinds of toilet tissue. Serial No. 590,118, Oct. 9. Class 37.
Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Work clothing. Serial No. 573,281, Oct. 9. Class 39.
Wilson-Simon Foods, Inc., Roslyn, N. Y., now by change of name Moj Products Corporation. Homogenized whip topping. Serial No. 608,777, Oct. 9. Class 46.
Wiltrout, C. A., Mfg. Co., St. Paul, Minn. Walking heels. Serial No. 608,293, Oct. 9. Class 44.
Winter & Company, New York, N. Y. Pianos. Serial No. 549,351, Oct. 9. Class 36.
Wire-O Corporation, Poughkeepsie, N. Y. Loose-leaf and permanent binders. Serial No. 586,826, Oct. 9. Class 37.
Witter, Frank D., Genoa, Ill. Salad dressing. Serial No. 597,480, Oct. 9. Class 46.
Wood, J. M., Manufacturing Company, Inc., Waco, Tex. One-piece work suits, shirts and pants, etc. Serial No. 499,933, Oct. 9. Class 39.
Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. Serial Nos. 590,538–9, Oct. 9. Class 23.
Wood, John, Company, New York, N. Y., and Muskegon Heights, Mich. Automatic hose winding machines and housings therefor. Serial No. 590,541, Oct. 9. Class 23.
Wood, Walter F., Jr., Holliston, Mass. Dressed poultry. Serial No. 605,825, Oct. 9. Class 46.
Zellwin Farms Company, Zellwood, Fla. Fresh vegetables. Serial No. 549,600, Oct. 9. Class 46.
Zenith Radio Corporation, Chicago, Ill. Electrical hearing aids and parts thereof. Serial No. 605,002, Oct. 9. Class 44.
Ziff-Davis Publishing Company, Chicago, Ill. Magazine. Serial No. 603,978, Oct. 9. Class 38.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Good will, educational, congratulatory, etc., pamphlets. 549,157, Oct. 9; Serial No. 574,077, published July 17, 1951. Class 38.
Abbott Laboratories, North Chicago, Ill. Antihistamine preparation. 549,185, Oct. 9; Serial No. 584,373, published June 19, 1951. Class 18.
Abbott Laboratories, North Chicago, Ill. Oral preparation in capsule form. 549,262, Oct. 9; Serial No. 599,732, published June 26, 1951. Class 18.
Adler Sons Shoe Corp., New York, N. Y. Leather shoes and insoles. 549,158, Oct. 9; Serial No. 575,829, published July 10, 1951. Class 39.
Airline Foods Corporation, Linden, N. J. Honey, fruit preserves, jams, etc. 549,159, Oct. 9; Serial No. 576,378, published May 1, 1951. Class 46.
Aktiebolaget Cykelfabriken Monark, Varberg, Sweden. Footballs, football bladders, handballs, etc. 549,229, Oct. 9; Serial No. 592,062, published June 12, 1951. Class 22.
Albers Packing Company, Riverside, Calif., by Mawer-Gulden-Annis, Inc., Brooklyn, N. Y. Canned olives. 282,793, May 5, 1931. Republished Oct. 9. Class 46.
Allied Mills, Inc.: *See*—
Peters, M. C., Mill Co.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Surface type heat exchangers, direct contact heat exchangers, deaerating heaters, etc. 549,216, Oct. 9; Serial No. 589,299, published July 3, 1951. Class 34.
American Chicle Company: *See*—
Sen-Sen Chiclet Company.
American Chicle Company, Long Island City, N. Y. Chewing gum. 289,788, renewed Dec. 8, 1951. O. G. Oct. 9. Class 46.
American Chlorophyll, Inc., Lake Worth, Fla., assignor to Glade Pharmacal Co., Dover, Del. Powder soluble in solution and containing chlorophyll. 549,224, Oct. 9; Serial No. 590,969, published June 26, 1951. Class 18.
American Cyanamid Company, New York, N. Y. Hog cholera vaccine. 549,305, Oct. 9; Serial No. 605,006, published June 26, 1951. Class 18.
American Girl Shoe Co., Boston, Mass. Ladies' and misses' shoes. 549,304, Oct. 9; Serial No. 604,894, published July 17, 1951. Class 39.
American Medical Association, Chicago, Ill. Monthly magazine. 549,349, Oct. 9; Serial No. 595,298. Class 38.
American Metal Company, Limited, The, New York, N. Y. Metal products. 549,133, Oct. 9; Serial No. 557,882, published Apr. 25, 1950. Class 14.
American Shearer Manufacturing Co., Nashua, N. H., by John Oster Manufacturing Company, Racine, Wis. Hair and wool clippers and their parts. 55,032, Aug. 7, 1906. Republished Oct. 9. Class 23.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Steel wire. 549,321, Oct. 9; Serial No. 606,112, published July 17, 1951. Class 14.
American Viscose Corporation, Philadelphia, Pa. Yarns, threads, and yarn and thread filaments. 549,202, Oct. 9; Serial No. 586,616, published July 17, 1951. Class 43.
Ammon, Guy: *See*—
Ammon, Justin G.
Ammon, Justin G., trading as Guy Ammon, Rehoboth Beach, Del. Artificial fishing decoys and plugs. 549,265, Oct. 9; Serial No. 600,250, published May 29, 1951. Class 22.
Anheuser-Busch, Inc., St. Louis, Mo. Table syrup. 549,180, Oct. 9; Serial No. 583,231, published May 22, 1951. Class 46.
Ansbacher-Siegle Corporation, New York and Rosebank, N. Y. Colors for printing inks. 549,286, Oct. 9; Serial No. 603,099, published July 10, 1951. Class 11.
Appel, Dorothy R., Carmi, Ill. Women's sport apparel. 549,337, Oct. 9; Serial No. 564,091. Class 39.
Arctic Dairy Products Company, Kansas City, Mo. Frozen fruit, eggs, mayonnaise, etc. 549,234, Oct. 9; Serial No. 592,859, published May 8, 1951. Class 46.
Arkansas Company, Inc., Newark, N. J. Fixing and developing compounds. 549,117, Oct. 9; Serial No. 517,955, published July 17, 1951. Class 6.
Armour and Company, Chicago, Ill. Soap. 549,174, Oct. 9; Serial No. 581,792, published July 3, 1951. Class 52.
Asselin Creamery Company, Norway, Mich. Ice cream sundaes. 549,283, Oct. 9; Serial No. 603,040, published July 3, 1951. Class 46.
Associated Crib Diaper Companies, Inc., Chicago, Ill. Children's underdrawers or under pants. 549,198, Oct. 9; Serial No. 585,908, published July 17, 1951. Class 39.
Associated Stationers Supply Company, Chicago, Ill. Printed forms, typewriter paper, and stenographers' note books. 288,092, renewed Oct. 20, 1951. O. G. Oct. 9. Class 37.
Attorney General of the United States, Vested in the: *See*—
Branca, Fratelli.
"Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Photoelectric cells and their actuating circuits and parts thereof. 549,327, Oct. 9; Serial No. 608,854, published July 10, 1951. Class 21.
Barnes, D. F., Homerville, Ga. Honey. 387,707, May 27, 1941. Republished Oct. 9. Class 46.
Barnes Laboratory, Inc., Gardena, Calif. Vermifuge for animals. 549,315, Oct. 9; Serial No. 605,545, published June 19, 1951. Class 18.
Bayley Blower Company, West Allis, Wis. Fans. 549,125, Oct. 9; Serial No. 545,424, published July 10, 1951. Class 34.
Beacon Company, The, assignor to The Beacon Company, Boston, Mass. Liquid wax. 549,255, Oct. 9; Serial No. 597,996, published July 3, 1951. Class 4.
Beffa, Victor, to Gilbert R. Stone, Philadelphia, Pa. Fans (nonelectric). 285,022, renewed July 14, 1951. O. G. Oct. 9. Class 40.
Bernards, John M., & Sons, Inc., San Leandro, Calif. Frozen confection. 549,212, Oct. 9; Serial No. 588,158, published June 19, 1951. Class 46.
Best, Richard, Pencil Company, Inc., New York, N. Y., to Richard Best Pencil Company, Inc., Springfield, N. J. Lead pencils. 286,144–5, renewed Aug. 18, 1951. O. G. Oct. 9. Class 37.
Best, Richard, Pencil Company, Inc., New York, N. Y., to Richard Best Pencil Company, Inc., Springfield, N. J. Black lead and colored pencils. 286,163, renewed Aug. 18, 1951. O. G. Oct. 9. Class 37.
Best, Richard, Pencil Company, Inc., New York, N. Y., to Richard Best Pencil Company, Inc., Springfield, N. J. Black lead pencils. 286,164, renewed Aug. 18, 1951. O. G. Oct. 9. Class 37.
Best, Richard, Pencil Company, Inc., New York, N. Y., to Richard Best Pencil Company, Inc., Springfield, N. J. Black lead pencils, colored, copying, and indelible pencils. 288,090, renewed Oct. 20, 1951. O. G. Oct. 9. Class 37.
Big Horn Canning Company, Cowley, Wyo. Canned vegetables. 549,121, Oct. 9: Serial No. 531,191, published June 26, 1951. Class 46.
Bishop, G. H., Company, Chicago, Ill. All-purpose tables and invoice desks. 549,296, Oct. 9; Serial No. 604,351, published July 3, 1951. Class 32.
Blankette Corporation, New York, N. Y. Children's slippers. 549,199, Oct. 9; Serial No. 586,078, published July 10, 1951. Class 39.

Boos, Henry P., doing business as Henry P. Boos Prosthetic Studios, to Henry P. Boos Dental Laboratories, Inc., Minneapolis, Minn. Full dentures, partial dentures, and bridges. 286,353, renewed Aug. 25, 1951. O. G. Oct. 9. Class 44.

Boos, Henry P., Dental Laboratories, Inc.: *See*—
Boos, Henry P.

Boos, Henry P., Prosthetic Studios: *See*—
Boos, Henry P.

Borg-Warner Corporation: *See*—
Norge Corporation.
Warner Gear Company.

Boston Molasses Company: *See*—
Boston Molasses Co.

Boston Molasses Co., to Boston Molasses Company, Boston, Mass. Molasses. 81,498, re-renewed Apr. 18, 1951. O. G. Oct. 9. Class 46.

Branca, Fratelli, Milan, Italy, vested in the Attorney General of the United States, Washington, D. C. Stomach bitters. 285,705–7, renewed Aug. 4, 1951. O. G. Oct. 9. Class 18.

Brandt Millinery Co., Inc., New York, N. Y. Women's hats. 444,579, Oct. 9; Serial No. 521,852. Class 39.

Breon, George A., & Company, Kansas City, Mo. Vitamin preparation. 549,220, Oct. 9; Serial No. 589,953, published Oct. 17, 1950. Class 18.

Buffa, Philip, doing business as Super Edible Oil Distributor, Brooklyn, assignor to Super Edible Oil Distributor, Inc., New York, N. Y. Olive oil, combination of olive oil, peanut oil and corn oil, etc. 549,195, Oct. 9; Serial No. 585,476, published June 19, 1951. Class 46.

Burnett, Sir Robert, & Company, Limited, London, England, to The Distillers Company Limited, Linden, N. J. Gin. 289,421–2, renewed Nov. 24, 1951. O. G. Oct. 9. Class 49.

Burpee, W. Atlee, Co., Philadelphia, Pa. Garden vegetable seeds. 286,408, renewed Aug. 25, 1951. O. G. Oct. 9. Class 1.

Burrus Mills, Incorporated: *See*—
Oklahoma Mill Co., The.
Texas Star Flour Mills.

California Consumers Corporation, Los Angeles, Calif. Canned frozen citrus juices. 549,126, Oct. 9; Serial No. 545,434, published July 17, 1951. Class 46.

Campana Corporation, Batavia, Ill. Astringents, astringent cerates, bleach creams, etc. 311,244, Mar. 20, 1934. Amended. O. G. Oct. 9. Class 6.

Canine Food Company, San Francisco, Calif., to Pet Food Co., Portland, Oreg. Dog food. 289,778, renewed Dec. 8, 1951. O. G. Oct. 9. Class 46.

Carter, Macy Company, Inc., New York, N. Y., assignee of H. P. Kershaw, doing business as Kershaw Tea Co. Tea and coffee. 549,114, Oct. 9; Serial No. 510,088, published June 5, 1951. Class 46.

Central Soya Company, Inc., Fort Wayne, Ind. Soybean meal. 549,171, Oct. 9; Serial No. 580,047, published June 26, 1951. Class 46.

Centrotex, Akciová Společnost PRO Dovoz a Vyvoz CS. Textilního a Oděvního Průmyslu, also named Centrotex Ltd., Prague, Czechoslovakia. Trimmings for clothing or millinery purposes. 549,211, Oct. 9; Serial No. 587,933, published June 26, 1951. Class 40.

Centrotex Ltd.: *See*—

Centrotex, Akciová Společnost PRO Dovoz a Vyvoz CS. Textilního a Oděvního Průmyslu.

Chadbourn Hosiery Mills, Incorporated: *See*—
Larkwood Silk Hosiery Mills, Inc.

Chemische Fabrik Stockhausen & Cie., Krefeld, Germany. Dyes and dyestuffs, chemical products. 251,095, renewed Dec. 25, 1948. O. G. Oct. 9. Class 6.

Chicago Pharmacal Company, Chicago, Ill. Friable pill. 339,594, Oct. 13, 1936. Republished Oct. 9. Class 18.

Chickasha Milling Company, Chickasha, Okla. Wheat flour. 549,122, Oct. 9; Serial No. 535,483, published Mar. 20, 1951. Class 46.

Cleveland Container Company, The, Cleveland, Ohio. Spirally laminated paper tubing. 549,232, Oct. 9; Serial No. 592,737, published July 3, 1951. Class 21.

Clissold Publishing Co., Chicago, Ill. Periodical. 549,252, Oct. 9; Serial No. 597,066, published July 3, 1951. Class 22.

Cochran Foil Company, Louisville, Ky. Aluminum foil. 549,290, Oct. 9; Serial No. 603,731, published July 17, 1951. Class 14.

Cohen, Philip: *See*—
Orianna Metal Products, Inc.

Colbtrans Co., Inc., Brooklyn, N. Y. Medicinal cream. 549,227, Oct. 9; Serial No. 591,405, published June 19, 1951. Class 18.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap flakes, granulated soap, and liquid soap. 288,846, renewed Nov. 10, 1951. O. G. Oct. 9. Class 52.

Colgate-Palmolive-Peet Company, Chicago, Ill., to Colgate-Palmolive-Peet Company, Jersey City, N. J. Shaving soap and shaving sticks. 289,303, renewed Nov. 24, 1951. O. G. Oct. 9. Class 51.

Commercial Solvents Corporation, New York, N. Y. Tablets or discs containing predetermined amounts of different antibiotics. 549,279, Oct. 9; Serial No. 602,495, published June 26, 1951. Class 18.

Community Exterminating Corp., New York, N. Y. Insecticides. 549,228, Oct. 9; Serial No. 591,771, published July 17, 1951. Class 6.

Conklin Pen Company, Inc., The: *See*—
Conklin Pen Company, The.

Conklin Pen Company, The, Toledo, Ohio, to The Conklin Pen Company, Inc., Chicago, Ill. Fountain pens. 285,914, renewed Aug. 11, 1951. O. G. Oct. 9. Class 37.

Cooper, William, & Nephews, Incorporated, Chicago, Ill. Insecticide. 286,260, renewed Aug. 25, 1951. O. G. Oct. 9. Class 6.

Corn Products Refining Company, Jersey City, N. J., and New York, N. Y., to Corn Products Refining Company, New York, N. Y. Edible corn-oil. 83,639, re-renewed Oct. 3, 1951. O. G. Oct. 9. Class 46.

Corn Products Refining Company, New York, N. Y. Starch. 549,341, Oct. 9; Serial No. 573,760. Class 6.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical filters, interference eliminators and electrical capacitors. 549,289; Oct. 9; Serial No. 603,439, published July 10, 1951. Class 21.

Corosaire Heater Corporation, The, Cleveland, Ohio. Electrically operated air conditioning units. 549,179, Oct. 9; Serial No. 583,144, published July 10, 1951. Class 34.

Couture, E. A., by Couture Farms, Modesto, Calif. Fresh grapes. 271,909, June 17, 1930. Republished Oct. 9. Class 46.

Couture Farms: *See*—
Couture, E. A.

Coward Shoe Inc., The, New York, N. Y. Men's leather shoes. 549,138, Oct. 9; Serial No. 561,725, published July 17, 1951. Class 39.

Cramer Chemical Co., The, Gardner, Kans. Pharmaceutical preparations. 549,221, Oct. 9; Serial No. 589,955, published June 26, 1951. Class 18.

Creamette Company, The, Minneapolis, Minn. Macaroni food. 549,176, Oct. 9; Serial No. 582,895, published July 17, 1951. Class 46.

Creamette Company, The, Minneapolis, Minn. Macaroni food. 549,177, Oct. 9; Serial No. 582,897, published July 17, 1951. Class 46.

Crescent Corset Company, Inc., Cortland, N. Y. Corsets and foundation garments. 549,238, Oct. 9; Serial No. 593,861, published July 17, 1951. Class 39.

Crompton Company, Crompton, R. I. Velvet fabrics. 549,342, Oct. 9; Serial No. 573,926. Class 42.

Daman, Arthur C., Denver, Colo. Playing cards. 549,144–5, Oct. 9; Serial Nos. 566,918–19, published June 5, 1951. Class 22.

Davis Fishing Tackle Co.: *See*—
Davis, Lester M.

Davis, Lester M., doing business as Davis Fishing Tackle Co., Tacoma, Wash. Trolling spoons. 549,323, Oct. 9; Serial No. 607,491, published June 5, 1951. Class 22.

Decatur Casting Company, The, Hamilton, Ohio. Gray iron castings. 549,322, Oct. 9; Serial No. 606,935, published July 17, 1951. Class 14.

"Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G., Berlin-Spandau, Germany, to Organon Inc., Orange, N. J. Medicinal preparation. 289,534, renewed Dec. 1, 1951. O. G. Oct. 9. Class 18.

De Raymond: *See*—
Fay, Edward J.

Detroit Steel Corporation, Detroit, Mich. Sheet and strip steel. 549,299, Oct. 9; Serial No. 604,690, published July 17, 1951. Class 14.

Di Giorgio Fruit Corporation: *See*—
Earl Fruit Company.
International Fruit Corporation.

Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y. Monoesters of polyhydric alcohols. 549,216, Oct. 9; Serial No. 588,920, published July 17, 1951. Class 6.

Distillers Company Limited, The: *See*—
Burnett, Sir Robert, & Company, Limited.

Dr. Pierre Chemical Company, by Dr. Pierre Chemical Company, Chicago, Ill. Suppositories. 51,636, Apr. 17, 1906. Republished Oct. 9. Class 18.

Dolphin Toys, Mount Vernon, N. Y. Buoyant fish-like toys. 549,115, Oct. 9; Serial No. 510,494, published June 5, 1951. Class 22.

Do-Nut Dinette, Inc., Charlotte, N. C. Serving of foods and beverages in restaurants. 549,357, Oct. 9; Serial No. 575,257. Class 100.

Doppelt, Charles, & Co., by Charles Doppelt & Company, Inc., Chicago, Ill. Utility bags. 341,470, Dec. 8, 1936. Republished Oct. 9. Class 3.

Doppelt, Charles, & Company, Inc.: *See*—
Doppelt, Charles, & Co.

Dover Lane Clothes, Inc., New York, N. Y. Men's suits, coats, vests, etc. 549,148, Oct. 9; Serial No. 569,510, published July 17, 1951. Class 39.

Dow Corning Corporation, Midland, Mich. Silicone treated polishing tissues. 549,149, Oct. 9; Serial No. 569,828, published July 3, 1951. Class 4.

Dupuis Produce Company, Breaux Bridge, La. Raw, whole yams. 549,222, Oct. 9; Serial No. 589,961, published May 29, 1951. Class 46.

Eagle Clothes, Inc., New York, N. Y. Women's clothing. 549,205, Oct. 9; Serial No. 587,145, published July 10, 1951. Class 39.

Eagle Electric Mfg. Co. Inc., New York and Long Island City, N. Y. Electric heating elements. 549,293, Oct. 9; Serial No. 603,987, published June 26, 1951. Class 21.

Earl Fruit Company, to Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh deciduous fruits, fresh grapes, fresh berries. 287,835, renewed Oct. 13, 1951. O. G. Oct. 9. Class 46.

Eastern Tool & Stamping Co., Saugus, Mass. Metal stampings. 549,242, Oct. 9; Serial No. 595,538, published July 17, 1951. Class 14.

Eastman Kodak Company, assignee: *See*—
Distillation Products, Inc.

Edison, Thomas A., Incorporated, West Orange, N. J. Spark plug cores. 549,325, Oct. 9; Serial No. 608,203, published July 10, 1951. Class 21.

El Cajon Valley Citrus Association, El Cajon, Calif. Fresh citrus fruits. 549,336, Oct. 9; Serial No. 560,194. Class 46.

Electrol Incorporated, St. Louis, Mo., by Electrol Incorporated, Kingston, N. Y. Domestic oil burners. 281,671, Mar. 24, 1931. Republished Oct. 9. Class 34.

Elgin National Watch Company, Chicago and Elgin, Ill., to Elgin National Watch Company, Elgin, Ill. Watches, watch movements, and watch cases. 288,383, renewed Oct. 27, 1951. O. G. Oct. 9. Class 27.

Ernst, Joseph P., doing business as Radio Station KWRL, Riverton, Wyo. Radio program broadcasting. 549,356, Oct. 9; Serial No. 566,304. Class 104.

Eureka Williams Corporation, Bloomington, Ill. Blowers. 549,206, Oct. 9; Serial No. 587,221, published July 3, 1951. Class 34.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils, pencil leads; and pen and pencil sets. 549,347, Oct. 9; Serial No. 592,484. Class 37.

Fay, Edward J., by Parfumerie De Raymond, New York, N. Y. Hair and toilet brushes. 285,772, Aug. 4, 1931. Republished Oct. 9. Class 29.

Fay, Edward J., doing business as De Raymond, by Parfumerie De Raymond, New York, N. Y. Perfumes, toilet waters, colognes, and talcum powder. 342,424, Jan. 19, 1937. Republished Oct. 9. Class 51.

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Leather shoes, fabric shoes, and shoes of leather and fabric. 328,748, Oct. 1, 1935. Republished Oct. 9. Class 39.

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Leather shoes, fabric shoes, etc. 350,967, Oct. 12, 1937. Republished Oct. 9. Class 39.

Feltman & Curme Shoe Stores Company, The, Chicago, Ill. Leather shoes, fabric shoes, etc. 360,224, Sept. 13, 1938. Republished Oct. 9. Class 39.

Fenwick Reddaway Mfg. Co., Newark, N. J., to Watson Jack & Company Limited, Montreal, Quebec, Canada. Portable water pump. 287,710, renewed Oct. 6, 1951. O. G. Oct. 9. Class 23.

Fingles, W. A., Inc., Baltimore, Md., to C. G. Hussey & Company, Division of Copper Range Company, Pittsburgh, Pa. Certain articles used in building construction. 285,669, renewed Aug. 4, 1951. O. G. Oct. 9. Class 12.

Food Machinery and Chemical Corporation, San Jose, Calif. Parasiticides. 549,164, Oct. 9; Serial No. 579,089, published July 17, 1951. Class 6.

Foster Grant Co. Inc., Leominster, Mass. Flexible bands provided with grips for engaging the ends of the temples of pairs of spectacles, etc. 549,343, Oct. 9; Serial No. 578,588. Class 26.

Fownes Bros. & Co. Inc., New York, N. Y. Gloves. 549,209, Oct. 9; Serial No. 587,544, published July 17, 1951. Class 39.

Foy Paint Company, Inc., The, Cincinnati, Ohio. Flat wall paint. 549,340, Oct. 9; Serial No. 569,447. Class 16.

Freeman Shoe Corporation, Beloit, Wis. Men's shoes. 549,140, Oct. 9; Serial No. 562,463, published July 10, 1951. Class 39.

Frosted Foods Company, Inc., to General Foods Corporation, New York, N. Y. Frozen food products. 285,148, renewed July 14, 1951. O. G. Oct. 9. Class 46.

Gamble-Skogmo, Inc., Minneapolis, Minn. Rifle cartridges. 549,284. Oct. 9; Serial No. 603,056, published July 17, 1951. Class 9.

Geigy Company, Inc., New York, N. Y. Antirheumatic, analgesic, antipyretic preparation. 549,306, Oct. 9; Serial No. 605,023, published June 26, 1951. Class 18.

General Electric Company, Schenectady, N. Y. Outlet registers. 549,196, Oct. 9; Serial No. 585,583, published July 3, 1951. Class 34.

General Foods Corporation: *See*—
Frosted Foods Company, Inc.

General Mills, Inc., Minneapolis, Minn. Biscuit flour. 289,319, renewed Nov. 24, 1951. O. G. Oct. 9. Class 46.

General Refractories Company, Philadelphia, Pa. Refractory brick. 281,625, renewed Mar. 24, 1951. O. G. Oct. 9. Class 12.

General Tire & Rubber Company, The, Akron, Ohio. Storage batteries and battery boxes. 549,253, Oct. 9; Serial No. 597,335, published June 26, 1951. Class 21.

Given Manufacturing Company, Los Angeles, Calif. Machines for grinding up garbage. 444,485, May 1, 1951. Republished Oct. 9. Class 23.

Glade Pharmacal Co., assignee: *See*—
American Chlorophyll, Inc.

Gordon, Gail: *See*—
Thompson, Gladys G.

Gordon, Homer H., Los Angeles, Calif. Games. 549,188, Oct. 9; Serial No. 585,018, published May 29, 1951. Class 22.

Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. 549,316, Oct. 9; Serial No. 605,581, published June 12, 1951. Class 12.

Green, A. P., Fire Brick Company, Mexico, Mo. Refractory mortar. 549,317, Oct. 9; Serial No. 605,582, published June 12, 1951. Class 12.

Greet-A-Tab Company: *See*—
Levin, Moses A.

Guadalupe Vegetable Farms, Guadalupe, Calif. Fresh vegetables. 549,275, Oct. 9; Serial No. 602,150, published June 5, 1951. Class 46.

HPL Manufacturing Company, Cleveland, Ohio. Custom-made metal stampings. 549,124, Oct. 9; Serial No. 544,997, published Jan. 24, 1950. Class 14.

Halferty Corporation, by G. P. Halferty & Co., Seattle, Wash. Canned peas, canned strawberries, canned pears, etc. 323,029, Mar. 26, 1935. Republished Oct. 9. Class 46.

Halferty, G. P., & Co.: *See*—
Halferty Corporation.

Hallicrafters Co., The, Chicago, Ill. Radio and television receiving sets. 549,329, Oct. 9; Serial No. 609,681, published July 17, 1951. Class 21.

Halpern, J., Company, Pittsburgh, Pa. Explosive caps for use in toy pistols. 549,233, Oct. 9; Serial No. 592,811, published July 17, 1951. Class 9.

Hannon, Harry P., doing business as Hannon Medicines, Brookhaven, Miss. Medicinal preparation. 549,150, Oct. 9; Serial No. 570,025, published July 17, 1951. Class 18.

Hannon Medicines: *See*—
Hannon, Harry P.

Harshaw Chemical Company, The, Cleveland, Ohio. Calcium soaps of soya-bean fatty acids. 549,257, Oct. 9; Serial No. 598,795, published June 12, 1951. Class 6.

Hart Schaffner & Marx, Chicago, Ill. Men's suits. 549,143, Oct. 9; Serial No. 566,401, published July 10, 1951. Class 39.

Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 549,274, Oct. 9; Serial No. 601,862, published June 5, 1951. Class 22.

Heil Co., The, Milwaukee, Wis. Refuse bodies devised for mounting on vehicles. 549,348, Oct. 9; Serial No. 594,219. Class 19.

Holland-American Cooky Bakery, Paramount and Hynes, Calif. Cookies. 549,141, Oct. 9; Serial No. 563,338, published May 29, 1951. Class 46.

Holtz & Son, Inc., Yonkers, N. Y. Doll garment hangers. 549,298, Oct. 9; Serial No. 604,637, published May 29, 1951. Class 22.

Hoover Soil Service: *See*—
Hoover, Will J.

Hoover, Will J., doing business as Hoover Soil Service, Gilman, Ill. Fertilizers. 549,260, Oct. 9; Serial No. 599,515, published July 17, 1951. Class 10.

Horton, M. E., Inc., Washington, D. C. Canned fruits, canned vegetables, canned pineapple juice, etc. 549,156, Oct. 9; Serial No. 572,661, published June 19, 1951. Class 46.

Hudnut, Richard, New York, N. Y. Perfume. 549,168, Oct. 9; Serial No. 579,418, published June 12, 1951. Class 51.

Hudnut, Richard, New York, N. Y. Cosmetic kits. 549,169, Oct. 9; Serial No. 579,420, published June 12, 1951. Class 51.

Hudson, J. L., Company, The, Detroit, Mich. Suits, trousers, knickers, etc. 549,123, Oct. 9; Serial No. 538,757, published July 10, 1951. Class 39.

Humble Oil & Refining Company, Houston, Tex. Corrosion inhibitor. 549,239, Oct. 9; Serial No. 594,324, published July 17, 1951. Class 6.

Hussey, C. G., & Company, Division of Copper Range Company: *See*—
Fingles, W. A., Inc.

Ida May Chocolates, Inc., Hewlett, N. Y. Candies. 549,172, Oct. 9; Serial No. 580,669, published May 29, 1951. Class 46.

Imperial Chemical Industries Limited, London and Millbank, London, England. Arms, ammunition, cartridge cases, etc. 549,241, Oct. 9; Serial No. 594,779, published July 17, 1951. Class 9.

Industrial Manufacturing Corp., Indianapolis, Ind. Liquid heating and circulating machines. 549,155, Oct. 9; Serial No. 572,568, published July 3, 1951. Class 34.

Industrial Oven and Equipment Company, Los Angeles, Calif. Revolving-tray bakery ovens. 549,147, Oct. 9; Serial No. 568,800, published July 3, 1951. Class 34.

International Fruit Corporation, Orlando, Fla., to Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh citrus fruits. 287,887, renewed Oct. 13, 1951. O. G. Oct. 9. Class 46.

International Fruit Corporation, Orlando, Fla., to Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh citrus fruits. 288,239, renewed Oct. 20, 1951. O. G. Oct. 9. Class 46.

International Harvester Company, Chicago, Ill. Refrigeration packaging products—namely aluminum wrapping foil. 549,273, Oct. 9; Serial No. 601,791, published July 17, 1951. Class 14.
Interstate Creamery, Inc., New Castle, Pa. Ice cream mixes. 549,267, Oct. 9; Serial No. 600,891, published June 5, 1951. Class 46.
Invention Sales Company, Lovelock, Nev., and Chicago, Ill. Toy building blocks. 549,240, Oct. 9; Serial No. 594,381, published June 12, 1951. Class 22.
Irving, John, Shoe Corporation, Boston, Mass. Women's shoes. 549,330, Oct. 9; Serial No. 609,862, published July 17, 1951. Class 39.
Jackson-Mitchell Pharmaceuticals, Inc.: *See*—
Special Milk Products, Inc.
Jackson, Peter, (Tobacco Manufacturer) Limited, London, England. Cigarettes, smoking tobacco, cigars, and snuff. 290,532, Jan. 5, 1932. Amended. O. G. Oct. 9. Class 17.
Jasper Glove Company, Inc., Jasper, Ind. Work gloves. 549,190, Oct. 9; Serial No. 585,071, published July 17, 1951. Class 39.
Johns-Manville Corporation, New York, N. Y. Composition for electrical insulation. 286,079, renewed Aug. 11, 1951. O. G. Oct. 9. Class 21.
Johnson, S. C., & Son, Inc.: *See*—
Miller, Osbert P.
Kanmak Textiles Inc., New York, N. Y. Piece-goods. 444,578, Oct. 9; Serial No. 521,897, published Sept. 23, 1947. Class 42.
Karseal Corporation, Los Angeles, Calif. Automobile body polish. 549,243, Oct. 9; Serial No. 595,788, published July 3, 1951. Class 4.
Kelley, Maude T., Mount Vernon, N. Y., to Stanley Home Products, Inc., Westfield, Mass. Washing devices. 287,649, renewed Sept. 29, 1951. O. G. Oct. 9. Class 24.
Kershaw, Harry P.: *See*—
Carter, Macy Company, Inc.
Kershaw Tea Co.: *See*—
Carter, Macy Company, Inc.
Keystone Feed & Farm Products Corp., Connellsville, Pa. Farm feeds. 549,201, Oct. 9; Serial No. 586,599, published June 5, 1951. Class 46.
KeyStone-Fleming, Inc., Lubbock, Tex. LPG fuel, butane, propane, etc. 549,235, Oct. 9; Serial No. 593,224, published June 19, 1951. Class 6.
Klensade Products, Incorporated, Beloit, Wis. Quaternary ammonium compound sanitizers. 549,178, Oct. 9; Serial No. 583,042, published July 17, 1951. Class 6.
Knapp-Monarch Company, St. Louis, Mo. Filled germicide and insecticide dispensers. 549,160, Oct. 9; Serial No. 578,085 published Dec. 5, 1950. Class 6.
Koenig, Doris, Beverly Hills, Calif. Published news column. 549,310, Oct. 9; Serial No. 605,340, published July 3, 1951. Class 38.
Kogos, Frederick, doing business as Frederick Kogos Publishing Company, New York, N. Y. Directories. 549,352, Oct. 9; Serial No. 604,156. Class 38.
Kogos, Frederick, Publishing Company: *See*—
Kogos, Frederick.
Kraft Foods Company, Chicago, Ill. Cheese. 549,200, Oct. 9; Serial No. 586,288, published June 19, 1951. Class 46.
Kroger Co., The: *See*—
Kroger Grocery & Baking Co., The.
Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Wheat flour, canned vegetables, and canned pork and beans. 84,323, re-renewed Nov. 28, 1951. O. G. Oct. 9. Class 46.
Kroger Grocery & Baking Co. The, to The Kroger Co., Cincinnati, Ohio. Canned fruits and fruit preserves. 285,603, renewed July 28, 1951. O. G. Oct. 9. Class 46.
Kroger Grocery & Baking Co., The, to The Kroger Co., Cincinnati, Ohio. Fresh meat and smoked and dried chipped beef. 286,917, renewed Sept. 8, 1951. O. G. Oct. 9. Class 46.
Kroger Grocery & Baking Co., The, doing business as Wesco Foods Co., to The Kroger Co., Cincinnati, Ohio. Coffee. 288,747, renewed Nov. 3, 1951. O. G. Oct. 9. Class 46.
Kroger Grocery & Baking Co., The, doing business as Wesco Foods Company, to The Kroger Co., Cincinnati, Ohio. Candies. 288,770, renewed Nov. 3, 1951. O. G. Oct. 9. Class 46.
Ladycraft Dresses, Inc., New York, N. Y. Ladies' dresses. 549,193, Oct. 9; Serial No. 585,288, published July 17, 1951. Class 39.
Lanman & Kemp, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Pectoral compound. 84,106, re-renewed Nov. 7, 1951. O. G. Oct. 9. Class 18.
Lanman & Kemp-Barclay & Co., Incorporated: *See*—
Lanman & Kemp.
Larkwood Silk Hosiery Mills, Inc., to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C. Stockings. 289,672, renewed Dec. 1, 1951. O. G. Oct. 9. Class 39.
Lectro-Weld, Inc., Cleveland, Ohio. Electrically heated tools. 549,351, Oct. 9; Serial No. 600,290. Class 21.
Levin, Moses A., doing business as Greet-A-Tab Company, Baltimore, Md. Greeting cards and indicia for greeting cards. 549,236, Oct. 9; Serial No. 593,278, published July 3, 1951. Class 38.
Liebich, G. J., Co., Chicago, Ill. Dry, paste, and ready-mixed paints, varnishes, etc. 131,533, May 18, 1920. Republished Oct. 9. Class 16.
Liebich, G. J., Co., Chicago, Ill. Paint base coats, ready-mixed paints, varnishes, etc. 309,369, Jan. 9, 1934. Republished Oct. 9. Class 16.
Liebich, G. J., Co., Chicago, Ill. Wood filler for cracks and crevices. 310,344, Feb. 20, 1934. Republished Oct. 9. Class 16.
Liebich, G. J., Co., Chicago, Ill. Mixed paints, paint enamels, lacquers, etc. 349,919, Sept. 14, 1937. Republished Oct. 9. Class 16.
Liebich, G. J., Co., Chicago, Ill. Paint enamel, lacquer, varnish, etc. 414,302, June 5, 1945. Republished Oct. 9. Class 16.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 549,251, Oct. 9; Serial No. 596,928, published June 19, 1951. Class 18.
Lipman Lures, Incorporated, St. Louis, Mo. Artificial fish lures. 549,247, Oct. 9; Serial No. 596,228, published June 5, 1951. Class 22.
Littonian Shoe Co., Littlestown, Pa. Infants' shoes. 549,204, Oct. 9; Serial No. 587,114, published July 10, 1951. Class 39.
Loma Linda Food Company, Arlington, Calif. Minced gluten steaks. 549,338, Oct. 9; Serial No. 564,335. Class 46.
Loma Linda Food Company, Arlington, Calif. Vegetarian cutlets. 549,339, Oct. 9; Serial No. 564,336. Class 46.
Loveland Canning Corporation, Loveland, Colo. Canned cherries, gooseberries and apples. 549,120, Oct. 9; Serial No. 522,263, published June 26, 1951. Class 46.
Lutz Pork Bait Co., Kansas City, Mo. Pork rind fish bait. 549,118, Oct. 9; Serial No. 522,230, published June 5, 1951. Class 22.
Lutz Pork Bait Co., Kansas City, Mo. Pork rind fish bait. 549,119, Oct. 9; Serial No. 522,234, published June 5, 1951. Class 22.
Mackintosh, John, Limited, to John Mackintosh & Sons Limited, Halifax, England. Toffee. 82,703, re-renewed July 18, 1951. O. G. Oct. 9. Class 46.
Mackintosh, John, & Sons Limited: *See*—
Mackintosh, John, Limited.
Macomber & Whyte Rope Company, Chicago, Ill., to Macwhyte Company, Kenosha, Wis. Wire rope. 83,754, re-renewed Oct. 10, 1951. O. G. Oct. 9. Class 7.
Macwhyte Company: *See*—
Macomber & Whyte Rope Company.
Marshall Field & Company, Chicago, Ill. Candy. 549,215. Oct. 9; Serial No. 588,794, published June 12, 1951. Class 46.
Marshall Steel Company, Lisle, Ill. Ground tool steel. 549,153–4, Oct. 9; Serial Nos. 571,648–9, published July 17, 1951. Class 14.
Massengill, S. E., Company, The, Bristol, Tenn. Medicinal and pharmaceutical preparations. 549,246, Oct. 9; Serial No. 595,905, published June 26, 1951. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 549,249, Oct. 9; Serial No. 596,598, published June 26, 1951. Class 18.
Mawer-Gulden-Annis, Inc.: *See*—
Albers Packing Company.
Mayer, Oscar, & Co., Inc., Chicago, Ill. Meats. 549,191, Oct. 9; Serial No. 585,177, published June 19, 1951. Class 46.
Mayer, Oscar, & Co., Inc., Chicago, Ill. Sausage. 549,192, Oct. 9; Serial No. 585,178, published June 19, 1951. Class 46.
McLaughlin Gormley King Company, Minneapolis, Minn. Insecticidal liquid. 549,194, Oct. 9; Serial No. 585,340, published July 17, 1951. Class 6.
Medusa Portland Cement Company, Cleveland, Ohio. Non-staining waterproofed mortar cement. 288,535, renewed Nov. 3, 1951. O. G. Oct. 9. Class 12.
Mennel Milling Company, The, Fostoria and Toledo, Ohio. Wheat flour. 549,207, Oct. 9; Serial No. 587,344, published June 13, 1950. Class 46.
Metropolitan Electric Mfg. Co., New York, to Metropolitan Electric Mfg. Co., Long Island City, N. Y. Electric wall and knife switches, panelboards, switchboards, etc. 83,081, re-renewed Aug. 15, 1951. O. G. Oct. 9. Class 21.
Milford Canning Company: *See*—
Stone-Ordean-Wells Co.
Miller, E. S., Laboratories, Inc., Los Angeles, Calif. Iron, arsenic, and strychnine tonics. 549,208, Oct. 9; Serial No. 587,496, published June 26, 1951. Class 18.
Miller, I., & Sons, Inc., Long Island City, N. Y. Ladies' and girls' shoes. 549,295, Oct. 9; Serial No. 604,211, published July 17, 1951. Class 39.
Miller, Osbert P., doing business as Parlor Pride Mfg. Co. Inc., to S. C. Johnson & Son, Inc., Racine, Wis. Stove polish. 288,148, Oct. 20, 1931. New certificate. O. G. Oct. 9. Class 4.
Minnesota Mining & Manufacturing Company: *See*—
Minnesota Mining & Mfg. Co.
Minnesota Mining & Mfg. Co., by Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive paper and abrasive cloth. 141,174–5, Apr. 12, 1921. Republished Oct. 9. Class 4.
Minnesota Mining & Manufacturing Company, by Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive paper. 167,713, May 8, 1923. Republished Oct. 9. Class 4.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. 348,472–3, July 27, 1937. Republished Oct. 9. Class 4.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. 351,770, Nov. 9, 1937. Republished Oct. 9. Class 4.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth, abrasive paper, abrasive belts, etc. 355,032, Mar. 8, 1938. Republished Oct. 9. Class 4.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Pressure-sensitive electrical insulating tape. 549,226, Oct. 9; Serial No. 591,310, published June 26, 1951. Class 21.
Monier, C. Leland, & Sons, Sparland, Ill. Seed corn. 549,344, Oct. 9; Serial No. 582,848. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Surface active compositions for use as detergents. 549,162, Oct. 9; Serial No. 578,342, published July 3, 1951. Class 52.
Monsanto Chemical Company, St. Louis, Mo. Herbicides, fungicides, and insecticides. 549,189, Oct. 9; Serial No. 585,028, published July 17, 1951. Class 6.
Montag Stove & Furnace Works, Portland, Oreg. Automatic oil burning warm air furnaces. 549,217, Oct. 9; Serial No. 589,165, published July 10, 1951. Class 34.
Montmarquet, Francis H.: *See*—
O-C Manufacturing Company, The.
Moran, R. J., Co., Boston, Mass. Medicinal preparation. 549,129, Oct. 9; Serial No. 547,753, published Oct. 19, 1948. Class 18.
Mosinee Paper Mills Company, Mosinee, Wis. Reinforced paper. 288,120, renewed Oct. 20, 1951. O. G. Oct. 9. Class 37.
Mountain Valley Spring Company: *See*—
Mountain Valley Springs Company.
Mountain Valley Springs Company, Hot Springs, Ark., to Mountain Valley Spring Company, St. Louis, Mo. Water. 36,871, re-renewed Aug. 6, 1951. O. G. Oct. 9. Class 45.
Mountain View Fruit Association, also doing business as Mountain View Orange and Lemon Growers Assn., Upland, Calif. Fresh citrus fruits. 549,161, Oct. 9; Serial No. 578,093, published June 19, 1951. Class 46.
Mountain View Orange and Lemon Growers Assn.: *See*—
Mountain View Fruit Association.
Murray Company of Texas, Inc., The, Dallas, Tex. Ventilating fans and floor furnaces. 549,285, Oct. 9; Serial No. 603,076, published July 3, 1951. Class 34.
Myco, Inc., Ferndale, Mich. Spinning type fishing reels. 549,248, Oct. 9; Serial No. 596,232, published June 5, 1951. Class 22.
National Electric Products Corporation, Pittsburgh, Pa. Material used in connection with underfloor electric-wiring systems. 549,287, Oct. 9; Serial No. 603,140, published June 26, 1951. Class 21.
National Standard Parts Association, Chicago, Ill. Trade periodicals. 549,294, Oct. 9; Serial No. 604,020, published July 3, 1951. Class 38.
Nation-Wide Publishing Corp., Chicago, Ill. Comic magazines. 549,309, Oct. 9; Serial No. 605,324, published July 3, 1951. Class 38.
Nebraska Boiler and Supply Co., The, Lincoln, Nebr. Steam boilers. 549,331, Oct. 9; Serial No. 610,223, published July 10, 1951. Class 34.
Newberry, J. J., Co.: *See*—
Vernon, S. E. & M., Inc.
New Mill Noodle & Macaroni Co., Inc., Chicago, Ill. Noodles. 549,166, Oct. 9; Serial No. 579,346, published June 12, 1951. Class 46.
Newport Company, The, Carrollville, Wis., to Newport Industries, Inc., Pensacola, Fla. Rosin. 285,066, renewed July 14, 1951. O. G. Oct. 9. Class 1.
Newport Industries, Inc.: *See*—
Newport Company, The.
Nichols Wire and Aluminum Co., Davenport, Iowa. Aluminum foil. 549,182, Oct. 9; Serial No. 583,610, published July 17, 1951. Class 14.
Norge Corporation, Detroit, Mich., to Borg-Warner Corporation, Chicago, Ill. Water coolers. 285,077, renewed July 14, 1951. O. G. Oct. 9. Class 31.
Nyrope, Inc., New York, N. Y. Liquid preparation used for the relief of nausea and vomiting. 549,272, Oct. 9; Serial No. 601,686, published June 26, 1951. Class 18.
O-C Manufacturing Co., The: *See*—
O-C Manufacturing Company, The.
O-C Manufacturing Company, The, to F. H. Montmarquet, doing business as The O-C Manufacturing Co., Little Falls, N. J. Jock straps and suspensories, athletic supporters and anklets, etc. 289,935, renewed Dec. 15, 1951. O. G. Oct. 9. Class 44.
Oklahoma Mill Co., The, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 182,300, Apr. 8, 1924. New certificate. O. G. Oct. 9. Class 46.
Omega Chemical Company, The, New York, N. Y., to Societe Cadum, Courbevoie-Seine, France. Toilet soap. 286,828, renewed Sept. 8, 1951. O. G. Oct. 9. Class 52.
Oppenheim, Collins & Co. Inc., Wilmington, Del., Brooklyn, Buffalo, Garden City, and White Plains, N. Y., and East Orange and Morristown, N. J., and Philadelphia, Pa. Women's and misses' shoes. 549,130, Oct. 9; Serial No. 549,394, published July 17, 1951. Class 39.
Organon Inc.: *See*—
"Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G.

Orianna Metal Products Company: *See*—
Orianna Metal Products, Inc.
Orianna Metal Products, Inc., Philadelphia, Pa., assignee of P. Cohen, trading under the name Orianna Metal Products Company. Toy tops, toy flutes, and toys of the bandalore type. 549,113, Oct. 9; Serial No. 508,099, published June 5, 1951. Class 22.
Orr, Louis T., Jr., Chicago, Ill. Rifles, shotguns, pistols, revolvers. 549,230, Oct. 9; Serial No. 592,333, published July 17, 1951. Class 9.
Oster, John, Manufacturing Company: *See*—
American Shearer Manufacturing Co.
Ostrander-Sams Corporation, Waukegan, Ill. Greeting cards. 549,350, Oct. 9; Serial No. 598,102. Class 38.
P. R. Distilling Co.: *See*—
Puerto Rico Distilling Company.
Palm, Arnold, assignee: *See*—
Palm, Gertrud.
Palm, Gertrud, doing business as Palm Pharmacal Co., assignor to Arnold Palm, doing business as Palm Pharmacal Co., New York, N. Y. Medicinal tablets. 549,170, Oct. 9; Serial No. 579,885, published June 19, 1951. Class 18.
Palm Pharmacal Co.: *See*—
Palm, Gertrud.
Pan American Flour Mills: *See*—
Texas Star Flour Mills.
Paper Specialty Company, Wausau, Wis. Lining paper. 288,128, renewed Oct. 20, 1951. O. G. Oct. 9. Class 37.
Parfumerie De Raymond: *See*—
Fay, Edward J.
Parker Brothers, Inc., Salem, Mass. Board game. 549,231, Oct. 9; Serial No. 592,405, published June 12, 1951. Class 22.
Parlor Pride Mfg. Co. Inc.: *See*—
Miller, Osbert P.
Patek & Co., San Francisco, Calif. Sizing for the treatment of fabrics. 549,163, Oct. 9; Serial No. 578,461, published July 17, 1951. Class 6.
Pennbrook Ice Cream Company, Philadelphia, Pa. Water ice or sherbet frozen on a stick. 549,173, Oct. 9; Serial No. 581,438, published July 17, 1951. Class 46.
Pequea Works, Inc., Strasburg, Pa. Fishing tackle. 549,326, Oct. 9; Serial No. 608,323, published June 12, 1951. Class 22.
Pet Food Co.: *See*—
Canine Food Company.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. 549,319, Oct. 9; Serial No. 605,762, published July 17, 1951. Class 39.
Peters, M. C., Mill Co., Omaha, Nebr., to Allied Mills, Inc., Chicago, Ill. Feed. 84,405, re-renewed Dec. 12, 1951. O. G. Oct. 9. Class 46.
Petersen Show Case & Fixture Company, Los Angeles, Calif. Cold tables for holding and refrigerating foods. 549,333, Oct. 9; Serial No. 518,449. Class 31.
Petroleum Engineer Publishing Company, The, Dallas, Texas. Magazines. 549,225, Oct. 9; Serial No. 591,104, published July 17, 1951. Class 38.
Phyllis Shoe Company, Inc., Lowell, Mass. Ladies' and children's shoes. 549,254, Oct. 9; Serial No. 597,457, published July 17, 1951. Class 39.
Pierson, Calvin N., Hyattsville, Md. Periodical publication. 549,314, Oct. 9; Serial No. 605,529, published July 3, 1951. Class 38.
Pioneer Rubber Company, The, Willard, Ohio. Balloons, and inflatable rubber balls. 549,324, Oct. 9; Serial No. 607,640, published June 5, 1951. Class 22.
Plastic Playthings, Inc., White Plains, N. Y. Crib and carriage toys. 549,256, Oct. 9; Serial No. 598,751, published May 29, 1951. Class 22.
Plymouth Undergarment Co., New York, N. Y. Women's undergarments. 549,320, Oct. 9; Serial No. 605,764, published July 17, 1951. Class 39.
Poetker, Frank E., Azusa, Calif. Anglers' fish hook holding device. 549,237, Oct. 9; Serial No. 593,685, published June 12, 1951. Class 22.
Power Plus Products Ltd., Winnipeg, Manitoba, Canada. Golf clubs. 549,250, Oct. 9; Serial No. 596,688, published May 29, 1951. Class 22.
Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Domestic gas ranges, gas trailer ranges, etc. 549,328, Oct. 9; Serial No. 609,051, published July 3, 1951. Class 34.
Price Candy Company, Kansas City, Mo. Candy. 549,245, Oct. 9; Serial No. 595,851, published July 17, 1951. Class 46.
Products Packaging, Inc., Cleveland, Ohio. Cleansing fluids. 549,213, Oct. 9; Serial No. 588,516, published July 3, 1951. Class 52.
Publishers Syndicate, Chicago, Ill. Comic strip. 410,517. Nov. 28, 1944. Republished Oct. 9. Class 38.
Puerto Rico Distilling Co.: *See*—
Puerto Rico Distilling Company.
Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co., and P. R. Distilling Co., Arecibo, P. R. Denatured alcohol. 549,183–4, Oct. 9; Serial Nos. 584,180–1, published July 17, 1951. Class 6.
Purity Cheese Company, Mayville, Wis. Cheese food. 549,165, Oct. 9; Serial No. 579,130, published June 26, 1951. Class 46.

Pyle-National Company, The, Chicago, Ill. Circuit breaking plugs and receptacles. 288,987, renewed Nov. 10, 1951. O. G. Oct. 9. Class 21.
Quartararo, A. Ned, Brooklyn, N. Y. Frozen sea foods. 549,210, Oct. 9; Serial No. 587,818, published July 17, 1951. Class 46.
Radelle Lingerie Corporation, Long Island City, N. Y. Women's slips, petticoats and nightgowns. 549,281, Oct. 9; Serial No. 602,971, published July 17, 1951. Class 39.
Radio Station KWRL: *See*—
Ernst, Joseph P.
Randolph Manufacturing Company, Incorporated, Randolph, Mass. Canvas and rubber footwear. 549,282, Oct. 9; Serial No. 602,972, published July 17, 1951. Class 39.
Regal Heater Corporation, Los Angeles, Calif. Water heaters. 549,318, Oct. 9; Serial No. 605,699, published July 3, 1951. Class 34.
Rembrandt Lamp Corporation, Chicago, Ill. Lamp shades. 549,261, Oct. 9; Serial No. 599,587, published June 26, 1951. Class 21.
Robeson Cutlery Company, Inc., Perry, N. Y. Knife holders or racks. 545,043, July 17, 1951. Corrected. O. G. Oct. 9. Class 2.
Rock Island Millwork Company, Rock Island, Ill. Synthetic lumber. 549,354, Oct. 9; Serial No. 609,882. Class 12.
Rorer, William H., Inc., Philadelphia, Pa. Antacid. 549,313, Oct. 9; Serial No. 605,494, published June 26, 1951. Class 18.
Rosenthal Ackerman Millinery Company, St. Louis, Mo. Fashion periodical. 549,278, Oct. 9; Serial No. 602,337, published July 3, 1951. Class 38.
Ross, Will, Inc., Milwaukee, Wis. Surgical cleanser. 549,258, Oct. 9; Serial No. 599,264, published July 3, 1951. Class 52.
Rossie Velvet Company, Mystic, to A. Wimpfheimer & Bro. Inc., Stonington, Conn. Pile fabrics. 289,562, renewed Dec. 1, 1951. O. G. Oct. 9, 1951. Class 42.
Roxbury Chemical Works, Inc., Fall River, Mass., and Centredale, R. I. Liquid anti-static agent. 549,297, Oct. 9; Serial No. 604,550, published July 17, 1951. Class 6.
Rubber Corporation of California, The, Garden Grove, Calif. Rubber and rubber-canvas boots, shoes, athletic shoes, etc. 549,203, Oct. 9; Serial No. 586,654, published July 10, 1951. Class 39.
Rubin, J., Sons Inc. of Chicopee, Chicopee, Mass. Candy. 549,271, Oct. 9; Serial No. 601,468, published July 3, 1951. Class 46.
Russell Playing Card Company, Jersey City, N. J., to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 289,851, renewed Dec. 8, 1951. O. G. Oct. 9. Class 22.
St. Claire, Erne, Inc., Portland, Oreg. Artificial fishing lures. 549,259, Oct. 9; Serial No. 599,392, published May 29, 1951. Class 22.
San Antonio Brewing Association, San Antonio, Tex. Malt beverages. 315,873, Aug. 14, 1934. Restricted. O. G. Oct. 9. Class 48.
Schafer Farms, Elwood, Ind. Canned tomatoes. 549,181, Oct. 9; Serial No. 583,494, published June 5, 1951. Class 46.
Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Shoes. 549,112, Oct. 9; Serial No. 502,336, published July 10, 1951. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 549,355, Oct. 9; Serial No. 612,562. Class 42.
Sebastopol Apple Growers' Union, Sebastopol, Calif. Canned apple sauce. 549,270, Oct. 9; Serial No. 601,235, published June 19, 1951. Class 46.
Seeman Brothers, Inc., New York, N. Y. Canned foods. 549,127, Oct. 9; Serial No. 545,540, published June 5, 1951. Class 46.
Seidlitz Paint & Varnish Co., Kansas City, Mo. Liquid primer for surfaces to be painted. 549,334, Oct. 9; Serial No. 536,158. Class 16.
Sen-Sen Chiclet Company, New York, to American Chicle Company, Long Island City, N. Y. Chewing-gum and cachous. 84,536, re-renewed Dec. 19, 1951. O. G. Oct. 9. Class 46.
Shadowland Food Co., Inc., San Angelo, Tex. Pickled peppers and relish. 549,263, Oct. 9; Serial No. 599,982, published June 5, 1951. Class 46.
Shelby Gum Company, The, Shelby, Ohio. Chewing gum. 549,332, Oct. 9; Serial No. 518,327. Class 46.
Shifman Bros., Newark, N. J. Mattresses. 549,268, Oct. 9; Serial No. 600,921, published May 15, 1951. Class 32.
Shoe Corporation of America: *See*—
Schiff Company, The.
Siegel, Jacob, doing business as Jacob Siegel Company, to Jacob Siegel Company, Philadelphia, Pa. Men's topcoats, overcoats, and suits. 286,957, renewed Sept. 8, 1951. O. G. Oct. 9. Class 39.
Siegel, Jacob, Company: *See*—
Siegel, Jacob.
Siegel, Morris, Wilkes-Barre, Pa. Canned vegetables. 549,175, Oct. 9; Serial No. 582,245, published Nov. 21, 1950. Class 46.
Sinclair Coal Company, Kansas City, Mo. Coal. 549,346, Oct. 9; Serial No. 588,147. Class 1.
Smith, Lucille B., doing business as Lucille B. Smith Company, Fort Worth, Tex. Dry mix for making rolls, cake, and biscuits. 549,280, Oct. 9; Serial No. 602,722, published June 5, 1951. Class 46.
Smith, Lucille B., Company: *See*—
Smith, Lucille B.
Smithfield Packing Company, Inc., The, Smithfield, Va. Smoked and cooked hams, smoked picnics, link and bulk sausage, etc. 549,134, Oct. 9; Serial No. 558,075, published May 29, 1951. Class 46.
Smithfield Packing Company, Inc., The, Smithfield, Va. Meat loaf, cured and smoked ham sausage, etc. 549,135, Oct. 9; Serial No. 558,173, published May 29, 1951. Class 46.
Sneex, Inc., Columbus, Ohio. Salted edible food product. 549,300, Oct. 9; Serial No. 604,707, published July 17, 1951. Class 46.
Societe Cadum: *See*—
Omega Chemical Company, The.
Sodus Fruit Exchange, Sodus, Mich. Fresh deciduous fruits. 375,871, Mar. 5, 1940. Republished Oct. 9. Class 46.
Soiltone Fertilizer Co. of Lincoln, Lincoln, Nebr. Organic fertilizers. 549,335, Oct. 9; Serial No. 546,624. Class 10.
Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc. Iron tablet. 549,269, Oct. 9; Serial No. 600,993, published June 12, 1951. Class 18.
Square D Company, Detroit, Mich. Industrial switches, meter service switches, meter service breakers, etc. 279,120, Jan. 6, 1931. Republished Oct. 9. Class 21.
Standard Varnish Works, Staten Island, N. Y. Varnish, varnish remover, liquid drier, etc. 151,361, Jan. 31, 1922. Republished Oct. 9. Class 16.
Stanley Home Products, Inc.: *See*—
Kelley, Maude T.
Steward, D. M., Manufacturing Company, Chattanooga, Tenn. Mineral electrical insulation. 326,705, July 30, 1935. Republished Oct. 9. Class 21.
Stone, Gilbert R.: *See*—
Beffa, Victor.
Stone-Ordean-Wells Co., Duluth, Minn., to Milford Canning Company, Milford, Ill. Canned vegetables, fruits, fish, etc. 36,833, re-renewed July 30, 1951. O. G. Oct. 9. Class 46.
Storch, Max H., New York, N. Y. Silverplated and sterling silver knives, forks, etc. 539,779, Mar. 20, 1951. Amended. O. G. Oct. 9. Class 28.
Suffolk Peanut Company, The, Suffolk, Va. Raw unshelled peanuts. 549,311, Oct. 9; Serial No. 605,379, published July 17, 1951. Class 46.
Super Edible Oil Distributor: *See*—
Buffa, Philip.
Super Edible Oil Distributor, Inc., assignee: *See*—
Buffa, Philip.
Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden. Candy. 549,266, Oct. 9; Serial No. 600,626, published June 19, 1951. Class 46.
Swift & Company, Chicago, Ill. Sausage. 549,128, Oct. 9; Serial No. 546,528, published June 26, 1951. Class 46.
Takara Laboratories, Portland, Oreg., to Takara Laboratories Corporation, Hollywood, Calif. Hygienic powder. 288,464, renewed Oct. 27, 1951. O. G. Oct. 9. Class 51.
Takara Laboratories Corporation: *See*—
Takara Laboratories.
Testor Chemical Co., Rockford, Ill. Toys. 549,214, Oct. 9; Serial No. 588,604, published June 5, 1951. Class 22.
Texas Company, The, New York, N. Y. Wax acids. 549,223, Oct. 9; Serial No. 590,918, published July 17, 1951. Class 6.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat-flour. 77,343, Mar. 29, 1910. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat-flour. 147,175–6, Oct. 4, 1921. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 153,022, Mar. 7, 1922. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 159,129, Sept. 19, 1922. New certificate. O. G. Oct. 9. Class 46
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 224,122, Feb. 15, 1927. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour, corn products. 224,665, Mar. 1, 1927. New certificate. O. G. Oct. 9 Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 228,508, June 7, 1927. New certificate. O. G. Oct. 9. Class 46.

Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 231,399, Aug. 16, 1927. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour, graham flour, rye flour, etc. 231,481, Aug. 23, 1927. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 231,507, Aug. 23, 1927. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 395,024, May 5, 1942. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 503,855, Nov. 16, 1948. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 504,058, Nov. 23, 1948. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 508,139, Apr. 5, 1949. New certificate. O. G. Oct. 9. Class 46.
Texas Star Flour Mills, doing business as Pan American Flour Mills, to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex. Wheat flour. 533,359, Nov. 14, 1950. New certificate. O. G. Oct. 9. Class 46.
Thompson, Gladys G., doing business as Gail Gordon, St. Louis, Mo., and New York, N. Y. Toilet water, perfume, bath oil, etc. 549,137, Oct. 9; Serial No. 561,351, published June 19, 1951. Class 51.
Tillstrom, F. Burr, Chicago, Ill. Periodical publication. 549,291–2. Oct. 9; Serial Nos. 603,866–7, published July 17, 1951. Class 38.
Timken Roller Bearing Company, The, Canton, Ohio. Steel and alloy steel. 549,303, Oct. 9; Serial No. 604,870, published July 17, 1951. Class 14.
Trachtenbergs, Washington, D. C. Blouses, skirts, dresses, etc. 549,276, Oct. 9; Serial No. 602,175, published July 17, 1951. Class 39.
Undertakers Supply Co., Chicago, Ill. Deodorant, disinfectant, and mold preventative. 549,301, Oct. 9; Serial No. 604,752, published July 17, 1951. Class 6.
Undertakers Supply Co., Chicago, Ill. Deodorant and tissue sealer. 549,302, Oct. 9; Serial No. 604,753, published July 17, 1951. Class 6.
United American Metals Corporation, Brooklyn, N. Y. Babbitt metal. 549,142, Oct. 9; Serial No. 565,978, published July 17, 1951. Class 14.
United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 549,308, Oct. 9; Serial No. 605,275, published July 3, 1951. Class 38.
United Last Company, Boston, Mass. Bowling pins. 549,131, Oct. 9; Serial No. 552,520, published Apr. 4, 1950. Class 22.
U. S. Government Adviser, Inc., Washington, D. C. Journal. 549,167, Oct. 9; Serial No. 579,361, published July 17, 1951. Class 38.
United States Gypsum Company, Chicago, Ill. Expanded metal in sheet form. 549,151–2, Oct. 9; Serial Nos. 570,069–70, published July 17, 1951. Class 14.
United States Playing Card Company, The: *See*—
Russell Playing Card Company.
Universal Camera Corporation, New York, N. Y. Cameras, camera lenses, optical view finders, and range finders. 431,724, Aug. 5, 1947. Republished Oct. 9. Class 26.
Van Raalte Company, New York, N. Y. Fabric gloves. 336,096, Apr. 12, 1938. Amended. O. G. Oct. 9. Class 39.
Vernon Canning Co., Los Angeles, Calif. Canned potatoes. 549,136, Oct. 9; Serial No. 561,275, published June 5, 1951. Class 46.
Vernon, S. E. & M., Inc., to J. J. Newberry Co., New York, N. Y. Loose leaf binders and blank books. 288,078, renewed Oct. 20, 1951. O. G. Oct. 9. Class 37.
Victor Chemical Works, Chicago, Ill. Mineral supplement. 549,187, Oct. 9; Serial No. 584,647, published June 19, 1951. Class 18.
Warner Gear Company, Muncie, Ind., to Borg-Warner Corporation, Chicago, Ill. Bevel ring gears, pinions, differential casing, etc. 284,402, renewed June 23, 1951. O. G. Oct. 9. Class 23.
Warren Featherbone Company, The, Three Oaks, Mich. Cotton, mercerized cotton, tinsel, rayon, and silk ribbons, etc. 284,087, renewed June 16, 1951. O. G. Oct. 9. Class 42.
Watson Jack & Company Limited: *See*—
Fenwick Reddaway Mfg. Co.
Weber Lifelike Fly Co., The, also doing business as Weber of Stevens Point, Wisconsin, Stevens Point, Wis. Fishing equipment. 549,132, Oct. 9; Serial No. 555,123, published May 29, 1951. Class 22.
Weber of Stevens Point, Wisconsin: *See*—
Weber Lifelike Fly Co., The.
Wesco Foods Co.: *See*—
Kroger Grocery & Baking Co., The.
Wesco Foods Company: *See*—
Kroger Grocery & Baking Co., The.
West Coast Packing Corporation, Long Beach, Calif. Canned tomato paste. 549,197, Oct. 9; Serial No. 585,615, published June 5, 1951. Class 46.
Western Auto Supply Company, Kansas City, Mo. Bicycles, tricycles. 289,563, renewed Dec. 1, 1951. O. G. Oct. 9. Class 19.
Western Machine Tool Works, Holland, Mich. Machine tools. 289,567, renewed Dec. 1, 1951. O. G. Oct. 9. Class 23.
White, John, Footwear Limited, Higham Ferrers, Northamptonshire, England. Men's and youths' boots, shoes and slippers. 549,264, Oct. 9; Serial No. 600,238, published July 17, 1951. Class 39.
White-Stokes Co., Inc., Chicago, Ill. Soluble powdered jelly base. 549,244, Oct. 9; Serial No. 595,803, published July 3, 1951. Class 46.
Whitman, Stephen F. & Son, Inc., Philadelphia, Pa. Candy. 549,116, Oct. 9; Serial No. 511,716, published July 19, 1949. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 549,146, Oct. 9; Serial No. 567,823, published May 15, 1951. Class 46.
Wilson Products Company, Salt Lake City, Utah. Beef tamales and chili con carne. 549,139, Oct. 9; Serial No. 561,963, published July 3, 1951. Class 46.
Wimpfheimer, A., & Bro. Inc.: *See*—
Rossie Velvet Company.
Winthrop-Atkins Co., Inc., Middleboro, Mass. Photograph albums. 549,353, Oct. 9; Serial No. 607,365. Class 37.
Winthrop-Stearns Inc., New York, N. Y. Organic iodine compound. 549,307, Oct. 9; Serial No. 605,083, published June 26, 1951. Class 18.
Wonder Books, Inc., New York, N. Y. Books. 549,312, Oct. 9; Serial No. 605,387, published July 3, 1951. Class 38.
Wright-Batchelder Corporation, Boston, Mass. Shoe welts. 549,288, Oct. 9; Serial No. 603,324, published July 17, 1951. Class 39.
Wright Chemical Corporation, Chicago, Ill. Chemical compositions. 549,345, Oct. 9; Serial No. 585,880. Class 6.
Wyrstapes Co.: *See*—
Wyrstapes, Inc.
Wyrstapes, Inc., to Wyrstapes Co., New York, N. Y. Staples. 286,705, renewed Sept. 1, 1951. O. G. Oct. 9. Class 13.
York, Bertrand L., Piedmont, Calif. Frozen confections on a stick or handle. 549,277, Oct. 9; Serial No. 602,238, published July 17, 1951. Class 46.
Yorkville Paper Co., Inc., New York, N. Y. Aluminum wrapping material. 549,219, Oct. 9; Serial No. 589,357, published July 17, 1951. Class 14.
Zimmerman Associates, Guilford College, N. C. Textile chemical specialty. 549,186, Oct. 9; Serial No. 584,561, published July 17, 1951. Class 6.
Zinsser, William, & Co., Incorporated: *See*—
Zinsser, William, & Company, Incorporated.
Zinsser, William, & Company, Incorporated, by William Zinsser & Co., Incorporated, New York, N. Y. Bronze powders, bronzing liquids, dragon's blood, etc. 163,702, Jan. 23, 1923. Republished Oct. 9. Class 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Sinclair Coal Company. 549,346, Oct. 9; Serial No. 588,147.
Rosin. The Newport Company. 285,066, renewed July 14, 1951. O. G. Oct. 9.
Seed corn. C. Leland Monier & Sons. 549,344, Oct. 9; Serial No. 582,848.
Seeds, Garden vegetable. W. Atlee Burpee Co. 286,408, renewed Aug. 26, 1951. O. G. Oct. 9.

CLASS 2

Holders or racks, Knife. Robeson Cutlery Company, Inc. 545,043, July 17, 1951. Corrected. O. G. Oct. 9.

CLASS 3

Utility bags. Charles Doppelt & Co. 341,470, Dec. 8, 1936. Republished Oct. 9.

CLASS 4

Abrasive cloth, abrasive paper, abrasive belts, etc. Minnesota Mining & Manufacturing Company. 355,032, Mar. 8, 1938. Republished Oct. 9.
Abrasive cloth and abrasive paper. Minnesota Mining & Manufacturing Company. 348,472–3, July 27, 1937. Republished Oct. 9.
Abrasive cloth and abrasive paper. Minnesota Mining & Manufacturing Company. 351,770, Nov. 9, 1937. Republished Oct. 9.

Abrasive paper. Minnesota Mining & Manufacturing Company. 147,713, May 8, 1923. Republished Oct. 9.
Abrasive paper and abrasive cloth. Minnesota Mining & Mfg. Co. 141,174–5, Apr. 12, 1921. Republished Oct. 9.
Polish, Automobile body. Karseal Corporation. 549,243, Oct. 9; Serial No. 595,788, published July 3, 1951.
Polish, Stove. O. P. Miller. 288,148. Oct. 20, 1931. New certificate. O. G. Oct. 9.
Polishing tissues, Silicone treated. Dow Corning Corporation. 549,149. Oct. 9; Serial No. 569,828, published July 3, 1951.
Wax, Liquid. The Beacon Company. 549,255. Oct. 9; Serial No. 597,996, published July 3, 1951.

CLASS 6

Astringents, astringent cerates, bleach creams, etc. Campana Corporation. 311,244, Mar. 20, 1934. Amended. O. G. Oct. 9.
Calcium soaps of soya-bean fatty acids. The Harshaw Chemical Company. 549,257, Oct. 9; Serial No. 598,795, published June 12, 1951.
Chemical compositions. Wright Chemical Corporation. 549,345, Oct. 9; Serial No. 585,880.
Corrosion inhibitor. Humble Oil & Refining Company. 549,239, Oct. 9; Serial No. 594,324, published July 17, 1951.
Denatured alcohol. Puerto Rico Distilling Company. 549,183–4, Oct. 9; Serial Nos. 584,180–1, published July 17, 1951.
Deodorant and tissue sealer. Undertakers Supply Co. 549,302, Oct. 9; Serial No. 604,753, published July 17, 1951.
Deodorant, disinfectant, and mold preventative. Undertakers Supply Co. 549,301, Oct. 9; Serial No. 604,752, published July 17, 1951.
Dyes and dyestuffs, chemical products. Chemische Fabrik Stockhausen & Cie. 251,095, renewed Dec. 25, 1948. O. G. Oct. 9.
Filled germicide and insecticide dispensers. Knapp-Monarch Company. 549,160, Oct. 9; Serial No. 578,085, published Dec. 5, 1950.
Fixing and developing compounds. Arkansas Company, Inc. 549,117, Oct. 9; Serial No. 517,955, published July 17, 1951.
Herbicides, fungicides, and insecticides. Monsanto Chemical Company. 549,189, Oct. 9; Serial No. 585,028, published July 17, 1951.
Insecticidal liquid. McLaughlin Gormley King Company. 549,194, Oct. 9; Serial No. 585,340, published July 17, 1951.
Insecticide. William Cooper & Nephews, Incorporated. 286,260, renewed Aug. 25, 1951. O. G. Oct. 9.
Insecticides. Community Exterminating Corp. 549,228, Oct. 9. Serial No. 591,771, published July 17, 1951.
LPG fuel, butane, propane, etc. KeyStone-Fleming, Inc. 549,235, Oct. 9; Serial No. 593,224, published June 19, 1951.
Liquid anti-static agent. Roxbury Chemical Works, Inc. 549,297, Oct. 9; Serial No. 604,550, published July 17, 1951.
Monoesters of polyhydric alcohols. Distillation Products, Inc. 549,216, Oct. 9; Serial No. 588,920, published July 17, 1951.
Parasiticides. Food Machinery and Chemical Corporation. 549,164, Oct. 9; Serial No. 579,089, published July 17, 1951.
Quaternary ammonium compound sanitizers. Klenzade Products, Incorporated. 549,178, Oct. 9; Serial No. 583,042, published July 17, 1951.
Sizing for the treatment of fabrics. Patek & Co. 549,163, Oct. 9; Serial No. 578,461, published July 17, 1951.
Starch. Corn Products Refining Company. 549,341, Oct. 9; Serial No. 573,760.
Textile chemical specialty. Zimmerman Associates. 549,186, Oct. 9; Serial No. 584,561, published July 17, 1951.
Wax acids. The Texas Company. 549,223, Oct. 9; Serial No. 590,918, published July 17, 1951.

CLASS 7

Rope, Wire. Macomber & Whyte Rope Company. 83,754, re-renewed Oct. 10, 1951. O. G. Oct. 9.

CLASS 9

Arms, ammunition, cartridge cases, etc. Imperial Chemical Industries Limited London and Millbank. 549,241, Oct. 9; Serial No. 594,779, published July 17, 1951.
Explosive caps for use in toy pistols. J. Halpern Company. 549,233, Oct. 9; Serial No. 592,811, published July 17, 1951.
Rifle cartridges. Gamble-Skogmo, Inc. 549,284, Oct. 9; Serial No. 603,056, published July 17, 1951.
Rifles, shotguns, pistols, revolvers. L. T. Orr, Jr. 549,230, Oct. 9; Serial No. 592,333, published July 17, 1951.

CLASS 10

Fertilizers. W. J. Hoover. 549,260, Oct. 9; Serial No. 599,515, published July 17, 1951.
Fertilizers, Organic. Soiltone Fertiliser Co. of Lincoln. 549,335, Oct. 9; Serial No. 546,624.

CLASS 11

Colors for printing inks. Ansbacher-Siegle Corporation. 549,286, Oct. 9; Serial No. 603,099, published July 10, 1951.

CLASS 12

Brick, Refractory. General Refractories Company. 281,625, renewed Mar. 24, 1951. O. G. Oct. 9.
Brick, Fire. A. P. Green Fire Brick Company. 549,316, Oct. 9; Serial No. 605,581, published June 12, 1951.
Cement, Non-staining waterproofed mortar. Medusa Portland Cement Company. 288,535, renewed Nov. 3, 1951. O. G. Oct. 9.
Certain articles used in building construction. W. A. Fingles, Inc. 285,669, renewed Aug. 4, 1951. O. G. Oct. 9.
Lumber, Synthetic. Rock Island Millwork Company. 549,354, Oct. 9; Serial No. 609,882.
Mortar, Refractory. A. P. Green Fire Brick Company. 549,317, Oct. 9; Serial No. 605,582, published June 12, 1951.

CLASS 13

Staples. Wyrstapes, Inc. 286,705, renewed Sept. 1, 1951. O. G. Oct. 9.

CLASS 14

Aluminum foil. Cochran Foil Company. 549,290, Oct. 9; Serial No. 603,731, published July 17, 1951.
Aluminum foil. Nichols Wire and Aluminum Co. 549,182, Oct. 9; Serial No. 583,610, published July 17, 1951.
Aluminum wrapping material. Yorkville Paper Co., Inc. 549,219, Oct. 9; Serial No. 589,357, published July 17, 1951.
Iron castings, Gray. The Decatur Casting Company. 549,322, Oct. 9; Serial No. 606,935, published July 17, 1951.
Metal, Babbitt. United American Metals Corporation. 549,142, Oct. 9; Serial No. 565,978, published July 17, 1951.
Metal in sheet form, Expanded. United States Gypsum Company. 549,151–2, Oct. 9; Serial Nos. 570,069–70, published July 17, 1951.
Metal products. The American Metal Company, Limited. 549,133, Oct. 9; Serial No. 557,882, published Apr. 25, 1950.
Metal stampings. Eastern Tool & Stamping Co. 549,242, Oct. 9; Serial No. 595,538, published July 17, 1951.
Metal stampings, Custom-made. HPL Manufacturing Company. 549,124, Oct. 9; Serial No. 544,997, published Jan. 24, 1950.
Refrigeration packaging products—namely, aluminum wrapping foil. International Harvester Company. 549,273, Oct. 9; Serial No. 601,791, published July 17, 1951.
Steel and alloy steel. The Timken Roller Bearing Company. 549,303, Oct. 9; Serial No. 604,870, published July 17, 1951.
Steel, Sheet and strip. Detroit Steel Corporation. 549,299, Oct. 9; Serial No. 604,690, published July 17, 1951.
Steel wire. The American Steel and Wire Company of New Jersey. 549,321, Oct. 9; Serial No. 606,112, published July 17, 1951.
Tool Steel, Ground. Marshall Steel Company. 549,153–4, Oct. 9; Serial Nos. 571,648–9, published July 17, 1951.

CLASS 16

Bronze powders, bronzing liquids, dragon's blood, etc. William Zinsser & Company, Incorporated. 163,702, Jan. 23, 1923. Republished Oct. 9.
Liquid primer for surfaces to be painted. Seidlits Paint & Varnish Co. 549,334, Oct. 9; Serial No. 536,158.
Paint base coats, ready-mixed paints, varnishes, etc. G. J. Liebich Co. 309,369, Jan. 9, 1934. Republished Oct. 9.
Paint enamel, lacquer, varnish, etc. G. J. Liebich Co. 414,302, June 5, 1945. Republished Oct. 9.
Paint, Flat wall. The Foy Paint Company, Inc. 549,340, Oct. 9; Serial No. 569,447.
Paints, Dry, paste, and ready-mixed, varnishes, etc. G. J. Liebich Co. 131,533, May 18, 1920. Republished Oct. 9.
Paints, Mixed, paint enamels, lacquers, etc. G. J. Liebich Co. 349,919, Sept. 14, 1937. Republished Oct. 9.
Varnish, varnish remover, liquid drier, etc. Standard Varnish Works. 151,361, Jan. 31, 1922. Republished Oct. 9.
Wood filler for cracks and crevices. G. J. Liebich Co. 310,344, Feb. 20, 1934. Republished Oct. 9.

CLASS 17

Cigarettes, smoking tobacco, cigars, and snuff. Peter Jackson (Tobacco Manufacturer) Limited. 290,532, Jan. 5, 1932. Amended. O. G. Oct. 9.

CLASS 18

Antacid. William H. Rorer, Inc. 549,313, Oct. 9; Serial No. 605,494, published June 26, 1951.
Antihistamine preparation. Abbott Laboratories. 549,185, Oct. 9; Serial No. 584,373, published June 19, 1951.

Antirheumatic, analgesic, antipyretic preparation. Geigy Company, Inc. 549,306, Oct. 9; Serial No. 605,023, published June 26, 1951.
Iron, arsenic and strychnine tonics. E. S. Miller Laboratories, Inc. 549,208, Oct. 9; Serial No. 587,496, published June 26, 1951.
Iron tablet. Special Milk Products, Inc. 549,269, Oct. 9; Serial No. 600,993, published June 12, 1951.
Liquid preparation used for the relief of nausea and vomiting. Nyrope, Inc. 549,272, Oct. 9; Serial No. 601,686, published June 26, 1951.
Medicinal and pharmaceutical preparations. The S. E. Massengill Company. 549,246, Oct. 9; Serial No. 595,905, published June 26, 1951.
Medicinal cream. Colbtrans Co., Inc. 549,227, Oct. 9; Serial No. 591,405, published June 19, 1951.
Medicinal preparation. "Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G. 289,534, renewed Dec. 1, 1951. O. G. Oct. 9.
Medicinal preparation. H. P. Hannon. 549,150, Oct. 9; Serial No. 570,025, published July 17, 1951.
Medicinal preparation. Eli Lilly and Company. 549,251, Oct. 9; Serial No. 596,928, published June 19, 1951.
Medicinal preparation. R. J. Moran Co. 549,129, Oct. 9; Serial No. 547,753, published Oct. 19, 1948.
Medicinal tablets. G. Palm. 549,170, Oct. 9; Serial No. 579,885, published June 19, 1951.
Mineral supplement. Victor Chemical Works. 549,187, Oct. 9; Serial No. 584,647, published June 19, 1951.
Oral preparation in capsule form. Abbott Laboratories. 549,262, Oct. 9; Serial No. 599,732, published June 26, 1951.
Organic iodine compound. Winthrop-Stearns Inc. 549,307, Oct. 9; Serial No. 605,083, published June 26, 1951.
Pectoral compound. Lanman & Kemp. 84,106, re-renewed Nov. 7, 1951. O. G. Oct. 9.
Pharmaceutical preparation. The S. E. Massengill Company. 549,249, Oct. 9; Serial No. 596,598, published June 26, 1951.
Pharmaceutical preparations. The Cramer Chemical Co. 549,221, Oct. 9; Serial No. 589,955, published June 26, 1951.
Pill, Friable. Chicago Pharmacal Company. 339,594, Oct. 13, 1936. Republished Oct. 9.
Powder soluble in solution and containing chlorophyll. American Chlorophyll, Inc. 549,224, Oct. 9; Serial No. 590,969, published June 26, 1951.
Stomach bitters. F. Branca. 285,705–7, renewed Aug. 4, 1951. O. G. Oct. 9.
Suppositories. Dr. Pierre Chemical Company. 51,636, Apr. 17, 1906. Republished Oct. 9.
Tablets or discs containing predetermined amounts of different antibiotics. Commercial Solvents Corporation. 549,279, Oct. 9; Serial No. 602,495, published June 26, 1951.
Vaccine, Hog cholera. American Cyanamid Company. 549,305, Oct. 9; Serial No. 605,006, published June 26, 1951.
Vermifuge for animals. Barnes Laboratory, Inc. 549,315, Oct. 9; Serial No. 605,545, published June 19, 1951.
Vitamin preparation. George A. Breon & Company. 549,220, Oct. 9; Serial No. 589,953, published Oct. 17, 1950.

CLASS 19

Bicycles, tricycles. Western Auto Supply Company. 289,563, renewed Dec. 1, 1951. O. G. Oct. 9.
Refuse bodies devised for mounting on vehicles. The Heil Co. 549,348, Oct. 9; Serial No. 594,219.

CLASS 21

Batteries, Storage, and battery boxes. The General Tire & Rubber Company. 549,253, Oct. 9; Serial No. 597,335, published June 26, 1951.
Composition for electrical insulation. Johns-Manville Corporation. 286,079, renewed Aug. 11, 1951. O. G. Oct. 9.
Electric wall and knife switches, panelboards, switchboards, etc. Metropolitan Electric Mfg. Co. 83,081, re-renewed Aug. 15, 1951. O. G. Oct. 9.
Electrical insulating tape, Pressure-sensitive. Minnesota Mining & Manufacturing Company. 549,226, Oct. 9; Serial No. 591,310, published June 26, 1951.
Electrical insulation, Mineral. D. M. Steward Manufacturing Company. 326,705, July 30, 1935. Republished Oct. 9.
Electrically heated tools. Lectro-Weld, Inc. 549,351, Oct. 9; Serial No. 600,290.
Filters, Electrical, interference eliminators and electrical capacitors. Cornell-Dubilier Electric Corporation. 549,289, Oct. 9; Serial No. 603,439, published July 10, 1951.
Heating elements, Electric. Eagle Electric Mfg. Co. Inc. 549,293, Oct. 9; Serial No. 603,987, published June 26, 1951.
Lamp shades. Rembrandt Lamp Corporation. 549,261, Oct. 9; Serial No. 599,587, published June 26, 1951.
Material used in connection with underfloor electric-wiring systems. National Electric Products Corporation. 549,287, Oct. 9; Serial No. 603,140, published June 26, 1951.
Photoelectric cells and their actuating circuits and parts thereof. "Automatic" Sprinkler Corporation of America. 549,327, Oct. 9; Serial No. 608,854, published July 10, 1951.
Plugs and receptacles, Circuit breaking. The Pyle-National Company. 288,087, renewed Nov. 10, 1951. O. G. Oct. 9.
Radio and television receiving sets. The Hallicrafters Co. 549,329, Oct. 9; Serial No. 609,681, published July 17, 1951.
Spark plug cores. Thomas A. Edison, Incorporated. 549,325, Oct. 9; Serial No. 608,203, published July 10, 1951.
Spirally laminated paper tubing. The Cleveland Container Company. 549,232, Oct. 9; Serial No. 592,737, published July 3, 1951.
Switches, Industrial, meter service switches, meter service breakers, etc. Square D Company. 279,120, Jan. 6, 1931. Republished Oct. 9.

CLASS 22

Balloons, and inflatable rubber balls. The Pioneer Rubber Company. 549,324, Oct. 9; Serial No. 607,640, published June 5, 1951.
Bowling pins. United Last Company. 549,131, Oct. 9; Serial No. 552,520, published Apr. 4, 1950.
Cards, Playing. A. C. Daman. 549,144–5, Oct. 9; Serial Nos. 566,918–19, published June 5, 1951.
Cards, Playing. Russell Playing Card Company. 289,851, renewed Dec. 8, 1951. O. G. Oct. 9.
Doll garment hangers. Holtz & Son, Inc. 549,298, Oct. 9; Serial No. 604,637, published May 29, 1951.
Fish bait, Pork rind. Lutz Pork Bait Co. 549,118, Oct. 9; Serial No. 522,230, published June 5, 1951.
Fish bait, Pork rind. Lutz Pork Bait Co. 549,119, Oct. 9; Serial No. 522,234, published June 5, 1951.
Fish hook holding device, Anglers'. F. E. Poetker. 549,237, Oct. 9; Serial No. 593,685, published June 12, 1951.
Fish lures, Artificial. Lipman Lures, Incorporated. 549,247, Oct. 9; Serial No. 596,228, published June 5, 1951.
Fishing decoys and plugs, Artificial. J. G. Ammon. 549,265, Oct. 9; Serial No. 600,250, published May 29, 1951.
Fishing equipment. The Weber Lifelike Fly Co. 549,132, Oct. 9; Serial No. 555,123, published May 29, 1951.
Fishing lures, Artificial. Erne St. Claire, Inc. 549,259, Oct. 9; Serial No. 599,392, published May 29, 1951.
Fishing reels, Spinning type. Myco, Inc. 549,248, Oct. 9; Serial No. 596,232, published June 5, 1951.
Fishing rods. James Heddon's Sons. 549,274, Oct. 9; Serial No. 601,862, published June 5, 1951.
Fishing tackle. Pequea Works, Inc. 549,326, Oct. 9; Serial No. 608,323, published June 12, 1951.
Footballs, football bladders, handballs, etc. Aktiebolaget Cykelfabriken Monark. 549,229, Oct. 9; Serial No. 592,062, published June 12, 1951.
Game, Board. Parker Brothers, Inc. 549,231, Oct. 9; Serial No. 592,405, published June 12, 1951.
Games. H. H. Gordon. 549,188, Oct. 9; Serial No. 585,018, published May 29, 1951.
Golf clubs. Power Plus Products Ltd. 549,250, Oct. 9; Serial No. 596,688, published May 29, 1951.
Toy building blocks. Invention Sales Company. 549,240, Oct. 9; Serial No. 594,381, published June 12, 1951.
Toy tops, toy flutes, and toys of the bandalore type. Orianna Metal Products, Inc. 549,113, Oct. 9; Serial No. 508,099, published June 5, 1951.
Toys. Testor Chemical Co. 549,214, Oct. 9; Serial No. 588,604, published June 5, 1951.
Toys, Buoyant fish-like. Dolphin Toys. 549,115, Oct. 9; Serial No. 510,494, published June 5, 1951.
Toys, Crib and carriage. Plastic Playthings, Inc. 549,256, Oct. 9; Serial No. 598,751, published May 29, 1951.
Trolling spoons. L. M. Davis. 549,323, Oct. 9; Serial No. 607,491, published June 5, 1951.

CLASS 23

Bevel ring gears, pinions, differential casing, etc. Warner Gear Company. 284,402, renewed June 23, 1951. O. G. Oct. 9.
Clippers and their parts, Hair and wool. American Shearer Manufacturing Co. 55,032, Aug. 7, 1906. Republished Oct. 9.
Machines for grinding up garbage. Given Manufacturing Company. 444,485, May 1, 1951. Republished Oct. 9.
Tools, Machine. Western Machine Tool Works. 289,567, renewed Dec. 1, 1951. O. G. Oct. 9.
Water pump, Portable. Fenwick Reddaway Mfg. Co. 287,710, renewed Oct. 6, 1951. O. G. Oct. 9.

CLASS 24

Washing devices. M. T. Kelley. 287,649, renewed Sept. 29, 1951. O. G. Oct. 9.

CLASS 26

Cameras, camera lenses, optical view finders, and range finders. Universal Camera Corporation. 431,724, Aug. 5, 1947. Republished Oct. 9.

Flexible bands provided with grips for engaging the ends of the temples of pairs of spectacles, etc. Foster Grant Co. Inc. 549,343, Oct. 9; Serial No. 578,588.

CLASS 27

Watches, watch movements, and watch cases. Elgin National Watch Company. 288,383, renewed Oct. 27, 1951. O. G. Oct. 9.

CLASS 28

Knives, forks, etc., Silverplated and sterling silver. M. H. Storch. 539,779, Mar. 20, 1951. Amended. O. G. Oct. 9.

CLASS 29

Brushes, Hair and toilet. E. J. Fay. 285,772, Aug. 4, 1931. Republished Oct. 9.

CLASS 31

Cold tables for holding and refrigerating foods. Petersen Show Case & Fixture Company. 549,333, Oct. 9; Serial No. 518,449.

Coolers, Water. Norge Corporation. 285,077, renewed July 14, 1951. O. G. Oct. 9.

CLASS 32

Mattresses. Shifman Bros. 549,268, Oct. 9; Serial No. 600,921, published May 15, 1951.

Tables, All-purpose, and invoice desks. G. H. Bishop Company. 549,296, Oct. 9; Serial No. 604,351, published July 3, 1951.

CLASS 34

Air conditioning units, Electrically operated. The Coroaire Heater Corporation. 549,179, Oct. 9; Serial No. 583,144, published July 10, 1951.

Blowers. Eureka Williams Corporation. 549,206, Oct. 9; Serial No. 587,221, published July 3, 1951.

Boilers, Steam. The Nebraska Boiler and Supply Co. 549,331, Oct. 9; Serial No. 610,223, published July 10, 1951.

Burners, Domestic oil. Electrol Incorporated. 281,671, Mar. 24, 1931. Republished Oct. 9.

Fans. Bayley Blower Company. 549,125, Oct. 9; Serial No. 543,424, published July 10, 1951.

Fans, Ventilating, and floor furnaces. The Murray Company of Texas, Inc. 549,285, Oct. 9; Serial No. 603,076, published July 3, 1951.

Furnaces, Automatic oil burning warm air. Montag Stove & Furnace Works. 549,217, Oct. 9; Serial No. 589,165, published July 10, 1951.

Heat exchangers, Surface type, direct contact heat exchangers, deaerating heaters, etc. Allis-Chalmers Manufacturing Company. 549,218, Oct. 9; Serial No. 589,296, published July 3, 1951.

Heaters, Water. Regal Heater Corporation. 549,318, Oct. 9; Serial No. 605,699, published July 3, 1951.

Heating and circulating machines, Liquid. Industrial Manufacturing Corp. 549,155, Oct. 9; Serial No. 572,564, published July 3, 1951.

Ovens, Revolving-tray bakery. Industrial Oven and Equipment Company. 549,147, Oct. 9; Serial No. 568,800, published July 3, 1951.

Ranges, Domestic gas, gas trailer ranges, etc. Prentiss Wabers Products Co. 549,328, Oct. 9; Serial No. 609,051, published July 3, 1951.

Registers, Outlet. General Electric Company. 549,196, Oct. 9; Serial No. 585,583, published July 3, 1951.

CLASS 37

Albums, Photograph. Winthrop-Atkins Co., Inc. 549,353, Oct. 9; Serial No. 607,365.

Loose leaf binders and blank books. S. E. & M. Vernon, Inc. 229,078, renewed Oct. 20, 1951. O. G. Oct. 9.

Paper, Lining. Paper Specialty Company. 288,128, renewed Oct. 20, 1951. O. G. Oct. 9.

Paper, Reinforced. Mosinee Paper Mills Company. 288,120, renewed Oct. 20, 1951. O. G. Oct. 9.

Pencils, Black lead. Richard Best Pencil Company, Inc. 286,164, renewed Aug. 18, 1951. O. G. Oct. 9.

Pencils, Black lead and colored. Richard Best Pencil Company, Inc. 286,163, renewed Aug. 18, 1951. O. G. Oct. 9.

Pencils, Black lead, colored, copying, and indelible pencils. Richard Best Pencil Company, Inc. 288,090, renewed Oct. 20, 1951. O. G. Oct. 9.

Pencils, Lead. Richard Best Pencil Company, Inc. 286,144-5, renewed Aug. 18, 1951. O. G. Oct. 9.

Pencils, Lead, pencil leads; and pen and pencil sets. Eberhard Faber Pencil Company. 549,347, Oct. 9; Serial No. 592,484.

Pens, Fountain. The Conklin Pen Company. 285,914, renewed Aug. 11, 1951. O. G. Oct. 9.

Printed forms, typewriter paper, and stenographers' note books. Associated Stationers Supply Company. 288,092, renewed Oct. 20, 1951. O. G. Oct. 9.

CLASS 38

Books. Wonder Books, Inc. 549,312, Oct. 9; Serial No. 605,387, published July 3, 1951.

Cards, Greeting, and indicia for greeting cards. M. A. Levin. 549,236, Oct. 9; Serial No. 593,278, published July 3, 1951.

Comic strip. Publishers Syndicate. 410,517, Nov. 28, 1944. Republished Oct. 9.

Directories. F. Kogos. 549,352, Oct. 9; Serial No. 604,156.

Drawings, Comic. United Feature Syndicate, Inc. 549,308, Oct. 9; Serial No. 605,275, published July 3, 1951.

Greeting cards. Ostrander-Sams Corporation. 549,350, Oct. 9; Serial No. 598,102.

Journal, U. S. Government Advertiser, Inc. 549,167, Oct. 9; Serial No. 579,361, published July 17, 1951.

Magazine, Monthly, American Medical Association. 549,349, Oct. 9; Serial No. 595,298.

Magazines, The Petroleum Engineer Publishing Company. 549,225, Oct. 9; Serial No. 591,104, published July 17, 1951.

Magazines, Comic. Nation-Wide Publishing Corp. 549,309, Oct. 9; Serial No. 605,324, published July 3, 1951.

News column, Published. D. Koenig. 549,310, Oct. 9; Serial No. 605,340, published July 3, 1951.

Pamphlets, Good will, educational, congratulatory, etc. Abbott Laboratories. 549,157, Oct. 9; Serial No. 574,077, published July 17, 1951.

Periodical. Clissold Publishing Co. 549,252, Oct. 9; Serial No. 597,066, published July 3, 1951.

Periodical, Fashion. Rosenthal Ackerman Millinery Company. 549,278, Oct. 9; Serial No. 602,337, published July 3, 1951.

Periodicals, Trade. National Standard Parts Association. 549,294, Oct. 9; Serial No. 604,020, published July 3, 1951.

Publication, Periodical. C. N. Pierson. 549,314, Oct. 9; Serial No. 605,529, published July 3, 1951.

Publication, Periodical. F. B. Tillstrom. 549,291-2, Oct. 9; Serial Nos. 603,866-7, published July 17, 1951.

CLASS 39

Blouses, skirts, dresses, etc. Trachtenbergs. 549,276, Oct. 9; Serial No. 602,175, published July 17, 1951.

Boots, Rubber and rubber-canvas, shoes, athletic shoes, etc. The Rubber Corporation of California. 549,203, Oct. 9; Serial No. 586,654, published July 10, 1951.

Boots, shoes and slippers, Men's and youths'. John White Footwear Limited. 549,264, Oct. 9; Serial No. 600,238, published July 17, 1951.

Brassières. Peter Pan Foundations, Inc. 549,319, Oct. 9; Serial No. 605,762, published July 17, 1951.

Clothing, Women's. Eagle Clothes, Inc. 549,205, Oct. 9; Serial No. 587,145, published July 10, 1951.

Corsets and foundation garments. Crescent Corset Company, Inc. 549,238, Oct. 9; Serial No. 593,861, published July 17, 1951.

Dresses, Ladies'. Ladycraft Dresses, Inc. 549,193, Oct. 9; Serial No. 585,288, published July 17, 1951.

Footwear, Canvas and rubber. Randolph Manufacturing Company, Incorporated. 549,282, Oct. 9; Serial No. 602,972, published July 17, 1951.

Gloves. Fownes Bros. & Co. Inc. 549,209, Oct. 9; Serial No. 587,544, published July 17, 1951.

Gloves, Fabric. Van Raalte Company. 356,096, Apr. 12, 1938. Amended. O. G. Oct. 9.

Gloves, Work. Jasper Glove Company, Inc. 549,190, Oct. 9; Serial No. 585,071, published July 17, 1951.

Hats, Women's. Brandt Millinery Co., Inc. 444,579, Oct. 9; Serial No. 521,852.

Shoe welts. Wright-Batchelder Corporation. 549,288, Oct. 9; Serial No. 603,324, published July 17, 1951.

Shoes. The Schiff Company. 549,112, Oct. 9; Serial No. 502,336, published July 10, 1951.

Shoes and insoles, Leather. Adler Sons Shoe Corp. 549,158, Oct. 9; Serial No. 575,829, published July 10, 1951.

Shoes, Infants'. Littonian Shoe Co. 549,204, Oct. 9; Serial No. 587,114, published July 10, 1951.

Shoes, Ladies' and children's. Phyllis Shoe Company, Inc. 549,254, Oct. 9; Serial No. 597,457, published July 17, 1951.

Shoes, Ladies' and girls'. I. Miller & Sons, Inc. 549,295, Oct. 9; Serial No. 604,211, published July 17, 1951.

Shoes, Ladies' and misses'. American Girl Shoe Co. 549,304, Oct. 9; Serial No. 604,894, published July 17, 1951.

Shoes, Leather, fabric shoes, etc. The Feltman & Curme Shoe Stores Company. 350,967, Oct. 12, 1937. Republished Oct. 9.

Shoes, Leather, fabric shoes, etc. The Feltman & Curme Shoe Stores Company. 360,224, Sept. 13, 1938. Republished Oct. 9.

Shoes, Leather, fabric shoes, and shoes of leather and fabric. The Feltman & Curme Shoe Stores Company. 328,748, Oct. 1, 1935. Republished Oct. 9.

Shoes, Men's. Freeman Shoe Corporation. 549,140, Oct. 9; Serial No. 562,463, published July 10, 1951.

Shoes, Men's leather. The Coward Shoe Inc. 549,138, Oct. 9; Serial No. 561,725, published July 17, 1951.

Shoes, Women's. John Irving Shoe Corporation. 549,330, Oct. 9; Serial No. 609,862, published July 17, 1951.

Shoes, Women's and misses'. Oppenheim, Collins & Co. Inc. 549,130, Oct. 9; Serial No. 549,394, published July 17, 1951.

Slippers, Children's. Blankiette Corporation. 549,199, Oct. 9; Serial No. 586,078, published July 10, 1951.

Slips, petticoats and nightgowns, Women's. Radelle Lingerie Corporation. 549,281, Oct. 9; Serial No. 602,971, published July 17, 1951.

Sport apparel, Women's. D. R. Appel. 549,337, Oct. 9; Serial No. 564,091.

Stockings, Larkwood Silk Hosiery Mills, Inc. 289,672, renewed Dec. 1, 1951. O. G. Oct. 9.

Suits, coats, vests, etc., Men's. Dover Lane Clothes, Inc. 549,148, Oct. 9; Serial No. 569,510, published July 17, 1951.

Suits, Men's. Hart Schaffner & Marx. 549,143, Oct. 9; Serial No. 566,401, published July 10, 1951.

Suits, trousers, knickers, etc. The J. L. Hudson Company. 549,123, Oct. 9; Serial No. 538,757, published July 10, 1951.

Topcoats, overcoats, and suits, Men's. J. Siegel. 286,957, renewed Sept. 8, 1951. O. G. Oct. 9.

Underdrawers or under pants, Children's. Associated Crib Diaper Companies, Inc. 549,198, Oct. 9; Serial No. 585,908, published July 17, 1951.

Undergarments, Women's. Plymouth Undergarment Co. 549,320, Oct. 9; Serial No. 605,764, published July 17, 1951.

CLASS 40

Fans (nonelectric). V. Beffa. 285,022, renewed July 14, 1951. O. G. Oct. 9.

Trimmings for clothing or millinery purposes. Centrotex, Akciová Společnost PRO Dovoz a Vývoz ČS. Textilního a Oděvního Průmyslu. 549,211, Oct. 9; Serial No. 587,933, published June 26, 1951.

CLASS 42

Cotton, mercerized cotton, tinsel, rayon and silk ribbons, etc. The Warren Featherbone Company. 284,087, renewed June 16, 1951. O. G. Oct. 9.

Fabrics, Pile. Rossie Velvet Company. 289,562, renewed Dec. 1, 1951. O. G. Oct. 9.

Fabrics, Velvet. Crompton Company. 549,342, Oct. 9; Serial No. 573,926.

Piece-goods. Kanmak Textiles Inc. 444,578, Oct. 9; Serial No. 521,897, published Sept. 23, 1947.

Rugs, Textile, and carpeting. Sears, Roebuck and Co. 549,355, Oct. 9; Serial No. 612,562.

CLASS 43

Yarns, threads, and yarn and thread filaments. American Viscose Corporation. 549,202, Oct. 9; Serial No. 586,616, published July 17, 1951.

CLASS 44

Dentures, Full, partial dentures, and bridges. H. P. Boos. 286,353, renewed Aug. 25, 1951. O. G. Oct. 9.

Jock straps and suspensories, athletic supporters and anklets, etc. The O-C Manufacturing Company. 289,935, renewed Dec. 15, 1951. O. G. Oct. 9.

CLASS 45

Water. Mountain Valley Springs Company. 36,871, renewed Aug. 6, 1951. O. G. Oct. 9.

CLASS 46

Beef tamales and chili con carne. Wilson Products Company. 549,139, Oct. 9; Serial No. 561,963, published July 3, 1951.

Candies. Ida May Chocolates, Inc. 549,172, Oct. 9; Serial No. 580,669, published May 29, 1951.

Candies. The Kroger Grocery & Baking Co. 288,770, renewed Nov. 3, 1951. O. G. Oct. 9.

Candy. Marshall Field & Company. 549,215, Oct. 9; Serial No. 588,794, published June 12, 1951.

Candy. Price Candy Company. 549,245, Oct. 9; Serial No. 595,851, published July 17, 1951.

Candy. J. Rubin Sons Inc. 549,271, Oct. 9; Serial No. 601,468, published July 3, 1951.

Candy. Svenska Chokladfabriks Aktiebolaget Cloetta. 549,266, Oct. 9; Serial No. 600,626, published June 19, 1951.

Candy. Stephen F. Whitman & Sons, Inc. 549,116, Oct. 9; Serial No. 511,716, published July 19, 1949.

Candy. Stephen F. Whitman & Sons, Inc. 549,146, Oct. 9; Serial No. 567,823, published May 15, 1951.

Canned apple sauce. Sebastopol Apple Growers' Union. 549,270, Oct. 9; Serial No. 601,235, published June 19, 1951.

Canned cherries, gooseberries and apples. Loveland Canning Corporation. 549,120, Oct. 9; Serial No. 522,263, published June 26, 1951.

Canned foods. Seeman Brothers, Inc. 549,127, Oct. 9; Serial No. 545,540, published June 5, 1951.

Canned frozen citrus juices. California Consumers Corporation. 549,126, Oct. 9; Serial No. 545,434, published July 17, 1951.

Canned fruits and fruit preserves. The Kroger Grocery & Baking Co. 285,603, renewed July 28, 1951. O. G. Oct. 9.

Canned fruits, canned vegetables, canned pineapple juice, etc. M. E. Horton, Inc. 549,156, Oct. 9; Serial No. 572,661, published June 19, 1951.

Canned olives. Albers Packing Company. 282,793, May 5, 1931. Republished Oct. 9.

Canned peas, canned strawberries, canned pears, etc. Halferty Corporation. 323,029, Mar. 26, 1935. Republished Oct. 9.

Canned potatoes. Vernon Canning Co. 549,136, Oct. 9; Serial No. 561,275, published June 5, 1951.

Canned tomato paste. West Coast Packing Corporation. 549,197, Oct. 9; Serial No. 585,615, published June 5, 1951.

Canned tomatoes. Schafer Farms. 549,181, Oct. 9; Serial No. 583,494, published June 5, 1951.

Canned vegetables. Big Horn Canning Company. 549,121, Oct. 9; Serial No. 531,191, published June 26, 1951.

Canned vegetables. Morris Siegel. 549,175, Oct. 9; Serial No. 582,245, published Nov. 21, 1950.

Canned vegetables, fruits, fish, etc. Stone-Ordean-Wells Co. 36,833, re-renewed July 30, 1951. O. G. Oct. 9.

Cheese. Kraft Foods Company. 549,200, Oct. 9; Serial No. 586,288, published June 19, 1951.

Cheese food. Purity Cheese Company. 549,165, Oct. 9; Serial No. 579,130, published June 26, 1951.

Chewing gum. American Chicle Company. 289,788, renewed Dec. 8, 1951. O. G. Oct. 9.

Chewing gum. The Shelby Gum Company. 549,332, Oct. 9; Serial No. 518,327.

Chewing-gum and cachous. Sen-Sen Chiclet Company 84,536, re-renewed Dec. 19, 1951. O. G. Oct. 9.

Coffee. The Kroger Grocery & Baking Co. 288,747, renewed Nov. 3, 1951. O. G. Oct. 9.

Confection, Frozen. John M. Bernards & Sons, Inc. 549,212, Oct. 9; Serial No. 588,158, published June 19, 1951.

Cookies. Holland-American Cooky Bakery. 549,141, Oct. 9; Serial No. 563,338, published May 29, 1951.

Corn-oil, Edible. Corn Products Refining Company. 83,639, re-renewed Oct. 3, 1951. O. G. Oct. 9.

Dry mix for making rolls, cake, and biscuits. Lucille B. Smith. 549,280, Oct. 9; Serial No. 602,722, published June 5, 1951.

Feed. M. C. Peters Mill Co. 84,405, re-renewed Dec. 12, 1951. O. G. Oct. 9.

Feeds, Farm. Keystone Feed & Farm Products Corp. 549,201, Oct. 9; Serial No. 586,599, published June 5, 1951.

Flour, Biscuit. General Mills, Inc. 289,319, renewed Nov. 24, 1951. O. G. Oct. 9.

Flour, Wheat. Chickasha Milling Company. 549,122, Oct. 9; Serial No. 535,483, published Mar. 20, 1951.

Flour, Wheat. The Mennel Milling Company. 549,207, Oct. 9; Serial No. 587,344, published June 13, 1950.

Flour, Wheat. The Oklahoma Mill Co. 182,300, Apr. 8, 1924. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 153,022, Mar. 7, 1922. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 159,129, Sept. 19, 1922. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mill. 224,122, Feb. 15, 1927. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 224,665, Mar. 1, 1927. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 228,508, June 7, 1927. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 231,399, Aug. 16, 1927. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 231,507, Aug. 23, 1927. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 395,024, May 5, 1942. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flur Mills. 503,855, Nov. 16, 1948. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 504,058, Nov. 23, 1948. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 508,139, Apr. 5, 1949. New certificate. O. G. Oct. 9.

Flour, Wheat. Texas Star Flour Mills. 533,359, Nov. 14, 1950. New certificate. O. G. Oct. 9.

Flour, Wheat, canned vegetables, and canned pork and beans. The Kroger Grocery & Baking Co. 84,323, re-renewed Nov. 28, 1951. O. G. Oct. 9.

Flour, Wheat, graham flour, rye flour, etc. Texas Star Flour Mills. 231,481, Aug. 23, 1927. New certificate. O. G. Oct. 9.

Food, Dog. Canine Food Company. 289,778, renewed Dec. 8, 1951. O. G. Oct. 9.

Food product, Salted edible. Sheex, Inc. 549,300, Oct. 9; Serial No. 604,707, published July 17, 1951.

Food products, Frozen. Frosted Foods Company, Inc. 285,148, renewed July 14, 1951. O. G. Oct. 9.

Frozen confections on a stick or handle. Bertrand L. York. 549,277, Oct. 9; Serial No. 602,238, published July 17, 1951.

Fruit, Frozen, eggs, mayonnaise, etc. Arctic Dairy Products Company. 549,234, Oct. 9; Serial No. 592,859, published May 8, 1951.

Fruits, Fresh citrus. El Cajon Valley Citrus Association. 549,336, Oct. 9; Serial No. 560,194.

Fruits, Fresh citrus. International Fruit Corporation. 287,887, renewed Oct. 13, 1951. O. G. Oct. 9.

Fruits, Fresh citrus. International Fruit Corporation. 288,239, renewed Oct. 20, 1951, O. G. Oct. 9.

Fruits, Fresh citrus. Mountain View Fruit Association. 549,161, Oct. 9; Serial No. 578,093, published June 19, 1951.

Fruits, Fresh deciduous. Sodus Fruit Exchange. 375,871, Mar. 5, 1940. Republished Oct. 9.
Fruits, Fresh deciduous, fresh grapes, fresh berries. Earl Fruit Company. 287,835, renewed Oct. 13, 1951. O. G. Oct. 9.
Grapes, Fresh. E. A. Couture. 271,909, June 17, 1930. Republished Oct. 9.
Hams, Smoked and cooked, smoked picnics, link and bulk sausage, etc. The Smithfield Packing Company, Inc. 549,134, Oct. 9; Serial No. 558,075, published May 29, 1951.
Honey. D. F. Barnes. 387,707, May 27, 1941. Republished Oct. 9.
Honey, fruit preserves, jams, etc. Airline Foods Corporation. 549,159, Oct. 9; Serial No. 576,378, published May 1, 1951.
Ice cream mixes. Interstate Creamery, Inc. 549,267, Oct. 9; Serial No. 600,891, published June 5, 1951.
Ice cream sundaes. Asselin Creamery Company. 549,283, Oct. 9; Serial No. 603,040, published July 3, 1951.
Jelly base, Soluble powdered. White-Stokes Co., Inc. 549,244, Oct. 9; Serial No. 595,803, published July 3, 1951.
Macaroni food. The Creamette Company. 549,176, Oct. 9; Serial No. 582,895, published July 17, 1951.
Macaroni food. The Creamette Company. 549,177, Oct. 9; Serial No. 582,897, published July 17, 1951.
Meat, Fresh, and smoked and dried chipped beef. The Kroger Grocery & Baking Co. 286,917, renewed Sept. 8, 1951. O. G. Oct. 9.
Meat loaf, cured and smoked ham sausage, etc. The Smithfield Packing Company. 549,135, Oct. 9; Serial No. 558,173, published May 29, 1951.
Meats. Oscar Mayer & Co., Inc. 549,191, Oct. 9; Serial No. 585,177, published June 19, 1951.
Molasses. Boston Molasses Co. 81,498, re-renewed Apr. 18, 1951. O. G. Oct. 9.
Noodles. New Mill Noodle & Macaroni Co., Inc. 549,166, Oct. 9; Serial No. 579,346, published June 12, 1951.
Olive oil, combination of olive oil, peanut oil and corn oil, etc. P. Buffa. 549,195, Oct. 9; Serial No. 585,476, published June 19, 1951.
Peanuts, Raw unshelled. The Suffolk Peanut Company. 549,311, Oct. 9; Serial No. 605,379, published July 17, 1951.
Pickled peppers and relish. Shadowland Food Co., Inc. 549,263, Oct. 9; Serial No. 599,982, published June 5, 1951.
Sausage. Oscar Mayer & Co., Inc. 549,192, Oct. 9; Serial No. 585,178, published June 19, 1951.
Sausage. Swift & Company. 549,128, Oct. 9; Serial No. 546,528, published June 26, 1951.
Sea foods, Frozen. A. N. Quartararo. 549,210, Oct. 9; Serial No. 587,818, published July 17, 1951.
Soybean meal. Central Soya Company, Inc. 549,171, Oct. 9; Serial No. 580,047, published June 26, 1951.
Steaks, Minced gluten. Loma Linda Food Company. 549,338, Oct. 9; Serial No. 564,335.
Syrup, Table. Anheuser-Busch, Inc. 549,180, Oct. 9; Serial No. 583,231, published May 22, 1951.
Tea and coffee. Carter, Macy Company, Inc. 549,114, Oct. 9; Serial No. 510,088, published June 5, 1951.
Toffee. John Mackintosh, Limited. 82,703, re-renewed July 18, 1951. O. G. Oct. 9.
Vegetables, Fresh. Guadalupe Vegetable Farms. 549,275, Oct. 9; Serial No. 602,150, published June 5, 1951.
Vegetarian cutlets. Loma Linda Food Company. 549,339, Oct. 9; Serial No. 564,336.
Water ice or sherbert frozen on a stick. Pennbrook Ice Cream Company. 549,173, Oct. 9; Serial No. 581,438, published July 17, 1951.
Wheat-flour. Texas Star Flour Mills. 77,343, Mar. 29, 1910. New certificate. O. G. Oct. 9.
Wheat-flour. Texas Star Flour Mills. 147,175–6, Oct. 4, 1921. New certificate. O. G. Oct. 9.
Yams, Raw, whole. Dupuis Produce Company. 549,222, Oct. 9; Serial No. 589,961, published May 29, 1951.

CLASS 48

Malt beverages. San Antonio Brewing Association. 315,873, Aug. 14, 1934. Restricted. O. G. Oct. 9.

CLASS 49

Gin. Sir Robert Burnett & Company, Limited. 289,421–2, renewed Nov. 24, 1951. O. G. Oct. 9.

CLASS 51

Cosmetic kits. R. Hudnut. 549,169, Oct. 9; Serial No. 579,420, published June 12, 1951.
Hygienic powder. Takara Laboratories. 288,464, renewed Oct. 27, 1951. O. G. Oct. 9.
Perfume. R. Hudnut. 549,168, Oct. 9; Serial No. 579,418, published June 12, 1951.
Perfumes, toilet waters, colognes, and talcum powder. E. J. Fay. 342,424, Jan. 19, 1937. Republished Oct. 9.
Soap, Shaving, and shaving sticks. Colgate-Palmolive-Peet Company. 289,303, renewed Nov. 24, 1951. O. G. Oct. 9.
Toilet water, perfume, bath oil, etc. G. Thompson. 549,137, Oct. 9; Serial No. 561,351, published June 19, 1951.

CLASS 52

Cleanser, Surgical. Will Ross, Inc. 549,258, Oct. 9; Serial No. 599,264, published July 3, 1951.
Cleansing fluids. Products Packaging, Inc. 549,213, Oct. 9; Serial No. 588,516, published July 3, 1951.
Compositions for use as detergents, Surface active. Monsanto Chemical Company. 549,162, Oct. 9; Serial No. 578,342, published July 3, 1951.
Soap. Armour and Company. 549,174, Oct. 9; Serial No. 581,792, published July 3, 1951.
Soap flakes, granulated soap, and liquid soap. Colgate-Palmolive-Peet Company. 288,846, renewed Nov. 10, 1951. O. G. Oct. 9.
Soap, Toilet. The Omega Chemical Company. 286,828, renewed Sept. 8, 1951. O. G. Oct. 9.

CLASS 100

Serving of foods and beverages in restaurants. Do-Nut Dinette, Inc. 549,357, Oct. 9; Serial No. 575,257.

CLASS 104

Radio program broadcasting. J. P. Ernst. 549,356, Oct. 9; Serial No. 566,304.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Inflico Incorporated, assignee: *See*—
Nordell, Carl H.
Nordell, Carl H., Palm Springs, Calif., assignor to Inflico Incorporated. Traction drive for liquid treating apparatus. Re. 23,415, Oct. 9.

LIST OF PLANT PATENTEES

Cook, Marvin A., Tipp City, Ohio. Pear tree. 1,044, Oct. 9.

LIST OF DESIGN PATENTEES

Acme Products Corporation, assignee: *See*—
Ragsdale, James W.
American Optical Company, assignee: *See*—
Brown, Gordon A.
Artmann, Maylock, New York, N. Y., assignor to C. Schmidt & Sons, Inc., Philadelphia, Pa. Advertising display figure. 164,757, Oct. 9.
Bader, Kenneth W., Los Angeles, Calif. Velocipede. 164,758, Oct. 9.
Bartolucci, Edgar O., Union City, N. J., assignor of one-half to J. J. Waldheim, Chicago, Ill. Electric massager for the human body. 164,759, Oct. 9.
Brown & Bigelow, assignee: *See*—
Woofter, Cecil B.
Brown, Gordon A., Pomfret Center, Conn., assignor to American Optical Company, Southbridge, Mass. Pair of spectacles or the like. 164,760, Oct. 9.
Busbee, Homer A., Ocala, Fla. Gang sawmill machine. 164,761, Oct. 9.
Chriscaden, Alex W.: *See*—
Kendall, George A., and Chriscaden.
Colbert, Jeremiah J., St. Joseph, Mo. Fluid pump. 164,762, Oct. 9.
Consolidated Sewing Machine & Supply Co., Inc., assignee: *See*—
Redlich, Solomon.
Continental Electric Equipment Co., assignee: *See*—
Cottell, John B., and Starbuck.
Cory Corporation, assignee: *See*—
Jones, Charles E., and Crowle.
Cottell, John B., and H. S. Starbuck, Cincinnati, Ohio, assignors to Continental Electric Equipment Co., Ludlow, Ky. Fluorescent tube circuit tester. 164,763, Oct. 9.
Coty, Inc., assignee: *See*—
Despres, Jean.
Crawford, Dale O.: *See*—
Wolfe, Harold J., and Crawford.
Crowle, Robert H.: *See*—
Jones, Charles E., and Crowle.
Debs Hospital Supplies, Inc., assignee: *See*—
Koenig, Anna.
De Marsa, Valeria, Los Angeles, assignor to Triangle Studios, El Monte, Calif. Salt shaker or the like. 164,764, Oct. 9.
Despres, Jean, assignor to Coty, Inc., New York, N. Y. Combined perfume bottle and holder therefor or similar article. 164,765, Oct. 9.
Durgin, Chester R., Quincy, assignor to Mid-Century Company, Leominster, Mass. Cribbage board. 164,766, Oct. 9.
Fleming, Jack F., Yonkers, N. Y., assignor to Sterling Plastics Company, Union, N. J. Canister tray. 164,767, Oct. 9.
Fowler, Martin K., deceased, Westwood, N. J.: T. S. Fowler, administratrix. Smoker's or refreshment stand. 164,768, Oct. 9.
Fowler, Trina S., administratrix: *See*—
Fowler, Martin K.
Godfrey, Henry R., Gardner, Mass. Wallet. 164,769, Oct. 9.
Griswold, Earl O., Atlanta, Ga. Lawn sprinkler. 164,770, Oct. 9.
Gubics, Frank J., Cleveland, Ohio. Combined cigarette, pencil, golf tee, and key holder. 164,771, Oct. 9.
Hahl, Charles W., Pomona, Calif. Air conditioning and circulating unit. 164,772, Oct. 9.
Hammelman, Harry A., Sheboygan, Wis. Animated pull toy. 164,773, Oct. 9.
Hitchcock, William F., Danvers, Mass. Door knocker. 164,774, Oct. 9.
Jacoby-Bender, Inc., assignee: *See*—
Rodrigues, Emil.
Johnson, Gerald C., Bronxville, and A. A. Perelman, Brooklyn, assignors to Lily-Tulip Cup Corporation, New York, N. Y. Telescopic paper cup dispenser. 164,775, Oct. 9.
Jones, Charles E., Chicago, and R. H. Crowle, Berwyn, assignors to Cory Corporation, Chicago, Ill. Combination electric heater and fan casing. 164,776, Oct. 9.
Kelly, William B., Glendale, Calif. Rosary ring. 164,777, Oct. 9.
Kendall, George A., and A. W. Chriscaden, assignors to Wickes Bros., Saginaw, Mich. Roughing and finishing center drive lathe. 164,778, Oct. 9.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Electrical cooking unit. 164,780, Oct. 9.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Base for an electrical cooking unit. 164,781, Oct. 9.
Knapp-Monarch Company, assignee: *See*—
Knapp, Andrew S.
Koenig, Anna, assignor to Debs Hospital Supplies, Inc., Chicago, Ill. Hospital cart. 164,779, Oct. 9.
Librizzi, Joseph J., Bronxville, N. Y. Decorative light bulb or similar article. 164,782, Oct. 9.
Lily-Tulip Cup Corporation, assignee: *See*—
Johnson, Gerald C., and Perelman.
Lion, Leo, New York, N. Y. Personalized wedding anniversary candle. 164,783, Oct. 9.
Lipton, Clara E., New York, N. Y. Dispensing container for soap powder or the like. 164,784, Oct. 9.
Longines-Wittnauer Watch Co., Inc., assignee: *See*—
Warren, Fred.
Lustig, Alex, New York, N. Y. Animated figure trundle toy. 164,785, Oct. 9.
M. K. M. Hosiery Mills, Inc., assignee: *See*—
Sigel, Saul.
MacFadden, Glenn E., Rocky River, Ohio. Light shade. 164,786, Oct 9.
McMahon, Bernard F., Clayton, Mo. Combination wash basin and utility cabinet. 164,787, Oct. 9.
Meierjohan, Ernest, Cincinnati, Ohio. Porch trellis or similar article. 164,788, Oct. 9.
Melville, Joseph, Long Beach, N. Y. Man's shirt or similar article. 164,789, Oct. 9.
Meyerson, Samuel, Brooklyn, N. Y. Expansible bracelet or the like. 164,790, Oct. 9.
Meyerson, Samuel, Brooklyn, N. Y. Expansible link chain for bracelets or the like. 164,791, Oct. 9.
Mid-Century Company, assignee: *See*—
Durgin, Chester R.

Miran, Julius, Bronx, N. Y. Stocking. 164,792, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,793, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,794, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,795, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,796, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,797, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,798, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,799, Oct. 9.
Miran, Julius, Bronx, N. Y. Stocking. 164,800, Oct. 9.
Morris, Nathan K., Avon, N. J. Combined fruit and vegetable knife and orange peeler. 164,801, Oct. 9.
Motor Products Corporation, assignee: *See*—
Walter, John H.
Obrist, Max, Long Island, assignor to Toscony Fabrics Inc., New York, N. Y. Plastic film material. 164,802, Oct. 9.
Pandele, Charles L., Grand Rapids, Mich. Bottle opener. 164,803, Oct. 9.
Pereiman, Albert A.: *See*—
Johnson, Gerald C., and Pereiman.
Permenter, Robert P., Jacksonville, Fla. Food chopping board. 164,804, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,805, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 164,806, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 164,807, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 164,808, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 164,809, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a bracelet or the like. 164,810, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,811, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 164,812, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Link chain for a necklace or the like. 164,813, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,814, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,815, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or the like. 164,816, Oct. 9.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or the like. 164,817, Oct. 9.
Ragsdale, James W., assignor to Acme Products Corporation, St. Joseph, Mo. Electronic insect killer. 164,818, Oct. 9.
Redlich, Solomon, assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Light adapter for sewing machine motors. 164,819, Oct. 9.
Robins, Seymour, New York, N. Y. Three-dimensional decorative greeting card. 164,820, Oct. 9.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 164,821, Oct. 9.
Russell, Irving H., Oak Park, assignor to Sloan Valve Company, Chicago, Ill. Shower head. 164,822, Oct. 9.
Russo, Mario, New Rochelle, N. Y. Television lamp or similar article. 164,823, Oct. 9.
St. Clair, Theodore A., South Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Changeover pressure regulator or similar article. 164,824, Oct. 9.
Schmidt, C., & Sons, Inc., assignee: *See*—
Artmann, Maylock.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 164,825, Oct. 9.
Sigel, Saul, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass. Stocking. 164,826, Oct. 9.
Sloan Valve Company, assignee: *See*—
Russell, Irving H.
Starbuck, Herman S.: *See*—
Cottell, John B., and Starbuck.
Sterling Plastics Company, assignee: *See*—
Fleming, Jack F.
Tall, Murry, New Rochelle, N. Y. Pencil sharpener. 164,827, Oct. 9.
Toscony Fabrics Inc., assignee: *See*—
Obrust, Max.
Triangle Studios, assignee: *See*—
De Marsa, Valeria.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Ungar, Leo, University City, Mo. Cigarette lighter. 164,828, Oct. 9.
Waldheim, John J., assignee: *See*—
Bartolucci, Edgar O.
Walter, John H., Grosse Pointe, assignor to Motor Products Corporation, Detroit, Mich. Refrigerator cabinet. 164,829, Oct. 9.
Warren, Fred, Forest Hills, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Wrist watch case or similar article. 164,830, Oct. 9.
Warren, Fred, Forest Hills, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Wrist watch case or similar article. 164,831, Oct. 9.
Warren, Fred, Forest Hills, assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y. Wrist watch case or similar article. 164,832, Oct. 9.
Weatherhead Company, The, assignee: *See*—
St. Clair, Theodore A.
Wickes Bros., assignee: *See*—
Kendall, George A., and Chriscaden.
Wolfe, Harold J., and D. O. Crawford, Seattle, Wash. Dehumidifier. 164,833, Oct. 9.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Desk calendar support. 164,834, Oct. 9.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Desk calendar support. 164,835, Oct. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. T. S. Company Limited, assignee: *See*—
Fisher, Mark.
Abbott, Edward J., deceased, by S. L. Abbott, executor, assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H. Cutting tow. 2,570,184, Oct. 9.
Abbott, Samuel L., executor: *See*—
Abbott, Edward J.
Abbott Worsted Mills, Incorporated, assignee: *See*—
Abbott, Edward J.
Abel, George G.: *See*—
Swerdlow, Nathan, and Abel.
Abraham, Herbert, assignor to The Ruberoll Co., New York, N. Y. Roofing fastener. 2,570,626, Oct. 9.
Accessory Research Corporation, assignee: *See*—
Anderson, James W., Jr.
Acrotorque Company, The, assignee: *See*—
Orshansky, Elias, Jr.
Acton, Grant M., Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc. Portable cooler. 2,570,300, Oct. 9.
Acton Manufacturing Company, Inc., assignee: *See*—
Acton, Grant M.
Adler, Richard W.: *See*—
Nathan, Jerome, and Adler.
Adsit, Daniel L., Fontana, Calif. Table and chair unit. 2,570,301, Oct. 9.
Advance Aluminum Castings Corp., assignee: *See*—
Grundstrom, Erik G.
Aircraft-Marine Products, Inc., assignee: *See*—
Berg, Quentin.
Air Preheater Corporation, The, assignee: *See*—
Rasmussen, Robert.
Aktiebolaget Elektrolux, assignee: *See*—
Bäckström, Sigurd M.
Eli, Lars J. F.
Albertson, Lawrence E., assignor to The McKays Company, St. Paul, Minn. Water softening system and apparatus. 2,571,000, Oct. 9.
Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Film processing device. 2,570,627, Oct. 9.
Aldrich, Paul H., Urbana, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Alkoxysilane-amine asphalt additive. 2,570,185, Oct. 9.
Alferieff, Michel, Algorta, Guecho, Spain. Coating metallic objects with other metals. 2,570,906, Oct. 9.
Allan, Benjamin W.: *See*—
Eisenberg, Harry, Allan, and Roseman.
Allen, Harold R., Venice, and G. C. Barber, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Multiple clamp. 2,570,419, Oct. 9.
Allewelt, Arthur L., West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del. Fluorinated polyamides. 2,570,180, Oct. 9.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D.
Allied Laboratories, Inc., assignee: *See*—
Bockstahler, Earl R.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Taylor, Philip L.
Almgren, August E., Hillside, N. J., assignor to American Can Company. Machine for opening closure members having crimped flanges. 2,570,186, Oct. 9.
Almquist, Mildred L.: *See*—
Govett, Thomas, and Almquist.
American Can Company, assignee: *See*—
Almgren, August E.
Brager, Leif.
Nordquist, Ronald E. J.
Norquist, Ronald E. J., and Foris.
Nordquist, Ronald E. J., and Huntar.
American Chain & Cable Company, Inc., assignee: *See*—
Dart, Charles W.
American Cyanamid Company, assignee: *See*—
Seeger, Doris R.
Seeger, Doris R., and Cosulich.
American Display Company, The, assignee: *See*—
Dunkelberger, Milton S.
American Machine & Foundry Company, assignee: *See*—
Patterson, Morehead.
American Paper Co., Inc., assignee: *See*—
Grigsby, William M.
American Viscose Corporation, assignee: *See*—
Allewelt, Arthur L.
Hall, James W., Holligan, and Morehead.
MacHenry, Richard.
McDermott, Henry J.
Roberts, Ingham S.
Ammerall, Albert J.: *See*—
Underwood, Garfield J., and Ammerall.
Anaconda Wire and Cable Company, assignee: *See*—
Olson, Emil H.
Saums, Harry L.
Snyder, Clermont J.
Anchor Hocking Glass Corporation, assignee: *See*—
Stover, Harry E.
Anderson, Earl I., Manhasset, N. Y., assignor to Radio Corporation of America. Converter circuits for frequency modulation-amplitude modulation receivers. 2,571,001, Oct. 9.
Anderson, Emil C., Pine City, Minn. Device for straightening milk can covers. 2,570,420, Oct. 9.
Anderson, Ernest H., Jamestown, N. Y. Slat structure for beds and the like. 2,570,743, Oct. 9.
Anderson, Henry, assignee: *See*—
Powell, Walter N.
Anderson, James W., Jr., assignor to Accessory Research Corporation, Detroit, Mich. Rearview mirror support. 2,571,002, Oct. 9.
Anderson, Kador G., Chicago, Ill. Trough for motor vehicle ventilating windows. 2,570,744, Oct. 9.
Anderson, Roy, Harnett County, N. C. Tobacco looper. 2,571,003, Oct. 9.
Anderson, Wilbur C.: *See*—
Riemenschneider, Edmund W., and Anderson.
Anderson, William G., Geneseo, Ill. Machine for grinding chain links and like articles. 2,570,302, Oct. 9.
Andreoli, Gianni, Emmen, Switzerland. Episcopic projector. 2,570,507, Oct. 9.
Anetsberger Brothers, Inc., assignee: *See*—
Anetsberger, Frank A.
Anetsberger, Frank A., Chicago, assignor to Anetsberger Brothers, Inc., Northbrook, Ill. Deep fat frier. 2,570,628, Oct. 9.
Annell, Axel H., Stockholm, Sweden. Light fitting for tubular electric lamps. 2,570,303, Oct. 9.
Anxionnaz, René, assignee: *See*—
Imbert, Roger J.
Anxionnaz, René, and R. J. Imbert, assignors of one-half to said Anxionnaz and one-half to Societe Ratean (Societe Anonyme), Paris, France. Adjustable pipe for the intake of air and expansion of the driving gases in reaction jet propellers for projectiles and vehicles. 2,570,629, Oct. 9.
Aram, Nathan W., Park Ridge, Ill., assignor to Zenith Radio Corporation. Subscriber signaling system. 2,570,187, Oct. 9.
Aram, Nathan W., Park Ridge, and J. E. Brown, Glencoe, Ill., assignors to Zenith Radio Corporation. Subscription signaling system. 2,570,188, Oct. 9.
Arant, Perry, assignor to Clayton Manufacturing Company, Alhambra, Calif. Heating coil. 2,570,630, Oct. 9.
Arenberg, Albert L., Highland Park, and E. C. Zimmerman, Winnetka, assignors to Patent License Corporation, Chicago, Ill. Car lighting structure. 2,570,907, Oct. 9.
Armco Steel Corporation, assignee: *See*—
Bain, Fillmore F., and Broun.
Arnold, John T., Camden, Ark. Fluid measuring and dispensing device. 2,570,745, Oct. 9.
Aro Equipment Corporation, The, assignee: *See*—
Hill, Leo D.
Arrasmith, Lois V., Spokane, Wash. Infant harness. 2,570,631, Oct. 9.
Autopoint Company, assignee: *See*—
Seibert, Ernest H.
Babcock & Wilcox Tube Company, The, assignee: *See*—
Harter, Isaac, Jr., and Ratcliffe.
Bablik, Heinz, assignor to B. V. B. Bablik, Vienna, Austria. Galvanizing apparatus. 2,570,746, Oct. 9.
Bach, Niels B., New York, N. Y., assignor to The Mirrlees Watson Company Limited, Glasgow, Scotland. Removing suspended solids from liquids. 2,570,304, Oct. 9.
Bäckström, Sigurd M., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Heating means, including a heat transfer system. 2,570,189, Oct. 9.
Bacon, Ralph E. W., Manhattan Beach, Calif. Feeder for rabbits and poultry. 2,571,004, Oct. 9.

Badger, George M., Jr.: *See*—
Pettefer, Robert L., and Badger.

Badger Wire & Iron Works, Inc., assignee: *See*—
Hornik, Joseph, Sr.

Bagley, Glen D.: *See*—
Bohnet, William J., and Bagley.

Bailey, James, Bridgeport, Conn., assignor to General Electric Company. Rotary shelf cabinet. 2,570,747, Oct. 9.

Bain, Fillmore F., and O. Broun, Baltimore, Md., assignors by mesne assignments, to Armco Steel Corporation. Wire drawing apparatus. 2,570,748, Oct. 9.

Baker, Arthur D.: *See*—
Hugo, Lester A., and Baker.

Baldwin, John D., Jr., South Euclid, and C. H. Crawley, Euclid, assignors to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,570,421, Oct. 9.

Balkema, Bertrand B., Newport, assignor to Travelers Equipment Co., Grand Rapids, Mich. Grille unit and carrying case for portable stoves. 2,570,508, Oct. 9.

Ballard, Edward D., Orlando, Fla. Fog-producing attachment for fire-fighting nozzles. 2,570,190, Oct. 9.

Bandli, John C., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn. Outboard motor underwater exhaust valve. 2,570,509, Oct. 9.

Bantam-Lite, Inc., assignee: *See*—
Nathan, Jerome, and Adler.

Barber, Cecil B., Sydney, New South Wales, Australia. Pulsator for milking machines. 2,570,749, Oct. 9.

Barber, George C.: *See*—
Allen, Harold R., and Barber.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric wave transmission. 2,570,305, Oct. 9.

Barrett, Robert W.: *See*—
Otto, Ferdinand P., Reiff, and Barrett.

Barrett, W. Thomas, assignee: *See*—
Rychwalski, Vernon W.

Barton, Bernard C., Clifton, N. J., assignor to United States Rubber Company, New York, N. Y. Improving the cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. 2,570,632, Oct. 9.

Barton, Lay E., Princeton, N. J., assignor to Radio Corporation of America. Intermediate frequency transformer. 2,570,633, Oct. 9.

Bartschy, Charles A., Kelso, Wash. Pedestal supported rotary table top center section. 2,570,634, Oct. 9.

Bashore, Homer H., Chicago, assignor to E. N. Saad, L. Demaree, and S. J. Saad, doing business under the firm name of Sonette Company, Oak Park, Ill. Condiment dispenser having a resiliently depressable plunger for controlling the rate of flow. 2,570,422, Oct. 9.

Batchelder, George W., and O. J. Bronn, Milwaukee County, assignors to The F. G. Findley Co., Milwaukee, Wis. Apparatus for pelleting solids. 2,570,423, Oct. 9.

Battersby, James E., Summerstown, assignor to Masson Scott & Company Limited, London, England. Apparatus for counting and marking sheets cut from webs. 2,570,304, Oct. 9.

Bauer, Jackson, Newportville, Pa., assignor to Fred Whitaker Company. Brushening of wool. 2,570,750, Oct. 9.

Bausch Machine Tool Company, assignee: *See*—
Phillips, Harry F.

Beckwith, Raymond A., assignor to Koehring Company, Milwaukee, Wis. Detachable driving axle unit. 2,570,191, Oct. 9.

Beckwith, Wendell K., Whitewater, assignor to Koehring Company, Milwaukee, Wis. Power transmission. 2,570,192, Oct. 9.

Beeth, Clarence D., Houston, Tex., assignor to Continental Oil Company, Ponca City, Okla. Automatic chuck for pulldown devices. 2,570,308, Oct. 9.

Behr, Leo J., Bridgeport, Conn. Indicator to be worn on the hands while learning to typewrite. 2,570,908, Oct. 9.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Barney, Harold L.
Bishop, Walter M.
Felker, Jean H.
Goff, Harold W.
Myers, Oscar.
Pfann, William G.
Watson, Edward F.

Bell, William C., London, and R. H. H. Press, Greenford, England, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner with pneumatic filter cleaning means. 2,570,307, Oct. 9.

Benander, George B., Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company. Lamp socket. 2,570,751, Oct. 9.

Bendix Aviation Corporation, assignee: *See*—
Digby, James J.
Murphy, Norman B.

Bendix-Westinghouse Automotive Air Brake Company, assignee: *See*—
Shumaker, John F.

Benjamin, Harry S., Detroit, and H. R. De Harte, assignors to The Leading Engine Company, Farmington, Mich. Internal-combustion engine piston lubrication. 2,570,424, Oct. 9.

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin. Floating toolholder. 2,570,752, Oct. 9.

Benson, George A., West Englewood, N. J., J. Coyle, and W. F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y. Container valve fitting. 2,570,909, Oct. 9.

Berck, William F., Hayward, assignor to Ralph N. Brodle Company, Oakland, Calif. Adjustable gearing. 2,571,005, Oct. 9.

Berg, Quentin, New Cumberland, assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa. Spade connector convertible to ring connector. 2,570,753, Oct. 9.

Berry, Robert I., Chicago, assignor of one-half to Jewel Tea Co., Inc., Barrington, Ill. Lighting fixture for elongated tubular lamps. 2,570,910, Oct. 9.

Beyer, Oscar F., Jr., Grand Haven, Mich. Nozzle for faucets. 2,570,635, Oct. 9.

Biddle, William M., St. Louis, Mo., assignor to Vulcan Corporation, Cincinnati, Ohio. Width grading shoe lasts. 2,570,510, Oct. 9.

Bieber, Clarence G., and W. F. Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. High-temperature alloys and articles. 2,570,193, Oct. 9.

Bieber, Clarence G., and W. F. Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Production of high-temperature alloys and articles. 2,570,194, Oct. 9.

Biery, John E., Jersey City, N. J. Armor block construction. 2,571,006, Oct. 9.

Biggert, Florence C., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Relief valve. 2,571,007, Oct. 9.

Bird, Warren N., and A. J. Comstock, Mountain Home, Idaho. Portable sheet material cutter. 2,570,195, Oct. 9.

Birdiebough, Otis T., Naches, Wash. Boat top. 2,570,911, Oct. 9.

Bishop, Walter M., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Locating nonlinearities in inaccessible cables. 2,570,912, Oct. 9.

Black, Lloyd V., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Method and apparatus for bending glass. 2,570,309, Oct. 9.

Blair, Robert E., Wenatchee, Wash. Apparatus for distributing insecticides or pollen. 2,570,511, Oct. 9.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of dialkyl hydrogen phosphites. 2,570,512, Oct. 9.

Bloch, Herman S., assignor to Universal Oil Products Company, Chicago, Ill. Modified phenolic resins. 2,570,513, Oct. 9.

Bloom, Arthur: *See*—
Kornberg, Irving, and Bloom.

Bloom, Edward S.: *See*—
Grigsby, William E., and Bloom.

Bocciarelli, Carlo V., assignor to Philco Corporation, Philadelphia, Pa. Deflection yoke. 2,570,425, Oct. 9.

Bock, George E.: *See*—
Metcalf, Irving R., and Bock.

Bockstahler, Earl R., Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo. Diethylaminoethyl alkoxybenzilates. 2,570,181, Oct. 9.

Boeing Airplane Company, assignee: *See*—
Kirkbride, John F., and Whitener.

Boekeloo, Merrill E., San Gabriel, Calif. Marking device and inker therefor. 2,571,008, Oct. 9.

Bogen, Einar I., Hyde Park, Mass. Shield for rotary mixers. 2,570,310, Oct. 9.

Bohnet, William J., New York, and G. D. Bagley, Lewiston, N. Y., assignors to Union Carbide and Carbon Corporation. Electric induction furnace. 2,570,311, Oct. 9.

Bohnert, John I., Washington, D. C., and A. S. Dunbar, Morningside, Md. Dual purpose antenna. 2,570,197, Oct. 9.

Boling, Ronald W., Hendersonville, assignor of one-half to R. W. Lindsay, Enka, N. C. Timing device. 2,570,754, Oct. 9.

Bolling, Sidney R., Chicago, Ill. Sorting case. 2,570,636, Oct. 9.

Boltuch, Leon, Bronx, N. Y. Lampholder for elongated tubular lamps. 2,570,514, Oct. 9.

Bond, John N., Clay County, assignor to Superior Weatherproof Corporation, Kansas City, Mo. Window sash control and weather strip. 2,570,312, Oct. 9.

Bonham, Walter R., Palo Alto, Calif. Jamming roller clutch. 2,570,515, Oct. 9.

Booth, John L., West Palm Beach, assignor to J. G. Glynn, Coral Gables, Fla. Tooth paste dispenser. 2,570,755, Oct. 9.

Borden Company, The, assignee: *See*—
Kinney, Walter B.

Borg-Warner Corporation, assignee: *See*—
Carnagua, Harold E., and Kelbel.
Turner, Harold H.

Boss, Edward J., assignee: *See*—
Kahn, Joseph N.

Bourgonjon, Louis R., A. Horowitz, D. Kleis, F. C. W. Slooff, M. van Tol, and J. M. Unk, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Receiving device for the transmission of pictures. 2,570,313, Oct. 9.

Bower, James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Stamping machine. 2,570,756, Oct. 9.

Bowman, Reginald G., Gary, and W. J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company. Handling bagged materials. 2,570,757, Oct. 9.

Bowman, Wade W., Dallas, Tex. Bottle vending machine. 2,570,516, Oct. 9.

Braden, Rene A., Lawrence Township, Mercer County, N. J., assignor to Radio Corporation of America. Automatic frequency control. 2,570,758, Oct. 9.

Brager, Leif, Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container transfer mechanism. 2,570,198, Oct. 9.

Bramhall, George H., Cleveland, Ohio, assignor to General Electric Company. Vacuum cleaner nozzle with retractable floating brush. 2,570,759, Oct. 9.

Brand, Eve, New York, N. Y. Compact. 2,570,314, Oct. 9.

Breese, John M.: *See*—
Weaver, William R., and Breese.

Brewer, Richard D., assignor to Ford Motor Company, Dearborn, Mich. Magnetic operated switch. 2,570,315, Oct. 9.

Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.

Brock, Lynmar, Philadelphia, Pa. Oven door construction. 2,570,517, Oct. 9.

Brodle, Ralph N., Company, assignee: *See*—
Berck, William F.

Bronn, Oliver J.: *See*—
Batchelder, George W., and Bronn.

Broun, Olney: *See*—
Bain, Fillmore F., and Brown.

Brown, Allan R., Oak Park, Ill., assignor to General Electric Company. Control of X-ray generators. 2,571,009, Oct. 9.

Brown, James R., Houston, Tex. Venetian blind. 2,570,199, Oct. 9.

Brown, Jesse E.: *See*—
Aram, Nathan W., and Brown.

Brown, Leslie R.: *See*—
Ridler, Desmond S., and Brown.

Brown, Merle M., Princeton, assignor, by mesne assignments, to Marvel Specialty Company, Incorporated, Paducah, Ky. Method of and apparatus for mending hosiery. 2,570,637, Oct. 9.

Brown, Meyer M., New York, N. Y. Toy film viewer. 2,570,913, Oct. 9.

Brown, Vincent P., Williamsport, Pa. Shade roller winder. 2,570,638, Oct. 9.

Bruner, Walter M., and F. K. Watson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N-cyanomethylmorpholine. 2,570,760, Oct. 9.

Bruson, Herman A., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Wet extrusion of acrylonitrile polymers. 2,570,200, Oct. 9.

Bruson, Herman A., Shaker Heights, and G. S. Hooper, Bay Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Acrylonitrile polymer spinning. 2,570,201, Oct. 9.

Bryan, Ernest A., Bexley, assignor to Siemens Brothers & Company Limited, London, England. Oscillating step motor. 2,570,518, Oct. 9.

Bryant Chucking Grinder Company, assignee: *See*—
Demuth, Galan W.

Buck, Clarence N., Chicago, Ill. Nail puller. 2,570,914, Oct. 9.

Buck, Clarence N., Mount Prospect, Ill. Nail puller. 2,570,915, Oct. 9.

Buffalo Brake Beam Company, assignee: *See*—
Busch, Charles R.

Bunnell, Raymond H.: *See*—
Hatcher, David B., and Bunnell.

Burgess, Henry D., Burlingame, Calif. Window sash. 2,570,519, Oct. 9.

Burks, William H., Jr., Lynwood, Calif. Captive aircraft control. 2,570,316, Oct. 9.

Burls, John A. E., Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y. Apparatus for applying dust covers or jackets to books. 2,570,916, Oct. 9.

Busch, Charles R., Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y. Railway car brake beam. 2,570,202, Oct. 9.

Busch, Frank B., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Nursing bottle. 2,571,010, Oct. 9.

Bushnell, William M., Chicago, Ill. Toe nailed assembly and fitting therefor. 2,570,520, Oct. 9.

Busignies, Henri G., Forest Hills, assignor to International Standard Electric Corporation, New York, N. Y. Distance finding system with means to eliminate selected indications. 2,570,203, Oct. 9.

Bussiere, George, and E. C. Holton, Los Angeles, Calif., assignors to North American Aviation, Inc. Aircraft gun turret. 2,570,761, Oct. 9.

Busson, Ambrose L., assignor to Vickers Incorporated, Detroit, Mich. Flow-regulating valve. 2,570,317, Oct. 9.

Butterworth, Harry W., Jr., Philadelphia, Pa., S. and M. Cohn, New York, and J. G. Walter, Ridgewood, assignors to Samcoe Holding Corporation, New York, N. Y. Apparatus for drying fabric. 2,570,318, Oct. 9.

Cahan, Amos, New York, N. Y. Container for blood. 2,570,639, Oct. 9.

Calfee, John D., Manhasset, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Fumigation with 1,1-difluoroethylfluosulfonates. 2,570,917, Oct. 9.

California Fruit Growers Exchange, assignee: *See*—
Hull, Robert R.

Caliri, Joseph L., Orange, N. J., assignor, by mesne assignments, to Caliri Manufacturing Co., Inc., Lawrence, Mass. Soldering gun. 2,570,762, Oct. 9.

Caliri Manufacturing Co., Inc., assignee: *See*—
Caliri, Joseph L.

Camp, Samuel C.: *See*—
Stevens, Donald R., and Camp.

Campanile, Dominic: *See*—
Dodge, John S., and Campanile.

Campbell, Erwin A.: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.

Campbell, George E., Sr., McKeesport, Pa. Collapsible tube holder and dispenser wherein a ratcheting mechanism winds the tube on a drum. 2,570,204, Oct. 9.

Campbell, Robert T., assignor to the North Electric Manufacturing Company, Galion, Ohio. Dial-back trunking syatem for telephone exchanges. 2,570,763, Oct. 9.

Candlin, James E., Jr.: *See*—
Murphy, Frank L., and Candlin.

Cannon, Clarence A., Johnston, S. C. Attachment for multiple shuttle looms for preventing fouling of the filling threads. 2,570,764, Oct. 9.

Caprio, Amerigo F.: *See*—
Van Gorder, Norman, Horback, and Caprio.

Carlson, Carl S., Elizabeth, and P. V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Extractive distillation of alcohols with sulfolane. 2,570,205, Oct. 9.

Carmo, John J., Arlington, Mass. Poultry feeder. 2,570,640, Oct. 9.

Carnagua, Harold E., and D. W. Kelbel, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Spreading fluid clutch. 2,570,641, Oct. 9.

Carper, Earl W., Parkersburg, assignor of one-half to L. Gotlieb, Clarksburg, W. Va. Hair curler. 2,570,206, Oct. 9.

Carr, Harry L.: *See*—
Speck, C. Harold, Carr, and Yoder.

Carter, John H.: *See*—
Haun, Joye C.

Cassady, Joe, Iaeger, W. Va. Low-height tractor for hauling mine cars. 2,570,319, Oct. 9.

Cassidy, William W., Englewood, Colo. Pouring attachment for paint cans. 2,570,426, Oct. 9.

Caterpillar Tractor Co., assignee: *See*—
Johnson, Lloyd E.

Celanese Corporation of America, assignee: *See*—
Dice, Henry K.
Dice, Henry K., and Mitchell.
Roughsedge, Robert H., and Lustig.
Van Gorder, Norman, Horback, and Caprio.

Century Electric Company, assignee: *See*—
Wolff, Samuel S.

Cerf, Robert C., Jr., assignor to Hollymade Hardware Manufacturing Company, Los Angeles, Calif. Fitting tumbler pins. 2,570,765, Oct. 9.

Chance, A. B., Company, assignee: *See*—
Cole, Elmer K.

Chapman, George E., Saddle River Township, Bergen County, assignor to Smith-Chapman, Inc., Irvington, N. J. Device for positioning and immobilizing infants to be X-rayed. 2,571,011, Oct. 9.

Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Synchronizing arrangement for multiplex electrical pulse communication system. 2,570,207, Oct. 9.

Chenault, Roy L., Seneca, Pa., assignor of twenty-five per cent to C. A. Wygal and twenty-five per cent to D. C. Wygal, Washington, D. C. Electromechanical toy. 2,570,766, Oct. 9.

Cherymisin, Gerald L., Alta Loma, Calif. Slide rule pencil. 2,570,642, Oct. 9.

Chester, Frank R., Santa Monica, Calif. Measuring device for tea, coffee, and the like. 2,570,521, Oct. 9.

Childers, John G., Spokane, Wash. Door control mechanism. 2,570,643, Oct. 9.

Chillson, Charles W., Caldwell, and J. M. Mergen, Verona, N. J., assignors to Curtiss-Wright Corporation. Rotary seal. 2,570,427, Oct. 9.

Chodziesner, Georg F., Bondi, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia. Selectively collecting and/or distributing articles. 2,570,918, Oct. 9.

Christensen, Byron C., Oklahoma City, Okla. Combination traveling block and swivel connection. 2,570,320, Oct. 9.

Christensen, William E., Auburn, W. B. Smith, and J. J. Sandy, assignors to James Smith & Son, Inc., Worcester, Mass. Wool combing machine. 2,570,767, Oct. 9.

Christoffer, Donald F., Spirit Lake, Iowa. Scale for tightening corn planter wires. 2,570,321, Oct. 9.

Christopher, Emanuel H., Bowie, Tex. Flow metering device. 2,570,322, Oct. 9.

Christopherson, Clarence E., Inglewood, Calif., assignor, by mesne assignments, to Jack and Heints Precision Industries, Inc., Cleveland, Ohio. Container assembly. 2,570,644, Oct. 9.

Church, Jack A., Corona Del Mar, Calif. Instrument board for motor vehicles. 2,570,645, Oct. 9.

Church, James M.: *See*—
Johnson, Ernest W., and Church.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Miescher, Karl, and Heer.

Clar, Eric, Glasgow, Scotland, assignor to Petrocarbon Limited, London, England. New pyrene condensation products and their manufacture. 2,570,522, Oct. 9.

Clark, Trevor H., Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y. Electronic switch. 2,570,208, Oct. 9.

Clarke, William W.: *See*—
Zademach, Erich R., and Clarke.

Clayton Manufacturing Company, assignee: *See*—
Arant, Perry.

Clerk, Edouard, Saint Hilaire, Quebec, Canada. Window. 2,570,523, Oct. 9.

Clerk, Robert C., Richmond, England. Rotary turbine-type hydrokinetic coupling. 2,570,768, Oct. 9.

Clifford, Cecil F., Bath, England. Magnetic escapement counting and like mechanism. 2,571,085, Oct. 9.

Clifford, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Notching and embossing punch and die. 2,570,919, Oct. 9.

Clifford, Theodore A., Chicago, Ill. Garment. 2,570,428, Oct. 9.

Clough, Charles A., Massillon, R. T. Trier, North Canton, and R. D. Murphy, assignors to The Superior Switchboard & Devices Company, Canton, Ohio. Parking meter coin discharge guiding construction. 2,570,920, Oct. 9.

Clough, Minnie, Kansas City, Mo. Pie and cake pan. 2,570,524, Oct. 9.

Coats, William F., assignor of one-half to H. S. McCoy, Tulsa, Okla. Hose reel. 2,571,012, Oct. 9.

Cobean, Richard W., West Allis, Wis., and H. J. Holmquest, Oak Park, Ill., assignors to General Electric Company. Protection system. 2,571,013, Oct. 9.

Coggeshall, Thellwell R., Bala Cynwyd, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,570,769, Oct. 9.

Cogliandro, Mimita A.: *See*—
Pullon, Russel C.

Cohn, Mortimer: *See*—
Butterworth, Harry W., Jr., S. and M. Cohn, and Walter.

Cohn, Samuel: *See*—
Butterworth, Harry W., Jr., S. and M. Cohn, and Walter.

Colburn, Allan P., Newark, Del., and B. F. Dodge, Hamden, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Purification of a confined atmosphere by a process of refrigeration. 2,571,014, Oct. 9.

Cole, Elmer K., assignor to A. B. Chance Company, Centralia, Mo. Earth anchor. 2,570,646, Oct. 9.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Electronic heating of materials. 2,570,921, Oct. 9.

Collison, William J., Bakersfield, Calif. Dual tap T for bathtubs set back to back. 2,570,525, Oct. 9.

Columbia Ribbon and Carbon Manufacturing Company, Inc., assignee: *See*—
Newman, Douglas A.

Columbus, John C., Ferguson, Mo. Coffee maker. 2,571,015 Oct. 9.

Combee, Bart, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. X-ray tube having a rotary anode. 2,570,770 Oct. 9.

Communication Engineering Pty. Limited, assignee: *See*—
Chodsiewer, Georg F.

Comstock, Andrew J.: *See*—
Bird, Warren N., and Comstock.

Condon, John C., and O. Felix, assignors to Sears, Roebuck and Co., Chicago, Ill. Loose-leaf binder construction. 2,570,323, Oct. 9.

Cone, Ralph R., assignor to Riverside Mills, Augusta, Ga. Textile. 2,570,526, Oct. 9.

Conn, C. G., Ltd., assignee: *See*—
Loney, Hugh W.

Conron, John J., Middleboro, Mass. Baffle structure for combustion tube type burners. 2,570,771, Oct. 9.

Continental Can Company, Inc., assignee: *See*—
Benson, George A., Coyle, and Punte.
Dodge, Thomas C.
Furmleger, William.
Kronqueat, Alfred L.

Continental Oil Company, assignee: *See*—
Beeth, Clarence D.

Cooksey, Warren B.: *See*—
Puschelberg, George C., and Cooksey.

Cooper, Allyn R., assignor of one-half to H. M. Cooper, Marshalltown, Iowa. Gas engine throttle control. 2,570,423, Oct. 9.

Cooper, Harold M., assignee: *See*—
Cooper, Allyn R.

Cormier, Gerard A., assignor to Jones & Lamson Machine Company, Springfield, Vt. Power cylinder and piston with leakage control. 2,570,647, Oct. 9.

Cosulich, Donna B.: *See*—
Seeger, Doris R., and Cosulich.

Cotsworth, Albert III, Oak Park, Ill., assignor to Zenith Radio Corporation. Television program metering system. 2,570,209, Oct. 9.

Coulthard, William, & Company Limited, assignee: *See*—
Gash, Frederick.

Coyle, John: *See*—
Benson, George A., Coyle, and Punte.

Coyner, James M., Madison, Wis. Live stock car shutter structure. 2,570,324, Oct. 9.

Cramer, Clarence L., Elmhurst, Ill. Tool for hanging doors. 2,570,430, Oct. 9.

Crane Packing Company, assignee: *See*—
Hastings, Shirrel A.

Crawford, Ernest A., Cliffside Park, assignor to Sperry Products, Inc., Hoboken, N. J. Track recorder. 2,570,648, Oct. 9.

Crawley, Charles H.: *See*—
Baldwin, John D., Jr., and Crawley.

Crittendon, Lexie R., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Recoil operated firearm with pivoted bolt lock. 2,570,772, Oct. 9.

Cromma Company, The, assignee: *See*—
Stellinger, Mogens F.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Radio receiving system. 2,570,431, Oct. 9.

Crosley Broadcasting Corporation, assignee: *See*—
Rockwell, Ronald J.

Cross, Joseph A., assignor to Mojonnier Bros. Co., Inc., Chicago, Ill. Evaporation method and apparatus. 2,570,210, Oct. 9.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill. Falling film evaporator. 2,570,211, Oct. 9.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill. Milk evaporation process. 2,570,212, Oct. 9.

Cross, Joseph A., Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill. Milk evaporation process and apparatus. 2,570,213, Oct. 9.

Crown Cork Specialty Corporation, assignee: *See*—
Hasenfield, Daryold M.

Cunder, Joseph: *See*—
Southern, John A., Roth, Licata, and Cunder.

Curran, Fred J.: *See*—
Wild, Rudolf F., and Curran.

Curtiss-Wright Corporation, assignee: *See*—
Chillson, Charles W., and Mergen.
Erny, Frank.
Nix, John P.
Willis, Addison O.

Cuthill, Annandale, assignee: *See*—
McBroom, James C.

Cutler, Royal A.: *See*—
Surrey, Alexander R., and Cutler.

Dahl, Arthur L., Vancouver, British Columbia, Canada. Belt loosening and tightening device. 2,570,527, Oct. 9.

Dale, Alan E.: *See*—
Stanworth, John E., and Dale.

Dalton, Lester F., Torrance, Calif. Centrifugal casting machine. 2,570,325, Oct. 9.

Daly, Lawrence E., Mishawaka, and R. W. Pooley, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y. Making cellular material. 2,570,182, Oct. 9.

Dankert, Lester J., Midland, and D. A. Permoda, Bay City, assignors to The Dow Chemical Company, Midland, Mich. Production of dicyclohexylamine. 2,571,016, Oct. 9.

Dart, Charles W., York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Antiskid device. 2,570,922, Oct. 9.

Daven Company, The, assignee: *See*—
Lutsky, Arthur A., and Walker.
Newman, Lewis.

Davidoff, Charles, New York, assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y. Composite wire for spraying a nondrawable metal. 2,570,649, Oct. 9.

Davis, Casper A., Warren, Ohio. Trailer boat construction. 2,570,528, Oct. 9.

Davis, Charles C., West Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Film tensioning apparatus. 2,570,773, Oct. 9.

Davis, Frank P. C., Kelso, Wash. Insufflator. 2,570,774, Oct. 9.

Davis, Norman E., Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. High-frequency wide band coupling transformer. 2,570,650, Oct. 9.

Dawson, Leslie H.: *See*—
Rust, Noël M., and Dawson.

Dayton Rubber Company, The, assignee: *See*—
Freedlander, Abraham L.
McKinley, James G.

Dasey Corporation, assignee: *See*—
Kublin, Fred W.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Second test circuit for selector wipers. 2,570,214, Oct. 9.

De Angelis, Joseph B., Trenton, N. J. Fastening device for sheet material. 2,570,326, Oct. 9.

De Baun, James R., Greenvale, N. Y., assignor to Radio Corporation of America. Electrical timing comparator circuit. 2,570,775, Oct. 9.

De Harte, Hallison R.: *See*—
Benjamin, Harry S., and De Harte.

Dehmel, Richard C., Short Hills, N. Y. Shaft coupling. 2,570,776, Oct. 9.

De Luca, Daniel: *See*—
Umsted, Carleton G., and De Luca.

Demanes, Louis, assignee: *See*—
Bashore, Homer H.

Dempsey, John L., Atlantic City, and R. W. Sonnenfeldt, Camden, N. J., assignors to Radio Corporation of America. Electronic switch. 2,571,017, Oct. 9.

Demuth, Galan W., Moorestown, N. J., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Thyratron power inverter. 2,570,651, Oct. 9.

Dessauer, Walter L., New York, N. Y. Readily adjustable garment. 2,570,777, Oct. 9.

De Vane, Augustus H., Hot Springs, Ark. Advertising dummy. 2,570,778, Oct. 9.

Devoe & Raynolds Company, Inc., assignee: *See*—
Madison, Ralph E., and Fairbrother.

Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.

Dice, Henry K., Corpus Christi, Tex., assignor to Celanese Corporation of America. Production of formaldehyde from oxidation of butane. 2,570,215, Oct. 9.

Dice, Henry K., and R. L. Mitchell, Corpus Christi, Tex., assignors to Celanese Corporation of America. Treatment of oxidation products. 2,570,216, Oct. 9.

Dice, Henry K., and R. L. Mitchell, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y. Concentration process. 2,570,217, Oct. 9.

Digby, James J., Elmira, N. Y., assignor to Bendix Aviation Corporation. Engine starter gearing. 2,571,018, Oct. 9.

Dilks, James J., Haddon Heights, N. J. Picture disk viewing projector. 2,570,652, Oct. 9.

Dillard, Guy C., Fort Worth, Tex. Aerial camera carriage. 2,570,653, Oct. 9.

Dillon, Wendell M., North Andover, assignor to Watts Regulator Company, Lawrence, Mass. Pressure and temperature relief valve. 2,570,432, Oct. 9.

Dills, William L.: *See*—
Lane, Frank W., and Dills.

Dodge, Adiel Y., Rockford, Ill. Transmission. 2,570,327, Oct. 9.

Dodge, Barnett F.: *See*—
Colburn, Allan P., and Dodge.

Dodge, Howard M., Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Injection molding machine. 2,570,433, Oct. 9.

Dodge, John S., and D. Campanile, assignors to Lowell Wrench Company, Worcester, Mass. Reversible ratchet wrench. 2,570,779, Oct. 9.

Dodge, Thomas C., Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Distributor for gravity runways. 2,570,923, Oct. 9.

Dodin, Lucien J. E. A., Canet-Plage, France. Stereoscopic motion-picture system. 2,570,654, Oct. 9.

Dolan, Joseph A., Oakland, Calif. Washing machine. 2,570,529, Oct. 9.

Dole Refrigerating Company, assignee: *See*—
Kleist, Herman W.

Domitrovic, William, Canonsburg, Pa. Farm wagon with continuous conveyer. 2,570,530, Oct. 9.

Donaldson, George R.: *See*—
Gerald, Curtis F., and Donaldson.

Donley, Hugh L., and C. Wentworth, Princeton, N. J., assignors to Radio Corporation of America. Electrical coupling system for magnetostrictive elements. 2,571,019, Oct. 9.

Dormeyer Corporation, assignee: *See*—
Masheris, Fred A.

Douglas Aircraft Company, Inc., assignee: *See*—
Allen, Harold R., and Barber.

Dow, Arthur L., Easton, and A. J. Nelson, Stratford, assignors to United Aircraft Corporation, East Hartford, Conn. Canopy actuating mechanism. 2,570,434, Oct. 9.

Dow Chemical Company, The, assignee: *See*—
Dankert, Lester J., and Permoda.
Ponts, Donald F.
Robinson, Harold A., and Humble.
Surine, William R.

Dow Corning Corporation, assignee: *See*—
Goodwin, John T.
Hyde, James F.

Downing, Frederick B., Carney's Point, N. J., and J. B. Roberts, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission. Catalytic vapor phase fluorination apparatus. 2,570,435, Oct. 9.

Draganjac, Michael J., Allegheny County, Pa. Remote-indicating fuel gauge. 2,570,218, Oct. 9.

Drake, Robert M., Jr., Albany, Calif. Interferometer device having a permanently positioned interference pattern viewing screen. 2,570,219, Oct. 9.

Dritz, John & Sons, assignee: *See*—
Dritz, Lawrence L.

Dritz, Lawrence L., Lawrence, assignor to John Dritz & Sons, New York, N. Y. Dress pattern marker. 2,570,328, Oct. 9.

Druge, Daniel O., Oakland, Calif. Pressure gauge and relief valve. 2,570,655, Oct. 9.

Drury, John J., Troy, Ohio. Magnetically operated motor. 2,570,531, Oct. 9.

Dubbs, Arthur C.: *See*—
Stevens, Donald R., and Dubbs.

Duckett, Gerald C., North Harrow, and A. H. Willoughby, Garston, Watford, assignors to General Electric Company, Limited, London, England. Circuit for operating electric discharge lamps. 2,570,780, Oct. 9.

Duerr, Carl F., Jr., Gates Mills, assignor, by mesne assignments, of 30/100 to R. R. Roemer, 35/100 to L. E. Roemer, 25/100 to W. R. Kiefer, and 10/100 to J. E. Tompkins, Cleveland, Ohio. Apparatus for testing electrically actuated indicating instruments. 2,570,781, Oct. 9.

Dumas, Edward C., assignee: *See*—
Pringle, Edward R.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Mulligan, James R., Jr., and Talamini.

Dunbar, Allen S.: *See*—
Bohnert, John I., and Dunbar.

Dunkelberger, Milton S., assignor to The American Display Company, Dayton, Ohio. Trouble light with tripod-forming support. 2,570,329, Oct. 9.

Dunlop Tire and Rubber Corporation, assignee: *See*—
Lord, Wilfrid.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Bruner, Walter M., and Watson.
Ernsberger, Maurice L., and Lipscomb.
Gresham, William F.
Gresham, William F., and Webb.
Grigsby, William E., and Bloom.
Lane, Frank W., and Dills.
Lipscomb, Robert D.
Pitzl, Gilbert.
Pratt, Burt C., and Salzberg.
Roedel, Milton J.
Scott, Norman D.
Signaigo, Frank K.
Stiles, Alvin B.
Tabet, Georges E.
Vinal, Leroy W.

Dupont, Paul, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France. Producing phosphorus oxychloride. 2,570,924, Oct. 9.

Dustin, Jack G., and L. Johnson, Hadlock, Wash. Boat towing assembly. 2,570,656, Oct. 9.

Earl, Herbert E., Sr., Roselle Park, N. J. Antiskid overshoe. 2,571,020, Oct. 9.

Early, Harold C., Brighton, Mass., assignor to the United States of America as represented by the Secretary of War. Flexible wave guide. 2,571,021, Oct. 9.

Earp, Charles W., and M. F. Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Pulse code modulation system. 2,570,220, Oct. 9.

Earp, Charles W., and M. F. Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Pulse code modulation system. 2,570,221, Oct. 9.

Eberhard, Everett, Haddonfield, and R. O. Endres, Audubon, N. J., assignors to Radio Corporation of America. Crystal controlled oscillator. 2,570,436, Oct. 9.

Eberle, Jack F., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic dehydrofluorination. 2,570,925, Oct. 9.

Eglan, Richelieu C., Kansas City, Kans. Music writing machine. 2,570,330, Oct. 9.

Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.

Eisenberg, Harry, B. W. Allan, and R. Roseman, assignors of three-ninths to said Eisenberg, three-ninths to said Allan, and three-ninths to B. Gaboff, Baltimore, Md. Aluminum hydroxide-magnesium phosphate pharmaceutical composition, method therefor, and thixotropy thereof. 2,570,532, Oct. 9.

Electric Steel Foundry, assignee: *See*—
Haun, Joye C.

Electronic Systems Corporation, assignee: *See*—
Spiegel, Stanley.

Elgin Softener Corporation, assignee: *See*—
McGill, Chester T., and Mansen.

Ell, Lars J. F., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Electric motor. 2,570,222, Oct. 9.

Elliott, Charles F., Fairfax, Va. Universal automobile cover. 2,570,533, Oct. 9.

Ellis, Carter D.: *See*—
Faber, Arthur F., and Ellis.

Ellis Drier Company, The, assignee: *See*—
Ellis, Hubert C.

Ellis-Foster Company, assignee: *See*—
Rust, John B.

Ellis, Hubert C., Evanston, assignor to The Ellis Drier Company, Chicago, Ill. Drying tumbler having operation sequence controls. 2,570,437, Oct. 9.
Elmendorf, Armin, Winnetka, Ill. Machine for making flexible wood filaments. 2,570,926, Oct. 9.
Elmer, William B., Aurora, Ontario, Canada. Heat control system. 2,570,331, Oct. 9.
Endres, Richard O.: *See*—
Eberhard, Everett, and Endres.
Endsley, Louis E., Pittsburgh, Pa., assignor to Fairbanks, Morse & Co., Chicago, Ill. Piston cooling. 2,571,022, Oct. 9.
Enrico, Raymond J., Chisholm, assignor of twenty-five percent to C. A. Tomassoni, Bemidji, Minn. Plate for outboard motors. 2,570,332, Oct. 9.
English Electric Company Limited, The, assignee: *See*—
Welsh, Robert J.
Ercolino, Michael D., Wanamassa, N. J. Antenna. 2,570,333, Oct. 9.
Erjavec, Frank J., Cleveland, Ohio. Vehicle jacking device. 2,570,334, Oct. 9.
Ernsberger, Maurice L., and R. D. Lipscomb, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing organosilanes. 2,570,463, Oct. 9.
Erny, Frank, Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Aerodynamic trim means. 2,570,534, Oct. 9.
Ertner, Edward W., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanism for controlling the speed of motors. 2,571,023, Oct. 9.
Etablissements Paul Duclos Société Anonyme, assignee: *See*—
Wullemen, Albert.
Evatt, Robert B., Darrington, Wash. Arrow. 2,570,782, Oct. 9.
Everett, Leroy E., and E. A. Hund, Chicago, Ill., assignors, by mesne assignments, to Pettibone Mulliken Corporation. Molding apparatus. 2,570,223, Oct. 9.
Ever Tick Corporation, assignee: *See*—
Wise, Lawrence.
Ewing Development Company, assignee: *See*—
Grebe, John J., and Ewing.
Ewing, Walsley B.: *See*—
Grebe, John J., and Ewing.
Exmet Electrical Corporation, assignee: *See*—
Knight, Walter F.
Faber, Arthur F., Erie, and C. D. Ellis, Fairview Township, Erie County, Pa. Indicating device for indicating the next dealer in a card game. 2,570,535, Oct. 9.
Fairbanks, Morse & Co., assignee: *See*—
Endsley, Louis E.
Fairbrother, Frederic A., Jr.: *See*—
Madison, Ralph E., and Fairbrother.
Falls Spring & Wire Company, assignee: *See*—
Van Hove, Desire H.
Falstrom Company, assignee: *See*—
Zeh, Edward A.
Fannen, John J., assignor to Super Mold Corporation of California, Lodi, Calif. Electrically heated retreading mold for tires. 2,570,657, Oct. 9.
Farley, Vincent G., Montclair, N. J. Switch and operating means therefor. 2,570,783, Oct. 9.
Farrell, Frederick L.: *See*—
Farrell, Sydney T. and F. L.
Farrell, Sydney T. and F. L., Belmont, Mass. Self-locking nut. 2,570,658, Oct. 9.
Fason, Thomas M., Knoxville, Tenn. Tube coupling. 2,570,224, Oct. 9.
Fay, Charles H., and R. R. Goodell, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Borehole gravity meter. 2,570,659, Oct. 9.
Federal Telephone and Radio Corporation, assignee: *See*—
Horwitz, Henry L.
Feitl, Rudolf, Brooklyn, assignor to Waldes Kohinoor, Inc., Long Island City, N. Y. Locking slider. 2,571,024, Oct. 9.
Felix, Otto: *See*—
Condon, John C., and Felix.
Felker, Jean H., Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Series electronic switch. 2,570,225, Oct. 9.
Fellabaum, James R., Marion, Ohio. Remotely adjustable rearview mirror. 2,570,536, Oct. 9.
Fellows, Harrison E., and M. O. Holtan, Milwaukee, Wis.: said Holtan assignor to said Fellows. Weight carrying conveyer for foundries. 2,570,927, Oct. 9.
Ferguson, Donald M.: *See*—
Meyer, Vernon H., and Ferguson.
Ferguson, Kenneth F., Anaheim, Calif. Adjustable electric plug. 2,570,784, Oct. 9.
Fields, Ernest, New York, N. Y. Spring actuated motor. 2,570,785, Oct. 9.
Filo, Frank C., Cleveland, and A. P. Marcus, Cleveland Heights, assignors to The Markepp Co., Inc., Cleveland, Ohio. Automatic phonograph system. 2,570,930, Oct. 9.
Finch, Eric G., Sandhurst, England. Preparations for use in agriculture and horticulture. 2,570,537, Oct. 9.
Fincher, Hiumer V., and C. H. Hulett, Alameda, Calif. Fishing raff. 2,570,538, Oct. 9.
Findley, F. G., Co., The, assigne: *See*—
Batchelder, George W., and Bronn.
Fish Engineering Corporation, assignee: *See*—
Hutchinson, Arthur J. L.
Fisher, Mark, Coventry, Warwickshire, assignor to A. T. S. Company Limited, Belgrave Square, England. Locking device for temporary clamping together two or more pieces of sheet metal. 2,570,928, Oct. 9.
Fitch, Frederick B., assignor to Morris Farm Machinery Company, Detroit, Mich. Flexible shaft. 2,570,335, Oct. 9.
Fitch, Hugh, Williamsville, and R. Gillis, Snyder, assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for taping cores. 2,570,929, Oct. 9.
Flagge, Phillip F., and M. W. Gerds, Milwaukee, Wis. Tear gas projector burglar and fire alarm. 2,570,438, Oct. 9.
Fleming, Howard M., West Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Printing tabulating mechanism. 2,570,931, Oct. 9.
Fletcher, Ed, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Apparatus for producing fibers. 2,571,025, Oct. 9.
Floerchinger, Esther S., University City, Mo. Brassière. 2,570,932, Oct. 9.
Flynn, Edward J., and C. E. Kilbourne, Schenectady, N. Y., assignors to General Electric Company. Making dynamoelectric machine windings. 2,570,786, Oct. 9.
Fobes, Ernest E., West Middlesex, and R. P. Rutter, Greenville, Pa. Trailer hitch. 2,570,933, Oct. 9.
Forca, James, Brooklyn, N. Y. Holder for sheets, books, and the like. 2,570,439, Oct. 9.
Ford Motor Company, assignee: *See*—
Brewer, Richard D.
McCarroll, Russell H.
Foris, Julius: *See*—
Nordquist, Ronald E. J., and Foris.
Foster, Charles T., Overland, Mo. Toilet deodorizer. 2,570,934, Oct. 9.
Fountain, Eugene B.: *See*—
Ross, William E., and Fountain.
Four Wheel Drive Auto Company, The, assignee: *See*—
Thomas, William A.
Fouts, William C., Fairmont, W. Va. Window sill and ledge structure. 2,570,336, Oct. 9.
Fowler, Arno W., assignor to C. J. Hug Co., Inc., Highland, Ill. Movement to dial attachment for clocks. 2,570,539, Oct. 9.
Frederick Iron & Steel, Inc., assignee: *See*—
Patrick, Isaac.
Freedlander, Abraham L., Dayton, Ohio, assignor to The Dayton Rubber Company. Spinning cot. 2,570,935, Oct. 9.
Freiberg, Leo, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc. Radio interference eliminator. 2,570,440, Oct. 9.
Friden Calculating Machine Co., Inc., assignee: *See*—
Freiberg, Leo.
Karr, Clinton P.
Fritzinger, George H., assignee: *See*—
Schaible, Theodore G.
Fruithof, Barend G., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Resonant circuit for ultrashort waves. 2,571,026, Oct. 9.
Fuchs, Hedwig: *See*—
Gündel, Wolfgang, Meyer, Offermann, and Fuchs.
Furminger, William, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y. Feeder for flattened can bodies. 2,570,936, Oct. 9.
Furnald, Hary W., Buffalo, N. Y. Apparatus for increasing the traction of vehicle tires. 2,570,540, Oct. 9.
Gaboff, Benjamin, assignee: *See*—
Eisenberg, Harry, Allan, and Roseman.
Gabrielson, Arthur A., Minneapolis, Minn. Grass distributing device for lawn mowers. 2,570,541, Oct. 9.
Galik, Frank A., North Tarrytown, N. Y. Deflector for automobile windows. 2,570,337, Oct. 9.
Gambill, William M., Abilene, Tex. Fish lure. 2,570,338, Oct. 9.
Gamble, Ralph M., assignor to Jones & Lamson Machine Company, Springfield, Vt. Transfer mechanism. 2,570,660, Oct. 9.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Valvular device for fluid-injecting golf ball centers. 2,570,787, Oct. 9.
Gardner, William H., West Palm Beach, Fla. Diagnosis of allergies. 2,570,339, Oct. 9.
Garner, Lloyd P., Lancaster, Pa., assignor to Radio Corporation of America. Electron tube protective system. 2,571,027, Oct. 9.
Gash, Frederick, assigor to William Coulthard & Company Limited, Carlisle, England. Valve for fluid-pressure systems. 2,570,937, Oct. 9.
Gaylord Container Corporation, assignee: *See*—
George, Walter C.
Geiringer, Paul L., Bronxville, N. Y. Airport heating and airport fog dispersal. 2,570,226, Oct. 9.
General Aniline & Film Corporation, assignee: *See*—
Sargent, Donald E., and Pedlow.
General Bronze Corporation, assignee: *See*—
Seelig, Richard P.
General Controls Co., assignee: *See*—
Ray, William A.

General Electric Company, assignee: *See*—
Bailey, James.
Banander, George B.
Bramhall, George H.
Brown, Allan R.
Cobean, Richard W., and Holmquest.
Coggeshall, Thellwell R.
Flynn, Edward J., and Kilbourne.
Gullick, Oliver F.
Hamm, Clarence L.
Hammerly, Herman J., and Veitch.
Kelley, Floyd C.
Lundberg, John E., and Wallace.
Rosenkrans, Frank A., and Wagner.
Schaefer, Vincent J.
Sink, Robert L.
Stanworth, John E., and Dale.
Swerdlow, Nathan, and Abel.
Willsey, John C.
Young, Charles M., and Wanamaker.
General Electric Company, Limited, assignee: *See*—
Duckett, Gerald C., and Willoughby.
Stenning, Luis C.
General Glass Equipment Co., assignee: *See*—
Schreiber, Carl W.
General Railway Signal Company, assignee: *See*—
O'Brien, John C.
Scheg, Mercian A.
General Tire and Rubber Company, The, assignee: *See*—
Dodge, Howard M.
George, Garland M.: *See*—
Hollister, Frank O., and George.
George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Master shipping carton. 2,570,340, Oct. 9.
Gerald, Curtis F., Riverside, and G. R. Donaldson, Brookfield, assignors to Universal Oil Products Company, Chicago, Ill. Phosphoric acid catalyzed thiophene alkylation and gravity separation of resultant products. 2,570,542, Oct. 9.
Gerds, Melvin W.: *See*—
Glagge, Phillip F., and Gerds.
Gerotor May Corporation, assignee: *See*—
Winchester, Albert G.
Gery, William R., assignor to Shakespeare Products Company, Kalamazoo, Mich. Multiple purpose double-acting lever. 2,571,028, Oct. 9.
Gevaert Photo-Production N. V., assignee: *See*—
Schouwenaars, Marcel A., Van de Straete, and Van den Broele.
Giammaria, John J., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Synthetic lubricants. 2,570,788, Oct. 9.
Gillis, Randall: *See*—
Fitch, Hugh, and Gillis.
Gluyas, Thomas M., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Modulator. 2,570,789, Oct. 9.
Glynn, Jay G.: assignee: *See*—
Booth, John L.
Goff, Harold W. Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key sequence indicating keyset. 2,570,940, Oct. 9.
Goodell, Richard R.: *See*—
Fay, Charles H., and Goodell.
Goodrich, B. F., Company, The, assignee: *See*—
Gammeter, John R.
Hollerith, Charles.
Maxey, Edwin M., and Krupp.
Wilson, Matthew W.
Wolf, Robert J.
Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Variable reactance transistor circuit. 2,570,938, Oct. 9.
Goodrich, Hunter C., Jr., Collingswood, N. J., assignor to Radio Corporation of America. Semiconductor reactance circuit. 2,570,939, Oct. 9.
Goodwin, John T., assignor to Dow Corning Corporation, Midland, Mich. Organosilicon resins. 2,571,029, Oct. 9.
Gorin, Everett, Whitehall, assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Conversion of carbon to electrical energy. 2,570,343, Oct. 9.
Gosselin, Wilfrid J.: *See*—
Segee, James E., and Gosselin.
Gotlieb, Lenard, assignee: *See*—
Carper, Earl W.
Govett, Thomas, Summit, and M. L. Almquist, Maplewood, N. J., assignors to Reheis Company, Inc. Astringent, antiperspirant, and making. 2,571,030, Oct. 9.
Gratzmuller, Anne M.: *See*—
Touraton, Emile, Zwobada, and Gratzmuller.
Gray, Claud W., El Paso, Tex. Economizer unit. 2,570,661, Oct. 9.
Gray, George W., Lambertville, N. J., assignor to Radio Corporation of America. Signal sampling. 2,570,790, Oct. 9.
Gray, Samuel P., Forest Hills, N. Y. Handcuffs, leg iron, shackle, and the like. 2,570,662, Oct. 9.
Great Lakes Spring Corporation, assignee: *See*—
Van Hove, Desire H.
Grebe, John J., Midland, and W. B. Ewing, assignors to Ewing Development Company, Grand Rapids, Mich. Welded frame structure. 2,570,791, Oct. 9.
Gresham, William F., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Preparing polyhydric alcohols and related products. 2,570,792, Oct. 9.
Gresham, William F., and I. D. Webb, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of acyl fluorides. 2,570,793, Oct. 9.
Grey, Victor A., assignor to Kartridg-Pak Machine Co., Chicago, Ill. Sealing structure. 2,570,441, Oct. 9.
Grigsby, William E., and E. S. Bloom, assignors to E. I. de Pont de Nemours & Company, Wilmington, Del. Purification of organic nitriles. 2,570,794, Oct. 9.
Grigsby, William M., assignor to American Paper Co., Inc., Richmond, Va. Mechanical lifting device. 2,570,941, Oct. 9.
Grimshaw, Charles H., Kalamazoo, Mich. Shank stiffener for shoes. 2,570,795, Oct. 9.
Grosdoff, Igor E., Princeton, N. J., assignor to Radio Corporation of America. Production of sharp pulses. 2,570,442, Oct. 9.
Gross, Rose, New York, N. Y. Diaper. 2,570,796, Oct. 9.
Grundstrom, Erik G., assignor to Advance Aluminum Castings Corp., Chicago, Ill. Adjustable relief valve for pressure cookers. 2,570,228, Oct. 9.
Guardian Electric Manufacturing Co., assignee: *See*—
Priesmeyer, Charles H.
Guarino, Gasper, assignor of fifty per cent to M. Lasher, Brooklyn, N. Y. Bird cage perch. 2,570,663, Oct. 9.
Guerra, José P., Habana, Cuba. Gumming machine. 2,570,344, Oct. 9.
Guillermin, Dewey S., Conway, Pa. Ignition control. 2,570,797, Oct. 9.
Gulf Research & Development Company, assignee: *See*—
Stevens, Donald R., and Camp.
Stevens, Donald R., and Dubbs.
Wyckoff, Ralph D.
Gullick, Oliver F., Rugby, England, assignor to General Electric Company. Regulation of high-frequency oscillators. 2,570,798, Oct. 9.
Gündel, Wolfgang, Dusseldorf-Oberkassel, E. Meyer and W. Offermann, Dusseldorf-Derndorf, and H. Fuchs, Dusseldorf, assignors to Henkel & Cie, G. m. b. H., Dusseldorf-Holthausen, Germany. Preserving vegetables. 2,570,664, Oct. 9.
Gunderson, Norman R., Pasadena, Calif. Correcting sensitivity drift of amplifiers. 2,570,665, Oct. 9.
Gurley, W. & L. E., assignee: *See*—
Larsen, Harold R., and Gurney.
Gurney, Daniel: *See*—
Larsen, Harold R., and Gurney.
Haagensen, Thor, New York, N. Y. Beam clamp. 2,570,666, Oct. 9.
Hadfield, Harry J., Philadelphia, Pa. Automatic pintle oiler. 2,570,942, Oct. 9.
Hagan Corporation, assignee: *See*—
Vetter, Otto B.
Hageman, Louis F., Lewiston, N. Y., and C. J. Manuel, Durham, N. H., assignors to Moore Business Forms, Inc., Niagara Falls, N. Y. Forwarding mechanism for autographic registers. 2,570,799, Oct. 9.
Hagermann, Charles C., assignee: *See*—
Stirlen, Morley W.
Hake, George H., Depew, N. Y. Hinge for containers. 2,570,341, Oct. 9.
Halbert, William E., Fort Worth, Tex. Valve for oil well tubing. 2,570,667, Oct. 9.
Hall, James W., Elwyn, J. P. Hollihan, Jr., Garden City, and F. F. Morehead, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del. Producing products of animal fibers. 2,570,443, Oct. 9.
Halpern, Bernard R., New York, N. Y. Precision process camera. 2,570,668, Oct. 9.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe joint. 2,570,545, Oct. 9.
Hamlett, Roswell W., Durham, N. C. Drain cleaner. 2,570,546, Oct. 9
Hamlin, Jerry F., San Francisco, Calif. Jaw holder for blind riveting guns. 2,570,801, Oct. 9.
Hamm, Clarence L., Marblehead, Mass., assignor to General Electric Company. Connector for dynamoelectric machines. 2,570,800, Oct. 9.
Hammerly, Herman J., and A. H. Veitch, Plainville, Conn., assignors, by mesne assignments, to General Electric Company. Electric switch for panels, etc. 2,570,229, Oct. 9.
Hammond, Joseph, Rockford, Ill. Tappet adjusting tool. 2,570,230, Oct 9.
Hanna, Merrill O., East Malvern, Victoria, Australia. Method of and apparatus for electrically heating and upsetting metal rods or bars. 2,570,547, Oct. 9.
Hanna, Merrill O., East Malvern, Victoria, Australia. Method of and apparatus for electrically heating and upsetting rods or bars. 2,570,548, Oct. 9.
Hannigan, Joseph E., Johnston, R. I. Aerating faucet attachment. 2,570,669, Oct. 9.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio reflector marker. 2,570,549, Oct. 9.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Radio calling system. 2,571,031, Oct. 9.

Hansen, Francis F., Pittsburgh, Pa. Condensed milk composition and its preparation. 2,570,231, Oct. 9.

Hansgirg, Fritz J., Black Mountain, assignor to North Carolina Magnesium Development Corporation, Asheville, N. C. Continuous process for recovery of magnesium. 2,570,232, Oct. 9.

Hanson, Henry M., assignor to G. L. Stith, Glendora, Calif. Automatic poultry scalding apparatus. 2,571,032, Oct. 9.

Hanson, Oliver D., Jr., Denver, Colo. Closure cap for fuel tanks. 2,570,550, Oct. 9.

Hardy, Charles E.: *See*—
Honey, Eric M. O., and Hardy.

Harmes, Oren B.: *See*—
Livingston, Francis G., and Harmes.

Harold, Edwin P., Menasha, Wis. Pen or pencil pocket clip. 2,570,670, Oct. 9.

Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Pump control. 2,570,342, Oct. 9.

Harris, Franklin H., Jr., U. S. Navy. Automatic gain control for pulse amplifiers. 2,570,233, Oct. 9.

Harris, Philip W., Milwaukee, Wis. Portable floor construction. 2,570,234, Oct. 9.

Harrison, William J.: *See*—
McCarthy, Justin J., and Harrison.

Harter, Isaac, Jr., Beaver, Pa., and T. W. Ratcliffe, Westfield, N. J., assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Apparatus for pouring molten metal. 2,571,033, Oct. 9.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bourgonjon, Louis R., Horowitz, Klein, Slooff, van Tol, and Unk.
Combee, Bart.
Fruithof, Barend G.
Schmidt, Gerrit.

Hartman, John F., assignor, by mesne assignments, of forty per cent to J. B. Reinhard, Allentown, Pa. Guarded knife for cutting butter and cheese. 2,570,671, Oct. 9.

Harvey, Charles D., La Mesa, Calif., assignor to C. B. Schroeder. Machine for making plaster corner reinforcing strips. 2,571,086, Oct. 9.

Harvey, Dillis I., Plainwell, Mich. Poultry plucking machine. 2,571,034, Oct. 9.

Hass, Edward C., Prince Georges County, Md. Vacuum gauge. 2,570,943, Oct. 9.

Hastings, Sherrel A., assignor to Crane Packing Company, Chicago, Ill. Rotary "O" ring seal for roll-necks. 2,571,035, Oct. 9.

Hatch, B. G., Company, Inc., assignee: *See*—
Kreider, Raymond L.

Hatcher, David B., and R. H. Bunnell, assignors to Libby-Owens-Ford Glass Company, Toledo, Ohio. Production of vinyl aromatic compounds. 2,570,551, Oct. 9.

Hathaway, Claude M., Littleton, Colo. Accelerometer unit. 2,570,672, Oct. 9.

Hatteburg, Robert O., Denver, Colo. Rack for delivery automobiles. 2,570,802, Oct. 9.

Haun, Joye C., deceased, San Francisco, Calif.; by F. P. Mills, executrix, Wallowa, and J. H. Carter, assignors to Electric Steel Foundry, Portland, and F. P. Mills, Wallowa, Oreg. Joint seal. 2,570,673, Oct. 9.

Hausen, Carl, Chicago, Ill. Clock. 2,570,803, Oct. 9.

Hauser, Frederick, Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y. Film controlled motor switch. 2,570,944, Oct. 9.

Hawkins, Earl R., assignor to C. H. Hyer & Sons, Olathe, Kans. Boot stretcher. 2,570,552, Oct. 9.

Hawkins, General A., Dallas, Tex. Drill bit having file teeth. 2,570,945, Oct. 9.

Hawley, John B., Jr., Minneapolis, Minn. Apparatus for blowing or pumping oil wells. 2,570,553, Oct. 9.

Haywood, Jesse B., Concord, N. C. Convertible sled and coaster. 2,570,674, Oct. 9.

Hazeltine, Alan, Maplewood, N. J., assignor to Hazeltine Research, Inc., Chicago, Ill. Signal-translating system. 2,570,805, Oct. 9.

Hazeltine Research, Inc., assignee: *See*—
Hazeltine, Alan.

Hazenfield, Darvoid M., assignor to Crown Cork Specialty Corporation, Decatur, Ill. Box carrier. 2,570,804, Oct. 9.

Heer, Jules: *See*—
Miescher, Karl, and Heer.

Heflin, Carol N., Lodi, Calif., now by change of name, C. N. Morris. Ear protector. 2,570,675, Oct. 9.

Heindel, Herbert H.: *See*—
Holmes, Burton F., and Heindel.

Henderson, John V., Birmingham, Ala. Reciprocating bed. 2,570,676, Oct. 9.

Hendrickson, Richard A., Waubay, S. Dak. Stone loading and transporting drag. 2,570,343, Oct. 9.

Henkel & Cie, G. m. b. H., assignee: *See*—
Gündel, Wolfgang, Meyer, Offermann, and Fuchs.

Henkel, Ferdinand J., Royal Oak, assignor to Lamina Dies and Tools, Inc., Berkley, Mich. Indexing device for machine tools. 2,570,444, Oct. 9.

Hennessey, Russell J., assignor to Waldorf Paper Products Company, St. Paul, Minn. Carton packing construction. 2,570,946, Oct. 9.

Henry, Earle G., Wilmette, Ill. Drawing kit. 2,570,806, Oct. 9.

Henwood, James B., Bala-Cynwyd, assignor to Selas Corporation of America, Philadelphia, Pa. Radiant gas burner internally fired. 2,570,534, Oct. 9.

Herman, Irving J., New York, N. Y. Venetian blind slat structure. 2,570,807, Oct. 9.

Herman, Nathan L., Cleveland, Ohio, assignor to Poe Machine and Engineering Company, Inc., New Wilmington, Pa. Collapsible drum. 2,570,809, Oct. 9.

Hermann, Fred W.: *See*—
Stirlen, Morley W.

Hermes, William H., III, Coronado, Calif. Low-temperature drying apparatus. 2,570,808, Oct. 9.

Hewlett-Packard Company, assignee: *See*—
Overacker, Horace E.

Heyne, Clarence A., and J. R. Johnson, Alton, Ill., assignors to Owens-Illinois Glass Company. Article conveying and timing mechanism. 2,571,036, Oct. 9.

Heywood-Wakefield Company, assignee: *See*—
Watter, Michael.

Hidy, John H.: *See*—
Schmitt, Otto H., and Hidy.

Higonnet, René A. E., Saint-Cloud, France, assignor to International Standard Electric Corporation, New York, N. Y. Device for measurement of the distances of obstacles. 2,570,235, Oct. 9.

Hill, Leo D., assignor to The Aro Equipment Corporation, Bryan, Ohio. Foot valve. 2,570,445, Oct. 9.

Himel, Chester M., Bartlesville, and E. G. Lee, Oklahoma City, Okla., assignor to Phillips Petroleum Company. Drilling fluids and using same. 2,570,947, Oct. 9.

Hinsley, Robert J., Denver, Colo. Heat-retaining unit for furnaces. 2,570,948, Oct. 9.

Hoe, R., & Co. Inc., assignee: *See*—
Burls, John A. E.

Hoeppner, Conrad H., Washington, D. C. Discriminator circuit. 2,570,236, Oct. 9.

Hoffenberg, Isidor, Milford, Conn., assignor to A. Werman & Sons, Inc., Brooklyn, N. Y. Ground-contacting surface for shoe soles. 2,570,949, Oct. 9.

Hoffman, Frederick P., Dade City, Fla. Adjustable hammock hanger. 2,571,037, Oct. 9.

Hoffman, Leo, Cos Cob, Conn. Folding crib. 2,570,446, Oct. 9.

Hoffmann, Walter L., Flushing, and A. E. Lennstrom, Richmond Hill, N. Y. Trackway guided bed. 2,570,344, Oct. 9.

Högberg, Linus W., Stockholm, Sweden. Trigonometric instrument. 2,571,038, Oct. 9.

Hollister, Frank O., Los Angeles, and G. M. George, Long Beach, Calif. Hardware for mounting an overhead garage door. 2,570,447, Oct. 9.

Hollerith, Charles, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Expander tube brake construction. 2,570,345, Oct. 9.

Hollihan, John P.: *See*—
Hall, James W., Hollihan, and Morehead.

Hollins, Jesse R., Brooklyn, N. Y. Direction switch for vehicle lighting circuits. 2,570,811, Oct. 9.

Hollymade Hardware Manufacturing Company, assignee: *See*—
Cerf, Robert C., Jr.

Holmes, Burton F., and H. H. Heindel, assignors to Schultz Die Casting Company, Toledo, Ohio. Electronic sequence space discharge tube network. 2,570,448, Oct. 9.

Holmquest, Harold J.: *See*—
Cobean, Richard W., and Holmquest.

Holtan, Edward C.: *See*—
Bussiere, George, and Holtan.

Holtan, Maurice O.: *See*—
Fellows, Harrison E., and Holtan.

Honey, Eric M. O., and C. R. Hardy, assignors to Pritchett & Gold and E. P. S. Company Limited, Dagenham Dock, England. Battery separator. 2,570,677, Oct. 9.

Hooghkirk, Richard L., Chicago, Ill., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Heating system controlled by outside temperature. 2,570,810, Oct. 9.

Hooper, Gilman S.: *See*—
Bruson, Herman A., and Hooper.

Hooper, Gilman S., and G. A. McFarren, Bay Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Spinning of acrylonitrile polymers. 2,570,237, Oct. 9.

Hoover Company, The, assignee: *See*—
Bell, William C., and Press.
Hoover, Herbert W.
Humphrey, Warren A.

Hoover, Herbert W., assignor to The Hoover Company, North Canton, Ohio. Hose support for suction cleaners. 2,570,346, Oct. 9.

Horback, William: *See*—
Van Gorder, Norman, Horback, and Caprio.

Hornik, Joseph, Sr., assignor to Badger Wire & Iron Works, Inc., Milwaukee, Wis. Automatic templet and jig. 2,570,950, Oct. 9.

Horowitz, Alexandre: *See*—
Bourgonjon, Louis R., Horowitz, Klein, Slooff, van Tol, and Unk.

Horsák, Drahomir, Brunn, Czechoslovakia. Production of synthetic material from starch or starch containing substances. 2,570,449, Oct. 9.

Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Metering arrangement for telephone systems. 2,570,238, Oct. 9.

Horwitz, Henry L., Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Time zone telephone metering system. 2,570,239, Oct. 9.

Hottenroth, Frederick W., assignor to Penn Electric Switch Co., Goshen, Ind. Three-way solenoid valve. 2,570,450, Oct. 9.

Hottenroth, Frederick W., assignor to Penn Electric Switch Co., Goshen, Ind. Liquid level control system. 2,570,451, Oct. 9.

Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Houghton, Rowell S., Portland, Oreg. Glider tail jack handle. 2,570,240, Oct. 9.

Hougue, Maurice, Champigny, France. Water pump for automobiles for other uses. 2,570,452, Oct. 9.

Houser, Harold, Waterloo, Iowa. Mourning emblem. 2,570,678, Oct. 9.

Howard Paper Mills, Inc., assignee: *See*—
Todd, Francis C.

Huber, John F., New York, N. Y. Suction cleaning device with a surface-agitating bar. 2,570,679, Oct. 9.

Huck, Alfred J., assignor to Knapp-Monarch Company, St. Louis, Mo. Temperature actuated control. 2,570,453, Oct. 9.

Hudoba, Anthony, Struthers, Ohio. Supporting device for drop cloths. 2,570,555, Oct. 9.

Hug, C. J., Co., Inc., assignee: *See*—
Fowler, Arno W.

Hugo, Lester A., Bartlesville, Okla., and A. D. Baker, Phillips, Tex., assignors to Phillips Petroleum Company. Pipe-line scraper signaling system. 2,570,951, Oct. 9.

Huizinga, Bouke B., Leeuwarden, Netherlands. Separable chain fastener. 2,570,680, Oct. 9.

Hulett, Charles H.: *See*—
Fincher, Blumer V., and Hulett.

Hull, Robert R., Pasadena, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Liquid measuring and dispensing device. 2,570,681, Oct. 9.

Humble, Hilary A.: *See*—
Robinson, Harold A., and Humble.

Humphrey, Warren A., Canton, assignor to The Hoover Company, North Canton, Ohio. Swivel joint. 2,570,347, Oct. 9.

Hund, Ernest A.: *See*—
Everett, Leroy E., and Hund.

Huntar, Felix: *See*—
Nordquist, Ronald E. J., and Huntar.

Hutchinson, Arthur J. L., assignor to Fish Engineering Corporation, Houston, Tex. Pulsation dampener. 2,570,241, Oct. 9.

Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Siloxane elastomers comprising a modified acid polymer and filler. 2,571,039, Oct. 9.

Hyer, C. H., & Sons, assignee: *See*—
Hawkins, Earl R.

Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Grain drill level indicator. 2,570,952, Oct. 9.

Hyster Company, assignee: *See*—
Smith, William W.

Ilmer, Louis, Cortland, N. Y. Unidirectional strand processing machine. 2,570,953, Oct. 9.

Imbert, Jean: *See*—
Anzionnaz, René, and Imbert.

Imbert, Roger J., assignor to Societe Rateau (Société Anonyme), and R. Anzionnaz, Paris, France. Fluid thrust bearing. 2,570,682, Oct. 9.

Imperial Chemical Industries Limited, assignee: *See*—
Tyerman, William.

Industrial Rayon Corporation, assignee: *See*—
Bruson, Herman A.
Bruson, Herman A., and Hooper.
Hooper, Gilman S., and McFarren.
McFarren, Gerald A.

Industrial Scientific Company, assignee: *See*—
Tandler, William S., and Walker.

Innes, David H.: *See*—
Mooney, Thomas F., and Innes.

Institute of Paper Chemistry, The, assignee: *See*—
Kress, Otto.

Interchemical Corporation, assignee: *See*—
Walti, Alphonse.

Internal Instruments, Inc., assignee: *See*—
Rieber, Frank.

International Nickel Company, Inc., The, assignee: *See*—
Bieber, Clarence G., and Sumpter.

International Smelting and Refining Company, assignee: *See*—
Bowman, Reginald G., and Knox.

International Standard Electric Corporation, assignee: *See*—
Busignies, Henri G.
Chatterjea, Prafulla K., and Houghton.
Clark, Trevor H.
Deakin, Gerald.
Earp, Charles W., and Wintle.
Higonnet, René A. E.
Ransom, David H.
Ridler, Desmond S., and Brown.
Touraton, Emile, Zwobada, and Gratzmuller.
Van Mierlo, Stanislas.

Intertype Corporation, assignee: *See*—
Mount, Wadsworth W.

Iron Fireman Manufacturing Company, assignee: *See*—
Hooghkirk, Richard L.

Ishler, Harry K., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Lead wire construction and sealing. 2,570,683, Oct. 9.

J & J Tool & Machine Co., assignee: *See*—
Junkunc, Bela B.

Jack and Heintz Precision Industries, Inc., assignee: *See*—
Christophersen, Clarence E.

Jackson, John H., Newton, Mass. Dental engine attachment. 2,570,812, Oct. 9.

Jackson, Nolan C., Coalgate, Okla. Minnow bucket. 2,570,684, Oct. 9.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Compartment door latch. 2,570,556, Oct. 9.

Jacobs, F. L., Co., assignee: *See*—
Millhan, Lewis D.

Jacobson, Sava: *See*—
Oestreicher, Warren J., Lidz, and Jacobson.

James, Harry T., assignor, by mesne assignments, to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Dampening roller trip. 2,570,242, Oct. 9.

Jeffrey Manufacturing Company, The, assignee: *See*—
Mercier, Stanley M.
Stein, Edward H.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.

Jervis, Wayne T., Flossmoor, assignor to Weber Costello Company, Chicago Heights, Ill. Combination chalk board molding strip and map display rail hook supporting member. 2,570,454, Oct. 9.

Jewel Tea Co., Inc., assignee: *See*—
Berry, Robert I.

Joerndt, Wilbur A., Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Wave guide attenuator. 2,570,814, Oct. 9.

Joerndt, Wilbur A., Silver Spring, Md., and R. W. Larson, Marshfield, Wis., assignors to the United States of America as represented by the Secretary of the Navy. Wave guide attenuator. 2,570,813, Oct. 9.

John Deere Van Brunt Company, assignee: *See*—
Hyland, William A.

John, Francis, Wenatchee, Wash. Tire chain assembly. 2,570,685, Oct. 9.

Johnson, Ernest W., Mountainside, and J. M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y. Making tin hydrocarbons. 2,570,686, Oct. 9.

Johnson, Everett A., Park Ridge, Ill. Coating roller device. 2,570,243, Oct. 9.

Johnson, John R.: *See*—
Heyne, Clarence A., and Johnson.

Johnson, Lloyd E., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Vapor separator. 2,570,557, Oct. 9.

Johnson, Lyle: *See*—
Dustin, Jack G., and Johnson.

Johnson, William G., Milwaukee, Wis. Draft control. 2,570,558, Oct. 9.

Jones, Eugene R., Glassboro, N. J. Dump truck scraper. 2,570,244, Oct. 9.

Jones & Lamson Machine Company, assignee: *See*—
Cormier, Gerard A.
Gamble, Ralph M.

Joy Manufacturing Company, assignee: *See*—
Russell, John D.

Juergenson, Elwood M., Linden, Calif. Wheel adapter plate. 2,570,559, Oct. 9.

Junge, Albert E., New Kensington, Pa., assignor to Pittsburgh Plate Glass Co. Spraying transparent coatings. 2,570,245, Oct. 9.

Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J & J Tool & Machine Co., Chicago, Ill. Venetian blind rail tape clamp. 2,570,455, Oct. 9.

Junkunc, Joseph G., assignee: *See*—
Junkunc, Bela B.

Juvinall, James W., and A. L. Quinlan, La Grange Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Making switch parts. 2,571,040, Oct. 9.

Kahn, Benjamin, Gadsden, Ala. Device for making pile fabrics. 2,570,348, Oct. 9.

Kahn, Joseph N., St. Albans, assignor of one-third to E. J. Boss, Richmond Hill, N. Y. Chair having vertically adjustable seat. 2,570,687, Oct. 9.

Kaiser, Edward W., Chicago, Ill. Expansion means for jacket or conduit systems. 2,570,246, Oct. 9.

Kals, Walter, New York, assignor to Niagara Blower Company, New York City, N. Y. Condenser. 2,570,247, Oct. 9.

Kardhordo, Eugen, Bratislava, assignor of one-half to Sigma Pumps, National Corporation, Olomouc, Czechoslovakia. Roller skates. 2,570,349, Oct. 9.

Karr, Clinton P., Seattle, Wash., assignor to Friden Calculating Machine Co., Inc. Value indexing mechanism. 2,570,456, Oct. 9.

Kartridg-Pak Machine Co., assignee: *See*— Grey, Victor A.

Kasman, John C., Chicago, Ill. Coaster. 2,570,954, Oct. 9.

Katcher, Morris, New York, N. Y. Universal combination fuel and vacuum pump. 2,570,560, Oct. 9.

Kaufmann, Frank H., Huntingdon Valley, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,570,815, Oct. 9.

Kaul, Emil W., assignor to Textile Machine Works, Wyomissing, Pa. Yarn guide for full-fashioned knitting machines. 2,570,388, Oct. 9.

Keegan, James B., Santa Rosa, Calif. Folding fish gaff. 2,570,688, Oct. 9.

Keeshan, William T., Navesink, N. J. Fountain applicator and dispenser with magnetic valve. 2,570,955, Oct. 9.

Keizer, Eugene O., and V. D. Landon, Princeton, N. J., assignors to Radio Corporation of America. Heterodyne detector circuit. 2,571,041, Oct. 9.

Kelbel, Donald W.: *See*— Carnagua, Harold E., and Kelbel.

Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Metalising and bonding nonmetallic bodies. 2,570,248, Oct. 9.

Kemp, Calvin R., Delaware, Ohio. Blade for fowl-plucking apparatus. 2,571,042, Oct. 9.

Kendall, Harold G., assignee: *See*— Schaible, Theodore G.

Kennedy, Chester R., Lakeville, Mass. Antiskid device for pneumatic tires. 2,570,689, Oct. 9.

Kenyon, David E., Cold Spring Harbor, N. Y., assignor to The Sperry Corporation. Combining and separating circuits. 2,570,249, Oct. 9.

Kern, Charles L., Cappe, Ark., assignor of one-half to Alice L. Smith, Kansas City, Mo. Power moving apparatus and remote control therefor. 2,570,350, Oct. 9.

Kiefer, William E., assignee: *See*— Duerr, Carl F., Jr.

Kilbourne, Charles E.: *See*— Flynn, Edward J., and Kilbourne.

Kilian, Jerome J., Minneapolis, Minn. Blade sharpener. 2,570,690, Oct. 9.

Kimple, Virgil R., Los Angeles, Calif. Musical instrument. 2,570,816, Oct. 9.

Kindland, Erick N., Jamestown, N. Y. Hammer having replaceable striking heads. 2,570,691, Oct. 9.

Kinker, Clarence C., Defiance, Ohio, assignor to O'Neill Patents Limited. Glassware forming machine. 2,570,817, Oct. 9.

Kinney, Walter B., Bainbridge, assignor to The Borden Company, New York, N. Y. Adhesive composition. 2,570,561, Oct. 9.

Kinsley, Jason D., Cedar Rapids, Iowa. Artificial denture. 2,570,562, Oct. 9.

Kirkbride, John F., and P. C. Whitener, Seattle, Wash., assignors to Boeing Airplane Company. Tank filler pipe and closure. 2,570,818, Oct. 9.

Kirshenbaum, Abraham D.: *See*— Rudel, Harry W., and Kirshenbaum.

Kivo, Irving, Brooklyn, N. Y. Brassière construction. 2,570,819, Oct. 9.

Kleis, Derk: *See*— Bourgeaton, Louis B., Horowitz, Kleis, Slooff, van Tol, and Unk.

Kleist, Herman W., assignor to Dole Refrigerating Company, Chicago, Ill. Tunnel freezer. 2,570,250, Oct. 9.

Kleesig, Ernst, Berkley, assignor to Vickers Incorporated, Detroit, Mich. Flow regulating valve. 2,570,351, Oct. 9.

Knab, Max, Brooklyn, assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y. X-ray cone assembly. 2,570,820, Oct. 9.

Knapp-Monarch Company, assignee: *See*— Huck, Alfred J.

Knight, Walter F., Alfold, England, assignor to Exmet Electrical Corporation, New York, N. Y. Expanded metal electrical resistance. 2,570,602, Oct. 9.

Knowlton, Cutler D., Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Headrest for gunners' chairs. 2,570,457, Oct. 9.

Knox, William J., Jr.: *See*— Bowman, Reginald G., and Knox.

Koehring Company, assignee: *See*— Beckwith, Raymond A. Beckwith, Wendell K.

Koons, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Impulse generator. 2,570,693, Oct. 9.

Koppers Company, Inc., assignee: *See*— Nickels, Joseph E., and Kuts.

Kornberg, Irving, and A. Bloom, Brooklyn, N. Y. Coin-controlled television. 2,570,821, Oct. 9.

Kowalczyk, Zygmunt, Krakow, Poland. Surveying target. 2,570,458, Oct. 9.

Kreider, Raymond L., Millcreek Township, Erie County, Pa., assignor to B. G. Hatch Company, Inc., Brooklyn, N. Y. Dental holding and resting device for holding the mouth in an open position. 2,570,459, Oct. 9.

Kreimendahl, Rodney, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Operating means for sliding doors. 2,570,563, Oct. 9.

Kress, Otto, assignor to The Institute of Paper Chemistry, Appleton, Wis. Oxidiser for black liquor. 2,570,460, Oct. 9.

Kressman, Theodore R. E., Twickenham, England, assignor to The Permutit Company, New York, N. Y. Anion exchange materials and their preparation. 2,570,822, Oct. 9.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Vacuumising and closing machine with rotary bell turret, vertically movable, can supporting, bell closing pads, and pad movement rate control means. 2,570,956, Oct. 9.

Krupp, Carroll P.: *See*— Maxey, Edwin M., and Krupp.

Kublin, Fred W., assignor to Dazey Corporation, St. Louis, Mo. Grinder for sharpening cutlery. 2,570,564, Oct. 9.

Kuts, Walter M.: *See*— Nickels, Joseph E., and Kuts.

Lamb, Roy A., assignor to Merla Tool Corporation, Dallas, Tex. Anchoring device for well packers. 2,570,565, Oct. 9.

Lamina Dies and Tools, Inc., assignee: *See*— Henkel, Ferdinand J.

Landis Tool Co., assignee: *See*— Price, Ralph E.

Landon, Vernon D.: *See*— Keizer, Eugene O., and Landon.

Lane, Frank W., Newport, and W. L. Dills, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile treating solutions and compositions containing same. 2,570,566, Oct. 9.

Lange, Emil, Paris, France. Electric circuit controlling device. 2,570,567, Oct. 9.

Lange, Max E., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,571,043, Oct. 9.

Langenbahn, Albert E., New Holland, Ill. Self-regulating stock tank. 2,570,694, Oct. 9.

La Roe, Else K., New York, N. Y., and J. E. Lilienfeld, St. Thomas, Virgin Islands, said Lilienfeld assignor to said La Roe. Breast covering for brassières. 2,570,352, Oct. 9.

Larsen, Harold R., Troy, and D. Gurney, Jamestown, assignors to W. & L. E. Gurley, Troy, N. Y. Spindle bearing for surveying instruments. 2,570,568, Oct. 9.

Larson, Roland W.: *See*— Joerndt, Wilbur A., and Larson.

Lasher, Murray, assignee: *See*— Guarino, Gasper.

Lawson, E. P., Co., Inc., assignee: *See*— Seybold, Frederick W.

Leading Engine Company, The, assignee: *See*— Benjamin, Harry S., and De Harte.

Leathorn, Robert, Chatham, Ontario, Canada. Illuminated mirror assembly. 2,570,569, Oct. 9.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*— Meyer, Walter R.

Lee, Edison G.: *See*— Himel, Chester M., and Lee.

Lee, Ervin W., Zanesville, Ohio. Fastening device. 2,570,957, Oct. 9.

Lee Foundation for Nutritional Research, assignee: *See*— Lee, Royal.

Lee, Francis E., Abington, Pa. Lined drawer. 2,570,958, Oct. 9.

Lee, Royal, Elm Grove, assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis. Tool chuck. 2,570,570, Oct. 9.

Leekley, Robert M., Westport, Conn., assignor to Time, Inc., New York, N. Y. Zein ink compositions. 2,570,353, Oct. 9.

Leeman, Robert N., Malden, Mass. Combination back rest and bag structure. 2,570,371, Oct. 9.

Legler, John C.: *See*— Vaughan, William E., Jr., and Legler.

Legros, Robert G., Paris, France. Standard frequency generator. 2,570,461, Oct. 9.

Lennstrom, Arthur E.: *See*— Hoffmann, Walter L., and Lennstrom.

Lennström, Karl V., assignor to Reymersholms Gamla Industri Aktiebolag, Halsingborg, Sweden. Cooling device and a method for transferring molten aluminum sulphate into solid pieces by using the device. 2,570,572, Oct. 9.

"Le Progrès Industriel, Société Anonyme," assignee: *See*— Rumpf, Martin H.

Lester, John M., Hempstead, N. Y., assignor to The Sperry Corporation. Pulse echo direction and distance indicator. 2,570,251, Oct. 9.

Levine, Hillel, assignee: *See*— Levine, Paul.

Levine, James, assiguee: *See*— Levine, Paul.

Levine, Paul, New York, assignor of one-third to Hillel Levine, Brooklyn, and one-third to James Levine, Flushing N. Y. Web aligning device. 2,570,695, Oct. 9.

Levine, Paul, New York, assignor of one-third to Hillel Levine, Brooklyn, and one-third to James Levine, Flushing, N. Y. Device for notching an edge of a flexible web. 2,570,696, Oct. 9.

Levy, Morris, Philadelphia, Pa. Automatic and manually operated fire alarm signal station. 2,570,823, Oct. 9.

Libby-Owens-Ford Glass Company, assignee: *See*— Hatcher, David B., and Bunnell.

Libolron, Joseph G., Medicine Hat, Alberta, Canada. Self-propelled irrigation machine. 2,570,573, Oct. 9.

Licata, Francis J.: *See*— Southern, John A., Roth, Licata, and Cunder.

Lidz, Sidney: *See*— Oestreicher, Warren J., Lidz, and Jacobson.

Lilienfeld, Julius E.: *See*— La Roe, Else K., and Lilienfeld.

Lindberg, John E., Jr., Redwood City, Calif. Engine power analyzer recorder. 2,570,252, Oct. 9.

Lindbloom, Charles V., Daytona Beach, Fla. Wire winding device. 2,570,575, Oct. 9.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Wide band antenna. 2,570,824, Oct. 9.

Lindsay, Robert W., assignee: *See*— Boling, Ronald W.

Linn, Carl B., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of 2,3-dimethylalkanes. 2,570,574, Oct. 9.

Lipscomb, Robert D.: *See*— Ernsberger, Maurice L., and Lipscomb.

Lipscomb, Robert D., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing organosilanes. 2,570,462, Oct. 9.

Livingston, Francis G., and O. B. Harmes, assignors to Livingston Tool Co., Algona, Iowa. Valve reconditioning chuck. 2,570,825, Oct. 9.

Livingston Tool Co., assignee: *See*— Livingston, Francis G., and Harmes.

Lockheed Aircraft Corporation, assignee: *See*— Kreimendahl, Rodney. Price, Nathan C.

Loew, Theodore, Brooklyn, assignor to Trubenising Process Corporation, New York, N. Y. Sewing machine presser foot. 2,570,464, Oct. 9.

Loney, Hugh W., assignor to C. G. Conn, Ltd., Elkhart, Ind. Saxohpone shield. 2,570,354, Oct. 9.

Lord, Wilfrid, Rochdale, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Belting. 2,570,576, Oct. 9.

Low, Sidney, Springfield, Mass. Metal alloy. 2,570,355, Oct. 9.

Lowell Wrench Company, assignee: *See*— Dodge, John S., and Campanile.

Luis, Michael, Cleveland, Ohio. Combination square and protractor. 2,570,356, Oct. 9.

Lundberg, John E., Lynn, and G. A. Wallace, Malden, Mass., assignors to General Electric Company. Error compensator. 2,570,826, Oct. 9.

Lundholm, Joseph S., Rockford, Ill. Fixation of hip fractures. 2,570,465, Oct. 9.

Lundquist, William E., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Stable aqueous dispersions of copolymers of vinyl esters, neutral ethylenic polyesters, and acrylic acid, and making. 2,570,253, Oct. 9.

Lustig, Hans G.: *See*— Roughsedge, Robert H., and Lustig.

Lutsky, Arthur A., Newark, and A. A. Walker, Succasunna, assignors to The Daven Company, Newark, N. J. Electrical switch. 2,570,960, Oct. 9.

Lutton, Clarence D., Baltimore, Md. Ventilator and weather head. 2,570,959, Oct. 9.

Lutz, James I., Statesville, N. C. Occupant-propelled step-by-step vehicle. 2,570,254, Oct. 9.

Lynch, Clarence S., New Hyde Park, N. Y. Paper fastener. 2,571,044, Oct. 9.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,570,255, Oct. 9.

Lyons, Dan A., assignor, by mesne assignments, to Young Iron Works, Seattle, Wash. Industrial truck with hand tilted frame. 2,570,256, Oct. 9.

Lyttle, Douglas A.: *See*— Weisblat, David I., and Lyttle.

M. and M. Wood Working Company, assignees *See*— Nylund, John A.

MacHenry, Richard, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Staple cutter. 2,570,466, Oct. 9.

MacLean-Fogg Lock Nut Company, assignee: *See*— Rowe, Lawrence A.

Macnee, Alan B., Boston, Mass., assignor, by mesne assignments to the United States of America as represented by the Secretary of War. Amplifier coupling circuit. 2,571,045, Oct. 9.

Madison, Ralph E., and F. A. Fairbrother, Jr., Detroit, Mich., assignors to Devoe & Raynolds Company, Inc., New York, N. Y. Composition for waterproofing masonry. 2,570,827, Oct. 9.

Magnavox Company, The, assignee: *See*— Koons, John C. Martin, Norman F.

Maisey, John J., Palm City, Calif. Self-ejecting electric plug. 2,571,046, Oct. 9.

Malachowski, Bronislaus T., Detroit, Mich. Transmission. 2,570,467, Oct. 9.

Malsbary Manufacturing Co., assignee: *See*— Pritchard, Clarence L.

Manion, Kenneth J., Houston, Tex. Vibration absorber. 2,570,577, Oct. 9.

Manseau, David O., Berkley, Mich. Pump. 2,570,698, Oct. 9.

Mansen, Harry: *See*— McGill, Chester T., and Mansen.

Manuel, Charles J.: *See*— Hageman, Louis F., and Manuel.

Marcerou, Paul, Paris, France. Portable mechanical saw. 2,570,700, Oct. 9.

Marcus, Arthur P.: *See*— Filo, Frank C., and Marcus.

Markepp Co., Inc., The, assignee: *See*— Filo, Frank C., and Marcus.

Martin, John N., Wendover, Utah. Protective spray fire nozzle. 2,570,828, Oct. 9.

Martin, Marie-Thérèse, Versailles, France. Harmonic-selecting apparatus. 2,570,701, Oct. 9.

Martin, Norman F., assignor to The Magnavox Company, Fort Wayne, Ind. Dual stylus phonograph pickup. 2,570,578, Oct. 9.

Martin, Tolly C., Monterey, Calif. Periscope for motor vehicles. 2,570,357, Oct. 9.

Marvey Specialty Company, Incorporated, assignee: *See*— Brown, Merle M.

Masheris, Fred A., assignor to Dormeyer Corporation, Chicago, Ill. Food mixer indexing mechanism. 2,570,358, Oct. 9.

Masson Scott & Company Limited, assignee: *See*— Battersby, James E.

Massucci, Fiore, Waterbury, Conn. Adjustable oil jug stand. 2,570,359, Oct. 9.

Masters, Robert W., Erlton, N. J., assignor to Radio Corporation of America. Transmission line system. 2,570,579, Oct. 9.

Matthes, Herbert E., St. Paul, Minn. Fishhook. 2,570,468, Oct. 9.

Maxey, Edwin M., Akron, and C. P. Krupp, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Heat sealable vulcanized film and making same. 2,570,829, Oct. 9.

McBride, Delroy, Twin Falls, Idaho. Boiler feed. 2,570,961, Oct. 9.

McBroom, James C., Van Nuys, assignor of one-half to A. Cuthill, Los Angeles, Calif. Intercepting liquid refrigerant. 2,570,962, Oct. 9.

McCarroll, Russell H., assignor to Ford Motor Company, Dearborn, Mich. Automobile jack. 2,570,360, Oct. 9.

McCarthy, Justin J., Arlington, and W. J. Harrison, Reading, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo. Sizing textile warp yarns. 2,570,830, Oct. 9.

McClure, Alfred E., Marne, Mich. Fuel-saving hot-air furnace. 2,570,580, Oct. 9.

McCoy, Henry S., assignee: *See*— Coats, William F.

McDermott, Henry J., Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del. Tail winding device. 2,570,469, Oct. 9.

McFarren, Gerald A.: *See*— Hooper, Gilman S., and McFarren.

McFarren, Gerald A., Bay Village, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Spinning of acrylonitrile polymers. 2,570,257, Oct. 9.

McGill, Chester T., Elgin, and H. Mansen, Barrington, assignors to Elgin Softener Corporation, Elgin, Ill. Fluid treating apparatus. 2,570,258, Oct. 9.

McGraw Electric Company, assignee: *See*— Osterheld, Clark M. Williman, Philip E.

McIntyre, Manuel A., Napa County, assignor, by mesne assignments, to R. K. McIntyre, San Francisco, Calif. Artificial leg. 2,570,581, Oct. 9.

McIntyre, Rose K., assignee: *See*— McIntyre, Manuel A.

McKays Company, The, assignee: *See*— Albertson, Lawrence E.

McKinley, James G., Waynesville, N. C., assignor to The Davton Rubber Company. Method of and apparatus for the manufacture of flexible conduits. 2,570,259, Oct. 9.

McWilliams, Marion F., Jr., Hollywood, Calif. Mixing valve. 2,571,047, Oct. 9.

Meadows, John J., New York, N. Y. Electric control system. 2,570,831, Oct. 9.

Medlar, Lewis A., Oreland, assignor, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa. Signal means for battery chargers. 2,571,048, Oct. 9.
Mejia, Manuel R., Yauco, P. R. Corpse viewing cover. 2,570,361, Oct. 9.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Oscillating fluid pressure machine. 2,570,832, Oct. 9.
Mercier, Jean, Paris, France. Telescopic shock absorbing strut. 2,570,362, Oct. 9.
Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Bucket elevator for hydrocarbon conversion systems. 2,570,363, Oct. 9.
Mercier, Stanley M., Bexley, Ohio, assignor to The Jeffrey Manufacturing Company. Self-aligning belt idler. 2,570,364, Oct. 9.
Mergen, Joseph M.: *See*—
Chilson, Charles W., and Mergen.
Merla Tool Corporation, assignee: *See*—
Lamb, Roy A.
Mesmer, John E., Los Angeles, Calif. Infant's diaper. 2,570,963, Oct. 9.
Metal & Thermit Corporation, assignee: *See*—
Johnson, Ernest W., and Church.
Metallising Engineering Co. Inc., assignee: *See*—
Davidoff, Charles.
Metalwash Machinery Company, assignee: *See*—
Zademach, Erich R., and Clarke.
Metcalf, Irving R., and G. E. Bock, Chicago, assignors to Whiting Corporation, Harvey, Ill. Electric chain hoist. 2,570,833, Oct. 9.
Meth, Maurice, Bronx, N. Y. Wheeled animal figure toy. 2,570,834, Oct. 9.
Meyer, Eckart: *See*—
Gündel, Wolfgang, Meyer, Offermann, and Fuchs.
Meyer, Vernon H., Beverly, and D. M. Ferguson, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Bladed roll for working hides. 2,570,470, Oct. 9.
Meyer, Walter R., assignor to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio. Crankshaft chuck. 2,570,964, Oct. 9.
Meyers, Charles O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Variable automatic clearance pocket. 2,570,965, Oct. 9.
Meylich, Milton J., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Pneumatic counterweight. 2,571,049, Oct. 9.
Michael, Pierre L., and K. L. Robison, Houston, Tex. Clamp for sectional signs. 2,570,365, Oct. 9.
Michell, Joseph U., Rosemead, Calif. Adjustable bench stop. 2,570,050, Oct. 9.
Miehle Printing Press & Manufacturing Company, assignee: *See*—
James, Harry T.
Miescher, Karl, Riehen, and J. Heer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Preparation of 7-hydroxy-1:2-dialkyl-rydrophenanthrene-2-carboxylic acids. 2,570,582, Oct. 9.
Milhan, Lewis D., assignor to F. L. Jacobs Co., Detroit, Mich. Latch assembly for convertible automobile tops. 2,570,260, Oct. 9.
Milhan, Lewis D., assignor to F. L. Jacobs Co., Detroit, Mich. Header locking mechanism. 2,570,261, Oct. 9.
Miller, Glenn C., Portland, Oreg. Conveyer flight. 2,570,583, Oct. 9.
Mills, Florence P., executrix: *See*—
Haun, Joye C.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wild, Rudolf F., and Curran.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Aldrich, Paul H.
Lundquist, William E.
Mirrlees Watson Company Limited, The, assignee: *See*—
Bach, Niels B.
Miskin, Ronald A., Clearfield, Utah, and J. N. Suddarth, Seattle, Wash., said Suddarth assignor to said Miskin. Leaping figure toy. 2,570,584, Oct. 9.
Mitchell, Lesie E., Owensboro, Ky. Multiple inlet drinking straw. 2,570,366, Oct. 9.
Mitchell, Robert L.: *See*—
Dice, Henry K., and Mitchell.
Mitten, Raymond F., assignor to The Yoder Company, Cleveland, Ohio. Method of and apparatus for continuous flow densifiers. 2,570,367, Oct. 9.
Mizen, Carlton A., Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War. Direction-finder system. 2,571,051, Oct. 9.
Mohawk Carpet Mills, Inc., assignee: *See*—
Underwood, Garfield J., and Ammerall.
Mojonnier Bros. Co., Inc., assignee: *See*—
Cross, Joseph A.
Moloney, Raymond T., assignee: *See*—
Selden, Herman L.
Monroe Calculating Machine Company, assignee: *See*—
Fleming, Howard M.
Monsanto Chemical Company, assignee: *See*—
McCarthy, Justin J., and Harrison.
Towne, Robert W.
Montclair Research Corporation, assignee: *See*—
Rust, John B.
Montross, Eugene E.: *See* —
Stott, Louis L., and Montross.
Moody, Edward S., Riverside, Calif. Delayed gripper action attachment. 2,570,699, Oct. 9.
Moon, John M., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Multiple load-binder anchor. 2,570,368, Oct. 9.
Mooney, Thomas F., New Lexington, Ohio, and D. H. Innes, Matawan, N. J., assignors to Owens-Illinois Glass Company. Deaerating and dispensing slurry. 2,570,835, Oct. 9.
Moore Business Forms, Inc., assignee: *See*—
Hageman, Louis F., and Manuel.
Moore, Henry H., Austin, Tex. Loose-leaf post binder. 2,570,966, Oct. 9.
Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.
Moore, Lee C., Corporation, assignee: *See*—
Woolslayer, Homer J., Campbell, and Jenkins.
Morehead, Frederick F.: *See*—
Hall, James W., Hollihan, and Morehead.
Morris, Carol N.: *See*—
Heflin, Carol N.
Morris, Charles H., Darlington, S. C. Smoking pipe. 2,570,471, Oct. 9.
Morris Farm Machinery Company, assignee: *See*—
Fitch, Frederick B.
Morse, John F., Hudson, Ohio. Mechanical linkage. 2,570,702, Oct. 9.
Moss, Earl C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus. 2,570,967, Oct. 9.
Mott, Stanley F., Leamington Hastings, near Rugby, England. Manure spreading machine. 2,570,472, Oct. 9.
Mount, Wadsworth W., Summit, N. J., assignor to Intertype Corporation, Brooklyn, N. Y. Swivel terminal for cables. 2,571,052, Oct. 9.
Muller, Wolf F., Aiken, S. C., assignor to Servomechanisms, Inc. Potentiometer. 2,570,968, Oct. 9.
Mulligan, James H., Jr., East Orange, and A. J. Talamini, Jr., Caldwell Township, Essex County, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Coincidence blocking tube oscillator. 2,570,836, Oct. 9.
Mullin, Arthur C.: *See*—
Noone, Frank P., and Mullin.
Multi Shingle Corporation, assignee: *See*—
Patterson, Robert.
Murphy, Frank L., and J. E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway sleeping car. 2,570,837, Oct. 9.
Murphy, Norman B., West Englewood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Disconnect device. 2,570,585, Oct. 9.
Murphy, Robert D.: *See*—
Clough, Charles A., Trier, and Murphy.
Murray, Alan E., New York, N. Y. Spring suspension. 2,570,969, Oct. 9.
Murray, Alan E., New York, N. Y. Spring support for bicycle seats. 2,570,970, Oct. 9.
Murray, Walton D., Marinette, Wis. Humidifier for internal-combustion engines. 2,570,369, Oct. 9.
Muskat, Irving E., and R. H. Taylor, Plainfield, N. J., assignors to The Vulcan Detinning Company. Recovering tin from tin-bearing materials. 2,570,473, Oct. 9.
Myers, Gordon S., Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y. Manufacture of methyl amino phenol. 2,571,053, Oct. 9.
Myers, Oscar, Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vertical line number translator. 2,570,971, Oct. 9.
Nakken Products and Development Co. Inc., assignee: *See*—
Nakken, Theodore H.
Nakken, Theodore H., New York, N. Y., assignor to Nakken Products and Development Co. Inc. Spraying nozzle. 2,570,972, Oct. 9.
Nathan, Jerome, and R. W. Adler, assignors to Bantam-Lite, Inc., New York, N. Y. Pen-shaped pocket flashlight. 2,570,838, Oct. 9.
National Southern Products Corporation, assignee: *See*—
Young, Clarence B. F.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Colburn, Alan P., and Dodge.
Joerndt, Wilbur A.
Joerndt, Wilbur A., and Larson.
Schmitt, Otto H., and Hidy.
Wilkes, Gilbert.
Nelson, Andrew J.: *See*—
Dow, Arthur L., and Nelson.
Nelson, Theodore J., Crockett, Calif. Shipping case. 2,570,973, Oct. 9.
Neuhart, Frederick C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydration of petroleum hydrocarbons. 2,570,974, Oct. 9.
Newman, Douglas A., Port Washington, assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Photosensitive planographic plate. 2,570,262, Oct. 9.
Newman, Lewis, Harrison, assignor to The Daven Company, Newark, N. J. Switch plate for electrical switches. 2,571,054, Oct. 9.

Niagara Blower Company, assignee: *See*—
Kals, Walter.
Nickels, Joseph E., and W. M. Kuts, assignors to Koppers Company, Inc., Pittsburgh, Pa. Production of beta-ethylnaphthalene. 2,570,263, Oct. 9.
Nix, John P., Normandy, Mo., assignor to Curtiss-Wright Corporation. Gust lock. 2,570,586, Oct. 9.
Noone, Frank P., and A. C. Mullin, Philadelphia, Pa., said Mullin assignor to said Noone. Automotive equipment. 2,570,587, Oct. 9.
Nordengren, Sven G., Landskrona, Sweden. Filtering apparatus. 2,570,697, Oct. 9.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Container. 2,570,266, Oct. 9.
Nordquist, Ronald E. J., Maplewood, N. J., assignor to American Can Company, New York, N. Y. Machine for opening hinged closure members on containers. 2,570,267, Oct. 9.
Nordquist, Ronald E. J., Maplewood, and F. Huntar, Livingston, N. J., assignors to American Can Company, New York, N. Y. Conveyer mechanism with supporting sprockets. 2,570,264, Oct. 9.
Nordquist, Ronald E. J., Maplewood, and J. Foris, Elizabeth, N. J., assignors to American Can Company, New York, N. Y. Article timing and indexing mechanism. 2,570,265, Oct. 9.
Nordsieck, Arnold T., New York, N. Y., assignor to the United States of America as represented by the Secretary of War. Traveling detector for waves propagated through a wave guide. 2,571,055, Oct. 9.
North Electric Manufacturing Company, The, assignee: *See*—
Campbell, Robert T.
North American Aviation, Inc., assignee: *See*—
Bussiere, George, and Holton.
Werner, Edward.
North Carolina Magnesium Development Corporation, assignee: *See*—
Hansgirg, Fritz J.
Novitzky, Emil, Detroit, Mich. Fish lure. 2,570,474, Oct. 9.
Nylund, John A., assignor to M. and M. Wood Working Company, Portland, Oreg. Removing defects in wood. 2,570,588, Oct. 9.
O'Bannon, Andrew F., Los Angeles, Calif. Vessel propelling and steering mechanism. 2,570,839, Oct. 9.
O'Brien, Harry, assignee: *See*—
Whitcomb, Charles E.
Whitcomb, Charles E., and O'Brien.
O'Brien, John C., assignor to General Railway Signal Company, Rochester, N. Y. Radio-frequency oscillator organization. 2,570,840, Oct. 9.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Spring device. 2,570,370, Oct. 9.
O'Connor, Arthur F., Chicago, Ill., assignor to Union Asbestos & Rubber Company. Snubber. 2,570,371, Oct. 9.
O'Connor, James M., Seattle, Wash. Festive candle. 2,570,841, Oct. 9.
O'Connor, Vincent T., Revere, Mass. Beach or like rocking chair. 2,570,842, Oct. 9.
Oestreicher, Warren J., Brooklyn, S. Lids, New York, and S. Jacobson, Brooklyn, N. Y. Hotel television system. 2,570,475, Oct. 9.
Offermann, Willy: *See*—
Gündel, Wolfgang, Meyer, Offermann, and Fuchs.
Olney, George J., Westernville, N. Y. Vegetable separator. 2,571,056, Oct. 9.
Olson, Emil H., Muskegon, Mich, assignor to Anaconda Wire and Cable Company. Wire coating composition. 2,570,476, Oct. 9.
O'Neill Patents Limited, assignee: *See*—
Kinker, Clarence C.
Orshansky, Elias, Jr., assignor to The Acrotorque Company, Stamford, Conn. Hydraulic transmission. 2,570,843, Oct. 9.
Oslund, Axel, Santa Rosa, Calif. Hop-picking machine. 2,570,844, Oct. 9.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Electric heating element. 2,570,975, Oct. 9.
Otterland, Peter N., Watertown, N. Y. Rotary chipper-knife mounting. 2,570,845, Oct. 9.
Otto, Ferdinand P., and O. M. Reiff, Woodbury, and R. W. Barrett, Westville, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Mineral oil compositions containing esters of reaction product of maleic anhydride and styrene. 2,570,846, Oct. 9.
Ovens, William G., Ramsey, N. J., assignor to Wright Aeronautical Corporation. Air intake control apparatus for gas turbine power plants. 2,570,847, Oct. 9.
Overacker, Horace E., Los Altos, assignor to Hewlett-Packard Company, Palo Alto, Calif. Operating gear for tuning elements. 2,570,703, Oct. 9.
Owens-Corning Fiberglas Corporation, assignee: *See*—
Fletcher, Ed.
Tiede, Ralph L., and Tooley.
Owens-Illinois Glass Company, assignee: *See*—
Busch, Frank B.
Heyne, Clarence A., and Johnson.
Mooney, Thomas F., and Innes.
Ozenberger, Irene, Kansas City, Mo. Combination apron and pot holder. 2,570,848, Oct. 9.
Pace, Ingram C., Livingston, Tex. Inhaler. 2,570,268, Oct. 9.
Panhandle Eastern Pipe Line Co., assignee: *See*—
Young, Farrile S.
Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,570,477, Oct. 3.
Parker, Earl E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Stabilization of copolymerizable polyestermonomer mixture by means of a salt of a substituted hydrazine. 2,570,269, Oct. 9.
Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,570,707, Oct. 9.
Parrish, Tom E., Beaumont, Tex. Automatic shutoff valve. 2,570,372, Oct. 9.
Pass & Seymour, Inc., assignee: *See*—
Russell, Mark N., and Zimmerman.
Patent License Corporation, assignee: *See*—
Arenberg, Albert L., and Zimmerman.
Patrick, Isaac, assignor to Frederick Iron & Steel, Inc., Frederick, Md. Latch operated clutch and control. 2,570,849, Oct. 9.
Patterson, Morehead, New York, N. Y., assignor to American Machine & Foundry Company. Cigarette tobacco preparation and feeding. 2,570,270, Oct. 9.
Patterson, Robert, assignor to Multi Shingle Corporation, Memphis, Tenn. Shingle and shingle covering. 2,571,057, Oct. 9.
Patz, Louis, Kansas City, Mo. Musical book. 2,570,976, Oct. 9.
Peacock, Paul E., Jr., Westfield, N. J. Gas and air mixing apparatus. 2,570,373, Oct. 9.
Pearson, Ira J., Riverside, Calif. Connector for attaching back-splash panels to counter tops. 2,570,850, Oct. 9.
Pearson, John M., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Flowmeter. 2,571,058, Oct. 9.
Pedlow, George W., Jr.: *See*—
Sargent, Donald E., and Pedlow.
Pelletier, Roger, Seaford Harbor, N. Y. Cutout switch for batteries or the like. 2,570,704, Oct. 9.
Pelletier, Roger, Seaford, N. Y. Guard for sewing machines. 2,570,705, Oct. 9.
Peluse, Vincent A., Poughkeepsie, N. Y. Gear-operated, angularly adjustable wrench, screw driver, or similar device. 2,570,706, Oct. 9.
Penn Electric Switch Co., assignee: *See*—
Hottenroth, Frederick W.
Permoda, Daniel A.: *See*—
Dankert, Lester J., and Permoda.
Permutit Company, The, assignee: *See*—
Kressman, Theodore R. E.
Petrocarbon Limited, assignee: *See*—
Clar, Eric.
Petrolite Corporation, Ltd., assignee: *See*—
Pettefer, Robert L., and Badger.
Pettefer, Robert L., and G. M. Badger, Jr., Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Level control system. 2,570,977, Oct. 9.
Pettibone Mulliken Corporation, assignee: *See*—
Everett, Leroy E., and Hund.
Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.
Peyser, Irving, Brooklyn, N. Y. Interchangeable handbag. 2,570,851, Oct. 9.
Pfann, William G., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Semiconductor translating device. 2,570,978, Oct. 9.
Pfistershammer, Josef, Wilhelmsburg, Austria. Metal rake. 2,570,852, Oct. 9.
Philco Corporation, assignee: *See*—
Bocciarelli, Carlo V.
Philips Laboratories, Inc., assignee: *See*—
Knab, Max.
Phillips, Harry A., Chicago, Ill. Compound system for liquid refrigerant return. 2,570,979, Oct. 9.
Phillips, Harry F., assignor to Bausch Machine Tool Company, Springfield, Mass. Transfer mechanism. 2,570,589, Oct. 9.
Phillips, Henry F., assignee: *See*—
Read, Arthur.
Phillips Petroleum Company, assignee: *See*—
Eberle, Jack F.
Himel, Chester M., and Lee.
Hugo, Lester A., and Baker.
Meyers, Charles O.
Neuhart, Frederick C.
Scarth, Virgil.
Upham, John D
Pickett, Andrew B., U. S. Army, New Orleans, La. Apparatus and process for launching revetments. 2,570,271, Oct. 9.
Pierce, Daniel H., Birmingham, Mich. Self-adjusting tappet for internal-combustion engines. 2,570,853, Oct. 9.

Pierce, Daniel H., Birmingham, Mich. Self-adjusting tappet for internal-combustion engines. 2,570,854, Oct. 9.

Pilates, Joseph H., New York, N. Y. Double frame bed. 2,570,855, Oct. 9.

Pilcher, Floy E., Hartford, Wash. Saccharin composition. 2,570,272, Oct. 9.

Pitcher, Hugh N., Montreal, Quebec, Canada. Signal attachment for index cards. 2,570,708, Oct. 9.

Pittsburgh Consolidation Coal Company, assignee: *See*— Gorin, Everett.

Pittsburgh Plate Glass Company, assignee: *See*— Black, Lloyd V.
Junge, Albert E.
Parker, Earl E.

Pitzl, Gilbert, Eggertsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vinylidene chloride interpolymer as a coating for regenerated cellulose film. 2,570,478, Oct. 9.

Poe Machine and Engineering Company, Inc., assignee: *See*— Herman, Nathan L.

Pollman, Richard B., Detroit, Mich. Hinge. 2,570,479, Oct. 9.

Polymer Corporation, The, assignee: *See*— Stott, Louis L., and Montross.

Pompa, Joseph P., Glendale, Ariz. Machine for frying tortillas. 2,570,374, Oct. 9.

Ponts, Donald F., assignor to The Dow Chemical Company, Midland, Mich. Purification of triaryl phosphates. 2,570,480, Oct. 9.

Pooley, Robert W.: *See*— Daly, Lawrence E., and Pooley.

Powell, Allan F., assignee: *See*— Powell, Walter N.

Powell, Walter N., assignor of one-third to A. F. Powell and one-third to H. Anderson, St. Helens, England. Hand plane having adjustable mouth. 2,570,980, Oct. 9.

Prager, Frank D., Chicago, Ill., and R. Welter, St. Louis, Mo. Solid contact tanks, ducts, and controls for the same. 2,570,590, Oct. 9.

Pratt, Burt C., and P. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Obtaining pigmented films. 2,570,856, Oct. 9.

Press, Irving D.: *See*— Troshkin, Alexander N., and Press.

Press, Raymond H. H.: *See*— Bell, William C., and Press.

Price, Nathan C., Los Angeles, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Fuel control system for turbo power-plants. 2,570,591, Oct. 9.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Co., Waynesboro, Pa. Automatic feed mechanisms. 2,570,592, Oct. 9.

Pringle, Edward R., Menominee, assignor to E. C. Dumas, Marquette, Mich. Movable figured push toy. 2,570,709, Oct. 9.

Pritchett & Gold and E. P. S. Company Limited, assignee: *See*— Honey, Eric M. O., and Hardy.

Priesmeyer, Charles H., Park Ridge, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Switch construction. 2,570,481, Oct. 9.

Pritchard, Clarence L., assignor to Malsbary Manufacturing Co., Oakland, Calif. Mixing regulator. 2,570,373, Oct. 9.

Proctor Electric Company, assignee: *See*— Turner, Charles R.

Products & Licensing Corporation, assignee: *See*— Toulon, Pierre M. G.

Pruitt, George E., Arvada, Colo. Front wheel dolly for trailers. 2,570,482, Oct. 9.

Pryor, Paul L., Osborn, Ohio. Making optical pellicles. 2,570,273, Oct. 9.

Psaila, John, Los Angeles, Calif. Vertical axis circular swing. 2,570,981, Oct. 9.

Pullman-Standard Car Manufacturing Company, assignee: *See*— Murphy, Frank L., and Candlin.

Pullon, Russell C., assignor to M. A. Cogliandro, Los Angeles, Calif. Thread-cutting tool. 2,570,483, Oct. 9.

Punte, William F.: *See*— Benson, George A., Coyle, and Punte.

Purpura, Liborio, Wheeling W. Va. Vise having swivel jaw clamped to base in proportion to clamping pressure on workpiece. 2,570,857, Oct. 9.

Puschelberg, George C., Dearborn, and W. B. Cooksey, Detroit, Mich. Blood strainer. 2,571,059, Oct. 9.

Quinlan, Amos L.: *See*— Juvinall, James W., and Quinlan.

Quinn, Paul J., South Orange, N. J. Variable pitch propeller. 2,570,484, Oct. 9.

Quinteros, Eduardo F., Cordoba, Argentina. Pluviometer. 2,570,710, Oct. 9.

Quist, Harvey L., St. Croix Falls, Wis. Electrical heating means for silos. 2,570,376, Oct. 9.

R & W Instrument Co., assignee: *See*— Wapner, Joseph S.

Radest, Franklin P.: *See*— Wapner, Joseph S.

Radio Corporation of America, assignee: *See*— Albin, Frederick G.
Anderson, Earl I.
Barton, Loy E.
Braden, Rene A.
Crosby, Murray G.
Davis, Norman E.
De Baun, James R.
Dempsey, John L., and Sonnenfeldt.
Donley, Hugh L., and Wentworth.
Eberhard, Everett, and Endres.
Garner, Lloyd P.
Gluyas, Thomas M., Jr.
Goodrich, Hunter C., Jr.
Gray, George W.
Grosdoff, Igor E.
Hansell, Clarence W.
Keizer, Eugene O., and Landon.
Lindenblad, Nils E.
Masters, Robert W.
Rajchman, Jan A.
Robinson, Harris A.
Rust, Noël M., and Dawson.
Schade, Otto H.
Simpson, Kenneth H.
Smith, John P.

Rajchman, Jan A., Princeton, N. J., assignor to Radio Corporation of America. Frequency analyzer. 2,570,858, Oct. 9.

Ransom, David H., Montclair, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron beam switching tube and system. 2,570,274, Oct. 9.

Rasmussen, Robert, Detroit, Mich., assignor, by mesne assignments, to The Air Preheater Corporation, New York, N. Y. Air preheater control system. 2,570,859, Oct. 9.

Ratcliffe, Temple W.: *See*— Harter, Isaac, Jr., and Ratcliffe.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Manual-reset control device. 2,570,593, Oct. 9.

Read, Arthur, Portland, Oreg., assignor to H. F. Phillips, Piedmont, Calif. Carton. 2,570,982, Oct. 9.

Reading, Oliver S., Washington, D. C. Coordinate setting machine and measuring apparatus. 2,570,275, Oct. 9.

Redding, Charles S., Louisville, Ky. Backboard and hoop toy. 2,570,860, Oct. 9.

Redrow, Allan R.: *See*— Williams, Beverly E., and Redrow.

Reed, John C., Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Beacon modulator circuit. 2,571,060, Oct. 9.

Rehels Company, Inc., assignee: *See*— Govett, Thomas, and Almquist.

Reierson, John E., Baltimore, Md. Fire control system. 2,570,276, Oct. 9.

Reiff, Orland M.: *See*— Otto, Ferdinand P., Reiff, and Barrett.

Reilly, Fred, Los Angeles, Calif. Radiator ornament. 2,570,983, Oct. 9.

Reinhard, George F., Jr.: *See*— Wall, Daniel J., and Reinhard.

Reinhard, John B., assignee: *See*— Hartman, John F.

Remington Arms Company, Inc., assignee: *See*— Crittendon, Lexie R.
Yost, Kenneth J.

Rempel, Dietrich G., assignor to Rempel Manufacturing, Inc., Akron, Ohio. Toy vehicle. 2,570,711, Oct. 9.

Rempel Manufacturing, Inc., assignee: *See*— Rempel, Dietrich G.

Resistoflex Corporation, assignee: *See*— Troshkin, Alexander N., and Press.

Revukas, Anthony J., Cranford, assignor to Tide Water Associated Oil Company, Bayonne, N. J. Fuel compositions. 2,570,377, Oct. 9.

Reyenga, Arnold J., Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ambient pressure-responsive clamping means. 2,570,984, Oct. 9.

Reymersholms Gamla Industri Aktiebolag, assignee: *See*— Lennetröm, Karl V.

Reynolds, Ellwood W., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Reel spindle. 2,571,061, Oct. 9.

Rhine, Fred A., Augusta, Kans. Tray fence. 2,570,712. Oct. 9.

Ricards, Harold A., Jr., Cranford, and J. W. Ryder, Watchung, N. J., assignors to Standard Oil Development Company. Sweetening process. 2,570,277, Oct. 9.

Richmond, Henry H., Pittsburgh, Pa., assignor to United States Rubber Company, New York, N. Y. Preparation of dialkylacetals of aceto-acetaldehyde. 2,570,713, Oct. 9.

Ridler, Desmond S., and L. R. Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric signaling system. 2,570,279, Oct. 9.

Rieber, Frank, assignor to Interval Instruments, Inc., New York, N. Y. Electrical sorting system. 2,570,485, Oct. 9.

Riemenschneider, Edmund W., and W. C. Anderson, assignors to The Union Metal Manufacturing Company, Canton, Ohio. Separable pole clamp. 2,570,985, Oct. 9.

Riley, Roy J., Tulsa, Okla. Removable window sash. 2,570,986, Oct. 9.

Rinehart, Alan G., New York, N. Y. Ornament for slide fasteners. 2,570,378, Oct. 9.

Riverside Mills, assignee: *See*— Cone, Ralph R.

Roberts, Ingham S., Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Deflection tensiometer. 2,570,486, Oct. 9.

Roberts, John B.: *See*— Downing, Frederick B., and Roberts.

Robinson, Albert P., Seattle, Wash. Chimney pit door. 2,570,714, Oct. 9.

Robinson, Harold A., and H. A. Humble, assignors to The Dow Chemical Company, Midland, Mich. Sacrificial anode system for protecting metals in sea water. 2,571,062, Oct. 9.

Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Automatic gain control circuit. 2,570,715, Oct. 9.

Robinson, Heber O., Salt Lake City, Utah. Strip coating machine. 2,570,379, Oct. 9.

Robison, Kenneth L.: *See*— Michael, Pierre L., and Robison.

Rochester, Nathaniel, Milton, Mass., assignor to Sylvania Electric Products Inc. Signal transmission network. 2,570,716, Oct. 9.

Rockwell, Ronald J., assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio. Display card exhibiting device for television broadcasting. 2,570,594, Oct. 9.

Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear polymers which have formal-containing extralinear substituents and which are obtained from monoethylenically unsaturated compounds. 2,570,861, Oct. 9.

Roemer, Louise E., assignee: *See*— Duerr, Carl F., Jr.

Roemer, Ralph R., assignee: *See*— Duerr, Carl F., Jr.

Roffman, Eugene, Philadelphia, Pa. Automatic fire-detecting and extinguishing apparatus. 2,570,280, Oct. 9.

Romero, Frederick B., Washington, D. C. Jet-propelled vessel. 2,570,595, Oct. 9.

Ronceray, Robert A. M., Thiais, France. Machine for the continuous manufacture of casting molds. 2,570,71 Oct. 9.

Rooney, John L., Maywood, Ill. Eyeglasses. 2,570,718. Oct. 9.

Roos, Charles J., Muskegon, Mich. Flexible pane and screen sash. 2,570,597, Oct. 9.

Roos, Charles J., Muskegon, Mich. Shock resistant fireplace. 2,570,598, Oct. 9.

Rose, Edward P., Syracuse, N. Y. Stocking aligner. 2,570,987, Oct. 9.

Roseman, Reuben: *See*— Eisenberg, Harry, Allan, and Roseman.

Rosenkrans, Frank A., Bridgeport, and E. A. Wagner, Stratford, Conn., assignors to General Electric Company. Fluid pump with direction responsive impeller blades. 2,570,862, Oct. 9.

Rosier, Alfred M., Lynbrook, N. Y. Toothbrush holder. 2,570,380, Oct. 9.

Ross, Charles G., Southwick, England. Holder for cosmetics and the like. 2,570,596, Oct. 9.

Ross, William E., and E. B. Fountain, Berkeley, Calif, assignors to Shell Development Company, San Francisco, Calif. Temperature control during exothermic reactions. 2,570,487, Oct. 9.

Roth, Lloyd J.: *See*— Southern, John A., Roth, Licata, and Cunder.

Roth, William A., St. Paul, Minn. Vane type hydraulic clutch. 2,571,063, Oct. 9.

Roughsedge, Robert H., Ramsey, N. J., and H. G. Lustig, Long Island City, N. Y., assignors to Celanese Corporation of America. Stop motion for textile machines. 2,570,381, Oct. 9.

Rowe, Lawrence A., Oak Park, assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Lock nut. 2,570,863, Oct. 9.

Rowlson, Robert P., Detroit, Mich. Mixing machine. 2,570,864, Oct. 9.

Royal Manufacturing Company, Inc., assignee: *See*— Senderowitz, Morris H.

Rozett, Benjamin, Chicago, Ill., assignor to Joseph Weidenhoff, Inc. Engine accessory testing method and apparatus. 2,570,488, Oct. 9.

Ruberoid Co., The, assignee: *See*— Abraham, Herbert.

Rudel, Harry W., Roselle Park, and A. D. Kirshenbaum, Union, N. J., assignors to Standard Oil Development Company. Foam suppressed lubricant compositions. 2,570,719, Oct. 9.

Ruetting, William, Detroit, Mich. Leg brace knee joint. 2,570,382, Oct. 9.

Rumpf, Martin H., Uccle-Brussels, assignor to "Le Progrès Industriel, Société Anonyme," Loth, Belgium. Apparatus for screw cutting and feeds for machine tools. 2,570,720, Oct. 9.

Russell, John D., Franklin, assignor to Joy Manufacturing Company, Pittsburgh, Pa. Safety control means for timber setting machines. 2,570,383, Oct. 9.

Russell, Mark N., and W. F. Zimmerman, assignors to Pass & Seymour, Inc., Syracuse, N. Y. Snap switch mechanism. 2,570,281, Oct. 9.

Russell, Motie L., Huntington, W. Va. Can opener. 2,570,721, Oct. 9.

Russell, Titus, Albion, Mich. Mold for concrete blocks and the like. 2,570,384, Oct. 9.

Rust, John B., assignor of one-half to Montclair Research Corporation, Montclair, N. J., and one-half to Ellis-Foster Company. Addition products of esters comprising a polyhydric alcohol esterified with drying oil acids and an alkenol-dicarboxylic acid monoester and making same. 2,570,385, Oct. 9.

Rust, Noël M., and L. H. Dawson, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Aerial array and feeder arrangement for use therewith. 2,570,599, Oct. 9.

Rutter, Ralph P.: *See*— Fobes, Ernest E., and Rutter.

Rychwalski, Vernon W., assignor of fifty per cent to W. T. Barrett, Rochester, N. Y. Steering wheel brake. 2,570,988, Oct. 9.

Ryder, James W.: *See*— Ricards, Harold A., Jr., and Ryder.

Ryder, James W., Watchung, N. J., assignor to Standard Oil Development Company. Sweetening process using alkali metal hydroxide containing high-boiling mercaptan salts. 2,570,278, Oct. 9.

Ryder, Norris S., Chicago, Ill. Comparator. 2,570,489, Oct. 9.

Saad, E. N., assignee: *See*— Basbore, Homer H.

Saad, S. J., assignee: *See*— Basbore, Homer H.

Sabo, Louis R., Mariemont, Ohio. Swing-away lavatory stool. 2,570,865, Oct. 9.

Sackner Products, Inc., assignee: *See*— Wall, Daniel J., and Reinhard.

Sager, William F., Cambridge, Mass., assignor to The Texas Company, New York, N. Y. Production of thiophene compounds from a sulfur dioxide and hydrogen sulfide mixture. 2,570,722, Oct. 9.

Salzberg, Paul L.: *See*— Pratt, Burt C., and Salzberg.

Samcoe Holding Corporation, assignee: *See*— Butterworth, Harry W., Jr., S. and M. Cohn, and Walter.

Sandy, James J.: *See*— Christensen, William E., Smith, and Sandy.

Sargent, Donald E., and G. W. Pedlow, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Reduction of nitroaryl compounds. 2,570,866, Oct. 9.

Sargrove Electronics Limited, assignee: *See*— Sargrove, John A.

Sargrove, John A., Shepperton-on-Thames, assignor of one-half to Sargrove Electronics Limited, Tolworth, England. Apparatus for metallizing articles. 2,570,600, Oct. 9.

Satterfield, Isaac, Cedar Grove, N. C. Detachable chair bottom. 2,570,725, Oct. 9.

Saums, Harry L., Mukegon, Mich., assignor to Anaconda Wire and Cable Company. Wire coating composition. 2,570,490, Oct. 9.

Scardina, Anthony J., Chicago, Ill. Toilet tissue cabinet. 2,570,491, Oct. 9.

Scarth, Virgil, Bartlesville, Okla., assignor to Phillips Petroleum Company. Drilling fluids and using same. 2,570,492, Oct. 9.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television system. 2,570,723, Oct. 9.

Schaefer, Charles F., Westport, Conn. Mounting for stencil screens. 2,571,064, Oct. 9.

Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Crystal formation and precipitation. 2,570,867, Oct. 9.

Schaible, Theodore G., Mountain View, N. J., assignor of one-half to H. G. Kendall, Brooklyn, N. Y., and one-half to G. H. Fritzinger, West Orange, N. J. Tape dispenser. 2,570,724, Oct. 9.

Scheg, Marcian A., assignor to General Railway Signal Company, Rochester, N. Y. Broken-down joint protection in coded track circuit signaling systems. 2,570,868, Oct. 9.

Scheller, Arthur P., Union, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Blowpipe rod feed mechanism. 2,570,386, Oct. 9.

Schletter, Richard E., Oak Lane, assignor to Textile Machine Works, Wyomissing, Pa. Reciprocating yarn carrier. 2,570,387, Oct. 9.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Production of resins from butadiene monoxide and from mixtures of butadiene monoxide and vinyl compounds. 2,570,601, Oct. 9.

Schmidt, Gerrit, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee. Manufacturing thin wires. 2,570,869, Oct. 9.

Schmidt, Lebertus-Willem, The Hague, Netherlands. Friction gearing with an adjustable gearing ratio. 2,570,493, Oct. 9.

Schmitt, Otto H., Port Washington, and J. H. Hildy, Garden City, N. Y., assignors to the United States of America as represented by the Secretary of the Navy. Electrical bridge compensation system for magnetometers. 2,570,870, Oct. 9.

Schneider, William A., Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic machine for metering and applying adhesive to diaphragms. 2,571,065, Oct. 9.

Schouwenaars, Marcel A., Edegem-Antwerp, L. A. Van de Straete, Mortsel-Antwerp, and O. H Van den Broele, Wilrijk-Antwerp, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium. Supersensitized silver halide emulsions containing a meso-alkoxyl substituted carbocyanine and a 2,2' cyanine. 2,570,494, Oct. 9.

Schreiber, Carl W., Toledo, Ohio, assignor to General Glass Equipment Co., Atlantic City, N. J. Finishing glassware. 2,571,066, Oct. 9.

Schrimpe, Conrad F., Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Acetone resin. 2,570,389, Oct. 9.

Schroeder, Carleton B., assignee: *See*—
Harvey, Charles D.

Schuldt, La Verne M., Stickney, S. Dak. Trunk lid lock for automobiles. 2,570,390, Oct. 9.

Schultz Die Casting Company, assignee: *See*—
Holmes, Burton F., and Heindel.

Schulze, Arthur R., Westmont, Pa., assignor to United States Steel Company. Rail fastening device. 2,570,871, Oct. 9.

Scophony Corporation of America, assignee: *See*—
Wikkenhauser, Gustav.

Scott-Atwater Manufacturing Company, assignee: *See*—
Bandli, John C.

Scott, Norman D., Sanborn, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of organic chlorides. 2,570,495, Oct. 9.

Sears, Roebuck and Co., assignee: *See*—
Condon, John C., and Felix.

Seckendorf, Hugo, Albany, N. Y. Automobile jack. 2,571,067, Oct. 9.

Seeger, Doris R., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Halogenated substituted pteridines. 2,570,391, Oct. 9.

Seeger, Doris R., Bound Brook, and D. B. Cosulich, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Halogenation of substituted pteridines. 2,570,392, Oct. 9.

Seelig, Richard P., Elmhurst, assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y. Apparatus for forming powder metallurgy parts. 2,570,989, Oct. 9.

Segee, James E., Lawrence, and W. J. Gosselin, Methuen, Mass., assignors to U. S. Bobbin & Shuttle Co., Providence, R. I. Shuttle. 2,570,872, Oct. 9.

Seibert, Ernest H., assignor to Autopoint Company, Chicago, Ill. China marking pencil. 2,570,496, Oct. 9.

Seiden, Herman L., assignor to R. T. Moloney, Chicago, Ill. Relay with mechanical hold-in. 2,571,068, Oct. 9.

Selas Corporation of America, assignee: *See*—
Henwood, James B.

Senderowitz, Morris H., assignor to Royal Manufacturing Company, Inc., Allentown, Pa. Undergarment. 2,570,497, Oct. 9.

Senderowitz, Morris H., assignor to Royal Manufacturing Company, Inc., Allentown, Pa. Undergarment. 2,570,498, Oct. 9.

Servomechanisms, Inc., assignee: *See*—
Muller, Wolf F.

Seybold, Frederick W., Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y. Paper cutter. 2,570,873, Oct. 9.

Shakespeare Products Company, assignee: *See*—
Gerry, William R.

Shanks, Ruth B., Le Roy, N. Y. Baby bed. 2,570,393, Oct. 9.

Shawver, Ernest F., Houston, Tex. Calibrated traveling band radio indicator or dial. 2,570,602, Oct. 9.

Shearman, Russell M., North Hollywood, Calif. Artificial snow machine. 2,571,069, Oct. 9.

Shell Development Company, assignee: *See*—
Fay, Charles H., and Goodell.
Ross, William E., and Fountain.

Shoemaker, Harry F., Tulsa, Okla. Tank cleaner. 2,570,603, Oct. 9.

Shults, Edwin S., Kansas City, Mo. Steam induction device for manifolds. 2,570,394, Oct. 9.

Shumaker, John F., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure braking system. 2,570,874, Oct. 9.

Siegal, Norman A., assignor to Irvin Swartzberg, Chicago, Ill. Article sorting apparatus. 2,570,395, Oct. 9.

Siegerist, Walter, University City, Mo. Mounting for sheaves and the like. 2,570,604, Oct. 9.

Siemens Brothers & Company, Limited, assignee: *See*—
Bryan, Ernest A.

Sigma Pumps, National Corporation, assignee: *See*—
Kardhordo, Eugen.

Sigmund, Miroslav, Gosforth, England. Water sprayer. 2,570,605, Oct. 9.

Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Starch titanium reaction product. 2,570,499, Oct. 9.

Signode Steel Strapping Company, assignee: *See*—
Moon, John M.

Silent-Flame Manufacturing Co., Inc., assignee: *See*—
Walshin, Murray.

Simmons, Milton, Detroit, Mich. Spring mounting for chair seats and the like. 2,570,396, Oct. 9.

Simon, Harolde M., New Hartford, assignor to Utica Radiator Corporation, Utica, N. Y. Hinged door for furnaces and the like. 2,571,070, Oct. 9.

Simpson, Kenneth H., Maplewood, N. J., assignor to Radio Corporation of America. Damper bar for filamentary cathodes. 2,570,606, Oct. 9.

Sinclair Refining Company, assignee: *See*—
Smith, Reading B.

Sink, Robert L., Altadena, Calif., assignor to General Electric Company. Sweep wave generating circuits. 2,570,875, Oct. 9.

Slonneger, Bruce K., Dayton, Ohio. Sheet holder. 2,570,397, Oct. 9.

Slooff, Florus C. W.: *See*—
Bourgonjon, Louis R., Horowitz, Kiels, Slooff, van Tol, and Unk.

Sloyer, Elwood R., Nazareth, Pa. Label gluing and attaching apparatus, especially for association with gluing machines. 2,570,876, Oct. 9.

Smith, Alice L., assignee: *See*—
Kern, Charles L.

Smith-Chapman, Inc., assignee: *See*—
Chapman, George E.

Smith, George L., assignor to Thermo Brakes Corporation, Washington, D. C. Automatic adjusting mechanism for brakes. 2,570,398, Oct. 9.

Smith, Harvey J., Greensboro, N. C. Cabinet closure locking means. 2,571,071, Oct. 9.

Smith, Henry J., Peconic, N. Y. Retractable sun visor. 2,570,399, Oct. 9.

Smith, James, & Son Inc., assignee: *See*—
Christensen, William E., Smith, and Sandy.

Smith, John P., Cranberry, N. J., assignor to Radio Corporation of America. Radar system with gating and synchronized recorder. 2,570,500, Oct. 9.

Smith, Paul V., Jr.: *See*—
Carlson, Carl S., and Smith.

Smith, Reading B., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Vacuum distillation of reduced crude. 2,570,607, Oct. 9.

Smith, William B.: *See*—
Christensen, William E., Smith, and Sandy.

Smith, William W., assignor to Hyster Company, Portland, Oreg. Conveyance loading aparatus. 2,570,726, Oct. 9.

Snyder, Clermont J., Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company. Creep-resistant lead base alloys. 2,570,501, Oct. 9.

Soave, John G., assignor to Waldes Kohlinoor, Inc., Long Island City, N. Y. Slide fastener. 2,571,072, Oct. 9.

Societe Anonyme des Manufactures des Glaces et produits Chimiques de Saint-Gobain: *See*—
Dupont, Paul.

Societe Rateau (Société Anonyme), assignee: *See*—
Anxionnaz, René, and Imbert.
Imbert, Roger J.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Glammaria, John J.
Otto, Ferdinand P., Reiff, and Barrett.

Sonette Company, assignee: *See*—
Bashore, Homer H.

Sonnenfeldt, Richard W.: *See*—
Dempsey, John L., and Sonnenfeldt.

Southern, John A., and L. J. Roth, United States Army, F. J. Licata, West Caldwell, N. J., and J. Cunder, United States Army, assignors to the United States of America as represented by the Secretary of War. Fuel compositions and their preparation. 2,570,990, Oct. 9.

Specialties Development Corporation, assignee: *See*—
Wentz, Edward A.

Speck, C. Harold, Massilon, H. L. Carr, Canton, and R. A. Yoder, Orville, Ohio. Adjustable floor leveling device. 2,570,282, Oct. 9.

Spengler, Ralph A., Cleveland, Ohio. Pump governor. 2,570,727, Oct. 9.

Sperry Corporation, The, assignee: *See*—
Kenyon, David E.
Lester, John M.
Umsted, Carleton G., and De Luca.

Sperry Products, Inc., assignee: *See*—
Crawford, Ernest A.

Spiegel, Stanley, New York, N. Y., assignor of one-half to Electronic Systems Corporation. Venetian blind. 2,570,608, Oct. 9.

Spiller, Richard F.: *See*—
Wilkin, Lewis G., and Spiller.

Spinelli, Louis, Paterson, N. J. Textile handling. 2,570,877, Oct. 9.

Stahl, William F., assignee: *See*—
Collins, Fred V.

Standard Oil Development Company, assignee: *See*—
Carlson, Carl S., and Smith.
Richards, Harold A., Jr., and Ryder.
Rudel, Harry W., and Kirshenbaum.
Ryder, James W.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Zeidler, Kurt E.

Stanworth, John E., and A. E. Dale, Sheffield, England, assignors to General Electric Company. Glass compositions. 2,570,878, Oct. 9.

Steel, Frank R., Wilmette, Ill. Thermometer for fishermen. 2,570,879, Oct. 9.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, Frank H.

Stein, Edward H., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Kerf-cutting mining machine. 2,570,400, Oct. 9.

Stein, Richard G., Croton-on-Hudson, N. Y. Sofa bed. 2,570,401, Oct. 9.

Stellinger, Mogens F., assignor to The Cromma Company, Copenhagen, Denmark. Self-adjusting wrench for nuts or like polygonal objects. 2,570,991, Oct. 9.

Stenning, Luis C., Ealing, assignor to The General Electric Company, Limited, London, England. Radio beacon for aircraft. 2,570,880, Oct. 9.

Sterling Drug Inc., assignee: *See*—
Surrey, Alexander R., and Cutler.

Sterlingworth Company, assignee: *See*—
Medlar, Lewis A.

Stevens, Donald R., Wilkinsburg, and A. C. Dubbe, Springdale, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Antioxidants for oils and oil compositions containing the same. 2,570,402, Oct. 9.

Stevens, Donald R., Wilkinsburg, and S. C. Camp, Richland Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Stabilization of phenol alkylates by amines. 2,570,403, Oct. 9.

Stevens, Raymond E., Delavan, Wis. Portable sanitary water dispenser for athletic teams, with means for storing new and used cups. 2,570,283, Oct. 9.

Stewart, Bertram H., New York, N. Y. Plier type friction-cap remover. 2,570,881, Oct. 9.

Stiles, Alvin B., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of a sintered cobalt oxide pelleted catalyst. 2,570,882, Oct. 9.

Stirlen, Morley W., assignor of one-third to C. C. Hagermann and one-third to F. W. Hermann, Muscatine, Iowa. Mother-of-pearl fishing lure. 2,570,404, Oct. 9.

Stith, Gordon L., assignee: *See*—
Hanson, Henry M.

Stivín, Jiří, Celakovice, near Prague, Czechoslovakia, Elimination of deformation during surface hardening. 2,570,883, Oct. 9.

Stop-Motion Devices Corp., assignee: *See*—
Vossen, Edward.

Storey, William D., Chattanooga, Tenn. Muffler with frusto-conical baffle and removably disposed perforated extension tube. 2,570,728, Oct. 9.

Stott, Louis L., and E. E. Montross, assignors to The Polymer Corporation, Reading, Pa. Equipment for molding elongated articles from plastic materials. 2,570,284, Oct. 9.

Stover, Harry E., assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio. Machine for inspecting glass containers and the like. 2,570,729, Oct. 9.

Stroop, David V., Glenbrook, Conn. Holder for coins and similar articles. 2,571,073, Oct. 9.

Stroud, Nolan A., Abilene, Tex. Rung anchor for ladders. 2,570,730, Oct. 9.

Suddarth, Judson N.: *See*—
Miskin, Renold A., and Suddarth.

Sumpter, Walter F.: *See*—
Bieber, Clarence G., and Sumpter.

Sun Oil Company, assignee: *See*—
Pearson, John M.
White, Chester N.

Sundberg, Rudolph, Seward, Territory of Alaska. Seine pursing device. 2,570,285, Oct. 9.

Super Mold Corporation of California, assignee: *See*—
Fannen, John J.

Superior Switchboard & Devices Company, The, assignee: *See*—
Clough, Charles A., Trier, and Murphy.

Superior Weatherproof Corporation, assignee: *See*—
Bond, John N.

Surber, Otis B., Los Angeles, Calif. Click attachment for fishing reels. 2,570,884, Oct. 9.

Surine, William R., assignor to The Dow Chemical Company, Midland, Mich. Preparation of salicylamide. 2,570,501, Oct. 9.

Surrey, Alexander R., Albany County, and R. A. Cutler, Rensselaer County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del. Tertiary-amino-2-aryl-2-(4-quinolyl) alkane-nitriles and their preparation. 2,570,286, Oct. 9.

Susnow, Saul H., Los Angeles, Calif. Cornice bracket. 2,570,731, Oct. 9.

Swartzberg, Irvin, assignee: *See*—
Siegal, Norman A.

Swerdlow, Nathan, Philadelphia, and G. G. Abel, Media, Pa., assignors to General Electric Company. Electric bus support. 2,570,885, Oct. 9.

Swift & Company, assignee: *See*—
Williams, Beverly E., and Redrow.

Sylvania Electric Products, Inc., assignee: *See*—
Ishler, Harry K.
Rochester, Nathaniel.

Tabet, Georges E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. 7-chloro-6-ethoxy-3-heptenoic acid nitrile. 2,570,886, Oct. 9.

Tabet, Georges E., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Dichloro-dialkoxy dodecadienes. 2,570,887, Oct. 9.

Talamini, Arthur J., Jr.: *See*—
Mulligan, James R., Jr., and Talamini.

Tandler, William S., and D. S. Walker, assignors to Industrial Scientific Company, New York, N. Y. System for controlling the operation of machining and cutting devices. 2,570,405, Oct. 9.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparing esters of amine-substituted phosphonic acids. 2,570,503, Oct. 9.

Taylor, Glen A., Crosby, Minn. Ice chisel. 2,570,732, Oct. 9.

Taylor, Philip L., Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas blast circuit breaker with trap for products of arcing. 2,570,610, Oct. 9.

Taylor, Robert H.: *See*—
Muskat, Irving E., and Taylor.

Taylor, Robert W., U. S. Navy. Adjusting means for hydraulic governor compensating springs. 2,570,287, Oct. 9.

Taylor, Smith & Taylor Company, The, assignee: *See*—
Bower, James A.

Taylor, Wood N., Jr., Bernie, Mo. Convertible crib and table. 2,570,609, Oct. 9.

Texas Company, The, assignee: *See*—
Sager, William F.

Textile Machine Works, assignee: *See*—
Kaul, Emil W.
Schletter, Richard E.

Thermo Brakes Corporation, assignee: *See*—
Smith, George L.

Thomas, William A., Chicago, Ill., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis. Hood hinge. 2,570,992, Oct. 9.

Thomas, William G., Medina, N. Y. Receptacle for feeding liquid food to humming birds. 2,570,733, Oct. 9.

Tide Water Associated Oil Company, assignee: *See*—
Revukas, Anthony J.

Tiede, Ralph L., Newark, Ohio, and F. V. Tooley, Urbana, Ill., assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Glass composition. 2,571,074, Oct. 9.

Time, Inc., assignee: *See*—
Leekley, Robert M.

Todd, Francis C., Columbus, assignor, by mesne assignments, to Howard Paper Mills, Inc., Dayton, Ohio. Photoelectric inspection of sheet materials. 2,570,288, Oct. 9.

Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.

Tomassoni, Chester A., assignee: *See*—
Enrico, Raymond J.

Tompkins, J. Everette, assignee: *See*—
Duerr, Carl F., Jr.

Tomunak, John C., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket material and making same. 2,571,075, Oct. 9.

Tooley, Fay V.: *See*—
Tiede, Ralph L., and Tooley.

Toulon, Pierre M. G., Paris, France, assignor to Products & Licensing Corporation, New York, N. Y. Arc prevention system. 2,571,076, Oct. 9.

Touraton, Emile, R. Zwobada, and A. M. Gratsmuller, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Velocity modulated beam tubes with reflector electrodes. 2,570,289, Oct. 9.

Towne, Robert W., Baden Station, assignor to Monsanto Chemical Company, St. Louis, Mo. Breaking petroleum emulsions. 2,570,611, Oct. 9.

Travelers Equipment Co., assignee: *See*—
Balkema, Bertrand B.

Trier, Raymond T.: *See*—
Clough, Charles A., Trier, and Murphy.

Troshkin, Alexander N., Nutley, and I. D. Press, Union, assignors to Resistoflex Corporation, Belleville, N. J. Swivel coupling. 2,570,406, Oct. 9.

Trubenizing Process Corporation, assignee: *See*—
Loew, Theodore.

Turner, Charles R., Enfield, Springfield Township, Montgomery County, assignor to Proctor Electric Company, Philadelphia, Pa. Pressure cooker. 2,570,993, Oct. 9.

Turner, Harold H., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. One-way clutch. 2,570,290, Oct. 9

Tyerman, William, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Extractive distillation of methylamines. 2,570,291, Oct. 9.
Umsted, Carleton G., Northport, and D. De Luca, Brooklyn, N. Y., assignors to The Sperry Corporation. Cam pin mechanism. 2,570,292, Oct. 9.
Underwood, Garfield J., Broadalbin, and A. J. Ammerall, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 2,571,077, Oct. 9.
Underwood, Garfield J., Broadalbin, and A. J. Ammerall, assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Pile fabric. 2,571,087, Oct. 9.
Union Asbestos & Rubber Company, assignee: *See*—
O'Connor, Arthur F.
Union Carbide and Carbon Corporation, assignee: *See*—
Bohnet, William J., and Bagley.
Scheller, Arthur P.
Schrimpe, Conrad F.
Wolf, Raymond A.
Union Metal Manufacturing Company, The, assignee: *See*—
Riemenschneider, Edmund W., and Anderson.
United Aircraft Corporation, assignee: *See*—
Dow, Arthur L., and Nelson.
United Engineering & Foundry Company, assignee: *See*—
Biggert, Florence C., Jr.
United Shoe Machinery Corporation, assignee: *See*—
Knowlton, Cutler D.
Meyer, Vernon H., and Ferguson.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Downing, Frederick B., and Roberts.
Beyenga, Arnold J.
U. S. Bobbin & Shuttle Co., assignee: *See*—
Segee, James E., and Gosselin.
United States Rubber Company, assignee: *See*—
Barton, Bernard C.
Daly, Lawrence E., and Pooley.
Myers, Gordon S.
Richmond, Henry H.
Tawney, Pliny O.
United States Steel Company, assignee: *See*—
Schulse, Arthur R.
Universal Oil Products Company, assignee: *See*—
Bloch, Herman S.
Gerald, Curtis F., and Donaldson.
Linn, Carl B.
Schmerling, Louis.
Watkins, Charles H.
Unk, Jacob M.: *See*—
Bourgonjon, Louis R., Horowitz, Kleis, Slooff, van Tol, and Unk.
Upjohn Company, The, assignee: *See*—
Weisblat, David I., and Lyttle.
Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Reactions involving the use of hydrogen halides. 2,570,407, Oct. 9.
Urie, Willis N., Santa Monica, Calif. Automatic lens diaphragm control mechanism for process cameras. 2,570,888, Oct. 9.
Utica Radiator Corporation, assignee: *See*—
Simon, Harold E. M.
Vadnais, Charles L., St. Paul, Minn. Fishing device. 2,570,293, Oct. 9.
Vâhl, Lâszlô, Muiderberg, assignor to Werkspoor N. V., Amsterdam, Netherlands. Method and apparatus for removing the crusts of the cooling elements of a continuously operating crystallizer. 2,570,612, Oct. 9.
Van den Broele, Oscar H.: *See*—
Schouwenaars, Marcel A., Van de Straete, and Van den Broele.
Van de Straete, Leo A.: *See*—
Schouwenaars, Marcel A., Van de Straete, and Van den Broele.
Van Gordel, Norman, Scotch Plains, W. Horback, Irvington, and A. F. Caprio, Madison, N. J., assignors to Celanese Corporation of America. Producing mercurous chloride crystals. 2,570,408, Oct. 9.
Van House, Kenneth J., Burton, Wash. Golf club buggy. 2,570,504, Oct. 9.
Van Hove, Desire H., Northville, Mich., assignor to Falls Spring & Wire Company, Detroit, Mich., and Great Lakes Spring Corporation, Chicago, Ill. Seat back cushion spring construction. 2,570,409, Oct. 9.
Van Lammeren, Wilhelmus P., Voorschoten, Netherlands. Fluid impact coupling and clutch. 2,570,889, Oct. 9.
Van Mierlo, Stanislas, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Frequency selective network arrangement. 2,570,294, Oct. 9.
Vantine, Harry, Jr., Dayton, Ohio. Parachute safety opener. 2,570,295, Oct. 9.
Van Tol, Martinus: *See*—
Bourgonjon, Louis R., Horowitz, Kleis, Slooff, van Tol, and Unk.
Vaughan, William E., Jr., New York, and J. C. Legler, Merrick, N. Y. Device for aligning sheets. 2,570,994, Oct. 9.
Veitch, Albert H.: *See*—
Hammerly, Herman J., and Veitch.
Versinkere Bruder Bablik, assignee: *See*—
Bablik, Heinz.
Vetter, Otto B., McKeesport, assignor to Hagan Corporation, Pittsburgh, Pa. Compensated measuring apparatus. 2,570,410, Oct. 9.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,570,411, Oct. 9.
Vickers Incorporated, assignee: *See*—
Busson, Ambrose L.
Harrington, Ferris T.
Klessig, Ernst.
Vickers, Harry F.
Victor Manufacturing & Gasket Co., assignee: *See*—
Tomunak, John C.
Vinal, Leroy W., Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Degating device for plastic molds. 2,570,613, Oct. 9.
Vogel, Rudolf, Bridgeport, Conn. Combination container and handle for razor blades, brushes, or the like. 2,570,412, Oct. 9.
Vollmer, John, Springdale, Conn. Apparatus for feeding, severing, stripping, and bending hooked wire leads. 2,571,078, Oct. 9.
Volpin, Alexander S., Houston, Tex. Automatic sealing gate valve. 2,570,413, Oct. 9.
Vossen, Edward, Lynbrook, assignor to Stop-Motion Devices Corp., Brooklyn, N. Y. Hole and press-off detector with plurality of feelers. 2,570,995, Oct. 9.
Vulcan Corporation, assignee: *See*—
Biddle, William M.
Vulcan Detinning Company, The, assignee: *See*—
Muskat, Irving E., and Taylor.
Wagner, Ernest A.: *See*—
Rosenkrans, Frank A., and Wagner.
Waldes Kohinoor, Inc., assignee: *See*—
Feitl, Rudolf.
Soave, John G.
Waldorf Paper Products Company, assignee: *See*—
Hennessey, Russell J.
Walker, Albert A.: *See*—
Lutsky, Arthur A., and Walker.
Walker, David S.: *See*—
Tandler, William S., and Walker.
Wall, Daniel J., and G. F. Reinhard, Jr., Grand Rapids, Mich., assignors to Sackner Products, Inc. Binding tape. 2,570,614, Oct. 9.
Wallace, George A.: *See*—
Lundberg, John E., and Wallace.
Walshin, Murray, assignor to Silent-Flame Manufacturing Co., Inc., New York, N. Y. Oil burner. 2,570,996, Oct. 9.
Walter, Jules G.: *See*—
Butterworth, Harry W., Jr., S. and M. Cohn, and Walter.
Walti, Alphonse, Westfield, N. J., assignor to Interchemical Corporation, New York, N. Y. Stable histidine ascorbate. 2,570,734, Oct. 9.
Walton, Charles E., New York, N. Y. Golf club bag support. 2,571,088, Oct. 9.
Walton, George, Cincinnati, Ohio. Meta-phthalic acid anhydride and making same. 2,570,890, Oct. 9.
Wanamaker, Robert L.: *See*—
Young, Charles M., and Wanamaker.
Wapner, Joseph: *See*—
Wapner, Joseph S.
Wapner, Joseph S., assignor to F. P. Radest and J. Wapner, co-partners doing business as R & W Instrument Co., Brooklyn, N. Y. Electronic method and apparatus for determining potential unbalance. 2,570,414, Oct. 9.
War, United States of America as represented by the Secretary of, assignee: *See*—
Early, Harold C.
Macnee, Alan B.
Mizen, Carlton A.
Nordsleck, Arnold T.
Reed, John C., Jr.
Southern, John A., Roth, Licata, and Cunder.
Warburton, Ray W., Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrostatic precipitator. 2,571,079, Oct. 9.
Warner & Swasey Company, The, assignee: *See*—
Lange, Max E.
Watkins, Charles H., Brookfield, assignor to Universal Oil Products Company, Chicago, Ill. Removing carbon monoxide from hydrocarbons. 2,570,615, Oct. 9.
Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic system for checking receipt of telegraph messages in numerical order. 2,570,505, Oct. 9.
Watson, Frederick K.: *See*—
Bruner, Walter M., and Watson.
Watter, Michael, Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass. Combination leg rest and reclining seat for vehicles. 2,571,080, Oct. 9.
Watts Regulator Company, assignee: *See*—
Dillon, Wendell M.
Weatherhead, Albert J., Jr., Shaker Heights, assignor to The Weatherhead Company, Cleveland, Ohio. Filler spout protective and sealing arrangement for vehicle luggage compartments. 2,570,506, Oct. 9.
Weatherhead Company, The, assignee: *See*—
Baldwin, John D., Jr., and Crawley.
Paquin, Joseph N.
Weatherhead, Albert J., Jr.

Weaver, William R., and J. M. Breese, El Paso, Tex. Stick dispensing and positioning apparatus. 2,570,891, Oct. 9.
Webb, Irving D.: *See*—
Gresham, William F., and Webb.
Weber Costello Company, assignee: *See*—
Jervis, Wayne T.
Weber, John G., Bryn Mawr, Pa. Elevating device for table tops. 2,570,183, Oct. 9.
Weidenhoff, Joseph, Inc., assignee: *See*—
Rozett, Benjamin.
Weisblat, David I., and D. A. Lyttle, assignors to The Upjohn Company, Kalamazoo, Mich. Amino acid synthesis. 2,570,297, Oct. 9.
Weise, Carl A., Kansas City, Mo. Flexible joint for artificial limbs. 2,570,735, Oct. 9.
Weiss, Harry, Philadelphia, Pa. Automatic rivet punch. 2,570,296, Oct. 9.
Welsh, Robert J., Rugby, assignor to The English Electric Company Limited, London, England. Variable distribution of fuel spray for direct fuel injection internal-combustion engines. 2,570,616, Oct. 9.
Welter, Roy: *See*—
Prager, Frank D., and Welter.
Wentworth, Chandler: *See*—
Donley, Hugh L., and Wentworth.
Wentz, Edward A., Jersey City, assignor to Specialties Development Corporation, Belleville, N. J. Yarn tensioning device. 2,570,617, Oct. 9.
Werkspoor N. V., assignee: *See*—
Vâhl, Lâszlô.
Werman, A., & Sons, Inc., assignee: *See*—
Hoffenberg, Isidor.
Werner, Edward, Los Angeles, Calif., assignor to North American Aviation, Inc. Nut and plate temporary fastener. 2,570,618, Oct. 9.
West, Samuel H., Sault Sainte Marie, Ontario, Canada. Mattress. 2,570,736, Oct. 9.
Western Electric Company, Incorporated, assignee: *See*—
Clifford, Harry W.
Davis, Charles C.
Ertner, Edward W.
Fitch, Hugh, and Gillis.
Hauser, Frederick.
Juvinall, James W., and Quinlan.
Meylich, Milton J.
Moss, Earl C.
Reynolds, Ellwood W.
Schneider, William A.
Westinghouse Electric Corporation, assignee: *See*—
Warburton, Ray W.
Wheeler, Phillip R., Alexandria, Va. Gyroscopically controlled electrical gunsight. 2,570,298, Oct. 9.
Whitaker, Fred, Company, assignee: *See*—
Bauer, Jackson.
Whitcomb, Charles E., Bayside, assignor to himself and H. O'Brien, New York, N. Y. Marionette actuating and controlling apparatus. 2,570,737, Oct. 9.
White, Chester N., Ridley Park, assignor to Sun Oil Company, Philadelphia, Pa. Sealing agents. 2,570,892, Oct. 9.
Whitehouse, Ben, Milwaukee, Wis. Chart support. 2,570,619, Oct. 9.
Whitener, Philip C.: *See*—
Kirkbride, John F., and Whitener.
Whiting Corporation, assignee: *See*—
Metcalf, Irvin R., and Bock.
Wiese, Lee O., Perry, Iowa. Marking gauge for plow shares. 2,570,620, Oct. 9.
Wikkenhauser, Gustav, Wells, England, assignor to Scophony Corporation of America, New York, N. Y. Radio location. 2,570,738, Oct. 9.
Wild, Rudolf F., Wilmington, Del., and F. J. Curran, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,570,739, Oct. 9.
Wilkes, Gilbert, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy. Electronic attenuator for radar. 2,570,893, Oct. 9.
Wilkin, Lewis G., Pleasant Ridge, Cincinnati, and R. F. Spiller, Urbana, Ohio, said Spiller assignor to said Wilkin. Clockless parking meter provided with coin view windows and key actuated release of coin to coin box. 2,571,082, Oct. 9.
Williams, Beverly E., and A. R. Redrow, assignors to Swift & Company, Chicago, Ill. Refrigerated transit van. 2,570,415, Oct. 9.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Indication projector for weighing scales. 2,570,621, Oct. 9.
Willis, Addison O., Columbus, Ohio, assignor to Curtiss-Wright Corporation. Aircraft enclosure operating means. 2,570,622, Oct. 9.
Willman, Philip E., Chicago, assignor to McGraw Electric Company, Elgin, Ill. Coffee maker. 2,570,997, Oct. 9.
Willoughby, Anthony H.: *See*—
Duckett, Gerald C., and Willoughby.
Willsey, John C., Fort Wayne, Ind., assignor to General Electric Company. Multispeed motor. 2,570,894, Oct. 9.
Wilson, Jack C., Garden City, N. Y. Pneumatic racing game apparatus. 2,571,081, Oct. 9.
Wilson, Matthew W., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber to fabric adhesion with mixture of latex and polyamine-polyacid condensation product adhesive. 2,570,895, Oct. 9.
Wilt, Wilmer C., Red Lion, Pa. Condiment holder and dispenser having pressure operated means for dispensing the condiment. 2,571,083, Oct. 9.
Winchester, Albert G., Baltimore, Md., assignor to Gerotor May Corporation. Shift-over valve. 2,570,896, Oct. 9.
Winchester, Albert G., Baltimore, Md., assignor to Gerotor May Corporation. Shuttle valve. 2,570,897, Oct. 9.
Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen.
Wintle, Malcolm F.: *See*—
Earp, Charles W., and Wintle.
Wise, Lawrence, Cedarhurst, assignor to Ever Tick Corporation, Floral Park, N. Y. Ticking toy watch. 2,570,740, Oct. 9.
Wistor, Joe W., Inyokern, Calif. Carburetor air cleaner. 2,570,623, Oct. 9.
Wittman, Joseph J., Detroit, Mich. Piston regrooving tool. 2,570,416, Oct. 9.
Wolf, Raymond A., Maplewood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Burning off hollow glassware. 2,570,899, Oct. 9.
Wolf, Robert J., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Inherently processable interpolymers of vinyl chloride, vinyl aromatic ester, and higher alkyl acrylate. 2,570,900, Oct. 9.
Wolff, Samuel S., Clayton, assignor to Century Electric Company, St. Louis, Mo. Switch for dynamoelectric machines. 2,570,998, Oct. 9.
Wood, Roger H., Tomah, Wis. Nonfreezing oil system. 2,570,898, Oct. 9.
Woolslayer, Homer J., E. A. Campbell, and C. Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa. Mast structure. 2,570,901, Oct. 9.
Wright Aeronautical Corporation, assignee: *See*—
Ovens, William G.
Wulleman, Albert, assignor to Etablissments Paul Duclos Société Anonyme, Le Canet-Marseille, France. Hoisting apparatus. 2,570,417, Oct. 9.
Wyckoff, Ralph D., assignor to Gulf Research & Development Company, Pittsburgh, Pa. Follow-up pneumatic servomotor. 2,570,624, Oct. 9.
Wygal, Calvin A., assignee: *See*—
Chenault, Roy L.
Wygal, Daisy C., assignee: *See*—
Chenault, Roy L.
Yarmak, Julius, Wakefield, England. Gathering and conveying mechanism. 2,571,084, Oct. 9.
Yoder Company, The, assignee: *See*—
Mitten, Raymond F.
Yoder, Ray A.: *See*—
Speck, C. Harold, Carr, and Yoder.
Yoncoski, Edward B., Buffalo, N. Y. Clutch for power winches. 2,570,902, Oct. 9.
Yost, Kenneth J., Westport, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Article feeding means. 2,570,903, Oct. 9.
Young, Charles M., and R. L. Wanamaker, Schenectady, N. Y., assignors to General Electric Company. Automatic pilot. 2,570,905, Oct. 9.
Young, Clarence B. F., Leonia, N. J., assignor to National Southern Products Corporation. Buffing compounds. 2,570,904, Oct. 9.
Young, Farrile S., assignor to Panhandle Eastern Pipe Line Co., Kansas City, Mo. Engine cooling system. 2,570,418, Oct. 9.
Young Iron Works, assignee: *See*—
Lyons, Dan A.
Zademach, Erich R., and W. W. Clarke, Hillside, assignors to Metalwash Machinery Company, Irvington, N. J. Porcelain enameling process. 2,570,299, Oct. 9.
Zech, August E., Albany, N. Y. Trap hook. 2,570,999, Oct. 9.
Zeh, Edward A., assignor to Falstrom Company, Passaic, N. J. Barrel lift. 2,570,741, Oct. 9.
Zeidler, Kurt E., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Resilient car coupler support. 2,570,742, Oct. 9.
Zenith Radio Corporation, assignee: *See*—
Aram, Nathan W.
Aram, Nathan W., and Brown.
Cotsworth, Albert, III.
Zimmerman, Edward C., *See*—
Arenberg, Albert L., and Zimmerman.
Zimmerman, Harry, New York, and V. Zimmerman, Elmhurst, N. Y. Magnetic toy blocks. 2,570,625, Oct. 9.
Zimmerman, Victor: *See*—
Zimmerman, Harry, and V.
Zimmerman, William F.: *See*—
Russell, Mark N., and Zimmerman.
Zwobada, René: *See*—
Touraton, Emile, Zwobada, and Gratzmuller.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Traction drive for liquid treating apparatus. C. H. Nordell. Re. 23,415, Oct. 9.

LIST OF PLANT INVENTIONS

Pear tree. M. A. Cook. 1,044, Oct. 9.

LIST OF DESIGN INVENTIONS

Air conditioning and circulating unit. C. W. Hahl. 164,772, Oct. 9.
Base for an electrical cooking unit. A. S. Knapp. 164,781, Oct. 9.
Basin and utility cabinet, Combination wash. B. F. McMahon. 164,787, Oct. 9.
Board, Cribbage. C. R. Durgin. 164,766, Oct. 9.
Board, Food chopping. R. P. Permenter. 164,804, Oct. 9.
Bottle and holder therefor or similar article, Combined perfume. J. Despres. 164,765, Oct. 9.
Bracelet or the like. A. Philippe. 164,808, Oct. 9.
Bracelet or the like. A. Philippe. 164,816, Oct. 9.
Bracelet or the like, Expansible. S. Meyerson. 164,790, Oct. 9.
Brooch or similar article. A. Philippe. 164,811, Oct. 9.
Cabinet, Refrigerator. J. H. Walter. 164,829, Oct. 9.
Calendar support, Desk. C. B. Woofter. 164,834–5, Oct. 9.
Candle, Personalized wedding anniversary. L. Lion. 164,783, Oct. 9.
Card, Three-dimensional decorative greeting. S. Robins. 164,820, Oct. 9.
Cart, Hospital. A. Koenig. 164,779, Oct. 9.
Case or similar article, Wrist watch. F. Warren. 164,830–2, Oct. 9.
Chain for a bracelet or the like, Expansible link. E. Rodrigues. 164,821, Oct. 9.
Chain for a bracelet or the like, Link. A. Philippe. 164,809–10, Oct. 9.
Chain for a necklace or the like, Link. A. Philippe. 164,806–07, Oct. 9.
Chain for a necklace or the like, Link. A. Philippe. 164,812–13, Oct. 9.
Chain for bracelets or the like, Expansible link. S. Meyerson. 164,791, Oct. 9.
Changeover pressure regulator or similar article. T. A. St. Clair. 164,824, Oct. 9.
Container for soap powder or the like, Dispensing. C. E. Lipton. 164,784, Oct. 9.
Cooking unit, Electrical. A. S. Knapp. 164,780, Oct. 9.
Decorative light bulb or similar article. J. J. Librizzi. 164,782, Oct. 9.
Dehumidifier. H. J. Wolfe and D. O. Crawford. 164,833, Oct. 9.
Dispenser, Telescopic paper cup. G. C. Johnson and A. A. Perelman. 164,775, Oct. 9.
Display figure, Advertising. M. Artmann. 164,757, Oct. 9.
Earring or similar article. A. Philippe. 164,805, Oct. 9.
Fruit and vegetable knife and orange peeler, Combined. N. K. Morris. 164,801, Oct. 9.
Heater and fan casing, Combination electric. C. E. Jones and R. H. Crowle. 164,776, Oct. 9.
Holder, Combined cigarette, pencil, golf tee, and key. F. J. Gubics. 164,771, Oct. 9.
Insect killer, Electronic. J. W. Ragsdale. 164,818, Oct. 9.
Knocker, Door. W. F. Hitchcock. 164,774, Oct. 9.
Lamp or similar article, Television. M. Russo. 164,823, Oct. 9.
Light adapter for sewing machine motors. S. Redlich. 164,819, Oct. 9.
Light shade. G. E. MacFadden. 164,786, Oct. 9.
Lighter, Cigarette. L. Unger. 164,828, Oct. 9.
Massager for the human body, Electric. E. O. Bartolucci. 164,759, Oct. 9.
Necklace or the like. A. Philippe. 164,814–15, Oct. 9.
Necklace or the like. A. Philippe. 164,817, Oct. 9.
Opener, Bottle. C. L. Pandele. 164,803, Oct. 9.
Pair of spectacles or the like. G. A. Brown. 164,760, Oct. 9.
Pencil sharpener. M. Tall. 164,827, Oct. 9.
Plastic film material. M. Obriat. 164,802, Oct. 9.
Pump, Fluid. J. J. Colbert. 164,762, Oct. 9.
Ring, Rosary. W. B. Kelly. 164,777, Oct. 9.
Roughing and finishing center drive lathe. G. A. Kendall and A. W. Chriscaden. 164,778, Oct. 9.
Sawmill machine, Gang. H. A. Busbee. 164,761, Oct. 9.
Shaker or the like, Salt. V. de Marsa. 164,764, Oct. 9.
Shirt or similar article, Man's. J. Melville. 164,789, Oct. 9.
Shower head. I. H. Russell. 164,822, Oct. 9.
Sprinkler, Lawn. E. O. Griswold. 164,770, Oct. 9.
Stand, Smoker's or refreshment. M. K. Fowler. 164,768, Oct. 9.
Stocking. J. Miran. 164,792–800, Oct. 9.
Stocking. S. Sigel. 164,825–6, Oct. 9.
Toy, Animated figure trundle. A. Lustig. 164,785, Oct. 9.
Toy, Animated pull. H. A. Hammelman. 164,773, Oct. 9.
Tray, Canister. J. F. Fleming. 164,767, Oct. 9.
Trellis or similar article, Porch. E. Melerjohan. 164,788, Oct. 9.
Tube circuit tester, Fluorescent. J. B. Cottell and H. S. Starbuck. 164,763, Oct. 9.
Velocipede. K. W. Bader. 164,758, Oct. 9.
Wallet. H. R. Godfrey. 164,769, Oct. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometer unit. C. M. Hathaway. 2,570,672, Oct. 9.
Acetone resin. C. F. Schrimpe. 2,570,389, Oct. 9.
Acrylonitrile polymer spinning. H. A. Bruson and G. S. Hooper. 2,570,201, Oct. 9.
Acyl fluorides, Preparation of. W. F. Gresham and I. D. Webb. 2,570,793, Oct. 9.
Addition products of esters comprising a polyhydric alcohol esterified with drying oil acids and an alkenol-dicarboxylic acid monoester and making same. J. B. Rust. 2,570,385, Oct. 9.
Adhesive composition. W. B. Kinney. 2,570,561, Oct. 9.
Adjustable electric plug. K. F. Ferguson. 2,570,784, Oct. 9.
Adjustable hammock hanger. F. P. Hoffman. 2,571,037, Oct. 9.
Adjustable oil jug stand. F. Massucci. 2,570,359, Oct. 9.
Adjustable pipe for the intake of air and expansion of the driving gases in reaction jet propellers for projectiles and vehicles. R. Anxionnas and R. J. Imbert. 2,570,629, Oct. 9.
Adjusting means for hydraulic governor compensating springs. R. W. Taylor. 2,570,287, Oct. 9.
Advertising dummy. A. H. De Vane. 2,570,778, Oct. 9.
Aerial array and feeder arrangement for use therewith. N. M. Rust and L. H. Dawson. 2,570,599, Oct. 9.
Aerodynamic trim means. F. Erny. 2,570,534, Oct. 9.
Aircraft enclosure operating means. A. O. Willis. 2,570,622, Oct. 9.
Aircraft gun turret. G. Bussiere and E. C. Holton. 2,570,761, Oct. 9.
Air intake control apparatus for gas turbine power plants. W. G. Ovens. 2,570,847, Oct. 9.
Airport heating and airport fog dispersal. P. L. Geiringer. 2,570,226, Oct. 9.
Air preheater control system. R. Rasmussen. 2,570,859, Oct. 9.
Alarm, Tear gas projector burglar and fire. P. F. Flagge and M. W. Gerds. 2,570,438, Oct. 9.
Alkoxysilane-amine asphalt additive. P. H. Aldrich. 2,570,185, Oct. 9.
Alloy: *See*—
Metal alloy.
Alloys and articles, High-temperature. C. G. Bieber and W. F. Sumpter. 2,570,193, Oct. 9.
Alloys, Creep-resistant lead base. C. J. Snyder. 2,570,501, Oct. 9.
Aluminum hydroxide-magnesium phosphate pharmaceutical composition, method therefor, and thixotropy thereof. H. Eisenberg, B. W. Allan, and R. Roseman. 2,570,532, Oct. 9.
Ambient pressure-responsive clamping means. A. J. Reyenga. 2,570,984, Oct. 9.
Amino acid synthesis. D. I. Weisblat and D. A. Lyttle. 2,570,297, Oct. 9.
Amplifier coupling circuit. A. B. Macnee. 2,571,045, Oct. 9.
Anchor, Earth. E. K. Cole. 2,570,646, Oct. 9.
Anchor for ladders, Rung. N. A. Stroud. 2,570,730, Oct. 9.
Anchor, Multiple load-binder. J. M. Moon. 2,570,368, Oct. 9.
Anchoring device for well packers. R. A. Lamb. 2,570,565, Oct. 9.
Anion exchange materials and their preparation. T. R. E. Kressman. 2,570,822, Oct. 9.
Antenna. M. D. Ercolino. 2,570,333, Oct. 9.
Antenna, Dual purpose. J. I. Bohnert and A. S. Dunbar. 2,570,197, Oct. 9.
Antenna, Wide band. N. E. Lindenblad. 2,570,824, Oct. 9.
Antioxidants for oils and oil compositions containing the same. D. R. Stevens and A. C. Dubbs. 2,570,402, Oct. 9.
Antiskid device. C. W. Dart. 2,570,922, Oct. 9.
Antiskid device for pneumatic tires. C. R. Kennedy. 2,570,689, Oct. 9.
Apparatus and process for launching revetments. A. B. Pickett. 2,570,271, Oct. 9.
Apparatus for applying dust covers or jackets to books. J. A. E. Burls. 2,570,916, Oct. 9.
Apparatus for blowing or pumping oil wells. J. B. Hawley, Jr. 2,570,553, Oct. 9.
Apparatus for counting and marking sheets cut from webs. J. E. Battersby. 2,570,306, Oct. 9.
Apparatus for distributing insecticides or pollen. R. E. Blair. 2,570,511, Oct. 9.
Apparatus for drying fabric. H. W. Butterworth, Jr., S. and M. Cohn, and J. G. Walter. 2,570,318, Oct. 9.
Apparatus for feeding, severing, stripping, and bending hooked wire leads. J. Vollmer. 2,571,078, Oct. 9.
Apparatus for forming powder metallurgy parts. R. P. Seelig. 2,570,989, Oct. 9.
Apparatus for increasing the traction of vehicle tires. H. W. Furnald. 2,570,540, Oct. 9.
Apparatus for metallizing articles. J. A. Sargrove. 2,570,600, Oct. 9.
Apparatus for pelleting solids. G. W. Batchelder and O. J. Bronn. 2,570,423, Oct. 9.
Apparatus for pouring molten metal. I. Harter, Jr. and T. W. Ratcliffe. 2,571,033, Oct. 9.
Apparatus for producing fibers. E. Fletcher. 2,571,025, Oct. 9.
Apparatus for screw cutting and feeds for machine tools. M. H. Rumpf. 2,570,720, Oct. 9.
Apparatus for taping cores. H. Fitch and R. Gillis. 2,570,929, Oct. 9.
Apparatus for testing electrically actuated indicating instruments. C. F. Duerr, Jr. 2,570,781, Oct. 9.
Apron and pot holder, Combination. I. Ozenberger. 2,570,848, Oct. 9.
Aqueous dispersions of copolymers of vinyl esters, neutral ethylenic polyesters, and acrylic acid, and making. Stable. W. E. Lundquist. 2,570,253, Oct. 9.
Arc prevention system. P. M. G. Toulon. 2,571,076, Oct. 9.
Armor block construction. J. E. Biery. 2,571,006, Oct. 9.
Arrow. R. B. Evatt. 2,570,782, Oct. 9.
Article conveying and timing mechanism. C. A. Heyne and J. R. Johnson. 2,571,036, Oct. 9.
Article feeding means. K. J. Yost. 2,570,903, Oct. 9.
Article sorting apparatus. N. A. Siegal. 2,570,395, Oct. 9.
Article timing and indexing mechanism. R. E. J. Nordquist and J. Foris. 2,570,265, Oct. 9.
Artificial denture. J. D. Kinsley. 2,570,562, Oct. 9.
Artificial leg. M. A. McIntyre. 2,570,581, Oct. 9.
Artificial snow machine. R. M. Shearman. 2,571,069, Oct. 9.
Astringent, antiperspirant, and making. T. Govett and M. L. Almquist. 2,571,030, Oct. 9.
Attachment for multiple shuttle looms for preventing fouling of the filling threads. C. A. Cannon. 2,570,764, Oct. 9.
Automatic adjusting mechanism for brakes. G. L. Smith. 2,570,398, Oct. 9.
Automatic feed mechanisms. R. E. Price. 2,570,592, Oct. 9.
Automatic frequency control. R. A. Braden. 2,570,758, Oct. 9.
Automatic gain control circuit. H. A. Robinson. 2,570,715, Oct. 9.
Automatic gain control for pulse amplifiers. F. H. Harris, Jr. 2,570,233, Oct. 9.
Automatic machine for metering and applying adhesive to diaphragms. W. A. Schneider. 2,571,065, Oct. 9.
Automatic sealing gate valve. A. S. Volpin. 2,570,413, Oct. 9.
Automatic shutoff valve. T. E. Parrish. 2,570,372, Oct. 9.
Automatic system for checking receipt of telegraph messages in numerical order. E. F. Watson. 2,570,505, Oct. 9.
Automobile jack. R. H. McCarroll. 2,570,360, Oct. 9.
Automobile jack. H. Seckendorf. 2,571,067, Oct. 9.
Automotive equipment. F. P. Noone and A. C. Mullin. 2,570,587, Oct. 9.
Back rest and bag structure, Combination. R. N. Leeman. 2,570,571, Oct. 9.
Baffle structure for combustion tube type burners. J. J. Conron. 2,570,771, Oct. 9.
Barrel lift. E. A. Zeh. 2,570,741, Oct. 9.
Battery separator. E. M. O. Honey and C. R. Hardy. 2,570,677, Oct. 9.
Beach or like rocking chair. V. T. O'Connor. 2,570,842, Oct. 9.
Beacon modulator circuit. J. C. Reed, Jr. 2,571,060, Oct. 9.
Beam clamp. T. Haagensen. 2,570,666, Oct. 9.
Bearing: *See*—
Fluid thrust bearing.
Bearing for surveying instruments, Spindle. H. R. Larsen and D. Gurney. 2,570,568, Oct. 9.
Bed, Baby. R. B. Shanks. 2,570,393, Oct. 9.
Bed, Double frame. J. H. Pilates. 2,570,855, Oct. 9.
Bed, Reciprocating. J. V. Henderson. 2,570,676, Oct. 9.
Bed, Sofa. R. G. Stein. 2,570,401, Oct. 9.
Belt idler, Self-aligning. S. M. Mercier. 2,570,364, Oct. 9.

Belt loosening and tightening device. A. L. Dahl. 2,570,527, Oct. 9.
Belting. W. Lord. 2,570,576, Oct. 9.
Bench stop, Adjustable. J. U. Michell. 2,571,050, Oct. 9.
Bending glass, Method and apparatus for. L. V. Black. 2,570,309, Oct. 9.
Beta-ethylnaphthalene, Production of. J. E. Nickels and W. M. Kuts. 2,570,263, Oct. 9.
Blade for fowl-plucking apparatus. C. R. Kemp. 2,571,042, Oct. 9.
Blade sharpener. J. J. Kilian. 2,570,690, Oct. 9.
Bladed roll for working hides. V. H. Meyer and D. M. Ferguson. 2,570,470, Oct. 9.
Block and swivel connection, Combination traveling. B. C. Christensen. 2,570,320, Oct. 9.
Blowpipe rod feed mechanism. A. P. Scheller. 2,570,386, Oct. 9.
Boat top. O. T. Birdlebough. 2,570,911, Oct. 9.
Boiler feed. D. McBride. 2,570,961, Oct. 9.
Book, Musical. L. Patz. 2,570,976, Oct. 9.
Borehole gravity meter. C. H. Fay and R. R. Goodell. 2,570,659, Oct. 9.
Bottle, Nursing. F. B. Busch. 2,571,010, Oct. 9.
Box carrier. D. M. Hasenfield. 2,570,804, Oct. 9.
Bracket: *See*—
  Cornice bracket.
Brake: *See*—
  Steering wheel brake.
Brake beam, Railway car. C. R. Busch. 2,570,202, Oct. 9.
Brake construction, Expander tube. C. Hollerith. 2,570,345, Oct. 9.
Braking system, Fluid pressure. J. F. Shumaker. 2,570,874, Oct. 9.
Brashening of wool. J. Bauer. 2,570,750, Oct. 9.
Brassière. M. S. Floerchinger. 2,570,932, Oct. 9.
Brassière construction. I. Kivo. 2,570,819, Oct. 9.
Breaking petroleum emulsions. R. W. Towne. 2,570,611, Oct. 9.
Bucket elevator for hydrocarbon conversion systems. S. M. Mercier. 2,570,363, Oct. 9.
Buffing compounds. C. B. F. Young. 2,570,904, Oct. 9.
Burner internally fired, Radiant gas. J. B. Henwood. 2,570,554, Oct. 9.
Burning of hollow glassware. R. A. Wolf. 2,570,899, Oct. 9.
Cabinet: *See*—
  Rotary shelf cabinet.
  Toilet tissue cabinet.
Cabinet closure locking means. H. J. Smith. 2,571,071, Oct. 9.
Cam pin mechanism. C. G. Umsted and D. De Luca. 2,570,292, Oct. 9.
Camera carriage, Aerial. G. C. Dillard. 2,570,653, Oct. 9.
Camera, Precision process. B. R. Halpern. 2,570,668, Oct. 9.
Candle, Festive. J. M. O'Connor. 2,570,841, Oct. 9.
Canopy actuating mechanism. A. L. Dow and A. J. Nelson. 2,570,434, Oct. 9.
Captive aircraft control. W. H. Burks, Jr. 2,570,316, Oct. 9.
Car: *See*—
  Railway sleeping car.
Car lighting structure. A. L. Arenberg and E. C. Zimmerman. 2,570,907, Oct. 9.
Carburetor air cleaner. J. W. Wistor. 2,570,623, Oct. 9.
Carrier: *See*—
  Box carrier.
  Reciprocating yarn carrier.
Carton. A. Read. 2,570,982, Oct. 9.
Carton, Master shipping. W. C. George. 2,570,340, Oct. 9.
Carton packing construction. R. J. Hennessey. 2,570,946, Oct. 9.
Case: *See*—
  Shipping case.
  Sorting case.
Casting machine, Centrifugal. L. F. Dalton. 2,570,325, Oct. 9.
Catalytic dehydrofluorination. J. F. Eberle. 2,570,925, Oct. 9.
Catalytic vapor phase fluorination apparatus. F. B. Downing and J. B. Roberts. 2,570,435, Oct. 9.
Cellular material, Making. L. E. Daly and R. W. Pooley. 2,570,182, Oct. 9.
Chain hoist, Electric. I. R. Metcalf and G. E. Bock. 2,570,833, Oct. 9.
Chair: *See*—
  Beach or like rocking chair.
Chair bottom, Detachable. I. Satterfield. 2,570,725, Oct. 9.
Chair having vertically adjustable seat. J. N. Kahn. 2,570,687, Oct. 9.
Chart support. B. Whitehouse. 2,570,619, Oct. 9.
Chimney pit door. A. P. Robinson. 2,570,714, Oct. 9.
Chisel, Ice. G. A. Taylor. 2,570,732, Oct. 9.
Chuck for pulldown devices, Automatic. C. D. Beeth. 2,570,308, Oct. 9.
Circuit: *See*—
  Amplifier coupling circuit.
  Automatic gain control circuit.
  Beacon modulator circuit.
  Discriminator circuit.
  Electrical timing comparator circuit.
  Heterodyne detector circuit.
  Semiconductor reactance circuit.
  Variable reactance transistor circuit.
Circuit breaker with trap for products of arcing, Gas blast. P. L. Taylor. 2,570,610, Oct. 9.
Circuit controlling device, Electric. E. Lange. 2,570,567, Oct. 9.
Circuit for operating electric discharge lamps. G. C. Duckett and A. H. Willoughby. 2,570,780, Oct. 9.
Circuit for selector wipers, Second test. G. Deakin. 2,570,214, Oct. 9.
Circuit for ultrashort waves, Resonant. B. G. Fruithof. 2,571,026, Oct. 9.
Circuits for frequency modulation-amplitude modulation receivers, Converter. E. I. Anderson. 2,571,001, Oct. 9.
Circuits, Sweep wave generating. R. L. Sink. 2,570,875, Oct. 9.
Clamp: *See*—
  Beam clamp.
  Multiple clamp.
  Separable pole clamp.
  Venetian blind rail tape clamp.
Clamp for sectional signs. P. L. Michael and K. L. Robison. 2,570,365, Oct. 9.
Cleaner: *See*—
  Carburetor air cleaner.
  Drain cleaner.
  Tank cleaner.
Click attachment for fishing reels. O. B. Surber. 2,570,884, Oct. 9.
Clip: *See*—
  Pen or pencil pocket clip.
Clock, C. Hausen. 2,570,803, Oct. 9.
Clockless parking meter provided with coin view windows and key actuated release of coin to coin box. L. G. Wilkin and R. F. Spiller. 2,571,082, Oct. 9.
Closure cap for fuel tanks. O. D. Hanson, Jr. 2,570,550, Oct. 9.
Clutch: *See*—
  Jamming roller clutch.
  One-way clutch.
  Spreading fluid clutch.
  Vane type hydraulic clutch.
Clutch and control, Latch operated. I. Patrick. 2,570,849, Oct. 9.
Clutch for power winches. E. B. Yoncoski. 2,570,902, Oct. 9.
Coaster. J. C. Kasman. 2,570,954, Oct. 9.
Coating composition, Wire. E. H. Olson. 2,570,476, Oct. 9.
Coating composition, Wire. H. L. Saums. 2,570,490, Oct. 9.
Coating machine, Strip. H. O. Robinson. 2,570,379, Oct. 9.
Coating metallic objects with other metals. M. Alferieff. 2,570,906, Oct. 9.
Coating roller device. E. A. Johnson. 2,570,243, Oct. 9.
Coffee maker. J. C. Columbus. 2,571,015, Oct. 9.
Coffee maker. P. E. Willman. 2,570,997, Oct. 9.
Coil, Heating. P. Arant. 2,570,630, Oct. 9.
Collapsible drum. N. L. Herman. 2,570,809, Oct. 9.
Combination chalk board molding strip and map display rail hook supporting member. W. T. Jervis. 2,570,454, Oct. 9.
Combining and separating circuits. D. E. Kenyon. 2,570,249, Oct. 9.
Compact. E. Brand. 2,570,314, Oct. 9.
Comparator. N. S. Ryder. 2,570,489, Oct. 9.
Compartment door latch. E. N. Jacobi. 2,570,556, Oct. 9.
Composite wire for spraying a nondrawable metal. C. Davidoff. 2,570,649, Oct. 9.
Composition for waterproofing masonry. R. E. Madison and F. A. Fairbrother, Jr. 2,570,827, Oct. 9.
Compound system for liquid refrigerant return. H. A. Phillips. 2,570,979, Oct. 9.
Concentration process. H. K. Dice and R. L. Mitchell. 2,570,217, Oct. 9.
Condenser. W. Kals. 2,570,247, Oct. 9.
Connector for attaching back-splash panels to counter tops. I. J. Pearson. 2,570,850, Oct. 9.
Connector for dynamoelectric machines. C. L. Hamm. 2,570,800, Oct. 9.
Container. R. E. J. Nordquist. 2,570,266, Oct. 9.
Container and handle for razor blades, brushes, or the like, Combination. R. Vogel. 2,570,412, Oct. 9.
Container assembly. C. E. Christophersen. 2,570,644, Oct. 9.
Contaner for blood. A. Cahan. 2,570,639, Oct. 9.
Control apparatus. R. F. Wild and F. J. Curran. 2,570,739, Oct. 9.
Control of X-ray generators. A. R. Brown. 2,571,009, Oct. 9.
Conversion of carbon to electrical energy. E. Gorin. 2,570,543, Oct. 9.
Conveyer for foundries, Weight carrying. H. E. Fellows and M. O. Holtan. 2,570,927, Oct. 9.
Conveyer flight. G. C. Miller. 2,570,583, Oct. 9.
Conveyer mechanism with supporting sprockets. R. E. J. Nordquist and F. Huntar. 2,570,264, Oct. 9.
Cooker, Pressure. C. R. Turner. 2,570,993, Oct. 9.

Cooler: *See*—
  Portable cooler.
Cooling device and a method for transferring molten aluminum sulphate into solid pieces by using the device. K. V. Lennstrom. 2,570,572, Oct. 9.
Cornice bracket. S. H. Susnow. 2,570,731, Oct. 9.
Corpse viewing cover. M. R. Mejia. 2,570,361, Oct. 9.
Correcting sensitivity drift of amplifiers. N. R. Gunderson. 2,570,665, Oct. 9.
Coupling: *See*—
  Hose coupling.
  Rotary turbine-type hydrokinetic coupling.
  Shaft coupling.
  Swivel coupling.
  Tube coupling.
Coupling and clutch, Fluid impact. W. P. van Lammeren. 2,570,889, Oct. 9.
Coupling system for magnetostrictive elements, Electrical. H. L. Donley and C. Wentworth. 2,571,019, Oct. 9.
Cover: *See*—
  Corpse viewing cover.
  Universal automobile cover.
  Wheel cover.
Covering for brassières, Breast. E. K. La Roe and J. E. Lilienfeld. 2,570,352, Oct. 9.
Crankshaft chuck. W. R. Meyer. 2,570,964, Oct. 9.
Crib and table, Convertible. W. N. Taylor, Jr. 2,570,609, Oct. 9.
Crib, Folding. L. Hoffman. 2,570,446, Oct. 9.
Crystal formation and precipitation. V. J. Schaefer. 2,570,867, Oct. 9.
Curler, Hair. E. W. Carper. 2,570,206, Oct. 9.
Cutter: *See*—
  Paper cutter.
  Portable sheet material cutter.
  Staple cutter.
Cutting tow. E. J. Abbott. 2,570,184, Oct. 9.
Dampening roller trip. H. T. James. 2,570,242, Oct. 9.
Damper bar for filamentary cathodes. K. H. Simpson. 2,570,606, Oct. 9.
Deaerating and dispensing slurry. T. F. Mooney and D. H. Innes. 2,570,835, Oct. 9.
Deflection yoke. C. V. Bocciarelli. 2,570,425, Oct. 9.
Deflector for automobile windows. F. A. Gallik. 2,570,337, Oct. 9.
Degating device for plastic molds. L. W. Vinal. 2,570,613, Oct. 9.
Dehydration of petroleum hydrocarbons. F. C. Neuhart. 2,570,974, Oct. 9.
Delayed gripper action attachment. E. S. Moody. 2,570,699, Oct. 9.
Dental engine attachment. J. H. Jackson. 2,570,812, Oct. 9.
Dental holding and resting device for holding the mouth in an open position. R. L. Kreider. 2,570,459, Oct. 9.
Deodorizer, Toilet. C. T. Foster. 2,570,934, Oct. 9.
Device for aligning sheets. W. E. Vaughan, Jr., and J. C. Legler. 2,570,994, Oct. 9.
Device for making pile fabrics. B. Kahn. 2,570,348, Oct. 9.
Device for measurement of the distances of obstacles. R. A. E. Higonnet. 2,570,235, Oct. 9.
Device for notching an edge of a flexible web. P. Levine. 2,570,696, Oct. 9.
Device for positioning and immobilizing infants to be X-rayed. G. E. Chapman. 2,571,011, Oct. 9.
Device for straightening milk can covers. E. C. Anderson. 2,570,420, Oct. 9.
Diagnosis of allergies. W. H. Gardner. 2,570,339, Oct. 9.
Dialkylacetals of aceto-acetaldehyde, Preparation of. H. H. Richmond. 2,570,713, Oct. 9.
Dialkyl hydrogen phosphites, Manufacture of. H. S. Bloch. 2,570,512, Oct. 9.
Diaper. R. Gross. 2,570,796, Oct. 9.
Diaper, Infant's. J. E. Mesmer. 2,570,963, Oct. 9.
Dichloro-dialkoxy dodecadienes. G. E. Tabet. 2,570,887, Oct. 9.
Dicyclohexylamine, Production of. L. J. Dankert and D. A. Permoda. 2,571,016, Oct. 9.
Diethylaminoethyl alkoxybenzilates. E. R. Bockstahler. 2,570,181, Oct. 9.
Direction-finder system. C. A. Mizen. 2,571,051, Oct. 9.
Disconnect device. N. B. Murphy. 2,570,585, Oct. 9.
Discriminator circuit. C. H. Hoeppner. 2,570,236, Oct. 9.
Dispenser: *See*—
  Tape dispenser.
  Tooth paste dispenser.
Dispenser for athletic teams, with means for storing new and used cups, Portable sanitary water. R. E. Stevens. 2,570,283, Oct. 9.
Dispenser having a resiliently depressable plunger for controlling the rate of flow, Condiment. H. H. Bashore. 2,570,422, Oct. 9.
Display card exhibiting device for television broadcasting. R. J. Rockwell. 2,570,594, Oct. 9.
Distance finding system with means to eliminate selected indications. H. G. Busignies. 2,570,203, Oct. 9.
Distributor for gravity runways. T. C. Dodge. 2,570,923, Oct. 9.
Dolly for trailers, Front wheel. G. E. Pruitt. 2,570,482, Oct. 9.
Door: *See*—
  Chimney pit door.
Door construction, Oven. L. Brock. 2,570,517, Oct. 9.
Door control mechanism. J. G. Childers. 2,570,643, Oct. 9.
Door for furnaces and the like, Hinged. H. M. Simon. 2,571,070, Oct. 9.
Draft control. W. G. Johnson. 2,570,558, Oct. 9.
Drain cleaner. R. W. Hamlett. 2,570,546, Oct. 9.
Drawer, Lined. F. E. Lee. 2,570,938, Oct. 9.
Drawing kit. E. G. Henry. 2,570,806, Oct. 9.
Drill bit having file teeth. G. A. Hawkins. 2,570,945, Oct. 9.
Drilling fluids and using same. C. M. Himel and E. G. Lee. 2,570,947, Oct. 9.
Drilling fluids and using same. V. Scarth. 2,570,492, Oct. 9.
Driving axle unit, Detachable. R. A. Beckwith. 2,570,191, Oct. 9.
Dynamoelectric machine windings, Making. E. J. Flynn and C. E. Kilbourne. 2,570,786, Oct. 9.
Ear protector. C. N. Hedin. 2,570,675, Oct. 9.
Economizer unit. C. W. Gray. 2,570,661, Oct. 9.
Electric bus support. N. Swerdlow and G. G. Abel. 2,570,885, Oct. 9.
Electric circuit interrupter. T. R. Coggeshall. 2,570,769, Oct. 9.
Electric control system. J. J. Meadows. 2,570,831, Oct. 9.
Electric induction furnace. W. J. Bohnet and G. D. Bagley. 2,570,311, Oct. 9.
Electric motor. L. J. F. Ell. 2,570,222, Oct. 9.
Electric wave transmission. H. L. Barney. 2,570,305, Oct. 9.
Electrical bridge compensation system for magnetometers. O. H. Schmitt and J. H. Hidy. 2,570,870, Oct. 9.
Electrical sorting system. F. Rieber. 2,570,485, Oct. 9.
Electrical switch. A. A. Lutsky and A. A. Walker. 2,570,960, Oct. 9.
Electrical timing comparator circuit. J. R. De Baun. 2,570,775, Oct. 9.
Electrically heating and upsetting metal rods or bars, Method of and apparatus for. M. O. Hanna. 2,570,547, Oct. 9.
Electrically heating and upsetting rods or bars, Method of and apparatus for. M. O. Hanna. 2,570,548, Oct. 9.
Electron beam switching tube and system. D. H. Ransom. 2,570,274, Oct. 9.
Electron tube protective system. L. P. Garner. 2,571,027, Oct. 9.
Electronic attenuator for radar. G. Wilkes. 2,570,893, Oct. 9.
Electronic method and apparatus for determining potential unbalance. J. S. Wapner. 2,570,414, Oct. 9.
Electronic sequence space discharge tube network. B. F. Holmes and H. H. Heindel. 2,570,448, Oct. 9.
Electronic switch. T. H. Clark. 2,570,208, Oct. 9.
Electronic switch. J. L. Dempsey and R. W. Sonnenfeldt. 2,571,017, Oct. 9.
Electrostatic precipitator. R. W. Warburton. 2,571,079, Oct. 9.
Elevating device for table tops. J. G. Weber. 2,570,183, Oct. 9.
Elimination of deformation during surface hardening. J. Stivin. 2,570,883, Oct. 9.
Emblem, Mourning. H. Houser. 2,570,678, Oct. 9.
Engine accessory testing method and apparatus. B. Rozett. 2,570,488, Oct. 9.
Engine cooling system. F. S. Young. 2,570,418, Oct. 9.
Engine starter gearing. J. J. Digby. 2,571,018, Oct. 9.
Equipment for molding elongated articles from plastic materials. L. L. Stott and E. E. Montross. 2,570,284, Oct. 9.
Error compensator. J. E. Lundberg and G. A. Wallace. 2,570,826, Oct. 9.
Esters of amine-substituted phosphonic acids, Preparing. P. O. Tawney. 2,570,503, Oct. 9.
Evaporation method and apparatus, J. A. Cross. 2,570,210, Oct. 9.
Expansion means for jacket or conduit systems. E. W. Kaiser. 2,570,246, Oct. 9.
Extractive distillation of alcohols with sulfolane. C. S. Carlson and P. V. Smith, Jr. 2,570,205, Oct. 9.
Extractive distillation of methylamines. W. Tyerman. 2,570,291, Oct. 9.
Eyeglasses. J. L. Rooney. 2,570,718, Oct. 9.
Fabric: *See*—
  Pile fabric.
Farm wagon with continuous conveyer. W. Domitrovic. 2,570,530, Oct. 9.
Fastener: *See*—
  Paper fastener.
  Roofing fastener.
  Separable chain fastener.
  Slide fastener.
Fastening device. E. W. Lee. 2,570,957, Oct. 9.
Fastening device for sheet material. J. B. De Angelis. 2,570,326, Oct. 9.
Faucet attachment, Aerating. J. E. Hannigan. 2,570,669, Oct. 9.
Feeder: *See*—
  Poultry feeder.
Feeder for flattened can bodies. W. Furminger. 2,570,936, Oct. 9.
Feeder for rabbits and poultry. R. E. W. Bacon. 2,571,004, Oct. 9.
Filler spout protective and sealing arrangement for vehicle luggage compartments. A. J. Weatherhead, Jr. 2,570,506, Oct. 9.
Film controlled motor switch. F. Hauser. 2,570,944, Oct. 9.

Film evaporator, Falling. J. A. Cross. 2,570,211, Oct. 9.
Film processing device. F. G. Albin. 2,570,627, Oct. 9.
Film tensioning apparatus. C. C. Davis. 2,570,773, Oct. 9.
Filtering apparatus. S. G. Nordengren. 2,570,697, Oct. 9.
Finishing glassware. C. W. Schreiber. 2,571,066, Oct. 9.
Fire alarm signal station, Automatic and manually operated. M. Levy. 2,570,823, Oct. 9.
Firearm with pivoted bolt lock, Recoil operated. L. R. Crittendon. 2,570,772, Oct. 9.
Fire control system. J. E. Rejerson. 2,570,276, Oct. 9.
Fire-detecting and extinguishing apparatus, Automatic. E. Roffman. 2,570,280, Oct. 9.
Fireplace, Shock resistant. C. J. Roos. 2,570,598, Oct. 9.
Fish gaff, Folding. J. B. Keegan. 2,570,688, Oct. 9.
Fishhook. H. E. Matthes. 2,570,468, Oct. 9.
Fish lure. W. M. Gambill. 2,570,338, Oct. 9.
Fish lure. E. Novitzky. 2,570,474, Oct. 9.
Fishing device. C. L. Vadnais. 2,570,293, Oct. 9.
Fishing gaff. B. V. Fincher and C. H. Hulett. 2,570,538, Oct. 9.
Fishing lure, Mother-of-peal. M. W. Stirlen. 2,570,404, Oct. 9.
Fitting tumbler pins. R. C. Cerf, Jr. 2,570,765, Oct. 9.
Fixation of hip fractures. J. S. Lundholm. 2,570,465, Oct. 9.
Flashlight, Pen-shaped pocket. J. Nathan and R. W. Adler. 2,570,838, Oct. 9.
Flexible conduits, Method of and aparatus for the manufacture of. J. G. McKinley. 2,570,259, Oct. 9.
Flexible shaft. F. B. Fitch. 2,570,335, Oct. 9.
Flexible wave-guide. H. C. Early. 2,571,021, Oct. 9.
Floor construction, Portable. P. W. Harris. 2,570,234, Oct. 9.
Floor leveling device, Adjustable. C. H. Speck, H. L. Carr, and R. A. Yoder. 2,570,282, Oct. 9.
Flow densifiers, Method of and apparatus for continuous. R. F. Mitten. 2,570,367, Oct. 9.
Flowmeter. J. M. Pearson. 2,571,058, Oct. 9.
Flow-regulating valve. A. L. Buseon. 2,570,317, Oct. 9.
Flow regulating valve. E. Klessig. 2,570,351, Oct. 9.
Fluid thrust bearing. R. J. Imbert. 2,570,682, Oct. 9.
Fluid treating apparatus. C. T. McGill and H. Mansen. 2,570,254, Oct. 9.
Fog-producing attachment for fire-fighting nozzles. E. D. Ballard. 2,570,190, Oct. 9.
Food mixer indexing mechanism. F. A. Masheris. 2,570,358, Oct. 9.
Foot valve. L. D. Hill. 2,570,445, Oct. 9.
Formaldehyde from oxidation of butane, Production of. H. K. Dice. 2,570,215, Oct. 9.
Forwarding mechanism for autographic registers. L. F. Hageman and C. J. Manuel. 2,570,799, Oct. 9.
Fountain applicator and dispenser with magnetic valve. W. T. Keeshan. 2,570,955, Oct. 9.
Freezer, Tunnel. H. W. Kleist. 2,570,250, Oct. 9.
Frequency analyser. J. A. Rajchman. 2,570,858, Oct. 9.
Friction-cap remover, Plier type. B. H. Stewart. 2,570,881, Oct. 9.
Friction gearing with an adjustable gearing ratio. L.-W. Schmidt. 2,570,493, Oct. 9.
Frier, Deep fat. F. A. Anetsberger. 2,570,628, Oct. 9.
Fuel compositions. A. J. Revukas. 2,570,377, Oct. 9.
Fuel compositions and their preparation. J. A. Southern, L. J. Roth, F. L. Licata, and J. Cunder. 2,570,990, Oct. 9.
Fuel control system for turbo power-plants. N. C. Price. 2,570,592, Oct. 9.
Fuel-saving hot-air furnace. A. E. McClure. 2,570,580, Oct. 9.
Fumigation with 1,1-difluoroethylfluosulfonates. J. D. Calfee. 2,570,917, Oct. 9.
Furnace: *See*—
Electric induction furnace.
Fuel-saving hot-air furnace.
Galvanizing apparatus. H. Bablik. 2,570,746, Oct. 9.
Garment. T. A. Clifford. 2,570,428, Oct. 9.
Garment, Readily adjustable. W. L. Dessauer. 2,570,777, Oct. 9.
Gas and air mixing apparatus. P. E. Peacock, Jr. 2,570,313, Oct. 9.
Gas engine throttle control. A. R. Cooper. 2,570,429, Oct. 9.
Gasket material and making same. J. C. Tomunak. 2,571,075, Oct. 9.
Gathering and conveying mechanism. J. Yarmak. 2,571,044, Oct. 9.
Gauge: *See*—
Remote-indicating fuel gauge.
Vacuum gauge.
Gauge and relief valve, Pressure. D. O. Drudge. 2,570,655, Oct. 9.
Gauge for plow shares, Marking. L. O. Wiese, 2,570,620, Oct. 9.
Gauging apparatus. E. C. Moss. 2,570,967, Oct. 9.
Gear for tuning elements, Operating. H. E. Overacker. 2,570,792, Oct. 9.
Gearing, Adjustable. W. F. Berck. 2,571,005, Oct. 9.
Generator: *See*—
Impulse generator.
Standard frequency generator.
Glass composition. R. L. Tiede and F. V. Tooley. 2,571,074, Oct. 9.
Glass compositions. J. E. Stanworth and A. E. Dale. 2,570,878, Oct. 9.
Glassware forming machine. C. C. Kinker. 2,570,817, Oct. 9.
Glider tail jack handle. R. S. Houghton. 2,570,240, Oct. 9.
Golf club bag support. C. E. Walton. 2,571,088, Oct. 9.
Golf club buggy. K. J. Van House. 2,570,504, Oct. 9.
Grain drill level indicator. W. A. Hyland. 2,570,952, Oct. 9.
Grass distributing device for lawn mowers. A. A. Gabrielson. 2,570,541, Oct. 9.
Grille unit and carrying case for portable stoves. B. B. Balkema. 2,570,508, Oct. 9.
Grinder for sharpening cutlery. F. W. Kublin. 2,570,564, Oct. 9.
Ground-contacting surface for shoe soles. I. Hoffenberg. 2,570,949, Oct. 9.
Guard for sewing machines. R. Pelletier. 2,570,705, Oct. 9.
Gumming machine. J. P. Guerra. 2,570,544, Oct. 9.
Gust lock. J. P. Nix. 2,570,586, Oct. 9.
Gyroscopically controlled electrical gunsight. P. R. Wheeler. 2,570,298, Oct. 9.
Halogenated substituted pteridines. D. R. Seeger. 2,570,391, Oct. 9.
Halogenation of substituted pteridines. D. R. Seeger and D. B. Cosulich. 2,570,392, Oct. 9.
Hammer having replaceable striking heads. B. N. Kindland. 2,570,691, Oct. 9.
Handbag, Interchangeable. I. Peyser. 2,570,851, Oct. 9.
Handcuffs, leg irons, shackles, and the like. S. P. Gray, 2,570,662, Oct. 9.
Hand plane having adjustable mouth. W. N. Powell. 2,570,980, Oct. 9.
Handle: *See*—
Glider tail jack handle.
Handling bagged materials. R. G. Bowman and W. J. Knox, Jr. 2,570,737, Oct. 9.
Hanger: *See*—
Adjustable hammock hanger.
Hardware for mounting an overhead garage door. F. O. Hollister and G. M. George. 2,570,447, Oct. 9.
Harmonic-selecting aparatus. M.-T. Martin. 2,570,701, Oct. 9.
Harness, Infant. L. V. Arrasmith. 2,570,631, Oct. 9.
Headrest for gunners' chairs. C. D. Knowlton. 2,570,457, Oct. 9.
Heat control system. W. B. Elmer. 2,570,331, Oct. 9.
Heat-retaining unit for furnaces. R. J. Hinsley. 2,570,948, Oct. 9.
Heat sealable vulcanized film and making same. E. M. Maxey and C. P. Krupp. 2,570,829, Oct. 9.
Heating element, Electric. C. M. Osterheld. 2,570,975, Oct. 9.
Heating means for silos, Electrical. H. L. Quist. 2,570,376, Oct. 9.
Heating means, including a heat transfer system. S. M. Bäckström. 2,570,189, Oct. 9.
Heating of materials, Electronic. F. V. Collins. 2,570,921, Oct. 9.
Heating system controlled by outside temperature. R. L. Hooghkirk. 2,570,810, Oct. 9.
Heterodyne detector circuit. E. O. Keizer and V. D. Landon. 2,571,041, Oct. 9.
High-temperature alloys and articles, Production of. C. G. Bieber and W. F. Sumpter. 2,570,194, Oct. 9.
Hinge. R. B. Pollman. 2,570,479, Oct. 9.
Hinge for containers. G. H. Hake. 2,570,341, Oct. 9.
Hoisting apparatus. A. Wulleman. 2,570,417, Oct. 9
Holder: *See*—
Sheet holder.
Toothbrush holder.
Holder and dispenser having pressure operated means for dispensing the condiment. Condiment. W. C. Wilt. 2,571,083, Oct. 9.
Holder and dispenser wherein a ratcheting mechanism winds the tube on a drum, Collapsible tube. G. E. Campbell, Sr. 2,570,204, Oct. 9.
Holder for coins and similar articles. D. V. Stroop. 2,571,073, Oct. 9.
Holder for cosmetics and the like. C. G. Ross. 2,570,596, Oct. 9.
Holder for sheets, books, and the like. J. Forca. 2,570,439, Oct. 9.
Hole and press-off detector with plurality of feelers. E. Vossen. 2,570,995, Oct. 9.
Hood hinge. W. A. Thomas. 2,570,992, Oct. 9.
Hook: *See*—
Trap hook.
Hop-picking machine. A. Oslund. 2,570,844, Oct. 9.
Hose coupling. J. D. Baldwin, Jr., and C. H. Crawley. 2,570,421, Oct. 9.
Hose coupling. J. N. Paquin. 2,570,477, Oct. 9.
Hose reel. W. F. Coats. 2,571,012, Oct. 9.
Hose support for suction cleaners. H. W. Hoover. 2,570,346, Oct. 9.
Humidifier for internal-combustion engines. W. D. Murray. 2,570,369, Oct. 9.
Hydraulic transmission. E. Orshansky, Jr. 2,570,843, Oct. 9.

Ignition control. D. S. Guillermin. 2,570,797, Oct. 9.
Improving the cut growth resistance of butadiene-vinyl pyridine rubbery copolymers. B. C. Barton. 2,570,632, Oct. 9.
Impulse generator. J. C. Koons. 2,570,693, Oct. 9.
Indexing device for machine tools. F. J. Henkel. 2,570,444, Oct. 9.
Indicating device for indicating the next dealer in a card game. A. F. Faber and C. D. Ellis. 2,570,535, Oct. 9.
Indicator: *See*—
Grain drill level indicator.
Pulse echo direction and distance indicator.
Indicator to be worn on the hands while learning to typewrite. L. J. Behr. 2,570,908, Oct. 9.
Inhaler. I. C. Pace. 2,570,268, Oct. 9.
Ink compositions, Zein. R. M. Leekley. 2,570,353, Oct. 9.
Inspection of sheet materials, Photoelectric. F. C. Todd. 2,570,288, Oct. 9.
Instrument board for motor vehicles. J. A. Church. 2,570,645, Oct. 9.
Instrument, Musical. V. R. Kimple. 2,570,816, Oct. 9.
Instrument, Trigonometric. L. W. Högberg. 2,571,038, Oct. 9.
Insufflator. F. P. C. Davis. 2,570,774, Oct. 9.
Intercepting liquid refrigerant. J. C. McBroom. 2,570,962, Oct. 9.
Interferometer device having a permanently positioned interference pattern viewing screen. R. M. Drake, Jr. 2,570,219, Oct. 9.
Internal-combustion engine piston lubrication. H. S. Benjamin and H. R. De Harte. 2,570,424, Oct. 9.
Interpolymers of vinyl chloride, vinyl-aromatic ester, and higher alkyl acrylate, Inherently processable. R. J. Wolf. 2,570,900, Oct. 9.
Irrigation machine, Self-propelled. J. G. Liboiron. 2,570,573, Oct. 9.
Jack: *See*—
Automobile jack.
Jacking device, Vehicle. F. J. Erjavec. 2,570,334, Oct. 9.
Jamming roller clutch. W. R. Bonham. 2,570,515, Oct. 9.
Jaw holder for blind riveting guns. J. F. Hamlin. 2,570,801, Oct. 9.
Joint: *See*—
Leg brace knee joint.
Pipe joint.
Swivel joint.
Joint for artificial limbs, Flexible. C. A. Weise. 2,570,735, Oct. 9.
Joint protection in coded track circuit signaling systems, Broken-down. M. A. Scheg. 2,570,868, Oct. 9.
Joint seal. J. C. Haun. 2,570,673, Oct. 9.
Key sequence indicating keyset. H. W. Goff. 2,570,940, Oct. 9.
Knife for cutting butter and cheese, Guarded. J. F. Hartman. 2,570,671, Oct. 9.
Label gluing and attaching apparatus especially for association with gluing machines. E. R. Sloyer. 2,570,876, Oct. 9.
Lampholder for elongated tubular lamps. L. Boltuch. 2,570,514, Oct. 9.
Lamp socket. G. B. Benander. 2,570,751, Oct. 9.
Latch: *See*—
Compartment door latch.
Latch assembly for convertible automobile tops. L. D. Milhan. 2,570,260, Oct. 9.
Lead wire construction and sealing. H. K. Ishler. 2,570,683, Oct. 9.
Leg brace knee joint. W. Ruetting. 2,570,382, Oct. 9.
Leg rest and reclining seat for vehicles, Combination. M. Watter. 2,571,080, Oct. 9.
Lens diaphragm control mechanism for process cameras, Automatic. W. N. Urie. 2,570,888, Oct. 9.
Level control system. R. L. Pettefer and G. M. Badger, Jr. 2,570,977, Oct. 9.
Lever, Multiple purpose double-acting. W. R. Gerry. 2,571,028, Oct. 9.
Lifting device, Mechanical. W. M. Grigsby. 2,570,941, Oct. 9.
Light fitting for tubular electric lamps. A. H. Annell. 2,570,303, Oct. 9.
Light with tripod-forming support, Trouble. M. S. Dunkelberger. 2,570,329, Oct. 9.
Lighting fixture for elongated tubular lamps. R. I. Berry. 2,570,910, Oct. 9.
Linear polymers which have formal-containing extralinear substituents and which are obtained from monoethylenically unsaturated compounds. M. J. Roedel. 2,570,861, Oct. 9.
Liquid level control system. F. W. Hottenroth. 2,570,451, Oct. 9.
Live stock car shutter structure. J. M. Coyner. 2,570,324, Oct. 9.
Loading apparatus, Conveyance. W. W. Smith. 2,570,726, Oct. 9.
Locating nonlinearities in inaccessible cables. W. M. Bishop. 2,570,912, Oct. 9.
Lock: *See*—
Gust lock.
Lock for automobiles, Trunk lid. L. M. Schuldt. 2,570,390, Oct. 9.
Lock nut. L. A. Rowe. 2,570,863, Oct. 9.
Locking device for temporary clamping together two or more pieces of sheet metal. M. Fisher. 2,570,928, Oct. 9.
Locking slider. R. Feitl. 2,571,024, Oct. 9.
Loom harness. F. H. Kaufmann. 2,570,815, Oct. 9.
Loose-leaf binder construction. J. C. Condon and O. Felix. 2,570,323, Oct. 9.
Loose-leaf post binder. H. H. Moore. 2,570,966, Oct. 9.
Low-temperature drying apparatus. W. H. Hermes, III. 2,570,808, Oct. 9.
Lubricant compositions, Foam suppressed. H. W. Rudel and A. D. Kirshenbaum. 2,570,719, Oct. 9.
Machine for frying tortillas. J. P. Pompa. 2,570,374, Oct. 9.
Machine for grinding chain links and like articles. W. G. Anderson. 2,570,302, Oct. 9.
Machine for inspecting glass containers and the like. H. E. Stover. 2,570,729, Oct. 9.
Machine for making flexible wood filaments. A. Elmendorf. 2,570,926, Oct. 9.
Machine for making plaster corner reinforcing strips. C. D. Harvey. 2,571,086, Oct. 9.
Machine for opening closure members having crimped flanges. A. E. Almgren. 2,570,186, Oct. 9.
Machine for opening hinged closure members on containers. R. E. J. Nordquist. 2,570,267, Oct. 9.
Machine for the continuous manufacture of casting molds. R. A. M. Ronceray. 2,570,717, Oct. 9.
Machine tool. M. E. Lange. 2,571,043, Oct. 9.
Magnetic escapement counting and like mechanism. C. F. Clifford. 2,571,085, Oct. 9.
Magnetic operated switch. R. D. Brewer. 2,570,315, Oct. 9.
Magnetically operated motor. J. J. Drury. 2,570,531, Oct. 9.
Manual-reset control device. W. A. Ray. 2,570,593, Oct. 9.
Manure spreading machine. S. F. Mott. 2,570,472, Oct. 9.
Marionette actuating and controlling apparatus. C. E. Whitcomb. 2,570,737, Oct. 9.
Marking device and inker therefor. M. E. Boekeloo. 2,571,008, Oct. 9.
Mast structure. H. J. Woolslayer, E. A. Campbell, and C. Jenkins. 2,570,901, Oct. 9.
Mattress. S. H. West. 2,570,736, Oct. 9.
Measuring and dispensing device, Fluid. J. T. Arnold. 2,570,745, Oct. 9.
Measuring and dispensing device, Liquid. R. R. Hull. 2,570,681, Oct. 9.
Measuring apparatus, Compensated. O. B. Vetter. 2,570,410, Oct. 9.
Measuring device for tea, coffee, and the like. F. R. Chester. 2,570,521, Oct. 9.
Mechanical linkage. J. F. Morse. 2,570,702, Oct. 9.
Mechanism for controlling the speed of motors. E. W. Ertner. 2,571,023, Oct. 9.
Mending hosiery, Method of and apparatus for. M. M. Brown. 2,570,637, Oct. 9.
Mercurous chloride crystals, Producing. N. van Gorder, W. Horback, and A. F. Caprio. 2,570,408, Oct. 9.
Meta-phthalic acid anhydride and making same. G. Walton. 2,570,890, Oct. 9.
Metal alloy. S. Low. 2,570,355, Oct. 9.
Metal electrical resistance, Expanded. W. F. Knight. 2,570,692, Oct. 9.
Metallizing and bonding nonmetallic bodies. F. C. Kelley. 2,570,248, Oct. 9.
Meter: *See*—
Borehole gravity meter.
Metering arrangement for telephone systems. H. L. Horwitz. 2,570,238, Oct. 9.
Metering device, Flow. E. H. Christopher. 2,570,322, Oct. 9.
Metering system, Television program. A. Cotsworth, III. 2,570,209, Oct. 9.
Metering system, Time zone telephone. H. L. Horwitz. 2,570,239, Oct. 9.
Methyl amino phenol, Manufacture of. G. S. Myers. 2,571,053, Oct. 9.
Milk composition and its preparation, Condensed. F. F. Hansen. 2,570,231, Oct. 9.
Milk evaporation process. J. A. Cross. 2,570,212, Oct. 9.
Milk evaporation process and apparatus. J. A. Cross. 2,570,213, Oct. 9.
Mineral oil compositions containing esters of reaction product of maleic anhydride and styrene. F. P. Otto, O. M. Reiff, and R. W. Barrett. 2,570,846, Oct. 9.
Mining machine, Kerf-cutting. E. H. Stein. 2,570,400, Oct. 9.
Minnow bucket. N. C. Jackson. 2,570,684, Oct. 9.
Mirror assembly, Illuminated. R. Leathorn. 2,570,569, Oct. 9.
Mirror, Remotely adjustable rearview. J. R. Fellabaum. 2,570,536, Oct. 9.
Mixing machine. R. P. Rowlson. 2,570,864, Oct. 9.
Mixing regulator. C. L. Pritchard. 2,570,375, Oct. 9.
Mixing valve. M. F. McWilliams, Jr. 2,571,047, Oct. 9.
Modulator. T. M. Gluyas, Jr. 2,570,789, Oct. 9.
Mold for concrete blocks and the like. T. Russell. 2,570,384, Oct. 9.
Mold for tires, Electrically heated retreading. J. J. Fannen. 2,570,657, Oct. 9.
Molding machine, Injection. H. M. Dodge. 2,570,433, Oct. 9.

Motion-picture system, Stereoscopic. L. J. E. A. Dodin. 2,570,654, Oct. 9.
Motor: *See*—
Electric motor.
Magnetically operated motor.
Multispeed motor.
Oscillating step motor.
Spring actuated motor.
Mounting: *See*—
Rotary chipper - knife mounting.
Mounting for sheaves and the like. W. Siegerist. 2,570,604, Oct. 9.
Mounting for stencil screens. C. F. Schaefer. 2,571,064, Oct. 9.
Movement to dial attachment for clocks. A. W. Fowler. 2,570,539, Oct. 9.
Muffler with frusto-conical baffle and removably disposed perforated extension tube. W. D. Storey. 2,570,728, Oct. 9.
Mulling apparatus. L. E. Everett and E. A. Hund. 2,570,223, Oct. 9.
Multiple clamp. H. R. Allen and G. C. Barber. 2,570,419, Oct. 9.
Multispeed motor. J. C. Willsey. 2,570,894, Oct. 9.
N-cyanomethylmorpholine, Preparation of. W. M. Bruner and F. K. Watson. 2,570,760, Oct. 9.
Nail puller. C. N. Buck. 2,570,914–15, Oct. 9.
Network arrangement, Frequency selective. S. Van Mierlo. 2,570,294, Oct. 9.
New pyrene condensation products and their manufacture. E. Clar. 2,570,522, Oct. 9.
Notching and embossing punch and die. H. W. Clifford. 2,570,919, Oct. 9.
Nozzle for faucets. O. F. Beyer, Jr. 2,570,635, Oct. 9.
Nozzle, Protective spray fire. J. N. Martin. 2,570,828, Oct. 9.
Nozzle, Spraying. T. H. Nakken. 2,570,972, Oct. 9.
Nozzle with retractable floating brush, Vacuum cleaner. G. H. Brandhall. 2,570,759, Oct. 9.
Nut and plate temporary fastener. E. Werner. 2,570,618, Oct. 9.
Nut, Self-locking. S. T. and F. L. Farrell. 2,570,658, Oct 9.
Obtaining pigmented films. B. C. Pratt and P. L. Salsberg. 2,570,856, Oct. 9.
Occupant-propelled step-by-step vehicle. J. I. Luts. 2,570,254, Oct. 9.
Oil burner. M. Walshin. 2,570,996, Oct. 9.
Oil system, Nonfreezing. R. H. Wood. 2,570,898, Oct. 9.
Oiler, Automatic pintle. H. J. Hadfield. 2,570,942, Oct. 9.
One-way clutch. H. H. Turner. 2,570,290, Oct. 9.
Opener, Can. M. L. Russell. 2,570,721, Oct. 9.
Opener, Parachute safety. H. Vantine, Jr. 2,570,295, Oct. 9.
Operating means for sliding doors. R. Kreimendahl. 2,570,563, Oct. 9.
Optical pellicles, Making. P. L. Pryor. 2,570,273, Oct. 9.
Organic chlorides, Production of. N. D. Scott. 2,570,495, Oct. 9.
Organosilanes, Preparing. M. L. Ernsberger and R. D. Lipscomb. 2,570,463, Oct. 9.
Organosilanes, Preparing. R. D. Lipscomb. 2,570,462, Oct. 9.
Organosiloxan resins. J. T. Goodwin. 2,571,029, Oct. 9.
Ornament for slide fasteners. A. G. Rinehart. 2,570,378, Oct. 9.
Ornament, Radiator. F. Reilly. 2,570,983, Oct. 9.
Oscillating fluid pressure machine. E. Mercier and M. Ehlinger. 2,570,832, Oct. 9.
Oscillating step motor. E. A. Bryan. 2,570,518, Oct. 9.
Oscillator, Coincidence blocking tube. J. H. Mulligan, Jr. and A. J. Talamini, Jr. 2,570,836, Oct. 9.
Oscillator, Crystal controlled. E. Eberhard and R. O. Endres. 2,570,436, Oct. 9.
Outboard motor underwater exhaust valve. J. C. Bandli. 2,570,506, Oct. 9.
Overshoe, Antiskid. H. E. Earl, Sr. 2,571,020, Oct. 9.
Oxidizer for black liquor. O. Kress. 2,570,460, Oct. 9.
Pan, Pie and cake. M. Clough. 2,570,524, Oct. 9.
Pane and screen sash, Flexible. C. J. Roos. 2,570,597, Oct. 9.
Paper cutter. F. W. Seybold. 2,570,873, Oct. 9.
Paper fastener. C. S. Lynch. 2,571,044, Oct. 9.
Parking meter coin discharge guiding construction. C. A. Clough, R. T. Trier, and R. D. Murphy. 2,570,920, Oct. 9.
Pattern marker, Dress. L. L. Dritz. 2,570,328, Oct. 9.
Pen or pencil pocket clip. E. P. Harold. 2,570,670, Oct. 9.
Pencil, China marking. E. H. Seibert. 2,570,496, Oct. 9.
Pencil, Slide rule. G. L. Cherymisin. 2,570,642, Oct. 9.
Perch, Bird cage. G. Guarino. 2,570,663, Oct. 9.
Periscope for motor vehicles. T. C. Martin. 2,570,357, Oct. 9.
Phenolic resins, Modified. H. S. Bloch. 2,570,513, Oct. 9.
Phonograph pickup, Dual styles. N. F. Martin. 2,570,519, Oct. 9.
Phonograph system, Automatic. F. C. Filo and A. P. Marcus. 2,570,930, Oct. 9.
Phosphoric acid catalyzed thiophene alkylation and gravity separation of resultant products. C. F. Gerald and G. R. Donaldson. 2,570,542, Oct. 9.
Phosphorus oxychloride, Producing. P. Dupont. 2,570,924, Oct. 9.
Photosensitive planographic plate. D. A. Newman. 2,570,262, Oct. 9.
Pile fabric. G. J. Underwood and A. J. Ammerall. 2,571,077, Oct. 9.
Pile fabric. G. J. Underwood and A. J. Ammerall. 2,571,087, Oct. 9.
Pilot, Automatic. C. M. Young and R. L. Wanamaker. 2,570,905, Oct. 9.
Pipe: *See*—
Smoking pipe.
Pipe joint. L. S. Hamer. 2,570,545, Oct. 9.
Piston cooling. L. E. Endsley. 2,571,022, Oct. 9.
Piston regrooving tool. J. J. Wittman. 2,570,416, Oct. 9.
Pitch propeller, Variable. P. J. Quinn. 2,570,484, Oct. 9.
Plate for outboard motors. R. J. Enrico. 2,570,332, Oct. 9.
Plate, Wheel adapter. E. M. Juergenson. 2,570,559, Oct. 9.
Plucking machine, Poultry. D. I. Harvey. 2,571,034, Oct. 9.
Plug: *See*—
Adjustable electric plug.
Self-ejecting electric plug.
Pluviometer. E. F. Quinteros. 2,570,710, Oct. 9.
Pneumatic counterweight. M. J. Meylich. 2,571,049, Oct. 9.
Polyamides, Fluorinated. A. L. Allewelt. 2,570,180, Oct. 9.
Polyhydric alcohols and related products, Preparing. W. F. Gresham. 2,570,792, Oct. 9.
Porcelain enameling process. E. R. Zademach and W. W. Clarke. 2,570,299, Oct. 9.
Portable cooler. G. M. Acton. 2,570,300, Oct. 9.
Portable sheet material cutter. W. N. Bird and A. J. Comstock. 2,570,195, Oct. 9.
Potentiometer. W. F. Muller. 2,570,968, Oct. 9.
Poultry feeder. J. J. Carmo. 2,570,640, Oct. 9.
Pouring attachment for paint cans. W. W. Cassidy. 2,570,426, Oct. 9.
Power cylinder and piston with leakage control. G. A. Cormier. 2,570,647, Oct. 9.
Power moving apparatus and remote control therefor. C. L. Kern. 2,570,350, Oct. 9.
Power transmission. W. K. Beckwith. 2,570,192, Oct. 9.
Power transmission. H. F. Vickers. 2,570,411, Oct. 9.
Preparations for use in agriculture and horticulture. E. G. Finch. 2,570,537, Oct. 9.
Preserving vegetables. W. Gündel, E. Meyer, W. Offermann, and H. Fuchs. 2,570,664, Oct. 9.
Pressure and temperature relief valve. W. M. Dillon. 2,570,432, Oct. 9.
Printing tabulating mechanism. H. M. Fleming. 2,570,931, Oct. 9.
Producing products of animal fibers. J. W. Hall, J. P. Hollihan, Jr., and F. F. Morehead. 2,570,443, Oct. 9.
Projector, Episcopic. G. Andreoli. 2,570,507, Oct. 9.
Projector for weighing scales, Indication. L. S. Williams. 2,570,621, Oct. 9.
Projector, Picture disk viewing. J. J. Dilks. 2,570,652, Oct. 9.
Propelling and steering mechanism, Vessel. A. F. O'Bannon. 2,570,839, Oct. 9.
Protection system. R. W. Cobean and H. J. Holmquest. 2,571,013, Oct. 9.
Protector: *See*—
Ear protector.
Puller: *See*—
Nail puller.
Pulsation dampener. A. J. L. Hutchinson. 2,570,241, Oct. 9.
Pulsator for milking machines. C. B. Barber. 2,570,749, Oct. 9.
Pulse code modulation system. C. W. Earp and M. F. Wintle. 2,570,220–1, Oct. 9.
Pulse echo direction and distance indicator. J. M. Lester. 2,570,251, Oct. 9.
Pump: *See*—
Universal combination fuel and vacuum pump.
Pump. D. O. Manseau. 2,570,698, Oct. 9.
Pump control. F. T. Harrington. 2,570,342, Oct. 9.
Pump for automobiles and for other uses, Water. M. Hougue. 2,570,452, Oct. 9.
Pump governor. R. A. Spengler. 2,570,727, Oct. 9.
Pump with direction responsive impeller blades, Fluid. F. A. Rosenkrans and E. A. Wagner. 2,570,862, Oct. 9.
Purification of a confined atmosphere by a process of refrigeration. A. P. Colburn and B. F. Dodge. 2,571,014, Oct. 9.
Purification of organic nitriles. W. E. Grigsby and E. S. Bloom. 2,570,794, Oct. 9.
Purification of triaryl phosphates. D. F. Ponts. 2,570,480, Oct. 9.
Racing game apparatus, Pneumatic. J. C. Wilson. 2,571,081, Oct. 9.
Rack for delivery automobiles. R. O. Hatteburg. 2,570,802, Oct. 9.
Radar system with gating and synchronized recorder. J. P. Smith. 2,570,500, Oct. 9.
Radio beacon for aircraft. L. C. Stenning. 2,570,880, Oct. 9.

Radio calling system. C. W. Hansell. 2,571,031, Oct. 9.
Radio-frequency oscillator organization. J. C. O'Brien. 2,570,840, Oct. 9.
Radio indicator or dial, Calibrated traveling band. E. F. Shawver. 2,570,602, Oct. 9.
Radio interference eliminator. L. Freiberg. 2,570,440, Oct. 9.
Radio location. G. Kikkenhauser. 2,570,738, Oct. 9.
Radio receiving system. M. G. Crosby. 2,570,431, Oct. 9.
Radio reflector marker. C. W. Hansell. 2,570,549, Oct. 9.
Rail fastening device. A. R. Schulze. 2,570,871, Oct. 9.
Railway sleeping car. F. L. Murphy and J. E. Candlin, Jr. 2,570,837, Oct. 9.
Rake, Metal. J. Pfistershammer. 2,570,852, Oct. 9.
Reactions involving the use of hydrogen halides. J. D. Upham. 2,570,407, Oct. 9.
Rearview mirror support. J. W. Anderson, Jr. 2,571,002, Oct. 9.
Receiving device for the transmission of pictures. L. R. Bourgonjon, A. Horowitz, D. Kleis, F. C. W. Slooff, M. van Tol, and J. M. Unk. 2,570,313, Oct. 9.
Receptacle for feeding liquid food to humming birds. W. G. Thomas. 2,570,733, Oct. 9.
Reciprocating yarn carrier. R. E. Schletter. 2,570,387, Oct. 9.
Recorder, Engine power analyzer. J. E. Lindberg, Jr. 2,570,252, Oct. 9.
Recorder, Track. E A. Crawford. 2,570,648, Oct. 9.
Recovering tin from tin-bearing materials. I. E. Muskat and R. H. Taylor. 2,570,473, Oct. 9.
Recovery of magnesium, Continuous process for. F. J. Hansgirg. 2,570,232, Oct. 9.
Reduction of nitroaryl compounds. D. E. Sargent and G. W. Pedlow, Jr. 2,570,866, Oct. 9.
Reel: *See*—
Hose reel.
Reel spindle. E. W. Reynolds. 2,571,061, Oct. 9.
Regulation of high-frequency oscillators. O. F. Gullick. 2,570,798, Oct. 9.
Regulator: *See*—
Mixing regulator.
Relay with mechanical hold-in. H. L. Selden. 2,571,068, Oct. 9.
Relief valve. F. C. Biggert, Jr. 2,571,007, Oct. 9.
Remote-indicating fuel gauge. M. J. Draganjac. 2,570,218, Oct. 9.
Removing carbon monoxide from hydrocarbons. C. H. Watkins. 2,570,615, Oct. 9.
Removing defects in wood. J. A. Nylund. 2,570,588, Oct. 9.
Removing suspended solids from liquids. N. B. Bach. 2,570,304, Oct. 9.
Removing the crusts of the cooling elements of a continuously operating crystallizer, Method and apparatus for. L. Vahl. 2,570,612, Oct. 9.
Resilient car coupler support. K. E. Zeidler. 2,570,742, Oct. 9.
Resins from butadiene monoxide and from mixtures of butadiene monoxide and vinyl compounds, Production of. L. Schmerling. 2,570,601, Oct. 9.
Reversible ratchet wrench. J. S. Dodge and D. Campanile. 2,570,779, Oct. 9.
Rivet punch, Automatic. H. Weiss. 2,570,296, Oct. 9.
Roofing fastener. H. Abraham. 2,570,626, Oct. 9.
Rotary chipper-knife mounting. P. N. Ottersland. 2,570,845, Oct. 9.
Rotary "O" ring seal for roll-necks. S. A. Hastings. 2,571,035, Oct. 9.
Rotary seal. C. W. Chillson and J. M. Mergen. 2,570,427, Oct. 9.
Rotary shelf cabinet. J. Bailey. 2,570,747, Oct. 9.
Rotary turbine-type hydrokinetic coupling. R. C. Clerk. 2,570,768, Oct. 9.
Rubber to fabric adhesion with mixture of latex and polyamine-polyacid condensation product adhesive. M. W. Wilson. 2,570,895, Oct. 9.
Saccharin composition. F. E. Pilcher. 2,570,272, Oct. 9.
Sacrificial anode system for protecting metals in sea water. H. A. Robinson and H. A. Humble. 2,571,062, Oct. 9.
Safety control means for timber setting machines. J. D. Russell. 2,570,383, Oct. 9.
Salicylamide, Preparation of. W. R. Surine. 2,570,502, Oct. 9.
Saw, Portable mechanical. P. Marcerou. 2,570,700, Oct. 9.
Saxophone shield. H. W. Loney. 2,570,354, Oct. 9.
Scale for tightening corn planter wires. D. F. Christoffer. 2,570,321, Oct. 9.
Scraper, Dump truck. E. R. Jones. 2,570,244, Oct. 9.
Sealing agents. C. N. White. 2,570,892, Oct. 9.
Sealing structure. V. A. Grey. 2,570,441, Oct. 9.
Seat back cushion spring construction. D. H. Van Hove. 2,570,409, Oct. 9.
Seine pursing device. R. Sundberg. 2,570,285, Oct. 9.
Seismic surveying. J. O. Parr, Jr. 2,570,707, Oct. 9.
Selectively collecting and/or distributing articles. G. F. Chodsiesner. 2,570,918, Oct. 9.
Self-ejecting electric plug. J. J. Maisey. 2,571,046, Oct. 9.
Self-regulating stock tank. A. E. Langenbahn. 2,570,694, Oct. 9.
Semiconductor reactance circuit. H. C. Goodrich, Jr. 2,570,939, Oct. 9.
Semiconductor translating device. W. G. Pfann. 2,570,978, Oct. 9.
Separable chain fastener. B. B. Huisinga. 2,570,680, Oct. 9.
Separable pole clamp. E. W. Riemenschneider and W. C. Anderson. 2,570,985, Oct. 9.
Separator: *See*—
Battery separator.
Vapor separator.
Vegetable separator.
Series electronic switch. J. H. Felker. 2,570,225, Oct. 9.
Servomotor, Follow-up pneumatic. R. D. Wyckoff. 2,570,624, Oct. 9.
Setting machine and measuring apparatus, Coordinate. O. S. Reading. 2,570,275, Oct. 9.
7-chloro-6-ethoxy-3-heptenoic acid nitrile. G. E. Tabet. 2,570,886, Oct. 9.
7 - hydroxy - 1:2 - dialkyl - hydrophenanthrene - 2 - carboxylic acids, Preparation of. K. Miescher and J. Heer. 2,570,582, Oct. 9.
Sewing machine presser foot. T. Loew. 2,570,464, Oct. 9.
Shade roller winder. V. P. Brown. 2,570,638, Oct. 9.
Shaft coupling. R. C. Dehmel. 2,570,776, Oct. 9.
Shank stiffener for shoes. C. H. Grimshaw. 2,570,795, Oct. 9.
Sharp pulses, Production of. I. E. Grosdoff. 2,570,442, Oct. 9.
Sheet holder. B. K. Slonneger. 2,570,397, Oct. 9.
Shield for rotary mixers. E. I. Bogen. 2,570,310, Oct. 9.
Shift-over valve. A G. Winchester. 2,570,896, Oct. 9.
Shingle and shingle covering. R. Patterson. 2,571,057, Oct. 9.
Shipping case. T. J. Nelson. 2,570,973, Oct. 9.
Shuttle. J. E. Segee and W. J. Gosselin. 2,570,872, Oct. 9.
Shuttle valve. A. G. Winchester. 2,570,897, Oct. 9.
Signal attachment for index cards. H. N. Pitcher. 2,570,708, Oct. 9.
Signal means for battery chargers. L. A. Medlar. 2,571,048, Oct. 9.
Signal sampling. G. W. Gray. 2,570,790, Oct. 9.
Signal-translating system. A. Hazeltine. 2,570,805, Oct. 9.
Signal transmission network. N. Rochester. 2,570,716, Oct. 9.
Signaling system, Electric. D. S. Ridler and L. R. Brown. 2,570,279, Oct. 9.
Signaling system, Pipe-line scraper. L. A. Hugo and A. D. Baker. 2,570,951, Oct. 9.
Signaling system, Subscriber. N. W. Aram. 2,570,187, Oct. 9.
Signaling System, Subscription. N. W. Aram and J. E. Brown. 2,570,188, Oct. 9.
Siloxane elastomers comprising a modified acid polymer and filler. J. F. Hyde. 2,571,039, Oct. 9.
Sintered cobalt oxide pelleted catalyst. Preparation of a. A. B. Stiles. 2,570,882, Oct. 9.
Sizing textile warp yarns. J. J. McCarthy and W. J. Harrigon. 2,570,830, Oct. 9.
Skates, Roller. E. Kardhordo. 2,570,349, Oct. 9.
Slat structure for beds and the like. E. H. Anderson. 2,570,743, Oct. 9.
Sled and coaster, Convertible. J. B. Haywood. 2,570,674, Oct. 9.
Slide fastener. J. G. Soave. 2,571,072, Oct. 9.
Smoking pipe. C. H. Morris. 2,570,471, Oct. 9.
Snubber. A. F. O'Connor. 2,570,371, Oct. 9.
Soldering gun. J. L. Caliri. 2,570,762, Oct. 9.
Sorting case. S. R. Bolling. 2,570,636, Oct. 9.
Spade connector convertible to ring connector. Q. Berg. 2,570,753, Oct. 9.
Spinning cot. A. L. Freedlander. 2,570,935, Oct. 9.
Spinning of acrylonitrile polymers. G. S. Hooper and G. A. McFarren. 2,570,237, Oct. 9.
Spinning of acrylonitrile polymers. G. A. McFarren. 2,570,257, Oct. 9.
Sprayer, Water. M. Sigmund. 2,570,605, Oct. 9.
Spraying transparent coatings. A. E. Junge. 2,570,245, Oct. 9.
Spreading fluid clutch. H. E. Carnagua and D. W. Kelbel. 2,570,641, Oct. 9.
Spring actuated motor. E. Fields. 2,570,785, Oct. 9.
Spring device. A. F. O'Connor. 2,570,370, Oct. 9.
Spring mounting for chair seats and the like. M. Simmons. 2,570,396, Oct. 9.
Spring suspension. A. E. Murray. 2,570,969, Oct. 9.
Square and protractor, Combination. M. Luis. 2,570,356, Oct. 9.
Stabilization of copolymerizable polyestermonomer mixture by means of a solt of a substituted hydrazine. E. E. Parker. 2,570,269, Oct. 9.
Stabilization of phenol alkylates by amines. D. R. Stevens and S. C. Camp. 2,570,403, Oct. 9.
Stable histidine ascorbate. A. Walti. 2,570,734, Oct. 9.
Stamping machine. J. A. Bower. 2,570,756, Oct. 9.
Stand: *See*—
Adjustable oil jug stand.
Standard frequency generator. R. G. Legros. 2,570,461, Oct. 9.
Staple cutter. R. MacHenry. 2,570,466, Oct. 9.
Starch titanium reaction product. F. K. Signaigo. 2,570,499, Oct. 9.

Steam induction device for manifolds. E. S. Shultz. 2,570,394, Oct. 9.
Steering wheel brake. V. W. Rychwalski. 2,570,988. Oct. 9.
Stick dispensing and positioning apparatus. W. R. Weaver and J. M. Breese. 2,570,891, Oct. 9.
Stocking aligner. E. P. Rose. 2,570,987, Oct. 9.
Stone loading and transporting drag. R. A. Hendrickson. 2,570,343, Oct. 9.
Stool, Swing-away lavatory. L. R. Sabo. 2,570,865, Oct. 9.
Stop motion for textile machines. R. H. Roughsedge and H. G. Lustig. 2,570,381, Oct. 9.
Strainer, Blood. G. C. Puschelberg and W. B. Cooksey. 2,571,059, Oct. 9.
Straw, Multiple inlet drinking. L. E. Mitchell. 2,570,366, Oct. 9.
Stretcher, Boot. E. R. Hawkins. 2,570,552, Oct. 9.
Suction cleaner with pneumatic filter cleaning means. W. C. Bell and R. H. H. Press. 2,570,307, Oct. 9.
Suction cleaning device with a surface-agitating bar, J. F. Huber. 2,570,679, Oct. 9.
Supersensitized silver halide emulsions containing a meso-alkoxyl substituted carbocyanine and a 2,2' cyanine. M. A. Schouwenaars, L. A. Van de Straete, and O. H. Van den Broele. 2,570,494, Oct. 9.
Support: *See*—
Chart support.
Electric bag support.
Golf club bag support.
Rearview mirror support.
Resilient car coupler support.
Support for bicycle seats, Spring. A. E. Murray. 2,570,970, Oct. 9.
Supporting device for drop cloths. A. Hudoba. 2,570,555, Oct. 9.
Sweetening process. H. A. Ricards, Jr. and J. W. Ryder. 2,570,277, Oct. 9.
Sweetening process using alkali metal hydroxide containing high boiling mercaptan salts. J. W. Ryder. 2,570,278, Oct. 9.
Switch: *See*—
Electrical switch.
Electronic switch.
Film controlled motor switch.
Magnetic operated switch.
Series electronic switch.
Switch and operating means therefor. V. G. Farley. 2,570,783, Oct. 9.
Switch construction. C. H. Priesmeyer. 2,570,481, Oct. 9.
Switch for batteries or the like, Cutout. R. Pelletier. 2,570,704, Oct. 9.
Switch for dynamoelectric machines. S. S. Wolff. 2,570,998, Oct. 9.
Switch for panels, etc., Electric. H. J. Hammerly and A. H. Veitch. 2,570,229, Oct. 9.
Switch for vehicle lighting circuits, Direction. J. R. Hollins. 2,570,811, Oct. 9.
Switch mechanism, Snap. M. N. Russell and W. F. Zimmerman. 2,570,281, Oct. 9.
Switch parts, Making. J. W. Juvinall and A. L. Quinlan. 2,571,040, Oct. 9.
Switch plate for electrical switches. L. Newman. 2,571,054, Oct. 9.
Swivel coupling. A. N. Troshkin and I. D. Press. 2,570,406, Oct. 9.
Swivel joint. W. A. Humphrey. 2,570,347, Oct. 9.
Swivel terminal for cables. W. W. Mount. 2,571,052, Oct. 9.
Synchronizing arrangement for multiplex electrical pulse communication system. P. K. Chatterjea and L. W. Houghton. 2,570,207, Oct. 9.
Synthetic lubricants. J. J. Giammaria. 2,570,788, Oct. 9.
Synthetic material from starch or starch containing substances, Production of. D. Horsák. 2,570,449, Oct. 9.
System for controlling the operation of machining and cutting devices. W. S. Tandler and D. S. Walker. 2,570,403, Oct. 9.
Table and chair unit. D. L. Adsit. 2,570,301, Oct. 9.
Table top center section, Pedestal supported rotary. C. A. Bartschy. 2,570,634, Oct. 9.
Tail winding device. H. J. McDermott. 2,570,469, Oct. 9.
Tank: *See*—
Self-regulating stock tank.
Tank cleaner. H. F. Shoemaker. 2,570,603, Oct. 9.
Tank filler pipe and closure. J. F. Kirkbride and P. C. Whitener. 2,570,818, Oct. 9.
Tanks, ducts, and controls for the same, Solid contact. F. D. Prager and R. Welter. 2,570,590, Oct. 9.
Tap T for bathtubs set back to back, Dual. W. J. Collison. 2,570,525, Oct. 9.
Tape, Binding. D. J. Wall and G. F. Reinhard, Jr. 2,570,614, Oct. 9.
Tape dispenser. T. G. Schaible. 2,570,724, Oct. 9.
Tappet adjusting tool. J. Hammond. 2,570,230, Oct. 9.
Tappet for internal-combustion engines, Self-adjusting. D. H. Pierce. 2,570,853–4, Oct. 9.
Target, Surveying. Z. Kowalczyk. 2,570,458, Oct. 9.
Telescopic shock absorbing strut. J. Mercier. 2,570,362, Oct. 9.
Television, Coin-controlled. I. Kornberg and A. Bloom. 2,570,821, Oct. 9.
Television system. O. H. Schade. 2,570,723, Oct. 9.
Television system, Hotel. W. J. Oestreicher, S. Lida, and S. Jacobson. 2,570,475, Oct. 9.
Temperature actuated control. A. J. Huck. 2,570,453, Oct. 9.
Temperature control during exothermic reactions. W. E. Ross and E. B. Fountain. 2,570,487, Oct. 9.
Templet and jig, Automatic. J. Hornik, Sr. 2,570,950, Oct. 9.
Tensiometer, Deflection. I. S. Roberts. 2,570,486, Oct. 9.
Tertiary-amino-2-aryl-2-(4-quinolyl) alkane-nitriles and their preparation. A. R. Surrey and R. A. Cutler. 2,570,286, Oct. 9.
Textile. R. B. Cone. 2,570,526, Oct. 9.
Textile handling. L. Spinelli. 2,570,877, Oct. 9.
Textile treating solutions and compositions containing same. F. W. Lane and W. L. Dills. 2,570,566, Oct. 9.
Thermometer for fishermen. F. R. Steel. 2,570,879, Oct. 9.
Thin wires, Manufacturing. G. L. Schmidt. 2,570,869, Oct. 9.
Thiophene compounds from a sulfur dioxide and hydrogen sulfide mixture, Production of. W. F. Sager. 2,570,722, Oct. 9.
Thread-cutting tool. R. C. Pullon. 2,570,483, Oct. 9.
Three-way solenoid valve. F. W. Hottenroth. 2,570,450, Oct. 9.
Thyratron power inverter. G. W. Demuth. 2,570,651, Oct. 9.
Timing device. R. W. Boling. 2,570,754, Oct. 9.
Tin Hydrocarbons, Making. E. W. Johnson and J. M. Church. 2,570,686, Oct. 9.
Tire chain assembly. F. John. 2,570,685, Oct. 9.
Tobacco looper. R. Anderson. 2,571,003, Oct. 9.
Tobacco preparation and feeding, Cigarette. M. Patterson. 2,570,270, Oct. 9.
Toe nailed assembly and fitting therefor. W. M. Bushnell. 2,570,520, Oct. 9.
Toilet tissue cabinet. A. J. Scardina. 2,570,491, Oct. 9.
Tool: *See*—
Machine tool.
Piston regrooving tool.
Tappet adjusting tool.
Thread-cutting tool.
Tool chuck. R. Lee. 2,570,570, Oct. 9.
Tool for hanging doors. C. L. Cramer. 2,570,430, Oct. 9.
Toolholder, Floating. M. L. Benjamin and F. E. Winnen. 2,570,752, Oct. 9.
Toothbrush holder. A. M. Rosier. 2,570,380, Oct. 9.
Tooth paste dispenser. J. L. Booth. 2,570,755, Oct. 9.
Towing assembly, Boat. J. G. Dustin and L. Johnson. 2,570,656, Oct. 9.
Toy, Backboard and hoop. C. S. Redding. 2,570,860, Oct. 9.
Toy blocks, Magnetic. H. and V. Zimmerman. 2,570,625, Oct. 9.
Toy, Electromechanical. R. L. Chenault. 2,570,766, Oct. 9.
Toy film viewer. M. M. Brown. 2,570,913, Oct. 9.
Toy, Leaping figure. R. A. Miskin. 2,570,584, Oct. 9.
Toy, Movable figured push. E. R. Pringle. 2,570,709, Oct. 9.
Toy vehicle. D. G. Rempel. 2,570,711, Oct. 9.
Toy watch, Ticking. L. Wise. 2,570,740, Oct. 9.
Toy, Wheeled animal figure. M. Meth. 2,570,834, Oct. 9.
Trackway guided bed. W. L. Hoffmann and A. E. Lennstrom. 2,570,344, Oct. 9.
Tractor for hauling mine cars, Low-height. J. Cassady. 2,570,319, Oct. 9.
Trailer boat construction. C. A. Davis. 2,570,528, Oct. 9.
Trailer hitch. E. E. Fobes and R. P. Rutter. 2,570,933, Oct. 9.
Transfer mechanism. R. M. Gamble. 2,570,660, Oct. 9.
Transfer mechanism. H. F. Phillips. 2,570,389, Oct. 9.
Transfer mechanism, Container. L. Brager. 2,570,198, Oct. 9.
Transformer, High-frequency wide band coupling. N. E. Davis. 2,570,650, Oct. 9.
Transformer, Intermediate frequency. L. E. Barton. 2,570,633, Oct. 9.
Transmission. A. Y. Dodge. 2,570,327, Oct. 9.
Transmission. B. T. Malachowski. 2,570,467, Oct. 9.
Transmission line system. R. W. Masters. 2,570,579, Oct. 9.
Trap hook. A. E. Zech. 2,570,999, Oct. 9.
Traveling detector for waves propagated through a wave guide. A. T. Nordsieck. 2,571,055, Oct. 9.
Tray fence. F. A. Rhine. 2,570,712, Oct. 9.
Treatment of oxidation products. H. K. Dice and R. L. Mitchell. 2,570,216, Oct. 9.
Trough for motor vehicle ventilating windows. K. G. Anderson. 2,570,744, Oct. 9.
Truck with hand tilted frame, Industrial. D. A. Lyons. 2,570,256, Oct. 9.
Trunking system for telephone exchanges, Dial-back. R. T. Campbell. 2,570,763, Oct. 9.
Tube coupling. T. M. Fason. 2,570,224, Oct. 9.
Tube having a rotary anode, X-ray. B. Combee. 2,570,770, Oct. 9.
Tubes with reflector electrodes, Velocity modulated beam. E. Touraton, R. Zwobada, and A. M. Gratsmuller. 2,570,289, Oct. 9.
Tumbler having operation sequence controls, Drying. H. C. Ellis. 2,570,437, Oct. 9.
2,3-dimethylalkanes, Production of. C. B. Linn. 2,570,574, Oct. 9.

Undergarment. M. H. Senderowitz. 2,570,497–8. Oct. 9.
Unidirectional strand processing machine. L. Ilmer. 2,570,953, Oct. 9.
Universal automobile cover. C. F. Elliott. 2,570,533, Oct. 9.
Universal combination fuel and vacuum pump. M. Katcher. 2,570,560, Oct. 9.
Vacuum distillation of reduced crude. R. B. Smith. 2,570,607, Oct. 9.
Vacuum gauge. E. C. Hass. 2,570,943, Oct. 9.
Vacuumizing and closing machine with rotary bell turret, vertically movable, can supporting, bell closing pads, and pad movement rate control means. A. L. Kronquest. 2,570,956, Oct. 9.
Value indexing mechanism. C. P. Karr. 2,570,456, Oct. 9.
Valve: *See*—
Automatic sealing gate valve.
Automatic shutoff valve.
Flow-regulating valve.
Foot valve.
Mixing valve.
Outboard motor underwater exhaust valve.
Pressure and temperature relief valve.
Relief valve.
Shift-over valve.
Shuttle valve.
Three-way solenoid valve.
Valve fitting, Container. G. A. Benson, J. Coyle, and W. F. Punte. 2,570,909, Oct. 9.
Valve for fluid-pressure systems. F. Gash. 2,570,937, Oct. 9.
Valve for oil well tubing. W. E. Halbert. 2,570,667, Oct. 9.
Valve for pressure cookers, Adjustable relief. E. G. Grundstrom. 2,570,228, Oct. 9.
Valve reconditioning chuck. F. G. Livingston and O. B. Harmes. 2,570,825, Oct. 9.
Valvular device for fluid-injecting golf ball centers. J. R. Gammeter. 2,570,787, Oct. 9.
Van, Refrigerated transit. B. E. Williams and A. R. Redrow. 2,570,415, Oct. 9.
Vane type hydraulic clutch. W. A. Roth. 2,571,063, Oct. 9.
Vapor separator. L. E. Johnson. 2,570,557, Oct. 9.
Variable automatic clearance pocket. C. O. Meyers. 2,570,965, Oct. 9.
Variable distribution of fuel spray for direct fuel injection internal-combustion engines. R. J. Welsh. 2,570,616, Oct. 9.
Variable reactance transistor circuit. H. C. Goodrich, Jr. 2,570,938, Oct. 9.
Vegetable separator. G. J. Olney. 2,571,056, Oct. 9.
Vehicle: *See*—
Occupant-propelled step-by-step vehicle.
Toy vehicle.
Vending machine, Bottle. W. W. Bowman. 2,570,516, Oct. 9.
Venetian blind. J. R. Brown. 2,570,199, Oct. 9.
Venetian blind. S. Spiegel. 2,570,608, Oct. 9.
Venetian blind rail tape clamp. B. B. Junkunc. 2,570,455, Oct. 9.
Venetian blind slat structure. I. J. Herman. 2,570,807, Oct. 9.
Ventilator and weather head. C. D. Lutton. 2,570,959, Oct. 9.
Vertical axis circular swing. J. Psalia. 2,570,981, Oct. 9.
Vertical line number translator. O. Myers. 2,570,971, Oct. 9.
Vessel, Jet-propelled. F. B. Romero. 2,570,595, Oct. 9.
Vibration absorber. K. J. Manion. 2,570,577, Oct. 9.
Vinyl aromatic compounds, Production of. D. B. Hatcher and R. H. Bunnell. 2,570,551, Oct. 9.
Vinylidene chloride interpolymer as a coating for regenerated cellulose film. G. Pitzl. 2,570,478, Oct. 9.
Vise having swivel jaw clamped to base in proportion to clamping pressure on workpiece. L. Purpura. 2,570,857, Oct. 9.
Visor, Retractable sun. H. J. Smith. 2,570,399, Oct. 9.
Washing machine. J. A. Dolan. 2,570,529, Oct. 9.
Water softening system and apparatus. L. E. Albertson. 2,571,000, Oct. 9.
Wave guide attenuator. W. A. Joerndt and R. W. Larson. 2,570,813, Oct. 9.
Wave guide attenuator. W. A. Joerndt. 2,570,814, Oct. 9.
Web aligning device. P. Levine. 2,570,695, Oct. 9.
Welded frame structure. J. J. Grebe and W. B. Ewing. 2,570,791, Oct. 9.
Wet extrusion of acrylonitrile polymers. H. A. Bruson. 2,570,200, Oct. 9.
Wheel cover. G. A. Lyon. 2,570,255, Oct. 9.
Width grading shoe lasts. W. M. Biddle. 2,570,510, Oct. 9.
Window. E. Clerk. 2,570,523, Oct. 9.
Window sash. H. D. Burgess. 2,570,519, Oct. 9.
Window sash control and weather strip. J. N. Bond. 2,570,312, Oct. 9.
Window sash, Removable. R. J. Riley. 2,570,986, Oct. 9.
Window sill and ledge structure. W. C. Fouts. 2,570,336, Oct. 9.
Wire drawing apparatus. F. F. Bain and O. Broun. 2,570,748, Oct. 9.
Wire winding device. C. V. Lindbloom. 2,570,575, Oct. 9.
Wool combining machine. W. E. Christensen, W. B. Smith, and J. J. Sandy. 2,570,767, Oct. 9.
Wrench: *See*—
Reversible ratchet wrench.
Wrench for nuts or like polygonal objects, Self-adjusting. M. F. Stellinger. 2,570,991, Oct. 9.
Wrench, screw-driver, or similar device, Gear-operated, angularly adjustable. V. A. Peluse. 2,570,706, Oct. 9.
Writing machine, Music. R. C. Eglan. 2,570,330, Oct. 9.
X-ray cone assembly. M. Knab. 2,570,820, Oct. 9.
Yarn guide for full-fashioned knitting machines. E. W. Kaul. 2,570,388, Oct. 9.
Yarn tensioning device. E. A. Wentz. 2,570,617, Oct. 9.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 9, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number.

2— 33: 2,570,987
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Des. 164,804: D44—1
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Classification of Designs

D 1— 2: Des. 164,757
D 3—25: Des. 164,789
D 4— 2: Des. 164,787
D10— 7: Des. 164,774
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D85— 2: Des. 164,771
D87— 3: Des. 164,769
D91— 1: Des. 164,770
3: Des. 164,822
D92— 1: Des. 164,802
D93— 3: Des. 164,761

U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business Sept. 21, 1951

Total number of patent applications awaiting action, 109,022. Date of oldest new application, November 2, 1950; date of oldest amended application, October 31, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	11-3-50	10-31-50	2342
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	12-23-50	12-22-50	1323
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	1-30-51	1-24-51	1536
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	12-2-50	11-27-50	1995
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	2-7-51	2-7-51	950
6. SURLE, H., Carbon Chemistry (part)	12-14-50	12-9-50	1884
7. GONSALVES, J. E., Optics; Photography (part)	1-22-51	1-18-51	1298
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	12-13-50	12-8-50	1953
9. BRANSON, J. H. (Acting), Pumps and Fans; Fluid Motors	12-8-50	12-8-50	1592
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12 1-50	12-6-50	1260
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	12-18-50	12-5-50	1015
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-4-51	12-28-50	1168
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	11-16-50	11-6-50	1260
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	11-27-50	11-22-50	1612
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-17-51	2-7-51	1346
16. LOVEWELL, N. N., Television, Telephony	11-22-50	11-28-50	1356
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	11-22-50	11-22-50	1640
18. KURZ, J. A., Power Plants; Speed Responsive Devices	12-29-50	12-16-50	1358
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	11-17-50	11-17-50	1199
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	11-20-50	11-20-50	1528
21. MADER, R. C., Textiles	11-13-50	11-14-50	1741
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	11-24-50	11-21-50	1278
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-24-50	11-22-50	878
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	1-24-51	1-24-51	1774
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-29-50	12-16-50	1408
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	11-27-50	11-22-50	1217
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	11-3-50	11-3-50	2228
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	11-21-50	11-21-50	1591
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-14-50	1691
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	1-22-51	1-22-51	1598
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	1-24-51	1-12-51	2001
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-1-50	12-4-50	1390
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	12-12-50	1-2-51	2176
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	12-1-50	11-17-50	1292
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-4-50	12-8-50	1665
36. McFADYEN, A. D., Measuring and Testing	11-20-50	11-24-50	1298
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	1-5-51	1-3-51	1333
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	12-30-50	12-7-50	1316
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	12-29-50	12-29-50	2200
40. DRUMMOND, E. J., Receptacles (part); Packages	12-1-50	12-1-50	2733
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-16-50	11-16-50	1331

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 109,022. Date of oldest new application, November 2, 1950; date of oldest amended application, October 31, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	11-24-50	11-22-50	2097
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	2-24-51	2-19-51	1017
44. HARVEY, L. P., Beds; Chairs, Seats	11-22-50	11-7-50	1551
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	11-2-50	11-1-50	1699
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	12-6-50	12-11-50	1088
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	12-22-50	12-12-50	1483
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-19-50	12-27-50	899
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	12-12-50	12-4-50	1622
50. LEVIN, S., Synthetic Resins	3-15-51	2-17-51	1309
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	11-24-50	11-25-50	1158
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-18-50	11-17-50	2448
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	1-30-51	1-9-51	973
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	11-30-50	11-10-50	1722
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1-16-51	1-17-51	1117
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	1-2-51	1-2-51	1562
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	12-23-50	12-22-50	1736
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	12-13-50	11-30-50	1208
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	12-22-50	12-26-50	1356
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-4-50	11-30-50	1232
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	11-20-50	11-18-50	1558
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	11-30-50	11-24-50	1575
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	1-24-51	1-24-51	1707
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-16-51	2-9-51	1811
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-27-50	12-22-50	1611
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	11-15-50	11-14-50	1278
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	12-30-50	12-23-50	1400
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12-8-50	12-8-50	1745
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	11-17-50	11-17-50	1382
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Actinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	11-20-50	11-15-50	1683
DESIGNS: A. BREHM, G. L., Industrial Arts	4-10-51	5-1-51	1365
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	5-29-51	5-12-51	616

Total number of trade-mark applications awaiting action (including renewals and republications), 17,293. Date of oldest new application, Feb. 9, 1951; date of oldest amended application, Feb. 8, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	2-10-51	2-15-51	5424
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	3-14-51	3-1-51	3256
Renewals (All Classes)	7-13-51	8-16-51	564
Republications (All Classes)	8-1-51	8-16-51	219
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	2-9-51	2-8-51	4264
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	3-2-51	2-26-51	3566

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

COTY, INC. *v.* PERFUMES HABANA, S. A.

No. 5806. Decided June 26, 1951

[— F.2d —; 90 USPQ 228]

1. TRADE-MARKS—CONFUSION OF THE PUBLIC "L'ORIGAN" AND "CHERIGAN."

The decision of the Commissioner of Patents dismissing the opposition is reversed for the reasons stated in the decision in appeal No. 5805.

APPEAL from the Patent Office. Opposition No. 26,571.

REVERSED.

Robert I. Dennison (*S. Stephen Baker* of counsel) for appellant.

No appearance for appellee.

O'CONNELL, *J.*:

The questions of law presented for determination in this appeal by the unsuccessful opposer from the decision of the Commissioner of Patents, 83 USPQ 438, reversing that of the Examiner of Trade-Mark Interferences in an opposition proceeding, are identical with those presented in the controversy between the same parties in the companion appeal, No. 5805, decided concurrently herewith.

The opposition is based upon the same three marks and the prior registrations thereof by appellant-opposer described in the companion appeal; namely, "Lorigan," "L'Origan," and "L'Origan," with the pictorial feature of a leaf, registered August 5, 1924, for use on identical goods, or goods of the same descriptive properties, for which the applicant sought to register its mark.

The record discloses that on July 7, 1945, the applicant hereinbefore described filed an application for another mark for use on the same kind of goods. The applicant's second mark, as shown in the accompanying drawings, likewise consisted of four parts: a box frame or outline within which the words "fleurs de" are printed above a pictorial feature of two leaves, beneath which is the word "Cherigan" in printed script. The leaves of the applicant's mark are substantially identical with the leaf or leaves in the specimens of its marks submitted by appellant with its notice of opposition.

The Examiner in the second proceeding held that the words "fleurs de" were merely the French equivalent for the English words "flowers of" and possessed little if any trade-mark significance; that purchasers would rely on the word "Cherigan" in calling for and identifying the source of applicant's products; and that that word, for the reasons stated in the companion opposition, was confusingly similar to appellant's mark "L'Origan," with or without the accompanying leaf. The Examiner further held that the applicant was not entitled to register its second mark.

The Commissioner in reversing the Examiner's decision in the second proceeding, 83 USPQ 438, relied upon his comments and conclusions in the first case. This court, in turn, hereby reverses the decision of the Commissioner in the second proceeding, for the reasons set forth in our decision in the companion appeal.

REVERSED.

WORLEY, *J.*, dissents.

U. S. Court of Customs and Patent Appeals

AUGUSTUS C. DURDIN III *v.* NORDELL

No. 5809. Decided June 26, 1951

[190 F.2d 211; 90 USPQ 228]

1. INTERFERENCE—RIGHT TO MAKE COUNT—LIMITATIONS NOT TO BE READ INTO COUNTS.

Since limiting language was available to appellant, in whose case the claims originated, at the time the claims were drawn and he did not choose to use such language, *Held* that, in a later interference proceeding, he is not in a position to insist that limitations be read into the counts for the purpose of avoiding the issue of priority.

2. SAME — SAME — CONSIDERATION OF PRIOR ART NOT PROPER IN CONSTRUING UNAMBIGUOUS COUNT.

Although it is true that where the language of a count is ambiguous, construction of the count to make it patentable over cited prior art is permissible, *Held* that the rule does not apply to an unambiguous count to distort the plain meaning thereof.

3. SAME—PRIORITY OF INVENTION—LIQUID TREATING APPARATUS.

The decision of the Board of Interference Examiners awarding priority of invention of the counts in issue to appellee is affirmed.

APPEAL from Patent Office. Interference No. 83,784.

AFFIRMED.

Frank D. Prager for appellant.

Brown, Jackson, Boettcher & Dienner (*Arthur H. Boettcher* of counsel) for appellee.

JOHNSON, *J.*:

This case is before us on an appeal from a decision of the Board of Interference Examiners holding

Vol. 651 • No. 2 Tuesday, October 9, 1951 Price $33.00 per year

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that the counts in issue are readable on the original disclosure of the appellee and awarding priority of invention to him.

On November 28, 1947, appellee Nordell filed an application for reissue of Patent No. 2,418,189, "Traction Drive for Liquid Treating Apparatus," issued April 1, 1947, and applied for August 23, 1941. The disclosure of the Nordell reissue application is identical with that of the original patent and the claims differ only in that two have been added which were copied from the Durdin patent. The Primary Examiner rejected those two claims on the ground that they were not supported by the disclosure, Nordell appealed, and the Board of Appeals in a decision of December 31, 1948, reversed the Examiner. On March 22, 1949, an interference was declared between the Nordell reissue application and the Durdin patent.

The party Durdin filed his application, Serial No. 507,631, on "Liquid Treatment with Solids Impeller Means Having a Normally Submerged Drive Wheel," on October 25, 1943, and prosecuted it through a final rejection, appeal, and allowance by the Board of Appeals in a decision of July 9, 1947. The application issued as Patent No. 2,427,091 on September 9, 1947, and some ten or twelve weeks later the party Nordell filed his reissue application requesting an interference therewith.

Preliminary statements were filed and when the party Durdin failed to allege a date prior to the filing date of the original Nordell application he was placed under an order to show cause why judgment should not be entered against him. The party Durdin responded by filing a motion to vacate the order and to dissolve the interference on the ground that the party Nordell's original application did not disclose the invention of the counts, and that Nordell was consequently not entitled to the benefit of the filing date of that application and was in fact the junior party.

The decision by the Board of Interference Examiners on final hearing, awarding priority to the party Nordell, is the decision on review.

There is no question as to dates. Nordell is the earlier. The determinative issue is whether the two counts read on Nordell's original disclosure.

The invention of both parties has to do with liquid clarifiers, such as those employed by municipalities and process industries to remove suspended solids from a flow-through of raw water, and particularly to the means for driving scrapers which remove the precipitated solids from the clarifier tank. These scrapers are referred to in the counts as "solids impeller means."

Both apparatuses comprise a large circular tank, to which the raw water is continuously admitted while being kept as quiescent as possible in order that the suspended solids will subside. The clarified liquid overflows a weir into a launder, and thence to an outlet. The settled solids are scraped from the bottom of the tank towards a sludge outlet in the middle of the circular bottom, the latter being coned downwardly from its periphery to such outlet. The scrapers are carried by a radial bridge structure which rotates on a fixed pivot in the center of the tank and extends to the rim of the tank. This bridge structure comprises a bridge over the liquid level and scraper carrying truss arms below the liquid level extending radially in the lower portion of the tank. A power driven unit connected to the end of the bridge rotates the bridge by means of a traction wheel which engages a circular track.

It was old in the art to have the track on the top wall of the tank, although this construction was beset with the various difficulties caused by accumulations of ice and snow on the traction surface usually resulting in loss of traction. Both parties solved this difficulty by using a circular track under the liquid surface.

The party Durdin supports the outer or rim end of the bridge on wheels carried by the bridge and riding over the top surface of the vertical tank wall. Attached to the rim end of the bridge is a swingable frame pivoted on a horizontal axis which lies above and substantially tangent to the tank wall. This frame, the normal position of which is horizontal, carries a vertically positioned drive motor, a reduction gear, and a drive wheel mounted on a downwardly extending vertical shaft, which is driven by the motor through the reduction gear. The drive wheel is disclosed as being supplied with a resilient tire which tire makes contact with the vertical inner surface of the tank wall. That surface comprises the track or driveway. Since the entire power unit is mounted on the swingable frame, the drive wheel is urged against the tank wall with a constant force and is free to follow the contour of the wall, thus eliminating the necessity for an accurately circular driveway or track. As the tank is always kept full of liquid the driveway and drive wheel are always submerged.

The party Nordell shows several species of his invention, only one of which need be explained in detail. In his first embodiment Nordell provides an annular track or rail mounted on the inner side of the tank wall and disposed a sufficient distance below the surface of the liquid to prevent its being covered by ice. The outer end of the bridge is supported by a carriage whereon is mounted a wheel which rides over the submerged annular track. Also mounted on the carriage are a motor, a reduction gear, and a drive chain, all of which cooperate to rotate the wheel and thereby move the bridge and connected scrapers. If the foregoing arrangement does not provide sufficient tractive force, Nordell provides a second wheel which contacts the under surface of the annular rail and is driven by the motor. The two wheels are mounted in spaced horizontal relationship. Connected to the wheels and carriage is a linkage, not of importance here, which urges the wheels against the track with a force proportionate to the amount of sludge the scrapers are then encountering.

A second embodiment of Nordell's invention utilizes the same submerged annular track but derives its traction from a rack and pinion arrangement, the under side of the track being provided with rack teeth for this purpose.

Still a third embodiment eliminates the annular track mounted on the tank wall and utilizes a drive wheel which rolls along the tank bottom.

The counts of the interference read as follows:

1. In apparatus for the treatment of liquid with precipitation of solids, a tank having a wall associated therewith, which wall presents a submergible and normally submerged driveway in the tank; liquid inlet and outlet means associated with the tank, whereby a liquid level can be substantially maintained in the tank, above said driveway; a frame structure adapted to be moved along said driveway; means to support said frame structure while allowing it to be moved; solids impeller means in the tank, mounted on said frame structure; a drivewheel mounted on the frame structure and adapted to contact said driveway in a direction normal to said driveway and to the periphery of said drivewheel, with sufficient pressure to provide traction; and motor means mounted on said frame structure to drive said drivewheel and thereby to drive said frame structure and solids impeller means.

2. Apparatus according to count 1 wherein said tank is substantially circular, said wall is substantially peripherally located, said liquid outlet means, driveway and drivewheel are located substantially at the top of the tank, and said liquid inlet means is located remotely from said liquid outlet means, whereby said drivewheel is protected from adverse effects of the climate and of the solids precipitated in the tank.

It was agreed in oral argument that if count 1 is readable on the Nordell disclosure in the manner which the Board of Interference Examiners held it was, then count 2 is also readable and need not be discussed.

The precise question of readability, or as it is sometimes put, ability to make the counts, was decided ex parte by the Board of Appeals in the Nordell case and later decided inter partes before the Board of Interference Examiners. While the two decisions agree as to the result, they agree on little else, and since the ex parte decision was in no way binding in the inter partes proceeding, reference thereto would only unduly lengthen this opinion and has been omitted.

It is Durdin's contention that the Nordell disclosure fails to cover the following two limitations in count No. 1:

A. * * * a tank *having a wall associated therewith, which wall presents a submergible and normally submerged driveway in the tank*; * * *

B. * * * a drivewheel mounted on the frame structure and *adapted to contact said driveway in a direction normal to said driveway and to the periphery of said drivewheel*, with sufficient pressure to provide traction; * * * [Italics ours.]

Taking these limitations in order, the party Durdin contended that the bottom of the tank is not a wall and that Nordell's third embodiment is thus excluded. The Board of Interference Examiners, hereinafter referred to as the Board, held that the word "wall" was ambiguous and that being so it was proper to look to the Durdin patent in which it originated for interpretation. *Malm et al.* v. *Schneider*, 26 CCPA (Patents) 783, 10 F.2d 201, 40 USPQ 364, 502 O. G. 1178. They concluded that the Durdin specification clearly referred to the side wall whenever it mentioned "wall," and that this being the case the counts were not readable on the third Nordell embodiment wherein the drive wheel runs along the tank bottom. With this view we concur.

The Board was of the further opinion that the word "presents" in the context "the wall presents" connotes a relationship wherein the driveway is a part of the wall itself, and that while a structure in which the wall supports or carries the driveway might be equivalent thereto, the doctrine of equivalents has no application in an interference proceeding. *Mitchell et al.* v. *White*, 25 CCPA (Patents) 788, 93 F.2d 216, 36 USPQ 59, 490 O. G. 485. Since in Nordell's first two embodiments the wall supports or carries the driveway the counts do not read thereon, and so the Board concluded. The Board went on, however, to point out the following passage in Nordell's specification and found therein a sufficient disclosure to support the counts. We reproduce that passage below:

* * * In Figure 2 I have shown the track, 30, as mounted away from the wall, 12, of the tank. However, it will be understood that such a track may be embedded in, as well as supported by, *any wall*, including the floor, *or may even be such a wall itself*. It will also be understood that such a track may be suitable for supporting weight or furnishing traction, or both. In this specification, and in the claims which follow, the word "track" is used in its broad sense to include any tank wall or any rail or track mounted thereon. * * * [Italics ours.]

Since Nordell's disclosure shows no embodiment wherein the driveway or track is vertical, the quoted passage cannot be relied upon to bring such an embodiment within the comprehension of the specification. Nordell does, however, show several species of flat annular driveways mounted on the side wall of the tank, and the quoted matter from the specification seems clearly to teach and cover a structure wherein the drive wheel rides on the top of the upright wall. The party Durdin concedes that the specification suggests driveways of that type, but argues that even if such a structure was disclosed the language of the count, "which wall presents a submergible and normally submerged driveway *in the tank*," clearly distinguishes thereover. It is appellant Durdin's contention that the italicized phrase limits the wall to a "non-horizontal" wall because the top of the vertical wall is not within the tank. We cannot agree.

It seems clear to us that Nordell's specification clearly embraces a driveway on the wall top and that the very fact that the driveway need be under the liquid surface necessitates a weir edge radially beyond the driveway, as Durdin's Exhibit A pictures, and that the drive wheel and driveway being thus submerged are a priori "in the tank."

[1] The party Durdin in argument continually refers to his specification for interpretation of various limitations in the counts while urging their ambiguity. If in fact the counts were as ambiguous as appellant contends, there would be a serious question of validity for lack of compliance with section 4888 of the Revised Statutes. But we do not consider such to be the case. The counts are amply clear and ambiguity only arises when appellant tries to read into the broad language limitations appearing only in the specification. This may not be done. *Field* v. *Stow*, 18 CCPA (Patents) 1437, 49 F.2d 840, 9 USPQ 347, 412 O. G. 557. Limiting language was readily available to appellant at the time the claims were drawn, as his specification indicates, and since he did not choose to utilize such language in the claims he is now in no position to insist that limitations be read into the counts for the purpose

of avoiding the issue of priority. In accordance with settled authority the counts should be given the broadest interpretation which they reasonably will support. *Field* v. *Stow*, supra; *Deibel* v. *Heise & Schumacher*, 18 CCPA (Patents) 907, 46 F.2d 570, 8 USPQ 162, 405 O. G. 845.

Appellant's second and perhaps major contention is that limitation B above is not readable on the Nordell disclosure. The Board found that it was, but appellant Durdin objects that the "adapted to" phrase defines a motion rather than a position or attitude and thus the Nordell structure is excluded. The Durdin drive mechanism including the drive wheel is mounted on the swingable frame so that when the mechanism is moved from the inoperative to the operative position the drive wheel swings through an arc and moves into contact with the driveway. Appellant argues that the "adapted to" phrase limits the structure of the count to such a motion. Since this appears to be the main issue in the case we reproduce again the precise words with further emphasis on those which Durdin contends are critical:

> * * * adapted to *contact* said driveway *in a direction normal* to said driveway and *to the periphery of said drivewheel* * * *.

When these words are viewed in the setting of a driveway, a frame structure to be moved thereover, a motor, and a drive wheel mounted on the frame structure, it does not appear that they are in the least ambiguous. Each word has a commonly understood meaning and the claim structure in which they are cast is not only common but one of the most familiar types. Appellant has chosen to insert his limitation in the form of a functional "adapted to" phrase, hardly to be called rare in claim structure. The preposition "to" thus used has no particular significance whatsoever as indicative that the following verb is one of motion rather than position. The "to" is made absolutely indispensable through choice of the functional rather than the positive method of statement. The actual limiting effect of such a functional phrase has not been raised thus far in the prosecution and we express no opinion thereon, but assume it to be limiting since the result we reach is independent of its limiting effect.

Viewed in context we think it clear that the phrase in question specifies a relationship of parts and not any direction of movement. This view is strengthened by consideration of the entire count which calls for a motor driving a drive wheel which in turn contacts a driveway to propel the frame structure therearound. The picture presented is clear and complete, calling for no excursion into the specification for additional limitations. This concept of constant, firm contact is strengthened by the phrase "with sufficient pressure to cause traction." At no place in this count do we perceive a description or even a suggestion of motion other than that imparted to the frame structure by the drive wheel.

Appellant argues that "the basic context of the phrase 'to contact' * * * is: '*in a direction*'," and that this indicates a movement and not a condition or position. We cannot agree. Funk and Wagnalls New Standard Dictionary, 1942, gives as a definition of "direction":

> The trend of a line or of a course of motion, as determined by its parallelism or deviation from parallelism with some line assumed as a standard: * * *

Thus, while the word may be used to indicate motion, it is as frequently used to indicate the relative relationship of two lines or objects. The latter is the more obvious meaning in this case. The wheel contacts the driveway at an inclination (the dictionary indicates this word to be synonymous with direction) normal to the driveway and to the periphery of the wheel. Appellant repeatedly compared the contact of his drive wheel to that of an automobile wheel with the road. We agree with the comparison, and think that the disputed phrase aptly describes such contact, and also think that the contact of Nordell's drive wheels fits equally well the comparison and description. In the context of the count, which refers to the manner in which a drive wheel contacts a driveway with sufficient pressure to provide traction, it is necessary that direction in two dimensions be specified in order to completely define the relationship of the parts. One dimension is satisfied when the plane of the wheel is normal to the driveway and the other is satisfied when the pressure urging the wheel into contact with the driveway is normal to the periphery, i. e., to its tangent at the point of contact. This, we believe, is the relationship clearly brought to mind by the language of the count.

There is no language in the count which calls for any such motion on the part of the drive wheel as appellant would have us interpret this limitation to specify. It might well be that appellant had such a motion limitation in mind when the claim was drafted, but the claim structure chosen is commonplace and the language is clear, and in its clear meaning it does not recite a motion limitation. It is axiomatic that interference counts are to be given the broadest construction that their language will reasonably support, and limitations are not to be read into them to meet the exigencies of a particular situation. *Sweetland* v. *Cole*, 19 CCPA (Patents) 751, 53 F.2d 709, 11 USPQ 174, 415 O. G. 4; *Martin* v. *Friendly*, 19 CCPA (Patents) 1181, 58 F.2d 421, 13 USPQ 201, 422 O. G. 6. The disputed limitation in its clear and broadest sense is fully readable on Nordell's disclosure.

[2] Appellant urges upon us consideration of a British patent which he himself cited in the ex parte prosecution of his case. This patent, it is contended, should be looked to to clarify the ambiguities in the count, since, appellant further contends, Nordell's disclosure is anticipated by the patent if broad enough to cover the counts. It is true that where the language of a count is ambiguous, construction of the count so as to make it patentable over patents cited in ex parte consideration is permissible, *Holdsworth* v. *Goldsmith*, 29 CCPA (Patents) 1047, 129 F.2d 571, 54 USPQ 90, 542 O. G. 791; but it is also true that the plain meaning of an unambiguous count may not be distorted for the purpose of avoiding either the prior art or a priority contest. *Holdsworth* v. *Goldsmith*, supra; *Deibel* v. *Heise & Schumacher*, supra, and cases cited therein. The question of patentability will not be considered by this court in an interference proceeding. *Normann et al.* v. *Schmidt*, 29 CCPA (Patents) 822, 125 F.2d 162, 52 USPQ 342, 539 O. G. 739; *Chamberlain* v. *Kleist*, 27 CCPA (Patents) 1300, 112 F.2d 846, 46 USPQ 93, 521 O. G. 638, and cases cited therein. The only ambiguity which we have been able to detect in the counts in issue related to the meaning of the word "wall." Following well settled procedure, *Robie* v. *Netherly et al.*, 36 CCPA (Patents) 805, 172 F.2d 557, 80 USPQ 492, 624 O. G. 6; *Robie* v. *Carlton*, 36 CCPA (Patents) 739, 171 F.2d 310, 80 USPQ 102, 620 O. G. 5, we have looked to appellant's specification for further definition and found the ambiguity removed by the usage there. We see no need to refer to the British patent.

For the reasons hereinbefore set forth we are of the opinion that the Nordell disclosure supports the counts before us. [3] The decision of the Board of Interference Examiners is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE LOCKHART

No. 5783. Decided June 26, 1951

[190 F.2d 208; 90 USPQ 214]

1. PATENTABILITY—INVENTION—MAKING SEPARATE PARTS INTEGRAL MUST INVOLVE MORE THAN MECHANICAL SKILL.

Held that while there may be invention in making integral that which was separate, it is essential that the unification or integration involve more than mere mechanical skill, and mere improvement in results will not take the case out of the general rule.

2. SAME — PARTICULAR SUBJECT MATTER — HYPODERMIC SYRINGE.

A certain claim to a hypodermic syringe *Held* properly rejected as not involving invention over the cited prior art.

APPEAL from the Patent Office. Serial No. 556,737.

AFFIRMED.

Duell and Kane and *David S. Kane* (*Albert F. Bower* of counsel) for appellant.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

WORLEY, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner finally rejecting claim 26 of appellant's application, Serial No. 556,737, for a patent relating to "Hypodermic Syringes." Five claims were allowed.

The appealed claim reads as follows:

> 26. A hypodermic syringe including a base formed with an unobstructed opening through which a stoppered ampule may be longitudinally inserted, an open-sided body presenting an ampule-receiving chamber aligned with said base opening, a needle-mounting portion forming a part of said body at the end thereof opposite said base, means associated with said mounting portion whereby a needle may be retained against movements with respect to the same, a thrust portion integral with and extending from said mounting portion towards said base, inwardly of said chamber, and in spaced relationship to the adjacent inner faces of said body, said thrust portion being of less length than the body of said syringe and these parts being proportioned to assure that the outer end of the ampule at all times extends through the base opening whereby it may be directly contacted by the thumb of the operator and said mounting portion and thrust portion being formed with communicating aligned slots whereby a needle may be moved laterally through the open side of said body to occupy a position within said slots.

The following references are of record in this case: Schroeder, 1,008,078, November 7, 1911; Everett, 2,016,631, October 8, 1935; Hein, 1,817,003, August 4, 1931; Hall, 1,848,711, March 8, 1932; Lockhart, 2,448,898, September 7, 1948.

The Schroeder and Everett patents were cited by the Examiner in his statement. The other references were cited by him in his reply to the brief of appellant.

The patent application is for a three-piece hypodermic syringe, which appellant claims embodies improved functional and structural characteristics; is capable of ready sterilization and manipulation; and which can be produced cheaply and efficiently. The syringe disclosed in the application is composed of a metal holder, a cylindrical ampule containing a medicament, and a hollow needle. One end of the holder portion is tubular in shape, and is open so as to receive the ampule. The other end of the holder forms "fingers" or "arms" which grip the hollow needle when the device is assembled. Projecting from the arms toward the rear end of the holder are thrust members. The thrust members are separated from the sides of the holder along most of their length to allow the wall of the ampule to slip by the rear ends of the thrust members when the device is in use. The thrust members are also slotted lengthwise, thus allowing the needle to be placed laterally into position. Attached to the outside of the holder portion are wings forming finger rests for the convenience of the operator.

The ampule is cylindrical or tubular in shape, the open end thereof being closed by a stopper. The needle is hollow, and is pointed at each end. To operate the device, the needle is passed through the slots in the thrust members, where it is then gripped by the fingers or arms of the holder portion. The back end of the needle extends a short distance beyond the back ends of the thrust members. The ampule containing the medicament is then placed in the back or open end of the holder, and is forced by thumb pressure toward the opposite end thereof, until the ampule stopper is punctured by the back end of the needle. Continued thumb pressure forces the outer face of the stopper into contact with the back ends of the thrust members, thereby holding the stopper from further movement. Further pressure on the outer end of the ampule causes the stopper to be forced into the ampule as a piston, which action causes the medicament in the ampule to be expelled through the hollow needle.

The patent to Hein shows a hypodermic syringe similar to that of appellant in its general operation. Hand or thumb pressure forces a medicament-containing ampule over a piston thrust member beyond which one end of a hollow needle extends. The needle punctures the stopper of the ampule, and continued pressure thereon causes the piston to

force the stopper back into the ampule, thereby expelling its contents through the opposite end of the needle. However, the tubular body, the thrust portion, and the needle mount, which are integral in appellant's structure, are all separate in the structure of Hein. The piston or thrust portion is screw-threaded into the forward end of the outer holder portion, and the needle mount portion is in turn screw-threaded into the thrust portion. A hollow needle is embedded in the needle mount portion, and extends inside and beyond the cylindrical piston or thrust portion when the needle mount is screwed thereon. Hein does not show the lateral mounting of the needle.

The Hall patent is quite similar to that of Hein. Hall shows an outer open-ended shell having finger rests formed thereon. A hollow piston rod is placed within the outer shell, being fastened thereto by screw-threading at the forward ends of said shell and said piston rod. The needle fits inside the piston rod, being held in place by a threaded thimble or cap, which is screwed on the outer end of the piston rod, there engaging a bead formed on the needle.

The patent to Everett discloses a device for attaching a hypodermic needle to the syringe body. One variation of that device shows a threaded nipple adapted to screw on a nozzle located at the forward end of a syringe body. The needle, which in this variation is pointed only at one end, has its base end solidly embedded in a metallic material, which is formed with an annular head portion of greater diameter than the shank surrounding the needle. The nipple is formed with a passage in one side which is shaped like a keyhole. To attach the needle to the syringe, the head of the material in which the needle is embedded is passed through the wider part of the keyhole slot in the nipple, the needle extending downward through the open base of the slot. The nipple is then screwed on the nozzle until the forward end thereof presses against the top of the annular head of the needle, thereby forcing it into a recess in the nipple. Thus, the needle is firmly attached to the syringe body, yet may be easily removed therefrom by partly unscrewing the nipple and passing the needle laterally through the nipple slot.

Although the variation just described utilizes only a single-ended needle, Everett shows another apparatus in which a double-ended needle may be used, the nipple and the nozzle being slotted above the wider part of the keyhole slot to allow lateral insertion of a double needle. Everett also shows a device wherein the nipple is attached to the nozzle by toggle means, rather than by a screw connection.

The rejection by the Examiner on the basis of the Schroeder patent was expressly disaffirmed by the Board, therefore that reference need not be discussed. The earlier patent to appellant, supra, was cited by the Examiner to show that appellant had previously been granted a patent on the side loading feature of the syringe, but, as observed by the Solicitor for the Patent Office, it "was not applied against the claim in issue and takes no active part in the present appeal."

The Examiner originally rejected the appealed claim as unpatentable over Schroeder in view of Everett. In his reply to appellant's brief he cited Hall and Hein to show that the thumb actuation of the ampule and the means of loading the ampule into a holder as claimed by appellant were conventional in the art. He held that it would require no more than mechanical skill to combine the features of those references to form appellant's device.

Although the Board of Appeals disaffirmed the Examiner's rejection on Schroeder, it held that the involved claim did not "patentably define over Hall or Hein in view of Everett," stating,

> * * * It seems to us that it would be well within the province of a person skilled in the art to incorporate the lateral needle mounting means of Everett into Hall or Hein. Such a substitution would involve no particular mechanical difficulties that would ordinarily be considered outside of the province of a person skilled in the art.

The rejection by the Board, as may be noted, was based on grounds different from that of the Examiner.

While it appears that appellant does not deny that the different elements found in the appealed claim are found in the references, he argues that the integral combination of those elements is not found nor suggested in any of the references, and contends that without integration of parts, it is impossible to achieve the inventive combination of his structure. Recognizing the general rule that there is no invention in making integral that which was before in several parts, appellant urges, however, that if such changes produce a more useful result, invention may be present, citing among others the case *In re Otto et al.*, 28 CCPA (Patents) 1326, 121 F.2d 553, 50 USPQ 149, 532 O. G. 255.

Appellant states that if the lateral slot of Everett were applied to the syringes of Hall or Hein simply by cutting a slot through either structure into the center of the syringe, the resulting device would be a syringe having several parts all screw-threaded together and slit down one side. He argues further that his structure avoids the problem of screwing one slit part onto another slit part by making the device integral, thus combining all the best features of the references and avoiding all of the shortcomings, and submits that the result amounts to invention.

After a careful examination of the record, we do not find ourselves in agreement with appellant's argument. [1] Although it is true that invention may be present under some circumstances in making integral that which was separate before, we do not feel that such is the case here. Improved results only will not take the case out of the general rule. There is also a requirement that the unification or integration involve more than mere mechanical skill. *In re Murray*, 19 CCPA (Patents) 739, 53 F.2d 541, 11 USPQ 155, 414 O. G. 825; *In re Zabel et al.*, 38 CCPA (Patents) —, 186 F.2d 735, 88 USPQ 367, 644 O. G. 664. In this case, all of the essential elements of the appealed claim, except integration of parts, are found in the references. It appears to us that the unity or diversity of parts would depend more upon the choice of the manufacturer, and the convenience and availability of the machines and tools necessary to construct the syringe, than on any inventive concept. Further, the toggle means of attaching the nipple shown in Everett suggests one way of avoiding the difficulty of matching slotted screw threads.

[2] For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

U. S. Court of Customs and Patent Appeals

IN RE COEY ET AL.

No. 5797. Decided June 26, 1951

[— F.2d —; 90 USPQ 216]

1. PATENTABILITY — INVENTION — COMMERCIAL SUCCESS CANNOT CREATE DOUBT REGARDING INVENTION.

   Although commercial success, in a doubtful case, may be sufficient to resolve any doubt in favor of a finding of invention, commercial success must not be used to create a doubt regarding inventiveness where none would otherwise exist.

2. SAME—ANTICIPATION—"MERE PAPER PATENTS" ARE VALID REFERENCES.

   Held that an objection to a reference as "a mere paper patent" cannot be recognized, since the failure of a patentee to properly exploit his invention does not furnish grounds for the subsequent granting of another patent on substantially the same invention.

3. SAME—PARTICULAR SUBJECT MATTER—METHOD AND APPARATUS FOR LEATHER FINISHING.

   Certain claims to a method and apparatus for finishing hides *Held* properly rejected as unpatentable over the cited prior art.

APPEAL from Patent Office. Serial No. 591,436.

AFFIRMED.

Glenn S. Noble and *Dwight B. Galt* for appellants.

E. L. Reynolds (*S. W. Cochran* of counsel) for the Commissioner of Patents.

WORLEY, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner, finally rejecting claims 17 and 18 of appellants' application, Serial No. 591,436, filed May 2, 1945, for a patent relating to "Leather Finishing." No claims were allowed.

Claim 17 is directed to the method sought to be patented, and claim 18 covers a machine embodying that method. The appealed claims read as follows:

> 17. The method of finishing hides in a continuous operation, which consists in spraying a coat of finishing material evenly over one surface of the hide, then partially curing said coat to a semi-dry or tacky condition, subjecting said surface to a second spraying coat of finishing material before the preceding coat has entirely cooled and while in tacky condition, partially curing said last mentioned coat to a semi-dry or tacky condition, subjecting said surface to a third spraying coat of finishing material, and finally subjecting the hide surface thus treated to light rays for a sufficient time to completely dry and cure said coats.
>
> 18. A leather finishing machine consisting of an endless belt conveyor, means for driving said conveyor, a plurality of sprayers spaced apart along the conveyor and adapted to spray finishing material on a surface of skins carried by the conveyor, infra-red heating units adjacent to all but the last of the respective sprayers, said heating units so located and arranged as to direct their rays upon the skins carried by said conveyor immediately after said skins pass from said sprayers to cure the coatings to a tacky condition, the speed of travel of the conveyor with respect to the location of the spraying and heating units being such as to carry the skins from one sprayer and heating unit to another before the coating has entirely cooled and is in a semi-dry or tacky condition, and infra-red heating units adjacent to the last sprayer to complete the drying and curing of the coatings applied by the sprayers.

The Primary Examiner rejected the claims on the following references: Elliott, 1,702,043, February 12, 1929; MacDonald, 2,330,300, September 28, 1943.

Appellants' specification discloses a method of "finishing" leather of various kinds, particularly that intended for use in the manufacture of garments, gloves, shoes, etc. Appellants' brief states that "finishing" is one of the steps in processing hides for commercial use as leather, and gives the skins the final characteristics which make them attractive in appearance and with surfaces which render them desirable for use.

According to the specification, the common method of finishing hides has been to apply the finishing materials to the hide with hand swabs, and then to hang the hides in tunnels for drying with hot air. Sometimes the finish is applied with brushes or sprays, and the hides then passed over a conveyor belt where they are swabbed by hand to even out the brush marks prior to air drying. Appellants state that usually only one coat of finish is applied at a time, and since several coats are frequently required to secure the desired result, the hides must be rehandled several times, thus increasing the time and cost of finishing.

Appellants propose to eliminate much of the expense and inefficiency of the previous methods by applying the finish and drying it in one continuous mechanical operation. To accomplish this they utilize a conveyor belt which passes the hides alternately through four sets of finish-applying sprayers, and under four banks of infra-red lamps. The infra-red lamps are so arranged that the finish which is applied to the hide as it passes under one spray booth is partially dried to a warm and tacky condition when the hide reaches the next spray booth. The final bank of lamps is sufficiently long so that the finish is completely dry by the time the hide reaches the end of the conveyor belt.

Appellants have placed in the record affidavits and other documentary evidence showing that their method has enjoyed substantial commercial success. It further appears that a machine embodying appellants' method has been placed in commercial operation, and that its use has resulted in savings in labor and production costs, in time of operation, and in floor space required. Furthermore, it is stated that infra-red drying leaves the leather soft and pliable, thus eliminating the step of "finish staking or breaking the leather back soft again." It is also claimed that appellants' method results in a more uniform coverage of finish, thus allowing the skins to be "up-graded" with a consequent increase in value.

The evidence of commercial success introduced by appellants is uncontroverted, and there seems to be no reason for doubting its truth.

The patent to Elliott shows a method and apparatus for making patent leather. In the method of Elliott a conveyor belt passes hides under a spray of

sizing varnish, through a drying chamber or oven, under a varnish spray, through another drier, and finally under ultra-violet ray lamps.

Elliott states in his specification that the prior methods in the art involved several hand operations: first, one coat of varnish was applied by hand, and allowed to dry for several hours; then a second coat of varnish was applied, and the leather was baked in drying ovens for eight to ten hours; finally, the leather was subjected to the rays of the sun in an open field. Elliott claimed that his method obviated the laborious and time-consuming intermediate handling incident to the prior methods, and particularly stressed the fact that the ultra-violet treatment, which is the final step in his process, effects a curing of the varnish surface "whereby undesirable tackiness of the surface may be caused to disappear." Elliott states that after the hides pass through the second sprayer, they "then pass through a second drying chamber or drier 10 where they are subjected to a preliminary drying after which they pass under the bank of silica tube mercury-arc lamps. *Here the drying or curing of the varnished surfaces substantially to reduce or to remove tackiness is accelerated,* * * *." [Italics ours.] Thus it appears that the second coat of varnish in Elliott is applied while the first coat is in a tacky condition.

The patent to MacDonald shows an apparatus for applying cork and latex to a fabric material. He utilizes the conveyor mechanism, and in one variation of his device he discloses that the material to be coated is passed through a spraying cabinet or booth where a priming coat of latex is applied, and that the material is then passed under infra-red lamps where the priming coat is dried to a "slightly tacky state." The material is then passed through another spraying booth where it is coated with cork and latex, then under a bank of infra-red lamps where the sprayed mixture is dried and the rubber vulcanized, and finally through calender rolls where the material is pressed to the desired thickness.

The Examiner rejected the appealed claims as "unpatentable over Elliott in view of MacDonald." He stated that

> * * * it is not seen to involve inventive skill to use infra-red heating means in the Elliott apparatus since this would amount to nothing more than a substitution of one heating means for another especially in view of the MacDonald disclosure of infra-red heating means applied to a continuous coating process. To regulate the speed of the conveyor and to locate the spraying and drying means so that one coating is not completely dried before the next one is applied are purely manipulative steps which cannot be relied upon to render an apparatus claim patentable. The number of sprayers and drying units used involves a question of choice and would depend on the number of coatings desired.
>
> The affidavit of William F. Schumann, Jr., has been very carefully considered but is not seen to render the prior art references less pertinent. Although affiant has demonstrated commercial success, it is not seen that sufficient doubt as to patentability exists so as to overcome the rejection based on the prior art. * * *

The Board of Appeals affirmed the holding of the Examiner, and found that "finishing" as used in the application was not used in a special sense so as to make the Elliott reference a different art; that at the time of filing of the involved application the use of infra-red heating lamps was so common and well known that the substitution of infra-red lamps for previously used drying heaters was quite obvious; and that addition of a third coating step and drying step was mere obvious repetition. The Board held that the thought of applying one layer of finishing material while the preceding coat was still tacky was present by implication in Elliott, and that it was not necessary to rely on MacDonald.

Before this court, appellants argue that the Elliott reference is not applicable to the present application, stating,

> There are at least three fundamental differences between the disclosure of this patent and applicants' invention:
> (1) The materials used are different.
> (2) The process is different.
> (3) The results obtained (if any could be obtained by Elliott's apparatus) are different.

It is argued that Elliott is a "mere paper patent," that it never went into commercial use, and that it is impractical and inoperative on its face.

It is argued for appellants that the patent of Elliott uses ultra-violet rays which are adapted for oxidizing purposes but which would be wholly useless for leather finishing in accordance with applicants' invention. It is claimed that ultra-violet rays dry the surface only, and that leather finishing requires drying from the inside out for which infra-red is peculiarly adapted.

Appellants argue that the MacDonald reference is from a different art than that of the instant application, and would not teach any person skilled in the art how to practice the present method.

Appellants cite as error the failure of the Examiner to "give due weight to the commercial success of our invention," stating,

> Such commercial success is not intended to show invention, but is of particular interest in showing the novelty and importance of applicants' invention and of its advance in the art. * * *

[1] Before we proceed to a discussion of the appealed claims, it may be well to consider the law governing a showing of "commercial success." It is well established that outstanding commercial success may be evidence of invention, and in a doubtful case may be sufficient to resolve the doubt in favor of a finding of invention. *In re Russell*, 34 CCPA (Patents) 721, 157 F.2d 190, 71 USPQ 85, 594 O. G. 421. But it is also well established that commercial success of a purported innovation must not be used to create a doubt regarding inventiveness where none would exist otherwise. *Lempco Products* v. *Timken-Detroit Axle Co.*, 110 F.2d 307; *In re Hock*, 35 CCPA (Patents) 1235, 168 F.2d 540, 78 USPQ 75, 614 O. G. 16.

We will consider the method claim 17 first. It will be noted that this claim is extremely broad in its scope, having no limitation as to the type of intermediate drying means, and stating only that the final drying and curing is by means of "light rays." The only distinctions of any note we perceive between this claim and the method of Elliott is that the claim is directed to a method of "finishing hides" rather than making patent leather; that there are three spraying steps rather than the two of Elliott; and that the second and third coats are applied while the preceding coat is "tacky."

We are in agreement with the Board that the number of spraying and drying steps is immaterial, and addition or subtraction of such steps is obvious. This is evidenced by the fact that appellants show in their specification four pairs of sprayers and driers, while the claim is limited to three pairs. There does not seem to be anything inventive in applying the second and third coats of finishing material while the preceding coat is still tacky, and we agree with the Board in its holding that this feature is disclosed in Elliott. Furthermore, we find in appellants' specification that more than one coat of finishing material was sometimes applied at one time in the prior art methods, from which it may be fairly implied that one coat of finish was applied in prior methods before the preceding coat was completely dry. We also note that MacDonald discloses this feature of the claim. As to the remaining distinction, that the Elliott patent may be directed to a different art than that of the appealed claims, we do not feel that such is the case. We feel that the general field which covers both disclosures is that of preparing leather for commercial use, and that an artisan skilled in that field, having knowledge of Elliott's method, would not require inventiveness to adapt that method to the "finishing" of hides.

Except for these distinctions, which we do not feel to be material, claim 17 reads directly on Elliott, and we do not believe that it is patentable thereover.

Claim 18 contains only one distinction from claim 17 which needs to be noted, namely, that the claim specifies infra-red drying means, which means are not shown in Elliott. We agree with the Board in its belief that infra-red was well known as a drying means at the time of the filing of appellants' application, and that the adaption of infra-red to dry leather finishes did not require invention. It is to be noted that MacDonald treats infra-red as a common means of drying materials quickly, which tends to support the Board's opinion as to its obviousness. Thus, we do not believe claim 18 patentably defines over Elliott.

While the Board did not explicitly overrule the MacDonald reference, it did state it was not necessary to the rejection. In this view we concur, and reject the claims as unpatentable over Elliott alone, referring to MacDonald only to corroborate our findings.

One thing remains to be noted. Appellants' objection that the Elliott patent is "a mere paper patent" cannot be recognized by this court. Everyone is charged with knowledge of the prior patents, and the failure of a patentee to properly exploit his invention does not furnish grounds for the subsequent granting of another patent on substantially the same invention. As stated by Judge Learned Hand in *Western States Mach. Co.* v. *S. S. Hepworth Co.*, 147 F.2d 345, "A patent may have lain for years unheeded, as little a contribution to the sum of knowledge as though it had never existed, an idle gesture long since drifted into oblivion. Nevertheless, it will be as effective to invalidate a new patent, as though it had entered into the very life blood of the industry." See *In re Phipps*, 33 CCPA (Patents) 861, 154 F.2d 116, 69 USPQ 88, 587 O. G. 6.

We have considered all the arguments advanced by appellants but have not found them sufficient to raise any doubt in our mind as to the correctness of the decision below. For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed.

AFFIRMED.

GARRETT, *Chief Judge* (specially concurring):

I am in agreement with the reasoning and the conclusion in this case, but feel constrained to concur specially in order to comment upon the status of the MacDonald patent as a reference.

In its discussion rejecting claim 17 the Board of Appeals said:

> * * * In our opinion it is not necessary to rely on MacDonald since the same thought is present by implication in Elliott as above pointed out.

The foregoing is the only allusion made by the Board to the MacDonald patent and, frankly, it seems doubtful whether or not the Board intended to overrule it as a reference. It is regrettable that the Board did not make its position clear upon that point, because under the statutory provision relative to appeals to this court we would have no right to consider it if the Board rejected it.

It so happens that in this particular case the matter is not vitally important, but we have had a number of cases in which the expression of the Board of Appeals has left us uncertain as to just what it was intended to hold. It is thought that when the Board regards a reference cited by the Examiner as inapplicable it should take the responsibility of saying so in plain and unequivocal terms.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,912,410, W. Shotey, Device for dressing grinding wheels, filed Aug. 31, 1951, D. C., E. D. Mich. (Detroit), Doc. 10,883, *W. Shotey* v. *Ford Motor Co.*

2,014,756. (See 2,017,865.)

2,017,865, E. K. Morgan, Machine tool; 2,104,756, A. Overhoffken, Metal removing machine; 2,108,823, A. H. Lyon, Machine tool; 2,169,476, F. J. Kampmeier, same; 2,193,840, Oberhoffken & Strachan, Apparatus for metal removal, filed Aug. 17, 1951, D. C., N. D. Ill. (Freeport), Doc. 51c10, *Ingersoll Milling Machine Co.* v. *W. F. & John Barnes Co.*

2,057,587, B. C. Place, Gripping fastener; 2,057,588, same, Securing trim material, filed Aug. 30, 1951, D. C., E. D. Mich. (Detroit), Doc. 10875, *Gagnier Fibre Products Co.* v. *United-Carr Fastener Corp.* Doc. 10876, *Gagnier Fibre Products Co.* v. *Fourslides, Inc.*

2,057,588. (See 2,057,587.)

2,061,557, M. Bockmuhl et al., Anesthetic combinations, filed Sept. 6, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12682, *Winthrop-Stearns, Inc.* v. *Procol Chemical Co. et al.*

2,075,827. (See Re. 21,841.)

2,104,756. (See 2,017,865.) 2,108,823. (See 2,017,865.)

2,127,249. (See 2,177,352.)

2,165,227, B. Cooper, Switch; 2,166,090, same, Treadle controlled system; 2,205,555, same, Treadle circuit; 2,313,627, same, Treadle controlled toll checking system, D. C., E. D. N. Y., Doc. 9878, *B. Cooper* v. *Electronic Signal Co.* Consent decree favor plaintiff Aug. 31, 1951.

2,166,090. (See 2,165,227.) 2,169,476. (See 2,017,865.)

2,177,352, 2,127,249, R. R. Dupler, Illuminated glove mounting, D. C., N. D. Ohio (Toledo), Doc. 6426, *The George F. Cram Co., Inc.* v. *R. R. Dupler.* Patents held valid and infringed; injunction granted Sept. 6, 1951.

2,193,840. (See 2,017,865.) 2,205,555. (See 2,165,227.)

2,230,250, A. Jackson, Lifting jack, filed Aug. 14, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13373, *Bay Mfg. Co.* v. *L. F. Reinig et al.*

2,279,237, Kellems & Di Palma, Article holder, filed Sept. 5, 1951, D. C. Conn. (New Haven), Doc. 3413, *Economy Cable Grip Co.* v. *Kellems Co., Inc.*

2,313,627. (See 2,165,227.)

2,452,424, M. Bell, Wick holder for evaporators, D. C., S. D. N. Y., Doc. 57/250, *Seeman Bros., Inc.* v. *Boyle-Midway, Inc.* Stipulation and order of discontinuance (notice Aug. 16, 1951).

2,459,110, S. P. Midonhas, Collapsible clothes line, filed Sept. 7, 1951, D. C. Conn. (New Haven), Doc. 3417, *Kamkap, Inc.* v. *Westport Hardware Co., Inc.*

2,461,464, R. Aronstein, Filter for fluorescent screens, D. C., S. D. N. Y., Doc. 52/280, *Transmirra Products Corp. et al.* v. *Pittsburgh Plate Glass Co. et al.* Stipulation and order of dismissal (notice Aug. 10, 1951).

2,495,579, Ferris & Klancnik, Jr., Antenna, filed Aug. 31, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13431–WM, *Hi-Lo Antenna Corp.* v. *Barstow & Doran et al.*

Re. 21,841 (of 2,075,827), Northrop & Gesner, Anchor, filed Aug. 30, 1951, D. C., W. D. Wash. (Seattle), Doc. 2866, *Northill Co., Inc. et al.* v. *Seattle Foundry Co., Inc. et al.*

Plant 203, 210, 220, B. A. Bourne, Sugar cane, D. C., S. D. Fla. (Tampa), Doc. 584–T (756–M), *B. A. Bourne* v. *J. E. Beardsley.* Patents held invalid; dismissed on merits Aug. 10, 1951. Doc. 585–T, *B. A. Bourne* v. *O. Larsen.* Decree as above.

Plant 210. (See Plant 203.)

Plant 220. (See Plant 203.)

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 78,556, T. M. 255,416, T. M. 307,393, T. M. 320,563, T. M. 329,524, John Walker & Sons, Ltd., Whiskies, S. D., S. D. Fla. (Tampa), Doc. 2009, *John Walker & Sons, Ltd.* v. *Tampa Cigar Co., Inc.* Defendant's motion to dismiss is granted, without leave of plaintiff to amend Aug. 28, 1951.

T. M. 255,416. (See T. M. 78,556.)

T. M. 307,393. (See T. M. 78,556.)

T. M. 320,563. (See T. M. 78,556.)

T. M. 329,524. (See T. M. 78,556.)

T. M. 334,168, St. George Textile Corp., Rayon and cotton piece goods, filed Sept. 6, 1951, D. C., S. D. N. Y., Doc. 69/243, *St. George Textile Corp.* v. *Andrea Fashions, Inc.*

NOTICES

Classification Order No. 110

August 23, 1951

The following changes in the classification of inventions are hereby directed to take effect immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASS

In *Class 113, Sheet-Metal Ware, Making* (Division 14)

Soldering
112 Processes

CHANGE SUBCLASS TITLES

In *Class 57, Textiles, Spinning, Twisting, and Twining* (Division 21), change the title of subclass 12 to read:

With twisting of core or product.

and change the titles, but not the positions, of subclasses 21, 150, 151, 154, 155, 165 and 167 to read:

Web material.

ESTABLISH SUBCLASSES

In *Class 3, Artificial Body Members* (Division 55)

(H. W. JOHNSON, *Classifier*)

1.1 **Electrical actuation** (to follow subclass 1)
1.2 **Fluid actuation**
Arms and hands
12.1 Torso supported and actuated (to follow subclass 12)
12.2 Elbow
12.3 With forearm actuation
12.4 Wrist
12.5 With wrist actuation
12.6 Arm or torso initiated finger actuation
12.7 Finger actuator embodied in simulated hand
12.8 With article or article holder

In *Class 29, Metal Working* (Division 14)

(D. D. ANDREWS and W. F. PURDY, *Classifiers*)

Processes of manufacture, assembly and disassembly
350 Soldering, brazing or welding (to follow subclass 189)
351 With supplementary mechanical joining
352 Lock seaming
353 Shrink or force fitting
354 Attaching a bridge or tie member
355 Build-up or coating on single metal part
356 Filling or covering opening (e. g., repairing)
357 Chain link
358 Autogenous
359 With conditioned cooling or subsequent working or treating
360 With protection and/or preparation of metals
361 By preshaping of joining surfaces only
362 Channel or groove formation
363 By application of porous or capillary feed material
364 By application of filler-confining or bond-inhibiting material
365 Back-up devices
366 By application of preliminary bond-facilitating metal coating
367 By application of clamping or supporting means
368 By application or use of protective or reactive flame, gas, vapor or vacuum
369 By application of flux
370 Flux affixed to or incorporated with filler

Processes of manufacture, assembly and disassembly
Soldering, brazing or welding (to follow subclass 189)
371 Plural heat and/or plural filler applications
372 At critical temperature and/or heating rate
373 Unfused filler fed into fusing contact with work part
374 Preplaced solid filler or preform
375 Joint interposed
376 Attached film or layer (e. g., pretinned)
377 Application or distribution of fused filler
378 Using critical metal as filler and/or work part

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
113	112	29	350+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Source	
Class	*Subclass*	*Class*	*Subclass*
3	1.1, 1.2	3	1–12
3	12.1–12.8	3	12
29	350+	113	112

IN THE DEFINITIONS:

3, Artificial Body Members

in the class definition, cancel the word "Artificial" and substitute:

This class provides for artificial

cancel "(1) Note" and "(2) Note."

cancel "(3) Search Classes" and substitute "Search Class", and insert in numerical order:

46—AMUSEMENT DEVICES, TOYS, appropriate subclasses, for artificial body members intended for use with dummies, dolls, display forms, or the like, especially subclasses 151, 156–163, and 165–173.

223—APPAREL APPARATUS, appropriate subclasses, especially 60, 66+, and 120, for artificial body members used for display or in operations on apparel.

and in the reference to Class 88, change "41, and indented subclasses" to *41+*.

in subclass 1, cancel the definition and substitute:

1. Devices under the class definition not classifiable below.

establish the following subclass definitions:

1.1. Devices under the class definition wherein there is involved electrical actuation.

1.2. Devices under the class definition wherein there is involved actuation by fluid-pressure means.

in subclass 3, cancel the definition and substitute:

3. Devices under subclass 2 comprising sockets for receiving the stumps of the limbs to which the artificial leg is to be applied.

in subclass 4, cancel "Devices . . . part or parts", and substitute:

Devices under subclass 2 attached to some part or parts

and cancel "(1) Note", and substitute:

(1) Note.—Includes stilts attached to the body.

and cancel "(2) Search Class" and the reference to Class 272, and substitute:

Search Class—
272—AMUSEMENT AND EXERCISING DEVICES, subclass 70.1+, for other stilts.

in subclass 5, in the definition, cancel "Leg extensions . . . attached only", and substitute:

Devices under subclass 4 which are attached only

and cancel the "Note" and the reference to Class 36, and substitute:

(1) Note.—The devices here classified are so related to the foot that upon removal of the foot from a shoe the device is removed from the shoe with the foot. For devices accommodating shoes to foot deformities and remaining in the shoe upon removal of the shoe from the foot, see Class 36, BOOTS, SHOES, AND LEGGINGS, appropriate subclasses, particularly subclass 8.5 for orthopedic shoes, and subclass 71 for pads to go into shoes.

Search Class—
36—BOOTS, SHOES, AND LEGGINGS, subclasses 8.5 and 71, and see (1) Note.

in subclass 6, in the definition, cancel "Artificial . . . combinations of", and substitute:

Devices under subclass 2 comprising artificial feet or combinations of

and cancel "(2) Search this class, subclass 2".

in subclass 7, cancel the definition, and substitute:

7. Artificial feet under subclass 6 containing resilient means.

and cancel "(2) Note", and substitute:

Search this class, subclass—
6—for feet containing springs or pieces of rubber, which merely return them to a normal position and not for the purpose of easing the shock of contact with the ground.

in subclass 8, cancel the definition, and substitute:

8. Devices under subclass 7 in which the resilient means comprises fluid cushions.

in subclass 9, cancel the definition, and substitute:

9. Devices under subclass 2 relating to parts of artificial legs which receive the stumps of the amputated limbs.

and before "Note", insert (*1*).

in subclass 10, in the definition, after "Sockets" insert *under subclass 9*.

in subclass 11, in the definition, cancel the word "Strap" and substitute:

Devices under subclass 2, comprising strap

and cancel "(2) Note" and "(3) Note", and substitute:

Search Class—
2—APPAREL, appropriate subclasses, for garment suspenders.
227—FIRE ESCAPES, subclass 49, for body harness of general application.

in subclass 12, in the definition, cancel the word "Arm" and substitute:

Subject matter under the class definition relating to arm

and cancel the "Note" and substitute:

Search Class—
2—APPAREL, subclasses 158 and 159+, for mittens and gloves.
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 230.5, for hooks of general utility.
46—AMUSEMENT DEVICES, TOYS, subclass 126, for pull cord details.
294—HANDLING, HAND AND HOIST-LINE IMPLEMENTS, subclass 86+, for miscellaneous hand or hoist line implements adapted to grasp an article.

establish the following subclass definitions:

12.1. Subject matter under subclass 12 wherein an arm member is both torso-supported and torso-actuated.

Search this class, subclass—
12.6—for mechanism, which is torso-actuated, but arm supported.

12.2. Structure under subclass 12 pertaining to the elbow joint.

12.3. Structure under subclass 12.2 having means for actuating the forearm.

12.4. Structure under subclass 12 pertaining to the wrist.

Search Class—
279—CHUCKS OR SOCKETS, appropriate subclasses, for holding means of the chuck type.

12.5. Structure under subclass 12.4 having means for actuating the wrist.

12.6. Devices under subclass 12 relating to the initiation of actuation of artificial fingers by mechanism supported by a natural arm or torso.

Search this class, subclass—
12.1—for members which are supported by, as well as actuated by, the wearer's torso.

12.7. Devices under subclass 12 relating to structure embodied in a simulated hand, usually the palm, for actuation of artificial fingers.

12.8. Subject matter under subclass 12 with an article held, or particularly modified for supporting an article.

Search Class—
24—BUCKLES, BUTTONS, CLASPS, ETC., subclass 243+, for clasps of more general utility.
279—CHUCKS OR SOCKETS, for article gripping means of the chuck type.

in subclass 13, in the definition, cancel the word "Substitutes" and insert:

Subject matter under the class definition comprising substitutes.

15, Brushing, Scrubbing, and General Cleaning

in subclass 166, cancel "(1) Note".

22, Metal Founding
in subclass 203, add:
Search Class—
29—METAL WORKING, subclass 350+, for processes of soldering, brazing or welding, particularly subclass 364+, for such processes employing filler confining or bond inhibiting materials.

in subclass 213, add:
Search Class—
29—METAL WORKING, subclass 365, for processes of soldering, brazing or welding employing a chill contacting fused filler metal.

24, Buckles, Buttons, Clasps, Etc.
in subclass 230.5, under "Search Class", insert:
3—ARTIFICIAL BODY MEMBERS, subclass 12, for hooks of the artificial hand type.

in subclass 243, under "Search Class", insert:
3—ARTIFICIAL BODY MEMBERS, subclass 12.8, for clasps of the artificial hand type.

28, Textiles
in subclass 15, add:
Search Class—
139—TEXTILES, WEAVING, subclass 34, for warp- and/or weft-holding frames containing some feature peculiar to the art of weaving.

in subclass 35, add:
Search Class—
242—WINDING AND REELING, subclass 75, for devices operative to control the tension of webs, in general, while being wound.

29, Metal Working
in subclass 25.11, under "Search this class, subclass", add:
350+—for soldering, brazing and welding processes.

and under "Search Class", in the reference to Class 113, delete "subclass 112, for miscellaneous welding and soldering processes and"
in subclass 25.13, under "Search this class, subclass", add:
350+—for processes of uniting parts by soldering, brazing or welding.

and under "Search Class", in the reference to Class 113, delete "subclass 112, for miscellaneous processes of uniting parts by welding or soldering and"
in subclass 81, insert:
Search this class, subclass—
350+—for processes of soldering, brazing or welding including steps of cleaning or preparing the metal parts for joining.

in subclass 148, add:
(3) Note.—The making of a *single* joint involving solidification of molten metal on a self-sustaining metal part without use of a mold and other than for joining metal to a non-metal will be found in the subclasses indented hereunder beginning with subclass 350 rather than in the subclasses pertaining to the specific uses for the articles as set out in subclasses 148.2 to 179, 188 and 189.

in subclass 169.2, under "(2) Note", after "steps", cancel "See class 113 . . . subclass 112", and substitute: see this class (29), appropriate subclasses, especially subclass 350+.

in subclass 179.5, under "Search this class, subclass", add:
350+—for miscellaneous processes of uniting metal parts by welding, brazing or soldering. Subclass 179.5 provides for processes which include coating a non-metallic part with a metallic substance and then soldering, or welding, the coated part to a metal surface. Subclass 350+ provides for the mere soldering, brazing or welding of metal parts together even though, according to the disclosure, the metal parts are only coatings on non-metallic parts. See (4) Note and (5) Note above.

and under "Search Class", cancel the reference to Class 113.
in subclass 188, add:
(3) Note.—Search this class, subclass 189, for processes of making metal plates or sheets comprising two or more metals, or forms of the same metal, united by welding, soldering or other molecular adhesion, and see the notes thereto for art elsewhere located for making compound or composite metal articles.

in subclass 189, under "Search this class, subclass", cancel the reference to subclass 181, and add:
188—for making bars and tubes of two or more metals, or forms of the same metal, united by soldering, welding or other molecular adhesion.
350+—for processes of making a single joint which include soldering, brazing or welding.

establish the following subclass definitions:

350. Processes under subclass 148 for (a) joining one or more metal parts that remain self-sustaining, with or without surface or local area fusion thereof, to a body of metal which has solidified from a fused state while in contact with the self-sustaining metal part or parts and without confinement by a mold device, or (b) joining one self-sustaining metal part to another in which contacting areas or surfaces of the parts to be joined are locally heated to the fusion point of at least one of the parts.

Definition of terms.

"Metal Parts" are those bodies of metal or metal alloy to or between which a metallic bond or union is to be effected.
"Filler Metal" is that body of metal or metal alloy which upon complete fusion and subsequent solidification adheres to one or more metal parts.
(1) Note.—Included herein are (a) processes for soldering or brazing in which fused filler metal is deposited without fusion of the metal parts, (b) processes for deposit welding in which local areas or surfaces of the metal parts in addition to the filler metal are fused and (c) processes for autogenous welding in which no filler metal is deposited, the bond being obtained by coalescence of fused areas of the metal parts being joined.
(2) Note.—Here included are the processes of making plural welds between two or more metal parts so arranged as to form a single joint, but for the making of plural welds between three or more different metal parts so arranged as to form more than one joint, see the appropriate article manufacturing class, particularly this class, subclass 148+.
(3) Note.—Here included are the processes of soldering, brazing and welding combined with reshaping of the metal parts to be joined at the portions joined, but for soldering, brazing and welding processes which include substantial reshaping of the metal parts, other than at the portions joined, see the appropriate article manufacturing class, particularly this class, subclass 148+.
(4) Note.—Processes of soldering, brazing or welding which include specific modes of applying fusing heat to the filler metal and not disclosing any details of the subject matter of the indented subclasses are here classified and novel disclosures of such specific modes of heating are here cross-referenced.
(5) Note.—The metal parts each may be a single metal, a coated metal or a metal coated non-metal, but processes of joining which include the step of coating the non-metal with a metal layer are in this class, subclass 179.5.

Search this class, subclass—
148+—for processes of soldering, brazing or welding of plural joints and for shaping of one or more of the metal parts joined other than at the joining surfaces and see (2) Note and (3) Note.
179.5—for processes of uniting metal parts to non-metallic parts by means of a bonded joint and see (5) Note.
188—for processes of making bars or tubes comprising two or more metals, or forms of the same metal, united by welding, soldering or other molecular adhesion and subsequently worked.
189—for processes of making plates or sheets comprising two or more metals, or forms of the same metal, united by welding, soldering or other molecular adhesion and subsequently worked.

Search Class—
22—METAL FOUNDING, subclass 58+, for casting apparatus for making composite castings and joints, and subclass 203+, for processes of composite casting in which one of the metals is solid and the applied molten metal is retained by a mold, and see particularly subclass 206, for thermite welding. In soldering, brazing or welding processes the molten filler may be confined or retained by the shape or space between the metal parts so long as a mold device is not employed.
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 31+, for apparatus peculiar to the welding of chain links, and subclass 35 for processes of forming or working chain links and additionally welding the links.
75—METALLURGY, subclass 22, for processes of uniting metal particles to form articles, usually by heat and pressure, and for products of such processes.
76—METAL TOOLS AND IMPLEMENTS, MAKING, subclass 101+, for processes of making tools, which processes may involve soldering, brazing or welding in combination with other working.
78—METAL FORGING AND WELDING, subclass 92+, for processes of welding without significant electrical heating which include the step of exerting sufficient pressure between the surfaces being welded to cause a pressure flow of the material of one or more of the surfaces either with or without localized fusion of a surface.
104—RAILWAYS, subclass 15, for electric welding apparatus for operation on completed railway track.
113—SHEET-METAL WARE, MAKING, subclass 59+, for apparatus for uniting metal by means of solder, and subclass 116+, for processes of making articles of sheet metal which may involve soldering, brazing or welding in addition to sheet metal shaping other than for making the joint.
117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, appropriate subclasses, for processes of applying a metal coating to a metal part even though the metal coating, as an incident to a general coating operation, also unites two or more portions of the metal part. Processes of soldering, brazing, or welding differ from processes of coating in that soldering, brazing and welding involve only a localized area of the metal parts in which the molten filler metal is prevented from leveling off over the entire surface of the metal part, such as either by loss of fluidity due to the start of solidification or by a shaping or spacing of the metal parts that accumulates molten filler metal by gravity or capillary flow.
140—WIREWORKING, subclass 112, for processes and apparatus for joining wire by welding in which there is a step involving significant electrical heating.
148—METAL TREATMENT, appropriate subclasses, for processes of soldering, brazing or welding in combination with heat treating.
205—METAL DRAWING, subclass 3+, for apparatus and processes for tube welding by drawing through a die.
219—ELECTRIC HEATING, subclass 10, for processes of welding in which there is a step involving significant electrical heating, and subclass 12, for processes of soldering in which there is a step involving significant electrical heating (where significant electrical heating and significant non-electrical heating are both present, either alternatively or in combination, classification is on the basis of the electrical heating with cross-referencing of any novel non-electrical heating effected); subclass 8, for welding rods per se (whether intended for use with electrical or other heating); and subclass 27, for electrical welding apparatus with means to feed solder to the welding zone.
220—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 82.2, for filling and/or evacuating a receptacle combined with closing the filling or evacuating opening in the receptacle with fused solder or other metal and subclass 82.4, for filling and/or evacuating a receptacle combined with soldering the head of the receptacle to the body.

351. Processes under subclass 350 in which two or more metal parts are soldered, brazed or welded together and are additionally secured together self-sustainingly by means which are effective independently of the soldered, brazed or welded connection.
(1) Note.—The additional securing means may be of the types set forth in the subclasses indented hereunder or in this subclass it may involve the application of a separate fastener such as a rivet.
(2) Note.—Where the additional securing effects a separate and distinct joint from the soldered brazed or welded joint, search should be made in the appropriate manufacturing classifications.

Search this class, subclass—
148+—for processes of fabricating an article involving a series of two or more distinct joining operations some or all of which may be soldering, brazing or welding.
207—for the application of a temporary holding or clamping device to the joint or to the parts being joined which device is removed after the joint is completed.
271—for processes of applying plural layers or deposits of filler metal which layers are not considered to be additional joining means.

Search Class—
113—SHEET-METAL WARE, MAKING, subclass 116+, for processes of fabricating a sheet-metal structure involving a series of two or more distinct joining operations some or all of which may be soldering, brazing or welding.
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclass 119, for processes of laminating or joining two or more preformed parts both by an adhesive material or cement and by additional non-adhesive securing means.
189—METALLIC BUILDING STRUCTURES, subclass 36+, for the structure of the joint between two or more metal parts.

352. Processes under subclass 351 in which the additional mechanical joining involves the interfolding of two or more sheet metal edges followed by a pressing or flattening of the folds so as to mechanically prevent dislodgment of the edges.

Search Class—
113—SHEET-METAL WARE, MAKING, subclasses 8+ and 12, for apparatus for side seaming a can, particularly subclass 9+ in which the side seam is also soldered, subclass 34 for apparatus for compressing the side seam of a tube, subclasses 54–58 for seaming machines, subclass 60+ for can side seam soldering apparatus, subclass 67+, for can head seam soldering apparatus, and subclass 116+ for processes of forming or joining sheet metal parts.
220—METALLIC RECEPTACLES, subclasses 67 and 75+ for seam structures of metallic receptacles.

353. Processes under subclass 351 in which the additional mechanical joining involves fitting together the metal parts to be joined so that a part of smaller dimension constricts a part having a slightly greater dimension.

Search this class, subclass—
148—for processes of joining metal parts by shrink or interference fitting of the parts.

Search Class—
78—METAL FORGING AND WELDING, subclass 15, for apparatus for reducing the opening or diameter of a pipe or tube.

334. Processes under subclass 351 in which the additional mechanical joining involves straddling the soldered, brazed or welded joint, at the location of said joint, with a member which is attached to each of the metal parts that are soldered, brazed or welded together.
(1) Note.—The attachment of the bridging or straddling members to the metal parts which are soldered, brazed or welded together may be by any joining operation such as bolting, riveting or additional soldering, brazing or welding.

Search this class, subclass—
365—for soldering, brazing or welding processes which employ a back-up member that spans the space between the parts to be joined and retains the molten filler metal therein but is removed after the solidification of the filler metal.
367—for soldering, brazing or welding processes in which a member is attached to the parts joined to hold them relatively positioned during the joining operation and subsequently removed.

355. Processes under subclass 350 in which fused filler metal is deposited on a single unitary metal part only, so that an appreciable thickness is built up locally on the metal part.

Search Class—
22—METAL FOUNDING, subclass 203+, for molding or casting processes in which fused metal is cast in contact with unfused metal within a mold, and see this class (29), subclass 350, for the line.
117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 37+, for processes of non-uniform coating of a base, and see this class (29), subclass 350, for the line.

356. Processes under subclass 355 in which the filler metal is deposited in a closed perimeter opening or crevice of the metal part so as to substantially fill or close the opening or crevice.

Search this class, subclass—
148—for methods of repairing cracks or fissures in a single metal part.

Search Class—
113—SHEET-METAL WARE, MAKING, subclass 91, for apparatus for closing an opening in a can with solder.
220—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 82.2, for filling and/or evacuating a receptacle combined with closing the filling or evacuating opening with molten solder.

357. Processes under subclass 350 for soldering, brazing or welding the joints of chain links.

Search Class—
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 35, for processes of soldering, brazing or welding chain links combined with an additional chain making operation such as, for example, bending or forming the links.
219—ELECTRIC HEATING, subclass 5, for apparatus and processes for electrically welding rings or circular articles such as chain links.

358. Processes under subclass 350 in which one self-sustaining metal part is joined to another self-sustaining metal part at contacting areas or surfaces by locally heating at least a portion of the contacting areas or surfaces to the fusion point of at least one of the metal parts.
(1) Note.—Welding processes in which both autogenous and deposit welding steps coming under subclass 350 are combined, are classified in this subclass and cross-referenced to the appropriate deposit welding subclasses where that step is novel.
(2) Note.—The joining of two or more metal parts by use of a filler metal of the same constituency

as the metal parts is sometimes designated as an "autogenous" joint but is not so considered for this subclass. Instead, these processes are classified either on the basis of the application of filler metal in subclasses 371 to 377 or on the material employed, in subclass 378.

Search this class, subclass—
188 and 189—for processes of autogenously joining a plurality of metal parts combined with pressure deformation of one or more of the metal parts.
371 to 378—for application of filler metal of the same composition as the metal parts, and see (2) Note.
376—for the joining of "pre-tinned" or filler metal coated parts either with or without the application of additional filler metal.

Search Class—
78—METAL FORGING AND WELDING, subclass 92+, for processes for autogenously welding without significant electrical heating in which sufficient pressure is exerted between the surfaces being welded to cause a pressure flow of the material of one or more of the surfaces, either with or without local fusion of a surface.
219—ELECTRIC HEATING, subclass 10, for processes for autogenous welding which include a step involving significant electrical heating.

359. Processes under subclass 350 involving cooling of the joint in a specified manner or working or treating of the joined portions of the metal parts united, the filler metal, or both, subsequent to the solidification of the filler metal, to aid in perfecting the joint.
(1) Note.—For example, the working or treating may consist of the removal of excess filler metal or flash.
(2) Note.—Mere cooling in air is not considered to be significant conditioned cooling for placement in this subclass and such disclosures are classified on the basis of other steps of the process. However, application of a coolant, such as liquid or inert gas, to effect solidification and cooling of the fused filler metal, is here included.

Search this class, subclass—
148+—for processes of soldering, brazing or welding combined with working of the metal parts other than at the joint.
360—for processes involving cooling of the parts to protect the same during the application of either the heat or the filler metal.
368—for processes involving the application of a protective or reactive gas during the application of either the heat or the filler metal.
371—for processes involving plural applications of heat or filler metal, the subsequent applications of which may affect the cooling rate of prior applications.

Search Class—
113—SHEET-METAL WARE, MAKING, subclass 99, for devices for applying cooling means to a freshly soldered seam.
148—METAL TREATMENT, appropriate subclasses, for welding combined with heat treating to control the metallurgy of the joint.

360. Processes under subclass 350 characterized by (a) the preparation of the metal parts prior to the application of both the filler metal and the fusion heat, at or adjacent the joint, for optimum joinder, and/or (b) the protection or shielding of the filler, a metal part or components thereof, or both against detrimental effects, prior to, during, or subsequent to joining.
(1) Note.—Protection is taken to include inhibiting deleterious chemical attack on the parts during joining (subclasses 368 and 369+), confinement of the filler to desired areas of the metal parts (subclass 364+) and application of cooling means or heat barriers (this subclass).
(2) Note.—Preparation is taken to include preshaping of the joining surfaces only (subclass 361+), application of a material or device which aids the flow or bonding action of the filler metal (subclasses 363 and 366), the application of a device which serves as a clamp or support during the joining operation (subclass 367) and the cleaning or roughening of the metal parts or removal of unwanted material therefrom (this subclass).
(3) Note.—Processes of protecting or preparing metal parts where not combined with steps of soldering, brazing or welding are usually provided for elsewhere in accordance with the nature of the operation performed.

Search this class, subclass—
51—for processes of removing scale from metal.
371—for soldering, brazing or welding processes involving preheating which is considered not to be a preparatory treatment.

Search Class—
51—ABRADING, subclass 282, for processes of tumbling and sand blasting which frequently are disclosed as for cleaning preparatory to some subsequent operation.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 1 to 42, for processes of cleaning articles including those involving the application of a liquid.

361. Processes under subclass 360 in which one or more of the metal parts to be joined are subjected to a shaping operation, prior to joining, at or adjacent the areas which are to contact the filler metal.
(1) Note.—"Shaping" is construed to include both the cutting away or removal of portions of the metal part, as by milling or planing, and the plastic deformation of portions of the metal part, as by bending or forging.
(2) Note.—Processes of soldering, brazing or welding combined with shaping of the metal part other than at or adjacent the joining areas is classified in the appropriate manufacturing classification and not here with the soldering, brazing or welding operation.

Search this class, subclass—
148+—for processes of soldering, brazing or welding combined with shaping of the metal parts other than at the joining areas, not elsewhere classified.
351+—for processes of soldering, brazing or welding combined with shaping of the metal parts to effect a supplementary mechanical joining.

Search Class—
59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 35, for processes of soldering, brazing or welding combined with the bending or forming of a chain link.
113—SHEET-METAL WARE, MAKING, subclass 116+, for processes of soldering, brazing or welding combined with shaping of sheet metal parts at other than the areas to be joined.
219—ELECTRIC HEATING, subclass 3, for electrical heating of metal combined with the shaping thereof.

362. Processes under subclass 361 in which said shaping operation consists in so forming at least one of the areas to be joined as to present a groove, channel or trough for the reception of the filler metal.
(1) Note.—The groove, channel or trough is frequently of V- or U-shape.

Search this class, subclass—
352—for processes involving supplementary lock seaming which frequently results in a groove.

363. Processes under subclass 360 in which a material, which inherently acts to facilitate the movement of molten filler metal by capillarity, is placed on one or more of the metal parts to be joined, or in the space between such metal parts that is to be filled with the filler metal, so as to direct filler metal to the joint.

Search this class, subclass—
377—for other distribution or application of molten filler metal.

364. Processes under subclass 360 which include the step of providing means other than the shape of the metal parts joined for: (a) preventing the flow of fluent filler from the joint, or (b) preventing the formation of a bond between certain areas of the metal parts to be joined, or between an area of one or more of the metal parts to be joined and some extraneous body.

Search Class—
22—METAL FOUNDING, subclasses 189 and 192, for means and processes for preventing the adherence of founding metal to the mold in which it is cast.
117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 5.5, for processes in which a base is protected during a coating operation by a protective coating, and see the search notes thereto.

365. Processes under subclass 364 in which the means comprises a body of sufficiently high melting point or heat conductivity to establish, with respect to the fused filler metal contacting it, a cooled zone; and/or a body which acts to retain the fused filler metal within the space between the metal parts to be joined.
(1) Note.—Class 22, METAL FOUNDING, takes molding apparatus and processes of molding where the mold acts to contain the cast metal for producing the casting, whereas the body or chill, here above defined, acts to retain the filler within the joint, i. e., the retainer acts as a wall of a back-up, the joining surfaces providing the other retaining surfaces.

Search Class—
22—METAL FOUNDING, subclass 213, for processes of casting metal using a chill, and see (1) Note, above.

366. Processes under subclass 360 including the step of coating one or more of the metal parts to be joined with a metal having a melting point higher than that of the filler metal prior to the joining operation, the resulting metal coating being of such nature as to cooperate with the filler metal to facilitate bonding.

(1) Note.—The metal coating does not melt in the presence of the fused filler metal so that the coating does not become an ingredient of the [illegible] but is rather a portion of one of the [illegible] parts to be joined.

Search this class, subclass—
179.5—for processes which include coating a non-metallic part with metal and then soldering, brazing or welding the coated part to either a metal part or a metal coated non-metal part.
194+—for bonded metal joints in which one or more additional layers of different metal are superposed in the joint.
371—for processes of soldering, brazing or welding in which a portion or an ingredient of the filler metal is derived from a fusible preplaced layer or coating on one or more of the metal parts being joined; with the remainder of the filler metal being otherwise supplied.
376—for processes of soldering, brazing, or welding in which the fusible filler metal is supplied *entirely* from a "pre-tinned" layer or coating on at least one of the metal parts to be joined.

367. Processes under subclass 360 including the step of temporarily holding the surfaces to be joined either in relatively fixed positions or so as to urge the surfaces toward each other.
(1) Note.—Significant manipulation or placement of the surfaces is found here but mere placement or juxtaposing of the surfaces is classified according to some other step of the process.

Search this class, subclass—
284+—for work holders not elsewhere classified including those disclosed for welding where the work holder does not include features disclosed as having utility only in welding.

Search Class—
113—SHEET-METAL WARE, MAKING, subclass 99+, for clamps or work holders which hold work while it is being soldered, brased or welded but not modified for electrical heating.
219—ELECTRIC HEATING, subclass 17+, for work holders specialized for electric heating, soldering and welding.

368. Processes under subclass 360 including the step of causing a protective or reactive atmosphere to contact the parts about the joining surfaces while heated during the joining operation.
(1) Note.—The said atmosphere may be either a confined body or a directed blast of either a gas or a vapor or a mixture of such or it may be in the form of a flame or partial vacuum.
(2) Note.—The protective or reactive gas, flame or vapor may have a fluxing effect in the joining operation. This subclass includes the applying of a flux by adding a volatile flux to the heating flame. For processes involving the application of flux in liquid or solid form in soldering, brazing or welding operations, search this class, subclass 369+.
(3) Note.—The application of a coolant, such as a liquid or gas, to one or both of the metal parts, other than at the joint, to afford protection against an excessive rise in temperature of the parts, is in this class, subclass 360.

Search this class, subclass—
360—for applying coolant to the work and see (3) Note above.
369+—for applying flux to the work and see (2) Note above.

Search Class—
148—METAL TREATMENT, appropriate subclasses, for processes of cutting by heat, working and heat treatment or heat treatment alone, utilizing reactive or protective atmospheres.

369. Processes under subclass 360 which include the step in which a fluxing substance is applied to the joining surfaces or filler metal to clean or to maintain the same free of oxidation products or otherwise promote the union of the metal parts thereof during joining.

Search this class, subclass—
368—for the application of fluxing material in the form of a gas or vapor, which establishes a protective or reactive atmosphere about the joint.

Search Class—
148—METAL TREATMENT, subclass 23+, for fluxing compositions and for methods of fluxing using a particular fluxing composition, even when that method is designated to be a method of soldering, brazing, or welding.

370. Processes under subclass 369 in which the fluxing substance is incorporated with or affixed to the filler metal prior to fusion of the filler metal for their concurrent application to the joint.
(1) Note.—The flux in many instances is incorporated with the filler metal either as a core or as a coating on a filler wire or rod.

Search this class, subclass—
360—for processes involving passing the joining surfaces through a supernatant layer of flux on a bath of molten filler metal.

Search Class—
113—SHEET-METAL WARE, MAKING, subclass 110, for solder forms in which filler metal is united or combined with a flux.
219—ELECTRIC HEATING, subclass 8, for weld rods, for both gas flame and electric arc use, having a flux incorporated therewith.

371. Processes under subclass 350 involving at least two applications of heat or at least two applications of filler metal or both to effect a single joint.
(1) Note.—One or more of the heat applications may be preheating prior to the application of the fusion heat or of a fused filler.
(2) Note.—One or more of the applications of filler metal may be by pre-tinning with, or preplacement of, the filler metal or one of its constituents, such that, upon application of fusion heat, the pre-tinning or preplaced metal fuses with the additional filler metal or constituents thereof to form a bond with the metal parts being joined.
(3) Note.—This subclass includes the deposition of successive strata of filler metal one upon the other, as well as successive depositions on opposite sides or spaced areas of the joint.

Search this class, subclass—
354—for processes of effecting a supplementary bond using a bridge or tie member and involving plural applications of fusing heat and/or filler metal.
357—for processes of soldering, brazing or welding successive chain links.
366—for processes involving preplaced coatings that do not fuse at the fusion temperature of the filler metal.
376—for processes wherein all the filler metal for effecting the joint is contained in a solid coating or "pre-tinning" of one or more of the metal parts being joined.

Search Class—
148—METAL TREATMENT, appropriate subclasses, for welding followed by a heat treatment for altering or controlling the metallurgical properties of the joined parts.

372. Processes under subclass 350 involving the application of heat at a specified temperature or specified rate, or both.
(1) Note.—The critical or specified temperature or rate of heating either may or may not produce or coincide with an altered physical or metallurgical property of any metal constituent of the joint.
(2) Note.—A mere statement that the joining is effected at a "soldering", "brazing" or "welding" temperature or that the filler metal is raised to its melting point is not sufficient for placement in this subclass.

373. Processes under subclass 350 in which unfused filler metal is caused to melt at an area of contact with the metal parts to be joined and is then progressively advanced toward said parts simultaneously with the fusion of additional quantities of filler metal.
(1) Note.—The unfused filler metal usually is in the form of a rod or wire.

Search Class—
219—ELECTRIC HEATING, subclass 8, for weld rods per se used in either electric or non-electric welding processes.

374. Processes under subclass 350 which include the step of locating a quantity of unfused filler metal on or adjacent the surfaces of the metal parts to be joined prior to the step of applying fusing heat to the filler so located.
(1) Note.—The placement of the filler metal may take place either before or after the juxtaposing of the metal parts to be joined.
(2) Note.—The solid filler metal as preplaced frequently is pre-shaped or in the form of a powder to facilitate placement.

Search Class—
75—METALLURGY, subclass 122+, for metallic alloys.
113—SHEET-METAL WARE, MAKING, subclass 110, for solder preforms either with or without flux combined therewith and for solder compositions other than metallic alloys.
287—ROD JOINTS OR COUPLINGS, subclass 20.2, for fastening elements having a solder supply incorporated therewith.

375. Processes under subclass 374 in which the unfused filler metal is located between the bonding areas of the metal parts to be joined.

376. Processes under subclass 375 in which the unfused filler metal has been bonded to one or more of the sur-

faces to be joined prior to the application of the filler metal fusing heat that bonds together the metal parts being joined.

(1) Note.—The unfused layer of filler metal may be in the form of a coating or "pre-tinning" on one or more of the surfaces to be joined.

Search this class, subclass—
- 366—for processes in which self-sustaining parts are joined to each other by locally heating at least a portion of their contacting areas to the fusion point of at least one of the metal parts.
- 366—for processes of soldering, brazing or welding in which a preliminary coating is applied to one or more of the metal parts but that coating does not fuse at the fusion temperature of the filler metal nor become a part of the filler metal.
- 371—for processes of soldering, brazing or welding in which a portion or an ingredient of the filler metal is derived from a fusible preplaced layer or coating on one or more of the metal parts being joined with the remainder of the filler metal being otherwise supplied.

377. Processes under subclass 350 which include the step of contacting the juxtaposed surfaces to be joined with molten filler metal or of distributing molten filler metal at the juxtaposed surfaces.

(1) Note.—Included in this subclass are processes of soldering, brazing or welding in which contact of fused filler with the joining surfaces of the metal parts is effected by scraping, scratching, brushing or other surface exposure with some instrumentality while the surfaces are in contact with the fused filler. Aluminum frequently is soldered or brazed by this process.

(2) Note.—This subclass includes joining parts together while subjecting molten filler metal to vibration.

(3) Note.—This subclass includes processes in which the parts being joined are moved relative to one another while there is molten filler metal between them so as to better distribute the filler metal throughout the joint. However, see subclass 367, where a resilient clamping pressure is applied to urge the parts together and, as an incident thereto, causes flow of filler metal from between the parts as the filler metal fuses.

(4) Note.—This subclass includes joining processes in which the joint is immersed in a bath of molten filler metal.

Search this class, subclass—
- 368—for processes using porous or capillary feed material on or between the parts to facilitate distribution of the filler metal throughout the joint.
- 367—for processes which include clamping the parts together, and see (3) Note above.

Search Class—
- 117—COATING: PROCESSES AND MISCELLANEOUS PRODUCTS, subclass 114, for processes of coating articles by immersion in a molten metal bath.

378. Processes under subclass 350 in which the metal selected for, or the metallurgical condition of, the filler and/or metal part to be joined is of the essence in the joining process.

(1) Note.—The broad identification of the filler and/or metal part as solder, filler or weld metal or as a metal part, without further specification of the material, is not considered to be critical.

(2) Note.—This subclass is intended to accumulate disclosures involving the joining of unique or unusual metals or those which are difficult to use in a conventional joining operation.

Search this class, subclass—
- 194+—for soldered, brazed or welded joints which are characterized only by the composition of the metal parts joined and/or of the filler metal.

Search Class—
- 75—METALLURGY, subclass 122+, for metallic alloys.
- 113—SHEET-METAL WARE, MAKING, subclass 110, for solder forms or for compositions in which the filler metal or alloy is combined with other substances.
- 219—ELECTRIC HEATING, subclass 8, for weld rods per se, used in either electric or non-electric welding processes.

36, Boots, Shoes and Leggings
in subclass 8.5, under "Search Class", insert:
- 2—ARTIFICIAL BODY MEMBERS, subclass 5, for artificial foot extensions, and see (1) Note thereto for the line.

43, Fishing, Trapping, and Vermin Destroying
in subclass 42.49, under "Search this class, subclass", cancel the reference to subclass 28, and add:
- 44.28+—for attaching devices for hooks only.

51, Abrading
in subclass 184.1, in the definition, after "inside" insert the words *or outside*.
in subclass 282, under "Search Class", insert:
- 29—METAL WORKING, subclass 360+, for processes of soldering, brazing, or welding which include a step of preparing the metal parts for reception of the filler metal, as by cleaning or roughening.

57, Textiles, Spinning, Twisting and Twining
in subclass 2, in the definition, delete "some" and substitute *at least one*.
in subclass 144, cancel the notes, and substitute:
Search this class, subclass—
- 160+—for corresponding processes.

Search Class—
- 59—CHAIN, STAPLE, AND HORSESHOE MAKING, subclass 92, for wrapped or twisted chain links.
- 64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, subclass 2, for flexible rotary shafting comprising twisted strands.
- 174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclasses 68+ and 137+, for twisted strands having elements imparting conductive or insulating qualities to the strand.

59, Chain, Staple, and Horseshoe Making
in subclass 35, cancel "(2) Search Class", and substitute:
Search Class—
- 29—METAL WORKING, subclass 357, for processes limited to soldering, brazing or welding the joints of chain links without additional chain making operations such as bending or forming the links.

75, Metallurgy
in subclass 22, add:
(8) Note.—For processes of soldering, brazing or welding search Class 29, METAL WORKING, subclass 350+.

76, Metal Tools and Implements, Making
in subclass 101, under "Search Class", insert:
- 29—METAL WORKING, subclass 350+, for processes for making tools which include only such steps as are necessary for the formation of a single joint by soldering, brazing or welding.

78, Metal Forging and Welding
in subclass 92, add:
Search Class—
- 29—METAL WORKING, subclass 350+ (especially subclass 358), for processes of welding without significant electrical heating and without the use of pressure sufficient to cause a plastic deformation of one or more of the parts being joined.

88, Optics
in subclass 20, in the definition, insert the word *or* between "movement" and "of".

113, Sheet-Metal Ware, Making
in the class definition, first paragraph, after "all machines", cancel *and processes*.
in subclass 59, before "Note" add (*1*), and add:
Search Class—
- 29—METAL WORKING, subclass 350+, for processes of soldering, brazing or welding.

in subclass 92, add:
Search Class—
- 29—METAL WORKING, subclass 367, for processes of soldering, brazing, or welding in which the parts joined are interposed between surfaces pressing them toward each other.

in subclass 99, under "Search Class", insert:
- 29—METAL WORKING, subclass 367, for processes of soldering, brazing or welding employing clamps.

in subclass 112, abolish the definition.
in subclass 116, under "Search Class", insert:
- 29—METAL WORKING, subclass 350+, for processes of making a single joint which include the step of soldering, brazing or welding.

in subclass 120, under "Search this class, subclass", cancel the reference to subclasses 59 and 112, and insert in numerical order:
- 7+—for can making machines.
- 59+—for seam welding and soldering apparatus.

and under "Search Class", cancel the reference to Classes 29 and 78, and substitute:
- 29—METAL WORKING, subclass 157.4, for boiler making, and subclass 350+ for processes including welding, brazing or soldering one or more metal parts in the making of a single joint.

- 78—METAL FORGING AND WELDING, subclass 46+, for machines and methods of riveting.

117, Coating: Processes and Miscellaneous Products
in the class definition, under "Notes", Section I, (5), cancel the reference to Class 113, and in the reference to Class 29, change the final period to a semicolon, and add:
subclass 350+ provides for processes of soldering, brazing, or welding one or more metal parts (see particularly subclasses 355+ and 376 for such processes involving coating of a metallic body with fusible filler metal, and subclass 366 for such processes involving precoating with a bond facilitating metal).
in subclass 5.5, under "Search Class", insert:
- 29—METAL WORKING, subclass 364+, for processes of soldering, brazing or welding in which the metal parts have means for confining the fused filler metal to restricted areas.

119, Animal Husbandry
in subclass 135, in the definition, cancel "of snoutrings" and substitute *or snouts*.

134, Cleaning and Liquid Contact With Solids
in the class definition, in "(5) Note", under "Search Class", in the reference to Class 29, add:
- 360+—for processes of preparing metal parts for soldering, brazing or welding including steps of cleaning.

139, Textiles, Weaving
in subclass 420, add:
Search Class—
- 174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 137+, for fabrics comprising an element which is woven into the texture for the purpose of imparting electrical insulating qualities to the fabric.

in subclass 425, add:
Search Class—
- 174—ELECTRICITY, CONDUCTORS AND INSULATORS, subclass 68+, for fabrics in which the metal element of the texture imparts conductivity to the fabric.
- 219—ELECTRIC HEATING, subclass 46, for fabrics in which the metal element produces an electrical heating effect.

140, Wireworking
in subclass 111, under "Search Class", insert:
- 29—METAL WORKING, subclass 350+, for processes of making a single joint which include soldering, brazing or welding.

148, Metal Treatment
in subclass 23, under "Search Class", cancel the reference to Class 113, and insert:
- 29—METAL WORKING, subclass 369+, for soldering, brazing or welding processes involving the use of a flux to facilitate the joining operation.

154, Laminated Fabric and Analogous Manufactures
in subclass 2.22, in "(1) Note", after "see" insert:
Class 29—METAL WORKING, subclass 350+.
and under "Search Class", in the reference to Class 29, at the end, insert:
(See (1) Note above).
in subclass 119, under "Search Class", insert:
- 29—METAL WORKING, subclass 351+, for processes of making a single joint which include both soldering, brazing or welding and supplementary joining.

179, Telephony
in the class definition, cancel "or electricity and other radiant energy", and under "Search Class", add:
- 250—RADIANT ENERGY, appropriate subclasses, particularly subclass 6, for radio-telephony and subclass 7 for telephony by means of light waves.
- 343—COMMUNICATIONS, RADIANT ENERGY, appropriate subclasses, particularly subclass 100 for directive radio-telephony.

in subclass 2, in the definition, cancel "or light, alternating and phase currents" and substitute *lighting, or power currents*.

214, Material or Article Handling
in the class definition, in "(4) Note", change "dredges" to *shovels*, and after the first sentence, insert:
Otherwise stated, those inventions relating to the excavating art, including power scoops, shovels or the like in which movement is imparted to such scoops or shovels subsequent to or in addition to those movements deemed necessary to complete an excavating operation, which additional movement is usually for transporting the excavated material to a disposal point, are considered to include such handling of the excavated material as will provide a basis for classification in Class 214.

219, Electric Heating
in subclass 4, under "Search Class", insert:
- 29—METAL WORKING, subclass 350+, for processes for welding metal involving heating means other than electrical.

in subclass 13, add:
(1) Note.—This subclass includes induction heating apparatus wherein the metal to be heated forms the secondary of the transformer (e. g., the metal is heated by induced eddy currents).
Search this class, subclass—
- 47—for other electric heating processes and apparatus within the class definition wherein the heating is effected by electromagnetic or electrostatic induction.

in subclass 47, add:
(1) Note.—This subclass includes electric heaters wherein the heating is effected by electrostatic induction.
Search this class, subclass—
- 13—for metal heating processes and apparatus wherein the metal is heated by induced currents.

223, Apparel Apparatus
in the Class definition, add:
Search Class—
- 3—ARTIFICIAL BODY MEMBERS, appropriate subclasses, for body forms, frames or structure used to replace portions of living bodies.

238, Railways, Surface Track
in subclass 14.05, cancel "(7) Note" and substitute:
(7) Note.—For methods of making rail-bonds and/or for attaching them to the rails, see the appropriate method classes, especially Class 29, METAL WORKING, subclass 169.2 and subclass 350+, and Class 219, ELECTRIC HEATING, subclass 10.

240, Illumination
in subclass 2.25, under "Search Class", add:
- 313—ELECTRIC LAMP AND DISCHARGE DEVICES, subclass 108+ and the subclasses specified in the notes thereto for electric lamps per se, and electronic tubes which have combined therewith a fluorescent or phosphorescent material.

Winding and Reeling
in subclass 35.6, under "Search Class", insert:
- 57—TEXTILES, SPINNING, TWISTING AND TWINING, subclass 34, for reserve thread uniting means combined with twisting or twining instrumentalities.

in subclass 75, cancel "(2) Search Class", and substitute:
Search Class—
- 28—TEXTILES, subclass 35+, for means to control the tension of a warp sheet being wound on a beam.

252, Compositions
in subclass 479, in the definition, after "electrodes and shields", second occurrence, add: *for such devices*.

263, Heating
in the class definition, under "Search Class", insert:
- 29—METAL WORKING, subclass 350+, for soldering, brazing and welding processes.

and in the reference to Class 113, cancel "and processes".

279, Chucks or Sockets
under "Search Class", in the class definition, insert:
- 3—ARTIFICIAL BODY MEMBERS, subclasses 12.4, 12.5 and 12.8 for chucks or sockets used in mounting artificial hands or articles on artificial arms.

280, Land Vehicles
in subclass 1.1, under "Search this class, subclass", in the reference to subclass 87.01+, before the last sentence, insert:
Automobile simulations for subclasses 1.1 and 1.11 comprise body and running gear combinations having structure, the chief purpose of which is to render the vehicle attractive to children by imitating features characteristic of automobiles, as sound effects, simulations of brakes, headlights, radiators, etc., hoods, cowls, rear decks or fenders. A body comprising a flat board claimed as having the outline of an automobile is considered a simulation.

294, Handling, Hand and Hoist-Line Implements

in subclass 86, under "Search Class", insert:

3—ARTIFICIAL BODY MEMBERS, subclass 12+, for artificial hands adapted to engage or grasp objects.

313, Electric Lamp and Discharge Devices

in subclass 108, add:

Search Class—

240—ILLUMINATION, subclass 2.25 for illuminating devices which have combined therewith a fluorescent or phosphorescent material.

315—ELECTRIC LAMP AND DISCHARGE DEVICES, SYSTEMS, appropriate subclasses, for electric systems for supplying electric energy to electric lamps which are provided with a fluorescent or phosphorescent material. Note that systems for supplying electric energy to electronic tubes which are provided with a fluorescent or phosphorescent material for the purpose of emitting light are considered to be lamp systems classified in Class 315.

in subclass 220, under "To Complete the Search for This Subject Matter, Search Subclass", insert in numerical order:

160.5—where the envelope is formed into the shape of indicia, as, for example, the letters of a sign.

323, Electricity, Voltage Magnitude and Phase Control Systems

in subclass 9, under "Search Class", add:

322—ELECTRICITY, SINGLE GENERATOR SYSTEMS, subclasses 23+, 27 and 28 for electric generator systems wherein the generator or driving means is provided with automatic control means responsive to an electrical condition of the generator output, including such systems as are operative to prevent the current from exceeding predetermined values. See specifically subclass 25, wherein the automatic control means is responsive to both current and voltage of the generator output, subclass 27, wherein the automatic control means is responsive to generator current output, and subclass 28 wherein the automatic control means is responsive to generator voltage output or voltage of the circuit supplied by the generator.

343, Communications, Radiant Energy

in subclass 5, section (3), of the class definition, cancel the word "otherwise", second occurrence, and change "designated" to *designed*.

in subclass 18, cancel "otherwise", second occurrence.

M. C. ROSA,
Acting Executive Primary Examiner.

Disclaimers

2,564,719.—*Melvin W. Powell*, Pelham, Ga. COIN-ACTUATED CONTROL AND CHANGE DELIVERY MECHANISM. Patent dated Aug. 21, 1951. Disclaimer filed Aug. 31, 1951, by the inventor.

Hereby enters this disclaimer to claim 7 of said patent.

2,499,816.—*Ralph B. Carter, Jr.*, Maywood, N. J. FLOCCULATION AND MIXING APPARATUS. Patent dated Mar. 7, 1950. Disclaimer filed Sept. 5, 1951, by the inventor, the assignee, *Frederick E. Stuart* agreeing and consenting, to the extent set forth.

Hereby enters this disclaimer to claims 1, 3, 4, and 5 of said patent, and of the subject matter of claim 2, except as claim 2 is limited by the following words, to wit: "said angle being a right angle."

2,451,380.—*George E. Curtiss, Jr.*, Penn Wynne, Pa. LATCH. Patent dated Oct. 12, 1948. Disclaimer filed Aug. 28, 1951, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claims 1, 2, and 8 of said patent.

2,451,381.—*George E. Curtiss, Jr.*, Penn Wynne, Pa. REFRIGERATOR DOOR LATCH. Patent dated Oct. 12, 1948. Disclaimer filed Aug. 28, 1951, by the assignee, *Philco Corporation*.

Hereby enters this disclaimer to claims 1, 2, 3, 6, 8, 9, 10, and 11 of said patent.

Application for the Extension of Patent

VETERANS

PUBLIC LAW 598—*81st Congress*

Application for extension of the following patent has been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

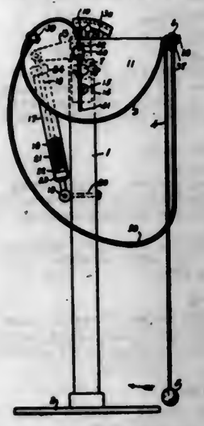
Any person who believes that he would be injured by the extension of the patent cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

Milton T. Thompson 1,971,057 Aug. 21, 1934

JOHN A. MARZALL,
Commissioner.

1,971,057
GOLF BALL PRACTICE MACHINE
Milton T. Thompson, Upper Montclair, N. J.
Granted Aug. 21, 1934
24 Claims. (Cl. 273—35)



2. A golf ball practice machine, comprising a stand, a rotatable drum on the stand, a suspended captive ball attached to the drum, said drum having its peripheral surface curved approximately as an involute, leaving a space between the two extremities through which the ball may pass into the interior of the drum, an indicator, and means on said drum to move said indicator when the ball is struck.

Adjudicated Patents

(D. C. Mich.) Shell Patent No. 1,968,225, for improvement in a spark plug, *Held* invalid and not infringed. *Shell* v. *Auto Lite Co.*, 98 F. Supp. 462; 89 USPQ 363.

(D. C. N. Y.) Van Der Horst Patent No. 2,412,698, for chromium for wear resistance, claim 4 *Held* invalid and not infringed, claims 6, 9, 13, 22 to 27, *Held* invalid and infringed. *Van Der Horst Corp. of America* v. *Chromium Corp. of America*, 98 F. Supp. 412; 90 USPQ 169.

Extension of Patent Granted

Patent No. 2,289,859. CONTAINER PACKAGE. Granted July 14, 1942, Charles J. Arthur. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 88 days from the expiration of the original term thereof.

Erratum

In the OFFICIAL GAZETTE of Sept. 25, 1951, page 920, line 4, for the reference "90 F.2d 90" read *189 F.2d 990*.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,548,613. Cable Controlled Dump Box. Patented Apr. 10, 1951. Dump truck has a hinged tiltable body movable by a cable-operated carriage. The carriage has spaced parallel supporting blocks for a pair of axles carrying rollers to engage rails on the truck frame. A third axle carries rollers to engage elevating rails on under side of body. A manually controlled reversible drum carries a cable which is trained over sheaves on the carriage and frame. The drum may be operated to move the carriage along the rails and raise the body to dumping position. Reverse movement of carriage restores body to load-retaining position. (Owner) Alon A. Monson, 1108 West Clark St., Livingston, Mont. Groups 35—22—63; 37—99; 38—11. Reg. No. 44,870.

Pat. 2,551,169. Sine Bar. Patented May 1, 1951. A tool for measuring angles or for setting a piece of work at a desired angle in a machine preparatory to cutting and grinding. An elongated main body portion has an offset portion at one end. A swinging arm pivotally mounted in a window in the body rests in the offset. A locking shoe is slidably mounted in a bore communicating with the window. The shoe may be moved into locking contact with the arm to set the arm in any desired position. (Owner) Rudolph Sachtleber. Correspondence to Rohe Meyer, 401 Worthington Ave., Harrison, N. J. Group 35—43—69. Reg. No. 44,871.

Pat. 2,542,078. Detachable Heel. Patented Feb. 20, 1951. A detachable heel for shoes is releasably secured to the heel base by a channel-shaped horseshoe member. The horseshoe, comprising two sections connected by a hinge, engages grooves in the sides and back of heel and heel base. The ends of the horseshoe member pass through openings in a plate mounted on front of heel base and engage latches on the plate for locking the heel in position. (Owner) Thomas Gilmour, 611 New York Ave., Brooklyn 3, N. Y. Groups 30—22; 31—31—32—41. Reg. No. 44,872.

Pat. 2,556,842. Interchangeable Shoe Heels. Patented June 12, 1951. This invention relates to a shoe heel having a renewable lower wear heel portion. A heel base permanently attached to a shoe and the slidably mounted wear-heel portion have interlocking ribs and grooves. The outer ends of opposed overlapping plates are pivoted to the breast of the heel base. A hook and finger extension on inner ends of the plates releasably connect the plates. The plates may be released and the wear heel removed by sliding it forwardly. (Owner) Thomas Gilmour, 611 New York Ave., Brooklyn 3, N. Y. Groups 30—22; 31—31—32—41. Reg. No. 44,873.

Pat. 2,550,385. Memorandum Sheet Holder. Patented Apr. 24, 1951. Reg. No. 44,874.

Pat. 2,550,386. Memorandum Device. Patented Apr. 24, 1951. Reg. No. 44,875.

These two patents show loose leaf containers for notepaper (or thin cards) with a plunger associated with lower end of the front panel to select and retain any particular sheet in position for either taking notes or for quick reference thereto. Each container has a pocket in the lower end to receive note paper, and a transverse fold line in the front panel to form an upper hinged cover flap that may be swung downwardly to open position. With the flap open, any desired number of sheets may be turned down on the flap, and the plunger slid upwardly so that its upper end will enter aligned slots in the center of the sheets to hold them away from a selected sheet. With the plunger in this position (Pat. 2,550,386) the flap may be closed so that, when it is opened, the selected sheet will be exposed. (Owner) Herman B. Shepard. Correspondence to Leech and Radue, 1089 National Press Building, 14th and F Sts., Washington, D. C. Groups 27—82—83; 35—79; 39—81; 40.

Pat. 2,553,041. Can Opener. Patented May 15, 1951. An L-shaped can opener is stamped from a single piece of material. A base has a prong for punching pouring openings, a cutting blade with a co-acting finger for shearing end of can, and a recess with a projection providing a bottle opener. An upwardly bent arm provides a handle. (Owner) John F. Hager, Route 2, Boise, Idaho. Groups 33—51—73; 34—99; 40. Reg. No. 44,876.

Pat. 2,548,561. Bobby Pin Opener. Patented Apr. 10, 1951. Support and spreader for bobby pins, for beauty shop or home use. A base supports an up-standing holder and spreader portion. Spreader portion has a wide thin upper section to hold a quantity of pins. The section adjoins a lower recessed section of gradually increasing thickness which adjoins a bottom section attached to the base. The pins may be spread and removed with one hand by sliding the lowest pin downwardly to the recess. May be made of wood, metal, glass, ceramic, or plastic. (Owner) John A. Sewol. Correspondence to Morris Relson, % Darby & Darby, 405 Lexington Ave., New York 17, N. Y. Groups 25—99; 32—39—69; 34—41; 39—81—91; 40. Reg. No. 44,877.

Pat. 2,549,399. Electrode for Diathermy Apparatus or the Like. Patented Apr. 17, 1951. Electrode for diathermy machines is designed to minimize spark-over difficulties and also permits an even control of power flow to the subject over the entire range of adjustment without undue sensitivity. A flat spiral conductor is connected to a short-circuited conductive loop and to the lead-in conductor from the machine. Modifications given. (Co-owner) Morris Relson, % Darby & Darby, 405 Lexington Ave., New York 17, N. Y. Group 36—12—92. Reg. No. 44,878.

United States Government Owned Patents

The following three patents (granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757) are the property of the United States of America as represented by the Secretary of the Interior by virtue of assignments from the inventors, Ruth E. Churchward (Pat. 2,537,034), Edward P. Barrett (Pat. 2,545,441), and Edmond Gerald Meyer (Pat. 2,550,708). Non-exclusive and royalty-free licenses are available.

Applications for licenses should be directed to: The Solicitor, U. S. Department of the Interior, Washington 25, D. C.

Pat. 2,537,034. Purification of Commercial Soda Ash. Patented Jan. 9, 1951. A concentrated solution of commercial soda ash is treated with soluble inorganic sulfide to remove the insoluble sulfide precipitate. The residual sulfide is removed by treating the solution with cobalt sulfate. The cobalt sulfide precipitate is removed and the solution heated and treated with ferric sulfate to form insoluble ferric hydroxide containing peptized sulfides. The purified alkali metal carbonate solution is removed from the ferric hydroxide residue. Example is given in patent. Group 28—89. Reg. No. 44,879.

Pat. 2,545,441. Method for Forming Glomerules. Patented Mar. 20, 1951. Finely pulverized iron ore is mixed with sufficient water or other liquid to form a plastic mass. The mass is extruded through a horizontally vibrating perforated plate. The extrusions are cylindrical and may be further shaped into spherical form by rolling in a drum. The spherical formed plastic ore is dried and baked, producing a hard, strong, yet porous nodule. Groups 28—83; 32—95; 35—33. Reg. No. 44,880.

Pat. 2,550,708. Removal of Silica From Alkaline Carbonate Brines. Patented May 1, 1951. In accordance with this invention, silica-free alkali carbonate brines are produced by adsorption of the silica content thereof on hydromagnesite followed by separation of the silica-free solution from the silica-containing hydromagnesite residue. Groups 28—89; 32—95. Reg. No. 44,881.

General Electric Company offers the following patents for non-exclusive licensing upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following nine patents relate to circuits and apparatus for operating electric discharge devices; a glass housing for electric lamps; a support for electric lamps; a mounting which cools lamps; a ceiling light fixture; and an illuminating unit containing an incandescent lamp and a metal vapor arc lamp. Also included are traffic signal lights; an underground detector for vehicle-actuated traffic signals; and a portable device for detecting, indicating, and counting passing traffic. Groups 34—81; 36—11—13—51—62—99.

Pat. 2,099,381. Electric Discharge Device. Patented May 21, 1935. Reg. No. 44,882.

Pat. 2,054,659. Electric Gaseous Discharge Device. Patented Oct. 6, 1936. Reg. No. 44,883.

Pat. 2,060,637. Signal Lamp. Patented Nov. 10, 1936. Reg. No. 44,884.

Pat. 2,082,629. Electric Signal Device. Patented June 1, 1937. Reg. No. 44,885.

Pat. 2,091,820. Projector. Patented Aug. 31, 1937. Reg. No. 44,886.

Pat. 2,143,673. Lighting Fixture. Patented Jan. 10, 1939. Reg. No. 44,887.

Pat. 2,149,998. Traffic Detector. Patented Mar. 7, 1939. Reg. No. 44,888.

Pat. 2,276,837. Road Contact for Traffic Analyzers. Patented Mar. 17, 1942. Reg. No. 44,889.

Pat. 2,312,232. Liquid-Cooled Lamp. Patented Feb. 23, 1943. Reg. No. 44,890.

The following two patents relate to a butter storage compartment for refrigerators, and a freezing tray for ice cubes for refrigerators. A removable longitudinal bar for the tray has ice cube separators mounted thereon. The cubes are released by an operating arm pivoted to end of bar. Groups 33—71; 34—41; 35—84; 39—81; 40.

Pat. 2,303,806. Butter Conditioner. Patented Dec. 1, 1942. Reg. No. 44,891.

Pat. 2,544,769. Freezing Tray. Patented Mar. 27, 1951. Reg. No. 44,892.

The following 13 patents disclose: Photo-electrically governed control system for detecting imperfections on continuously moving opaque material; electric toaster with removable heating unit; fluid-tight shaft adjustment; grid-controlled type rectifier; cartridge type brush holder with movable contact members; magnetic switch for electrometers and the like; apparatus for cleaning the sparking stylus tip of electric recorders; apparatus for detecting flaws in conductors; grease-packed ball bearing assembly with pressure relief for escape of excess grease; a closed-cycle photo electric servo system; adjustable resistor; electric converting system; and a protective arrangement for electric-power bus installations, generators, etc. Groups 35—00; 36—13—19—21—41—61—62—66.

Pat. 2,545,404. Electric Toaster. Patented Mar. 13, 1951. Reg. No. 44,893.

Pat. 2,547,623. Spot Detector Recorder. Patented Apr. 3, 1951. Reg. No. 44,894.

Pat. 2,547,630. Fluid-Tight Shield for Rotatable Shafts. Patented Apr. 3, 1951. Reg. No. 44,895.

Pat. 2,547,662. Feed-Back Circuit. Patented Apr. 3, 1951. Reg. No. 44,896.

Pat. 2,548,577. Fault-Suppressing Circuits. Patented Apr. 10, 1951. Reg. No. 44,897.

Pat. 2,548,579. Control Circuits for Electric Converting Systems. Patented Apr. 10, 1951. Reg. No. 44,898.

Pat. 2,548,581. Magnetic Switching Device. Patented Apr. 10, 1951. Reg. No. 44,899.

Pat. 2,548,583. Automatic Cleaner for Sparking Styluses. Patented Apr. 10, 1951. Reg. No. 44,900.

Pat. 2,548,591. Wire Wound Resistor. Patented Apr. 10, 1951. Reg. No. 44,901.

Pat. 2,548,596. Apparatus for Detection of Flaws by Means of Microwaves. Patented Apr. 10, 1951. Reg. No. 44,902.

Pat. 2,548,625. Differential Protective Arrangement. Patented Apr. 10, 1951. Reg. No. 44,903.

Pat. 2,548,631. Brush Holder Assembly. Patented Apr. 10, 1951. Reg. No. 44,904.

Pat. 2,548,644. Bearing Assembly. Patented Apr. 10, 1951. Reg. No. 44,905.

The General Electric Company is prepared to grant non-exclusive licenses to industrial concerns under the following two patents on a reasonable royalty basis to manufacture, use and sell betatrons, and is further prepared to grant free non-exclusive licenses under such patents to educational or similar institutions to construct betatrons by the use of the institutions' own facilities and to use such betatrons for non-profit purposes. Group 36—19—61—62—92.

Pat. 2,535,710. Controller for Magnetic Induction Accelerators. Patented Dec. 26, 1950. Reg. No. 44,906.

Pat. 2,540,853. Magnetic Induction Accelerator. Patented Feb. 6, 1951. Reg. No. 44,907.

The following patents are available for non-exclusive licensing in the field of radio purposes. Group 36—61.

Pat. 2,536,830. Electronic Regulator Circuit. Patented Jan. 2, 1951. Reg. No. 44,908.

Pat. 2,539,218. Temperature Compensating System for Oscillators. Patented Jan. 23, 1951. Reg. No. 44,909.

Pat. 2,539,818. Frequency Modulation Detector. Patented Jan. 30, 1951. Reg. No. 44,910.

Pat. 2,540,804. Manganese Activated Zinc Barium Silicate Phosphor. Patented Feb. 6, 1951. Reg. No. 44,911.

Pat. 2,540,813. Angle Modulation Demodulator. Patented Feb. 6, 1951. Reg. No. 44,912.

Pat. 2,540,820. Oscillator Synchronizing System. Patented Feb. 6, 1951. Reg. No. 44,913.

Pat. 2,540,825. Direct Current Amplification System. Patented Feb. 6, 1951. Reg. No. 44,914.

Pat. 2,541,806. Beam Antenna System. Patented Feb. 13, 1951. Reg. No. 44,915.

Pat. 2,541,818. Radio Receiver. Patented Feb. 13, 1951. Reg. No. 44,916.

Pat. 2,542,636. Gas Charging Apparatus With Gas Pressure Reducing Valve. Patented Feb. 20, 1951. Reg. No. 44,917.

Pat. 2,542,639. Electrode Structure for Electric Discharge Devices. Patented Feb. 20, 1951. Reg. No. 44,918.

Pat. 2,543,637. Interelectrode Coupling in High-Frequency Electric Discharge Devices. Patented Feb. 27, 1951. Reg. No. 44,919.

Pat. 2,544,320. Fabricated Article. Patented Mar. 6, 1951. Reg. No. 44,920.

Pat. 2,544,340. Volume Controlling Amplifier. Patented Mar. 6, 1951. Reg. No. 44,921.

Pat. 2,544,344. Audio Amplifier Circuit With Feed-Back. Patented Mar. 6, 1951. Reg. No. 44,922.

Pat. 2,545,349. Generator of Accurately Timed Pulses. Patented Mar. 13, 1951. Reg. No. 44,923.

Pat. 2,546,026. Flexible Antenna Mounting. Patented Mar. 20, 1951. Reg. No. 44,924.

Pat. 2,546,027. Neutralized Crystal Oscillator. Patented Mar. 20, 1951. Reg. No. 44,925.

Pat. 2,546,028. Focus Coil Arrangement. Patented Mar. 20, 1951. Reg. No. 44,926.

Pat. 2,546,039. Regulating System. Patented Mar. 20, 1951. Reg. No. 44,927.

Pat. 2,546,773. Anode Structure for Space-Resonant Discharge Devices. Patented Mar. 27, 1951. Reg. No. 44,928.

Pat. 2,547,637. High Frequency Antenna Structure. Patented Apr. 3, 1951. Reg. No. 44,929.

Pat. 2,547,659. Grid Controlled Magnetron Apparatus for Frequency Controllable Systems. Patented Apr. 3, 1951. Reg. No. 44,930.

Pat. 2,548,603. Zero Backlash Gear Drive. Patented Apr. 10, 1951. Reg. No. 44,931.

Patent Withdrawn from Register

Pat. 2,308,929. Convertible Garment. Reg. No. 35,356. Listed by Louis Mintses. The patent has been sold and is, therefore, withdrawn from the Register.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 9, 1951

[VOL. 651. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 504,441. Lektrolite Corporation, New York, N. Y. Filed June 22, 1946.

Lumigold

For Metallic Surface Coating for Metal Parts of Articles of Manufacture.

Claims use since Jan. 10, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 510,384. The Gear Grinding Machine Company, Hamtramck, Mich., assignor to Formsprag Company, Van Dyke, Mich., a corporation of Michigan. Filed Oct. 7, 1946.

FORMSPRAG

For One-Way Rotary Clutch.

Claims use since July 2, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 525,039. W. & J. Sloane, New York, N. Y. Filed June 27, 1947. Under 10-year proviso.

SLOANE

For Traditional and Modern Bedroom Furniture as Follows: Beds, Chests, Bureaus, Mirrors, Night Tables, Benches, Side Chairs, Dressing Tables, Powder Tables, Chest on Chests, Highboys, Chaise Longues, Slipper Chairs, Pouffs, Cedar Chests, Hollywood Beds, Upholstered Headboards, Shaving Stands, Commodes, Bed Steps; Traditional and Modern Dining Room Furniture as Follows: Dining Tables, Sideboards, Console Extension Tables, Drop Leaf Extension Tables, Breakfront China Cabinets, China Cabinets, Corner Cabinets, Servers, Arm Chairs, Side Chairs, Hostess Chairs, Dumbwaiters (Standing), Whatnots; Bedding as Follows: Box Springs, Mattresses, Pillows, Daybeds, Studio Couches, Sofa Beds; Traditional and Modern Upholstered Furniture as Follows: Wing Chairs, Barrel Chairs, Tub Chairs, Ottomans, Easy Chairs, Open Arm Chairs, Occasional Side Chairs, Sofas, Loveseats, Settees, Footstools, Chair and Ottoman Combinations, Hearth Benches; Traditional and Modern Living Room Wood Pieces as Follows: Hanging Shelves, Sewing Tables, Smoking Tables, Wall Brackets, Mirrors, Wall Shelves, Bar Tables, Telephone Book Racks and Stands, Card Tables, Folding Chairs, Coffee Tables, Tea Tables, Commodes, Lowboys, Magazine Racks, Decorative Standing Screens, Hanging or Standing Curio Cabinets, Bookcases, Plant Stands, Credenzas, Flat Top Desks, Slant Top Desks, Tambour Desks, Secretaries, Breakfronts, Consoles, Cocktail Tables, End Tables, Sofa Tables, Lamp Tables, Picture Frames; Children's Furniture as Follows: Cribs, Children's Coops, Chests, Wardrobes, Mattresses, Boxsprings, Dressers, Youth Beds, Bassinets, Infants' Bath Stands, Nursery Seats, Juvenile Lawn Swings, Tables, Chairs, Stools, Writing Desks, Mirrors, Picture Frames, Play Pens, Play Pen Pads, High Chairs, High Chair Pads, Decorative Standing Screens, Night Tables, Shadow Boxes, Corner Shelves, Bookcases, Wicker Basket Stands; Bathroom Furniture as Follows: Dressing Tables, Dressing Table Stools, Towel Racks, Shelves of Metal and/or Plastic or Mirror, Chests of Drawers, Bath Wall Cabinets, Easel Mirrors; Closet Furniture as Follows: Valet Stands, Blanket Chests, Shoe Racks Having Compartments and/or Shelves, Hanging Shelves, Easel Mirrors, Hat Stands, Luggage Racks; Fireplace Furniture as Follows: Mantels (Portable); Bar Furniture as Follows: Bars, Back Bars, Bar-Trays and Stands, Cellarettes, Folding Bar Trays and Stands, Serving and Cocktail Trays of Wood and Combinations of Ceramic and Wood, Beverage Stands, Lazy Susans; Miscellaneous Furniture and Upholstery as Follows: Picnic Tables, Mirrors, Cornices for Interior Window Decoration, Window Shades, Venetian Blinds, Decorative Pillows, Slipcovers.

Claims use since 1891.

Ser. No. 525,040. W. & J. Sloane, New York, N. Y. Filed June 27, 1947. Under 10-year proviso.

W & J SLOANE

For Traditional and Modern Bedroom Furniture as Follows: Beds, Chests, Bureaus, Mirrors, Night Tables, Benches, Side Chairs, Dressing Tables, Powder Tables, Chest on Chests, Highboys, Chaise Longues, Slipper Chairs, Pouffs, Cedar Chests, Hollywood Beds, Upholstered Headboards, Shaving Stands, Commodes, Bed Steps; Traditional and Modern Dining Room Furniture as Follows: Dining Tables, Sideboards, Console Extension Tables, Drop Leaf Extension Tables, Breakfront China Cabinets, China Cabinets, Corner Cabinets, Servers, Arm Chairs, Side Chairs, Hostess Chairs, Dumbwaiters (Standing), Whatnots; Bedding as Follows: Box Springs, Mattresses, Pillows, Daybeds, Studio Couches, Sofa Beds; Traditional and Modern Upholstered Furniture as Follows: Wing Chairs, Barrel Chairs, Tub Chairs, Ottomans, Easy Chairs, Open Arm Chairs, Occasional Side Chairs, Sofas, Loveseats, Settees, Footstools, Chair and Ottoman Com-

binations, Hearth Benches; Traditional and Modern Living Room Wood Pieces as Follows: Hanging Shelves, Sewing Tables, Smoking Tables, Wall Brackets, Mirrors, Wall Shelves, Bar Tables, Telephone Book Racks and Stands, Card Tables, Folding Chairs, Coffee Tables, Tea Tables, Commodes, Lowboys, Magazine Racks, Decorative Standing Screens, Hanging or Standing Curio Cabinets, Bookcases, Plant Stands, Credenzas, Flat Top Desks, Slant Top Desks, Tambour Desks, Secretaries, Breakfronts, Consoles, Cocktail Tables, End Tables, Sofa Tables, Lamp Tables, Picture Frames; Children's Furniture as Follows: Cribs, Children's Coops, Chests, Wardrobes, Mattresses, Boxsprings, Dressers, Youth Beds, Bassinets, Infants' Bath Stands, Nursery Seats, Juvenile Lawn Swings, Tables, Chairs, Stools, Writing Desks, Mirrors, Picture Frames, Play Pens, Play Pen Pads, High Chairs, High Chair Pads, Decorative Standing Screens, Night Tables, Shadow Boxes, Corner Shelves of Metal and/or Plastic or Mirror, Bookcases, Wicker Basket Stands; Bathroom Furniture as Follows: Dressing Tables, Dressing Table Stools, Towel Racks, Shelves, Chests of Drawers, Wall Cabinets, Easel Mirrors; Closet Furniture as Follows: Valet Stands, Blanket Chests, Shoe Racks Having Compartments and/or Shelves, Hanging Shelves, Easel Mirrors, Hat Stands, Luggage Racks; Fireplace Furniture as Follows: Mantels (Portable); Bar Furniture as Follows: Bars, Back Bars, Bar Trays and Stands, Cellarettes, Folding Bar Trays and Stands, Serving and Cocktail Trays of Wood and Combinations of Ceramic and Wood, Beverage Stands, Lazy Susans; Miscellaneous Furniture and Upholstery as Follows: Picnic Tables, Mirrors, Cornices for Interior Window Decoration, Window Shades, Venetian Blinds, Decorative Pillows, Slipcovers.

Claims use since 1891.

CLASS 39

CLOTHING

Ser. No. 499,933. J. M. Wood Manufacturing Company, Inc., Waco, Tex. Filed Apr. 9, 1946.



For One-Piece Work Suits, Shirts, and Pants and Sportswear—Namely, Sport Shirts, Slack Pants, and Western Type Pants and Shirts for Men, Women, and Children, and Juvenile Garments—Namely, Sport Shirts, Western Type Shirts, Dress Pants, Dungarees, Corduroy Jackets, and Pants.

Claims use since Oct. 1, 1945.

Ser. No. 523,640. Merrimac Hat Corporation, Amesbury, Mass., and New York, N. Y. Filed July 2, 1947. Under 10-year proviso as to "Merrimac."



Applicant owns Registrations Nos. 346,919, 358,760, and 421,014. The term "Amesbury" is disclaimed.

For Women's Hats and Hat Bodies.

Claims use since Jan. 1, 1947, as shown; and since 1856 as to "Merrimac."

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 516,995. National Tea Co., Chicago, Ill. Filed Feb. 3, 1947.



The words "Top Taste" are disclaimed. Applicant owns Registration No. 251,146.

For Bread.

Claims use since Dec. 16, 1946.

Ser. No. 523,359. Boston Molasses Company, Boston, Mass. Filed June 2, 1947.



Applicant owns Registration No. 278,589. The picture comprising part of the mark is that of a fictitious person.

For Molasses, Honey, and Pancake Syrup.

Claims use since Jan. 21, 1922.

Ser. No. 523,360. Boston Molasses Company, Boston, Mass. Filed June 2, 1947.



Applicant owns Registration No. 161,732. The picture comprising part of the mark is that of a fictitious person.

For Molasses, Honey, and Pancake Syrup.

Claims use since Jan. 21, 1922.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 516,610. William E. Hunger, doing business as Desert Bloom, Los Angeles, Calif. Filed Jan. 30, 1947.

Desert Bloom

For Facial Pack.

Claims use since Apr. 15, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 567,741. The Kiener Coal Company, Cleveland, Ohio. Filed Oct. 21, 1948.



The head of the man is fanciful.

For Coal.

Claims use since Sept. 20, 1948.

Ser. No. 572,119. Plax Corporation, West Hartford, Conn. Filed Jan. 13, 1949.



For Film, Rod, Tubing, Tape, and Sheet Formed of Resinous Plastic Materials Including Polystyrene, Methacrylate, Cellulose Acetate, Cellulose Acetate Butyrate, and Polyethylene.

Claims use since Nov. 26, 1935.

Ser. No. 593,623. Copeman Laboratories Company, Flint, Mich. Filed Nov. 26, 1949.

PRO-TEX

Applicant claims ownership of Registration No. 300,067.

For Cohesive Latex in Sheet Form Backed on One Side With a Carrier Such as Paper, Cheese Cloth, Metal Foil, Wood Flour, or a Similar Backing Material Which Protects the Latex From the Air and Enables It To Retain Its Cohesive Properties When Formed Into a Roll, Said Cohesive Latex Sheet Being Adapted for Wrapping Around Articles To Provide a Water-Proof Container Therefor, and for Adhering to Surfaces To Temporarily Protect the Same.

Claims use since Nov. 16, 1938.

Ser. No. 596,913. Green Textile Associates, Incorporated, Boston, Mass. Filed May 5, 1950.

BLOOMTEX

For Cotton Waste for Use as a Cleaning or Wiping Material, and Also for Use as Filling or Batting for Furniture Upholstery, Mattresses, Bedding, and Automobile Seats.

Claims use since July 1949.

Ser. No. 602,383. Ferro Enamel Corporation, Cleveland, Ohio. Filed Aug. 18, 1950.



For Clays.

Claims use since Apr. 1, 1950.

Ser. No. 602,384. Ferro Enamel Corporation, Cleveland, Ohio. Filed Aug. 18, 1950.



The trade-mark is a bird on a check. Applicant claims ownership of Registrations Nos. 419,064 and 419,066.

For Clays.

Claims use since Apr. 1, 1950.

Ser. No. 602,891. Creese and Cook Company, Danvers, Mass. Filed Aug. 29, 1950.

"SPARTAN"

For Calfskin Leather in the Piece for Use in the Manufacture of Garments for Men and Women and Handbags for Women.

Claims use since Jan. 1, 1901.

CLASS 2

RECEPTACLES

Ser. No. 536,226. Boston Envelope Company, doing business as Boston Drinking Cup Company, Dedham, Mass. Filed Sept. 30, 1947.

Bescup

Applicant claims ownership of Registration No. 304,015.

For Paper Drinking Cups.

Claims use since January 1926.

Ser. No. 586,617. Ames Harris Neville Co., San Francisco, Calif. Filed Oct. 21, 1949.



The word "Prints" is disclaimed.

For Cotton Fibre Sacks for Flour and for All Types of Animal Feed.

Claims use since Aug. 20, 1947.

Ser. No. 590,906. LeRoy G. Mills, doing business as The LeRoy G. Mills Company, New York, N. Y. Filed Jan. 14, 1950.

IDEA BANK

For Suggestion Box.
Claims use since Dec. 15, 1949.

Ser. No. 608,848. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

APTAN

Applicant claims ownership of Registration No. 409,987.
For Pressure Tank Sprinkler System Storage Tanks.
Claims use since June 15, 1940.

Ser. No. 609,149. Sonoco Products Company, Hartsville, S. C. Filed Jan. 23, 1951.

sonoco

Applicant claims ownership of Registrations Nos. 137,865 and 426,955.
For Paper Cones and Paper Tubes Adapted and Intended To Receive and Carry on Their Outer Surface a Body Composed of Windings of Yarn or Other Material, Cylindrical Paper Tubes Adapted To Receive and Carry Windings of Yarn or Other Material on the Outer Surface; Cylindrical Paper Tubes To Act as a Casing or Container, With or Without End Caps, for Articles Placed Inside of Them, Such as Mail or for Any Other Use; Paper Mailing-Cases To Contain and Inclose Articles or Materials or Packages of Said Articles or Materials, Paper Cans and Composite Paper and Tin Cans Embodying a Receptacle With a Closure Adapted To Contain and Hold Various Materials or Things or for Use as a Casing Around Other Receptacles.
Claims use since Oct. 1, 1915.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 563,899. Burlington Mills Incorporated, Burlington, Wis. Filed Aug. 24, 1948.

Bur-Tex

Applicant claims ownership of Registrations Nos. 127,341 and 375,084.
For Brief Cases and Hand Luggage All Made of Fabrics or Impregnated Fabrics.
Claims use since Nov. 11, 1919.

Ser. No. 597,410. Minnesota Wholesalers, Inc., Minneapolis, Minn. Filed May 13, 1950.

Range King

For Saddles, Saddle Bags, Bridles, Martingales, Breast Collars, and Halters.
Claims use since July 1, 1948.

Ser. No. 604,976. "Little Joe" Wiesenfeld Co., Baltimore, Md. Filed Oct. 16, 1950.

LIFETIME

For Saddlery Hardware—Namely, Bits, Stirrups, Spurs, Buckles, and Rings.
Claims use since 1929.

Ser. No. 605,092. Louis S. Elsinger, Atlanta, Ga., assignor to The Show Off Corporation, Dover, Del., a corporation of Delaware. Filed Oct. 18, 1950.

THE SHOW-OFF

For Dog Collars.
Claims use since Jan. 25, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 568,426. Theodore Churchey, doing business as Churchey Products Company, Brockton, Mass. Filed Nov. 9, 1948.

MIRALUXE

For (1) a Wax Containing Liquid Cleaner Capable of Waxing an Automobile Finish Requiring Negligible Cleaning, (2) a Wax Containing Liquid Cleaner Capable of Cleaning and Waxing an Automobile Body Finish Requiring Considerable Cleaning, and (3) a Non-Cleaning Wax-Containing Liquid for Waxing an Automobile Finish, To Be Used in Combination With Either of the First Two Named Liquid Cleaners.
Claims use since Sept. 7, 1948.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 574,409. Central Chemical Corporation, Hagerstown, Md. Filed Feb. 24, 1949.

FARMRITE MICROSUL

Applicant claims ownership of Registration No. 365,918.
For Agricultural Fungicides, Which May Also Be Used as Insecticides.
Claims use since Apr. 10, 1940.

Ser. No. 575,426. Phillips Petroleum Company, Bartlesville, Okla. Filed Mar. 14, 1949.



The drawing is lined for black and mandarin orange.
Applicant claims ownership of Registration No. 423,203.
For Livestock Spray, Liquid Radiator Stop Leak, Radiator Anti-Freeze, Insecticides, Hydraulic Brake Fluid, Household Disinfectant, Spray Concentrate, Oil Base Chemical Wood Preserver and Mite Killer, Methane, Ethane, Propane, Isobutane, Normal Butane, Isopentane, 2,2-Dimethylpropane, Normal Pentane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, 3-Methylpentane, Isohexanes, Normal Hexane, 2,4-Dimethylpentane, 2,3-Dimethylpentane, Isoheptanes, Normal Heptane, 2,2,4-Trimethylpentane, Isooctanes, 2,2,5-Trimethylhexane, Cyclopentane, Methylcyclopentane, Cyclohexane, Methylcyclohexane, Ethylene, Propylene, Isobutylene, Butene-1, Butene-2, Low Boiling Butene-2, High Boiling Butene-2, Pentene-1, Pentene-2, Hexene-1, Isoheptenes, Isooctenes, Butadiene-1,3, 2-Methylbutadiene-1,3, Dicyclopentadiene, Benzene, Toluene, Ethylbenzene, Sec-Butylbenzene, Tert-Butylbenzene, ASTM Dilution Naphtha, ASTM Precipitation Naphtha, Butadiene, Cyclohexane, Cyclopentene, Cumene, 2-Methylbutene-1, 2-Methylbutene-2, Natural Gas, Meta Xylene, Petroleum Ethers, Vinyl Cyclohexene, Butyl Mercaptans, Amyl Mercaptans, Hexyl Mercaptans, Heptyl Mercaptans, Octyl Mercaptans, Dodecyl Mercaptans, Tetradecyl Mercaptans, Hexadecyl Mercaptans, Mixed Tertiary Mercaptan, Butyl Disulfide, Amyl Disulfide, Hexyl Disulfide, Octyl Disulfide, Dodecyl Disulfide, Polysulfide, and Butyl Trithicarbonate.
Claims use since June 3, 1931.

Ser. No. 582,683. The Haloid Company, Rochester, N. Y. Filed July 29, 1949.



Color is not claimed.
For Developers Consisting of a Mixture of Electroscopic Powder and Granular Material Used for Producing Powder Images in Making Electrophotographic Copies, and Toners Comprising Electroscopic Powder Used in Connection With Granular Material to Produce Developer Powders Used for Making Electrophotographic Copies.
Claims use since June 22, 1949.

Ser. No. 588,765. McDonald Industries, Inc., Boston, Mass. Filed Dec. 3, 1949.

AIR-X

The word "Air" is disclaimed.
For Heat Treated Mineral Dehumidifying Materials in Fabric Bags, for Use in Institutional Refrigerating Units.
Claims use since July 1, 1949.

Ser. No. 590,117. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Dec. 29, 1949.

INSULFOAM

For Liquid Phenolic Resin Used as the Basic Ingredient in Producing a Light Cellular Plastic Foam Material.
Claims use since Nov. 17, 1949.

Ser. No. 594,813. The Stepan Chemical Company, Chicago, Ill. Filed Mar. 28, 1950.

STEPANOL

Applicant claims ownership of Registration No. 394,691.
For Lauryl Sulfate.
Claims use since Nov. 9, 1949.

Ser. No. 595,320. B. Heller & Company, Chicago, Ill. Filed Apr. 6, 1950. (Classified in Class 52.)



The word "Carbon" is disclaimed.
For Cleaner and Lubricant for Flatwork Ironers and Presses.
Claims use since Aug. 25, 1949.

Ser. No. 595,816. American Drug & Chemical Co., Minneapolis, Minn. Filed Apr. 17, 1950.

ALDEFORM

For White Disinfectant and Preservative Gaseous Disk Put Up in Jars.
Claims use since June 30, 1940.

Ser. No. 596,964. Wargöns Aktiebolag, Vargon, Sweden. Filed May 5, 1950.

WANIN

Applicant claims ownership of Swedish Registration No. 57,131, dated May 8, 1943.
For Tanning Substances.

Ser. No. 596,965. Wargons Aktiebolag, Vargon, Sweden. Filed May 5, 1950.

WAFEX

Applicant claims ownership of Swedish Registration No. 65,520, dated Dec. 10, 1948.
For Chemical for Industrial Use Which Is Obtained by the Evaporation To Solid Condition of Waste Sulphite Liquor.

Ser. No. 597,418. Tru-Pine Company, Chicago, Ill. Filed May 13, 1950.

Sprayway

For Room Deodorisers and Air Sanitizers, Moth Proofing Preparations, Insect Sprays.
Claims use since July 1949.

Ser. No. 606,744. American Aniline Products, Inc., New York, N. Y. Filed Nov. 22, 1950.

DEPUMA

For Defoaming Agents Used in Dyeing Processes.
Claims use since Mar. 7, 1950.

Ser. No. 608,238. Cetylite Industries, Inc., New York and Long Island City, N. Y. Filed Dec. 30, 1950. (Classified in Class 18.)

CETYLAMINE (QUAMONIUM)

For Antiseptic and Disinfecting Agent for Surface Antisepsis.
Claims use since Nov. 28, 1950.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 584,979. The Elmore Silver Co., Inc., Meriden, Conn., assignor to The Buckingham Silver Co., a corporation of Connecticut. Filed Sept. 17, 1949.

GOLDENRAY

For Combination Coaster and Ash Tray Formed of Glass and Non-Precious Metal.
Claims use since Aug. 30, 1948.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 597,362. Tang Kuen Hung, carrying on business under the name of Wang Yick Fireworks Company, Victoria, Colony of Hong Kong. Filed May 12, 1950.



All the wording with the exception of the word "Camel" is disclaimed.
For Fireworks.
Claims use since July 1947.

Ser. No. 608,740. Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Filed Jan. 13, 1951.



Applicant claims ownership of Finnish Registration No. 19,511, dated Dec. 21, 1943.
For Matches.

CLASS 10

FERTILIZERS

Ser. No. 610,453. Northrup, King & Co., Minneapolis, Minn. Filed Feb. 23, 1951.



For Lawn Fertilizer Containing Organic and Inorganic Nitrogen.
Claims use since Feb. 1, 1951.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 595,343. Underwood Corporation, New York, N. Y. Filed Apr. 6, 1950.

Thorobred

Applicant claims ownership of Registration No. 436,417.
For Carbon Paper and Ink Ribbons.
Claims use since Oct. 31, 1948, as shown.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 508,072. Servicised Products Corporation, Chicago, Ill. Original filed, act of 1905, Aug. 26, 1946; amended to application under act of 1946, Principal Register, Sept. 23, 1949. CONCURRENT USE with Registration No. 422,749. (For limitations see particular description of goods.)

Para-Plastic

The word "Plastic" is disclaimed.
For Thermoplastic Rubberized Bituminous Composition in Bulk, Sheet and Strip Form, for Use as a Seal for Joints in Concrete Construction, Particularly Roadways, Airport Runways, and the Like, Sold to Persons Engaged in the Construction of Streets, Roads, Airport Runways, and the Like.
Claims use since Mar. 5, 1941.

Ser. No. 556,409. The Philip Carey Manufacturing Company, Cincinnati, Ohio. Filed May 7, 1948. (Sec. 2f.)

CAREYCELL

Applicant claims ownership of Registrations Nos. 105,340 and 134,525.
For Asbestos Insulation Material in Sheet Form for Building Purposes.
Claims use since July 1, 1935.

Ser. No. 577,812. S. A. Pour la Fabrication de Materiaux de Construction "Fademac," Brussels, Belgium. Filed Apr. 27, 1949.

Fademac-Floorbest

The expression "Floorbest" is disclaimed. Applicant claims ownership of Belgian Registration No. 2,414, dated Dec. 10, 1948.
For Paving and Lining Slabs and Blocks, Consisting of a Mixture of Asbestos Fibers and Resins or Asphalt or Other Plastic Materials.

Ser. No. 583,320. The Tremco Manufacturing Company, Cleveland, Ohio. Filed July 19, 1949. (Sec. 2f.)

STRIP-SEAL

Applicant claims ownership of Registration No. 416,152.
For Mastic Material of Tape-Like Form for Weatherstripping and Water Sealing Purposes.
Claims use since Jan. 18, 1944.

Ser. No. 584,791. Chase Blum, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Reading, Ohio. Filed Sept. 14, 1949.

SMOKEE

For Weatherstrip-Like Material, Rubber-Like in Character, Used as a Sealer for Doors and Windows.
Claims use since June 2, 1949.

Ser. No. 591,847. Globe Roofing Products Co., Inc., Whiting, Ind. Filed Feb. 2, 1950.

VERTIGRAIN

For Surfacing Materials—Namely, Mineral Surfaced Asphalt Roll Roofings, Mineral Surfaced Asphalt Shingles, Insulating Siding Shingles, Asbestos Cement Roofing and Sidings, and Insulating Roofing Materials.
Claims use since Jan. 10, 1949.

Ser. No. 610,400. Arnold Products, Inc., Opalocka, Fla. Filed Feb. 23, 1951.

JAL-WIN

For Louver Type Windows and Jalousies.
Claims use since Feb. 12, 1950.

Ser. No. 610,666. Arterest Products Co. Inc., Chicago, Ill. Filed Mar. 1, 1951.



For Plastic Tile.
Claims use since Feb. 19, 1951.

CLASS 16

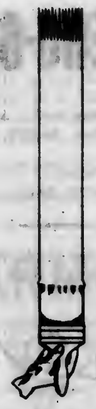
PAINTS AND PAINTERS' MATERIALS

Ser. No. 534,741. Central Petroleum Company, Cleveland, Ohio. Filed Sept. 17, 1947.



The word "Roof" is disclaimed.
For Exterior Aluminum Paint.
Claims use since Apr. 1, 1947, as to the composite mark; and first used as to "Columbia" in 1911.

Ser. No. 540,296. Mautz Paint & Varnish Company, Madison, Wis. Filed Nov. 6, 1947. (Sec. 2f.)



Applicant claims ownership of Registration No. 288,413.
For Ready Mixed Paints for Interior and Exterior Use on Wood, Metal, Roofs, Walls, Floors, and Decks; Ready Mixed Paint Primers and Sealers for Interior and Exterior Use on Wood, Metal, and Walls; Spar and Floor Varnish for Interior and Exterior Use on Wood and Linoleum; Paint Enamel for Interior and Exterior Use on Wood, Metal, and Walls; Penetrating Stain for Use on Wood; Paint and Varnish Thinners—Namely, Linseed Oil, Flattening Oil, and Turpentine; Lacquer; Lacquer Thinner; Liquid Paint and Varnish Remover; Bronze and Aluminum Powders for Use in Paints; Bronzing Liquid; Aluminum Paint for Exterior and Interior Use; Prepared Shellac; Shellac Thinner—Namely, Alcohol; and Japan Dryer.
Claims use since 1928.

Ser. No. 561,783. Standard Varnish Works, Staten Island, N. Y. Filed July 20, 1948.

ROCKLOID

For Paint Enamels.
Claims use since 1931.

Ser. No. 570,792. The Patterson-Sargent Company, Cleveland, Ohio. Filed Dec. 18, 1948.

GALCO

For Ready-Mixed Paints.
Claims use since Oct. 29, 1947.

Ser. No. 579,290. Pecora Paint Co., Philadelphia, Pa. Filed May 21, 1949.

PECORA

For Interior and Exterior House Paints, Varnishes, and Air-Drying Enamels.
Claims use since Jan. 1, 1875.

Ser. No. 588,899. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 6, 1949.

SERO-GLO

The term "Glo" is disclaimed. Applicant claims ownership of Registrations Nos. 85,921, 118,097, 349,989, and 351,328.
For House Interior Paint.
Claims use since June 28, 1949.

Ser. No. 590,716. Supplee-Biddle-Steltz Company, Philadelphia, Pa. Filed Jan. 11, 1950.

Dainty Maid

For Ready Mixed Paints, Lacquers, Enamels, Shellac, Varnish Stains, Varnishes, Paint Thinners, Crack Fillers, Paint Undercoats, Pigments in Oil for Coloring Ready Mixed Paints, Turpentine, Paint Solvents, Paint Brush Cleaners, Protective Floor Coats in the Nature of Paint, Furniture and Floor Protective Waxes and Liquid Compounds Containing Coloring Material for Filling in Scratches.
Claims use since October 1936.

Ser. No. 594,576. F. O. Pierce Company, Long Island City, N. Y. Filed Mar. 24, 1950.

PIERCOTE

Applicant claims ownership of Registrations Nos. 86,731, 190,770, and 301,845.
For Enamel for Interior Walls, Ceiling and Woodwork, and Flat Paints.
Claims use since Dec. 31, 1936.

Ser. No. 602,125. Chester Whitfield Smith, Detroit, Mich. Filed Aug. 12, 1950.

CHLOR-O-STRIP

The word "Strip" is disclaimed.
For Solvent Cleaning Agent for Removing Organic Paint Films.
Claims use since June 24, 1949.

Ser. No. 602,760. Colis R. Grems, doing business under the assumed business name of Grems Mfg. Co., Klamath Falls, Oreg. Filed Aug. 25, 1950.

PERMALUME

For Roof Paint of Polystyrene Resins and Powdered Copper and Aluminum.
Claims use since Oct. 15, 1946.

Ser. No. 606,897. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed Nov. 24, 1950.

WALLHIDE
RUBBERIZED
SATIN FINISH

The words "Rubberized" and "Satin Finish" are disclaimed. Applicant claims ownership of Registrations Nos. 293,199 and 272,764.
For Paint Products—Namely, Liquid and Paste Paints, Primers and Sealers, and Paint Enamels.
Claims use since Sept. 27, 1950.

Ser. No. 609,480. Ellicott Paint Co., Inc., Buffalo, N. Y. Filed Feb. 1, 1951.

EPC

For Turpentine, Linseed Oil, Linseed Replacement Oil, Paints for Interior and Exterior Use, Paint Reducers, Enamels, Lacquers, Lacquer Thinner, Shellac, Varnish, and Wood Bleach.
Claims use since September 1925.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 586,371. Union Trading Company Ltd., Basel, Switzerland. Filed Oct. 15, 1949.

UTC

Applicant claims ownership of Swiss Registration No. 125,494, dated May 13, 1948.
For Leaf Tobacco.
Claims use since Feb. 18, 1922.

Ser. No. 586,378. Union Trading Company Ltd.., Basel, Switzerland. Filed Oct. 15, 1949.

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Applicant claims ownership of Swiss Registration No. 126,524, dated May 13, 1948.
For Leaf Tobacco.
Claims use since Oct. 25, 1939.

Ser. No. 608,464. Philip Morris & Co. Ltd., Incorporated, New York, N. Y. Filed Jan. 6, 1951. (Sec. 2f.)

PLAYER'S

For Cigarettes.
Claims use since Feb. 14, 1945.

Ser. No. 609,342. La Primadora Cigar Corporation, New York, N. Y. Filed Jan. 27, 1951.

Criterion

For Cigars.
Claims use since Sept. 14, 1950.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 513,189. H. L. Moyer Company, Inc., Bloomsburg, Pa. Original filed, act of 1905, Nov. 25, 1946; amended to application under act of 1946, Principal Register, Sept. 11, 1947. (Sec. 2f as to "Weber's.")

WEBER'S ALWAYS HITS THE SPOT

The words "Always Hits the Spot" are disclaimed. Applicant claims ownership of Registration No. 185,960.
For Expectorant for Coughs Due to Colds in Horses, Cows, Mules, Dogs and Other Domestic Animals.
Claims use since Jan. 1, 1904.

Ser. No. 527,114. George Martin Broemmel, doing business as Broemmel Pharmaceuticals, San Francisco, Calif. Filed July 5, 1947. (Sec. 2f.)

"Broemmel"

Applicant claims ownership of Registration No. 436,111.
For Intramuscular Injection for Treatment and Prevention of Poison-Oak and Poison-Ivy Poisoning.
Claims use since August 1876.

Ser. No. 568,778. Virgil Watson Bird, doing business as Stimulene Mfg. Co., Gallatin, Tenn. Filed Nov. 15, 1948.

Stimulene

For Chemical Preparation for the Treatment of Muscular Aches in the Human Body.
Claims use since Sept. 15, 1947.

Ser. No. 573,063. The Upjohn Company, Kalamazoo, Mich. Filed Jan. 29, 1949.

Pasacylid

For Medicinal Preparation Consisting of Para-Aminosalicylic Acid Primarily for the Treatment of Tuberculosis.
Claims use since Nov. 16, 1948.

Ser. No. 583,173. Senmer Company, Youngstown, Ohio. Filed Aug. 8, 1949.

Anaid

For Aluminum Hydroxide Preparation for the Treatment of Pruritus Ani.
Claims use since Oct. 1, 1948.

Ser. No. 584,294. Melville Sahyun, doing business as Sahyun Laboratory, Santa Barbara, Calif. Filed Aug. 31, 1949.

DIAPHINE

For Surface Anesthetic Agent Possessing Bactericidal and Fungicidal Properties in a Vanishing Cream Base, Particularly Effective in Burns and Insect Bites.
Claims use since May 3, 1949.

Ser. No. 584,379. Armour and Company, Chicago, Ill. Filed Sept. 2, 1949.

ACTARMOUR

Applicant claims ownership of Registration No. 321,655.
For Adrenocorticotrophic Hormone.
Claims use since June 24, 1949.

Ser. No. 593,774. Alva Baber, doing business as Baber's Supply Company, Sioux City, Iowa. Filed Mar. 11, 1950.

VIS-VITA

The word "Vita" is disclaimed.
For Vitamin Concentrates for Fortifying Livestock Feeds.
Claims use since Dec. 27, 1946.

Ser. No. 594,274. E. S. Miller Laboratories, Inc., Los Angeles, Calif. Filed Mar. 20, 1950.

DŌ-DECABEE

For Vitamin B_{12}.
Claims use since Dec. 22, 1949.

Ser. No. 602,026. The Dow Chemical Company, Midland, Mich. Filed Aug. 10, 1950.

PARABIS

For Diphenol-Containing Preparation for Controlling Internal Parasites in Poultry and Livestock.
Claims use since May 31, 1949.

Ser. No. 604,103. The Ottawa Chemical Company, Toledo, Ohio. Filed Sept. 27, 1950.

OTTASEPT

For Chemical Compositions Having Antiseptic, Germicidal, and Fungicidal Properties Such as Para Chloro Meta Xylenol.
Claims use since June 12, 1950.

Ser. No. 607,767. The Smith-Dorsey Company, Lincoln, Nebr. Filed Dec. 16, 1950.

DORSAPHYLLIN

For Cardiovascular Preparation.
Claims use since January 1947.

Ser. No. 607,899. L R M Medicine Company, Augusta, Ga. Filed Dec. 20, 1950.

LRM

For Medicinal Preparation Intended for the Temporary Relief of Muscle Pains Due to Arthritis or Myolgia.
Claims use since June 5, 1950.

Ser. No. 607,906. R. J. Strasenburgh Company, Rochester, N. Y. Filed Dec. 20, 1950.

SEDACO

For Medicinal Preparation for the Treatment of Coughs, in Both Liquid Form and Tablet Form.
Claims use since 1924.

Ser. No. 608,216. Organon Inc., Orange, N. J. Filed Dec. 29, 1950.

SUSTANON

For Preparation Used in the Manufacture of Hormonal Parenterals in Order To Sustain or Prolong Therapeutic Effects.
Claims use since Dec. 20, 1950.

Ser. No. 608,230. W. & D. Distributors, Chicago, Ill. Filed Dec. 29, 1950.

F. O. B.

For Antiseptic, Non-Toxic Solution for Burns Caused by Fire.
Claims use since Sept. 12, 1950.

Ser. No. 608,238. Cetylite Industries, Inc., New York and Long Island City, N. Y. Filed Dec. 30, 1950.

CETYLAMINE (QUAMONIUM)

For Antiseptic and Disinfecting Agent for Surface Antisepsis.
Claims use since Nov. 28, 1950.

Ser. No. 608,317. S. B. Leonardi & Co. Inc., New Rochelle, N. Y. Filed Jan. 3, 1951.

MAXODYNE

For Liquid Preparation for the Treatment of Burns.
Claims use since Nov. 8, 1950.

Ser. No. 608,376. Peoples' Laboratory Service, Inc., Miami, Fla. Filed Jan. 4, 1951.

SENCHELS

For Vitamin Capsules.
Claims use since Sept. 15, 1950.

CLASS 19

VEHICLES

Ser. No. 542,774. Lockheed Aircraft Corporation, Burbank, Calif. Filed Nov. 29, 1947.

Speedpak

For Detachable External Cargo Containers for Attachment to Airplanes.
Claims use since Nov. 11, 1945.

Ser. No. 550,992. Bunny Bear, Inc., Everett, Mass. Filed Mar. 2, 1948.

Bunny Bear
"CAR BABY"

The words "Car" and "Baby" are disclaimed. Applicant claims ownership of Registrations Nos. 298,522 and 433,282.
For Infants' Portable Chairs, Seats, and Beds for Use in Automobiles.
Claims use since Jan. 1, 1948.

Ser. No. 597,374. The American Fiberlast Company, Augusta, Maine. Filed May 13, 1950.

Fiberlast

For Light Weight Row Boats, Canoes and Out-Board Motor Boats.
Claims use since Feb. 1, 1950.

Ser. No. 610,024. The Pure Oil Company, Chicago, Ill. Filed Feb. 13, 1951.

Pure-sure

For Rear View Mirrors for Automotive Vehicles.
Claims use since Apr. 8, 1949.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 554,193. All-Steel Equipment Inc., Aurora, Ill. Filed Apr. 9, 1948. (Sec. 2f.)

ALL-STEEL

For Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull, and Receptacles; and Conduit for Electrical Systems.
Claims use since 1925.

Ser. No. 554,196. All-Steel Equipment Inc., Aurora, Ill. Filed Apr. 9, 1948. (Sec. 2f.)

RACO·ALL-STEEL

Applicant claims ownership of Registration No. 206,988.
For Electrical Boxes—Namely, Switch, Outlet, Ceiling, Cable, Conduit, Utility, Junction, Cutout, Pull, and Receptacle Boxes; Concrete Rings; Covers and Plates for Electrical Boxes; Bar Hangers for Electrical Boxes, and Clamps for Electric Cable and Conduit.
Claims use since September 1936.

Ser. No. 562,857. Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio, and St. Louis, Mo. Filed Aug. 5, 1948.



For Commercial Electrically Heated, Electrically Operated Apparatus—Namely, Popcorn Machines, Grills, Deep Fat Fryers, Food Warmers, Combination Steamer and Griddle, Combination Broiler and Grill, Broilers, Combination Steamer and Warmer, Combination Toaster and Grill, and Peanut Roasters.
Claims use since February 1926 on popcorn machines; since 1931 on grills; since 1933 on deep fat fryers, food warmers, combination steamer and griddle, combination broiler and grill, broilers, combination steamer and warmer, and combination toaster and grill; and since 1939 on peanut roasters.

Ser. No. 576,787. Alsop Engineering Corporation, Milldale, Conn. Filed Apr. 8, 1949. (Sec. 2f.)

Hy-Speed

Applicant claims ownership of Registration No. 278,683.
For Electric Motors, Portable and Fixed Electrically Driven Industrial Mixers of the Propeller Blade Type, and Electrically Driven Agitators for Moving Liquids and Semi-Liquids and for Use in Mixing, Bottle Filling and Filtering, and Parts of Such Apparatus.
Claims use since 1923.

Ser. No. 586,104. Officine Elettromeccaniche Puglioli & Co., Ferrara, Italy. Filed Oct. 11, 1949.

RADIUS

Applicant claims ownership of Italian Registration No. 38,232, dated Mar. 27, 1928, and renewed under No. 68,104, dated May 7, 1943.
For Dynamos, Current Generators, Electric Bicycle and Motorcycle Head and Rear Lamps, Lamp Covers, and Lamp Shields.

Ser. No. 598,415. Robert M. Fairbanks, Bradenton, Fla. Filed June 1, 1950.

Roto FLAME



No claim is made to the word "Flame."
For Portable Electric Broilers for Cooking Purposes.
Claims use since July 1, 1949.

Ser. No. 601,538. Defiance Manufacturing Company, Inc., Los Angeles, Calif. Filed Aug. 1, 1950.

TELEON

For Luminous Fluorescent Signs and Displays and Parts Thereof.
Claims use since July 3, 1950.

Ser. No. 602,661. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Aug. 24, 1950.

Addressograph

Applicant claims ownership of Registrations Nos. 54,697, 147,447, and others.
For Electrically Operated Printing Machines—Namely, Electrically Operated Printing Machines for Printing Addresses, Accounting Data, and Other Matter.
Claims use since 1900.

Ser. No. 602,662. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Aug. 24, 1950.

Multigraph

Applicant claims ownership of Registrations Nos. 57,904 and 146,163.
For Electrically Operated Printing Machines—Namely, Electrically Operated Duplicating Machines.
Claims use since 1902.

Ser. No. 602,663. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Aug. 24, 1950.

Multilith

Applicant claims ownership of Registrations Nos. 305,209, 306,791, 307,408, and 321,757.
For Electrically Operated Printing Machines—Namely, Electrically Operated Duplicating Machines.
Claims use since May 23, 1933.

Ser. No. 602,664. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Aug. 24, 1950.

Graphotype

Applicant claims ownership of Registrations Nos. 37,119 and 230,603.
For Electrically Operated Machines for Embossing Printing Characters on Printing Plates.
Claims use since 1900.

Ser. No. 602,665. Addressograph-Multigraph Corporation, Cleveland, Ohio. Filed Aug. 24, 1950.

Applicant claims ownership of Registrations Nos. 343,109, 343,912, and 350,362.

For Electrically Operated Printing Machines—Namely, Electrically Operated Printing Machines for Printing Addresses, Accounting Data and Other Matter, Electrically Operated Duplicating Machines, and Electrically Operated Machines for Embossing Printing Characters on Printing Plates.

Claims use since August 1934.

Ser. No. 603,406. Leo A. Hoek, Los Angeles, Calif. Filed Sept. 11, 1950.

THE CARVER'S FRIEND

The word "Carver's" is disclaimed.

For Electrically Driven Sharpener for Grinding Various Types of Cutlery.

Claims use since May 2, 1950.

Ser. No. 607,215. Carboloy Company, Inc., Detroit, Mich., now by merger General Electric Company, a corporation of New York. Filed Dec. 2, 1950.

CARBOLOY

Applicant claims ownership of Registration No. 255,108.

For Permanent Magnets and Magnetic Alloys and Compositions.

Claims use since Nov. 17, 1950.

Ser. No. 607,580. Compagnie Generale D'Electricite, Paris, France. Filed Dec. 12, 1950.

The word "Paris" is disclaimed. Applicant claims ownership of French Registration No. 449,110, dated Apr. 12, 1949.

For Electric Generators and Motors, Electric Batteries and Accumulators, Electric Transformers, Electric Switches and Circuit Breakers, Insulated Electric Cables, Electrical Insulators, Electrical Insulating Bodies, Electric Condensers, Lightning Arresters, Telephone Receiving Instruments, Central Office Telephone Exchanges, Private Telephone Exchanges, Telephone Switching Apparatus, Telephone Current Transmitting Instruments and Apparatus, Telegraph Transmitting Instruments, Telegraph Receiving Instruments, Telegraph Central Switching Apparatus, Telegraph Repeaters, Radio Broadcast Transmitters and Studio Radio Transmitting Apparatus, Radio Re-Broadcasting Apparatus, Radio Amplifiers and Modulators Used in Radio Transmitters and Receivers.

Ser. No. 608,304. Ettinger Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1951.

LOOMCRAFT

For Electric Sleeping Pads.

Claims use since Aug. 1, 1950.

Ser. No. 608,566. Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Filed Jan. 9, 1951. (Sec. 2f.)

PLYMOUTH

Applicant claims ownership of Registrations Nos. 385,432, 391,019, 428,936, and 540,070.

For Electrical Apparatus—Namely, Vacuum Cleaners.

Claims use since July 23, 1936.

Ser. No. 610,537. The Associated Merchandising Corporation, New York, N. Y. Filed Feb. 27, 1951.

Vanity House

For Electric Lamp Shades.

Claims use since Aug. 15, 1950.

Ser. No. 610,860. Moe Light, Inc., Fort Atkinson, Wis. Filed Mar. 5, 1951.

MOE dapter

The word "Moe" is disclaimed. Applicant claims ownership of Registration No. 517,557.

For Electric Lighting Fixtures.

Claims use since Jan. 2, 1951.

Ser. No. 611,686. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Filed Mar. 23, 1951.

PUP

For Electrical Condensers.

Claims use since Feb. 2, 1951.

Ser. No. 611,687. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Filed Mar. 23, 1951.

METAPUP

For Electrical Condensers.

Claims use since Feb. 2, 1951.

Ser. No. 612,576. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Apr. 13, 1951.

AMERDUCTOR

For Electrical Transmission Lines.

Claims use since Jan. 21, 1938.

Ser. No. 612,585. Burndy Engineering Company, Inc., New York, N. Y. Filed Apr. 13, 1951.

INSULUG

For Electrical Connectors.

Claims use since Oct. 1, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 553,896. Orianna Metal Products, Inc., Philadelphia, Pa. Filed Apr. 5, 1948.

The word "Pup" and the representation of the dog are disclaimed.

For Toy Dog.

Claims use since Feb. 12, 1948.

Ser. No. 579,887. Phyllis Peters, Miami, Fla. Filed June 2, 1949.

PEE-TEE Little Characters

The words "Little Characters" are disclaimed.

For Decorative Dolls.

Claims use since Oct. 1, 1948.

Ser. No. 594,788. Imperial Chemical Industries Limited, London, England. Filed Mar. 28, 1950.

Applicant claims ownership of British Registration No. 507,749, dated Nov. 12, 1929.

For Fishing Lines and Leaders, Strings for Tennis Racquets, Badminton Racquets, Squash Racquets, Propulsive Elements in the Nature of Motors for Toy Aeroplanes, Motor Cars, and Speed Boats.

Ser. No. 597,338. Jokari Corporation, New York, N. Y. Filed May 12, 1950.

JOKARI

The representation of the goods is disclaimed. The human figures are fanciful.

For Outdoor Games Played With Tethered Ball and Club.

Claims use since 1938.

Ser. No. 599,029. Stelber Cycle Corp., Brooklyn, N. Y. Filed June 13, 1950.

STELBER

Applicant claims ownership of Registration No. 532,790.

For Children's Tricycles, Children's Bicycles Having a Wheel Diameter of Less Than 14 Inches, Small Diameter Wheeled Sidewalk Bicycles, and Velocipedes.

Claims use since Jan. 25, 1947.

Ser. No. 612,946. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed Apr. 21, 1951.

SUPER SPEED

Applicant claims ownership of Registration No. 269,965.

For Billiard Table Cushions.

Claims use since Nov. 27, 1925.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 534,878. Cooper Manufacturing Company, Marshalltown, Iowa. Filed Sept. 18, 1947. (Sec. 2f.)

Rocket Klipper

The word "Klipper" is disclaimed.

For Lawn Mowers.

Claims use since November 1941.

Ser. No. 545,870. Millers Falls Company, Greenfield, Mass. Filed Dec. 31, 1947. (Sec. 2f.)

DOUBLE-LIFE

For Saw Blades.

Claims use since January 1940.

Ser. No. 579,453. The Puryear Sales Co., Clarinda, Iowa. Filed May 24, 1949.

NATIONAL

Applicant claims ownership of Registration No. 414,749.

For Cake Decorator Sets—Namely, Star Tips for Edging Cakes, Writing Tips, Leaf Tips, Forget-Me-Not Tips, and Petal Tips Together With Parchment Paper Bags.

Claims use since Aug. 26, 1946.

Ser. No. 589,084. Goulds Pumps, Inc., Seneca Falls, N. Y. Filed Dec. 9, 1949. (Sec. 2f.)

Close-Cupld

Applicant claims ownership of Registration No. 359,642.

For Centrifugal Pumps.

Claims use since Feb. 1, 1937.

Ser. No. 590,199. Vend-Rite Manufacturing Company, Chicago, Ill., assignor to Richard J. Tennes, Chicago, Ill. Filed Dec. 30, 1949.

Vend-Rite

The word "Vend" is disclaimed.
For Vending Machines.
Claims use since Mar. 25, 1949.

Ser. No. 590,538. John Wood Company, New York, N. Y., and Muskegon Heights, Mich. Filed Jan. 7, 1950.

ISLANDER

For Automatic Hose Winding Machines and Housings Therefor for Dispensing Air and Water at Automobile Service Stations; and Automatic Hose Winding Machines and Housings Therefor, Equipped With a Utility Service Desk, Sold as a Unit, for Dispensing Air and Water at Automobile Service Stations.
Claims use since Nov. 25, 1949.

Ser. No. 590,539. John Wood Company, New York, N. Y., and Muskegon Heights, Mich. Filed Jan. 7, 1950.

SPIRA-COIL

The word "Coil" is disclaimed.
For Automatic Hose Winding Machines and Housings Therefor for Dispensing Air and Water at Automobile Service Stations; and Automatic Hose Winding Machines and Housings Therefor, Equipped With a Utility Service Desk, Sold as a Unit, for Dispensing Air and Water at Automobile Service Stations.
Claims use since Nov. 25, 1949.

Ser. No. 590,541. John Wood Company, New York, N. Y., and Muskegon Heights, Mich. Filed Jan. 7, 1950.

ECO ISLANDER

Applicant claims ownership of Registrations Nos. 242,758, 242,759, and others.
For Automatic Hose Winding Machines and Housings Therefor for Dispensing Air and Water at Automobile Service Stations; and Automatic Hose Winding Machines and Housings Therefor, Equipped With a Utility Service Desk, Sold as a Unit, for Dispensing Air and Water at Automobile Service Stations.
Claims use since Nov. 25, 1949.

Ser. No. 591,141. "Bernard-Moteurs" S. A., Paris, France. Filed Jan. 20, 1950.

Bernard

The mark consists of the written signature "Bernard," which is the surname of Jacques Bernard, managing director of the applicant. Applicant claims ownership of French Registration No. 4,815, dated Nov. 12, 1947.
For Agricultural Machines and Implements—Namely, Cream Separators and Parts Thereof, and Internal Combustion Engines of All Kinds and for All Uses, and Parts Thereof.

Ser. No. 591,142. "Bernard-Moteurs" S. A., Paris, France. Filed Jan. 20, 1950.

C. L. CONORD

The mark consists of C. L. Conord over which is superimposed the signature "Bernard." The name "C. L. Conord" is disclaimed. The written signature "Bernard" is the surname of Jacques Bernard, managing director of applicant. Applicant claims ownership of French Registration No. 396,438, dated Aug. 31, 1949.
For Motors—Namely, Internal Combustion Engines and Parts Thereof of All Kinds and for All Uses.

Ser. No. 593,254. American Swiss File & Tool Co., Elizabeth, N. J. Filed Mar. 2, 1950.

ASCO

For Files.
Claims use since Oct. 3, 1949.

Ser. No. 597,251. Club Razor & Blade Manufacturing Corp., Newark, N. J. Filed May 11, 1950.

B·C

For Razor Blades.
Claims use since Oct. 4, 1940.

Ser. No. 599,082. Carey-McFall Company, Philadelphia, Pa. Filed June 14, 1950.

RAILMASTER

For Machine for the Production of Venetian Blind Steel Head Channels, Steel Bottom Rails, Steel Tilt Rods.
Claims use since Feb. 1, 1950.

Ser. No. 602,416. National Engineering Company, Chicago, Ill. Filed Aug. 18, 1950.



For Milling Machines.
Claims use since May 2, 1950.

Ser. No. 604,790. Monark Silver King, Inc., Chicago, Ill. Filed Oct. 12, 1950.

MAJESTIC

For Lawnmowers.
Claims use since Oct. 6, 1950.

Ser. No. 605,140. H. Boker & Company, Inc., New York, N. Y. Filed Oct. 19, 1950.



Applicant claims ownership of Registrations Nos. 50,868 and 442,857.
For Pocket Knives.
Claims use since Jan. 1, 1867.

Ser. No. 605,141. H. Boker & Company, Inc., New York, N. Y. Filed Oct. 19, 1950.



Applicant claims ownership of Registrations Nos. 64,378 and 442,857.
For Razors.
Claims use since Jan. 1, 1867.

Ser. No. 607,646. Starline, Inc., Harvard, Ill. Filed Dec. 13, 1950.



Applicant claims ownership of Registrations Nos. 200,639 and 325,725.
For Bull Staffs, Sling Carriers, and Pulleys.
Claims use since 1883.

Ser. No. 608,479. The Stanley Works, New Britain, Conn. Filed Jan. 6, 1951.



The representation of the goods is disclaimed. The mark consists of a red colored disc applied to the flat heel surface on the cutting lip of auger bits.
For Auger Bits.
Claims use since Aug. 14, 1950.

Ser. No. 608,480. The Stanley Works, New Britain, Conn. Filed Jan. 6, 1951.



The representation of the goods is disclaimed. The mark consists of a narrow spiral or stripe of red color applied in the hollow of the twist portion of auger bits.
For Auger Bits.
Claims use since Aug. 14, 1950.

Ser. No. 608,652. A. B. Dick Company, Niles, Ill. Filed Jan. 11, 1951.

MIMEOLITH

For Planographic Printing Machines and Parts Thereof.
Claims use since Jan. 2, 1951.

Ser. No. 610,391. Tubing Appliance Company Inc., Los Angeles, Calif. Filed Feb. 21, 1951.

TAC

For Wrenches.
Claims use since June 11, 1947.

Ser. No. 610,451. The Monarch Machine Tool Company, Sidney, Ohio. Filed Feb. 23, 1951.

SHAPEMASTER

Applicant claims ownership of Registration No. 444,310.
For Turning Machine Having Associated Elements To Make the Cutting Tool Pursue a Path in Related Timing With the Rotation of the Spindle To Cut a Workpiece With a Cross-Section Other Than Round.
Claims use since Nov. 19, 1945.

CLASS 25

LOCKS AND SAFES

Ser. No. 543,554. Stant Manufacturing Company, Connersville, Ind. Filed Dec. 26, 1947. (Sec. 2f.)

DUAL·LOC

The monosyllable "Loc" is disclaimed. Applicant claims ownership of Registration No. 306,848.
For Locking Closure Caps for Automobile Gasoline Tanks.
Claims use since Apr. 21, 1932.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 539,271. The Arthur-Lloyd Corp., New York, N. Y. Filed June 16, 1948.

SAF-T-VUE

The term "Vue" is disclaimed.
For Door Interviewers, Specifically Peepholes Fitted With 175-Degree Wide-Angle Lenses.
Claims use since Mar. 4, 1948.

Ser. No. 549,191. Colormatic Co. of America, Kansas City, Mo. Filed Nov. 22, 1948.

COLORMATIC

The pictorial illustration of the camera is disclaimed.
For Photographic Cameras, Photographic Dark Rooms Mounted on Wheels for Mobility and Having Photographic Developing Tanks and Trays Therein and Forming a Part Thereof, Photographic Developing Tanks, and Photographic Printing Apparatus.
Claims use since Oct. 1, 1947.

Ser. No. 570,038. Bacharach Industrial Instrument Company, Pittsburgh, Pa. Filed Dec. 6, 1948.

TRUE-SPOT

The word "Spot" is disclaimed.
For Testing Instruments for Determining the Carbon Content of Flue Gases.
Claims use since Oct. 27, 1948.

Ser. No. 578,948. Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Filed May 17, 1949.

BBT KRAUSS

The word "Krauss" is disclaimed. Applicant claims ownership of French Registrations Nos. 296,521, dated Oct. 16, 1934, and 335,594, dated June 19, 1941.
For Binoculars, Object Glass Lenses, Eye-Pieces, Micrometers, Thread Counters, Magnifying Glasses, Greenough Stereoscopic Binocular Lenses, Microscopes, Metallographic Microscopes, Contour Projectors, Instruments for Optical Direction and Range Finding Provided With Cross Wires and Mounted on Mechanism Enabling Angular Displacements To Be Measured, Compasses, and Kinematographs.

Ser. No. 596,886. Video Television, Inc., New York, N. Y. Filed May 4, 1950.

SYNCRO-SWEEP

The word "Sweep" is disclaimed.
For Electronic Testing Equipment, i. e., Apparatus for Producing Electrical Signals Which Are Adapted for Testing Television Receivers, Cathode Ray Tube Circuits, High Voltage Circuits, and the Like.
Claims use since Mar. 15, 1950.

Ser. No. 606,928. Acoemeter Corporation, Buffalo, N. Y. Filed Nov. 25, 1950.

ACEOMETER

For Automatic Time Operated Combined Job Cost and Attendance Recording Apparatus.
Claims use since August 1947.

Ser. No. 607,968. Paul V. Shell, doing business as The Paul V. Shell Co., Kansas City, Mo. Filed Dec. 21, 1950.

Merry-Marker

The term "Marker" is disclaimed.
For Butter and Margarine Measure for Measuring Quarter Pound Prints Thereof.
Claims use since Apr. 12, 1950.

Ser. No. 608,858. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio. Filed Jan. 17, 1951.

TROJAN

Applicant claims ownership of Registration No. 389,203.
For Fixed Temperature Types of Sprinkler System Control Thermostats.
Claims use since June 15, 1940.

Ser. No. 614,184. The Bennett Corporation, San Francisco, Calif. Filed May 23, 1951.

Fineline

For Flash Attachment for Cameras.
Claims use since June 1, 1950.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 581,106. Waldron and Company, Inc., Philadelphia, Pa. Filed June 25, 1949. (Sec. 2f.)

WALDRON

For Watches.
Claims use since June 27, 1938.

Ser. No. 591,080. Galter Products Company, Chicago, Ill. Filed Jan. 19, 1950.

SPARTUS

For Electric Clocks.
Claims use since Jan. 16, 1950.

Ser. No. 592,636. Jefferson Electric Company, Bellwood, Ill. Filed Feb. 17, 1950. (Sec. 2f.)

Jefferson

Applicant claims ownership of Registration No. 501,770.
For Electric Clocks.
Claims use since Dec. 2, 1949; and since Feb. 10, 1916, with respect to related and associated goods specified in Registration No. 501,770.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 581,105. Waldron and Company, Inc., Philadelphia, Pa. Filed June 25, 1949. (Sec. 2f.)

WALDRON

For Jewelry for Personal Wear Not Including Watches, All Being Made of Precious Metal—Namely, Finger Rings, Earrings, Bracelets, Brooches, Necklaces, Scarf-Pins, Lockets, Barrettes, Name-Clips, Collar and Tie Sets, Belt-Buckles, Cuff-Links, and Watch Charms; Precious and Semi-Precious Stones; and Sterling Silver and Silver-Plated Flatware and Hollow Ware.
Claims use since June 27, 1938.

Ser. No. 587,334. The International Silver Company, Meriden, Conn. Filed Nov. 4, 1949.

Bridal Veil

Applicant claims ownership of Registration No. 195,585.
For Sterling Silver Table Ware.
Claims use since May 6, 1949.

Ser. No. 594,545. Imperial Pearl Syndicate, Inc., Chicago, Ill. Filed Mar. 24, 1950.

SCULPTURED PEARLS

The word "Pearls" is disclaimed.
For Simulated Pearls and Simulated Pearl Jewelry for Personal Wear—Namely, Necklaces, Bracelets, Earrings, Clasps, Studs, Scarf Pins, and Finger Rings.
Claims use since July 1949.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 601,309. Carrier Corporation, Syracuse, N. Y. Filed July 27, 1950. (Sec. 2f.)

Carrier

Applicant claims ownership of Registration No. 267,368.
For Mechanical Refrigeration Apparatus and Parts Thereof—Namely, Compressors and Condensing Units; Ice Makers for Bulb and Cube Ice; Refrigerated Display Cases; Water Coolers; Beverage Coolers; Forced Air Coolers for Preservative Purposes; Milk Coolers; Walk-In Coolers for Storage of Foods and Beverages; Food Freezers and Cooling Towers.
Claims use since 1915.

Ser. No. 601,562. Pangborn Corporation, Hagerstown, Md. Filed Aug. 1, 1950. (Sec. 2f.)

Pangborn

For Industrial Air Filters of the Screen Type for Separating and Collecting Dust and Parts Thereof.
Claims use since April 1907.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 591,503. The Military Service Company, Birmingham, Ala. Filed Jan. 26, 1950.

VULCAN

For Writing Desks, Tables, Chairs, Settees, Lounges, Dinette Suites, Steel Lockers, Steel Shelving Sold in Sets of Shelves and as Shelving Units, Filing Cabinets, Seating Booths, Cushions, Costumers, Smoking Stands, Stools, Newspaper Holders Made of Wood for Holding Newspapers in Libraries and the Like, Magazine Racks, Ottomans, Stationery Cabinets for Office Use, and Storage Cabinets for Home Use.
Claims use since June 1949.

Ser. No. 600,025. Burton-Dixie Corporation, Chicago, Ill. Filed June 30, 1950.

BEDLOVAN

For Combination Bed and Divan.
Claims use since Oct. 14, 1949.

Ser. No. 601,110. The James P. Luxem Co., Chicago, Ill. Filed July 22, 1950.

The **LUXWOOD**

For Folding Tables and Folding Chairs.
Claims use since Aug. 1, 1946.

Ser. No. 601,655. William S. Toms Limited, High Wycombe, England. Filed July 14, 1950.



The representation of the head is a likeness of the Greek mythological god of sleep. Applicant claims ownership of British Registrations Nos. 414,072, 480,455, and 550,673, dated Apr. 7, 1921, May 7, 1927, and Apr. 26, 1934, respectively.
For Mattresses, Pillows, Wood Bedsteads, and Upholstered Divans With Wood Headboards and Feet.

Ser. No. 605,457. American Seating Company, Grand Rapids, Mich. Filed Oct. 27, 1950.

Applicant disclaims the wording appearing in the drawing. Applicant claims ownership of Registration No. 279,915.

For Various Types of Chairs, Seating and Other Furniture, Specifically Folding Chairs, Seating for Theaters, Auditoriums, Stadiums, Churches, Shoestores, and Courtrooms, Schoolroom Furniture, Comprising Chairs, Desks, Combination Chair-Desks, and Tables.

Claims use since Aug. 30, 1930.

Ser. No. 607,520. Roman Raichert Company, Inc., Chicago, Ill. Filed Dec. 9, 1950.

The drawing is lined for gold.

For Sewing Machine Cabinets.

Claims use since June 9, 1948.

Ser. No. 609,077. The Columbia Mills, Inc., Syracuse, N. Y. Filed Jan. 22, 1951.

AJAX

For Wooden and Laminated Shade Rollers.

Claims use since July 1, 1950.

Ser. No. 609,250. Mullins Manufacturing Corporation, Salem and Warren, Ohio. Filed Jan. 25, 1951.

Cusheen

For Counter Tops for Kitchen Cabinets Provided With Vinyl Plastic Work Surfaces.

Claims use since February 1950.

CLASS 33

GLASSWARE

Ser. No. 534,987. Blue Ridge Glass Corporation, Kingsport, Tenn. Filed Sept. 19, 1947. (Sec. 2f.)

Applicant claims ownership of Registration No. 247,669.

For Flat Glass.

Claims use since Sept. 7, 1927.

Ser. No. 564,605. Bryce Brothers Company, Mount Pleasant, Pa. Filed Sept. 3, 1948. (Sec. 2f as to "Bryce.")

The figure shown is fanciful.

For All Shapes and Types of Glass Stemware and Tumblers, for Goblets, Sherbets, Drinking Tumblers, and Wine, Liquor, and Whisky Glasses.

Claims use since July 12, 1948 on the mark as shown; and since 1894 on the name "Bryce."

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 613,586. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio. Filed May 7, 1951.

For Hot Plates and Lamp Stoves.

Claims use since July 1, 1902.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 531,921. Leader Specialty Company, Indianapolis, Ind. Filed Aug. 20, 1947.

"BLACK TOM"

Applicant claims ownership of Registrations Nos. 195,084 and 231,587.

For Bibb Washers, Gaskets, Spud Washers, and Valve Diaphragms.

Claims use since Aug. 18, 1924.

Ser. No. 605,868. Pan American Trade Development Corp., New York, N. Y. Filed Nov. 3, 1950.

PANAMBESTOS

For Non-Metallic Brake Linings and Clutch Facings.

Claims use since Sept. 1, 1950.

Ser. No. 610,085. Markt & Hammacher Company, New York, N. Y. Filed Feb. 14, 1951.

HERO

For Fiber Block Brake Linings, Transmission Linings, and Clutch Face Linings for Automobiles, Trucks, and Tractors.

Claims use since Feb. 1, 1951.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 549,351. Winter & Company, New York, N. Y. Filed Nov. 12, 1947. (Sec. 2f.)

Sterling

For Pianos.

Claims use since 1860.

Ser. No. 584,741. George Wendell Adams, Francis Lyster Jandron, Alfred Pittman, L. Ivimy Gwalter and Clayton B. Craig, Boston, Mass., trustees under the will of Mary Baker G. Eddy, deceased. Filed Sept. 13, 1949.

For Grooved Phonograph Records of Religious Recordings of Music and Prose.

Claims use since July 20, 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 542,006. Crown Zellerbach Corporation, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Filed Nov. 22, 1947. (Sec. 2f.)

Mode

Applicant claims ownership of Registration No. 282,958.

For Paper Napkins, Paper Towels, and Toilet Tissue.

Claims use since July 1, 1940.

Ser. No. 559,393. West Virginia Pulp and Paper Company, New York, N. Y. Filed Feb. 14, 1948.

INSPIRATION

Applicant claims ownership of Registration No. 419,165.

For Writing Paper, Index Bristol, and Book Papers.

Claims use since April 1927.

Ser. No. 562,528. Blake, Moffitt & Towne, San Francisco, Calif. Filed July 30, 1948.

EMPIRE

For Bristol Board Paper.

Claims use since 1904.

Ser. No. 569,902. Stocker Manufacturing Company, Netcong, N. J. Filed Dec. 3, 1948.

GLASCO

For Wrapping Paper.

Claims use since Oct. 11, 1948.

Ser. No. 572,392. Sitroux Incorporated, New York, N. Y. Filed Jan. 22, 1949.

CHANTEL

For Toilet Tissues.

Claims use since Feb. 27, 1948.

Ser. No. 725. Crown Zellerbach Corporation, doing business as National Paper Products Company, San Francisco, Calif. Filed July 30, 1949. (Sec. 2f.)

SQUAREFOLD

For Toilet Tissue.

Claims use since Jan. 2, 1937.

Ser. No. 586,826. Wire-O Corporation, Poughkeepsie, N. Y. Filed Oct. 25, 1949.

MULT-O

Applicant claims ownership of Registration No. 377,103.

For Loose-Leaf and Permanent Binders—Namely, the Metals and the Complete Binders.

Claims use since Aug. 1, 1939.

Ser. No. 590,118. White-Washburne Company, Inc., Hinsdale, N. H. Filed Dec. 29, 1949.

The word "Antiseptic" is disclaimed. Applicant claims ownership of Registration No. 305,580.

For All Kinds of Toilet Tissue.

Claims use since Mar. 1, 1943.

Ser. No. 592,262. Eaton Paper Corporation, Pittsfield, Mass. Filed Feb. 10, 1950. (Sec. 2f as to "Eaton.")

Applicant claims ownership of Registrations Nos. 537,551 and 537,552.

For Hand and Desk Blotters; Desk Pads, Desk Calendars; Pen Holders and Trays; Paper Weights; Book Marks; Library Sets Comprising Scissors and Letter Opener; Address and Engagement Pads; Address and Engagement Books; Memorandum Books; Slip Covers for Books; Birthday, Bride's Gift, Manuscript and Garden Record Books; and Picture Albums.

Claims use since Jan. 11, 1950, on the mark as shown; and since 1901 on the name "Eaton."

Ser. No. 596,302. Winslow L. Taylor, Philadelphia, Pa. Filed Apr. 25, 1950.

TRADE TRU-SAN MARK

The words "Trade Mark" are disclaimed.

For Paper Bath Mats.

Claims use since Aug. 1, 1949.

Ser. No. 603,057. Gamble-Skogmo, Inc., Minneapolis, Minn. Filed Sept. 1, 1950.

HOME guard

The word "Home" is disclaimed. Applicant claims ownership of Registration No. 363,490.
For Wall Paper.
Claims use since May 1946.

Ser. No. 603,047. Orchard Paper Co., St. Louis, Mo. Filed Oct. 17, 1950.

NAMEPLATE

For Wrapping Paper.
Claims use since July 1, 1946.

Ser. No. 605,162. Klik Enterprises, Inc., New York, N. Y. Filed Oct. 19, 1950.

TEL-E-PEN

The word "Pen" is disclaimed.
For Pens and Pencils.
Claims use since Oct. 5, 1950.

Ser. No. 605,163. Klik Enterprises, Inc., New York, N. Y. Filed Oct. 19, 1950.

TEL-E-PENCIL

The word "Pencil" is disclaimed.
For Pens and Pencils.
Claims use since Oct. 5, 1950.

Ser. No. 610,219. The Lehon Company, Chicago, Ill. Filed Feb. 17, 1951.

Damis

For Paper Napkins.
Claims use since Feb. 6, 1951.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 603,978. Ziff-Davis Publishing Company, Chicago, Ill. Filed Sept. 21, 1950.

AMAZING ADVENTURES

The word "Adventures" is disclaimed. Applicant claims ownership of Registration No. 511,026.
For Magazine.
Claims use since Aug. 4, 1950.

CLASS 39

CLOTHING

Ser. No. 534,997. Alex Carafiol, Inc., St. Louis, Mo. Filed Sept. 19, 1947.

Peggy Parks

Applicant claims ownership of Registration No. 408,597.
For Women's, Misses' and Junior Misses' Dresses, Frocks, and Blouses.
Claims use ince May 1938.

Ser. No. 567,866. Joseph Lincoln Manufacturing Company, Inc., Covington, Ohio. Filed Oct. 29, 1948.

NOMARC

For Hat Covers Applied to Hats as a Protective Covering Against Dust During Storage of Such Hats and Also as a Protective Covering During Inclement Weather.
Claims use since Oct. 13, 1948.

Ser. No. 573,281. Williamson-Dickie Manufacturing Co., Fort Worth, Tex. Filed Feb. 3, 1949.

Dickie's TOP HAND

Applicant claims ownership of Registration No. 507,167.
For Work Clothing—Namely, Dungarees, Jackets, Western Shirts, and Ranch Pants, All for the Use of Men and Boys.
Claims use since Jan. 10, 1949.

Ser. No. 581,266. Kaylon Incorporated, New York, N. Y. Filed June 29, 1949.

RED DEVILS

The word "Red" is disclaimed.
For Men's, Women's, and Children's Pajamas, Pajama Coats, Beach Coats, and Bath Robes.
Claims use since Apr. 22, 1949.

Ser. No. 581,643. John Z. Brauman, Inc., New York, N. Y. Filed July 8, 1949.

Kings Repp

The word "Repp" is disclaimed.
For Neckwear—Namely, Neckties.
Claims use since Feb. 1, 1949.

Ser. No. 584,745. Associated Knitters, Inc., Reading, Pa. Filed Sept. 13, 1949. (Sec. 2f as to "Berne.")



For Men's, Women's, Boys', and Girls' Hosiery and Ladies' Underwear.
Claims use since 1925.

Ser. No. 588,474. Beltx Corporation, St. Louis, Mo. Filed Nov. 29, 1949.

Beltx

Applicant claims ownership of Registration No. 261,096.
For Women's and Girls' Garters, Hose Supporters, and Blouse Belts.
Claims use since April 1939.

Ser. No. 588,476. Benioffs Furs, Allentown, Pa. Filed Nov. 29, 1949. (Sec. 2f.)

Benioffs

The drawing is lined for shading only.
For Fur Coats, Fur Jackets, Fur Capes, and Fur Neck Pieces and Scarfs.
Claims use since 1922.

Ser. No. 591,112. William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Filed Jan. 19, 1950.

KING WILLIAM

For Men's, Women's, Misses', and Children's Caps; Hats; Shoes of Leather, Calfskin, Satin, Brocade, Snakeskin, and Kid; Gloves of Fabric, Leather, and Combinations Thereof; Riding Breeches, Riding Habits, Sport Coats, Bathing Suits, Beach Robes, Suits, Coats, Overcoats, Raincoats, Hosiery; Women's, Misses', and Children's Collar and Cuff Sets; Neckties, Belts for Outer Wear; Scarfs, Blouses, Smocks, Aprons, Skirts for Outer Wear, Dresses, Kimonos, Negligees, Lingerie—Namely, Dancing Sets and Costume Slips, Bloomers, Drawers, Vests, Chemises; Dress Slips, Petticoats, Nightgowns; Shawls, Children's Rompers; Wedding Gowns; Nurses' Uniforms; Women's and Misses' Corsets, Brassières, Combination Corset and Brassière, and Bras.
Claims use since Jan. 5, 1950.

Ser. No. 591,936. Liberty Trouser & Overall Co., Birmingham, Ala. Filed Feb. 3, 1950.



The word "Slacks" is disclaimed. The lining is intended to represent gold and black.
For Slacks for Men and Women.
Claims use since Oct. 6, 1949.

Ser. No. 593,547. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 7, 1950. (Sec. 2f.)

LAPLAND

For Men's and Boys' Dress Shirts, Negligee Shirts, Work Shirts and Parts Thereof, To Wit, Neckbands, Cuffs and Shirt Fronts; Men's, Women's, Boys', and Girls' Sport Shirts, Jackets and Coats; Men's and Boys' Pajamas and Underwear; Men's and Women's, Boys' and Girls' Sweaters, Handkerchiefs, Neckties, and Hosiery.
Claims use since Sept. 3, 1940.

Ser. No. 593,928. May Hosiery Mills, Nashville, Tenn. Filed Mar. 14, 1950.

Design Dyed

The words "Design Dyed" are disclaimed.
For Hosiery for Men, Women, and Children.
Claims use since Feb. 6, 1950.

Ser. No. 594,062. Phillips-Jones Corporation, New York, N. Y. Filed Mar. 16, 1950.

TEE-ZERS

The word "Tee" is disclaimed.
For Men's, Women's, Boys' and Girls' Outer Shirts and Men's and Boys' Ties.
Claims use since Nov. 25, 1949.

Ser. No. 594,948. Big Jack Manufacturing Company, Inc., Bristol, Va. Filed Mar. 31, 1950.

CAPTAIN Jack

For Boys' Dungarees.
Claims use since Mar. 1, 1949.

Ser. No. 595,155. Sears, Roebuck and Co., Chicago, Ill. Filed Apr. 3, 1950.

ARMORED CROTCH

The word "Crotch" is disclaimed. Applicant claims ownership of Registration No. 331,205.
For Men's and Boys' Underwear.
Claims use since Mar. 1, 1935.

Ser. No. 596,043. N & W Industries, Inc., Lynchburg, Va. Filed Apr. 20, 1950.

N & W WORKALLS

Applicant claims ownership of Registrations Nos. 331,516 and 513,633.
For One-Piece Work Garment in the Nature of an Overall.
Claims use since Jan. 15, 1950.

Ser. No. 603,079. Helen Ray Pully, Jacksonville Beach, Fla. Filed Sept. 1, 1950.

THE HELEN RAY SHIRT

The mark consists of the given name and middle name of the applicant. The word "Shirt" is disclaimed.
For Men's, Women's, and Children's Shirts—Namely, Sport Shirts, Work Shirts, and Negligee Shirts.
Claims use since June 15, 1949.

Ser. No. 603,207. Rosedale Knitting Company, Reading, Pa. Filed Sept. 6, 1950.

PODIUM SOLE

The word "Sole" is disclaimed.
For Hosiery for Women and Girls.
Claims use since Aug. 11, 1950.

Ser. No. 604,165. Thomas Hosiery Company, Inc., New York, N. Y. Filed Sept. 28, 1950.

EYE CATCHER

For Hosiery for Men, Women, and Children.
Claims use since Aug. 1, 1950.

Ser. No. 604,509. The Supreme Coat Co., Worcester, Mass. Filed Oct. 4, 1950.

Miss Supreme FABRIC OF DISTINCTION

The words "Fabric of Distinction" are disclaimed. The drawing is lined for shading only.
For Coats and Jackets for Women and Girls.
Claims use since July 1, 1949.

Ser. No. 605,495. Harry Rothman, Inc., New York, N. Y. Filed Oct. 27, 1950.

a WAY OF LIFE

For Men's Suits, Top Coats, Sport Coats, Overcoats, Jackets, Sport Jackets, Slacks, Trousers, Outer Shirts, Neckties, and Stockings.
Claims use since Jan. 4, 1949.

Ser. No. 605,987. Brooks Brothers, New York, N. Y. Filed Nov. 7, 1950.

TROON

For Collars.
Claims use since May 8, 1925.

Ser. No. 606,997. Art Infants Wear, Inc., New York, N. Y. Filed Nov. 28, 1950.

PRETTY *Baby*

For Children's Underwear.
Claims use since Nov. 22, 1945.

Ser. No. 607,260. Leslie Murgatroyd, doing business as Perma-Knot Tie Company, Williamsville, N. Y. Filed Dec. 4, 1950.

PERMA-KNOT

The word "Knot" is disclaimed.
For Pre-Tied Necktles and Bow Ties.
Claims use since May 1, 1950.

Ser. No. 608,197. Cluett, Peabody & Co., Inc., Troy, N. Y. Filed Dec. 29, 1950.

ARAFOLD

For Men's and Boys' Outer Shirts.
Claims use since Nov. 15, 1950.

Ser. No. 608,695. Baar & Beards, Inc., New York, N. Y. Filed Jan. 12, 1951.

TWIN TIP

For Women's and Misses' Scarves.
Claims use since Sept. 15, 1950.

Ser. No. 609,605. Salant & Salant, Inc., New York, N. Y. Filed Feb. 3, 1951.

King Kole JUNIOR

The word "Junior" is disclaimed. Applicant claims ownership of Registration No. 87,487.
For Boys' Outer Shirts.
Claims use since Jan. 23, 1951.

Ser. No. 610,229. Quest-Shon Mark Brassiere Co., Inc., Brooklyn, N. Y. Filed Feb. 17, 1951.

HIDE-AWAY

For Brassières.
Claims use since Oct. 30, 1950.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 606,043. The New York Pattern Company, New York, N. Y. Filed Nov. 7, 1950.

The Carol Curtis

The notation "Carol Curtis" is fanciful.
For Embroidery Patterns.
Claims use since Aug. 25, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 583,753. Goodall-Sanford, Inc., Sanford, Maine. Filed Aug. 20, 1949.

NYTEX

For Piece Goods Especially for Wearing Apparel, of Cotton, Mohair, Wool, Synthetic Fibres, and Combinations Thereof Sold in Bolt.
Claims use since Apr. 25, 1949.

Ser. No. 596,409. Forstmann Woolen Co., Passaic, N. J. Filed Apr. 27, 1950.

BEAUDEEN

For Woolen Piece Goods.
Claims use since Apr. 11, 1950.

Ser. No. 598,293. Cloverly Plastics, Inc., New York, N. Y. Filed May 29, 1950.

Cloverlon

For Window Draperies, Bed Spreads, Vanity Skirts and Pillow Shams, and Ensembles Thereof of Plastic Sheet Material.
Claims use since Apr. 14, 1950.

Ser. No. 601,323. Glen Raven Cotton Mills, Inc., Glen Raven, N. C. Filed July 27, 1950.



The vertical lining represents the color red and applicant claims this color. The horizontal lining is for shading purposes only. Applicant claims ownership of Registration No. 279,711.
For Dress and Suit Fabrics of Cotton, Wool and Synthetic Fibers.
Claims use since Sept. 10, 1948.

Ser. No. 602,073. Star Bedding Co., St. Louis, Mo. Filed Aug. 10, 1950.

star ★

Applicant claims ownership of Registrations Nos. 114,841, 128,528, and others.
For Down-Filled Comforts and Quilts.
Claims use since June 1902.

Ser. No. 605,364. The Magee Carpet Company, Bloomsburg, Pa. Filed Oct. 24, 1950.

AVITEX

For Textile Carpets and Rugs.
Claims use since July 3, 1950.

Ser. No. 605,888. Artistic Manufacturing Co., Incorporated, New York, N. Y. Filed Nov. 4, 1950.

ARTYE

The word "Tye" is disclaimed. Applicant claims ownership of Registration No. 529,145.
For Textile Ribbons, Made of Rayon, Silk, Cotton, Synthetic, and Like Fibres.
Claims use since Aug. 19, 1946.

Ser. No. 606,009. D. B. Fuller & Co., Inc., New York, N. Y. Filed Nov. 7, 1950.

SATIN QUEEN

The word "Satin" is disclaimed.
For Textile Fabrics in the Piece, of Cotton, Rayon, Protein Fibres, and Mixtures Thereof.
Claims use since Apr. 5, 1948.

Ser. No. 612,418. Simon, Healey & Goldstein, Inc., New York, N. Y. Filed Apr. 9, 1951.

LINYL

For Fabrics in the Piece Made of Nylon Yarn.
Claims use since Feb. 15, 1951.

Ser. No. 612,755. Oregon Worsted Co., Portland, Oreg. Filed Apr. 17, 1951.

Westcord

For Worsted Cloth.
Claims use since Mar. 9, 1951.

Ser. No. 612,821. Pacific Mills, Boston, Mass., and New York, N. Y. Filed Apr. 18, 1951.

SUPPLETEEN

For Woolen Fabrics in the Piece.
Claims use since Apr. 12, 1951.

Ser. No. 612,910. Hego Fabrics, Inc., New York, N. Y. Filed Apr. 20, 1951.

PICKAWIN

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibres, and Combinations Thereof.
Claims use since July 10, 1950.

Ser. No. 613,089. J. P. Stevens & Co., Inc., New York, N. Y. Filed Apr. 24, 1951.

BULWARK

For Cotton Piece Goods.
Claims use since 1926.

Ser. No. 613,209. Barker Bros. Corporation, Los Angeles, Calif. Filed Apr. 27, 1951.

Barkertex

For Towels.
Claims use since November 1950.

Ser. No. 613,210. Barker Bros. Corporation, Los Angeles, Calif. Filed Apr. 27, 1951.

Qualitor

For Blankets.
Claims use since March 1949.

Ser. No. 613,275. Martin Weiner Corp., New York, N. Y., and Clifton, N. J. Filed Apr. 27, 1951.

Ny-Eve

For Textile Fabrics in the Piece Composed of Rayon, Cotton, Wool, Silk, Linen, Nylon, and Combinations Thereof.
Claims use since Dec. 15, 1950.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 605,002. Zenith Radio Corporation, Chicago, Ill. Filed Oct. 16, 1950.

ROYAL

Applicant claims ownership of Registration No. 533,267.
For Electrical Hearing Aids and Parts Thereof.
Claims use since Aug. 15, 1950.

Ser. No. 606,106. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f.)

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, and others.
For X-Ray Apparatus and Parts Therefor for Diagnostic, Therapeutical and Surgical Uses and Therapeutic Lamps.
Claims use since June 1, 1941.

Ser. No. 606,351. Walker-Young Corporation, Long Beach, Calif. Filed Nov. 13, 1950.

RecTone

For Pneumatic Medicating Rectal Dilator.
Claims use since Oct. 12, 1950.

Ser. No. 608,170. Kleenpak Incorporated, Atlanta, Ga. Filed Dec. 28, 1950.

KLEENPAK

For Disposable Fountain Syringes.
Claims use since Sept. 2, 1950.

Ser. No. 608,190. Jung Products Inc., Cincinnati, Ohio. Filed Dec. 26, 1950. (Sec. 2f.)

JUNG'S

Applicant claims ownership of Registration No. 276,366.
For Foot Corrective Appliances—Namely, Arch Braces and Ankle and Foot Braces.
Claims use since Jan. 1, 1919.

Ser. No. 608,293. C. A. Wiltrout Mfg. Co., St. Paul, Minn. Filed Jan. 2, 1951.

J.W.

For Walking Heels for Use in Conjunction With Leg Casts and Leg Splints, Splints and Intravenous Boards.
Claims use since May 13, 1949.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 572,202. Pre-Carb Root Beer Co. of America, Altadena, Calif. Filed Jan. 14, 1949.

Sno-Foam DOUBLE + + CREAMY ROOT BEER

The drawing is lined to represent the colors blue and brown. The representation of the root beer container and of the liquid therein, all wording except the word "Sno" are disclaimed.
For Root Beer and Its Concentrate.
Claims use since Nov. 16, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 517,671. Schultz, Baujan & Co., Beardstown, Ill. Original filed, act of 1905, Feb. 17, 1947; amended to application under act of 1946, Principal Register, June 19, 1948.

NORTHERN STAR

For Wheat Flour.
Claims use since October 1875.

Ser. No. 521,517. Greeley Spud Chip Company, Greeley, Colo., assignor to Spud Chips Inc., Weld County, Colo., a corporation of Colorado. Original filed, act of 1905, Apr. 29, 1947; amended to application under act of 1946, Principal Register, July 10, 1948.



The drawing is lined for the colors red and green. The representation of the man is fanciful.
For Potato Chips.
Claims use since Mar. 12, 1946.

Ser. No. 522,428. E. J. Brach & Sons, Chicago, Ill. Original filed, act of 1905, May 15, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. (Sec. 2f.)

Chocolate Party Mix

The words "Chocolate" and "Mix" are disclaimed.
For Candy.
Claims use since Jan. 18, 1934.

Ser. No. 529,859. Armour and Company, Chicago, Ill. Filed July 29, 1947. (Sec. 2f.)

DEVONSHIRE

Applicant claims ownership of Registration No. 282,830.
For Pork Sausage.
Claims use since 1902.

Ser. No. 536,578. The Blair Milling Company, Atchison, Kans. Filed Oct. 3, 1947. (Sec. 2f.)

Blair's Certified

The word "Certified" is disclaimed. Applicant claims ownership of Registration No. 301,112.
For Wheat Flour, and Stock and Poultry Feeds With a Grain Base.
Claims use since Feb. 1, 1920.

Ser. No. 545,135. Dallas B. Lewis, doing business as Ross Food Co., Los Angeles, Calif., assignor to Lewis Food Co., Los Angeles, Calif., a corporation of California. Filed Dec. 22, 1947.

Cap'n Kit

For Cat Food.
Claims use since Sept. 25, 1947.

Ser. No. 549,600. Zellwin Farms Company, Zellwood, Fla. Filed Feb. 12, 1948.

ZELLWIN

For Fresh Vegetables.
Claims use since Nov. 18, 1946.

Ser. No. 362,896. Albers Milling Company, Oakland, Calif., Portland, Oreg., Seattle, Wash., and Los Angeles, Calif. Filed Aug. 6, 1948. (Sec. 2f.)

Albers

Applicant claims ownership of Registrations Nos. 340,535, 351,947, 351,414, and 382,361.

For Cereals for Human Consumption—Namely, Oatmeal, Corn Meal, Pearl Barley, Hominy Grits, Instant Tapioca, and Pancake and Waffle Flour Mixes, and for Animal and Poultry Feed—Namely, Feeds for Chickens, Turkeys, Pheasants, Pigeons, Cows, Steers, Calves, Horses, Sheep, Pigs, Goats, and Rabbits Composed of Ground Grains, Concentrates and Minerals.

Claims use since June 1913.

Ser. No. 371,281. Marshall Field & Company, Chicago, Ill. Filed Dec. 29, 1948.

FAMILY CIRCLE

For Assorted Hard Candies.
Claims use since Nov. 2, 1948.

Ser. No. 373,131. Lance, Inc., Charlotte, N. C. Filed Feb. 1, 1949. (Sec. 2f as to the word "Lance.")



The drawing is lined to indicate the color red; however, no claim to color is made. The words "The House of" are disclaimed. Applicant claims ownership of Registrations Nos. 170,701, 245,233, and others.

For Salted Peanuts, Peanut Butter Sandwiches, Cakes, Cookie Sandwiches, Fig Bars, Oat Cakes, Malt Sandwiches, Soda Cracker Sandwiches With Suitable Filling, Candy Suckers, Fudge Bars, Cocoanut Bars, Peanut Bars, and Potato Chips.

Claims use since Sept. 1, 1948, on the entire mark; and the word "Lance" since May 21, 1921.

Ser. No. 380,382. Staley Milling Company, North Kansas City, Mo. Filed June 13, 1949.

KARMELS

For Feed Compound Composed of Cereal Grains and Other Ingredients Suitable for Cattle, Hogs, and Other Animals.

Claims use since June 3, 1949.

Ser. No. 381,546. Arnat Packing Co., Brooklyn, N. Y. Filed July 6, 1949.

ARNAT

For Cocoa and Coffee.
Claims use since Sept. 30, 1947.

Ser. No. 383,908. Gerald G. Balch, doing business as Balch Flavor Company, Pittsburgh, Pa. Filed Aug. 24, 1949.

FUDGE RIPPLE SAUCE

Applicant disclaims the words "Fudge" and "Sauce." Applicant claims ownership of Registrations Nos. 380,818 and 397,167.

For Fudge Sauce for Use in or With Ice Cream or Ice Cream Confections.

Claims use since Sept. 30, 1939.

Ser. No. 383,963. Vimco Macaroni Products Company, Carnegie, Pa. Filed Aug. 24, 1949.

KURL-MAC

For Macaroni.
Claims use since June 1, 1946.

Ser. No. 383,966. Vimco Macaroni Products Company, Carnegie, Pa. Filed Aug. 24, 1949.

RIBMAC

For Macaroni.
Claims use since June 1, 1946.

Ser. No. 384,532. Eskimo Pie Corporation, Bloomfield, N. J. Filed Sept. 7, 1949.

"CORONADO"

For Chocolate Coatings for Ice Cream and the Like.
Claims use since May 14, 1949.

Ser. No. 385,381. The French Sardine Company of California, Terminal Island, Calif. Filed Sept. 30, 1949.

BELLE ISLE

For Canned Fish.
Claims use since Jan. 1, 1923.

Ser. No. 386,414. W. J. Jennison Company, Minneapolis, Minn. Filed Oct. 17, 1949.

STAMINA

For First Clear Wheat Flour.
Claims use since Feb. 19, 1948.

Ser. No. 587,271. Licorice Products Company, Dubuque, Iowa. Filed Nov. 3, 1949.

EL PEECO

For Licorice Confections.
Claims use since Nov. 15, 1919.

Ser. No. 587,833. J. A. Stone, doing business as Food Sales Company, Chicago, Ill. Filed Nov. 15, 1949.



The word "Shrimp" is disclaimed.
For Breaded Shrimp.
Claims use since Oct. 1, 1949.

Ser. No. 588,035. Liza-Jean Sweets, Inc., Cleveland, Ohio. Filed Nov. 18, 1949.

LIZA-JEAN ALPHABET COOKIES

The words "Cookies" and "Alphabet" are disclaimed.
For Cookies.
Claims use since Nov. 3, 1949.

Ser. No. 588,547. California Turkey Growers Association, San Francisco, Calif. Filed Nov. 30, 1949.



The word "California" is disclaimed.
For Poultry—Namely, Frozen and Fresh Dressed.
Claims use since Oct. 31, 1949.

Ser. No. 589,933. Holland House Coffee and Tea Corp., Long Island City, N. Y., assignee of Eppens, Smith Company, Inc. Filed Nov. 8, 1949. (Sec. 2f.)



Applicant claims ownership of Registration No. 342,578.
For Coffee.
Claims use since Mar. 15, 1926.

Ser. No. 592,421. Abraham Drach, Outremont, Montreal, Canada. Filed Feb. 14, 1950.

MENORAH BRAND

Priority is claimed under Sec. 44(d). Canadian application filed Aug. 25, 1949, Registration No. 204,154, dated Aug. 25, 1949. The word "Brand" is disclaimed. The translation of the Hebraic word "Menorah" is "Candelabra."

For Cooked and Smoked Meats—Namely, Salami, Frankfurter, Baloney, Liverwurst, Smoked Brisket Points, Smoked Ribs, Smoked Chucks, Smoked Plates, and Cooked Veal.

Ser. No. 593,267. Edwards-Freeman, Inc., Philadelphia, Pa. Filed Mar. 2, 1950.

BON TON

For Shelled and Unshelled, Salted and Unsalted Mixed Nuts.
Claims use since 1909.

Ser. No. 593,499. Prize-Pop Confections, Inc., Tullahoma, Tenn. Filed Mar. 6, 1950.



No claim is made to the words "Prize Pop." The representation of the boy is fanciful.
For Candy Coated Popcorn.
Claims use since Jan. 5, 1950.

Ser. No. 594,946. Berger & Plate Company of San Francisco, San Francisco, Calif. Filed Mar. 31, 1950.

California QUEEN

No claim is made to the word "California."
For Canned Fruits, Canned Vegetables, Canned Fish, Canned Fruit Cocktail, Canned Tomato Paste, Tomato Catsup, and Canned Deciduous Fruit Juices.
Claims use since June 3, 1948.

Ser. No. 595,115. Mason Co., Inc., Atlantic City, N. J. Filed Mar. 18, 1950.

Marine

The drawing is lined for shading purposes only, and the lines in the drawing do not represent any color.
For Canned Vegetables, Canned Fruits, Canned Tomato Juice, and Canned Puree.
Claims use since 1920.

Ser. No. 597,480. Frank D. Witter, Genoa, Ill. Filed May 15, 1950.

DOBBER'S

For Salad Dressing.
Claims use since Aug. 13, 1949.

Ser. No. 597,729. Ark-Homa Farms Frozen Foods, Inc., Fort Smith, Ark. Filed May 19, 1950.

HILLS O' HOME

For Frozen Fruits and Vegetables.
Claims use since May 5, 1950.

Ser. No. 597,885. Jugtown Mountain Smokehouse, Flemington, N. J. Filed May 22, 1950.

JUGTOWN MOUNTAIN SMOKEHOUSE

The word "Smokehouse" is disclaimed.
For Smoked Turkeys, Smoked Hams, Smoked Bacon, Smoked Sausage, Smoked Beef Chips, and Smoked Cheese.
Claims use since May 1, 1949.

Ser. No. 600,548. Pickapeppa Company, Ltd., Shooters Hill, Jamaica, British West Indies. Filed Aug. 30, 1950.



The representation of pepper is disclaimed.
For Blended Sauce of Fruits, Vegetables, and Spice for Use With Food.
Claims use since Apr. 7, 1943 in Jamaica, British West Indies; and first used in commerce between Jamaica, British West Indies, and the United States, on July 9, 1948.

Ser. No. 604,825. Walter F. Wood, Jr., Holliston, Mass. Filed Nov. 2, 1950.

Stongate

For Dressed Poultry Both Fresh and Frozen.
Claims use since Oct. 5, 1931.

Ser. No. 607,500. Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii. Filed Dec. 9, 1950.

HAWAIIAN CHIEF

The word "Hawaiian" is disclaimed. Applicant claims ownership of Registration No. 275,683.
For Canned Tuna.
Claims use since Nov. 15, 1950.

Ser. No. 607,501. Hawaiian Tuna Packers, Limited, Honolulu and Kewalo Basin, Honolulu, Territory of Hawaii. Filed Dec. 9, 1950.

HAWAIIAN PRINCE

The word "Hawaiian" is disclaimed. Applicant claims ownership of Registration No. 256,965.
For Canned Tuna.
Claims use since Nov. 15, 1950.

Ser. No. 607,826. Peoples Drug Stores, Inc., Washington, D. C. Filed Dec. 18, 1950.

Myra Monet

The name of "Myra Monet" is fanciful.
For Candy.
Claims use since Sept. 24, 1929.

Ser. No. 607,871. Scenic Citrus Cooperative, Frostproof, Fla. Filed Dec. 19, 1950.

PELICAN

Applicant claims ownership of Registrations Nos. 307,033 and 81,600.
For Fresh Citrus Fruit and Canned Citrus Fruit Juices and Blends Thereof.
Claims use since Nov. 7, 1910.

Ser. No. 608,777. Wilson-Simon Foods, Inc., Roslyn, N. Y., now by change of name Moj Products Corporation. Filed Jan. 13, 1951.

MOJ

For Homogenized Whip Topping Having a Non-Fat Milk Solid Base for Pastries and Desserts.
Claims use since Jan. 2, 1951.

Ser. No. 608,780. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951.



Applicant claims ownership of Registration No. 76,783.
For Canned, Fresh, and Fresh Frozen Fish.
Claims use since 1896.

Ser. No. 608,781. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951.

BUMBLE BEE BRAND

The word "Brand" is disclaimed.
For Canned, Fresh, and Fresh Frozen Fish.
Claims use since 1896.

Ser. No. 608,784. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951.

ESQUIMAUX

For Canned Salmon.
Claims use since 1896.

Ser. No. 608,786. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951. (Sec. 2f.)

KINNEY'S

For Canned Fish.
Claims use since 1877.

Ser. No. 608,787. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Jan. 15, 1951.

SWIFT WATER

Applicant claims ownership of Registration No. 232,212.
For Canned Fish.
Claims use since June 1, 1928.

Ser. No. 608,807. Albert J. Ashkar, also doing business as Albert J. Ashkar Co., Los Angeles, Calif. Filed Jan. 16, 1951

COAST GREEN

For Fresh Vegetables.
Claims use since Dec. 21, 1950.

Ser. No. 609,002. Louis Rosenberg, trading as Modern Food Process Co., Philadelphia, Pa. Filed Jan. 19, 1951.

Thrive

Applicant claims ownership of Registration No. 307,248.
For Dog and Cat Food.
Claims use since May 15, 1933.

Ser. No. 609,135. King Maljan & Company, El Centro, Calif. Filed Jan. 23, 1951.

KNOCK OUT

For Fresh Vegetables.
Claims use since Sept. 1, 1925.

Ser. No. 609,187. National Dairy Products Corporation, New York, N. Y. Filed Jan. 24, 1951.

COFFAIT

For Flavored Milk Beverage.
Claims use since May 26, 1950.

Ser. No. 609,954. Atalanta Trading Corporation, New York, N. Y. Filed Feb. 12, 1951.

Jetty

For Canned Shrimp.
Claims use since Dec. 15, 1950.

Ser. No. 611,219. Dorchester Pharmacy, Inc., Washington, D. C. Filed Mar. 13, 1951.

CLORETS

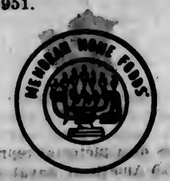
For Chewing Gum Containing Chlorophyll.
Claims use since Sept. 22, 1950.

Ser. No. 611,406. Columbia River Packers Association, Inc., Astoria, Oreg. Filed Mar. 16, 1951.



The word "Brand" is disclaimed.
For Canned, Fresh, and Fresh Frozen Fish.
Claims use since 1896.

Ser. No. 613,180. Menorah Poultry Co., Arverne, N. Y. Filed Apr. 26, 1951.



The Hebrew word means "Kosher" and is disclaimed; and the words "Home Foods" are disclaimed.
For Dressed and Barbecued Poultry.
Claims use since Apr. 8, 1948.

CLASS 47

WINES

Ser. No. 563,068. Kina Rok, Charenton (Seine), France. Filed Aug. 9, 1948.



The lining on the drawing indicates the colors brown and gold. Applicant disclaims the words "Kina," "Blanc," "Aperitif," "Societe Kina-Rok," and "Charenton, Seine." Applicant claims ownership of French Registration No. 377,777, dated May 24, 1947.
For Aperitive Wine With Quinquina.

Ser. No. 582,412. California Grape Products Company, Ltd., New York, N. Y. Filed July 23, 1949.

Spring Mountain

For Wines.
Claims use since July 7, 1949.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 608,608. Paul Jones and Company, Inc., Baltimore, Md. Filed Jan. 10, 1951.

Paul Jones

The name is that of John Paul Jones, Scottish-American naval officer, 1747–1792. Applicant claims ownership of Registrations Nos. 231,691, 232,090, and others.
For Alcoholic Beverages—Namely, Whiskey.
Claims use since Jan. 1, 1880.

Ser. No. 608,609. Paul Jones and Company, Inc., Baltimore, Md. Filed Jan. 10, 1951.



The mark consists of a pictorial representation of John Paul Jones, Scottish-American naval officer, 1747–1792. Applicant claims ownership of Registrations Nos. 231,691, 232,090, and others.
For Alcoholic Beverages—Namely, Whiskey.
Claims use since Jan. 1, 1927.

Ser. No. 609,803. Paul Jones and Company, Inc., Baltimore, Md. Filed Feb. 8, 1951.

Paul Jones

The name is that of John Paul Jones, Scottish-American naval officer, 1747–1792. Applicant claims ownership of Registrations Nos. 231,691, 232,090, and others.
For Alcoholic Beverages—Namely, Whiskey.
Claims use since Oct. 9, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 584,881. Textileather Corporation, Toledo, Ohio. Filed Sept. 15, 1949.

FELTONE

For Coated Fibrous Materials and Resinous Sheet Materials in the Nature of Artificial Leather.
Claims use since Feb. 11, 1949.

Ser. No. 585,858. Pawling Rubber Corporation, Pawling, N. Y. Filed Oct. 6, 1949.

Parco-Link

The word "Link" is disclaimed.
For Door Mats and Floor Mats Comprising Links of Natural or Synthetic Rubber.
Claims use since May 15, 1949.

Ser. No. 595,372. Velveray Corporation, Clifton, N. J. Filed Apr. 11, 1950.

CHIFFONAY

For Plastic Film Embossed and Decorated so as To Take the Nature of Imitation Leather or Similar Covering Material.
Claims use since Feb. 15, 1950.

Ser. No. 595,682. Rudd Plastic Fabrics Corp., New York, N. Y. Filed Apr. 13, 1950.

Ruddflex

For Plastic Fabrics Used as a Substitute for Leather.
Claims use since Aug. 2, 1948.

Ser. No. 596,334. Flowola Plastic Flower Company, Marfa, Tex. Filed Apr. 26, 1950.

Flowola 7 Plastic 7 Flowers 7

The words "Plastic Flowers" are disclaimed.
For Artificial Plastic Flowers.
Claims use since Mar. 1, 1950.

Ser. No. 600,744. Union Novelty Company, Inc., New York, N. Y. Filed July 15, 1950.

GLITTERTWIST

For Novelty Ornaments and Decorations, Used for the Manufacture of Artificial Flowers, Jewelry, Nosegays, Christmas Tree Ornaments, Artificial Christmas Trees, Party and Outdoor Decorations; and in the Display Field for Room Decorations in Stores and Homes.
Claims use since May 3, 1950.

Ser. No. 606,674. The Pantasote Co., Passaic, N. J., and New York, N. Y. Filed Nov. 20, 1950.

PALETTE

For Plastic Material in the Nature of Artificial Leather.
Claims use since Oct. 4, 1950.

Ser. No. 606,675. The Pantasote Co., Passaic, N. J., and New York, N. Y. Filed Nov. 20, 1950.

SOUTH SEAS

For Plastic Material in the Nature of Artificial Leather.
Claims use since May 15, 1950.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 558,089. Garrett R. White, doing business as Carpenter & Co., Cleveland, Ohio. Filed May 28, 1948. (Sec. 2f.)

Carpenter's

For Hair Pomade.
Claims use since Dec. 31, 1930 on the mark as shown; and since June 1892 on the legend "Carpenter's."

Ser. No. 608,222. Rilling Company, New York, N. Y. Filed Dec. 29, 1950.

GOLDEN HOUR

For Hair Waving Solutions.
Claims use since Nov. 20, 1950.

Ser. No. 608,223. Rilling Company, New York, N. Y. Filed Dec. 29, 1950.

RADIANA

For Hair Waving Solutions.
Claims use since Nov. 20, 1950.

Ser. No. 608,621. The Pharma-Craft Corporation, New York, N. Y. Filed Jan. 10, 1951.

chad

Applicant claims ownership of Registration No. 431,045.
For Cream Deodorant for Personal Use.
Claims use since Apr. 12, 1949.

Ser. No. 608,622. The Pharma-Craft Corporation, New York, N. Y. Filed Jan. 10, 1951.

Deny

For Cream Deodorant for Personal Use.
Claims use since Sept. 19, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 568,426. Theodore Churchey, doing business as Churchey Products Company, Brockton, Mass. Filed Nov. 9, 1948. (Classified in Class 4.)

MIRALUXE

For (1) a Wax Containing Liquid Cleaner Capable of Waxing an Automobile Finish Requiring Negligible Cleaning, (2) a Wax Containing Liquid Cleaner Capable of Cleaning and Waxing an Automobile Body Finish Requiring Considerable Cleaning, and (3) a Non-Cleaning Wax-Containing Liquid for Waxing an Automobile Finish; To Be Used in Combination With Either of the First Two Named Liquid Cleaners.
Claims use since Sept. 7, 1948.

Ser. No. 583,043. Klenzade Products, Incorporated, Beloit, Wis. Filed Aug. 5, 1949.

STER-KLEEN

Applicant disclaims the word "Kleen."
For Organic Detergents Compatible With Quaternary Ammonium Compounds.
Claims use since Sept. 1, 1947.

Ser. No. 595,320. B. Heller & Company, Chicago, Ill. Filed Apr. 6, 1950.

ZANZIBAR CARBON
IRONOL

The word "Carbon" is disclaimed.
For Cleaner and Lubricant for Flatwork Ironers and Presses.
Claims use since Aug. 25, 1949.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 549,767. The Blum Store, Philadelphia, Pa. Filed Nov. 12, 1947.

Debutante & Wedding Embassy

The lining shown on the drawing forms a part of the mark and does not indicate color. The words "Debutante & Wedding" are disclaimed.
For Advising and Assisting in Planning Debuts and Weddings and in Arranging for Flowers, Music, Stationery, and Photography for Such Functions.
Claims use since July 6, 1933.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 570,587. Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill. Filed Dec. 15, 1948.

SC SYNDICATE

The word "Syndicate" is disclaimed.
For Procuring Placement in Newspapers, in Radio Programs, and in Other Similar Media of News Picture Mats, Advertising Pieces in Dealer Ad Campaigns, and Publicity Releases.
Claims use since Jan. 3, 1941.

Ser. No. 570,588. Special Correspondents, Inc., sometimes doing business as S C Syndicate, Chicago, Ill. Filed Dec. 15, 1948.

SC

For Procuring Placement in Newspapers, in Radio Programs, and in Other Similar Media of News Picture Mats, Advertising Pieces in Dealer Ad Campaigns, and Publicity Releases.
Claims use since Jan. 3, 1941.

CLASS 104

COMMUNICATION

Ser. No. 570,745. Veterans Broadcasting Company, Houston, Tex. Filed Dec. 6, 1948.

Houston Hoedown

The word "Houston" is disclaimed.
For Radio Program Broadcasting Services.
Claims use since Feb. 18, 1948.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 595,186. The Bories Organization, Incorporated, New York, N. Y. Filed Apr. 4, 1950.

(No Drawing)

The Mark Comprises the Spoken Words "DEAN CAMERON"

The mark "Dean Cameron" is fanciful.
For Entertainment Service Rendered Through the Medium of a Radio Broadcast Program Consisting of Discussions of Topics of General Interest.
Claims use since Jan. 23, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,578. Piece Goods of Wool, Cotton, Rayon, Flax, and Nylon. Kanmak Textiles Inc., New York, N. Y. Filed May 5, 1947, Serial No. 521,897. Published Sept. 23, 1947. Class 42.

ACT OF 1920

These registrations are not subject to opposition.

444,579. (Class 39. Clothing.) Brandt Millinery Co., Inc., New York, N. Y. Filed May 5, 1947, Serial No. 521,852.

Marie Duval

The name "Marie Duval" is fanciful.
For Women's Hats.
Claims use since Apr. 17, 1937.

ACT OF 1946, PRINCIPAL REGISTER

549,112. Shoes, Particularly Children's Shoes, of Leather, Fabric, and Rubber, and Combinations Thereof. The Schiff Company, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio.
Original filed, act of 1905, May 17, 1946; amended to application under act of 1946, Principal Register, Sept. 5, 1947, Serial No. 502,336. Published July 10, 1951. Class 39.

549,113. Toy Tops, Toy Flutes, and Toys of the Bandalore Type. Orianna Metal Products, Inc., Philadelphia, Pa., assignee of Philip Cohen, trading under the name Orianna Metal Products Company. Original filed, act of 1905, Aug. 27, 1946; amended to application under act of 1946, Principal Register, Jan. 12, 1950, Serial No. 508,099. Published June 5, 1951. Class 22.

549,114. Tea and Coffee. Carter, Macy Company, Inc., New York, N. Y., assignee of Harry P. Kershaw, doing business as Kershaw Tea Co.
Original filed, act of 1905, Oct. 2, 1946; amended to application under act of 1946, Principal Register, Apr. 3, 1948, Serial No. 510,088. Published June 5, 1951. Class 46.

549,115. Buoyant Fish-Like Toys. Dolphin Toys, Mount Vernon, N. Y.
Original filed, act of 1905, Oct. 9, 1946; amended to application under act of 1946, Principal Register, Feb. 8, 1950, Serial No. 510,494. Published June 5, 1951. Class 22.

549,116. Candy. Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Original filed, act of 1905, Oct. 29, 1946; amended to application under act of 1946, Principal Register, Feb. 3, 1948, Serial No. 511,716. Published July 19, 1949. Class 46.

549,117. Fixing and Developing Compounds. Arkansas Company, Inc., Newark, N. J.
Original filed, act of 1905, Feb. 24, 1947; amended to application under act of 1946, Principal Register, July 18, 1950, Serial No. 517,955. Published July 17, 1951. Class 6.

549,118. Pork Rind Fish Bait. Lutz Pork Bait Co., Kansas City, Mo.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Aug. 2, 1948, Serial No. 522,230. Published June 5, 1951. Class 22.

549,119. Pork Rind Fish Bait. Lutz Pork Bait Co., Kansas City, Mo.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Aug. 2, 1948, Serial No. 522,234. Published June 5, 1951. Class 22.

549,120. Canned Cherries, Gooseberries, and Apples. Loveland Canning Corporation, Loveland, Colo.
Original filed, act of 1905, May 12, 1947; amended to application under act of 1946, Principal Register, Feb. 13, 1950, Serial No. 522,263. Published June 26, 1951. Class 46.

549,121. Canned Vegetables—Namely, Peas, Corn, Wax Beans, Pumpkin, Carrots, Beets, Peas and Carrots, and Lima Beans. Big Horn Canning Company, Cowley, Wyo.
Filed Aug. 13, 1947, Serial No. 531,191. Published June 26, 1951. Class 46.

549,122. Wheat Flour. Chickasha Milling Company, Chickasha, Okla.
Filed Sept. 24, 1947, Serial No. 535,483. Published Mar. 20, 1951. Class 46.

549,123. Suits, Trousers, Knickers, Topcoats, Overcoats, and Raincoats for Men and Boys. The J. L. Hudson Company, Detroit, Mich.
Filed Oct. 23, 1947, Serial No. 538,757. Published July 10, 1951. Class 39.

549,124. Custom-Made Metal Stampings of All Forms From Cold Sheet Metal as Specified by the Purchaser. HPL Manufacturing Company, Cleveland, Ohio.
Filed Dec. 20, 1947, Serial No. 544,997. Published Jan. 24, 1950. Class 14.

549,125. Fans for Ventilating and Heating. Bayley Blower Company, West Allis, Wis.
Filed Dec. 26, 1947, Serial No. 545,424. Published July 10, 1951. Class 34.

549,126. Canned Frozen Citrus Juices for Food Purposes. California Consumers Corporation, Los Angeles, Calif.
Filed Dec. 26, 1947, Serial No. 545,434. Published July 17, 1951. Class 46.

549,127. Canned Foods—Namely, Fruits, Vegetables, Mushrooms, Etc. Seeman Brothers, Inc., New York, N. Y.
Filed Dec. 26, 1947, Serial No. 545,540. Published June 5, 1951. Class 46.

549,128. Sausage—Namely, Lebanon Bologna. Swift & Company, Chicago, Ill.
Filed Jan. 8, 1948, Serial No. 546,528. Published June 26, 1951. Class 46.

549,129. Medicinal Preparation—Namely, a Liquid Digestant To Aid Digestion. R. J. Moran Co., Boston, Mass.
Filed Jan. 22, 1948, Serial No. 547,753. Published Oct. 19, 1948. Class 18.

549,130. Women's and Misses' Shoes of Leather or Fabric or Leather and Fabric. Oppenheim, Collins & Co., Inc., Wilmington, Del., Brooklyn, Buffalo, Garden City, and White Plains, N. Y., East Orange and Morristown, N. J., and Philadelphia, Pa.
Filed Nov. 26, 1947, Serial No. 549,394. Published July 17, 1951. Class 39.

549,131. Bowling Pins. United Last Company, Boston, Mass.
Filed Mar. 19, 1948, Serial No. 552,520. Published Apr. 4, 1950. Class 22.

549,132. Fishing Equipment—Namely, Artificial Flies and Artificial Fly Rod Lures. The Weber Lifelike Fly Co., also doing business as Weber of Stevens Point, Wisconsin, Stevens Point, Wis.
Filed Apr. 20, 1948, Serial No. 555,123. Published May 29, 1951. Class 22.

549,133. Metal Products—Namely, Zinc Metal in the Form of Slabs, Cakes, Bars, or Ingots. The American Metal Company, Limited, New York, N. Y.
Filed May 27, 1948, Serial No. 557,882. Published Apr. 25, 1950. Class 14.

549,134. Smoked and Cooked Hams, Smoked Picnics, Link and Bulk Sausage, Etc. The Smithfield Packing Company, Inc., Smithfield, Va.
Filed May 28, 1948, Serial No. 558,075. Published May 29, 1951. Class 46.

549,135. Meat Loaf, Cured and Smoked Ham, Etc. The Smithfield Packing Company, Inc., Smithfield, Va.
Filed May 29, 1948, Serial No. 558,173. Published May 29, 1951. Class 46.

549,136. Canned Potatoes. Vernon Canning Co., Los Angeles, Calif.
Filed July 13, 1948, Serial No. 561,275. Published June 5, 1951. Class 46.

549,137. Toilet Water, Perfume, Bath Oil, Powder-Filled Puffs, Etc. Gladys Gale Thompson, doing business as Gail Gordon, St. Louis, Mo., and New York, N. Y.
Filed July 14, 1948, Serial No. 561,351. Published June 19, 1951. Class 51.

549,138. Men's Leather Shoes. The Coward Shoe, Inc., New York, N. Y.
Filed July 20, 1948, Serial No. 561,725. Published July 17, 1951. Class 39.

549,139. Beef Tamales and Chili Con Carne. Wilson Products Company, Salt Lake City, Utah.
Filed July 22, 1948, Serial No. 561,963. Published July 3, 1951. Class 46.

549,140. Men's Shoes Constructed of Leather, Rubber, Fabric, or Combinations Thereof. Freeman Shoe Corporation, Beloit, Wis.
Filed July 29, 1948, Serial No. 562,463. Published July 10, 1951. Class 39.

549,141. Cookies. Holland-American Cooky Bakery, Paramount and Hynes, Calif.
Filed Aug. 13, 1948, Serial No. 563,338. Published May 29, 1951. Class 46.

549,142. Babbitt Metal. United American Metals Corporation, Brooklyn, N. Y.
Filed Sept. 27, 1948, Serial No. 565,978. Published July 17, 1951. Class 14.

549,143. Men's Suits. Hart Schaffner & Marx, Chicago, Ill.
Filed Oct. 4, 1948, Serial No. 566,401. Published July 10, 1951. Class 39.

549,144. Playing Cards Including Packaged Decks of Cards. Arthur C. Daman, Denver, Colo.
Filed Oct. 13, 1948, Serial No. 566,918. Published June 5, 1951. Class 22.

549,145. Playing Cards Including Packaged Decks of Cards. Arthur C. Daman, Denver, Colo.
Filed Oct. 13, 1948, Serial No. 566,919. Published June 5, 1951. Class 22.

549,146. Candy. Stephen F. Whitman & Son, Inc., Philadelphia, Pa.
Filed Oct. 28, 1948, Serial No. 567,823. Published May 15, 1951. Class 46.

549,147. Revolving-Tray Bakery Ovens. Industrial Oven and Equipment Company, Los Angeles, Calif.
Filed Nov. 15, 1948, Serial No. 568,800. Published July 3, 1951. Class 34.

549,148. Men's Suits, Coats, Vests, Trousers, Topcoats and Overcoats. Dover Lane Clothes, Inc., New York, N. Y.
Filed Nov. 27, 1948, Serial No. 569,510. Published July 17, 1951. Class 39.

549,149. Silicone Treated Polishing Tissues To Be Used in the Cleaning and Polishing of Glass Surfaces. Dow Corning Corporation, Midland, Mich.
Filed Dec. 3, 1948, Serial No. 569,828. Published July 3, 1951. Class 4.

549,150. Medicinal Preparation Used in the Treatment of Muscular Aches and Pains, Headaches, and Neuralgia. Harry P. Hannon, doing business as Hannon Medicines, Brookhaven, Miss.
Filed Oct. 19, 1948, Serial No. 570,025. Published July 17, 1951. Class 18.

549,151. Expanded Metal in Sheet Form and/or Partly Fabricated Shapes. United States Gypsum Company, Chicago, Ill.
Filed Dec. 6, 1948, Serial No. 570,069. Published July 17, 1951. Class 14.

549,152. Expanded Metal in Sheet Form and/or Partly Fabricated Shapes. United States Gypsum Company, Chicago, Ill.
Filed Dec. 6, 1948, Serial No. 570,070. Published July 17, 1951. Class 14.

549,153. Ground Tool Steel. Marshall Steel Company, Lisle, Ill.
Filed Jan. 5, 1949, Serial No. 571,648. Published July 17, 1951. Class 14.

549,154. Ground Tool Steel. Marshall Steel Company, Lisle, Ill.
Filed Jan. 5, 1949, Serial No. 571,649. Published July 17, 1951. Class 14.

549,155. Liquid Heating and Circulating Machines for Controlling the Temperature of Molds for Forming Plastics. Industrial Manufacturing Corp., Indianapolis, Ind.
Filed Jan. 22, 1949, Serial No. 572,568. Published July 3, 1951. Class 34.

549,156. Canned Fruits, Canned Vegetables, Canned Pineapple Juice, Etc. M. E. Horton, Inc., Washington, D. C.
Filed Jan. 24, 1949, Serial No. 572,661. Published June 19, 1951. Class 46.

549,157. Good Will, Educational, Congratulatory, Welcome, Get Well, Etcetera, Pamphlets Issued From Time to Time. Abbott Laboratories, North Chicago, Ill.
Filed Feb. 18, 1949, Serial No. 574,077. Published July 17, 1951. Class 38.

549,158. Leather Shoes and Insoles Therefor for Men. Adler Sons Shoe Corp., New York, N. Y.
Filed Mar. 22, 1949, Serial No. 575,829. Published July 10, 1951. Class 39.

549,159. Honey, Fruit Preserves, Jams, Etc. Airline Foods Corporation, Linden, N. J.
Filed Feb. 23, 1949, Serial No. 576,378. Published May 1, 1951. Class 46.

549,160. Filled Germicide and Insecticide Dispensers in the Nature of Non-Mechanical Pressure Type Canisters. Knapp-Monarch Company, St. Louis, Mo.
Filed May 2, 1949, Serial No. 578,085. Published Dec. 5, 1950. Class 6.

549,161. Fresh Citrus Fruits. Mountain View Fruit Association, also doing business as Mountain View Orange and Lemon Growers Assn., Upland, Calif.
Filed May 2, 1949, Serial No. 578,093. Published June 19, 1951. Class 46.

549,162. Surface Active Compositions for Use as Detergents. Monsanto Chemical Company, St. Louis, Mo.
Filed May 6, 1949, Serial No. 578,342. Published July 3, 1951. Class 52.

549,163. Sizing for the Treatment of Fabrics. Patek & Co., San Francisco, Calif.
Filed May 9, 1949, Serial No. 578,461. Published July 17, 1951. Class 6.

549,164. Parasiticides. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed May 19, 1949, Serial No. 579,089. Published July 17, 1951. Class 6.

549,165. Cheese Food. Purity Cheese Company, Mayville, Wis.
Filed May 19, 1949, Serial No. 579,130. Published June 26, 1951. Class 46.

549,166. Noodles. New Mill Noodle & Macaroni Co., Inc., Chicago, Ill.
Filed May 23, 1949, Serial No. 579,346. Published June 12, 1951. Class 46.

549,167. Journal Published Weekly. U. S. Government Advertiser, Inc., Washington, D. C.
Filed May 23, 1949, Serial No. 579,361. Published July 17, 1951. Class 38.

549,168. Perfume. Richard Hudnut, New York, N. Y.
Filed May 24, 1949, Serial No. 579,418. Published June 12, 1951. Class 51.

549,169. Cosmetic Kits Containing One or More of the Following Items: Foundation Lotion, Skin Freshener, Cream Rouge, Eye Shadow, Lipstick, Face Powder, Special Skin Cream, Cleansing Cream, Richard Hudnut, New York, N. Y.
Filed May 24, 1949, Serial No. 579,420. Published June 12, 1951. Class 51.

549,170. Medicinal Tablets for Use in the Treatment of Arterial Hypertension, Local Vasospasm, and Arteriosclerosis. Gertrud Palm, doing business as Palm Pharmacal Co., New York, N. Y., assignor to Arnold Palm, doing business as Palm Pharmacal Co., New York, N. Y.
Filed June 2, 1949, Serial No. 579,885. Published June 19, 1951. Class 18.

549,171. Soybean Meal for Livestock and Poultry Feed. Central Soya Company, Inc., Fort Wayne, Ind.
Filed June 7, 1949, Serial No. 580,047. Published June 26, 1951. Class 46.

549,172. Candies. Ida May Chocolates, Inc., Hewlett, N. Y.
Filed June 17, 1949, Serial No. 580,669. Published May 29, 1951. Class 46.

549,173. Water Ice or Sherbet Frozen on a Stick. Pennbrook Ice Cream Company, Philadelphia, Pa.
Filed July 1, 1949, Serial No. 581,438. Published July 17, 1951. Class 46.

549,174. Soap. Armour and Company, Chicago, Ill.
Filed July 12, 1949, Serial No. 581,792. Published July 3, 1951. Class 52.

549,175. Canned Vegetables. Morris Siegel, Wilkes-Barre, Pa.
Filed July 20, 1949, Serial No. 582,245. Published Nov. 21, 1950. Class 46.

549,176. Macaroni Food in the Form of Small Macaroni Rings. The Creamette Company, Minneapolis, Minn.
Filed Aug. 3, 1949, Serial No. 582,895. Published July 17, 1951. Class 46.

549,177. Marcaroni Food in the Form of Small Macaroni Rings. The Creamette Company, Minneapolis, Minn.
Filed Aug. 3, 1949, Serial No. 582,897. Published July 17, 1951. Class 46.

549,178. Quaternary Ammonium Compound Sanitizers Used for the Bactericidal Treatment of Food Handling Equipment, Utensils, Dishes, and Glassware and Also for General Deodorising Purposes. Klenzade Products Incorporated, Beloit, Wis.
Filed Aug. 5, 1949, Serial No. 583,042. Published July 17, 1951. Class 6.

549,179. Electrically Operated Air Conditioning Units—Namely, Units Which Circulate and Filter Air, Gas Fired Furnaces, Oil Burning Furnaces, and Combination Air Conditioning and Heating Units—Namely, Units Which Filter, Heat, and Circulate Cold Air and Circulate and Filter Warm Air. The Coroaire Heater Corporation, Cleveland, Ohio.
Filed Aug. 8, 1949, Serial No. 583,144. Published July 10, 1951. Class 34.

549,180. Table Syrup. Anheuser-Busch, Inc., St. Louis, Mo.
Filed Aug. 10, 1949, Serial No. 583,231. Published May 22, 1951. Class 46.

549,181. Canned Tomatoes. Schafer Farms, Elwood, Ind.
Filed Aug. 15, 1949, Serial No. 583,494. Published June 5, 1951. Class 46.

549,182. Aluminum Foil Sold in the Roll for Use in Lining Cooking Utensils to Directly Carry the Foods in the Lining, and for Covering and Wrapping Foods, Clothing, Utensils, and the Like. Nichols Wire and Aluminum Co., Davenport, Iowa.
Filed Aug. 17, 1949, Serial No. 583,610. Published July 17, 1951. Class 14.

549,183. Denatured Alcohol. Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co., and P. R. Distilling Co., Arecibo, P. R.
Filed Aug. 26, 1949, Serial No. 584,180. Published July 17, 1951. Class 6.

549,184. Denatured Alcohol. Puerto Rico Distilling Company, sometimes trading as Puerto Rico Distilling Co. and P. R. Distilling Co., Arecibo, P. R.
Filed Aug. 26, 1949, Serial No. 584,181. Published July 17, 1951. Class 6.

549,185. Antihistamine Preparation Intended for Use in the Treatment of Various Allergic Conditions. Abbott Laboratories, North Chicago, Ill.
Filed Sept. 2, 1949, Serial No. 584,373. Published June 19, 1951. Class 18.

549,186. Textile Chemical Specialty Serving as a Humectant for Textile Fibres and as a Starch Plasticizer in Textile Sizing Operations. Zimmerman Associates, Guilford College, N. C.
Filed Sept. 7, 1949, Serial No. 584,561. Published July 17, 1951. Class 6.

549,187. Mineral Supplement for Animal and Poultry Feeds. Victor Chemical Works, Chicago, Ill.
Filed Sept. 9, 1949, Serial No. 584,647. Published June 19, 1951. Class 18.

549,188. Games Comprising a Gameboard and Dice. Homer H. Gordon, Los Angeles, Calif.
Filed Sept. 19, 1949, Serial No. 585,018. Published May 29, 1951. Class 22.

549,189. Herbicides, Fungicides, and Insecticides. Monsanto Chemical Company, St. Louis, Mo.
Filed Sept. 19, 1949, Serial No. 585,028. Published July 17, 1951. Class 6.

549,190. Work Gloves, Made of Combination Leather and Fabric. Jasper Glove Company, Inc., Jasper, Ind.
Filed Sept. 20, 1949, Serial No. 585,071. Published July 17, 1951. Class 39.

549,191. Meats—Namely, Smoked Boneless Pork Butt. Oscar Mayer & Co., Inc., Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,177. Published June 19, 1951. Class 46.

549,192. Sausage, Made of Pork and Beef and Other Ingredients. Oscar Mayer & Co., Inc., Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,178. Published June 19, 1951. Class 46.

549,193. Ladies' Dresses Made of Crepe Cloth. Ladycraft Dresses, Inc., New York, N. Y.
Filed Sept. 24, 1949, Serial No. 585,288. Published July 17, 1951. Class 39.

549,194. Insecticidal Liquid To Impregnate Cloth, Paper, and Similar Containers for Food-Stuffs. McLaughlin Gormley King Company, Minneapolis, Minn.
Filed Sept. 26, 1949, Serial No. 585,340. Published July 17, 1951. Class 6.

549,195. Olive Oil; Combination of Olive Oil, Peanut Oil, and Corn Oil; and Combination of Peanut Oil and Olive Oil. Philip Buffa, doing business as Super Edible Oil Distributor, Brooklyn, N. Y., assignor to Super Edible Oil Distributor, Inc., New York, N. Y., a corporation of New York.
Filed July 29, 1949, Serial No. 585,476. Published June 19, 1951. Class 46.

549,196. Outlet Registers. General Electric Company, Schenectady, N. Y.
Filed Sept. 30, 1949, Serial No. 585,583. Published July 3, 1951. Class 34.

549,197. Canned Tomato Paste. West Coast Packing Corporation, Long Beach, Calif.
Filed Sept. 30, 1949, Serial No. 585,615. Published June 5, 1951. Class 46.

549,198. Children's Underdrawers or Under Pants. Associated Crib Diaper Companies, Inc., Chicago, Ill.
Filed Oct. 7, 1949, Serial No. 585,908. Published July 17, 1951. Class 39.

549,199. Children's Slippers. Blankette Corporation, New York, N. Y.
Filed Oct. 11, 1949, Serial No. 586,078. Published July 10, 1951. Class 39.

549,200. Cheese. Kraft Foods Company, Chicago, Ill.
Filed Oct. 14, 1949, Serial No. 586,288. Published June 19, 1951. Class 46.

549,201. Farm Feeds Consisting of Grain, Mill Feeds, and Vegetable and Animal Proteins for Poultry, Dairy, and Live Stock. Keystone Feed & Farm Products Corp., Connellsville, Pa.
Filed Oct. 20, 1949, Serial No. 586,599. Published June 5, 1951. Class 46.

549,202. Yarns, Threads, and Yarn and Thread Filaments. American Viscose Corporation, Philadelphia, Pa.
Filed Oct. 21, 1949, Serial No. 586,616. Published July 17, 1951. Class 43.

549,203. Rubber and Rubber-Canvas Boots, Shoes, Athletic Shoes, Oxfords, and Slipper-Type Shoes for Men, Boys, Youths, Women, and Misses. The Rubber Corporation of California, Garden Grove, Calif.
Filed Oct. 21, 1949, Serial No. 586,654. Published July 10, 1951. Class 39.

549,204. Infants' Shoes. Littonian Shoe Co., Littlestown, Pa.
Filed Nov. 1, 1949, Serial No. 587,114. Published July 10, 1951. Class 39.

549,205. Women's Clothing—Namely, Coats, Topcoats and Suits. Eagle Clothes, Inc., New York, N. Y.
Filed Sept. 19, 1949, Serial No. 587,145. Published July 10, 1951. Class 39.

549,206. Blowers. Eureka Williams Corporation, Bloomington, Ill.
Filed Nov. 2, 1949, Serial No. 587,221. Published July 3, 1951. Class 34.

549,207. Wheat Flour. The Mennel Milling Company, Fostoria and Toledo, Ohio.
Filed Nov. 4, 1949, Serial No. 587,344. Published June 13, 1950. Class 46.

549,208. Iron, Arsenic, and Strychnine Tonics. E. S. Miller Laboratories, Inc., Los Angeles, Calif.
Filed Nov. 8, 1949, Serial No. 587,496. Published June 26, 1951. Class 18.

549,209. Gloves Made of Leather and Fabric and Combinations Thereof. Fownes Bros. & Co. Inc., New York, N. Y.
Filed Nov. 9, 1949, Serial No. 587,544. Published July 17, 1951. Class 39.

549,210. Frozen Sea Foods Consisting of Cooked Frozen Shrimp, Scungilli (Conch), Mussels, Clam Chowder, Crabmeat, Lobster, Calamary (Squid). A. Ned. Quartararo, Brooklyn, N. Y.
Filed Nov. 15, 1949, Serial No. 587,818. Published July 17, 1951. Class 46.

549,211. Trimming for Clothing or for Millinery Purposes—Namely, Artificial Flowers, Etc. Centrotex, Akciová Společnost PRO Dovoz a Vývoz ČS. Textilního a Oděvního Průmyslu, also named Centrotex Ltd., Prague, Czechoslovakia.
Filed Nov. 17, 1949, Serial No. 587,933. Published June 26, 1951. Class 40.

549,212. Frozen Confection. John M. Bernards & Sons, Inc., San Leandro, Calif.
Filed Nov. 22, 1949, Serial No. 588,158. Published June 19, 1951. Class 46.

549,213. Cleansing Fluids for the Removal of Spots, etc. from Fabrics and the Like. Products Packaging, Inc., Cleveland, Ohio.
Filed Nov. 29, 1949, Serial No. 588,516. Published July 3, 1951. Class 52.

549,214. Toys—Namely, Model Airplane Kits, and Plastic Material in Dispensing Tubes and Blow-Pipes for Blowing Balloons. Testor Chemical Co., Rockford, Ill.
Filed Nov. 30, 1949, Serial No. 588,604. Published June 5, 1951. Class 22.

549,215. Candy. Marshall Field & Company, Chicago, Ill.
Filed Dec. 5, 1949, Serial No. 588,794. Published June 12, 1951. Class 46.

549,216. Monoesters of Polyhydric Alcohols. Distillation Products, Inc., Wilmington, Del., and Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.
Filed Dec. 14, 1949, Serial No. 588,920. Published July 17, 1951. Class 6.

549,217. Automatic Oil Burning Warm Air Furnaces. Montag Stove & Furnace Works, Portland, Oreg.
Filed Dec. 10, 1949, Serial No. 589,165. Published July 10, 1951. Class 34.

549,218. Surface Type Heat Exchangers, Direct Contact Heat Exchangers, Deaerating Heaters, Metallurgical Furnaces, Heated Dryers, Rotary Kilns, Vapor Condensers and Parts Thereof. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Dec. 14, 1949, Serial No. 589,299. Published July 3, 1951. Class 34.

549,219. Aluminum Wrapping Material for Frozen Food Products. Yorkville Paper Co., Inc., New York, N. Y.
Filed Dec. 14, 1949, Serial No. 589,357. Published July 17, 1951. Class 14.

549,220. Vitamin Preparation. George A. Breon & Company, Kansas City, Mo.
Filed Dec. 27, 1949, Serial No. 589,953. Published Oct. 17, 1950. Class 18.

549,221. Pharmaceutical Preparations—Namely, Athletic and Rub-down Liniment Preparations; Smelling Salts; an Effervescent Alkaline Granule Compound, Etc. The Cramer Chemical Co., Gardner, Kans.
Filed Dec. 27, 1949, Serial No. 589,955. Published June 26, 1951. Class 18.

549,222. Raw, Whole Yams. Dupuis Produce Company, Breaux Bridge, La.
Filed Dec. 27, 1949, Serial No. 589,961. Published May 29, 1951. Class 46.

549,223. Wax Acids Derived from the Oxidation of Heavy Petroleum Products. The Texas Company, New York, N. Y.
Filed Jan. 14, 1950, Serial No. 590,918. Published July 17, 1951. Class 6.

549,224. Powder Soluble in Solution and Containing Chlorophyll for Use in Medicines and Pharmaceutical Preparations, To Be Taken Internally, To Destroy Body Odors Arising From Stomach and Intestinal Gases. American Chlorophyll, Inc., Lake Worth, Fla., assignor to Glade Pharmacal Co., Dover, Del.
Filed Jan. 17, 1950, Serial No. 590,969. Published June 26, 1951. Class 18.

549,225. Magazines. The Petroleum Engineer Publishing Company, Dallas, Tex.
Filed Jan. 19, 1950, Serial No. 591,104. Published July 17, 1951. Class 38.

549,226. Pressure-Sensitive Electrical Insulating Tape. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Jan. 23, 1950, Serial No. 591,310. Published June 26, 1951. Class 21.

549,227. Medicinal Cream for Application to Human Skin. Colbtrans Co., Inc., Brooklyn, N. Y.
Filed Jan. 25, 1950, Serial No. 591,405. Published June 19, 1951. Class 18.

549,228. Insecticides. Community Exterminating Corp., New York, N. Y.
Filed Feb. 1, 1950, Serial No. 591,771. Published July 17, 1951. Class 6.

549,229. Footballs, Football Bladders, Handballs, and Handball Bladders, Skis, Ice Skates, Roller Skates, Bandy Sticks, Bandy Balls, and Tennis Balls. Aktiebolaget Cykelfabriken Monark, Varberg, Sweden.
Filed Feb. 7, 1950, Serial No. 592,062. Published June 12, 1951. Class 22.

549,230. Rifles, Shotguns, Pistols, Revolvers. Louis T. Orr, Jr., Chicago, Ill.
Filed Feb. 11, 1950, Serial No. 592,333. Published July 17, 1951. Class 9.

549,231. Board Game. Parker Brothers, Inc., Salem, Mass.
Filed Feb. 8, 1950, Serial No. 592,405. Published June 12, 1951. Class 22.

549,232. Spirally Laminated Paper Tubing, Etc. The Cleveland Container Company, Cleveland, Ohio.
Filed Feb. 14, 1950, Serial No. 592,737. Published July 3, 1951. Class 21.

549,233. Explosive Caps for Use in Toy Pistols. J. Halpern Company, Pittsburgh, Pa.
Filed Feb. 21, 1950, Serial No. 592,811. Published July 17, 1951. Class 9.

549,234. Frozen Fruit, Eggs, Mayonnaise, Salad Dressing, Sandwich Spread, Etc. Arctic Dairy Products Company, Kansas City, Mo.
Filed Feb. 23, 1950, Serial No. 592,859. Published May 8, 1951. Class 46.

549,235. LPG Fuel Butane, Propane, and Mixture of Liquefied Petroleum Gases.. KeyStone-Fleming, Inc., Lubbock, Tex.
Filed Mar. 1, 1950, Serial No. 593,224. Published June 19, 1951. Class 6.

549,236. Greeting Cards and Indicia for Greeting Cards. Moses A. Levin, doing business as Greet-A-Tab Company, Baltimore, Md.
Filed Mar. 2, 1950, Serial No. 593,278. Published July 3, 1951. Class 38.

549,237. Anglers' Fish Hook Holding Device. Frank E. Poetker, Azusa, Calif.
Filed Mar. 9, 1950, Serial No. 593,685. Published June 12, 1951. Class 22.

549,238. Corsets and Foundation Garments. Crescent Corset Company, Inc., Cortland, N. Y.
Filed Mar. 13, 1950, Serial No. 593,861. Published July 17, 1951. Class 39.

549,239. Corrosion Inhibitor; an Agent for Treating Crude Petroleum and Its Derivatives; an Agent for Preventing Deposition of Paraffin. Humble Oil & Refining Company, Houston, Tex.
Filed Mar. 21, 1950, Serial No. 594,324. Published July 17, 1951. Class 6.

549,240. Toy Building Blocks. Invention Sales Company, Lovelock, Nev., and Chicago, Ill.
Filed Mar. 22, 1950, Serial No. 594,381. Published June 12, 1951. Class 22.

549,241. Arms, Ammunition, Cartridge Cases, Etc. Imperial Chemical Industries Limited, London and Millbank, London, England.
Filed Mar. 28, 1950, Serial No. 594,779. Published July 17, 1951. Class 9.

549,242. Metal Stampings. Eastern Tool & Stamping Co., Saugus, Mass.
Filed Apr. 11, 1950, Serial No. 595,538. Published July 17, 1951. Class 14.

549,243. Automobile Body Polish. Karseal Corporation, Los Angeles, Calif.
Filed Apr. 15, 1950, Serial No. 595,788. Published July 3, 1951. Class 4.

549,244. Soluble Powdered Jelly Base for Making Pectin Jelly, Imitation Jellies, Jams, and Preserves. White-Stokes Co., Inc., Chicago, Ill.
Filed Apr. 15, 1950, Serial No. 595,803. Published July 3, 1951. Class 46.

549,245. Candy. Price Candy Company, Kansas City, Mo.
Filed Apr. 17, 1950, Serial No. 595,851. Published July 17, 1951. Class 46.

549,246. Medicinal and Pharmaceutical Preparations—Namely, Fluid Extracts, Etc. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 18, 1950, Serial No. 595,905. Published June 26, 1951. Class 18.

549,247. Artificial Fish Lures. Lipman Lures, Incorporated, St. Louis, Mo.
Filed Apr. 24, 1950, Serial No. 596,228. Published June 5, 1951. Class 22.

549,248. Spinning Type Fishing Reels. Myco, Inc., Ferndale, Mich.
Filed Apr. 24, 1950, Serial No. 596,232. Published June 5, 1951. Class 22.

549,249. Pharmaceutical Preparation Designed for Treatment of Essential Hypertension and for the Prevention of Attacks in Angina Pectoris. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,598. Published June 26, 1951. Class 18.

549,250. Golf Clubs. Power Plus Products Ltd., Winnipeg, Manitoba, Canada.
Filed May 1, 1950, Serial No. 596,688. Published May 29, 1951. Class 22.

549,251. Medicinal Preparation of Cyclopentamine Hydrochloride Used as a Vasconstrictor in the Treatment of Nasal Congestion. Eli Lilly and Company, Indianapolis, Ind.
Filed May 5, 1950, Serial No. 596,928. Published June 19, 1951. Class 18.

549,252. Periodical. Clissold Publishing Co., Chicago, Ill.
Filed May 8, 1950, Serial No. 597,066. Published July 3, 1951. Class 38.

549,253. Storage Batteries and Battery Boxes. The General Tire & Rubber Company, Akron, Ohio.
Filed May 12, 1950, Serial No. 597,335. Published June 26, 1951. Class 21.

549,254. Ladies' and Children's Shoes. Phyllis Shoe Company, Inc., Lowell, Mass.
Filed May 15, 1950, Serial No. 597,457. Published July 17, 1951. Class 39.

549,255. Liquid Wax Having Polishing and Cleaning Properties for Floors, Linoleum, Etc. The Beacon Company, Boston, Mass., assignor to The Beacon Company, Boston, Mass., a corporation of Massachusetts.
Filed May 24, 1950, Serial No. 597,996. Published July 3, 1951. Class 4.

549,256. Crib and Carriage Toys—Namely, Rattles, and Combined Hanging Toys and Rattles. Plastic Playthings Inc., White Plains, N. Y.
Filed June 7, 1950, Serial No. 598,751. Published May 29, 1951. Class 22.

549,257. Calcium Soaps of Soya-Bean Fatty Acids. The Harshaw Chemical Company, Cleveland, Ohio.
Filed June 8, 1950, Serial No. 598,795. Published June 12, 1951. Class 6.

549,258. Surgical Cleanser for Metal, Glass, or Rubber. Will Ross, Inc., Milwaukee, Wis.
Filed June 16, 1950, Serial No. 599,264. Published July 3, 1951. Class 52.

549,259. Artificial Fishing Lures. Erne St. Claire, Inc., Portland, Oreg.
Filed June 19, 1950, Serial No. 599,392. Published May 29, 1951. Class 22.

549,260. Fertilizers. Will J. Hoover, doing business as Hoover Soil Service, Gilman, Ill.
Filed June 21, 1950, Serial No. 599,515. Published July 17, 1951. Class 10.

549,261. Lamp Shades, Primarily Intended for Electrical Lamps. Rembrandt Lamp Corporation, Chicago, Ill.
Filed June 22, 1950, Serial No. 599,587. Published June 26, 1951. Class 21.

549,262. Oral Preparation in Capsule Form Indicated in the Treatment of Certain Anemic Conditions. Abbott Laboratories, North Chicago, Ill.
Filed June 26, 1950, Serial No. 599,732. Published June 26, 1951. Class 18.

549,263. Pickled Peppers and Relish, the Ingredients of Which Are Cabbage, Onions, Sweet Peppers, Hot Peppers, Sugar, Vinegar, and Spices. Shadowland Food Co., Inc., San Angelo, Tex.
Filed June 29, 1950, Serial No. 599,982. Published June 5, 1951. Class 46.

549,264. Men's and Youths' Boots, Shoes, and Slippers. John White Footwear Limited, Higham Ferrers, Northamptonshire, England.
Filed July 5, 1950, Serial No. 600,238. Published July 17, 1951. Class 39.

549,265. Artificial Fishing Decoys and Plugs. Justin Guy Ammon, trading as Guy Ammon, Rehoboth Beach, Del.
Filed July 6, 1950, Serial No. 600,250. Published May 29, 1951. Class 22.

549,266. Candy. Svenska Chokladfabriks Aktiebolaget Cloetta, Ljungsbro, Sweden.
Filed July 13, 1950, Serial No. 600,626. Published June 19, 1951. Class 46.

549,267. Ice Cream Mixes. Interstate Creamery, Inc., New Castle, Pa.
Filed July 19, 1950, Serial No. 600,891. Published June 5, 1951. Class 46.

549,268. Mattresses but Not Including Mattresses or Cushions for Use on Boats. Shifman Bros., Newark, N. J.
Filed July 19, 1950, Serial No. 600,921. Published May 15, 1951. Class 32.

549,269. Iron Tablet. Special Milk Products, Inc., Los Angeles, Calif., now by change of name Jackson-Mitchell Pharmaceuticals, Inc., a corporation of California.
Filed July 20, 1950, Serial No. 600,993. Published June 12, 1951. Class 18.

549,270. Canned Apple Sauce. Sebastopol Apple Growers' Union, Sebastopol, Calif.
Filed July 25, 1950, Serial No. 601,235. Published June 19, 1951. Class 46.

549,271. Candy on a Stick. J. Rubin Sons Inc. of Chicopee, Chicopee, Mass.
Filed July 29, 1950, Serial No. 601,468. Published July 3, 1951. Class 46.

549,272. Liquid Preparation Used for the Relief of Nausea and Vomiting. Nyrope, Inc., New York, N. Y.
Filed Aug. 3, 1950, Serial No. 601,686. Published June 26, 1951. Class 18.

549,273. Refrigeration Packaging Products — Namely, Aluminum Wrapping Foil. International Harvester Company, Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 601,791. Published July 17, 1951. Class 14.

549,274. Fishing Rods. James Heddon's Sons, Dowagiac, Mich.
Filed June 19, 1950, Serial No. 601,862. Published June 5, 1951. Class 22.

549,275. Fresh Vegetables. Guadalupe Vegetable Farms, Guadalupe, Calif.
Filed Aug. 14, 1950, Serial No. 602,150. Published June 5, 1951. Class 46.

549,276. Blouses, Skirts, Dresses, and Suits for Women, Misses, and Juniors. Trachtenbergs, Washington, D. C.
Filed Aug. 14, 1950, Serial No. 602,175. Published July 17, 1951. Class 39.

549,277. Frozen Confections on a Stick or Handle. Bertrand L. York, Piedmont, Calif.
Filed Aug. 15, 1950, Serial No. 602,238. Published July 17, 1951. Class 46.

549,278. Fashion Periodical. Rosenthal Ackerman Millinery Company, St. Louis, Mo.
Filed Aug. 17, 1950, Serial No. 602,337. Published July 3, 1951. Class 38.

549,279. Tablets or Discs Containing Predetermined Amounts of Different Antibiotics and Used for Diagnostic Purposes. Commercial Solvents Corporation, New York, N. Y.
Filed Aug. 21, 1950, Serial No. 602,495. Published June 26, 1951. Class 18.

549,280. Dry Mix for Making Rolls, Cake, and Biscuits. Lucille B. Smith, doing business as Lucille B. Smith Company, Fort Worth, Tex.
Filed Aug. 24, 1950, Serial No. 602,722. Published June 5, 1951. Class 46.

549,281. Women's Slips, Petticoats, and Nightgowns. Radelle Lingerie Corporation, Long Island City, N. Y.
Filed Aug. 30, 1950, Serial No. 602,971. Published July 17, 1951. Class 39.

549,282. Canvas and Rubber Footwear—Namely, Children's Sneakers and Play Shoes. Randolph Manufacturing Company, Incorporated, Randolph, Mass.
Filed Aug. 30, 1950, Serial No. 602,972. Published July 17, 1951. Class 39.

549,283. Ice Cream Sundaes. Asselin Creamery Company, Norway, Mich.
Filed Sept. 1, 1950, Serial No. 603,040. Published July 3, 1951. Class 46.

549,284. Rifle Cartridges. Gamble-Skogmo, Inc., Minneapolis, Minn.
Filed Sept. 1, 1950, Serial No. 603,056. Published July 17, 1951. Class 9.

549,285. Ventilating Fans and Floor Furnaces. The Murray Company of Texas, Inc., Dallas, Tex.
Filed Sept. 1, 1950, Serial No. 603,076. Published July 3, 1951. Class 34.

549,286. Colors for Printing Inks. Ansbacher-Siegle Corporation, New York and Rosebank, N. Y.
Filed July 29, 1950, Serial No. 603,099. Published July 10, 1951. Class 11.

549,287. Material Used in Connection With Underfloor Electric Wiring, Etc. National Electric Products Corporation, Pittsburgh, Pa.
Filed Aug. 18, 1950, Serial No. 603,140. Published June 26, 1951. Class 21.

549,288. Shoe Welts. Wright-Batchelder Corporation, Boston, Mass.
Filed Sept. 8, 1950, Serial No. 603,324. Published July 17, 1951. Class 39.

549,289. Electrical Filters, Interference Eliminators, and Electrical Capacitors. Cornell-Dubilier Electric Corporation, South Plainfield, N. J.
Filed Sept. 12, 1950, Serial No. 603,439. Published July 10, 1951. Class 21.

549,290. Aluminum Foil. Cochran Foil Company, Louisville, Ky.
Filed Sept. 19, 1950, Serial No. 603,731. Published July 17, 1951. Class 14.

549,291. Periodical Publication. F. Burr Tillstrom, Chicago, Ill.
Filed Sept. 21, 1950, Serial No. 603,866. Published July 17, 1951. Class 38.

549,292. Periodical Publication. F. Burr Tillstrom, Chicago, Ill.
Filed Sept. 21, 1950, Serial No. 603,867. Published July 17, 1951. Class 38.

549,293. Electric Heating Elements for Radiant Heaters. Eagle Electric Mfg. Co. Inc., New York and Long Island City, N. Y.
Filed Sept. 26, 1950, Serial No. 603,987. Published June 26, 1951. Class 21.

549,294. Trade Periodicals. National Standard Parts Association, Chicago, Ill.
Filed Sept. 26, 1950, Serial No. 604,020. Published July 3, 1951. Class 38.

549,295. Ladies' and Girls' Shoes. I. Miller & Sons, Inc., Long Island City, N. Y.
Filed Sept. 29, 1950, Serial No. 604,211. Published July 17, 1951. Class 39.

549,296. All-Purpose Tables and Invoice Desks. G. H. Bishop Company, Chicago, Ill.
Filed Oct. 3, 1950, Serial No. 604,351. Published July 3, 1951. Class 32.

549,297. Liquid Anti-Static Agent. Roxbury Chemical Works, Inc., Fall River, Mass., and Centredale, R. I.
Filed Oct. 6, 1950, Serial No. 604,550. Published July 17, 1951. Class 6.

549,298. Doll Garment Hangers. Holtz & Son, Inc., Yonkers, N. Y.
Filed Oct. 9, 1950, Serial No. 604,637. Published May 29, 1951. Class 22.

549,299. Sheet and Strip Steel. Detroit Steel Corporation, Detroit, Mich.
Filed Oct. 10, 1950, Serial No. 604,690. Published July 17, 1951. Class 14.

549,300. Salted Edible Food Product Composed of Bread Particles Fried in Deep Fat. Sneex, Inc., Columbus, Ohio.
Filed Oct. 10, 1950, Serial No. 604,707. Published July 17, 1951. Class 46.

549,301. Deodorant, Disinfectant and Mold Preventative for Use in Embalming. Undertakers Supply Co., Chicago, Ill.
Filed Oct. 11, 1950, Serial No. 604,752. Published July 17, 1951. Class 6.

549,302. Deodorant and Tissue Sealer for Use in Embalming. Undertakers Supply Co., Chicago, Ill.
Filed Oct. 11, 1950, Serial No. 604,753. Published July 17, 1951. Class 6.

549,303. Steel and Alloy Steel in Ingot, Billet, Bloom, Bar, Tube, and Other Forms. The Timken Roller Bearing Company, Canton, Ohio.
Filed Oct. 13, 1950, Serial No. 604,870. Published July 17, 1951. Class 14.

549,304. Ladies' and Misses' Shoes of Leather, Rubber, Fabric, or Combinations Thereof. American Girl Shoe Co., Boston, Mass.
Filed Oct. 14, 1950, Serial No. 604,894. Published July 17, 1951. Class 39.

549,305. Hog Cholera Vaccine. American Cyanamid Company, New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,006. Published June 26, 1951. Class 18.

549,306. Antirheumatic, Analgesic, Antipyretic Preparation. Geigy Company, Inc., New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,023. Published June 26 1951. Class 18.

549,307. Organic Iodine Compound Used as a Radiopaque Medium for X-Ray Examination. Winthrop-Stearns Inc., New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,083. Published June 26, 1951. Class 18.

549,308. Comic Drawings Published in Sunday Newspapers. United Feature Syndicate, Inc., New York, N. Y.
Filed Oct. 21, 1950, Serial No. 605,275. Published July 3, 1951. Class 38.

549,309. Comic Magazines Containing Western Cowboy Stories. Nation-Wide Publishing Corp., Chicago, Ill.
Filed Oct. 23, 1950, Serial No. 605,324. Published July 3, 1951. Class 38.

549,310. Published News Column. Doris Koenig, Beverly Hills, Calif.
Filed Oct. 23, 1950, Serial No. 605,340. Published July 3, 1951. Class 38.

549,311. Raw Unshelled Peanuts. The Suffolk Peanut Company, Suffolk, Va.
Filed Oct. 24, 1950, Serial No. 605,379. Published July 17, 1951. Class 46.

549,312. Books. Wonder Books, Inc., New York, N. Y.
Filed Oct. 24, 1950, Serial No. 605,387. Published July 3, 1951. Class 38.

549,313. Antacid. William H. Rorer, Inc., Philadelphia, Pa.
Filed Oct. 27, 1950, Serial No. 605,494. Published June 26, 1951. Class 18.

549,314. Periodical Publication Devoted to Dog Training. Calvin N. Pierson, Hyattsville, Md.
Filed Oct. 26, 1950, Serial No. 605,529. Published July 3, 1951. Class 38.

549,315. Vermifuge for Animals. Barnes Laboratory, Inc., Gardena, Calif.
Filed Oct. 28, 1950, Serial No. 605,545. Published June 19, 1951. Class 18.

549,316. Fire Brick. A. P. Green Fire Brick Company, Mexico, Mo.
Filed Oct. 30, 1950, Serial No. 605,581. Published June 12, 1951. Class 12.

549,317. Refractory Mortar. A. P. Green Fire Brick Company, Mexico, Mo.
Filed Oct. 30, 1950, Serial No. 605,582. Published June 12, 1951. Class 12.

549,318. Water Heaters. Regal Heater Corporation, Los Angeles, Calif.
Filed Sept. 18, 1950, Serial No. 605,699. Published July 3, 1951. Class 34.

549,319. Brassières. Peter Pan Foundations, Inc., New York, N. Y.
Filed Nov. 1, 1950, Serial No. 605,762. Published July 17, 1951. Class 39.

549,320. Women's Undergarments—Namely, Panties. Plymouth Undergarment Co., New York, N. Y.
Filed Nov. 1, 1950, Serial No. 605,764. Published July 17, 1951. Class 39.

549,321. Steel Wire for Manufacturing Purposes. The American Steel and Wire Company of New Jersey, Cleveland, Ohio.
Filed Nov. 9, 1950, Serial No. 606,112. Published July 17, 1951. Class 14.

549,322. Gray Iron Castings, Specifically Castings for Parts of Electric Motors and Generators, Air Compressors, Gasoline Pumps, and Builders' Hardware. The Decatur Casting Company, Hamilton, Ohio.
Filed Nov. 25, 1950, Serial No. 606,935. Published July 17, 1951. Class 14.

549,323. Trolling Spoons. Lester M. Davis, doing business as Davis Fishing Tackle Co., Tacoma, Wash.
Filed Dec. 9, 1950, Serial No. 607,491. Published June 5, 1951. Class 22.

549,324. Balloons, and Inflatable Rubber Balls. The Pioneer Rubber Company, Willard, Ohio.
Filed Dec. 13, 1950, Serial No. 607,640. Published June 5, 1951. Class 22.

549,325. Spark Plug Cores. Thomas A. Edison, Incorporated, West Orange, N. J.
Filed Dec. 29, 1950, Serial No. 608,203. Published July 10, 1951. Class 21.

549,326. Fishing Tackle—Namely, Snelled Hooks, Lures, Leaders (Nylon and Wire), Spinners, and Specialties (Swivels, Snap Swivels, Safety Links, Leather Thongs, and Fish Stringers). Pequea Works, Inc., Strasburg, Pa.
Filed Jan. 3, 1951, Serial No. 608,323. Published June 12, 1951. Class 22.

549,327. Photoelectric Cells and Their Actuating Circuits and Parts Thereof Adapted for Use in High Speed Instant Operation of Automatic Sprinkler Systems. "Automatic" Sprinkler Corporation of America, Youngstown, Ohio.
Filed Jan. 17, 1951, Serial No. 608,854. Published July 10, 1951. Class 21.

549,328. Domestic Gas Ranges, Gas Trailer Ranges, Etc. Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Filed Jan. 20, 1951, Serial No. 609,051. Published July 3, 1951. Class 34.

549,329. Radio and Television Receiving Sets. The Hallicrafters Co., Chicago, Ill.
Filed Feb. 6, 1951, Serial No. 609,681. Published July 17, 1951. Class 21.

549,330. Women's Shoes. John Irving Shoe Corporation, Boston, Mass.
Filed Feb. 9, 1951, Serial No. 609,862. Published July 17, 1951. Class 39.

549,331. Steam Boilers. The Nebraska Boiler and Supply Co., Lincoln, Nebr.
Filed Feb. 17, 1951, Serial No. 610,223. Published July 10, 1951. Class 34.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

549,332. (Class 46. Foods and Ingredients of Foods.) The Shelby Gum Company, Shelby, Ohio. Original filed, act of 1905, Feb. 28, 1947; amended to application under act of 1946, Principal Register, July 29, 1949; amended to Supplemental Register Jan. 22, 1951, Serial No. 518,327.

Super-Duper

For Chewing Gum.
Claims use since Feb. 7, 1947.

549,333. (Class 31. Filters and Refrigerators.) Petersen Show Case & Fixture Company, Los Angeles, Calif. Original filed, act of 1905, Mar. 1, 1947; amended to application under act of 1946, Supplemental Register, Nov. 18, 1948, Serial No. 518,449.

Petersen SHOW CASE & FIXTURE COMPANY

For Cold Tables for Holding and Refrigerating Foods.
Claims use since Sept. 9, 1946.

549,334. (Class 16. Paints and Painters' Materials.) Seidlitz Paint & Varnish Co., Kansas City, Mo. Original filed, act of 1946, Principal Register, Sept. 29, 1947; amended to application, Supplemental Register, Aug. 17, 1950, Serial No. 536,158.

UNDERSEAL

For Liquid Primer for Surfaces To Be Painted.
Claims use since Oct. 15, 1937.

549,335. (Class 10. Fertilizers.) Soiltone Fertilizer Co. of Lincoln, Lincoln, Nebr. Original filed, act of 1946, Principal Register, Jan. 9, 1948; amended to application, Supplemental Register, May 9, 1950, Serial No. 546,624.

Soiltone

The drawing is lined for shading. The representation of color is disclaimed.
For Organic Fertilizers.
Claims use since Mar. 1, 1947.

549,336. (Class 46. Foods and Ingredients of Foods.) El Cajon Valley Citrus Association, El Cajon, Calif. Original filed, act of 1946, Principal Register, June 25, 1948; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 560,194.

Dependable

Applicant claims ownership of Registration No. 239,180.
For Fresh Citrus Fruits.
Claims use since Apr. 15, 1926.

549,337. (Class 39. Clothing.) Dorothy R. Appel, Carmi Ill. Original filed, act of 1946, Principal Register, Aug. 25, 1948; amended to application, Supplemental Register, May 9, 1951, Serial No. 564,091.

SLENDER SLAX

For Women's Sport Apparel—Namely, Shorts, Slacks, Jodhpurs, and Other Types of Feminine Apparel in the Nature of Trousers or Pants.
Claims use since July 1, 1948.

549,338. (Class 46. Foods and Ingredients of Foods.) Loma Linda Food Company, Arlington, Calif. Original filed, act of 1946, Principal Register, Aug. 28, 1948; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 564,335.

Vegemeat
BURGER

For Minced Gluten Steaks, Made From Gluten of Wheat, Soy Flour, Yeast Extract, Salt, Corn Sugar, Onions, Celery, Parsley, Seasonings, and Water.
Claims use since July 1, 1932.

549,339. (Class 46. Foods and Ingredients of Foods.) Loma Linda Food Company, Arlington, Calif. Original filed, act of 1946, Principal Register, Aug. 28, 1948; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 564,336.

Vegemeat
Steaks

For Vegetarian Cutlets, Made From Gluten of Wheat, Soy Sauce,, Yeast Extract, Salt, Corn Sugar, Onions, Celery, Parsley, Seasoning, and Water.
Claims use since July 1, 1932.

549,340. (Class 16. Paints and Painters' Materials.) The Foy Paint Company, Inc., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Nov. 26, 1948; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 569,447.

ONCE-OVER

For Flat Wall Paint.
Claims use since 1930.

549,341. (Class 6. Chemicals and Chemical Compositions.) Corn Products Refining Company, New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 12, 1949; amended to application, Supplemental Register, Apr. 27, 1950, Serial No. 573,760.

LINIT LINIT LINIT
PERFECT LAUNDRY STARCH

Applicant claims ownership of Registrations Nos. 161,102, 189,428, 253,669, 281,835, and 356,435.
For Starch for Laundry Purposes.
Claims use since February 1941.

549,342. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Crompton Company, Crompton, R. I. Original filed, act of 1946, Principal Register, Feb. 16, 1949; amended to application, Supplemental Register, Dec. 29, 1950, Serial No. 573,926.

VALOIS

For Velvet Fabrics in the Piece Composed of Cotton, Silk, and Synthetic Fibers.
Claims use since Jan. 13, 1949.

549,343. (Class 26. Measuring and Scientific Appliances.) Foster Grant Co. Inc., Leominster, Mass. Original filed, act of 1946, Principal Register, May 11, 1949; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 578,588.

Danglors

For Flexible Bands Provided With Grips for Engaging the Ends of the Temples of Pairs of Spectacles and Supporting the Spectacles About the Neck of the Wearer.
Claims use since Apr. 22, 1949.

549,344. (Class 1. Raw or Partly Prepared Materials.) C. Leland Monier & Sons, Sparland, Ill. Original filed, act of 1946, Principal Register, Aug. 2, 1949; amended to application, Supplemental Register, Oct. 4, 1950, Serial No. 582,848.



The drawing is lined for red and blue.
For Seed Corn.
Claims use since Apr. 1, 1949.

549,345. (Class 6. Chemicals and Chemical Compositions.) Wright Chemical Corporation, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 6, 1949; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 585,880.

Wright

For Chemical Compositions for Use in Aqueous and Other Liquid Systems for Inhibition of Corrosion, Prevention of Scale Formation, Reduction of Acidity, and the Control of Algae.
Claims use since August 1946.

549,346. (Class 1. Raw or Partly Prepared Materials.) Sinclair Coal Company, Kansas City, Mo. Original filed, act of 1946, Principal Register, Nov. 21, 1949; amended to application, Supplemental Register, July 20, 1951, Serial No. 588,147.



The drawing is lined for red. All wording is disclaimed.
For Coal.
Claims use since Aug. 1, 1949.

549,347. (Class 37. Paper and Stationery.) Eberhard Faber Pencil Company, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Feb. 15, 1950; amended to application, Supplemental Register, July 17, 1951, Serial No. 592,484.

THINRITE

For Lead Pencils, Pencil Leads; and Pen and Pencil Set, Consisting of Fountain Pen and Mechanical Pencil.
Claims use since Feb. 7, 1950.

549,348. (Class 19. Vehicles.) The Heil Co., Milwaukee, Wis. Original filed, act of 1946, Principal Register, Mar. 18, 1950; amended to application, Supplemental Register, Mar. 9, 1951, Serial No. 594,219.

CONVEYO-PAK

Applicant claims ownership of Registration No. 420,114.
For Refuse Bodies Devised for Mounting on Vehicles.
Claims use since September 1949.

549,349. (Class 38. Prints and Publications.) American Medical Association, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 6, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 595,298.

today's health

For Monthly Magazine.
Claims use since Feb. 23, 1950.

549,350. (Class 38. Prints and Publications.) Ostrander-Sams Corporation, Waukegan, Ill. Filed May 25, 1950, Serial No. 598,102.

Let our cards express your thoughts

For Greeting Cards.
Claims use since August 1948.

549,351. (Class 21. Electrical Apparatus, Machines, and Supplies.) Lectro-Weld, Inc., Cleveland, Ohio. Original filed, act of 1946, Principal Register, July 6, 1950; amended to application, Supplemental Register, Apr. 13, 1951, Serial No. 600,290.

LECTRO
PAINT-PEELER

For Electrically Heated Tools for Removing Paint.
Claims use since Dec. 10, 1949.

549,352. (Class 38. Prints and Publications.) Frederick Kogos, doing business as Frederick Kogos Publishing Company, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 28, 1950; amended to application, Supplemental Register, June 6, 1951, Serial No. 604,156.

WHO'S WHO
in designing

For Directories Published at Irregular Intervals.
Claims use since Oct. 1, 1948.

549,353. (Class 37. Paper and Stationery.) Winthrop-Atkins Co., Inc., Middleboro, Mass. Filed Dec. 6, 1950, Serial No. 607,365.

SUPER PAK

For Photograph Albums and Covers Therefor.
Claims use since Apr. 14, 1949.

549,354. (Class 12. Construction Materials.) Rock Island Millwork Company, Rock Island, Ill. Filed Feb. 9, 1951, Serial No. 609,882.

RESINWOOD

For Synthetic Lumber Formed of Resin-Bound Granulated Wood, Paneling of Such Material, and Doors Comprising Such Material.
Claims use since Sept. 6, 1949.

549,355. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Sears, Roebuck and Co., Chicago, Ill. Filed Apr. 12, 1951, Serial No. 612,562.

VANDERBILT

For Textile Rugs and Carpeting.
Claims use since Nov. 1, 1949.

Service Marks

549,356. (Class 104. Communication.) Joseph P. Ernst, doing business as Radio Station KWRL, Riverton, Wyo. Original filed, act of 1946, Principal Register, Sept. 29, 1948; amended to application, Supplemental Register, Feb. 10, 1950, Serial No. 566,304.

(No Drawing)

The Mark Comprises the Spoken Words "The Voice of Fremont County"

For Radio Program Broadcasting.
Claims use since July 2, 1948.

549,357. (Class 100. Miscellaneous.) Do-Nut Dinette, Inc., Charlotte, N. C. Original filed, act of 1946, Principal Register, Mar. 11, 1949; amended to application, Supplemental Register, Jan. 12, 1951, Serial No. 575,257.

DO-NUT DINETTE

For Serving of Foods and Beverages in Restaurants.
Claims use since Mar. 15, 1948.

TRADE-MARK REGISTRATIONS RENEWED

36,833. "HIAWATHA" AND DESIGN. Registered July 30, 1901, to Stone-Ordean-Wells Co., Duluth, Minn. Re-renewed July 30, 1951, to Milford Canning Company, Milford, Ill., a corporation of Illinois. Canned Vegetables, Fruits, Fish, Oysters, Lobsters, and Other Sea-Food, Meats, Evaporated or Condensed Cream and Milk, and Soups. Class 46.

36,871. "MOUNTAIN VALLEY WATER" ETC. AND DRAWING. Registered Aug. 6, 1901. Mountain Valley Springs Company, Hot Springs, Ark. Re-renewed Aug. 6, 1951, to Mountain Valley Spring Company, St. Louis, Mo., a corporation of Arkansas. Water. Class 45.

81,498. ROSEMERE. Registered Apr. 18, 1911. Boston Molasses Co. Re-renewed Apr. 18, 1951, to Boston Molasses Company, Boston, Mass., a corporation of Massachusetts. Molasses. Class 46.

82,703. MACKINTOSH. Registered July 18, 1911. John Mackintosh, Limited. Re-renewed July 18, 1951, to John Mackintosh & Sons Limited, Halifax, England, a limited liability company organized under the laws of Great Britain. Toffee. Class 46.

83,081. METROPOLITAN. Registered Aug. 15, 1911. Metropolitan Electric Mfg. Co., New York, N. Y. Re-renewed Aug. 15, 1951, to Metropolitan Electric Mfg. Co., Long Island City, N. Y., a corporation of New Jersey. Electric Wall and Knife Switches, Panel-Boards, Switchboards, Fuse-Blocks, and Cut-Out Boxes. Class 21.

83,639. MAZOLA. Registered Oct. 3, 1911. Corn Products Refining Company, Jersey City, N. J., and New York, N. Y. Re-renewed Oct. 3, 1951, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. Edible Corn-Oil. Class 46.

83,754. MACWHYTE. Registered Oct. 10, 1911. Macomber & Whyte Rope Company, Chicago, Ill. Re-renewed Oct. 10, 1951, to Macwhyte Company, Kenosha, Wis., a corporation of Wisconsin. Wire Rope. Class 7.

84,106. "ANACAHUITA" ETC., AND DESIGN. Registered Nov. 7, 1911. Lanman & Kemp. Re-renewed Nov. 7, 1951, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. Pectoral Compound for Pulmonary Affections, Coughs, Asthma, Bronchitis, Incipient Consumption; and an Anodyne. Class 18.

84,323. COUNTRY CLUB. Registered Nov. 28, 1911. The Kroger Grocery & Baking Co. Re-renewed Nov. 28, 1951, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Wheat Flour, Canned Vegetables, and Canned Pork and Beans. Class 46.

84,405. REPRESENTATION OF ARAB ON HORSEBACK WITHIN CIRCLE DESIGN. Registered Dec. 12, 1911. M. C. Peters Mill Co., Omaha, Nebr. Re-renewed Dec. 12, 1951, to Allied Mills, Inc., Chicago, Ill., a corporation of Indiana. Feed Composed of Various Grains and Ground Hay or Alfalfa Treated With Sugar or Molasses and Used as a Stock and Poultry Food. Class 46.

84,536. "SEN-SEN" ETC. AND DRAWING. Registered Dec. 19, 1911. Sen-Sen Chiclet Company, New York, N. Y. Re-renewed Dec. 19, 1951, to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey. Chewing-Gum and Cachous. Class 46.

251,095. PRAESTABIT. Registered Dec. 25, 1928. Chemische Fabrik Stockhausen & Cie., Krefeld, Germany, a corporation organized and existing under the laws of Germany. Renewed Dec. 25, 1948. Dyes and Dyestuffs, Chemical Products for Making Dyeings and Colorings Fast to Rubbing, Etc. Class 6.

281,625. RITEX. Registered Mar. 24, 1931. General Refractories Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 24, 1951. Refractory Brick. Class 12.

284,087. "WARREN'S" AND DRAWING. Registered June 16, 1931. The Warren Featherbone Company, Three Oaks, Mich., a corporation of Michigan. Renewed June 16, 1951. Cotton, Mercerized Cotton, Tinsel, Rayon, and Silk Ribbons; Braided Ribbon, Lingerie Ribbon, and Cotton-and-Rubber Elastic. Class 42.

284,402. "WARNER GEAR CO" ETC. AND DRAWING. Registered June 23, 1931, to Warner Gear Company, Muncie, Ind. Renewed June 23, 1951, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Bevel Ring Gears, Pinions, Differential Casing, Differential Gears and Parts Thereof, Etc. Class 23.

285,022. "PALMBREZE" AND DRAWING. Registered July 14, 1931. Victor Befia. Renewed July 14, 1951, to Gilbert R. Stone, Philadelphia, Pa. Fans (Nonelectric). Class 40.

285,066. REPRESENTATION OF TRIANGLE WITH CIRCLES. Registered July 14, 1931. The Newport Company, Carrollville, Wis. Renewed July 14, 1951, to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware. Rosin. Class 1.

285,077. WATERVOIR. Registered July 14, 1931. Norge Corporation, Detroit, Mich. Renewed July 14, 1951, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois. Water Coolers. Class 31.

285,148. "BIRDS EYE" ETC. AND REPRESENTATION OF LABEL. Registered July 14, 1931. Frosted Foods Company, Inc. Renewed July 14, 1951, to General Foods Corporation, New York, N. Y., a corporation of Delaware. Frozen Food Products—Namely, Lamb, Pork, Beef, Veal, and Sausage, Fish, Shellfish, Vegetables, and Fruits. Class 46.

285,603. "COUNTRY CLUB" AND DRAWING. Registered July 28, 1931. The Kroger Grocery & Baking Co. Renewed July 28, 1951, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Canned Fruits and Fruit Preserves—Namely, Apples, Apple Butter, Apple Sauce, Etc. Class 46.

285,669. "MAJESTIC" AND DESIGN. Registered Aug. 4, 1931. W. A. Fingles, Inc., Baltimore, Md. Renewed Aug. 4, 1951, to C. G. Hussey & Company, Division of Copper Range Company, Pittsburgh, Pa., a corporation of Michigan. Certain Articles Used in Building Construction—To Wit, Flashing and Skylights. Class 12.

285,705. "FERNET-BRANCA" ETC. AND REPRESENTATION OF LABEL WITH EAGLES. Registered Aug. 4, 1931. Fratelli Branca, Milan, Italy. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Aug. 4, 1951. Stomach Bitters. Class 18.

285,706. "FERNET-BRANCA" ETC. AND REPRESENTATION OF LONG RECTANGULAR LABEL. Registered Aug. 4, 1931. Fratelli Branca, Milan, Italy. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Aug. 4, 1951. Stomach Bitters. Class 18.

285,707. "FERNET-BRANCA" ETC. AND REPRESENTATION OF LABEL. Registered Aug. 4, 1931. Fratelli Branca, Milan, Italy. Vested in Attorney General of the United States, Washington, D. C., and renewed to him Aug. 4, 1951. Stomach Bitters. Class 18.

285,914. NOZAC. Registered Aug. 11, 1931. The Conklin Pen Company, Toledo, Ohio. Renewed Aug. 11, 1951, to The Conklin Pen Company Inc., Chicago, Ill., a corporation of Illinois. Fountain Pens. Class 37.

286,079. ASBESTOS EBONY. Registered Aug. 11, 1931. Johns-Manville Corporation, New York, N. Y., a corporation of New York. Renewed Aug. 11, 1951 (Supplemental Register). Composition for Electrical Insulation Composed of Asbestos Fiber, Etc. Class 21.

286,144. PRESS. Registered Aug. 18, 1931. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Aug. 18, 1951, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Lead Pencils. Class 37.

286,145. CONDOR. Registered Aug. 18, 1931. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Aug. 18, 1951, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Lead Pencils. Class 37.

286,163. NEPTUNE. Registered Aug. 18, 1931. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Aug. 18, 1951, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Black Lead and Colored Pencils. Class 37.

286,164. RECESS. Registered Aug. 18, 1931. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Aug. 18, 1951, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Black Lead Pencils. Class 37.

286,260. DRI-KIL. Registered Aug. 25, 1931. William Cooper & Nephews, Incorporated, Chicago, Ill., a corporation of Illinois. Renewed Aug. 25, 1951. Insecticide. Class 6.

286,353. TECNECRAFT. Registered Aug. 25, 1931. Henry P. Boos, doing business as Henry P. Boos Prosthetic Studios. Renewed Aug. 25, 1951, to Henry P. Boos Dental Laboratories, Inc., Minneapolis, Minn., a corporation of Minnesota. Full Dentures, Partial Dentures and Bridges. Class 44.

286,408. GOLDINHART. Registered Aug. 25, 1931. W. Atlee Burpee Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 25, 1951. Garden Vegetable Seeds. Class 1.

286,705. WYRSTAPES. Registered Sept. 1, 1931. Wyrstapes, Inc. Renewed Sept. 1, 1951, to Wyrstapes Co., New York, N. Y., an unincorporated partnership. Staples Used in Stapling Machines for Fastening Papers, Cardboard, Metal, Etc., on to Wood, Etc. Class 13.

286,828. CADUM. Registered Sept. 8, 1931. The Omega Chemical Company, New York, N. Y. Renewed Sept. 8, 1951, to Societe Cadum, Courbevoie-Seine, France, a corporation organized under the laws of France. Toilet Soap. Class 52.

286,917. "POLAR-PAK" AND DESIGN. Registered Sept. 8, 1931. The Kroger Grocery & Baking Co. Renewed Sept. 8, 1951, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Fresh Meat—Namely, Pork Brains, Pork Links, Pork Sausage, and Beef Brains, and Smoked and Dried Chipped Beef. Class 46.

286,957. ALPACUNA. Registered Sept. 8, 1931. Jacob Siegel, doing business as Jacob Siegel Company. Renewed Sept. 8, 1951, to Jacob Siegel Company, Philadelphia, Pa., a corporation of Pennsylvania. Men's Topcoats, Overcoats, and Suits. Class 39.

287,649. UNDE' WASHER. Registered Sept. 29, 1931. Maude T. Kelley, Mount Vernon, N. Y. Renewed Sept. 29, 1951, to Stanley Home Products, Inc., Westfield, Mass., a corporation of Massachusetts. Washing Devices — Namely, Clothes Agitators or Pounders. Class 24.

287,710. "WAJAX" WITHIN SHORT PARALLEL LINES. Registered Oct. 6, 1931. Fenwick Reddaway Mfg., Co., Newark, N. J. Renewed Oct. 6, 1951, to Watson Jack & Company Limited, Montreal, Canada, a corporation organized under the laws of Canada. Portable Water Pump for Fires. Class 23.

287,835. PLACER GOLD. Registered Oct. 13, 1931. Earl Fruit Company. Renewed Oct. 13, 1951, to Di Giorgio Fruit Corporation, San Francisco, Calif., a corporation of Delaware. Fresh Deciduous Fruits, Fresh Grapes, Fresh Berries. Class 46.

287,887. JOY-DROP. Registered Oct. 13, 1931. International Fruit Corporation, Orlando, Fla. Renewed Oct. 13, 1951, to Di Giorgio Fruit Corporation, San Francisco, Calif., a corporation of Delaware. Fresh Citrus Fruits. Class 46.

288,078. COLLEGIAN. Registered Oct. 20, 1931. S. E. & M. Vernon, Inc. Renewed Oct. 20, 1951, to J. J. Newberry Co., New York, N. Y., a corporation of Delaware. Loose Leaf Binders and Blank Books. Class 37.

288,090. IMPERATOR. Registered Oct. 20, 1931. Richard Best Pencil Company, Inc., New York, N. Y. Renewed Oct. 20, 1951, to Richard Best Pencil Company, Inc., Springfield, N. J., a corporation of New Jersey. Black Lead Pencils, Colored, Copying, and Indelible Pencils. Class 37.

288,092. "WORLD WIDE" AND DESIGN. Registered Oct. 20, 1931. Associated Stationers Supply Company, Chicago, Ill., a corporation of Illinois. Renewed Oct. 20, 1951. Printed Forms, Typewriter Paper, and Stenographers' Note Books. Class 37.

288,120. CORDEX. Registered Oct. 20, 1931. Mosinee Paper Mills Company, Mosinee, Wis., a corporation of Wisconsin. Renewed Oct. 20, 1951. Reinforced Paper for Wrapping Heavy Articles, Such as Machinery and the Like, Etc. Class 37.

288,128. "SPIC & SPAN" AND DRAWING. Registered Oct. 20, 1931. Paper Specialty Company, Wausau, Wis., a corporation of Wisconsin. Renewed Oct. 20, 1951. Lining Paper for Cupboards, Shelves, Drawers, Tables, and Similar Household and Culinary Purposes; Etc. Class 37.

288,239. RIVER BIRD. Registered Oct. 20, 1931. International Fruit Corporation, Orlando, Fla. Renewed Oct. 20, 1951, to Di Giorgio Fruit Corporation, San Francisco, Calif., a corporation of Delaware. Fresh Citrus Fruits. Class 46.

288,383. STATES. Registered Oct. 27, 1931. Elgin National Watch Company, Chicago and Elgin, Ill. Renewed Oct. 27, 1951, to Elgin National Watch Company, Elgin, Ill., a corporation of Illinois. Watches, Watch Movements, and Watch Cases. Class 27.

288,464. TAKARA. Registered Oct. 27, 1931. Takara Laboratories, Portland, Oreg. Renewed Oct. 27, 1951, to Takara Laboratories Corporation, Hollywood, Calif., a corporation of California. Hygienic Powder Used as a Douche for Feminine Hygiene, as a Foot Bath, Etc. Class 51.

288,535. STONESET. Registered Nov. 3, 1931. Medusa Portland Cement Company, Cleveland, Ohio, a corporation of Ohio. Renewed Nov. 3, 1951. Non-Staining Waterproofed Mortar Cement. Class 12.

288,747. HER GRACE. Registered Nov. 3, 1931. The Kroger Grocery & Baking Co., doing business as Wesco Foods Co. Renewed Nov. 3, 1951, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. COFFEE. Class 46.

288,770. EMBASSY. Registered Nov. 3, 1931. The Kroger Grocery & Baking Co., doing business as Wesco Foods Company. Renewed Nov. 3, 1951, to The Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Candies—Namely, Mint Patties. Class 46.

288,846. BADGER. Registered Nov. 10, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Nov. 10, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Soap Flakes, Granulated Soap, and Liquid Soap. Class 52.

288,987. QUELARC. Registered Nov. 10, 1931. The Pyle-National Company, Chicago, Ill., a corporation of New Jersey. Renewed Nov. 10, 1951. Circuit Breaking Plugs and Receptacles. Class 21.

289,303. "COLGATE'S" AND REPRESENTATION OF CARTON. Registered Nov. 24, 1931. Colgate-Palmolive-Peet Company, Chicago, Ill. Renewed Nov. 24, 1951, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. Shaving Soap and Shaving Sticks. Class 51.

289,319. BISQUICK. Registered Nov. 24, 1931. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed Nov. 24, 1951. Biscuit Flour. Class 46.

289,421. "SIR ROBERT BURNETT & CO." ETC. AND DRAWING. Registered Nov. 24, 1931. Sir Robert Burnett & Company, Limited, London, England. Renewed Nov. 24, 1951, to The Distillers Company Limited, Linden, N. J., a corporation of Delaware. Gin. Class 49.

289,422. "BURNETT'S" ETC. AND DRAWING. Registered Nov. 24, 1931. Sir Robert Burnett & Company, Limited, London, England. Renewed Nov. 24, 1951, to The Distillers Company Limited, Linden, N. J., a corporation of Delaware. Gin. Class 49.

289,534. „HOMBREOL". Registered Dec. 1, 1931. "Degewop" Gesellschaft Wissenschaftlicher Organpraeparate A. G., Berlin-Spandau, Germany. Renewed Dec. 1, 1951, to Organon Inc., Orange, N. J., a corporation of New Jersey. Medicinal Preparation for Stimulating Gland Action. Class 18.

289,562. MELOVEL. Registered Dec. 1, 1931. Rossie Velvet Company, Mystic, Conn. Renewed Dec. 1, 1951, to A. Wimpfheimer & Bro. Inc., Stonington, Conn., a corporation of New York. Pile Fabrics. Class 42.

289,563. WESTERN FLYER. Registered Dec. 1, 1931. Western Auto Supply Company, Kansas City, Mo., a corporation of Missouri. Renewed Dec. 1, 1951. Bicycles, Tricycles. Class 19.

289,567. BIG 4. Registered Dec. 1, 1931. Western Machine Tool Works, Holland, Mich., a corporation of Michigan. Renewed Dec. 1, 1951. Machine Tools—Namely, Drills, Machines for Tapping Nuts and the Like, Shapers, and Lathes. Class 23.

289,672. MATCHMEND. Registered Dec. 1, 1931. Larkwood Silk Hosiery Mills, Inc. Renewed Dec. 1, 1951, to Chadbourn Hosiery Mills, Incorporated, Charlotte, N. C., a corporation of North Carolina. Stockings. Class 39.

289,778. K-9. Registered Dec. 8, 1931. Canine Food Company, San Francisco, Calif. Renewed Dec. 8, 1951, to Pet Food Co., Portland, Oreg., a corporation of Oregon. Dog Food. Class 46.

289,788. FROZEN MINTS. Registered Dec. 8, 1931. American Chicle Company, Long Island City, N. Y., a corporation of New Jersey. Renewed Dec. 8, 1951. Chewing Gum. Class 46.

289,851. "400" SMART SET. Registered Dec. 8, 1931. Russell Playing Card Company, Jersey City, N. J. Renewed Dec. 8, 1951, to The United States Playing Card Company, Cincinnati, Ohio, a corporation of Ohio. Playing Cards. Class 22.

289,935. OLYMPIC. Registered Dec. 15, 1931. The O-C Manufacturing Company. Renewed Dec. 15, 1951, to Francis H. Montmarquet, doing business as The O-C Manufacturing Co., Little Falls, N. J. Jock Straps and Suspensories for Men and Athletic Supporters and Anklets, Ankle Supporters, and Wrist Supporters for Both Men and Women. Class 44.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

290,532. "DU MAURIER" AND DESIGN. Registered Jan. 5, 1932. Peter Jackson (Tobacco Manufacturer) Limited, London, England. Cigarettes, Smoking Tobacco, Cigars, and Snuff. Class 17. Amended as follows: In the statement, lines 6 and 7, "smoking tobacco, cigars, and snuff," is deleted.

311,244. CAMPANA. Registered Mar. 20, 1934. Campana Corporation, Batavia, Ill. Astringents, Astringent Cerates, Bleach Creams, Etc. Class 6. Amended as follows: In the statement, column 1, the description of goods with the exception of "astringents," appearing in line 6 and "face packs, hand lotions, skin lotions, after shaving lotions, face powders, liquid face powders," appearing in lines 12, 13, 14 and 15, is deleted; column 2, lines 1 and 2, "6, Chemicals, medicines, and pharmaceutical preparations" is deleted and *51, Cosmetics and toilet preparations* is inserted in lieu thereof; and in same column 2, line 18, "3625 Lowell Street, Washington" is deleted and *4400 Klingle Street, Washington 16* is inserted in lieu thereof.

315,873. PRIDE. Registered Aug. 14, 1934. San Antonio Brewing Association, San Antonio, Tex. Malt Beverages With Not More Than the Legal Alcoholic Content. Class 48. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946, to that area of the United States comprising the States of Texas, New Mexico, Oklahoma, Arkansas, Louisiana Kansas, and Colorado, by order of the Commissioner dated Sept. 11, 1951 following decision on Concurrent Use Proceeding No. 53, *Jacob Leinenkugel Brewing Co. v. San Antonio Brewing Association.*

356,096. REINDOE. Registered Apr. 12, 1938. Van Raalte Company, New York, N. Y. Fabric Gloves. Class 39. Amended as follows: In the statement, column 2, lines 2 and 3, "fabric gloves" is deleted and *women's and misses' fabric dress gloves* is inserted in lieu thereof.

539,779. CHASE "STERLINGWARE." Registered Mar. 20, 1951. Max H. Storch, New York, N. Y. Silverplated and Sterling Silver Knives, Forks, Etc. Class 28. Amended as follows: In the statement, line 7, "silverplated and" is deleted.

545,043. SHARP-RAC. Registered July 17, 1951. Robeson Cutlery Company, Inc., Perry, N. Y. Knife Holders or Racks Made of Plastic Material for Holding One or More Knives When Not in Use. Class 2. Corrected as follows: In the certificate, line 13, name of registrant, for "Robeson Cutler Company, Inc." read *Robeson Cutlery Company, Inc.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

77,343. ANITA. Registered Mar. 29, 1910. Renewed Mar. 29, 1930. Re-renewed Mar. 29, 1950. Texas Star Flour Mills. Wheat-Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

147,175. ANITA. Registered Oct. 4, 1921. Renewed Oct. 4, 1941. Texas Star Flour Mills. Wheat-Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

147,176. TIDAL WAVE. Registered Oct. 4, 1921. Renewed Oct. 4, 1941. Texas Star Flour Mills. Wheat-Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

153,022. LA NINFA. Registered Mar. 7, 1922. Renewed Mar. 7, 1942. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

159,129. "NAVAHO" AND DESIGN. Registered Sept. 19, 1922. Renewed Sept. 19, 1942. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

182,300. WHITE HEART. Registered Apr. 8, 1924. Renewed Apr. 8, 1944. The Oklahoma Mill Co. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

224,122. "ANITA" AND REPRESENTATION OF EAGLE AND CROSSED FLAGS. Registered Feb. 15, 1927. Renewed Feb. 15, 1947. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

224,665. "NEW-WAY NUEVO METODO" AND DESIGN. Registered Mar. 1, 1927. Renewed Mar. 1, 1947. Texas Star Flour Mills. Wheat Flour Corn Products—Namely, Corn Meal and Corn Chops, Etc. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

228,508. "CAPITANA C" AND DESIGN. Registered June 7, 1927. Renewed June 7, 1947. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

231,399. "TEXAS STAR FLOUR MILLS" AND STAR DESIGN. Registered Aug. 16, 1927. Renewed Aug. 16, 1947. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

231,481. "TEXAS STAR FLOUR MILLS LIBERTAD GALVESTON" AND DESIGN. Registered Aug. 23, 1927. Renewed Aug. 23, 1947. Texas Star Flour Mills. Wheat Flour, Graham Flour, Rye Flour, Etc. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

231,507. "TEXAS STAR FLOUR MILLS ESTRELLA" ETC. AND DESIGN. Registered Aug. 23, 1927. Renewed Aug. 23, 1947. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

288,148. PARLOR PRIDE. Registered Oct. 20, 1931. Renewed as of Oct. 20, 1951. Osbert P. Miller, doing business as Parlor Pride Mfg. Co. Inc. Stove Polish. Class 4. New certificate under section 7(c) issued Oct. 9, 1951 to S. C. Johnson & Son, Inc., Racine, Wis., a corporation of Wisconsin.

395,024. SAHARA. Registered May 5, 1942. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

503,855. "AMBROSIA" AND STAR DESIGN. Registered Nov. 16, 1948. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

504,058. AMBROSIA. Registered Nov. 23, 1948. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

508,139. OLEANDER. Registered Apr. 5, 1949. Texas Star Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

533,359. "ESTRELLA DEL NORTE" AND DESIGN. Registered Nov. 14, 1950. Texas Star Flour Mills, doing business as Pan American Flour Mills. Wheat Flour. Class 46. New certificate under section 7(c) issued Oct. 9, 1951 to Burrus Mills, Incorporated, Dallas, Fort Worth, and Galveston, Tex., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 341,470. Registered Dec. 8, 1936. Charles Doppelt & Co., Chicago, Ill. Republished by Charles Doppelt & Company, Inc., Chicago, Ill., a corporation of Illinois.

DOPP KIT

The word "Kit" is disclaimed apart from the mark as shown.

For Utility Bags.
Claims use since July 2, 1936.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Reg. No. 141,174. Registered Apr. 12, 1921. Minnesota Mining & Mfg. Co., St. Paul, Minn. Republished by Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware.

TRI-M-ITE

For Abrasive Paper and Abrasive Cloth.
Claims use since February 1907.

Reg. No. 141,175. Registered Apr. 12, 1921. Minnesota Mining & Mfg. Co., St. Paul, Minn. Republished by Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware.

THREE-M-ITE

For Abrasive Paper and Abrasive Cloth.
Claims use since June 1914.

Reg. No. 167,713. Registered May 8, 1923. Minnesota Mining & Manufacturing Company, St. Paul, Minn. Republished by Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware.

WETORDRY

For Abrasive Paper.
Claims use since July 6, 1921.

Reg. No. 348,472. Registered July 27, 1937. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

IMPERIAL

For Abrasive Cloth and Abrasive Paper.
Claims use since 1905.

Reg. No. 348,473. Registered July 27, 1937. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

PRODUCTION

For Abrasive Cloth and Abrasive Paper.
Claims use since January 1925.

Reg. No. 351,770. Registered Nov. 9, 1937. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

CRYSTAL BAY

For Abrasive Cloth and Abrasive Paper.
Claims use since 1905.

Reg. No. 355,032. Registered Mar. 8, 1938. Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware. Republished by registrant.

ELEK-TRO-CUT

The word "Cut" is disclaimed apart from the mark as shown.

For Abrasive Cloth, Abrasive Paper, Abrasive Belts, Abrasive Sleeves, and Abrasive Disks.

Claims use since August 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 131,533. Registered May 18, 1920. G. J. Liebich Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

O-VER-AWL

For Dry, Paste, and Ready-Mixed Paints, Varnishes for Automobiles, Japans for Automobiles, Varnishes for Furniture and All Surfaces, Rubbing and Polishing Varnishes for Automobiles and Furniture, Fixture Varnishes, Bronzing Liquid, Varnishes for Seat and Exterior Purposes, Orange Shellac, White Enamel, Natural Paste Filler, Varnish Stains, and Dark Oak Paste Filler.

Claims use since about May 1, 1912.

Reg. No. 151,361. Registered Jan. 31, 1922. Standard Varnish Works, New York, N. Y., a corporation of New York. Republished by registrant, present address Staten Island, N. Y.

STANDARD

For Varnish, Varnish Remover, Liquid Drier, Black Lacquer, Liquid Filler, White Enamel, Japan Drier, Turpentine, Shellac, Oil Finish, and Orange Shellac.

Claims use since 1876.

Reg. No. 163,702. Registered Jan. 23, 1923. William Zinsser & Company, Incorporated, New York, N. Y. Republished by William Zinsser & Co. Incorporated, New York, N. Y., a corporation of New York.



The drawing is lined for red, the target being black. The word "Brand" is disclaimed apart from the mark as shown.

For Bronze Powders, Bronzing Liquids, Dragon's Blood, Driers, Enamels, Fillers, Floor Oils, Floor Wax, Lacquers, Linseed Oil; Dry, Paste, and Ready-Mixed Paints; Paint Colors and Colors in Oil, Paint Pigments, Polishing Oils for Finished Surfaces, Putty, Paint Sizing, Varnish Sizing, Stains, Prepared Shellacs, Turpentine, Varnishes, Varnish Gums, Varnish Powders, White Lead, Wood Cement in the Nature of Sealing Wax Colored to Match Various Woods, Wood Fillers, Zinc Oxides.

Claims use since about the year 1913.

Reg. No. 309,369. Registered Jan. 9, 1934. G. J. Liebich Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

KEL-ITE

For Paint Base Coats, Ready-Mixed Paints, Varnishes, Lacquers, Paint Fillers, and Varnish Removers.

Claims use since Apr. 26, 1933.

Reg. No. 310,344. Registered Feb. 20, 1934. G. J. Liebich Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The wording on the drawing is disclaimed apart from the mark as shown.

For Wood Filler for Cracks and Crevices.

Claims use since January 1904.

Reg. No. 349,919. Registered Sept. 14, 1937. G. J. Liebich Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.



The word "System" is disclaimed apart from the mark as shown.

For Mixed Paints, Paint Enamels, Lacquers, Varnishes, Stains, and Primers.

Claims use since Nov. 1, 1935.

Reg. No. 414,302. Registered June 5, 1945. G. J. Liebich Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

PLASTOSA

For Paint Enamel, Lacquer, Varnish, Ready Mixed Paint, Aluminum Paint, Penetrating Stain, House Paint, Floor Paint, Flat Paint, Primer and Sealer.

Claims use since about May 1, 1927.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 51,636. Registered Apr. 17, 1906. Dr. Pierre Chemical Company, Chicago, Ill. Republished by Dr. Pierre Chemical Company, Chicago, Ill., a corporation of Delaware.

BORO-PHENO-FORM

For Suppositories.

Claims use since Dec. 1, 1902.

Reg. No. 339,594. Registered Oct. 13, 1936. Chicago Pharmacal Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SULFERROUS

For Friable Pill for Secondary Anemia.

Claims use since Mar. 13, 1936.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 279,120. Registered Jan. 6, 1931. Square D Company, Detroit, Mich., a corporation of Michigan. Republished by registrant.

SQUARE D

For Industrial Switches, Meter Service Switches, Meter Service Breakers, Electrical Conduits, Electrical Conduit Parts and Fittings, Panelboards, Switchboards, Fuse Cabinets, Transformer Cabinets, Outdoor Meter Boxes, Automatic Electric Motor Starters, Float Switches and Pressure Switches.

Claims use since Oct. 15, 1914.

Reg. No. 326,705. Registered July 30, 1935. D. M. Steward Manufacturing Company, Chattanooga, Tenn., a corporation of Tennessee. Republished by registrant.

LAVITE

For Mineral Electrical Insulation Comprising Fittings for Supporting Conductors and Terminals, of Various Shapes and Sizes According to the Specification of the Device in Which Applied.

Claims use since Apr. 1, 1902.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 55,032. Registered Aug. 7, 1906. American Shearer Manufacturing Co., Nashua, N. H. Republished by John Oster Manufacturing Company, Racine, Wis., a corporation of Wisconsin.

PRIEST'S

For Hair and Wool Clippers and Their Parts.

Claims use since Jan. 1, 1892.

Reg. No. 444,485. Registered May 1, 1951. Given Manufacturing Company, Los Angeles, Calif., a corporation of California. Republished by registrant.

WASTE King PULVERATOR

The word "Waste" is disclaimed apart from the mark as shown.

For Machines for Grinding Up Garbage.

Claims use since Feb. 8, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 431,724. Registered Aug. 5, 1947. Universal Camera Corporation, New York, N. Y., a corporation of Delaware. Republished by registrant.

MINIVEX

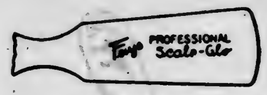
For Cameras, Camera Lenses, Optical View Finders, and Range Finders.

Claims use since Feb. 21, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 285,772. Registered Aug. 4, 1931. Edward J. Fay, New York, N. Y. Republished by Parfumerie De Raymond, New York, N. Y., a firm.



The word "Professional" is disclaimed apart from the mark as shown.

For Hair and Toilet Brushes.

Claims use since January 1931.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 281,671. Registered Mar. 24, 1931. Electrol Incorporated, St. Louis, Mo. Republished by Electrol Incorporated, Kingston, N. Y., a corporation of Delaware.



The words "Quiet All Electric Oil Burner" are disclaimed apart from the mark as shown.

For Domestic Oil Burners.

Claims use since March 1928.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 410,517. Registered Nov. 28, 1944. Publishers Syndicate, Chicago, Ill., a partnership. Republished by registrant.

DOTTY DRIPPLE

For Comic Strip.

Claims use since June 1, 1944.

CLASS 39

CLOTHING

Reg. No. 328,748. Registered Oct. 1, 1935. The Feltman & Curme Shoe Stores Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.



For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.

Claims use since Feb. 23, 1932.

Reg. No. 350,967. Registered Oct. 12, 1937. The Feltman & Curme Shoe Stores Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.

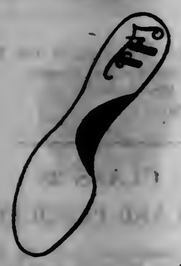


The drawing is lined for brown. The words "Fits the Arch," "This Colored Insert Identifies Our Product," and the surnames "Feltman Curme" are disclaimed apart from the mark as shown. The outline of the insole, per se, is disclaimed.

For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.

Claims use since August 1931.

Reg. No. 340,224. Registered Sept. 13, 1938. The Feltman & Curme Shoe Stores Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.



The drawing is lined for black. The words "Fits the Arch" and the surnames "Feltman Curme" are disclaimed apart from the mark as shown. The outline of the insole per se is disclaimed.

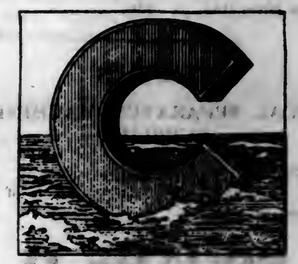
For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.

Claims use since August 1931.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 271,909. Registered June 17, 1930. E. A. Couture, Modesto, Calif. Republished by Couture Farms, Modesto, Calif., a firm.



The drawing is lined for red and blue.

For Fresh Grapes.

Claims use since August 1925.

Reg. No. 282,793. Registered May 5, 1931. Albers Packing Company, Riverside, Calif. Republished by Mawer-Guiden-Annis, Inc., Brooklyn, N. Y., a corporation of New York.



The drawing is lined for red and gold. The words "Riverside, California" are disclaimed apart from the mark as shown.

For Canned Olives.

Claims use since Sept. 30, 1930.

Reg. No. 323,029. Registered Mar. 26, 1935. Halferty Corporation, Seattle, Wash. Republished by G. P. Halferty & Co., Seattle, Wash., a corporation of Washington.

SHOW BOAT

For Canned Peas, Canned Strawberries, Canned Pears, Canned Shrimp, Canned Tuna, Canned Oysters, Canned Sardines, Canned Crab, Canned Clams, and Canned Chicken.

Claims use since Sept. 24, 1934.

Reg. No. 375,871. Registered Mar. 5, 1940. Sodus Fruit Exchange, Sodus, Mich., a corporation of Michigan. Republished by registrant.

BLOSSOM QUEEN

For Fresh Deciduous Fruits.

Claims use since Aug. 29, 1939.

Reg. No. 387,707. Registered May 27, 1941. D. F. Barnes, Homerville, Ga. Republished by registrant.

OKEFENOKEE BRAND

The word "Brand" is disclaimed apart from the mark as shown.

For Honey.

Claims use since January or February 1937.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 342,424. Registered Jan. 19, 1937. Edward J. Fay, doing business as De Raymond, New York, N. Y. Republished by Parfumerie De Raymond, New York, N. Y., a firm.

DEVILTRY

For Perfumes, Toilet Waters, Colognes, and Talcum Powder.

Claims use since Jan. 2, 1936.

REISSUES

OCTOBER 9, 1951

23,415

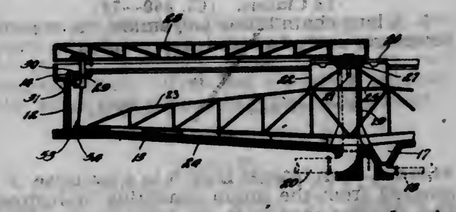
TRACTION DRIVE FOR LIQUID TREATING APPARATUS

Carl H. Nordell, Palm Springs, Calif., assignor to Infilco Incorporated, a corporation of Delaware

Original No. 2,418,189, dated April 1, 1947, Serial No. 408,115, August 23, 1941. Application for reissue November 28, 1947, Serial No. 788,232

17 Claims. (Cl. 210—55)

16. In apparatus for the treatment of liquid with precipitation of solids, a tank having a wall associated therewith, which wall presents a submergible and normally submerged driveway in the tank; liquid inlet and outlet means associated with the tank, whereby a liquid level can be substantially maintained in the tank, above said driveway; a frame structure adapted to be moved along said driveway; means to support said frame structure while allowing it to be moved; solids impeller means in the tank, mounted on said frame structure; a drivewheel mounted on the frame structure and adapted to contact said driveway in a direction normal to said driveway and to the periphery of said drivewheel, with



sufficient pressure to provide traction; and motor means mounted on said frame structure to drive said drivewheel and thereby to drive said frame structure and solids impeller means.

PLANT PATENTS

GRANTED OCTOBER 9, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,044

PEAR TREE

Marvin A. Cook, Tipp City, Ohio

Application April 25, 1949, Serial No. 89,493

1 Claim. (Cl. 47—62)

A new and distinct variety of pear tree substantially as described and illustrated, characterized particularly by its large dark green waxen foliage, its vigorous growth, its resistance to known diseases and adverse weather conditions, its large bright yellow waxen fruit of substantially uniform smooth surface substantially free of blemishes and having superior keeping qualities, and the combination of the very white, firm, juicy flesh of excellent flavor and free of grit and other hard substances.

PATENTS

GRANTED OCTOBER 9, 1951

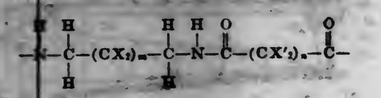
2,570,180

FLUORINATED POLYAMIDES

Arthur L. Allewelt, West Chester, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 6, 1946, Serial No. 714,661
13 Claims. (Cl. 260—78)

1. A long chain linear polyamide, the repeating structural unit of which is represented by



where m is an integer from 0 to 4 inclusive, X′ is selected from the group consisting of hydrogen and fluorine, and n is an integer from 1 to 5 inclusive, X′ being fluorine when m is zero, and when m is other than zero, X and X′ being selected from the group consisting of hydrogen and fluorine, at least one of the symbols X and X′ being fluorine.

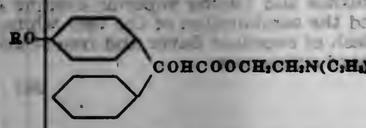
2,570,181

DIETHYLAMINOETHYL ALKOXY-BENZILATES

Earl R. Bockstahler, Indianapolis, Ind., assignor to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware

No Drawing. Application April 15, 1949, Serial No. 87,847
7 Claims. (Cl. 260—473)

1. A compound of the group consisting of those having the structure:



in which R is an alkyl group having from three to seven carbon atoms and acid addition salts thereof.

2,570,182

PROCESS OF MAKING CELLULAR MATERIAL

Lawrence E. Daly, Mishawaka, and Robert W. Pooley, South Bend, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 23, 1948, Serial No. 40,428
4 Claims. (Cl. 260—2.5)

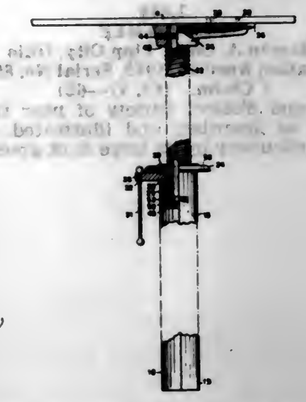
1. The process of making a lightweight, closed-cell cellular material which is capable of supporting relatively large loads in comparison to its density and which is elastic and resilient which comprises dispersing at a temperature of not over 100° F. a paste-like dispersion of a finely divided solid plasticizable resinous polymer of at least one compound containing the $CH_2{=}C<$ group in high boiling organic liquid plasticizer which is substantially a non-solvent for said resinous polymer and for the rubbery copolymer hereinafter mentioned at temperatures of not over 100° F. but is capable of dissolving said resinous polymer and said rubbery copolymer at elevated temperatures above 100° F. at which the chemical blowing agent hereinafter mentioned decomposes, as the discontinuous phase throughout a rubbery copolymer of a butadiene-1,3 hydrocarbon and an alpha methylene nitrile selected from the group consisting of acrylonitrile and its homologues as the continuous phase, said rubbery copolymer and said resinous polymer being mutually compatible and thereby obtaining a dry moldable mixture free from stickiness and wherein said rubbery copolymer constitutes the continuous phase and said paste-like dispersion of said resinous polymer and said plasticizer constitutes the disperse phase, including in the mixture a chemical blowing agent and material for vulcanizing the rubbery copolymer, shaping said mixture, and subsequently heating the shaped mixture and effecting decomposition of the blowing agent and expansion of the mixture to closed-cell cellular form, fusion of the resinous polymer, the rubbery copolymer and the plasticizer into a uniform homogeneous blend, and vulcanization of said rubbery copolymer.

2,570,183

ELEVATING DEVICE FOR TABLE TOPS

John George Weber, Bryn Mawr, Pa.

Application May 22, 1948, Serial No. 28,591
1 Claim. (Cl. 311—39)



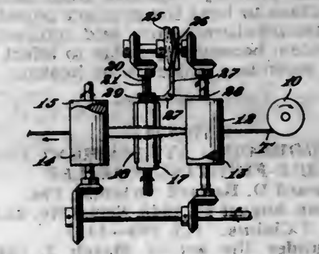
An elevating device comprising a supporting column, a threaded elevating column, a bushing secured to the upper portion of said supporting column and having a bevelled lower face, threads on said bushing which engage the threads on the elevating column, said supporting column and said elevating column being coaxially and telescopically disposed with respect to each other, a collar secured to the lower portion of the elevating column having an upper bevelled face and adapted to bear against the lower face of the bushing when the elevating column is in the raised position, means to rotate the elevating column and means to lock the elevating column against turning movement.

2,570,184

CUTTING TOW

Edward J. Abbott, deceased, late of Wilton, N. H., by Samuel L. Abbott, executor, Wilton, N. H., assignor, by mesne assignments, to Abbott Worsted Mills, Incorporated, Wilton, N. H., a corporation of New Hampshire

Application May 3, 1949, Serial No. 91,664
2 Claims. (Cl. 19—1)



1. Apparatus for converting fibers of a tow of continuous filaments into staple-length fibers, comprising means for subjecting the tow to a draft, a rotary element including a plurality of knife blades extending transversely of the line of draft of the tow, said rotary element and its knife blades being arranged and disposed with relation to the tow so that the tow bears against and is deflected by said knife blades, means for causing said knife blades to rotate at a surface speed approximately the same as the forward surface speed of the tow in contact therewith, and means for simultaneously reciprocating said knife blades transversely of the tow, so as to sever the sufficiently strongly tensioned filaments with a sliding and cutting action while minimizing longitudinal drag of the filaments over the blades.

2,570,185

ALKOXYSILANE-AMINE ASPHALT ADDITIVE

Paul H. Aldrich, Urbana, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application April 18, 1947, Serial No. 742,469
15 Claims. (Cl. 260—28)

1. A composition having value as a wetting and anti-stripping agent in connection with the preparation and use of asphalt-aggregate highway mix, said composition comprising the product obtained by mixing together a tertiary-carbinoxy polyamino silane and an organic amine having an $-NH_2$ group attached to an aliphatic chain containing six to eighteen contiguous carbon atoms, and heating to a temperature above the melting points but below the boiling points of said silane and said amine.

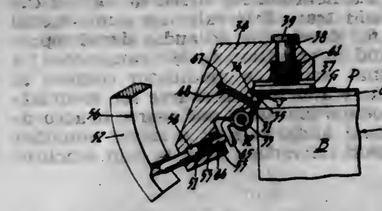
2,570,186

MACHINE FOR OPENING CLOSURE MEMBERS HAVING CRIMPED FLANGES

August E. Almgren, Hillside, N. J., assignor to American Can Company, a corporation of New Jersey

Application February 8, 1950, Serial No. 143,026
8 Claims. (Cl. 226—129)

1. In a machine for opening closure members having a portion crimped over a projecting ledge of a container, the combination of clamping means operable against a top portion of the closure member of a container and having an edge extending substantially to the projecting ledge of the container for holding said member in closed position, and a finger having a jaw insertable under the crimped portion of the closure member and movable away from the container for prying said crimped portion loose



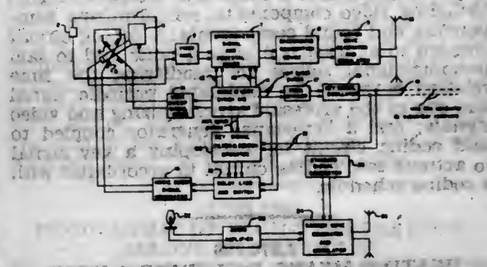
from the container to facilitate opening of said closure member, said crimped portion, during said prying operation, being limited by said clamping means to bending outwardly substantially along said edge of the clamping means.

2,570,187

SUBSCRIBER SIGNALING SYSTEM

Nathan W. Aram, Park Ridge, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application July 21, 1948, Serial No. 39,970
7 Claims. (Cl. 178—5.1)



1. A subscription type of signal transmitter comprising: apparatus for producing at least two electrical signals representing intelligence to be transmitted to a distant point; a coding circuit coupled to said apparatus for coding at least one of said electrical signals in accordance with a coding schedule; means coupled to said apparatus for transmitting said electrical signals to said distant point; a generator coupled to said coding circuit for producing a key signal representing said coding schedule for transmission to said distant point over a line-circuit; a signal source for developing a signal to serve as an identification of the subscription transmitter; and means for applying said identifying signal to said transmitting means for transmission to said distant point concurrently with said electrical signals.

2,570,188

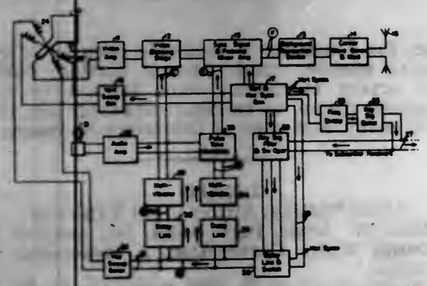
SUBSCRIPTION SIGNALING SYSTEM

Nathan W. Aram, Park Ridge, and Jesse E. Brown, Glencoe, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois

Original application April 9, 1949, Serial No. 86,486. Divided and this application January 25, 1950, Serial No. 140,472
5 Claims. (Cl. 178—5.1)

1. A subscription type of television transmitter comprising: a picture-converting unit for de-

veloping during recurring trace intervals a video signal representing image information to be transmitted; a scanning system associated with said converting unit; a synchronizing-signal generating unit coupled to said scanning system for developing a synchronizing signal to control the timing of said trace intervals; an audio-signal transducer for developing an audio signal representing sound information to be transmitted; a periodic-signal source; a modulator coupled to said transducer and to said source for modulating the periodic signal from said source in accordance with said audio signal; a mixer amplifier coupled to said converting unit, to said synchro-



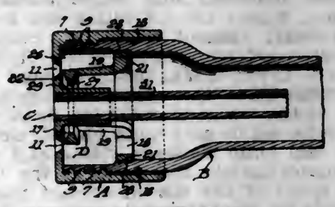
nizing-signal generating unit and to said modulator for producing a composite television signal including video components, synchronizing components and sound components; a coding circuit coupled to at least one of said units and to said periodic-signal source for modifying the time relation between the modulated periodic signal and one of the aforesaid synchronizing and video signals; and a key-signal generator coupled to said coding circuit for developing a key signal to actuate said coding circuit in accordance with a coding schedule.

2,570,189
HEATING MEANS, INCLUDING A HEAT TRANSFER SYSTEM
Sigurd Mattias Bäckström, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application October 28, 1944, Serial No. 560,742
In Sweden November 2, 1943
9 Claims. (Cl. 126—34)



5. Apparatus for heating primary and secondary objectives of heating comprising means providing a heat delivery member having a surface from which a primary objective of heating directly receives heat, means to effect heating of said member, means for heating a secondary objective of heating comprising an indirect heat transfer system including a heat absorbing member in heat conductive relation with said heat delivery member, said heat absorbing member having a wall in heat conductive contact with the primary objective of heating when the latter is positioned to receive heat from said heat delivery surface, and means including said heat absorbing member to augment the heat received by the primary objective from said heat delivery surface to heat the primary objective to a desired temperature before said indirect heat transfer system becomes operable to effect heating of the secondary objective of heating.

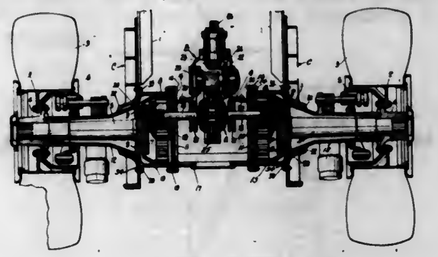
2,570,190
FOG-PRODUCING ATTACHMENT FOR FIRE-FIGHTING NOZZLES
Edward D. Ballard, Orlando, Fla.
Application August 10, 1948, Serial No. 43,501
7 Claims. (Cl. 299—143)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A nozzle assembly for discharging liquid from a supply thereof, which comprises, in combination, a nozzle, a fog head adjustably mounted on the nozzle and having a discharge end for the liquid, a tube extending through the nozzle and having a discharge opening in the fog head for discharging a solid stream of liquid from the fog head, a sleeve extending inwardly from the discharge end of the fog head for receiving and mounting the tube, conical means mounted in the nozzle and extending into the fog head to a zone adjacent to the discharge end and including an annulus positioned adjacent to the discharge end of the fog head and concentrically spaced around the said sleeve and tube received therein, the said annulus dividing liquid flowing through the nozzle and fog head into inner and outer streams, the said annulus being interiorly oppositely tapered to deflect inner streams of liquid inwardly towards the sleeve and then outwardly therefrom for producing impingement between the inner and outer streams, the discharge end of the fog head being provided with a plurality of discharge openings concentrically disposed around the tube opening and being partially covered by the said annulus, and means for adjusting the fog head relative to the nozzle for varying positions and angles of impingement between the streams for selectively varying the resulting pattern of the discharge.

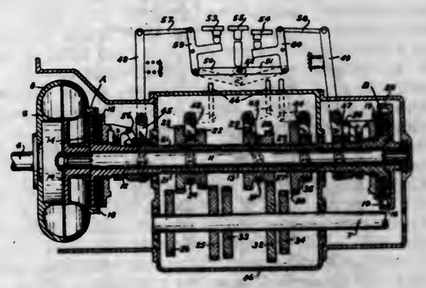
2,570,191
DETACHABLE DRIVING AXLE UNIT
Raymond A. Beckwith, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation
Application July 13, 1948, Serial No. 38,372
6 Claims. (Cl. 180—75)

1. In axle driving unit construction of the class described, in combination, a suporting frame, wheel mounting means comprising an axle unit including spaced wheel driving axles, wheels connected to the outer ends of said axles, supporting axle housings containing said axles, driving mechanism intermediate the said axles for rotation of the latter including a differential gear unit comprising driving shaft members, one connected to each axle, and a differential gear housing between and detachably connected to the



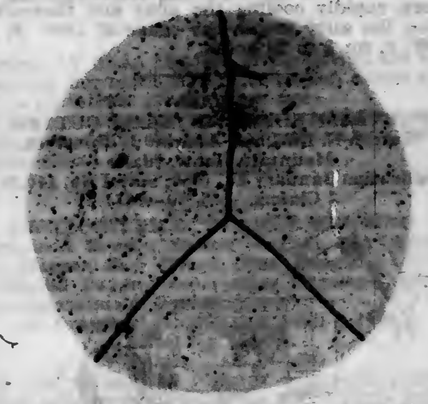
axle housings, means for driving actuation of the differential gear unit, and bearing brackets on the frame, receiving and attaching the axle housings to the frame, each of said brackets including separable sections, one section attached to the frame and detachably connected to the associated axle housing, and the other section attached to the axle housing, so that each axle housing provides a connecting device for the sections of an adjacent bracket.

2,570,192
POWER TRANSMISSION
Wendell K. Beckwith, Whitewater, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 26, 1944, Serial No. 542,141
8 Claims. (Cl. 74—732)



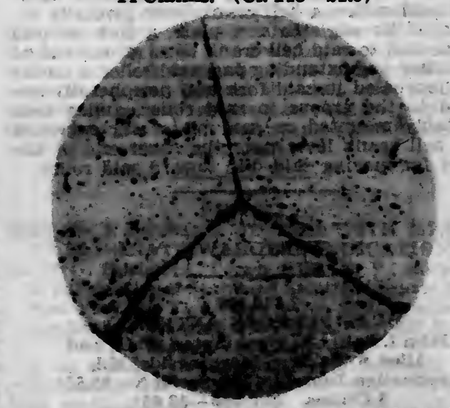
1. In a power transmitter, a rotary driving element, a differential coupling having relatively rotatable driving and driven members the former of which is constantly rotatable by said driving element, a rotary driven element, high and low speed gear sets each comprising intermeshing relatively shiftable toothed gears cooperable with said driven element to transmit rotary motion thereto from said coupling, an independent clutch interposed between each of said gear sets and a different member of said coupling, and control mechanism for shifting the gears of said sets progressively and for actuating said clutches to momentarily maintain both of said clutches and at least one of said gear sets active whenever the speed ratio between said elements is being stepped up or down.

2,570,193
HIGH-TEMPERATURE ALLOYS AND ARTICLES
Clarence George Bieber and Walter Franklin Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application April 9, 1946, Serial No. 660,748
10 Claims. (Cl. 75—171)



1. An article subjected in use to stress at elevated temperatures made of an age hardened alloy containing 10% to 25% chromium, 0.2% to 1.5% aluminum, 1.5% to 3% titanium, up to 0.25% carbon, 0.1% to 3% columbium with the columbium content being at least ten times the carbon content, a small but effective amount up to 0.2% zirconium, 0.1% to 20% iron, 0.05% to 0.8% silicon, and the balance essentially nickel, the sum of the aluminum, titanium and silicon contents being 2% to 4.5% of the alloy.

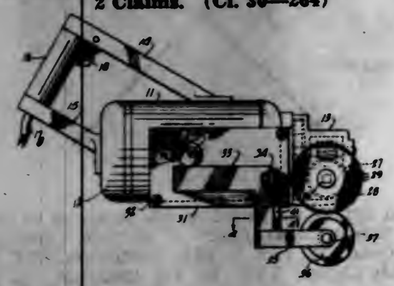
2,570,194
PRODUCTION OF HIGH-TEMPERATURE ALLOYS AND ARTICLES
Clarence George Bieber and Walter Franklin Sumpter, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Original application April 9, 1946, Serial No. 660,748. Divided and this application August 17, 1950, Serial No. 179,914
14 Claims. (Cl. 148—21.9)



1. A method of obtaining improved high temperature properties at about 1200° F. and higher in an alloy containing 14% to 16% chromium, 0.4% to 0.8% aluminum, 2.25% to 2.65% tita-

nium, up to 0.1% carbon, 0.4% to 1.2% columbium with the columbium content being at least ten times the carbon content, 0.01% to 0.08% zirconium, 4% to 8% iron, 0.2% to 0.5% silicon and the balance essentially nickel, which comprises subjecting the alloy to heat treatment at about 2100° F. for about four hours, rapidly cooling the alloy, thereafter heating the alloy within the range of 1650° F. to 1550° F. for 1 to 24 hours, rapidly cooling the alloy and thereafter aging the alloy within the range of 1300° F. to 1500° F. for 8 to 20 hours.

2,570,195
PORTABLE SHEET MATERIAL CUTTER
Warren N. Bird and Andrew J. Comstock, Mountain Home, Idaho
Application January 24, 1950, Serial No. 140,222
2 Claims. (Cl. 30—264)

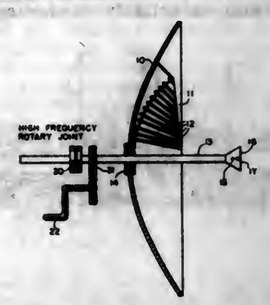


1. A portable power operated hand tool comprising a motor housing, a reduction gear housing on one end of the motor housing, a motor shaft extending into said reduction gear housing, a worm journaled in said reduction gear housing for rotation about an axis substantially parallel to the axis of rotation of said motor shaft, a reduction gear train between said motor shaft and said worm, an axle journaled in said reduction gear housing for rotation about an axis substantially at right angles to the axis of rotation of said worm, a worm gear secured on said shaft within said housing and meshing with said worm, a roller secured on said axle outside of said reduction gear housing and having a transversely serrated cylindrical periphery and an annular peripheral groove substantially at the mid-width location of the cylindrical periphery, a flat plate secured to the side of said motor housing adjacent said roller, a bell crank lever pivotally secured at its angle to said plate, a fork secured at one end to said bell crank lever at one end of the latter and extending past said roller, a cutter disc journaled in said fork and peripherally opposed to the groove in said roller, and a cam rotatably mounted on said plate and engaging said bell crank lever near the other end of the latter for moving said disc toward said roller.

2,570,196
WITHDRAWN

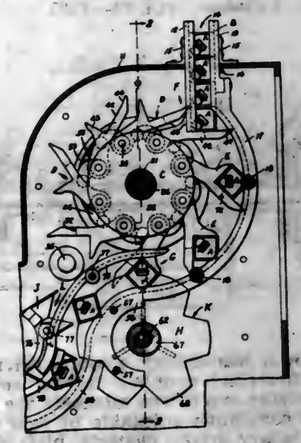
2,570,197
DUAL PURPOSE ANTENNA
John I. Bohnert, Washington, D. C., and Allen S. Dunbar, Morningside, Md.
Application June 16, 1949, Serial No. 99,554
5 Claims. (Cl. 250—33.65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. An antenna comprising, a plane polarized feed, a paraboloidal reflector therefor disposed in reflecting relation to said feed, a reflector grating circular in one plane and parabolic in others nested in said paraboloidal reflector comprising a plurality of near parallel conductors spaced less than one half wavelength apart at the highest frequency of operation and arranged to form a barrel shaped reflecting surface having in one central plane a center of curvature substantially



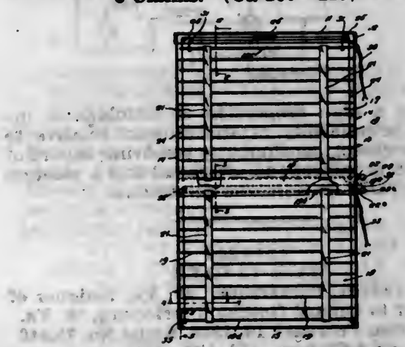
coincident with the focal point of the paraboloidal reflector and having in other planes normal to the central plane and through the focal point of the paraboloidal reflector, parabolic sections whose focal points are substantially coincident with the focal point of the paraboloidal reflector, and means for rotating the plane of polarization of said feed relative to the direction of said conductors.

2,570,198
CONTAINER TRANSFER MECHANISM
Leif Brager, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 19, 1946, Serial No. 663,408
5 Claims. (Cl. 198—25)



3. In a feeding mechanism for transferring containers from one group relation to a different group relation, the combination of a rotatable turret, pockets pivotally mounted on and carried by said turret for receiving and for conveying containers from one position to another, each pocket being formed by integral walls one wall being engageable with a container wall for supporting a container within said pocket while allowing container movement relative to the pocket, a magazine located adjacent said rotatable turret and cooperative therewith for holding a supply of containers in one of said group relations, an auxiliary transfer turret disposed adjacent said rotatable turret and cooperative therewith for holding containers in a different group relation, and pocket actuating means for moving one of said pockets on said turret to engage with and shift a container laterally of said magazine to effect transfer between said magazine and said auxiliary turret, said actuating means also pivoting an adjacent pocket on said turret to support the remaining containers in said magazine.

2,570,199
VENETIAN BLIND
James R. Brown, Houston, Tex.
Application December 28, 1945, Serial No. 637,554
3 Claims. (Cl. 160—119)



1. A Venetian blind assembly comprising a rectangular frame adapted to fit into a window opening, an upper and a lower blind section disposed in said frame respectively above and below the mid-height location of the latter and effective when extended to completely cover the area within said frame, each of said sections having an upper and a lower terminal slat, a plurality of intermediate slats disposed between said terminal slats and web ladders extending between said terminal slats and engaging said intermediate slats to hold said slats in operative assembly and tilt the intermediate slats upon tilting of the terminal slats when the blinds are extended, means pivotally connecting the lower terminal slat of said upper section and the upper terminal slat of said lower section to said frame with said lower and upper terminal slats extending transversely of the frame at the mid-height location of the latter and adjacent to each other, a plate extending transversely of the frame at the mid-height location thereof and covering the edges of the pivotally mounted terminal slats, and lifting cords supported on said frame at the upper end and at the mid-height location thereof and respectively connected to the upper terminal slat of said upper section and to the lower terminal slat of said lower section for independently raising and lowering said sections.

2,570,200
WET EXTRUSION OF ACRYLONITRILE POLYMERS
Herman A. Bruson, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application June 13, 1949, Serial No. 98,878
21 Claims. (Cl. 18—54)

1. The method of forming a shaped article which comprises extruding into a liquid coagulating medium, a composition comprising a compound selected from the group consisting of the cyclic carbonates of 1,2-, 2,3-, and 1,3-dihydric aliphatic alcohols having no more than four carbon atoms in their alkylene radical and a polymer of acrylonitrile containing in the polymer molecule at least 80% by weight of acrylonitrile; said coagulating medium comprising a water-soluble polyalkylene ether glycol having the formula

$$HO—A—(O—A)_n—OH$$

wherein "A" is an alkylene group having not less than two nor more than three carbon atoms and "n" is an integer greater than one.

21. An acrylonitrile polymer coagulating medium comprising ethylene carbonate and tripropylene glycol.

2,570,201
ACRYLONITRILE POLYMER SPINNING
Herman A. Bruson, Shaker Heights, and Gilman S. Hooper, Bay Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application April 1, 1950, Serial No. 153,482
10 Claims. (Cl. 18—54)

2. The method of forming a shaped article which comprises extruding an acrylonitrile polymer spinning solution containing ethylene carbonate as a solvent into a liquid coagulating medium containing, exclusive of ethylene carbonate, at least about 75% by weight dipropylene glycol; said polymer containing in the polymer molecule a major portion of acrylonitrile.

2,570,202
RAILWAY CAR BRAKE BEAM
Charles R. Busch, Orange, N. J., assignor to Buffalo Brake Beam Company, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,567
22 Claims. (Cl. 188—223.1)

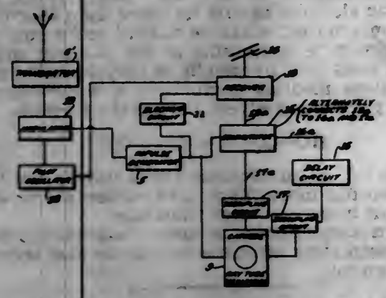


1. In a brake beam, a brake beam proper having ends extending longitudinally thereof, brake heads on such ends, and wedging means directly between such ends of the beam proper and the heads and acting to press the ends and heads in opposite directions, and means positively uniting the ends, wedges and heads and restraining the action of the wedging means.

2,570,203
DISTANCE FINDING SYSTEM WITH MEANS TO ELIMINATE SELECTED INDICATIONS
Henri G. Busignies, Forest Hills, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 5, 1941, Serial No. 381,839
9 Claims. (Cl. 343—13)

6. In a radio locator system, an indicator circuit, means for transmitting a radio wave to both stationary and moving wave reflecting objects, means for receiving the waves reflected from said objects, the waves reflected from the stationary objects recurring at said receiving means in an unchanging phase relation, and

means for substantially cancelling out the received waves from said stationary objects and for



supplying only the waves received from said moving objects to said indicator circuit.

2,570,204

COLLAPSIBLE TUBE HOLDER AND DISPENSER WHEREIN A RATCHETING MECHANISM WINDS THE TUBE ON A DRUM

George E. Campbell, Sr., McKeesport, Pa.

Application September 8, 1947, Serial No. 772,786

5 Claims. (Cl. 222—97)



1. A collapsible tube holder and dispenser comprising a housing having an open back and also having an opening in its bottom adapted for receiving one end of a collapsible tube, said housing including end walls having internal bearing recesses provided with entrances at the open back of a housing, a spool having its ends received in said entrances for rotatably supporting the spool in said recesses for winding the tube thereon; and means for rotating the spool in a step-by-step movement and comprising a ratchet wheel fixed to the spool, a lever rockably carried by the spool, and a pawl carried by the lever in engagement with the ratchet wheel, said spool and said spool rotating means being removably mounted as a unitary structure in the open back of the housing.

2,570,205

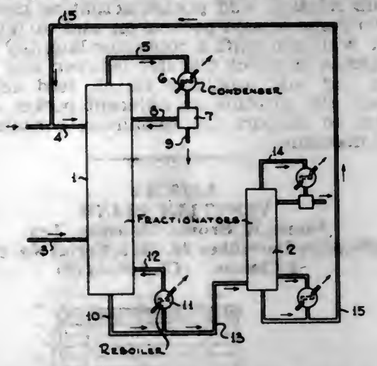
EXTRACTIVE DISTILLATION OF ALCOHOLS WITH SULFOLANE

Carl S. Carlson, Elizabeth, and Paul V. Smith, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application March 12, 1948, Serial No. 14,556

9 Claims. (Cl. 202—39.5)

1. The method of separating a mixture of ethyl alcohol and isopropyl alcohol which comprises continuously introducing a feed mixture of ethyl and isopropyl alcohols to a fractional distillation zone wherein vapors of said alcohols ascend countercurrently to a liquid reflux of the alcohols dis-



solved in a high proportion of sulfolane to increase the volatility of the ethanol relative to the isopropanol, continuously removing vapors of ethanol and isopropanol overhead and a solution of isopropanol in sulfolane as bottoms.

2,570,206

HAIR CURLER

Earl W. Carper, Parkersburg, W. Va., assignor of one-half to Lenard Gotlieb, Clarksburg, W. Va.

Application February 10, 1949, Serial No. 75,640

4 Claims. (Cl. 132—33)



1. A hair curler comprising an elongated body enlarged intermediate its length to form a head and a mandrel in front of the head and a shank extending rearwardly from the head, there being a bore extending through the shank and the head and having its front end communicating with the rear end of a slot extending longitudinally of the mandrel and open along opposite sides thereof, the body having channels at opposite sides of its bore having front ends communicating with grooves extending longitudinally in opposite side portions of the head and forward portions of the shank between and laterally of open sides of the slot for receiving double-pronged hair pins, a clip movable into and out of position for securing an end of a lock of hair to the mandrel, said clip being formed with a longitudinal slot registering with one side of the slot in the mandrel, a curl ejector slidable longitudinally in the bore and having a cross head at its front end disposed transversely of the mandrel in the slot thereof with its ends projecting from opposite sides of the said slot and one end engaged in the slot of the clip, a tubular rod slidable longitudinally in the bore about the curl ejector and having a knob closing its rear end, a spring in the bore about the curl ejector urging the tube and the ejector rearwardly, the knob when moved forwardly engaging the rear end of the ejector and shifting the ejector forwardly to dislodge a curl from the mandrel, a pin ejector carried by said knob and having a bridge extending diametrically of the knob and arms extending from the bridge longitudinally at opposite sides of the bore, said arms having side fingers at their front ends normally disposed at rear ends of the side

grooves of the body and movable forwardly in the grooves to engage rear ends of hair pins and force the said hair pins forwardly through hair coiled about the mandrel, there being pockets in the head extending laterally from the grooves, spreader plates in the pockets slidable longitudinally therein and having ribs constituting cams for engaging between and spreading prongs of hair pins as the pins are shifted forwardly through a coil of hair, and springs in the pockets urging the plates outwardly from the pockets to a position across the grooves into position for engaging between and spreading the prongs of hair pins inserted forwardly into the grooves, outer ends of said plates having edges constituting cams engageable by rear portions of forwardly moving hair pins to automatically move the plates to a retracted position allowing movement of the prongs to their normal hair-gripping position.

2,570,207

SYNCHRONIZING ARRANGEMENT FOR MULTIPLEX ELECTRICAL PULSE COMMUNICATION SYSTEMS

Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

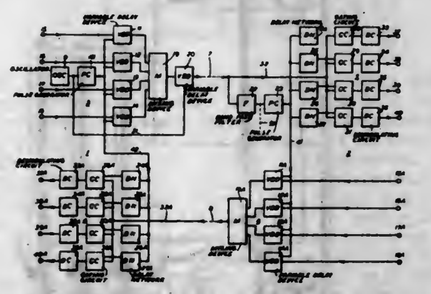
Application January 4, 1946, Serial No. 639,130

In Great Britain January 3, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires January 3, 1965

6 Claims. (Cl. 179—15)



1. A transmitting arrangement for a multichannel electric pulse communication system comprising means for generating a plurality of trains of channel pulses having the same repetition frequency but differently phased, means for time modulating each of the said trains in accordance with a signal to be carried by the channel, means for mixing together all the said trains to produce a combined train of pulses, means for time modulating the said combined train in accordance with a periodic synchronising signal, and means for transmitting the modulated combined train over a communication medium.

2,570,208

ELECTRONIC SWITCH

Trevor H. Clark, Boonton, N. J., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application October 8, 1947, Serial No. 778,574

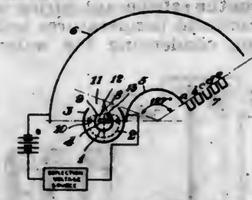
In France August 21, 1939

Section 1, Public Law 690, August 8, 1946

Patent expires August 21, 1959

8 Claims. (Cl. 315—21)

1. An electron discharge device comprising a cathode, means for assisting the emission of electrons from said cathode, a collimatic electrode positioned around said cathode and having an opening for the passage of electrons to form a beam, an accelerating electrode positioned around said cathode and collimatic electrode and held at a given positive potential with respect to said cathode, and an electron retarding



electrode held at a potential lower than said accelerating electrode surrounding said cathode and said last two electrodes and having an opening in alignment with the opening in said collimatic electrode to reduce the speed of the electrons passing through said openings without modifying the direction of those electrons which have the desired direction of propagation.

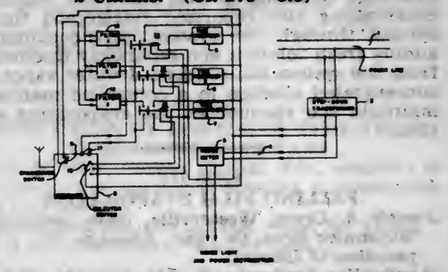
2,570,209

TELEVISION PROGRAM METERING SYSTEM

Albert Cotsworth, III, Oak Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application May 1, 1948, Serial No. 24,498

2 Claims. (Cl. 178—5.6)



1. A television system tunable to any selected one of a plurality of channels including a subscription channel over which a television signal is received in coded form, and connectable to a power line which transmits a decoding signal for said television signal having a discretely different frequency from that of a power signal concurrently transmitted over said line, said system comprising: a tunable receiver for utilizing signals received over any of said channels; a filter network coupled to said power line for separating said decoding signal from said power signal; a time recorder for recording the time of use of said decoding signal by said system; and a switch actuated concurrently with the tuning of said receiver to connect said filter to said receiver and to energize said recorder during operating intervals when said receiver is tuned to said subscription channel.

2,570,210

EVAPORATION METHOD AND APPARATUS

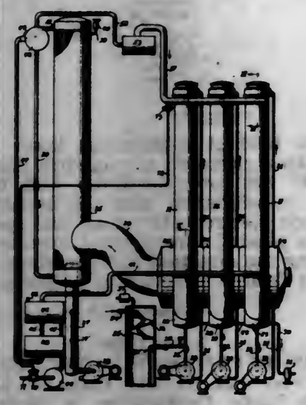
Joseph A. Cross, Chicago, Ill., assignor to Mojonnier Bros. Co., Inc., Chicago, Ill., a corporation of Illinois

Application November 30, 1945, Serial No. 631,922

23 Claims. (Cl. 159—17)

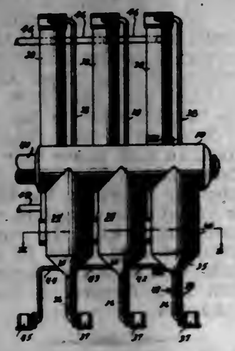
1. A continuous process for evaporating a heat-sensitive water-containing solution under vacuum

at relatively low temperatures comprising utilizing the latent heat contained in a compressed refrigerant gas for boiling the solution to extract water vapor therefrom, liquifying and cooling the refrigerant to a temperature substantially below the temperature of the water vapor, continuously discharging from the system sufficient of the heat extracted from the refrigerant during said cooling to maintain uniform temperatures and pressures in the system, condensing the water vapor to



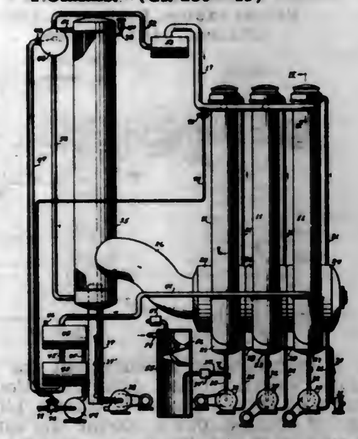
produce a vacuum on the boiling solution by vaporizing the cooled liquid refrigerant in heat exchange relationship with the water vapor, recompressing the vaporized refrigerant for recycling through the system, and continuously adding fresh solution and separately discharging from the system the condensed water vapor and concentrated solution in a controlled manner to maintain the vacuum on the evaporating solution.

2,570,211
FALLING FILM EVAPORATOR
Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill., a corporation of Illinois
Application September 9, 1946, Serial No. 695,641
4 Claims. (Cl. 159—13)



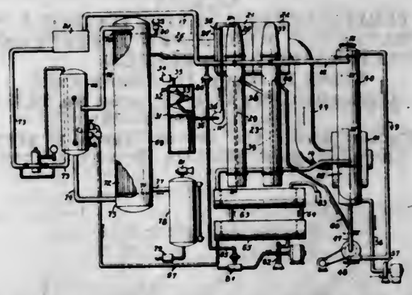
3. An evaporator comprising a series of vertical tube chests each having vertical tubes and top and bottom plates retaining the tubes, means for supplying heating fluid to the space surrounding the tubes in each chest, heating fluid exhaust means connected with each tube chest, top and bottom chambers in each tube chest with which the tubes communicate, removable open ended film feed control tubes resting on the top plates extending downwardly a short distance only into the upper ends of the tubes and rising above the top tube plates, an enlarged vapor separator associated with each chest for expanding the vapors received from the lower ends of the tubes and for separating liquid droplets therefrom, the top chamber having an outlet for vapor only through said control and chest tubes, means connected for delivering vapor and droplets from each bottom chamber into the associated separator, means connected with the lower portion of each separator including a pump for returning liquid therefrom to the top chamber of the associated tube chest for return flow through said vertical tubes, vapor outlet means connected with the upper portion of each separator, pipes connecting the bottom portions of each separator with the next adjacent separators to effect liquid flow in one direction from the first successively through to the last in the series of separators, means for supplying to the first tube chest-evaporator unit liquid to be evaporated and means for withdrawing from the last in the series of tube chest-evaporator units the concentrated liquid.

2,570,212
MILK EVAPORATION PROCESS
Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill., a corporation of Illinois
Application September 9, 1946, Serial No. 695,642
4 Claims. (Cl. 159—49)



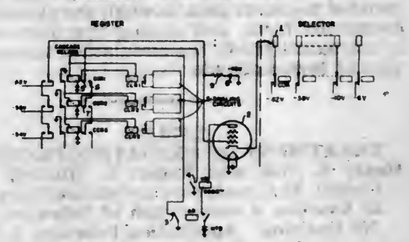
3. A continuous constant output process for evaporating milk while maintaining the milk far below its pasteurization temperature range comprising continuously compressing a refrigerant gas to its liquefaction pressure corresponding to a temperature within the range at which the milk evaporates in the process, continuously flowing the milk from its initial dilute stage to its concentrated stage and discharge from the system over a series of heat exchange surfaces whereon films of the solution at successively higher concentrations on successive heat exchange surfaces are maintained at substantially no hydraulic head, evaporating water from the films on said surfaces by absorption of the latent heat of liquefaction of the refrigerant gas introduced into the heat exchanger, cooling the refrigerant liquefied during the heat exchange with said milk to a temperature lower than the water vapor temperature, evaporating the cooled liquid refrigerant in a condenser by heat exchange with said water vapor and thereby condensing said water vapor, utilizing the condensation of said water vapor for maintaining a high vacuum on the milk undergoing evaporation, continuously evacuating the condensed water vapor and concentrated milk from the process, recompressing the vaporized refrigerant for reuse in the evaporation of the milk, and maintaining substantially constant refrigerant pressures and temperatures on a constant compressor output by discharging under control of the compressed gas pressure from the process some of the heat extracted from the refrigerant during said cooling that would otherwise be retained and recycled by the refrigerant.

2,570,213
MILK EVAPORATION PROCESS AND APPARATUS
Joseph A. Cross, Westerville, Ohio, assignor to Mojonnier Bros. Co., Inc., Chicago, Ill., a corporation of Illinois
Application December 16, 1946, Serial No. 716,581
4 Claims. (Cl. 159—13)



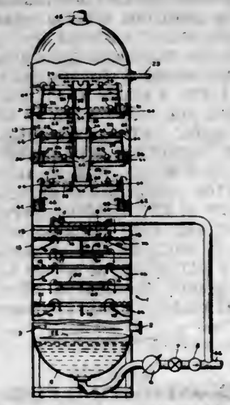
4. A continuous process for evaporating milk comprising continuously feeding fluid milk into an evaporator system and partially concentrating the milk in each of a plurality of successive stages of successively higher concentration by flowing the milk through successively communicating but otherwise segregated vertical tubular heat exchangers, causing the milk to recirculate in several of the stages by repeatedly flowing it upwardly through vertical tubes in said heat exchangers and downwardly outside of said heat exchangers, continuously diverting a portion of the milk from the heat exchanger in one stage to the heat exchanger in the next succeeding stage, utilizing as a heating medium in each of the stages where the milk flows upwardly through the tubes a compressed refrigerant gas having a saturated temperature sufficiently higher than the milk temperature to effect water vapor separation from the milk throughout substantially the entire height of the tubes, cooling to a temperature below the water vapor temperature the refrigerant gas which has liquefied during heat exchange with the milk in said heat exchangers, utilizing the cooled liquid refrigerant in heat exchange with the water vapor to condense the latter while vaporizing the refrigerant, continuously discharging under vacuum the condensed water vapor from the system, continuously discharging concentrated milk from the system, recompressing the vaporized refrigerant and re-using it as a heating medium as aforesaid, and continuously and regulatably eliminating from the refrigerant being recycled in the process substantially the amount of heat, which has been added thereto as heat of compression, for maintaining constant operating pressures and temperatures of the refrigerant in the system.

2,570,214
SECOND TEST CIRCUIT FOR SELECTOR WIPERS
Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 14, 1946, Serial No. 697,145
7 Claims. (Cl. 179—18)



1. A telecommunication circuit for making a second test of a connection already made by a test wiper of a selector to one of the selector test contacts comprising voltage means for applying discrete voltages to the test contacts of said selector, a voltage comparing means having two input circuits and an output circuit which becomes energized when the voltages applied to the input circuits bear a predetermined relation, means for connecting one of said input circuits to said test wiper, means for applying a rapid succession of discrete voltages to the other input circuit, and means coupled with the output circuit of said comparing means for signalling which of the discrete voltages has caused the energization thereof.

2,570,215
PRODUCTION OF FORMALDEHYDE FROM OXIDATION OF BUTANE
Henry K. Dice, Corpus Christi, Tex., assignor to Celanese Corporation of America, a corporation of Delaware
Application January 5, 1949, Serial No. 69,353
7 Claims. (Cl. 260—604)



1. In a process for the production of mixed oxygenated organic compounds by the vapor phase partial oxidation of butane at an elevated temperature, wherein a mixture of hot reaction gases including formaldehyde, acetaldehyde, methanol, acetone, and methyl ethyl ketone is formed, the steps which comprise circulating an aqueous solution of formaldehyde, bringing the hot reaction gases into contact with said aqueous

solution of formaldehyde to halt the oxidation reaction and to extract preferentially from the reaction gases a portion of the formaldehyde contained therein, bringing the reaction gases into contact with water to extract preferentially the unabsorbed formaldehyde in said reaction gases to form a dilute solution of formaldehyde while the major portion of the remaining oxygenated products pass through the system in uncondensed form, and adding the dilute solution of formaldehyde to the circulating aqueous solution of formaldehyde.

2,570,216

TREATMENT OF OXIDATION PRODUCTS

Henry K. Dice and Robert L. Mitchell, Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 3, 1949, Serial No. 74,467
12 Claims. (Cl. 260—452)

1. In a process for the production of mixed oxygenated organic compounds by the vapor phase partial oxidation of aliphatic hydrocarbons wherein a mixture of hot reaction gases is formed, the steps which comprise subjecting the hot reaction gases to intimate contact with a cool liquid medium comprising essentially an aqueous solution of formaldehyde and maintaining the acidity of the hot aqueous solution formed at a pH of no less than about 4.0 by the addition of an inorganic alkaline neutralizing agent.

2,570,217

CONCENTRATION PROCESS

Henry K. Dice and Robert L. Mitchell, Corpus Christi, Tex., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application November 5, 1949, Serial No. 125,834
3 Claims. (Cl. 260—452)

1. In a process for the separation and purification of the oxygenated organic compounds in the mixture of hot reaction gases produced by the vapor phase partial oxidation of aliphatic hydrocarbons, said hot reaction gases containing formaldehyde, which process includes absorbing a portion of the products including the formaldehyde in an aqueous formaldehyde quenching medium to form a crude formaldehyde solution and absorbing the remainder of the oxygenated products in water to form a solution thereof, the steps which comprise separating the organic compounds in the aqueous solution of said remainder of the oxygenated organic compounds by a plurality of distillation operations yielding a plurality of separate streams while maintaining the pH of each of the streams on the acid side and at a pH of about 4.0 to 6.5 by adding a neutralizing agent thereto to effect a reduction in the normal acidity of said streams.

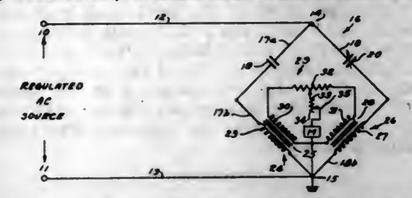
2,570,218

REMOTE-INDICATING FUEL GAUGE

Michael J. Draganjac, Allegheny County, Pa.

Application June 19, 1947, Serial No. 755,762
4 Claims. (Cl. 73—304)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A bridge circuit having two parallel branches, each branch including a condenser equaling the other condenser in capacity and a transformer primary winding connected in series, a closed secondary circuit including the secondary windings of said transformers and a resistance connected in series, said secondary windings being poled so that the voltages add, a slider on said resistance, a rheostat connected to said



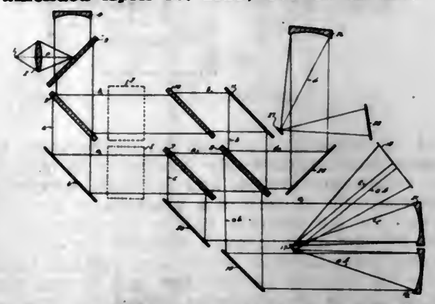
slider, a milliammeter of the rectifier type connected between said rheostat and a point between said secondary windings, said slider and rheostat serving to control the null position of the milliammeter and means for applying alternating voltage across said branches.

2,570,219

INTERFEROMETER DEVICE HAVING A PERMANENTLY POSITIONED INTERFERENCE PATTERN VIEWING SCREEN

Robert M. Drake, Jr., Albany, Calif.

Application May 31, 1949, Serial No. 96,384
1 Claim. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an interferometer, means for producing a primary beam of collimated light, a partially transparent plane beam splitting mirror inclined across the primary beam for dividing the primary beam into two partial light beams diverging from each other; plane full mirrors inclined across the partial beams in parallel relation to the beam splitting mirror for reflecting the partial beams across each other, one partial beam being adapted to contain a test medium and constitute a test beam and the other partial beam comprising a comparison beam; a second partially transparent beam splitting mirror inclined across the reflected partial beams at the point of intersection in parallel relation to the first partially transparent mirror for passing a portion of each of the partial beams therethrough and reflecting a portion of each of the partial beams therefrom to form two interference beams leaving the opposite sides of the partially transparent mirror in angular relation to each other; a third partially transparent plane mirror inclined across the test beam intermediate the test medium and a second partially transparent mirror in parallel relation to the second partially transparent mirror for reflecting a portion of the test beam laterally in parallel relation to one of the interference beams to form a Schlieren beam; full plane mirror means in the reflected portion of the test beam and in the Schlieren beam, disposed in parallel relation,

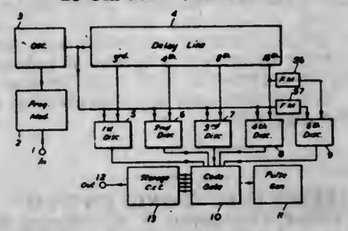
for reflecting the last mentioned portions of the test and Schlieren beams in adjacent parallel relation; concave mirrors tilted toward each other in each of the last mentioned parallel reflected portions of the interference and Schlieren beams to dispose their focal points between the last mentioned reflected light beam portions; a plane mirror inclined across the beam portions reflected by the concave mirrors at substantially the concave mirror focal points for reflecting the last mentioned beam portions to a common image plane in adjacent side by side relation; a screen disposed in said image plane for receiving the reflected interference and Schlieren beam portions thereon to form interference and Schlieren images; a plane full mirror inclined across the other interference beam to reflect the same laterally; a concave mirror inclined across the said reflected portion of the other interference beams to dispose the concave mirror focal point at one side of the reflected portion of said other interference beam; a plane full mirror inclined across the focal point of the last mentioned concave mirror for reflecting the said other interference beam portion to an image plane; and an image viewing screen in the last mentioned image plane.

2,570,220

PULSE CODE MODULATION SYSTEM

Charles William Earp and Malcolm Frank Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 10, 1949, Serial No. 75,532
In Great Britain February 20, 1948
13 Claims. (Cl. 332—9)



1. An electric pulse code modulator for producing code groups of pulses representing a signal wave according to the staggered step (cyclic permutation) binary code, comprising means for frequency modulating a carrier wave in accordance with the signal amplitude between specified frequency limits, phase changing means adapted to derive from the original modulated wave a plurality of derived waves each of which is in quadrature with the modulated wave at $2r$ frequencies within the said frequency limits (where r is zero or a positive integer and has a different value for each derived wave) means for generating a pulse corresponding to each derived wave only when the said derived wave has a frequency which lies in alternate bands between adjacent pairs of the said $2r$ frequencies.

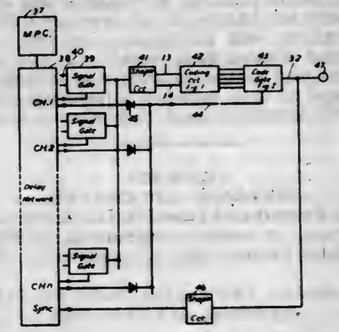
2,570,221

PULSE CODE MODULATION SYSTEM

Charles William Earp and Malcolm Frank Wintle, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application February 10, 1949, Serial No. 75,534
In Great Britain February 20, 1948
11 Claims. (Cl. 332—11)

1. An electric pulse code modulator employing a simple addition binary code of m units where m represents a given integer, comprising a sequence of m two-condition trigger devices each adapted to produce a given positive output potential difference when in the first condition and an equal negative output potential difference when in the second condition, and each adapted to be switched to the first and second conditions respectively on application thereto of negative and positive input potential differences, means for applying a signal potential difference to switch the first trigger device according to the sign of the signal potential difference, means for applying to each of the re-



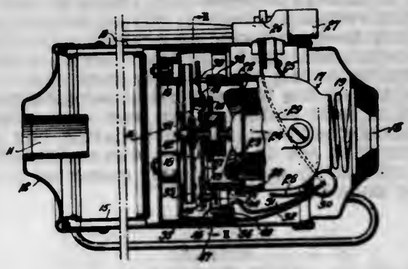
maining trigger devices a potential difference determined by the algebraic sum of the said signal potential difference and of the output potential differences of all the preceding trigger devices in the sequence and means for deriving from each trigger device a code potential having one of two fixed values corresponding respectively to the said first and second conditions, the value of the said given output potential difference for the rth trigger device of the sequence being proportional to $2(m-r-1)$ where r represents one of the integral values 1 to $m-1$ (inclusive).

2,570,222

ELECTRIC MOTOR

Lars Johan Faith Eli, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application April 19, 1947, Serial No. 742,553
In Sweden April 26, 1946
13 Claims. (Cl. 318—421)



1. In combination, a supply circuit, an electric motor connected therein and having resistance means associated therewith to avoid excessive starting current, a centrifugal fan driven by said motor, said fan having a central inlet and from the periphery of which air is discharged, a casing of tubular form in which said motor and fan are disposed for circulating air therethrough, a member disposed in its entirety in said casing in a plane transverse to the longitudinal axis there-

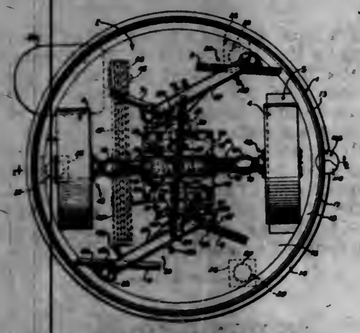
of and both transverse sides or faces of which are openly positioned in the path of movement of air which is circulated through said casing, means for pivoting said member for movement about an axis transverse to the longitudinal axis of said casing, said member being ineffective to completely block off movement of air flowing over the exposed surfaces thereof irrespective of the speed at which said fan is driven and ineffective upon any pivotal movement thereof to substantially alter or shift the manner in which movement of air is effected past such member, said member being pivotally movable in one direction responsive to changes in air pressure differential developed in said casing by said fan, resilient means for biasing said member in the opposite direction, and means responsive to predetermined movement of said member in said one direction for short-circuiting said resistance means.

2,570,223

MULLING APPARATUS

Leroy R. Everett and Ernest A. Hund, Chicago, Ill., assignors, by mesne assignments, to Pettibone Mulliken Corporation, a corporation of Delaware

Application July 3, 1948, Serial No. 37,043
4 Claims. (Cl. 259—108)



1. A mulling apparatus comprising a mulling pan having a bottom wall defining an annular mulling track, a central vertical drive shaft extending upwardly into said pan, a cross head fixed on the upper end of said shaft, two diametrically opposite muller assemblies mounted on said cross head for revolution therewith and for vertical swinging movement relative thereto, each mulling assembly including a muller roller revoluble along said track, and two suspension cables extending loosely and slidably over said cross head and serving to limit vertical swinging movement of said muller rollers, said cables being reversely positioned and each having one end anchored to one of the assemblies and its other end operatively and adjustably connected to the other assembly.

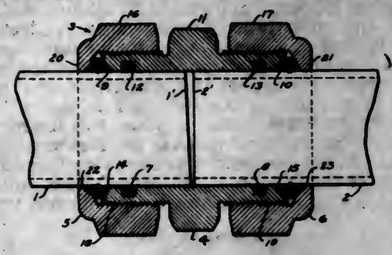
2,570,224

TUBE COUPLING

Thomas M. Fason, Knoxville, Tenn.

Application January 24, 1949, Serial No. 72,466
3 Claims. (Cl. 285—132)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A tube coupling device comprising, a tubular member having an inside diameter substantially equal to the outside diameter of a tube adapted for insertion therein, one end of said tubular member being beveled inwardly to provide a first annular cam surface and said end also being threaded along the outer cylindrical surface thereof, a securing nut engageable over said threaded outer end surface and including an annular end flange extending inwardly beyond said one end of said tubular member, said flange being beveled on the side adjacent to said one end of said tubular member to provide a second annular cam surface spaced from said first cam surface and sloping away from said one end of said tubular member, a split ring seated in the space between said first and second annular cam surfaces and adapted to be contracted by said cam surfaces upon tightening of said securing nut to cause said ring to tightly engage said tube,



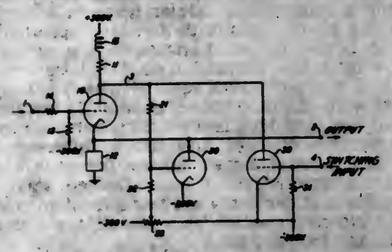
said ring being of circular transverse cross section throughout its circumference except for an internal groove around its inner circular edge, said groove having only two intersecting annular walls one of which is perpendicular to the central axis of said ring, coincident with the medial plane of said ring and facing toward said one end of said tubular member, and the other of said annular walls extending parallel to the central axis of said ring, intersecting said one wall at the circle of greatest diameter thereof and forming a stop surface to limit the extent of indentation of the outer surface of said tube by the inner circular edge of said ring upon tightening action by said securing nut.

2,570,225

SERIES ELECTRONIC SWITCH

Jean H. Felker, Livingston, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 13, 1950, Serial No. 149,422
2 Claims. (Cl. 250—27)



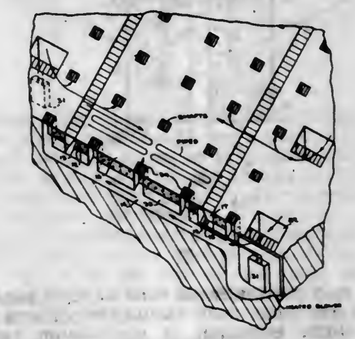
1. In combination, a first multielement vacuum tube comprising an anode, a cathode and a control element, an input circuit connected to said control element, an impedance element connected to the anode of said first tube, another impedance element connected to the cathode of said tube, a second multielement vacuum tube comprising an anode, a cathode and a control element, a coupling network connecting said control element of said second tube to the anode of said first tube, a connection between the cathode of said first tube and the anode of said second tube, an output circuit connected to said cathode of said first tube and to said anode of said second tube, a third multielement electronic tube comprising an anode, a cathode and a control element, connections between the anode of said first tube and the anode of said third tube, and means for applying a switching voltage to the control element of said third tube.

2,570,226

AIRPORT HEATING AND AIRPORT FOG DISPERSAL

Paul Ludwig Geiringer, Bronxville, N. Y.

Application October 30, 1947, Serial No. 783,103
6 Claims. (Cl. 237—1)



1. In a method of heating, a surface layer such as a pavement, the steps comprising, heating substantially incompressible fluid to an elevated temperature beyond the atmospheric boiling temperature thereof while at the same time subjecting it to pressure sufficient to maintain the liquid status thereof, storing the heated fluid at substantially said elevated temperature and pressure, thereafter conducting said fluid at a selectively variable rate of flow to said surface layer for transferring heat thereto, and subsequently returning the fluid to the starting point for reheating and subsequent storing and maintenance thereof under constant pressure.

2,570,227

WITHDRAWN

2,570,228

ADJUSTABLE RELIEF VALVE FOR PRESSURE COOKERS

Erik G. Grundstrom, Chicago, Ill., assignor to Advance Aluminum Castings Corp., Chicago, Ill., a corporation of Illinois

Application February 5, 1948, Serial No. 6,393
7 Claims. (Cl. 137—53)



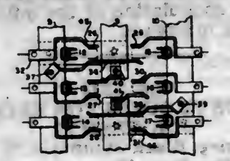
1. A valve comprising a tubular body having a restricted orifice in one end and a valve seat at the inner end of said orifice, a reciprocable valve member in said body arranged to engage the valve seat by gravity, said body having a longitudinal slot provided therein, a weight reciprocable in said body and supported by said valve member predetermining a pressure in the orifice necessary to unseat the valve member, an operating handle projecting from said weight through said slot to permit manually lifting said weight to unseat said valve member from outside said body independently of the pressure in said orifice, at least one other weight reciprocable in said body and adapted to rest on the first weight to predetermine by the aggregate weight of the weights a higher pressure in the orifice necessary to unseat the valve member, said body having a bayonet slot provided therein communicating with the longitudinal slot, and an operating handle on the second weight projecting therefrom for engagement selectively in either of said slots, the bayonet slot being so located as to elevation in relation to said first weight for support of the other weight in raised retracted position when the handle on said other weight is engaged in said bayonet slot.

2,570,229

ELECTRIC SWITCH FOR PANELS, ETC.

Herman J. Hammerly and Albert H. Veitch, Plainville, Conn., assignors, by mesne assignments, to General Electric Company, a corporation of New York

Application September 14, 1948, Serial No. 49,175
2 Claims. (Cl. 175—369)



1. In a panel board construction, three parallel bus bar members, the central bar member having sections spaced apart, a switch contact member mounted on each of said sections of the central bus bar member, one of said contact members extending toward one of said side bus bar members and the other contact member extending toward the other side bus bar member, a contact member mounted on each of the side bus bar members for cooperating with one of the previously mentioned contact members, a switch member movable between each pair of the respective cooperating contact members, conducting straps detachably connecting the spaced sections of the central bus bar member to the respective side bus bar members and a conducting strip for connecting said sections when said straps are disconnected.

2,570,230

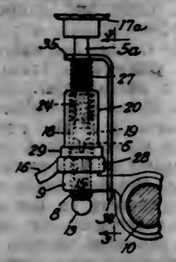
TAPPET ADJUSTING TOOL

Joseph Hammond, Rockford, Ill.

Application December 7, 1946, Serial No. 714,711
7 Claims. (Cl. 81—3)

3. A tool of the character described for use in adjusting a screw that is locked with a nut that is threaded thereon, said tool comprising a screw driver bit having a coaxial shank portion, a sleeve slidable on the shank and having an end portion normally projecting beyond the bit for engagement over the end portion of a screw and serving to confine therebeneath a wrench applied to the nut while the screw driver bit is

operatively engaged on the screw, a coiled compression spring surrounding said shank and urging said sleeve outwardly, and a hook member in spaced substantially parallel relation to

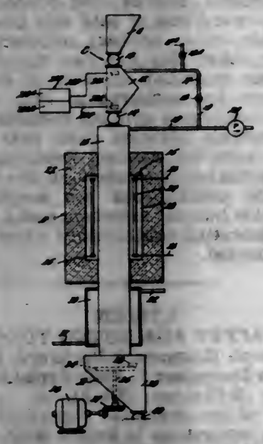


the shank and having a transverse upper end portion remote from the hook slidable on the shank and abutting the upper end of said spring remote from the sleeve.

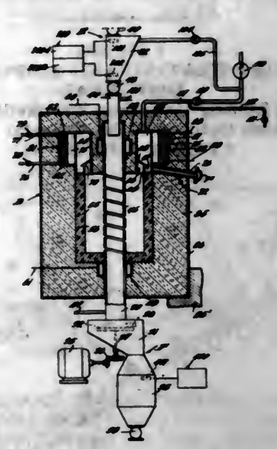
2,570,231
CONDENSED MILK COMPOSITION AND ITS PREPARATION
Francis Frederick Hansen, Pittsburgh, Pa.
No Drawing. Application January 4, 1946, Serial No. 639,151
8 Claims. (Cl. 99—55)

1. A composition of matter comprising sweetened condensed skim milk containing a minor amount of an edible calcium salt, calcium acid lactate, said calcium salt being effective for inhibiting heat coagulation of the milk or thickening of the milk in storage.

2,570,232
CONTINUOUS PROCESS FOR RECOVERY OF MAGNESIUM
Fritz J. Hanagirg, Black Mountain, N. C., assignor to North Carolina Magnesium Development Corporation, Asheville, N. C., a corporation of North Carolina
Application June 26, 1945, Serial No. 601,701
6 Claims. (Cl. 75—67)

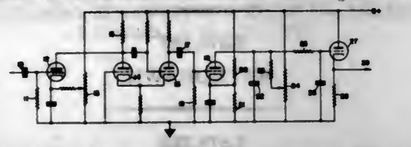


1. A continuous process for the recovery of metallic magnesium which is applicable to the thermal reduction method involving non-carbothermal reduction of magnesium and which will not evolve gaseous products, and to the evaporation of magnesium contained in the dust produced by thermal reduction methods; which process comprises establishing two consecutive treatment zones under separate vacuum conditions, the first for pretreatment and the second for evolution of magnesium; feeding successive charges of raw material through the pretreatment zone and thence into the second named zone without exposure to the atmosphere or substantial loss of vacuum in either zone; heating the charges



while in said pretreatment zone at such elevated temperatures under such vacuum conditions that only a slight evolution of magnesium vapors begins to take place and any occluded gases are removed; heating said charges after they have been moved to the second named zone to a high temperature under vacuum conditions to evolve magnesium vapor; and condensing said vapor.

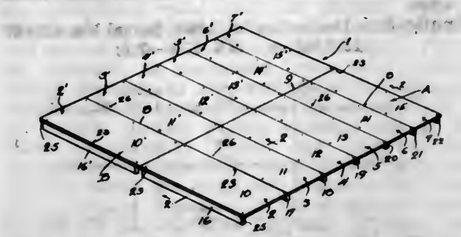
2,570,233
AUTOMATIC GAIN CONTROL FOR PULSE AMPLIFIERS
Franklin H. Harris, Jr., United States Navy
Application December 13, 1945, Serial No. 634,878
5 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A means for controlling the gain of a pulsed signal amplifier which comprises, a pulse amplitude discriminator coupled to the output of said pulsed amplifier operative to reject pulses below a predetermined level, a pulse generator for generating a pulse in response to a pulse from said discriminator, and means integrating the output from said pulse generating means to form a control potential.

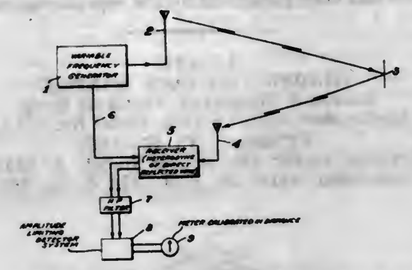
2,570,234
PORTABLE FLOOR CONSTRUCTION
Philip W. Harris, Milwaukee, Wis.
Application April 16, 1946, Serial No. 662,428
1 Claim. (Cl. 20—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A portable floor construction comprising a series of separable sections joined together in edge-to-edge relationship, one end section being relatively wide and consisting of a panel and a pair of joists connected to the lower side thereof, one of said joists having an edge extending beyond the adjacent edge of the panel and the outer side of the other of said joists coinciding with the opposite edge of the panel, the other sections each consisting of a panel and a single joist, all of said other sections but one having an edge extending beyond the adjacent edge of the panel,



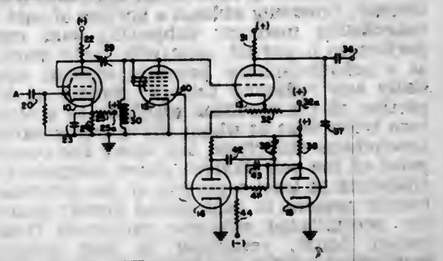
the free edges of said panels being supported on the exposed portions of the adjacent joists, all of said sections being of graduated widths, the greatest width of a section having a single joist being less than the width of said one end section, the aggregate thickness of the panels having a single joist corresponding to the height of a joist; whereby the sections may be stacked one within the other with the top of the stack of panels flush with the free ends of the joists of the relatively wide section.

2,570,235
DEVICE FOR MEASUREMENT OF THE DISTANCES OF OBSTACLES
René A. E. Higonnet, Saint-Cloud, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 1, 1946, Serial No. 673,769
In France April 12, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1960
4 Claims. (Cl. 343—14)



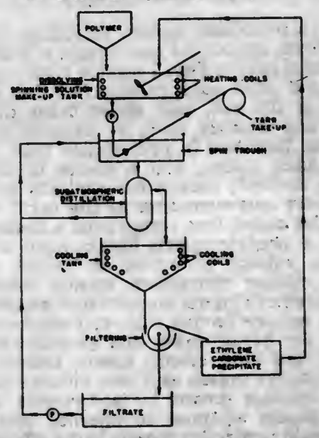
1. A distance determining system comprising means for transmitting frequency modulated radio waves having successive relatively abrupt changes in frequency rate between relatively gradual changes in frequency rate, means adjacent to the transmitter for receiving said waves directly from said transmitting means and also after a delay by reflection from an object, means for heterodyning the directly received waves and the reflected waves to produce a resultant pulse wave in which the pulse energy varies in accordance with variations in the interval between the direct reception of waves changing abruptly in frequency and reflected reception of the same waves, and means for measuring the energy of said pulse wave and thereby determining the distance from the transmitting and receiving means to said object.

2,570,236
DISCRIMINATOR CIRCUIT
Conrad H. Hoeppner, Washington, D. C.
Application April 28, 1945, Serial No. 590,863
6 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a pulse transmission system a method of pulse width and space discrimination, which comprises, causing the leading edge of each input pulse to start in one phase a train of damped oscillations, causing the trailing edge of each input pulse to start, in an opposite phase, another train of damped oscillations, subjecting to amplification a portion of the resulting oscillations, said portion being that part of the oscillations that exceeds a predetermined voltage level, said voltage level being of a value which may only be exceeded when the oscillations started by the leading and trailing edges of a selected number of input pulses reinforce one another, and then, in response to said last-named operation, abruptly subjecting the remaining portion of said oscillation to critical damping.

2,570,237
SPINNING OF ACRYLONITRILE POLYMERS
Gilman S. Hooper and Gerald A. McFarren, Bay Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 17, 1950, Serial No. 168,838
21 Claims. (Cl. 18—54)



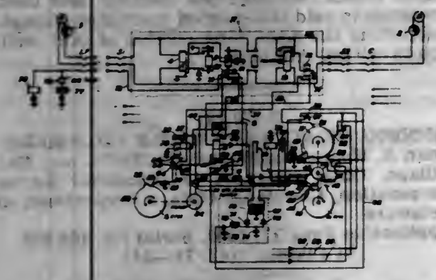
1. In the process of producing shaped articles from a polymeric spinning solution comprising

an acrylonitrile polymer containing in the polymer molecule at least 80% by weight of acrylonitrile and ethylene carbonate as a solvent for said polymer, the steps comprising, extruding said spinning solution into a liquid coagulating medium comprising ethylene carbonate and a water-soluble polyalkylene glycol having the formula

$$HO—A—(O—A)_n—OH$$

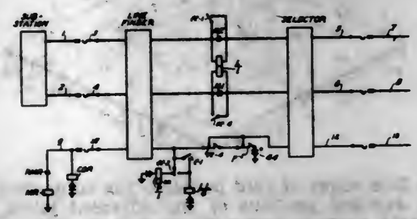
wherein A is an alkylene group having not less than two nor more than three carbon atoms and n is an integer greater than one, and mixtures thereof; removing at least a portion of said liquid coagulating medium; subjecting said removed portion to a partial, relatively rapid distillation at a subatmospheric pressure without substantially any refluxing thereof; cooling at least a portion of the resulting distillate to a temperature below that at which the ethylene carbonate precipitates therefrom but above the congealing point of the polyalkylene glycol compound; precipitating at least a portion of the ethylene carbonate present in said cooled liquid; separating the precipitated ethylene carbonate from the cooled liquid; returning to said coagulating medium at least a portion of the liquid resulting from said separation and at least a portion of the undistilled liquid remaining from said partial distillation; and repeating the cycle.

2,570,238
METERING ARRANGEMENT FOR TELEPHONE SYSTEMS
Henry L. Horwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1945, Serial No. 601,097
3 Claims. (Cl. 179—9)



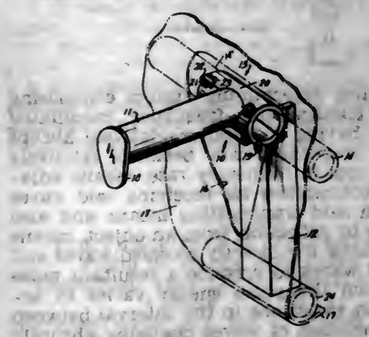
1. In a telephone system including calling and called lines, means for connecting a desired called line with a calling line, a service meter operatively associated with said calling line for making a record of the call, said meter being operable to record one or more units in response to received metering impulses in accordance with the number of such pulses, and a source of alternating ringing current; means for applying impulses to said meter corresponding to the tariff zone of a particular called line, comprising a discharge tube having a predetermined break-down and extinguishing voltage connected in circuit with said meter, voltage conversion means connected to said source of ringing current and adapted to develop a voltage having a D.-C. component in excess of the break-down and extinguishing voltages of said tube, circuit means interconnecting said discharge means and said voltage conversion means, contact means in said circuit, and controller means adapted to operate said contact means, said controller means being effective upon an answer-back condition on the called line to operate said contact means to apply rectified voltage pulses of a number corresponding to the number assigned to the tariff zone of the particular called line across said tube and said meter.

2,570,239
TIME ZONE TELEPHONE METERING SYSTEM
Henry Leopold Horwitz, Rutherford, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application December 15, 1948, Serial No. 65,467
13 Claims. (Cl. 179—7.1)



12. In an automatic telephone system, subscriber's lines, automatic selectors and impulse repeaters for establishing connections from calling to called lines, service meters connected to said subscriber's lines and selectively operable to record one or more counts as determined by the impulse repeater employed in an established connection, an interrupter circuit connected to be seized in common by two or more impulse repeaters, means under control of the interrupter circuit for operating the service meters, first and second marker switches included in the interrupter circuit, the first marker switch being controlled by timed stepping relays and operative to actuate the first means, the second marker switch being advanced one position for each complete cycle of the first marker switch, relays individual to each impulse repeater operable to prevent the reoperation of the service meter and to count the cycles of the second marker switch, a circuit for the relays, and means included in said circuit for rendering the interrupter circuit operative to reoperate the service meters after a predetermined time has been measured by the repeater circuit.

2,570,240
GLIDER TAIL JACK HANDLE
Rowell S. Houghton, Portland, Oreg.
Application April 19, 1946, Serial No. 663,338
3 Claims. (Cl. 16—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A tail jack handle lifting device for an aircraft glider having a skin covering formed with a hand grip recess therethrough, an upper cylindrical longitudinal frame bar member extending across the upper portion of the recess to provide a cylindrical hand-hold bar portion, a lower longitudinal frame bar member extending below the upper cylindrical frame bar member in vertically spaced relation thereto; said tail jack handle lifting device comprising an elongated handle portion formed at one end with a semicylindrical bearing portion straddling half of the cylindrical hand-hold bar portion and its other end projecting through the hand grip recess at one side of the lower longitudinal frame bar member, an elongated brace stop member rigidly secured to the semicylindrical bearing portion and extending therefrom at an angle to the handle portion at the opposite side of the lower longitudinal frame bar member and engageable with the lower longitudinal frame bar member below the hand grip recess to limit outward swinging movement of the elongated handle portion to an operative position through said hand grip recess, a semicylindrical cap member straddling the other half of the cylindrical hand hold bar portion, and means detachably securing the cap member to the semicylindrical bearing portion for retaining the handle bar lifting device on the hand-hold bar portion.

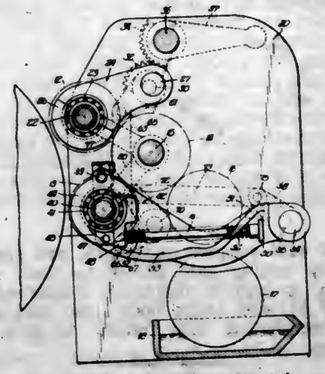
2,570,241
PULSATION DAMPENER
Arthur J. L. Hutchinson, Houston, Tex., assignor to Fish Engineering Corporation, Houston, Tex., a corporation of Delaware
Application October 9, 1948, Serial No. 53,725
8 Claims. (Cl. 230—236)



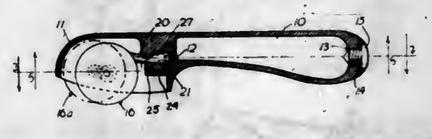
6. A pulsation control system for dampening vibrations set up in a fluid flow line connected to a compressor, said system comprising, a pair of equal minimum volume acoustical capacitance chambers, an acoustical inductance conduit interconnecting the chambers, means of substantially uniform diameter connecting one chamber to a compressor, means connecting a header to the conduit at a point adjacent the other chamber to which fluid from the said other chamber must return by the same path over which it enters said other chamber.

2,570,242
DAMPENING ROLLER TRIP
Harry T. James, Chicago, Ill., assignor, by mesne assignments, to Michle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 20, 1947, Serial No. 749,392
2 Claims. (Cl. 101—145)

1. In tripping mechanism for dampening rollers, in combination, a plate cylinder carrying a printing plate, a distributing roller, an upper dampening roller and a lower dampening roller positioned in superposed relation and having operative and inoperative positions, a pair of spaced arms for each dampening roller which journal the roller and support the same in contact with the distributing roller, eccentric means for mounting said arms for pivotal movement, mechanism operatively connecting the eccentric means for the upper roller with the eccentric means for the lower roller, and a manually controlled lever associated with said mechanism for effecting adjustment of all said eccentric means in unison to thereby trip said rollers to and from said positions, said lever also being operable whereby to infinitely vary the pressure of said rollers on said cylinder while in their operative position.



2,570,243
COATING ROLLER DEVICE
Everett A. Johnson, Park Ridge, Ill.
Application July 5, 1947, Serial No. 759,097
9 Claims. (Cl. 91—62.5)

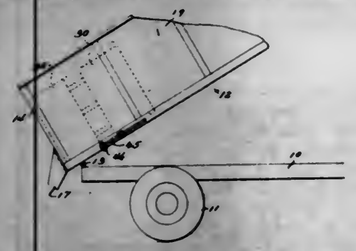


1. An apparatus comprising a substantially cylindrical fluid reservoir adapted to be grasped by the hand for manipulating the apparatus, a discharge port in one end of said reservoir, a dispensing roller, a removable support for said roller threaded to said reservoir about said port and having a fluid passage communicating with said port, guide slots in said support, said slots being spaced a distance from the lower edge of said support means and terminating at a distance which is less than the radius of said roller, a shaft for said roller rotatably mounted in said slots, a wick means in said fluid passage, a flow control disc interposed between said port and said wick means, a discharge orifice in said disc, a second enlarged orifice in said disc, and a conduit extending inwardly from said second orifice to a point remote from said discharge port.

2,570,244
DUMP TRUCK SCRAPER
Eugene R. Jones, Glassboro, N. J.
Application September 7, 1949, Serial No. 114,348
3 Claims. (Cl. 214—83.3)

1. In a dump truck, the combination with a wheeled frame, a body supported by said frame and mounted for pivotal movement about a horizontal axis, said body including a floor, a pair of spaced parallel sidewalls projecting from said floor, a discharge chute projecting from the rear end of said body, of a manually operable means for scraping the remaining contents from said

body and pushing the remaining contents through said discharge chute, said last named means comprising a support member arranged adjacent each sidewall of said body and pivotally connected thereto, a plate slidably connected to



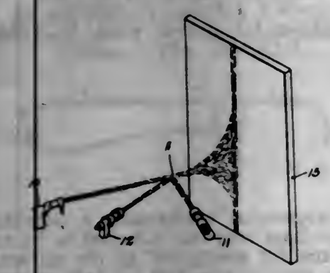
each of said support members, coil springs for normally urging said plates to their extended position, a handle pivotally connected to the exterior of said truck body, and means operatively connecting said handle to said support members.

2,570,245

METHOD OF SPRAYING TRANSPARENT COATINGS

Albert E. Junge, New Kensington, Pa., assignor to Pittsburgh Plate Glass Co., a corporation of Pennsylvania

Application April 2, 1948, Serial No. 18,610
2 Claims. (Cl. 117—105)



2. In a method of providing a transparent refractory base with a transparent coating by spraying stannic chloride upon the base while the base is heated above 500° F. but below the temperature at which the base is molten, the steps which comprise effecting the spraying operation by directing a pair of sprays of stannic chloride at an angle of less than 180° toward a point of intersection, whereby the sprays impinge, directing an air blast toward said point along a line which divides said angle, and moving the heated base through the path of the resultant spray.

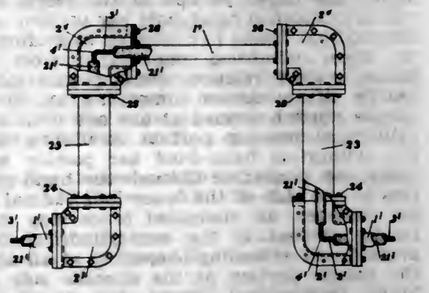
2,570,246

EXPANSION MEANS FOR JACKET OR CONDUIT SYSTEMS

Edward W. Kaiser, Chicago, Ill.

Application November 22, 1943, Serial No. 511,366
6 Claims. (Cl. 138—25)

1. In combination, conduits and casings receiving the same therein and therethrough, certain of said casings being angularly disposed with relation to others thereof and spaced with relation to each other, and another of said casings being connected at its opposite ends to and communicating with the outer ends of said angularly disposed casings and disposed substantially parallel to said other casings, the internal cross-sectional areas of the angularly disposed casings



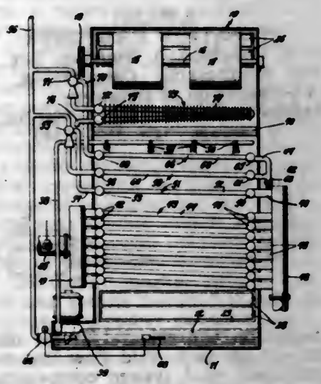
being materially greater than the external cross-sectional areas of the conduits received thereby.

2,570,247

CONDENSER

Walter Kals, New York, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York

Application January 5, 1945, Serial No. 571,388
3 Claims. (Cl. 257—37)



2. In a condenser for vapor containing non-condensible gases, means forming a casing, means passing a stream of atmospheric air through said casing, a main condensing coil in said casing in the path of the stream of air passing therethrough and having an inlet header and an outlet header, means for admitting the mixture of vapor and non-condensible gases into said inlet header, a gas devaporizing coil in said casing above said main condensing coil and in the path of the stream of air passing therethrough and having an inlet header arranged above said outlet header of said main condensing coil and an outlet header, a vertical condensate drain pipe connecting the outlet of said outlet header of said main condensing coil with the inlet of said inlet header of said gas devaporizing coil, a vertical tube in said vertical condensate drain pipe and having horizontal branches extending into said inlet and outlet to conduct the mixture of vapor and non-condensible gases from said main condensing coil to said gas devaporizing coil, said vertical tube being perforated to receive vapor and non-condensible gases from said vertical condensate drain pipe, and a gas ejector removing the non-condensible gases together with any remaining vapor from said outlet header of said gas devaporizing coil.

2,570,248

METHOD OF METALIZING AND BONDING NONMETALLIC BODIES

Floyd C. Kelley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 30, 1948, Serial No. 36,289
6 Claims. (Cl. 29—179.5)

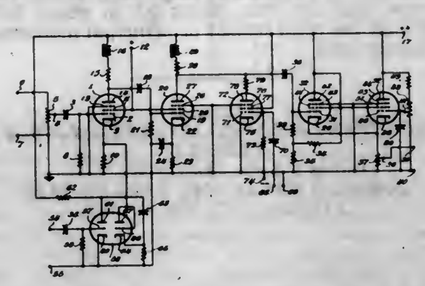
1. The method of bonding together two members, at least one of which is a non-metallic refractory member, which comprises preparing a mixture consisting essentially of titanium hydride and a solder metal, applying the mixture to the region of the refractory member or members to be bonded, placing the members with the regions to be bonded in contiguous relationship, dissociating the hydride and melting the solder metal by heating the members and coating to a temperature above 400° C.

2,570,249

COMBINING AND SEPARATING CIRCUITS

David E. Kenyon, Cold Spring Harbor, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application March 29, 1947, Serial No. 738,055
8 Claims. (Cl. 177—351)



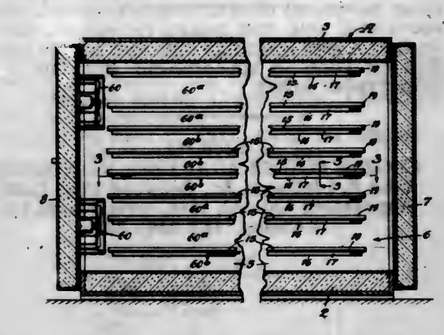
8. Apparatus for combining three input signals to provide a composite transmission wave and for receiving said composite wave and separating it into three output signals respectively corresponding to said three input signals, the first and third input signals being distinct pulse trains, comprising: first, second and third vacuum tubes; means for impressing the respective ones of said input signals upon the respective ones of said three vacuum tubes; means including a coupling between said first and second vacuum tubes for combining versions of the first and second of said input signals into a first composite signal with negative polarity high voltage pulses; a fourth vacuum tube; means including a coupling between the output circuits of said third vacuum tube and said fourth vacuum tube and a coupling between the output circuit of said second vacuum tube and the input circuit of said fourth vacuum tube for combining a version of said first composite signal with a version of said third input signal to provide the composite transmission wave; three separator circuit vacuum tubes; means for impressing said composite transmission wave upon a first of said separator circuit vacuum tubes, a coupling between said last-mentioned vacuum tube and a second of said separator circuit vacuum tubes; means associated with said last-mentioned vacuum tube for utilizing the output signals corresponding to the third input signal; means associated with said first separator circuit vacuum tube for utilizing the output signals corresponding to the second input signal; a coupling between said last-mentioned vacuum tube and the third separator circuit vacuum tube; means including an amplifier coupled to said last-mentioned vacuum tube for utilizing a third of said output signals; and means including a single-stability multivibrator and a voltage storage capacitor interposed between said third separator circuit vacuum tube and said amplifier for variably biasing said third separator circuit tube according to the output level of said amplifier, said multivibrator having its input circuit coupled to the output circuit of said amplifier and its output circuit connected to said capacitor and to the grid circuit of said third separator circuit vacuum tube.

2,570,250

TUNNEL FREEZER

Herman W. Kleist, Chicago, Ill., assignor to Dole Refrigerating Company, Chicago, Ill., a corporation of Illinois

Application October 20, 1948, Serial No. 55,447
5 Claims. (Cl. 62—102)



1. In a refrigerating device for freezing materials, a cabinet having walls of insulating material defining an open-ended passage, normally stationary shelves in said passage defining a plurality of parallel inter-shelf ducts, said shelves having end edges spaced inwardly from the ends of the passage, said shelves having evaporator coils for the evaporation of a volatile refrigerant, closures for the ends of the passage, and air circulating means aligned with some of the inter-shelf ducts and out of alignment with others of the inter-shelf ducts, said latter ducts constituting return passages for the circulated air.

2,570,251

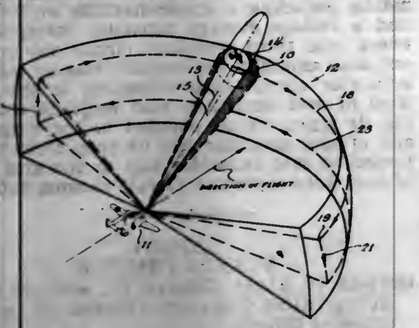
PULSE ECHO DIRECTION AND DISTANCE INDICATOR

John M. Lester, Hempstead, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application June 8, 1946, Serial No. 675,402
3 Claims. (Cl. 343—11)

3. Radar apparatus comprising intercoupled radar pulse transmitting and receiving means, directive antenna means coupled thereto, means for regularly sweeping said directive antenna means throughout a wide range of directions about a selected axis at a first rate and with low amplitude angular advances and retardations about said axis at a second rate far exceeding said first rate, oscillograph means coupled to said transmitting and receiving means and including a screen and a deflectable beam impinging thereon for illuminating a selected spot, means responsive to said low amplitude advances and retardations about

said axis for producing a first alternating voltage synchronous therewith, means responsive to the wide range sweeping of said directive antenna means about said selected axis for producing a second voltage synchronous therewith, means jointly responsive to said first and second voltages



for varying the deflection of said deflectable beam in a first direction according to the resultant angular movement of said directive antenna means about said axis, and means for varying the deflection of said beam in a direction transverse said first direction in synchronism with the transmitted radar pulses.

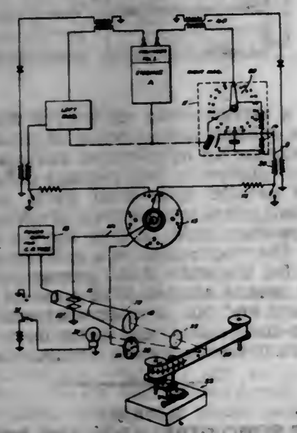
2,570,252

ENGINE POWER ANALYZER RECORDER

John E. Lindberg, Jr., Redwood City, Calif.

Application April 30, 1948, Serial No. 24,121

1 Claim. (Cl. 346—33)



A device to record indications representative of the operating condition of the ignition system in an internal combustion engine comprising a cathode ray tube, deflecting means for the electron beam in the tube, means to project an image of the electron beam trace on photographic film, actuating means to advance the film to obtain a continuous record of the electron beam trace, means in the ignition system to impress voltage signals produced by the firing of each spark plug on the deflecting means during each engine cycle, means connected to the output of a predetermined spark plug to produce an additional voltage signal when said predetermined plug is fired, and means to combine the additional voltage signal with the signal produced by the firing of the predetermined plug whereby the combined signal is impressed on the deflecting means.

2,570,253

STABLE AQUEOUS DISPERSIONS OF COPOLYMERS OF VINYL ESTERS, NEUTRAL ETHYLENIC POLYESTERS, AND ACRYLIC ACID, AND METHOD OF MAKING

William E. Lundquist, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Application October 25, 1946, Serial No. 705,815

13 Claims. (Cl. 260—29.6)

1. A stable aqueous emulsion of a tough, adherent, film-forming copolymer of monomers consisting principally of (a) a vinyl ester of a saturated fatty acid of not more than three carbon atoms, (b) a neutral ester of an ethylene-alpha, beta-dicarboxylic acid and at least one saturated non-tertiary alcohol having the formula

$$R'''\text{—}A\text{—}\underset{\displaystyle R''}{\overset{\displaystyle R'}{C}}\text{—}CHOH\text{—}R$$

wherein R, R' and R'' are members of the class consisting of hydrogen and saturated alkyl groups, A is a member of the class consisting of oxygen, methylene, and alkyl substituted methylene groups, and R''' is a member of the class consisting of saturated alkyl and alkoxyalkyl groups, and (c) from about 0.1 to about 2.0%, based on the total weight of principal monomers, of acrylic acid.

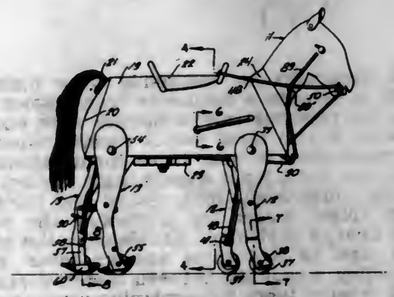
2,570,254

OCCUPANT-PROPELLED STEP-BY-STEP VEHICLE

James I. Lutz, Statesville, N. C.

Application May 24, 1949, Serial No. 94,997

5 Claims. (Cl. 280—1.181)



2. An occupant propelled step by step vehicle comprising an elongated hollow body, a head structure secured to the front end of the body and extending forward thereof, a pair of spaced apart front legs pivotally connected at their upper ends to said body near the front end of the latter, a pair of spaced apart rear legs pivotally connected at their upper ends to said body near the rear end of the latter, a wheel journaled on each leg at the bottom end thereof, a propelling shoe disposed adjacent each rear leg wheel, a link connecting each shoe to the adjacent rear leg for movement of the shoe relative to the associated rear leg, a pair of foot operated cranks journaled in said body and projecting from respectively opposite sides of the latter, means connecting each crank to the front and rear legs at the same side of the body to swing the rear legs rearwardly upon depression of the corresponding pedal, means connecting each leg moving means to the adjacent link to force the corresponding shoes downwardly into engagement with the ground as the corresponding legs are swung rearwardly, and means pivotally mounted on said body and connected to the two leg moving means to maintain the swinging movement of the legs at respectively opposite sides of said body substantially equal and opposite in direction.

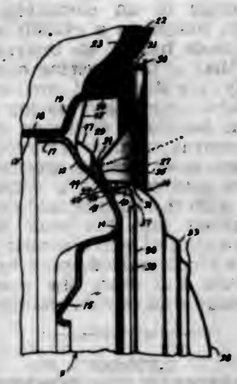
2,570,255

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Application July 6, 1946, Serial No. 681,700

10 Claims. (Cl. 301—37)



1. In a wheel structure of the character described, a trim ring member, a hub cap member having a flexible margin, and an attaching ring member having means for securing it to a wheel and formed with a shoulder engageable by said trim ring, said shoulder having radially projecting bumps including respective cam surfaces extending from the tips of the bumps generally radially and axially inwardly to juncture with the body of the attaching ring member and at the juncture defining generally radially outwardly opening groove portions offset from said shoulder and disposed on a circle having a diameter greater than that of said shoulder and engaged by said hub cap margin, said hub cap margin being of a smaller internal diameter than that of the circle of said groove portions and stretchable into snap-on engagement over said bumps, the portion of said hub cap margin intermediate the bump-engaged portions thereof being deflectable resiliently into clamping engagement with the portion of the trim ring engaging said shoulder.

2,570,256

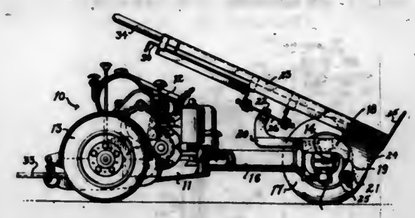
INDUSTRIAL TRUCK WITH HAND TILTED FRAME

Dan A. Lyons, Seattle, Wash., assignor, by mesne assignments, to Young Iron Works, Seattle, Wash., a corporation of Washington

Application November 7, 1947, Serial No. 784,547

5 Claims. (Cl. 214—65)

1. In a hand truck for transporting small loads from one point to another, the combination of a chassis having driving wheels at its trailing end, an axle at the forward end of said chassis having wheels at its ends adapted to be turned with respect to said chassis to effect a steering thereof when in motion, a frame supporting member upon said axle having a forward depending portion and a rearward extending portion, a frame supporting shaft carried by the forward depending portion of said member forwardly of and disposed parallel to said axle, a latching element carried by the rearward extending portion of said frame supporting member, and a load carrying frame pivotally mounted upon said shaft for a forward tilting movement to engage a load



and for rearward reclining movement to carry the load thereon, and means carried by said frame adapted to engage the latching element and retain said load carrying frame in a reclined position when a load has been picked up by a rearward tilting thereof.

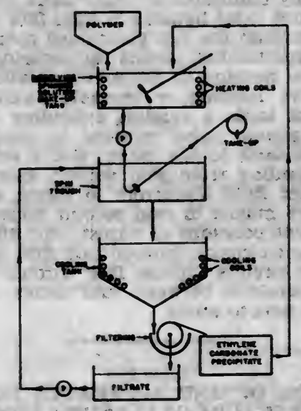
2,570,257

SPINNING OF ACRYLONITRILE POLYMERS

Gerald A. McFarren, Bay Village, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

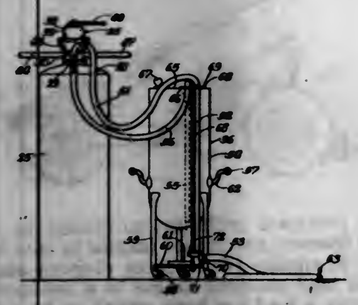
Application June 17, 1950, Serial No. 168,837

20 Claims. (Cl. 18—54)
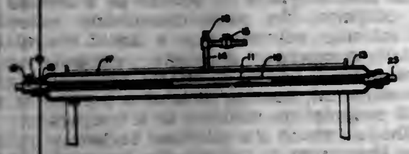


1. In the process of producing shaped articles from a polymeric spinning solution comprising an acrylonitrile polymer containing in the polymer molecule at least 80% by weight of acrylonitrile and ethylene carbonate as a solvent for said polymer, the steps comprising, extruding said spinning solution into a liquid coagulating medium comprising ethylene carbonate and a water-soluble, liquid, aliphatic polyhydric alcohol compound; cooling at least a portion of said liquid coagulating medium to a temperature below that at which the ethylene carbonate precipitates therefrom but above the congealing point of the polyhydric compound; precipitating at least a portion of the ethylene carbonate present in said cooled liquid; separating the precipitated ethylene carbonate from the cooled liquid; returning at least a portion of the resulting liquid to said coagulating medium; and repeating the cycle.

2,570,258
FLUID TREATING APPARATUS
Chester T. McGill, Elgin, and Harry Mansen, Barrington, Ill., assignors to Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois
Application June 16, 1945, Serial No. 599,886
30 Claims. (Cl. 210—24)



1. Means for regenerating the treatment material in a fluid treatment tank having means for supplying raw water under pressure to the tank and delivering treated water from the tank, said regenerating means comprising a valve housing mounted on the fluid treatment tank and having inlet and outlet compartments in communication respectively, with said raw water supply and treated water delivery means, said valve housing having openings communicating with said compartments, a portable second valve housing having a body portion adapted to be detachably connected in fluid-tight relationship to said first valve housing in fluid flow communication through the last mentioned openings with said compartments, means for securing the second valve housing in assembled relation to said first valve housing, a portable auxiliary fluid treatment tank, a conduit extending therefrom to said second valve housing to conduct fluid from one tank to the other, and a second conduit extending from said second valve housing to conduct fluid therefrom to waste, and shiftable valve means in said second housing which in different positions of adjustment directs fluid in different circuits through said first tank, some of which circuits include flow through said last named conduits between said tanks and from said first tank to waste.

2,570,259
METHOD OF AND APPARATUS FOR THE MANUFACTURE OF FLEXIBLE CONDUITS
James G. McKinley, Waynesville, N. C., assignor to The Dayton Rubber Company, a corporation of Ohio
Application January 22, 1949, Serial No. 72,236
6 Claims. (Cl. 154—5)



1. A method for the manufacture of rubber conduit which comprises positioning an inner rubber tube upon an elongated mandrel, introducing an outer rubber tube dimensioned to fit said inner tube closely within an elongated cylindrical chamber coextensive therewith and having a slightly greater diameter to provide a space between the outer surface of the outer tube and the inner surface of the chamber, closing off said space near the ends of the outer tube, reducing pressure by creating a vacuum within said space to draw the outer tube against the inner surface of the chamber, introducing said inner tube on said mandrel internally of the outer tube and coaxially therewith while maintaining said reduced pressure, releasing said vacuum and increasing said pressure to release said outer tube thereby permitting it to contract around said inner tube, vulcanizing the inner and outer tubes together, and removing said assembled inner and outer tubes from said mandrel.

6. Apparatus for the application of flexible tubular coverings to an elongated cylindrical member which comprises a cylindrical chamber open at both ends having an internal diameter greater than that of the covering member and a length slightly less than said covering member, said cylindrical chamber terminating at each end into a portion having a diameter substantially that of the covering member whereby a space is defined between said tubular covering and said chamber when said covering is disposed within said chamber with the ends of said covering projecting therefrom and the ends thereof are turned over the ends of said chamber, and means for exhausting air from said space to reduce the pressure therein and draw the cover member against the inside wall of said chamber.

2,570,260
LATCH ASSEMBLY FOR CONVERTIBLE AUTOMOBILE TOPS
Lewis D. Milhan, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application February 19, 1948, Serial No. 9,403
14 Claims. (Cl. 296—120)



3. In an automobile convertible top, a header having apertures for receiving dowels attached to the automobile body and having keeper means thereon, a shaft rotatably mounted in said header, a handle secured on said shaft for manually rotating said shaft, a quadrant secured on said shaft, stops mounted on said quadrant and a spring adapted to engage said stops for yieldably holding said shaft in either of two positions, an operating member axially secured on said shaft, links pivotally connected off-center to said operating member forming a crank connection between said operating member and said links, latch fingers constituting the ends of said links and adapted to engage said keeper means, guides limiting the lateral movement of said latch fingers over the apertures in said header, tabs angularly set on said header for engaging the ends of said latch fingers to cam said fingers from over said apertures, bosses on said fingers adaptable to engage said guides to lock said fingers over said apertures, springs on said links urging said fingers over said apertures in said header; said operating member being so adapted that when said shaft is on one of said positions said fingers are yieldably held over said apertures by said springs and manual rotation of said shaft in one direction from said one of said positions extends said links to engage said angularly set tabs, and manual rotation of said shaft in the opposite direction to the other of said two positions retracts said links from engagement with said tabs and draws said bosses within said guides to lock said fingers over said apertures.

2,570,261
HEADER LOCKING MECHANISM
Lewis D. Milhan, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application July 1, 1948, Serial No. 36,479
4 Claims. (Cl. 296—120)



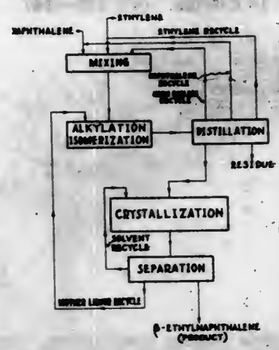
1. A header lock adapted for fastening a vehicle top to a vehicle windshield frame having a recessed dowel arranged at each end of the frame together with a third dowel arranged intermediate said end dowels, said lock comprising a cam rotatably mounted on said top for cooperation with the recess of said intermediate dowel for camming said top into engagement with said frame, a first and second pair of superimposed stationary cams carried by said top on each side of said first cam and spaced therefrom, a first rod carried by said top and movable into the recess of one of said end dowels for cooperation therewith and having one end thereof movable on one of said first pair of cams for moving said rod from said recess of said one of said end dowels and thereafter movable on the other of said first pair of cams for cooperating with said one of said end dowels to cam said top into engagement with said frame, a second rod carried by said top and movable into the recess of the other of said end dowels for cooperation therewith and having one end thereof movable on one of said second pair of cams for camming said second rod from said recess of the other of said end dowels and thereafter movable on the other of said second pair of cams for cooperating with said other of said end dowels to cam said top into engagement with said frame, said rods being connected at their opposite ends to said first cam, and means comprising a handle for operating said first cam.

2,570,262
PHOTOSENSITIVE PLANOGRAPHIC PLATE
Douglas A. Newman, Port Washington, N. Y., assignor to Columbia Ribbon and Carbon Manufacturing Company, Inc., Glen Cove, N. Y., a corporation of New York
Application January 23, 1947, Serial No. 723,681
13 Claims. (Cl. 95—3)



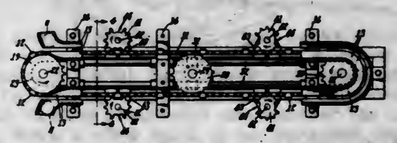
1. A planographic plate having a paper foundation, an insolubilized coating of a carboxymethyl cellulose compound overlying the front surface of said foundation, and a photosensitive layer of bichromated albumin adhering to the surface of said carboxymethyl cellulose coating.

2,570,263
PRODUCTION OF BETA-ETHYL-NAPHTHALENE
Joseph E. Nickels and Walter M. Kutz, Pittsburgh, Pa., assignors to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
Application June 3, 1948, Serial No. 31,756
8 Claims. (Cl. 260—671)



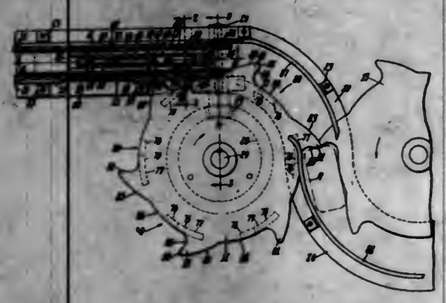
1. In a process for the manufacture by the alkylation of naphthalene with ethylene of a mixture of mono-ethyl naphthalenes containing a high ratio of beta-ethyl naphthalene to alpha-ethyl naphthalene the steps of heating a mixture of liquid naphthalene and ethylene in contact with a silica-alumina catalyst at an alkylating temperature above 275° C. until an alkylate containing at least 3 parts of beta isomer for each part of alpha isomer is obtained, separating a portion of the beta isomer from the alkylate thus obtained, and recycling the remainder of the ethyl naphthalenes to said alkylation.

2,570,264
CONVEYER MECHANISM WITH SUPPORTING SPROCKETS
Ronald E. J. Nordquist, Maplewood, and Felix Huntar, Livingston, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application February 27, 1948, Serial No. 11,777
2 Claims. (Cl. 198—137)



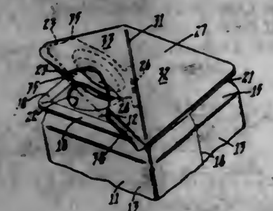
2. In a conveyor mechanism, the combination of an endless chain conveyor disposed for operation in a horizontal position, a pair of spaced actuating sprockets mounted on vertical shafts for operating said conveyor, a vertical support shaft, a support sprocket mounted on said support shaft and disposed between said actuating sprockets and located between and meshing with the inner portions of two runs of said conveyor and supporting said runs of said conveyor against sagging between said actuating sprockets, a slide member disposed adjacent said conveyor, and a floating bracket for carrying said support shaft, said bracket being slideably mounted on said slide member for positioning said support sprocket, said bracket being movable along said slide member by change of position of said sprocket to compensate for changes in the length of said conveyor.

2,570,265
ARTICLE TIMING AND INDEXING MECHANISM
Ronald E. J. Nordquist, Maplewood, and Julius Feris, Elizabeth, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 26, 1948, Serial No. 61,944
16 Claims. (Cl. 198—34)



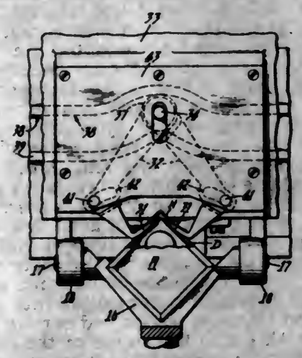
1. An article timing mechanism, comprising a conveyor for advancing said article, feeding means for receiving articles from said conveyor, stop means located adjacent said conveyor and actuated by said article when the latter is mispositioned on said conveyor and is not in proper position to be received by said feeding means, said stop means being moved to engage and to stop the advancement of the article while said conveyor advances, and means for disengaging said stop means from said article when the latter is properly positioned on said conveyor.

2,570,266
CONTAINER
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 31, 1948, Serial No. 68,528
3 Claims. (Cl. 229—7)



3. A container comprising in combination, a body, an end member secured to said body in an end seam and having a filling and dispensing opening adjacent said seam, a closure including a friction plug for closing and sealing said opening, said closure having a hinge lug at one end secured to said end member at a position spaced inwardly from said opening and providing a hinge line for the closure, the opposite free end of said closure extending beyond said end seam as a projecting tab when said plug is in closing position, said projecting tab moving along a circular path with its center on said hinge line when said closure is moved from closing position, and an overcap secured to the end seam for covering over said closure and said end member, said overcap having a hingeable portion overlying said closure and being movable on a hinge line parallel to and spaced inside of the hinge line of said closure, said hinge portion also having a marginal edge folded around said end seam and enclosing said closure tab to hold said overcap hinge portion in protective position on the container, said marginal edge when the overcap hinge portion is lifted being pulled from said end seam and moved in a circular path of travel having its center on said hinge line and having a radius greater than the radius of movement of said closure, said circular paths of travel causing engagement of said overcap marginal edge with said closure tab to effect raising of said friction plug out of said opening, further movement of both overcap marginal edge and closure tab causing release of the opened closure as said overcap hinged portion is raised into uncovering position.

2,570,267
MACHINE FOR OPENING HINGED CLOSURE MEMBERS ON CONTAINERS
Ronald E. J. Nordquist, Maplewood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1950, Serial No. 141,538
8 Claims. (Cl. 226—129)



1. In a machine for opening closure members having a flexible portion crimped over a projection of a container, the combination of a support for said container, a reciprocable mounting disposed adjacent said support, a finger carried on said mounting and insertable between said crimped portion of the closure member and said projection on said supported container, and means for bodily reciprocating said mounting to insert the finger between said crimped portion and said projection and to move it along therebetween for prying said portion loose from said container projection.

2,570,268
INHALER
Ingram C. Pace, Livingston, Tex.
Application October 28, 1948, Serial No. 124,679
1 Claim. (Cl. 128—206)



An inhaler comprising an outer receptacle open at one end, each of the side walls of said outer receptacle having vent openings adjacent to and spaced from the other end of said receptacle, an upstanding inner closed hollow body for containing a volatile medicament positioned within said outer receptacle and mounted therein for movement into and out of the open end of said receptacle, said body being of conical shape and forming a nasal portion to be engaged with a nostril of a patient, said nasal portion of said body having an opening therein through which the vapors liberated from the medicament pass when inhaled by the patient, a plurality of spaced vertically disposed coil springs resting upon the bottom of said receptacle and engageable with the lower end of said body for urging said body out of the open end of said receptacle, said body having an opening in each of its side walls registrable with the vent opening in the adjacent side wall of said receptacle upon execution of the movement of said body out of the open end of said receptacle, and a cup-shaped closure connected to said receptacle for swinging movement into and out of contact with the nasal portion of said body.

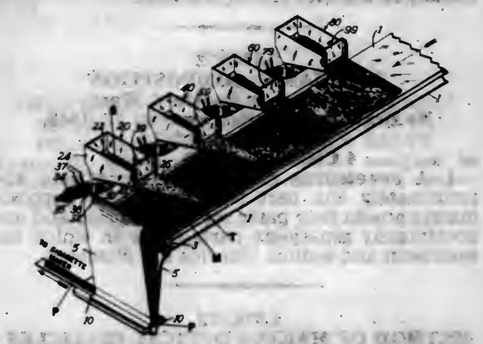
2,570,269
STABILIZATION OF COPOLYMERIZABLE POLYESTER-MONOMER MIXTURE BY MEANS OF A SALT OF A SUBSTITUTED HYDRAZINE
Earl E. Parker, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 25, 1948, Serial No. 17,098
23 Claims. (Cl. 260—45.4)

1. As a new composition of matter, a copolymerizable mixture of an alpha-beta ethylenically unsaturated, alpha-beta dicarboxylic acid polyester of a dihydric alcohol and an ethylenically unsaturated monomer capable of cross-linking the polyester molecules at the points of unsaturation therein, the mixture being free of added catalysts of polymerization and being stabilized against premature gelation during storage by a small stabilizing amount of a salt of the formula:

in which at least one of the radicals R_1, R_2 and R_3 is hydrocarbon, such radicals of the group R_1, R_2 and R_3, as are not hydrocarbon being hydrogen, X being the negative radical of a mineral acid of a class consisting of HCl, HBr, HI, H_2SO_4, and H_3PO_4.

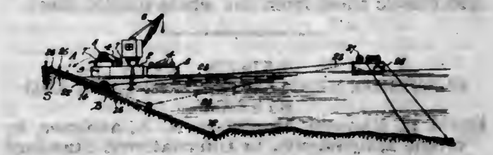
2,570,270
CIGARETTE TOBACCO PREPARATION AND FEEDING
Morehead Patterson, New York, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application April 3, 1946, Serial No. 659,365
3 Claims. (Cl. 131—108)

1. A process for making cigarettes comprising providing separate supplies of shredded tobacco of at least three different lengths, one supply containing relatively long shreds which will not pass through a mesh screen of one size, one supply containing shreds shorter than those in the above-mentioned supply but of a medium length which will not pass through a screen of a different and smaller size, and one supply containing relatively short length shreds which will pass through a screen of a predetermined size smaller than the other two, feeding tobacco from each of said supplies in substantially predetermined proportions of said long shreds, medium length shreds and short shreds corresponding to the proportions present in cigarettes having good mechanical qualities to form composite superimposed streams of uniform width of shredded tobacco from the tobacco so fed from said supplies, and without



substantially changing the length of the shreds, delivering the composite superimposed tobacco streams directly through a path unobstructed for the width of the composite streams, to a rod forming web of a cigarette making machine to form a cigarette rod having substantially the same proportions of different shred lengths as is fed from said supplies.

2,570,271
APPARATUS AND PROCESS FOR LAUNCHING REVETMENTS
Andrew B. Pickett, United States Army, New Orleans, La.
Application May 23, 1946, Serial No. 671,719
4 Claims. (Cl. 61—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of protecting river banks against erosion which comprises anchoring a series of revetment mats at contiguous anchoring stations, positioning succeeding mats in edge-overlapping relation relative to one another for unrolling down a river bank to be protected, each mat being rolled into a roll or coil having an exposed head end and a foot end enclosed in the roll, the head end of each mat being anchored at the respective anchoring stations, unrolling the succeeding mats while controlling the unrolling so that each mat as unrolled definitely follows a predetermined path, so that adjacent edges of the succeeding mats overlap, whereby when unrolled, one mat will lap over the adjacent mat along adjacent edges until a complete revetment is formed, the resulting revetment construction thus being provided with a series of overlapping edges forming a series of slip joints for taking care of settlements in the sloped river bank and at the same time providing proper protection to the bank, the unrolling of each mat being controlled by applying continuously to each mat oppositely directed straight line pulls from a source remote from the anchoring

station for the mat, the straight line unrolling pull exceeding in force the oppositely directed pull, the said straight line pulls however cooperating to control and to maintain the mats definitely in the predetermined path during unrolling thereof, and automatically anchoring the foot end of each mat in laid position responsively to complete unrolling of the mat with attendant release of the foot end of the mat.

2,570,272
SACCHARIN COMPOSITION
Ray E. Pilcher, Hartford, Wash.
No Drawing. Application July 22, 1949, Serial No. 106,327
4 Claims. (Cl. 99—141)

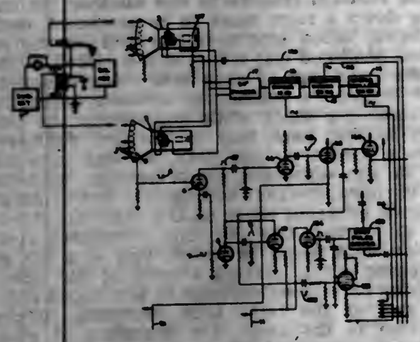
1. A sweetening composition comprising approximately one part pure saccharin, approximately one to four parts sodium chloride and approximately ninety-six parts water in which the saccharin and sodium chloride are dissolved.

2,570,273
METHOD OF MAKING OPTICAL PELLICLES
Paul L. Pryer, Osborn, Ohio
Application September 20, 1948, Serial No. 50,231
5 Claims. (Cl. 18—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



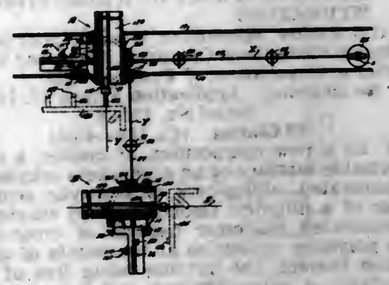
1. A method of producing optical pellicles comprising, stretching a thin plastic sheet at ordinary temperatures and while free from solvents and softeners to obtain equal stress in all directions, securing a stiff frame to a portion of said stretched plastic sheet and cutting said framed portion of said plastic sheet from the whole plastic sheet.

2,570,274
ELECTRON BEAM SWITCHING TUBE AND SYSTEM
David H. Ransom, Montclair, N. J., assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 14, 1946, Serial No. 654,371
15 Claims. (Cl. 179—18)



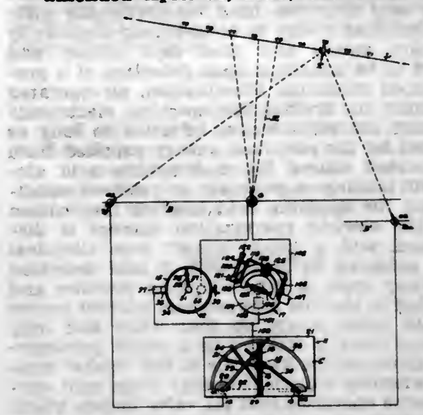
12. In a telephone switching system a plurality of numerically designated lines, a pair of devices each having a plurality of electrodes and means for producing an electron beam, and means operable in accordance with the number of pulses for designating of a line for setting said beams onto predetermined electrodes and holding them thereon, a first and a second cathode ray tube, one having electrodes multipled with those of one device and the second electrodes multipled with those of the other, a rotary distributor in which said lines terminate means for rotating the beam of the first tube in one relationship and the beam of the second tube in another relationship to the rotation of the beam of the distributor, and means responsive when the beams of each cathode ray tube and the device associated therewith are on electrodes multipled together for completing a connection to the line designated by said pulses.

2,570,275
COORDINATE SETTING MACHINE AND MEASURING APPARATUS
Oliver S. Reading, Washington, D. C.
Application December 3, 1948, Serial No. 63,424
22 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



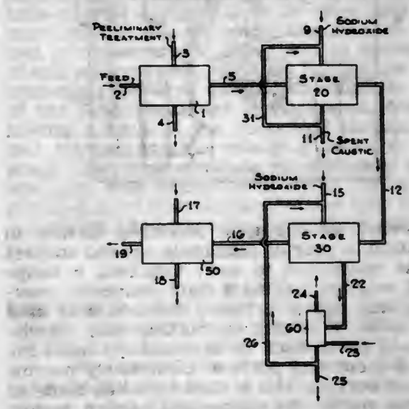
1. In a coordinate setting and measuring apparatus, a collimator support, a collimator adjustably fixed on the support having a coordinate determining axis determining the location and direction of a first coordinate, an adjustable support disposed at a distance from the first mentioned collimator, a sighting telescope fixed on said adjustable support having a first coordinate sighting and locating axis, means for adjusting the position of the adjustable support in elevation, and about a vertical axis in azimuth, and in transverse intersecting planes perpendicular to the azimuth adjustment axis while observing the collimator through the telescope, to dispose the coordinate sighting axis thereof in alignment with the coordinate determining axis of the collimator, a second coordinate position and direction determining means fixed on said adjustable support having a second coordinate position determining axis extending in predetermined angular relation to the first coordinate sighting and locating axis of the telescope, for determining the location of the second coordinate relative to the position of the first coordinate when the axis of the second coordinate position determining means is adjusted into alignment with the coordinate position determining axis of the collimator, and linear measuring means carried by the adjustable support for measuring linear distance from a predetermined zero point along the first coordinate determining axis adjacent the collimator to the axis of the second coordinate position and direction determining means.

2,570,276
FIRE CONTROL SYSTEM
John E. Reierson, Baltimore, Md.
Application November 8, 1946, Serial No. 708,564
7 Claims. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



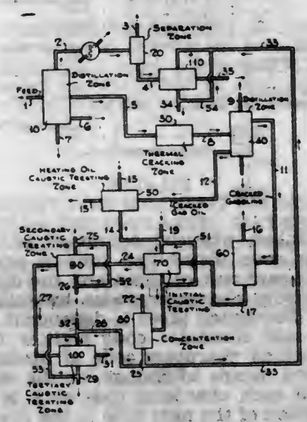
1. For use in a gun fire control system, a plotter comprising a supporting surface, a pair of arms pivoted on said surface at spaced first and second points, a third gun-position point on said surface, all said points representing to scale the actual spatial relation of a gun and two observation points spaced from said gun and from each other, said third point and one of said first or second points determining a base line, a transmitter including a stator and a rotor, means mounting said transmitter on said surface for rectilinear movement in a path normal to said base line through said third point, and a scale extending radially of said rotor and pivotable as a unit therewith.

2,570,277
SWEETENING PROCESS
Harold A. Ricards, Jr., Cranford, and James W. Ryder, Watchung, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 24, 1949, Serial No. 78,042
9 Claims. (Cl. 196—32)



1. Process for the removal of mercaptan compounds from hydrocarbon mixtures containing the same which comprises contacting the hydrocarbon fraction in an initial stage with a caustic solution, removing the caustic solution therefrom followed by contacting the hydrocarbon mixture in a secondary stage with a caustic solution of at least about 1 to 3 per cent lower concentration than that employed in the initial stage and using therewith agents which increase the solubility of mercaptans and mercaptides in said caustic solution.

2,570,278
SWEETENING PROCESS USING ALKALI METAL HYDROXIDE CONTAINING HIGH-BOILING MERCAPTAN SALTS
James W. Ryder, Watchung, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 29, 1949, Serial No. 84,216
5 Claims. (Cl. 196—32)

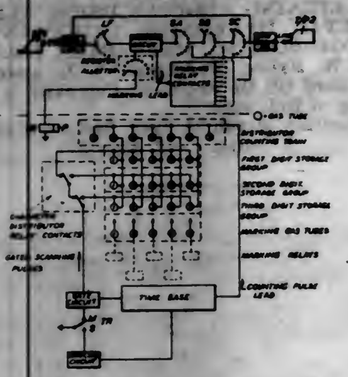


1. Process for the extraction of mercaptan compounds from hydrocarbon fractions which comprises contacting a hydrocarbon fraction boiling in the range of about 400° to 700° F. with a caustic solution, segregating therefrom a partially spent caustic solution containing mercaptan salts, and thereafter contacting a hydrocarbon fraction boiling in the range of about 80° to 420° F. with said partially spent caustic solution containing mercaptan salts, and withdrawing said caustic solution whereby the mercaptan content of the fraction boiling in the motor fuel range is substantially reduced.

2,570,279
ELECTRIC SIGNALING SYSTEM
Desmond Sydney Ridler and Leslie Ronald Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 6, 1949, Serial No. 85,789
In Great Britain April 7, 1948
7 Claims. (Cl. 178—2)

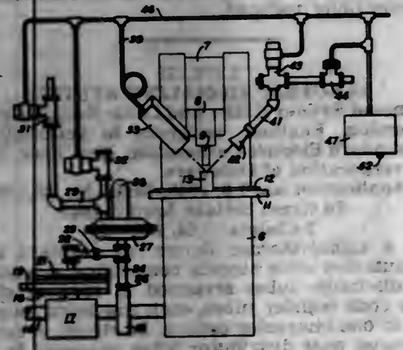
5. A signal storage device for constant total permutation code signals comprising a bank of gas discharge tubes arranged in rows of character code register tubes, each row being responsive to one character code to be stored, a row of character code distributor tubes arranged to distribute the received character codes in order among the said rows of register tubes, means for

rendering the register tubes in a row synchronously responsive to pulses representative of the character code being received, thereby to fire or to maintain unfired such tubes according to the nature of such codes, a pair of gas discharge tubes, each coupled to a different one of said character code register tubes and the first of said character code distributor tubes, each of the tubes of said pair adapted to be primed from its associated character code register tube, control means associated in the discharge path of the first of said pair of tubes, said control means adapted to control operation of the second of said



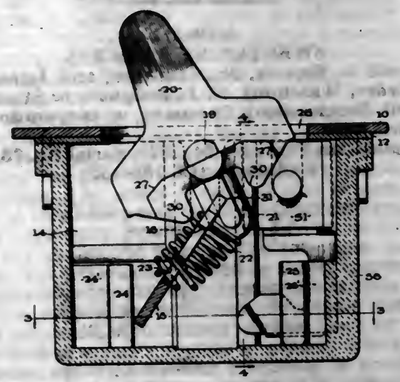
pair of tubes, whereby operation of said first character code distributor tube is under joint control of said pair of tubes and the distribution of succeeding character codes by said character code distributor tubes is dependent upon receipt of said character code register tube of a predetermined character code of dissimilar elements, and means to change, at the end of the storage of each character code as it is received, the condition of the next tube in the row of character code distributor tubes, thereby to direct the pulses representative of the next received character code into the next register row.

2,570,280
AUTOMATIC FIRE-DETECTING AND EXTINGUISHING APPARATUS
Eugene Reifman, Philadelphia, Pa.
Application April 26, 1951, Serial No. 223,131
5 Claims. (Cl. 169—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



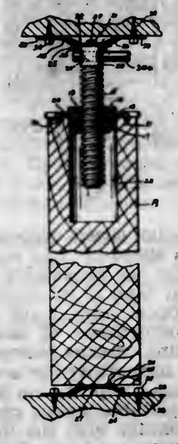
1. In combination with a machine which bears a potential fire hazard, a source of electric current and means for supplying it to said machine, a flare detection head, means for movably mounting said detection head with respect to said machine, a normally open electric circuit carried by said detection head and connected to said current source, electrically responsive means for closing said circuit, photo-sensitive means carried by said detection head for developing sufficient electrical energy to actuate said electrically responsive means and close said circuit, and adapted to be activated upon detection of a predetermined minimum illumination, air-operated mechanism for braking the machine, electrically responsive air valve means effective so long as energized by the electrical energy supplied from said current source for maintaining said air-operated braking mechanism in released condition and for applying said braking mechanism when the electric energization thereof is discontinued, and a "make-break" type electrical switch actuated by movement of said detection head away from a predetermined position and connected in the line between said current source and said valve means so that when and only when the head is focused in a single predetermined direction the switch is in the "make" condition whereby electrical energy from said current source energizes said air valve means which is thus kept open and the braking mechanism released, but when the head is moved in any other direction the switch is in the "break" condition causing an interruption in the flow of electrical energy to said air valve means and thus operate the braking mechanism to make the machine inoperative.

2,570,281
SNAP SWITCH MECHANISM
Mark N. Russell and William F. Zimmerman, Syracuse, N. Y., assignors to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application March 1, 1948, Serial No. 12,216
16 Claims. (Cl. 200—67)



1. A switch of the type described having in combination, a pair of terminals, spaced contact units one connected to each terminal, a snap-actuated member having a rigid connector movable into and out of bridging relation with said contact units, a casing supporting and coordinating said parts, each of said contact units including, a mounting portion, a relatively narrow connecting portion, and a rigid foot-like blade at the remote end of the connecting portion, means in said casing engaging each contact unit to immobilize the mounting portion and engage the blade portion on the outside near the connecting portion and on the inside intermediate its length to apply initial torsional stress only, to said connecting portion, said blade portions being arranged side by side with the blades divergent for entrance of said rigid conductor, certain of said means being so related to said blades that the resultant increase in divergence increases the said torsional stresses, said last mentioned means preventing the application of bending stress to said connecting portions.

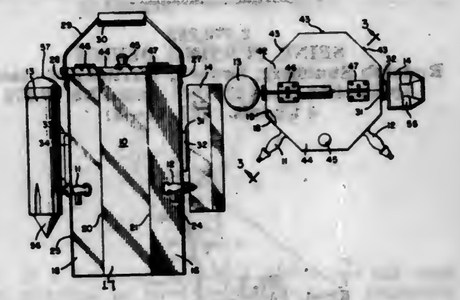
2,570,282
ADJUSTABLE FLOOR LEVELING DEVICE
C. Harold Speck, Massilon, Harry L. Carr, Canton, and Ray A. Yoder, Orrville, Ohio
Application June 25, 1946, Serial No. 679,280
11 Claims. (Cl. 248—354)



1. Supporting equipment of the character described for use selectively with available supporting posts of different structural characteristics, comprising an adjustable screw and nut assembly, means for mounting said screw and nut assembly at one end of a selected supporting post to have the screw projecting freely in a recess provided therein from said end, a base for cooperation with the other end of the selected post, said base having a convex protrusion the central portion of which is flattened, said base being adapted to be mounted either with said flattened central portion in abutment with said other end of one type of said selected post or with said convex protrusion in self-centering engagement in a recess provided in said other end of another type of said selected post, said base having one or more projecting elements adapted to embed in the end of the first-mentioned type of post, said screw having a head at the outer end thereof, a cap, and interengageable retaining portions on said screw head and centrally of said cap, said cap and said base being substantially similarly constructed to be interchangeable one with the other to perform the respective functions thereof.

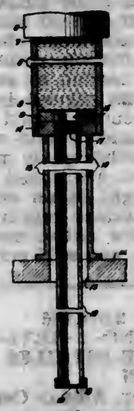
2,570,283
PORTABLE SANITARY WATER DISPENSER FOR ATHLETIC TEAMS, WITH MEANS FOR STORING NEW AND USED CUPS
Raymond E. Stevens, Delavan, Wis.
Application January 19, 1948, Serial No. 3,110
1 Claim. (Cl. 222—184)

A portable water dispensing apparatus, comprising an upright tubular sheet metal structure of octagonal cross-section, said structure comprising front and rear sections, means including vertical reinforcing strips joining said sections, a horizontal octagonal partition intermediate the upper and lower end of said structure, whereby the upper part of the structure constitutes a container, closure means for the top of said con-



tainer, a cup magazine mounted on one of said strips, a plurality of faucets on said front section for filling said cups, a receptacle for used cups mounted on the other of said strips, and carrying means attached to said strips at the top of said container.

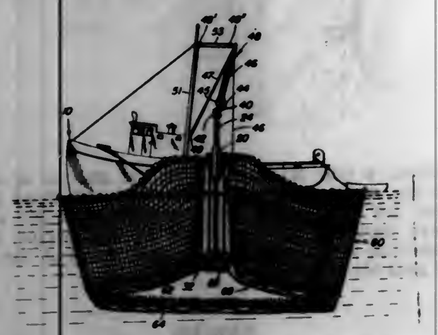
2,570,284
EQUIPMENT FOR MOLDING ELONGATED ARTICLES FROM PLASTIC MATERIALS
Louis L. Stott and Eugene E. Montross, Reading, Pa., assignors to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
Application February 18, 1947, Serial No. 729,330
13 Claims. (Cl. 18—30)



1. Equipment for molding plastic materials to elongated shapes comprising, in combination with a pair of relatively movable press members for developing molding pressure, an elongated tubular mold having an external abutment projecting from its entrance end, a sleeve surrounding the entrance end portion of the mold and serving to transmit molding pressure from one of the press members to said abutment, and a tubular container for plastic material to be molded, the container being of substantially larger diameter than the mold and having opposed relatively movable walls one of which is apertured to deliver material to be molded from the container into the mold and is arranged to receive molding pressure through said sleeve, the other of said walls being arranged to receive

molding pressure from the opposite press member, whereby upon actuation of the press members the material in the container is placed under pressure and is delivered to the mold through its entrance end and placed under pressure in the mold.

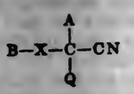
2,570,285
SEINE PURSING DEVICE
Rudolph Sundberg, Seward, Territory of Alaska
Application April 12, 1948, Serial No. 20,570
4 Claims. (Cl. 43—8)



1. A seine pursing device comprising an upright, means removably securing said upright to the side of a boat, an inclined guide rigidly carried by said upright, a seine supporting member slidably and adjustably mounted in said guide, a seine having an open lower portion therein, a plurality of spaced guide rings carried by the open lower portion of said seine, a purse line slidably engaging said guide rings, guide means carried by said seine supporting member, further guide means carried by said upright, and a rotary cable drum carried by the boat, said purse line being secured to said cable drum and engageable with said second-mentioned guide means and said further guide means for closing said seine said first-mentioned guide being secured to said upright at an angle so that the seine will be maintained relatively close to the boat throughout the entire movement of said supporting member and said guide.

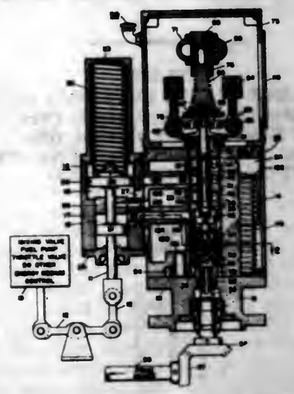
2,570,286
TERTIARY-AMINO-2-ARYL-2-(4-QUINOLYL)ALKANE-NITRILES AND THEIR PREPARATION
Alexander R. Surrey, Albany County, and Royal A. Cutler, Rensselaer County, N. Y., assignors to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application May 28, 1948, Serial No. 29,936
14 Claims. (Cl. 260—286)

1. A compound selected from the group consisting of basic compounds having the formula



where B is a lower aliphatic tertiary-amino radical, X is a lower alkylene radical, A is an aryl radical of the benzene series, and Q is a 4-quinolyl radical, and acid addition salts thereof.

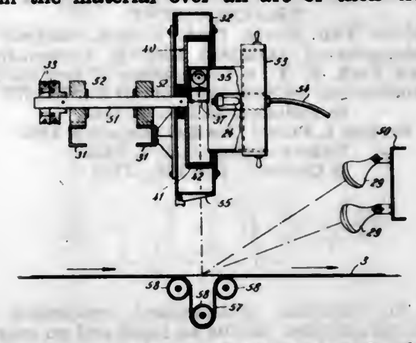
2,570,287
ADJUSTING MEANS FOR HYDRAULIC GOVERNOR COMPENSATING SPRINGS
Robert W. Taylor, United States Navy
Application October 4, 1945, Serial No. 620,378
2 Claims. (Cl. 267—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a hydraulic speed responsive governor which includes a speed-control means including a movable support, an adjustable compensating spring adapted to bear at its upper end against said movable support, means for manually adjusting the precompression of said spring, said manually adjusting means comprising a cup shaped collar for supporting the lower end of said spring, indentations imposed on the outer side of said collar, adjustable means positioned adjacent to and in contact with the indentations on said collar so that movement of said adjustable means imparts reciprocating movement to said collar and consequent alteration of said spring, means for locking said collar in its adjusted position, said adjusting means and locking means further comprising a tubular shaft in axial alignment with said adjustable means, a second shaft concentrically mounted within said tubular shaft, said tubular shaft having means on one end thereof adjacent said collar for unlocking said collar, said second shaft having means on one end thereof adjacent said collar for engaging said adjustable means, and handle means located on the opposite ends of said shafts to facilitate turning of said shafts to a desired position.

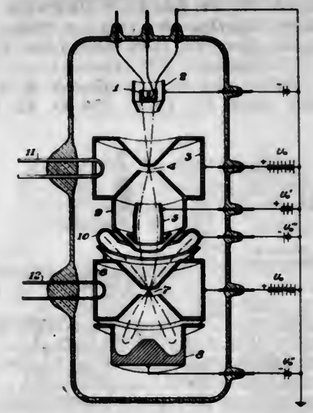
2,570,288
PHOTOELECTRIC INSPECTION OF SHEET MATERIALS
Francis C. Todd, Columbus, Ohio, assignor, by mesne assignments, to Howard Paper Mills, Inc., Dayton, Ohio, a corporation of Ohio
Application May 3, 1949, Serial No. 91,151
12 Claims. (Cl. 250—219)

1. In a machine for the photoelectric inspection of moving sheet material, a scanning head comprising a photoelectric cell mounted above the material in position to be illuminated by light reflected therefrom, a diaphragm in front of the cell having a slit therein through which light reflected from the material may pass to the cell, a drum mounted for rotation about the slit, a plurality of lenses mounted in the periphery of the drum with their optical axes intersecting the slit, and a light-tight hood surrounding the drum, the hood having an opening therein exposing the lenses to light reflected from the material over an arc of their travel



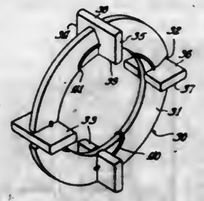
including the point of closest approach of the lenses to the material.

2,570,289
VELOCITY MODULATED BEAM TUBES WITH REFLECTOR ELECTRODES
Emile Touraton, René Zwobada, and Anne Marie Gratzmuller, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 29, 1947, Serial No. 744,690
In France April 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 12, 1966
2 Claims. (Cl. 315—39)



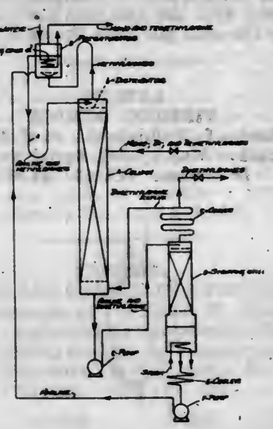
1. An electron discharge device of the velocity modulation type comprising an annular electron gun for producing a hollow cylindrical beam of electrons, a focusing electrode arranged about said gun for focusing said beam into a point, a first cavity resonator provided with a modulating gap mounted at the point of focus of said beam, drift space and focusing means arranged adjacent said first resonator for focusing said beam into a second point, a second cavity resonator provided with an energy extracting gap mounted at the second point of focus of the beam, and a reflector and focusing electrode mounted adjacent said second resonator to reflect said beam through said second resonator with a point of focus at the gap therein and in a path different from that of the beam in its first passage through said second resonator, said reflecting electrode being provided with side walls adjacent said beam path and a central extension for dilating said hollow beam.

2,570,290
ONE-WAY CLUTCH
Harold H. Turner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 19, 1946, Serial No. 717,257
13 Claims. (Cl. 192—45.2)



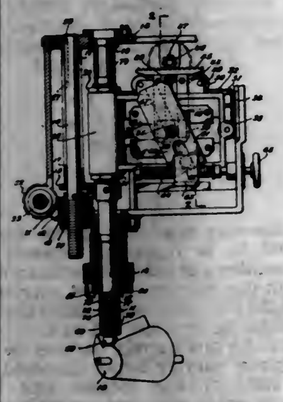
1. In a one-way engaging device for use with and adapted to be disposed between relatively rotatable members in concentric spaced relationship, an annular washer-shaped carrier provided with a plurality of recesses, a plurality of sprags each adaptable to be received in one of said recesses and to be operatively carried by said carrier, said sprag carrier being disposed intermediate the ends of the sprags, and individual spring means arranged and assembled on said sprag carrier and in engagement with the sprags, thereby to cause a relatively light spring tension against the sprags when the device is positioned between said members.

2,570,291
EXTRACTIVE DISTILLATION OF METHYLAMINES
William Tyerman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application December 3, 1947, Serial No. 789,545
In Great Britain December 4, 1946
7 Claims. (Cl. 202—39.5)



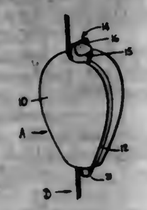
1. A process for the separation of dimethylamine from a mixture of the mono-, di-, and triforms of the methylamines which comprises subjecting the mixture to extractive distillation with aniline at a temperature within the range of 10° to 40° C. at atmospheric pressure, taking off as a vapor the mono- and tri- forms of methylamine, and obtaining dimethylamine as a solution in aniline.

2,570,292
CAM PIN MECHANISM
Carleton G. Umsted, Northport, and Daniel De Lee, Brooklyn, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application July 28, 1945, Serial No. 607,530
2 Claims. (Cl. 74—89)



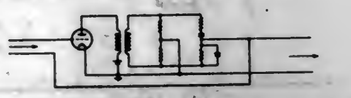
2. A cam pin assembly comprising a cam pin, an arm attached thereto having an opening formed therein, a pin supported for movement in translation but restrained from rotation extending through the opening, a compression spring disposed on the latter pin adapted to engage one side of the arm and hold the cam pin against a cam surface, a threaded portion formed near one end of the last-mentioned pin, a collar secured to the pin on the opposite side of the arm normally out of contact with the arm, a gear provided with internal threads disposed on the threaded portion of the pin, a manually operated shaft for turning the gear to effect translation of the pin for the purpose of bringing the collar into engagement with the arm and moving the arm to disengage the cam pin from the cam surface.

2,570,293
FISHING DEVICE
Charles L. Vadnais, St. Paul, Minn.
Application May 3, 1947, Serial No. 745,861
10 Claims. (Cl. 43—44.91)



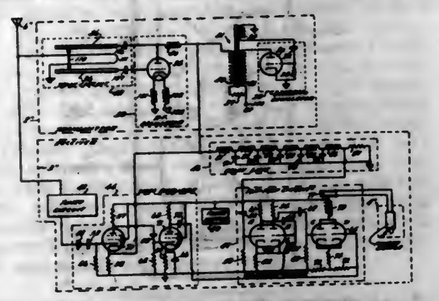
1. A fish line attachment comprising a body having an aperture therethrough, a line clamping means engaged in said aperture, said line clamping means including a pair of ends engageable with said body at opposite ends of said aperture to clamp the line between at least one of said ends and said body, and resilient means extending longitudinally of said aperture connecting said ends to draw said ends together.

2,570,294
FREQUENCY SELECTIVE NETWORK ARRANGEMENT
Stanislas Van Mierlo, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 25, 1947, Serial No. 763,573
In Switzerland June 2, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 2, 1965
8 Claims. (Cl. 179—171)



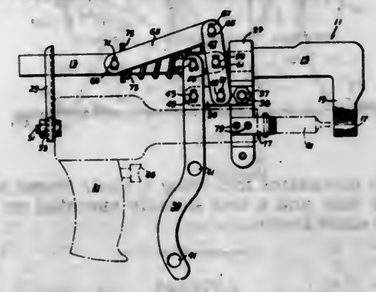
8. An electrical arrangement comprising at least one amplifier having an input and an output circuit, a four-terminal network comprising two arms of inductances, an arm of a series connection of a resistance and a condenser and an arm of a parallel connection of a resistance and a condenser, said two inductive arms being connected in series between one pair of diagonal terminals, the other pair of diagonal terminals being connected across said input circuit, and an inductance coil connected across said output circuit and coupled between said one pair of diagonal terminals, whereby all the frequency selectivity is obtained in said four-terminal network connected in series with said amplifier.

2,570,295
PARACHUTE SAFETY OPENER
Harry Vantine, Jr., Dayton, Ohio
Application April 27, 1948, Serial No. 23,611
5 Claims. (Cl. 242—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pulse-echo system, comprising a transmitter blocking oscillator within which pulses to be transmitted originate, a transmitter radio frequency oscillator inductively coupled with said blocking oscillator, a receiver video amplifier tube having a cathode connected to between said radio frequency oscillator and its inductive coupling with said blocking oscillator for blanking said video amplifier tube from operation upon the passage of a pulse therebetween, a receiver multivibrator connected across said video amplifier for the reception of echo signal therefrom, a delay line connected between said radio frequency oscillator and said multivibrator to initiate signal reception following the blanking of said video amplifier tube, and multivibrator variable adjustable means permitting an output from said multivibrator upon the coincidence of conduction through said delay line and through said video amplifier.

2,570,296
AUTOMATIC RIVET PUNCH
Harry Weiss, Philadelphia, Pa.
Application September 20, 1948, Serial No. 50,230
7 Claims. (Cl. 74—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



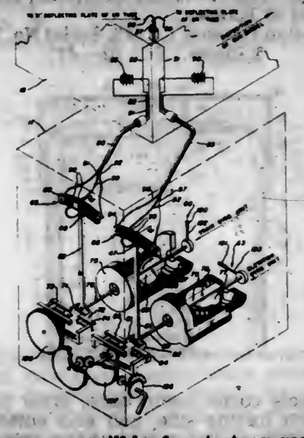
1. In a dollybar attachment for rivet guns comprising a yoke adapted to be secured to the barrel of a rivet gun, a plate adapted to be secured to the butt of such gun, and a dollybar mounted slidably in slots in said yoke and said plate, and linkage comprising a pair of arms adapted to be fixed to opposite sides of said yoke and to extend rearwardly parallel to said dollybar, a lever-arm depending from rotatable engagement with the ends of said arms distal said yoke, first links having one end secured rotatably to said arms medial said yoke and said lever-arm, second links secured rotatably to said lever-arm and the medial portions of said first links, third links secured rotatably to the ends of said first links distal said arms and to said dollybar, and a spring carried on said dollybar, said spring being adapted to urge said dollybar rearwardly relative said yoke.

2,570,297
AMINO ACID SYNTHESIS
David I. Weisblat and Douglas A. Lyttle, Kalamazoo, Mich., assignors to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application November 29, 1946, Serial No. 713,894
3 Claims. (Cl. 260—534)

3. A process for the production of an alpha-substituted aminoacetic acid, which comprises: a Knoevenagel-type condensation of a monoalkyl ester of a nitroacetic acid with an aliphatic aldehyde selected from the group consisting of acetaldehyde and isobutyraldehyde to form a monoalkyl ester of an alpha-(aliphatic-substituted)-nitroacetic acid, reducing the nitro group of said ester with hydrogen and a hydrogenation catalyst to produce the corresponding monoalkyl aminoacetic acid ester, hydrolyzing the said ester with an aqueous alkaline hydrolyzing agent, and recovering the alpha-substituted aminoacetic acid from the resulting hydrolysis products.

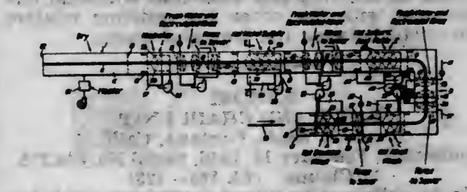
2,570,298
GYROSCOPICALLY CONTROLLED ELECTRICAL GUN SIGHT
Phillip Reed Wheeler, Alexandria, Va.
Application December 19, 1945, Serial No. 636,048
6 Claims. (Cl. 33—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a gun movable in planes of elevation and train, a gunsight adapted to move in unison with said gun and comprising a cathode-ray oscilloscope having vertical and horizontal cathode-ray deflecting plates for providing a reference mark, optical means for imposing an image of said mark in the line of sight of a gunner whereby the image may be moved simultaneously with a target, a first rate gyroscope responsive to movement of said gun in train including a gyroscope rotor mounted for spin in a plane normal to the plane of train of said gun, a second rate gyroscope responsive to movement of said gun in elevation including a gyroscope rotor mounted for spin in a plane normal to the plane of elevation of said gun, means mounting said rotors for freedom of movement about parallel axes each normal to the axis of spin of its respective rotors whereby the rotors of said first and



second gyroscopes will be free to turn respectively about said axes in a direction determined by the direction of movement of said gun in train and elevation and through an angle the magnitude of which is proportional to the rate of movement of said gun in train and elevation, potentiometers for the train and elevation gyroscopes each having a movable contact, means connecting said contacts respectively to the horizontal and vertical deflecting plates of said cathode-ray oscilloscope, and means for moving said contacts responsive to the movement of their respective rotors about said parallel axes whereby said image will be displaced in a plane normal to said line of sight in a direction and an amount proportional to the direction and rate of movement of said gun in elevation and train to provide a proper lead angle when optically tracking a target.

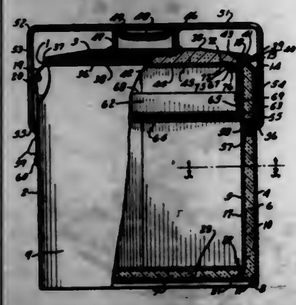
2,570,299
PORCELAIN ENAMELING PROCESS
Erich R. Zademach and William W. Clarke, Hillside, N. J., assignors to Metalwash Machinery Company, Irvington, N. J., a copartnership
Application February 14, 1947, Serial No. 728,414
4 Claims. (Cl. 117—70)



1. In a process for porcelain enameling a ferrous object in which a layer of nickel is first

deposited thereon and the porcelain enameling subsequently formed on said nickel layer, the improvement which comprises conveying a substantially vertically disposed ferrous object through a directed mist of an aqueous solution of a nickel salt having an anion capable of uniting with the metal in said object, said object being subjected to said mist for a period of at least three minutes, said aqueous solution being at a temperature of approximately 175° F., and draining the excess solution from said object by gravity flow.

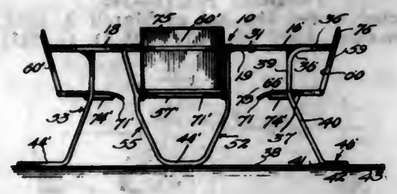
2,570,300
PORTABLE COOLER
Grant M. Acton, Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc., a corporation of Kansas
Application October 1, 1947, Serial No. 777,213
1 Claim. (Cl. 62—63)



A portable cooler comprising, inner and outer shells, each having side, end and bottom walls, the respective walls of said shells being spaced apart, insulation in the spacing between the respective walls, interlocking flanges on the upper ends of the respective side and end walls to form a cooler box having an open top, said interlocking flanges forming an upstanding rib around the box opening, said upstanding rib being substantially in alignment with the walls of the inner shell, the inner shell of said box being adapted to contain ice and bottled beverages therein, and insulated cover having marginal portions overlying and adapted to seat on the upstanding rib for closing and sealing the cooler box opening, means for applying pressure to the cover for removably securing same in sealing engagement with the upstanding rib, a food tray adapted to be received within the interior of the cooler box, said food tray having bottom, side and end walls, a plurality of diagonal indented ribs in the end walls for stiffening same, parallel tracks secured to the bottom of the cover adjacent the ends thereof, flanges on the end walls of the tray slidably receivable in said tracks for removably securing the tray to the cover and position said tray in the upper portion of the cooler box, and indentures formed in the tracks for resiliently pressing the flanges on the tray end walls into frictional engagement with the cover for resisting relative movement between the tray and tracks.

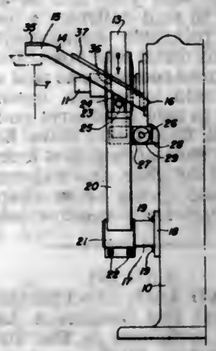
2,570,301
TABLE AND CHAIR UNIT
Daniel L. Adsit, Fontana, Calif.
Application February 18, 1946, Serial No. 648,375
11 Claims. (Cl. 155—123)

1. An article of furniture comprising a tubular frame, a table top carried by said frame, integral horizontal extensions projecting outwardly from said frame, arm rests integrally formed with said table top and mounted on said extensions, each



of said extensions including a chair frame and a pair of legs, and a seat slidably mounted on each of said chair frames.

2,570,302
MACHINE FOR GRINDING CHAIN LINKS AND LIKE ARTICLES
William G. Anderson, Geneseo, Ill.
Application August 27, 1948, Serial No. 46,402
1 Claim. (Cl. 51—74)



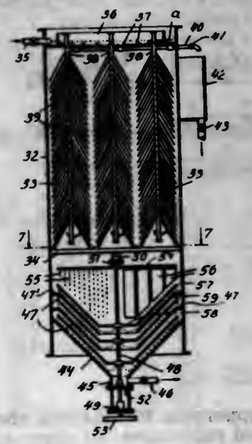
For use with a grinder having a supporting pedestal on which a grinding wheel is carried for rotation on a horizontal axis, a flat face on the pedestal below the grinding wheel and normal to the axis of the grinding wheel, an attachment fixture, comprising: a bracket having apertured flange means for fixed mounting on the flat face of the pedestal and a pivot member rigidly carried by and projecting outwardly from the flange means and positionable below and on an axis parallel to the grinding wheel axis; an upright member having an upper end and a bifurcated lower end, said lower end embracing the pivot member for mounting the upright member for angular adjustment of its upper end toward and away from the front of the grinding wheel; clamp means cooperative with the furcations at the lower end of the upright member for securing said upright member to the pivot member in any one of a plurality of adjusted positions; an article-handling chute crosswise of and at the upper end of the upright member for disposition across the front of the wheel; means mounting the chute on said upper end of the upright member for angular adjustment of the chute about an axis normal to the axis of the pivot member; and means for securing the chute to the upright member in any one of a plurality of adjusted positions.

2,570,303
LIGHT FITTING FOR TUBULAR ELECTRIC LAMPS
Axel Helmer Annell, Stockholm, Sweden
Application May 4, 1945, Serial No. 591,918
In Sweden April 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1964
4 Claims. (Cl. 240—51.11)



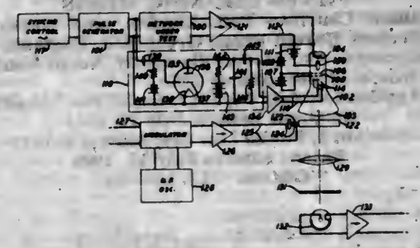
1. In a lighting equipment for luminous discharge tubes, a horizontal bar having substantially an I-cross section including upper and lower flanges and a web, the web of said section being hollow, lamp holders, a ballast, lamp shade holders, at least one member for supporting said bar, means fastening said lamp holders and ballast on the lower flange of said bar, means fastening said shade holders and member on the upper flange of said bar, said fastening means being displaceable along said bar, means for locking said fastening means in different positions on said flanges, and electric conducting wires located in the hollow web of said bar connecting said lamp holders and said ballast with a source of current.

2,570,304
REMOVING SUSPENDED SOLIDS FROM LIQUIDS
Niels B. Bach, New York, N. Y., assignor to The Mirrlees Watson Company Limited, Glasgow, Scotland, a British company
Application May 17, 1946, Serial No. 670,415
7 Claims. (Cl. 210—55)



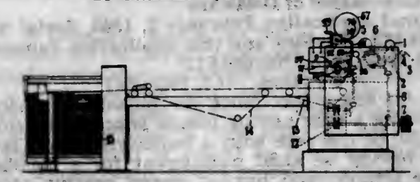
4. In a process of clarifying a liquid containing suspended solid matter in which settling of the solid matter in the liquid being clarified takes place simultaneously in a large number of shallow, closely superposed settling zones inclined to the vertical sufficiently steeply that gravity alone causes the settling solid matter to move toward the lower end of each settling zone into a common vertical settling zone communicating with each of the superposed shallow settling zones, clarified liquid is withdrawn from near the top of each of the superposed settling zones simultaneously with the introduction of liquid to be clarified into said zones and the solid matter settling to the bottom of the vertical settling zone is collected in a sludge zone and discharged; the improvement which comprises periodically interrupting the withdrawal of the clarified liquid from the settling zones for periods of time relatively short compared to the time during which said simultaneous withdrawal of the clarified liquid takes place.

2,570,305
ELECTRIC WAVE TRANSMISSION
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1948, Serial No. 12,381
5 Claims. (Cl. 250—6)



1. A system for measuring the characteristics of a test electrical transmission system which comprises in combination means for impressing an electrical impulse on said test system, reproducing means connected to the output of said transmission system for reproducing the current output of said system in response to said applied electrical impulse, means for supplying simultaneously a plurality of different frequency signals selected over a predetermined band of frequencies, means in energy transfer relation with said means for supplying a plurality of signals and responsive to the output of said reproducing means for separately and simultaneously modulating said signals of different frequency in accordance with said current output, and means responsive to said last-named means for collecting the modified different frequency output currents.

2,570,306
APPARATUS FOR COUNTING AND MARKING SHEETS CUT FROM WEBS
James Eckersley Battersby, Summerstown, London, England, assignor to Masson Scott & Company Limited, London, England
Application July 10, 1947, Serial No. 760,053
In Great Britain May 20, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 20, 1966
18 Claims. (Cl. 93—93)



1. In apparatus for counting and marking sheets cut from a web, including rotary web-

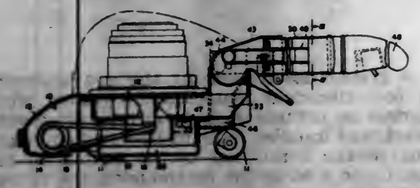
cutting means and web feeding means, the combination comprising electrically operated sheet counting means including an electric circuit, a switch in said circuit, switch actuating means for actuating said switch in synchronism with each cut in the web effected by the web-cutting means, feeding means for feeding a marker together with the web to be cut after a predetermined number of sheets have been counted so that the marker and sheet are severed simultaneously, electromagnetic means controlling the operation of said marker feeding means, said electromagnetic means being included in a circuit, switch means in the latter circuit, said switch means being actuated by the counting means at the end of a counting period to effect operation of said marker feeding means.

2,570,307

SUCTION CLEANER WITH PNEUMATIC FILTER CLEANING MEANS

William Charlton Bell, London, and Raymond Herbert Harold Press, Greenford, England, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 17, 1947, Serial No. 761,530
In Great Britain July 12, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires July 12, 1966
7 Claims. (Cl. 15—351)



1. A suction cleaner comprising, an ambulatory body, a nozzle carried by said body, a hollow handle for propelling said body over a surface to be cleaned, a motor driven fan, a passageway communicating between the suction side of said fan and said nozzle, said passageway including a preliminary dirt separator, a final dirt filter positioned within said handle and interiorly connected to the pressure side of said fan, a scavenger nozzle movably positioned against the inner surface of said final filter and interiorly connected to the suction side of said fan, a pivotal joint for pivotally connecting said handle to said body and means actuated by pivotal movement of said handle relative to said body for moving said scavenger nozzle over the interior surface of said final filter.

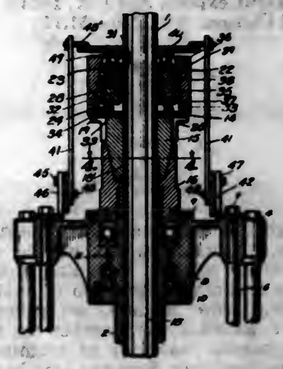
2,570,308

AUTOMATIC CHUCK FOR PULLDOWN DEVICES

Clarence D. Beeth, Houston, Tex., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Original application February 1, 1943, Serial No. 474,259. Divided and this application January 28, 1946, Serial No. 643,913
4 Claims. (Cl. 255—22)

1. An automatic chuck for pull-down devices including a case having means adapted for connection of the case with a pulldown device, said case having an axial passageway for a member to be gripped and having spaced bearing faces spaced circumferentially about the passageway and inclined outwardly relative to the axis of said passageway and in the direction of said connection means, jaws having correspondingly inclined bearing faces, backing members having rolling contact with the inclined bearing faces of the jaws and with the correspondingly inclined faces of the case, guide means supporting the



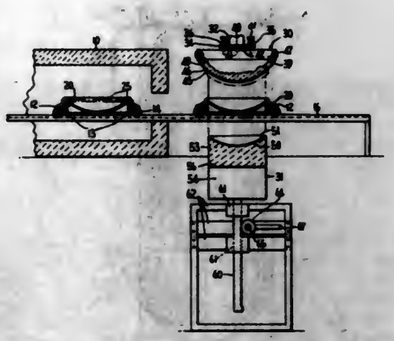
jaws in the case for movement to and from said axis in directions substantially parallel with said bearing faces, springs between the jaws and case for moving the jaws in one direction to grip said member, and means for moving the jaws in opposition to said springs for releasing the jaws.

2,570,309

METHOD AND APPARATUS FOR BENDING GLASS

Lloyd V. Black, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application September 13, 1950, Serial No. 184,628
10 Claims. (Cl. 49—7)



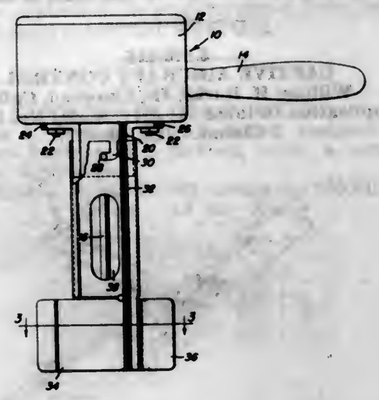
1. In an apparatus for shaping sheet glass to predetermined curvatures, an upper convex mold section, means for supporting the upper mold section, a lower concave mold section movable vertically into and out of nesting relation to the upper mold section, a glass supporting frame section disposed in registering relation to the lower mold section and having an opening across which the sheet glass is supported, and means for moving the lower mold section upwardly through the opening into contact with the glass and carrying said glass upwardly into molding relation to the upper mold section.

2,570,310

SHIELD FOR ROTARY MIXERS

Einar I. Bogen, Hyde Park, Mass.

Application January 3, 1950, Serial No. 136,505
3 Claims. (Cl. 259—1)



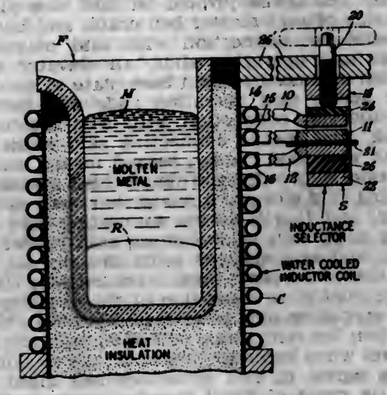
1. For use in a shield for a rotary mixer, a shield member having cylindrical side walls, and arcuate guards secured to said cylindrical side walls, the radii of curvature of said guards being greater than the radii of said cylindrical side walls, said arcuate guards being defined by communicating longitudinal and transverse slots in said member, said guards having free ends, said free ends being positioned outwardly of said member substantially parallel with the longitudinal axis of said member.

2,570,311

ELECTRIC INDUCTION FURNACE

William J. Bohnet, New York, and Glen D. Bagley, Lewiston, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York

Application June 1, 1949, Serial No. 96,596
5 Claims. (Cl. 13—27)



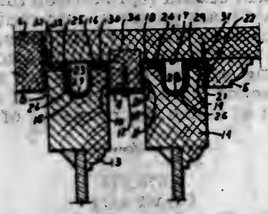
3. The combination with a high-frequency electric induction furnace for melting a metal charge by direct induction, comprising a water-cooled inductor coil in circuit relation with a high-frequency generator and a tank condenser, of means for selectively short-circuiting the top turns of said coil.

2,570,312

WINDOW SASH CONTROL AND WEATHER STRIP

John N. Bond, Clay County, Mo., assignor to Superior Weatherproof Corporation, Kansas City, Mo., a corporation of Missouri

Application February 3, 1950, Serial No. 142,304
2 Claims. (Cl. 20—52.4)
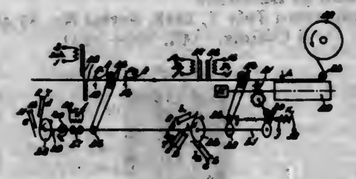


1. A weather stripping and cushion sash control formed of a single strip of spring metal including, basal flanges and an intermediate portion formed into an upstanding longitudinally disposed U-shaped guide rib throughout the length of the strip, one of said flanges having apertures for fastening devices for securing said flange along one edge of the bottom of sash guideways of a window frame, at least one of said flanges having an intermediate upstanding corrugation extending throughout the length of the strip, whereby the corrugations resiliently engage the side edges of a sash and the flanges the bottom of the guideways in the window frame, the rib and corrugation being disposed in the guideways in the frame relative to a groove in the sides of the sash, the side of the rib opposite the apertured edge of the strip resiliently engaging a side of the groove compressing the rib whereby the resiliency of the strip acts to urge the sash into resilient engagement with the parting stop of a window frame in which the strip is secured.

2,570,313

RECEIVING DEVICE FOR THE TRANSMISSION OF PICTURES

Louis Raymond Bourgonjon, Alexandre Herowitz, Derk Kiels, Florus Cornelis Willem Sieoff, Martinus van Tol, and Jacob Marinus Unk, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

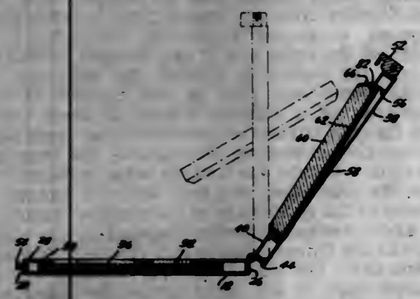
Application April 30, 1948, Serial No. 24,246
In the Netherlands May 2, 1947
4 Claims. (Cl. 178—6.7)



1. A receiving device for image transmission, in which the images are produced with space portions therebetween on a reproduction film moving in a predetermined path, and said path in one part thereof being along an image recording device, comprising; a film marking device for producing a pair of marks on said reproduction film, transmission means including a device for scanning the original film to be reproduced, means for controlling operation of said reproduction film marking device, said last-named means

being responsive to a signal which is produced by said transmission scanner device when said space portions of said original film between two successive images is scanned, said marking device comprising; a first marking member constructed and arranged to produce a mark in said reproduction film at an area remote from a limiting edge of said image, a contact device arranged near said path of said reproduction film for sensing when said mark passes by said contact device, a second marking member, and means responsive to said sensing action by said contact device for actuating said second marking member to produce a second mark in that area of said reproduction film at which the recording of the image is limited.

2,570,314
COMPACT
Eve Brand, New York, N. Y.
Application May 5, 1949, Serial No. 91,531
3 Claims. (Cl. 132—83)



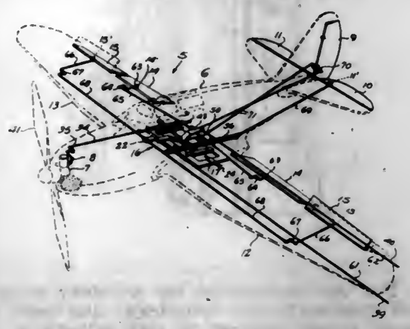
3. Cosmetic compact construction comprising: a main body element, a lid element, and a mirror element; said lid element being pivotally associated with said main body element; said mirror element being pivotally associated with said lid element; and means associated with said main body element serving to rotate said mirror element with respect to said lid element when said lid element is moved with respect to said main body element, said means including a flexible elongated connecting member.

2,570,315
MAGNETIC OPERATED SWITCH
Richard D. Brewer, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application July 7, 1948, Serial No. 37,460
4 Claims. (Cl. 200—103)



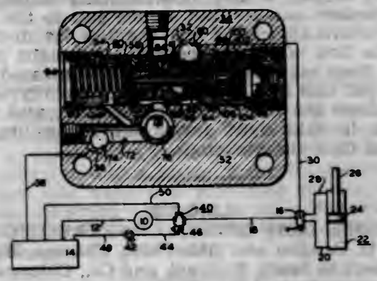
1. In an electrical regulating apparatus, a pair of co-operating contact points mounted upon a pair of solid semicylindrical contact reeds having a convex and a planar surface, said reeds being arranged coaxially with a magnetic field so that the magnetic field magnetizes the reed with like poles adacent and causes the reeds to repel each other, said contact points being mounted upon and recessed into the planar surfaces of the reeds.

2,570,316
CAPTIVE AIRCRAFT CONTROL
William H. Burks, Jr., Lynwood, Calif.
Application October 11, 1949, Serial No. 120,681
2 Claims. (Cl. 46—77)



1. In a captive airplane having wing flaps, ailerons, a rudder, an elevator, and a pair of operator's control wires extending away from the inboard side of the airplane, a control unit comprising a base mounted stationarily on the airplane, an operating slide mounted on said base for movement crosswise of the airplane in inboard and outboard directions, retracting spring means for returning said operating slide in an outboard direction opposite to the pull of the operator's control wires, a master bell crank pivoted intermediate its ends on said operating slide having said operator's control wires severally connected to opposite ends thereof whereby a greater pull on one of said control wires pivots said master bell crank out of an intermediate position and into a flight-correcting position, a rudder bell crank pivoted on said base plate at one side of said master bell crank and having a pin-and-slot connection with said master bell crank and operating slide, an elevator actuator bar mounted on said base plate to slide endwise across said operating slide and having a pin-and-slot connection with said master bell crank, first means connecting said rudder bell crank with said rudder, second means connecting said slide with said flaps, third means connecting said elevator actuator bar with said elevator, and fourth means connecting said operating slide with said ailerons, said rudder, said flaps, and said ailerons being initially set for a predetermined centrifugal flight path for the airplane relative to a position of the operator with said operating slide in retracted position, whereby when the centrifugal pull upon said operator's control wires becomes greater or less as said airplane moves in said predetermined flight path and its speed of flight therein increases or decreases, said operating slide will be progressively pulled away from its retracted position against the resistance of said spring means or permitted to be retracted by said spring means so as to coordinately produce corresponding corrective positionings of said rudder, said elevator, and said ailerons for the increase or decrease in speed, and whereby whenever said airplane is forced out of the predetermined flight path toward the operator's position and said control wires tend to become slack, said spring means will act to retract said operating slide to its retracted position and thereby restore the initial setting of said rudder, said flaps and said ailerons so as to maintain the airplane in its predetermined flight path and maintain the control wires taut.

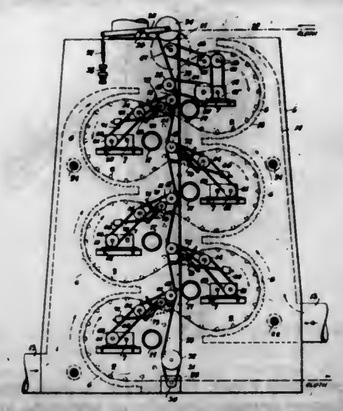
2,570,317
FLOW-REGULATING VALVE
Ambrose L. Bussom, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application June 18, 1945, Serial No. 600,005
7 Claims. (Cl. 60—52)



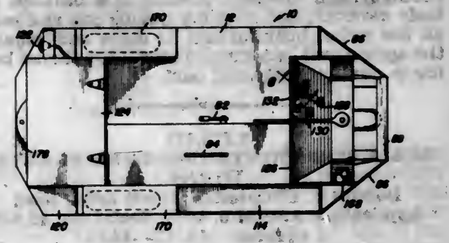
1. A flow regulating valve for controlling flow in hydraulic power transmission systems comprising in combination means forming a flow passage having an inlet and an outlet, an adjustable throttle in the passage, a pressure compensating valve biased to a position fully opening the passage when flow to the inlet of the passage is interrupted and including operating means responsive to the pressures ahead of and beyond the throttle for causing the compensating valve to maintain a constant pressure drop across the throttle, resiliently loaded means in the passage ahead of the compensating valve and biased to a position for temporarily closing the passage when fluid flow is resumed to the inlet after interruption, and operating means for the resiliently loaded means responsive to predetermined pressure increases at the inlet of the passage when fluid flow to the inlet of the passage is resumed after interruption for causing the resiliently loaded means to gradually open the passage ahead of the compensating valve.

2,570,318
APPARATUS FOR DRYING FABRIC
Harry W. Butterworth, Jr., Philadelphia, Pa., and Samuel Cohn and Mortimer Cohn, New York, and Jules G. Walter, Ridgewood, N. Y., assignors to Samcoe Holding Corporation, New York, N. Y., a corporation of New York
Original application November 9, 1942, Serial No. 465,034. Divided and this application July 19, 1945, Serial No. 606,014
5 Claims. (Cl. 34—115)

1. In a drying system for fabrics of the class consisting of knitted and woven textiles a casing, a plurality of rotatable members within the casing adapted to support and convey a continuous length of said fabric to be dried and having pervious peripheral structures directly supporting the fabric alternately first on one side and then on the other and feeding the fabric while permitting passage of air therethrough, an outer supply of heated air, separate air ducts for said outer air supply, and a plurality of separate air distributors independently leading the said air to each side of the fabric length as it passes over said rotatable members and separately receiving the air from said outer air supply through said air ducts and having nozzles adjacent said pervious peripheral structures passing said air supplies through the fabric on said members alternately from the air distributor nozzles on one side and then from the air distributor nozzles on the other side so that both sides of the fabric are alternately subjected to the air flows and the fabric is evenly dried on both sides.



2,570,319
LOW-HEIGHT TRACTOR FOR HAULING MINE CARS
Joe Cassady, Iaeger, W. Va.
Application December 9, 1948, Serial No. 64,316
2 Claims. (Cl. 180—65)



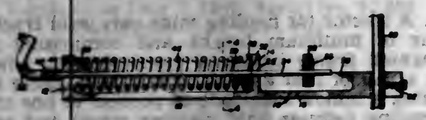
2. A tractor for hauling mine cars, said tractor being of minimum height and comprising an elongated frame having a front steering wheel and a pair of rear driving wheels, said frame including a hollow longitudinal portion at one side extending between said steering wheel and said driving wheels, said frame also including a longitudinal platform disposed below the hollow portion and alongside of said hollow portion between the steering wheel and the driving wheels and being sufficiently long to accommodate an operator in a prone position, and a steering lever attached to said steering wheel and disposed for movement in a plane below the top of the frame and above the hollow portion to permit manual operation of said steering wheel by a driver disposed in a prone position on said platform, and an electrically operated power means mounted within said hollow portion and operatively connected to said driving wheels.

2,570,320
COMBINATION TRAVELING BLOCK AND SWIVEL CONNECTION
Byron C. Christensen, Oklahoma City, Okla.
Application July 31, 1946, Serial No. 687,312
8 Claims. (Cl. 254—195)
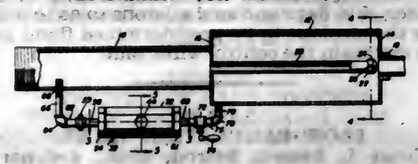


8. A traveling block including, a body member having sheave compartments on opposite sides of an intermediate compartment extending through one end of the body member with partitions dividing the compartments and cooperating with sides of the body member for forming sides of the sheave compartments, spindles arranged transversely of the sheave compartments and having support in the sides of the body member and said partitions, sheaves rotatable within the sheave compartment on the spindles, a swivel bushing, means rotatably mounting the swivel bushing in the end of the intermediate compartment opposite said sheaves, a stem having non-rotatable sliding support in said swivel bushing and terminating between said sheaves, a spring seat on the terminal end of the stem and having an annular shoulder, a thrust bearing carried on said shoulder and adapted to engage a part on said body member, and a spring having one end seated on the swivel bushing and its other end engaging the spring seat to normally retain the thrust bearing in contact with said part.

2,570,321
SCALE FOR TIGHTENING CORN PLANTER WIRES
Donald F. Christoffer, Spirit Lake, Iowa
Application August 6, 1948, Serial No. 42,967
3 Claims. (Cl. 73—143)



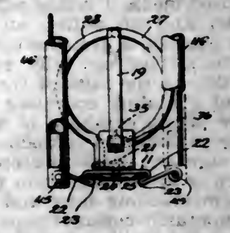
1. A device for tightening check row wires a predetermined amount comprising a frame having an end wall and an intermediate wall, said walls having aligned apertures therein, a rod slidably mounted in said apertures, a spring seated on said end wall and reacting on said rod opposing the operation of said rod, means at one end of said rod for clampingly engaging a check row wire, a stop, means adjustably mounting said stop on said rod adjacent the opposite end thereof, a post, and means securing said post to said frame and in selected positions with relation to said frame.

2,570,322
FLOW METERING DEVICE
Emanuel H. Christopher, Bowie, Tex.
Application February 4, 1948, Serial No. 6,305
11 Claims. (Cl. 116—117)



1. An apparatus for determining the flow of fluid through a feed line comprising an enlarged section in said feed line, an inlet and outlet port in said section, a tube longitudinally disposed in said section and secured at one end to the inlet port, means associated with the tube for obstructing the flow of fluid therethrough, a sight device offset from said feed line and communicated with said feed line and said section for conveying the fluid from the tube to the outlet port, and valve means in said sight device for controlling the flow of fluid therethrough.

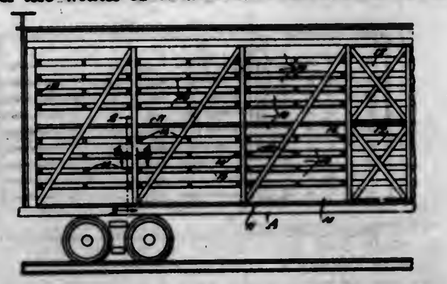
2,570,323
LOOSE-LEAF BINDER CONSTRUCTION
John C. Condon and Otto Felix, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 27, 1948, Serial No. 46,428
2 Claims. (Cl. 129—1)



1. In a ring binder, a backing member comprising a metallic channel with longitudinal sides doubled over in opposite symmetry affording a central recess for receiving identification material slidable thereinto, a plurality of U-shaped journal supports secured to said member in end-to-end alignment and spaced one from another on the inner surface of said backing strip, binder ring elements associated with each of said U-shaped supports split into semicircular halves with corresponding halves of said rings secured to said supports, polygonal tubular sections confined within said supports having secured thereto the other halves of said binder rings, an operating beam journalled in and extending through all of said supports and polygonally conforming with said tubular sections, and spring detent means for holding said operating beam in either its ring-closed or its ring-open positions.

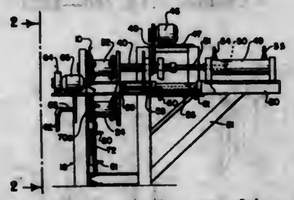
2,570,324
LIVESTOCK CAR SHUTTER STRUCTURE
James M. Coyner, Madison, Wis.
Application July 14, 1948, Serial No. 38,711
4 Claims. (Cl. 98—6)

1. In a livestock car having side walls equipped with spaced horizontal slats, a plurality of horizontal shutters, said shutters having their upper edges equipped with flanges extending forwardly into the space between said slats, means for raising and lowering said shutters in the space between said slats and including a depending strap secured to said shutters at spaced distances to support said shutters in spaced relation, said shutters having a width not substantially greater than the width of said slats whereby, when said



shutters are allowed to drop, the top flanges of said shutters suspend said shutters behind said slats to open the spaces between the slats, and vertically-extending guide members carried by said car side walls and providing vertical guide recesses receiving the ends of said shutters, the ends of said shutters being supported within said guide recesses by said strap.

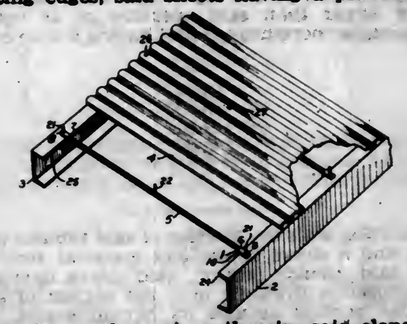
2,570,325
CENTRIFUGAL CASTING MACHINE
Lester Frank Dalton, Torrance, Calif.
Application February 20, 1948, Serial No. 9,721
6 Claims. (Cl. 22—65)



1. In a centrifugal casting machine, the combination of: a stationary frame, a carrier rotatably mounted on the frame, a plurality of annular open-ended molds circumferentially spaced on said carrier, bearings on said carrier engaging the outer surfaces of the molds between the ends thereof for supporting the molds for rotation about axes parallel to the carrier axis, axially movable spinner means on the frame releasably engageable with one end of each mold to spin the mold, an element on the frame having a central opening into which molten metal may be poured into the other end of each mold, and a stripper mounted on the frame for reciprocating axial movement on an axis constituting a line element in a cylinder defined by rotation of the center lines of the molds about the axis of the carrier, the stripper having a head insertable into the first said end of each mold for ejecting a casting axially therefrom.

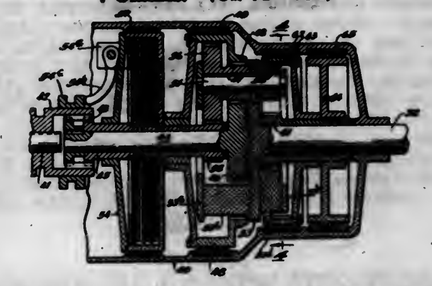
2,570,326
FASTENING DEVICE FOR SHEET MATERIAL
Joseph B. De Angelis, Trenton, N. J.
Application December 30, 1946, Serial No. 719,200
4 Claims. (Cl. 189—35)

1. A structural assembly comprising, in combination, a plurality of laterally spaced supports, an elongated member extending between the supports, forked members removably mounted on the ends of the elongated member and having upper and lower arms engaging the supports, means securing the arms of the forked members to the supports, a plurality of covering sheets overlying the supports and overlapping at their mating edges, said sheets having a plurality of



aligned spaced openings therein, said elongated member underlying and engaging said sheets in alignment with the openings therein, upstanding threaded studs on said elongated member and the upper arms of the forked members extending into the aligned openings in the sheets, and means engaging said studs and sheets and retaining said sheets on the support.

2,570,327
TRANSMISSION
Adiel Y. Dodge, Rockford, Ill.
Application April 6, 1946, Serial No. 660,232
7 Claims. (Cl. 74—761)

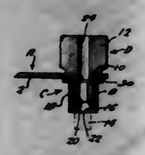


1. A transmission for connecting driving and driven shafts comprising a compound planetary gear set having a pair of sun gears, a pair of ring gears, a gear carrier, a pinion on the carrier meshing with one of the sun gears and one of the ring gears, a second pinion on the carrier connected to the first named pinion, and an idler pinion meshing with the other sun and ring gears and with the second pinion, means for connecting the carrier and one of the sun gears to the shafts, brake means for selectively braking the other sun gear and the ring gears, means inclosing one of the sun gears and its corresponding ring gear and pinions to form a gear pump, and a valve controlling inlet and discharge of fluid to the gear pump.

2,570,328
DRESS PATTERN MARKER
Lawrence L. Dritz, Lawrence, N. Y., assignor to John Dritz & Sons, New York, N. Y., a partnership
Application September 18, 1948, Serial No. 49,895
1 Claim. (Cl. 120—13)

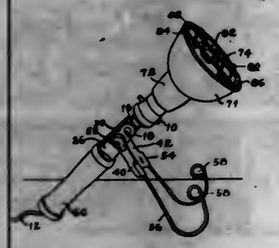
A marker comprising an arm having an aperture therein and a holder for marking units

rotatably secured on said arm, said holder comprising a tubular portion projecting through said aperture from the top of said arm to the bottom and having an internal diameter slightly greater than the unit to be secured therein, a knob integral and coaxial with said tubular portion and positioned on the top of said arm, said knob being larger than said aperture so as not to be passable therethrough and having a bore com-



municating with the interior of said tubular portion, and a sleeve of resilient material received over said tubular portion, said sleeve having a lip projecting inwardly over the bottom of said tubular portion around its circumference, the internal diameter of said lip being slightly smaller than the unit to be secured in said holder, said lip constituting the sole element to make contact with said unit and secure it in position in said holder.

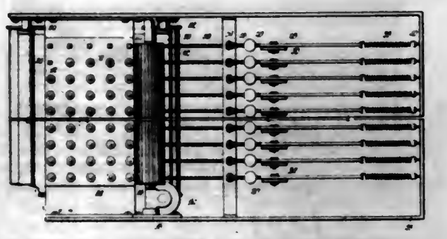
2,570,329
TROUBLE LIGHT WITH TRIPOD-FORMING SUPPORT
Milton S. Dunkelberger, Dayton, Ohio, assignor to The American Display Company, Dayton, Ohio, a corporation of Ohio
Application May 30, 1945, Serial No. 596,615
2 Claims. (Cl. 240—53)



1. An extension light assembly, the combination including a socket for the light bulb, a bracket attached to the socket, said bracket having a pair of oppositely disposed pintles, a U-shaped member having its legs provided with apertures through which the pintles project, a handle attached to said U-shaped member, and means pivotally attached to the U-shaped member adjacent the pintles, said means terminating in a pair of hook-like wire members cooperating with the handle to form a tripod support for the light assembly, the socket extending from the vertex of the tripod.

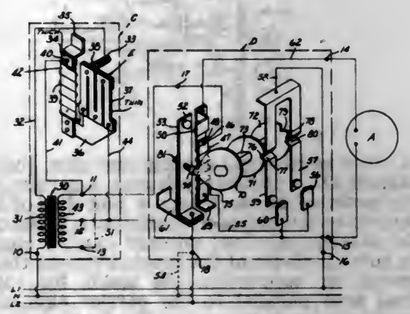
2,570,330
MUSIC WRITING MACHINE
Richelieu C. Egian, Kansas City, Kans.
Application October 11, 1948, Serial No. 53,929
7 Claims. (Cl. 84—461)

1. Apparatus for transcribing notes played on a keyed musical instrument upon an elongated sheet of material provided with longitudinally arranged staff lines on one face thereof, said apparatus comprising means for moving said sheet of material on its longitudinal axis; a plunger with a head for each key respectively of said instrument, said heads each having engraved thereon the musical character corresponding to its respective key, and being movable toward and from a position where the engraved characters thereof strike said face of the sheet of material, said heads being arranged in alignment with their corresponding character posi-



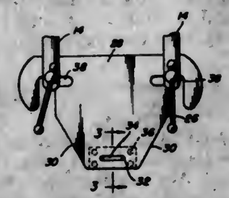
tions on the sheet of material with respect to said staff lines; and actuating means for each plunger respectively including a hammer swingable against and away from the plunger; elements for swinging the hammer away from the plunger upon depression of the corresponding key; and spring means for swinging the hammer against its plunger upon release of the depressed key and said elements.

2,570,331
HEAT CONTROL SYSTEM
William B. Elmer, Aurora, Ontario, Canada
Application June 15, 1948, Serial No. 33,177
4 Claims. (Cl. 200—122)



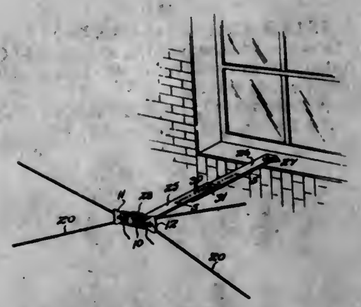
1. A timing mechanism adapted to be used in an electrical heat control system comprising a pair of bimetallic arms of substantially unequal heat capacity mounted in series, one bimetallic arm comprising a relatively long, thick bimetal member, an electrical heating element in heating relation thereto, and electrical insulation therebetween, the second said arm comprising a relatively short and thin bimetal member adapted to be heated internally by the flow of electric current within said second member; switch means adapted to be opened and closed by the conjoint action of said arms, the externally heated and relatively thick arm of higher heat capacity being arranged to open the switch and the internally heated and relatively thin arm of lower heat capacity being arranged to close the switch when the arms are heated, both said heating means for the arms operative when the switch is closed.

2,570,332
PLATE FOR OUTBOARD MOTORS
Raymond J. Enrico, Chisholm, Minn., assignor of twenty-five per cent to Chester A. Tomassoni, Bemidji, Minn.
Application October 19, 1948, Serial No. 55,374
2 Claims. (Cl. 70—229)



1. In combination with a pair of outboard motor mounting screws, a locking device comprising a plate, means for suspending said plate on said screws, a slot in said plate, a keeper extending through said slot and adapted to be secured to a boat transom, and a lock engaging said keeper, said means including spaced L-shaped slots adjacent one end of said plate for receiving said mounting screws.

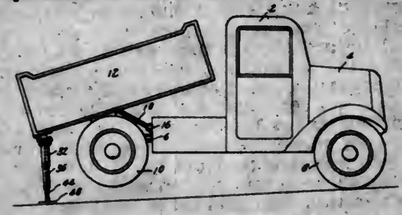
2,570,333
ANTENNA
Michael D. Ercolino, Wanamassa, N. J.
Application May 5, 1949, Serial No. 91,477
7 Claims. (Cl. 250—33)



1. A high frequency antenna comprising two pairs of dipole rods, each pair being in the form of a V and an insulating member and dipole bracket secured to the apex of each V, the apices of the V-structure being substantially adjacent each other on said insulating member and the axes of the V-structures being in the same horizontal plane, said dipole brackets being folded metallic members having a pair of spaced openings formed through the fold thereof, the rods of each dipole structure extending through the respective openings of each dipole bracket.

2,570,334
VEHICLE JACKING DEVICE
Frank J. Erjavec, Cleveland, Ohio
Application June 11, 1948, Serial No. 32,467
1 Claim. (Cl. 254—86)

The combination with a vehicle having a power operated pivoted dump body, of telescoping extensible tubular props, brackets secured to the dump body at a point near the rear edge thereof, a shaft pivotally mounted in each bracket, a second shaft connected to each shaft, heads, upstanding ears on each of said heads pivotally receiving said second shaft and said heads are connected to the upper ends of said props, whereby operation of the body to dump position will



raise the rear truck wheels, a base on the lower ends of said props and supporting means for the props when said props are not in lifting position.

2,570,335
FLEXIBLE SHAFT
Frederick B. Fitch, Detroit, Mich., assignor to Morris Farm Machinery Company, Detroit, Mich., a corporation of Michigan
Application March 25, 1949, Serial No. 83,371
8 Claims. (Cl. 64—2)



1. A flexible coupling for connecting driving and driven shafts comprising an inner or driving assembly composed of relatively longitudinally movable driving links interlocked against relative rotary motion, and an articulated tube of constant length surrounding and journalling the driving assembly and composed of solidly circular separate rings swivelly interconnected for angular shifting but without relative longitudinal or rotary movement, the tube terminating at its ends short of the ends of the end links whereby such end links can be connected outside the tube to the shafts, and cooperating formations on the end links and end rings interlocking them against relative longitudinal movement in either direction while permitting their relative rotary motion.

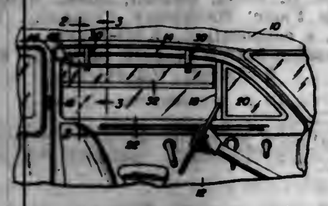
2,570,336
WINDOW SILL AND LEDGE STRUCTURE
William C. Fouts, Fairmont, W. Va.
Application January 20, 1950, Serial No. 139,579
2 Claims. (Cl. 20—70)



1. A prefabricated window sill and ledge structure comprising a hollow thin walled body of elongated rectangular shape in plan and having a flat wall constituting the top wall of the sill portion thereof, said top wall being provided with a longitudinally extending narrow depression, a pair of spaced apart substantially parallel walls extending in the same direction one from each longitudinal edge of said flat wall and constituting the front and rear walls of said sill portion, a wall declining from the edge of said front wall remote from said top wall in a direction away from said top wall and constituting the top wall of the ledge portion of said structure, a wall extending from the edge of the ledge top wall re-

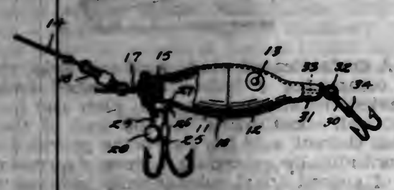
mote from said front wall to the side of said ledge top wall remote from said sill top wall and constituting the front wall of the ledge portion of said structure, a flat wall extending from the edge of the ledge front wall remote from said ledge top wall toward the sill rear wall and substantially parallel to said sill top wall constituting the bottom wall of said structure, the space between said sill rear wall and the adjacent edge of said bottom wall being open, an end wall closing each end of said structure, and a drain through tube extending from the bottom of said depression through said sill top wall and through said bottom wall near said ledge front wall.

2,570,337
DEFLECTOR FOR AUTOMOBILE WINDOWS
Frank A. Gallik, North Tarrytown, N. Y.
Application September 8, 1949, Serial No. 114,523
3 Claims. (Cl. 98—2)



1. A deflector for use with an automobile door having a vertically slidable adjustable sash, comprising a pair of brackets and a shield of sheet material, each bracket having a terminal portion secured to the top of said door, a shank portion extending arcuately downwardly on the inside of the door and a bifurcated portion spaced from said door and extending downwardly and toward said door, said shield having its upper edge portion fixed in said bifurcated portions and its lower edge adjacent said sash, said shield being rigid, impervious to water and opaque to certain light rays, said shield having a substantially vertical end piece of generally triangular configuration, said end piece being arranged at an angle to said shield and extending toward the sash, and said end piece contacting said sash to prevent air from escaping directly rearwardly from the space between said shield and the door.

2,570,338
FISH LURE
William M. Gambill, Abilene, Tex.
Application May 2, 1950, Serial No. 159,609
2 Claims. (Cl. 43—42.47)



1. A fish lure comprising a hollow body having reduced opposite ends, one of said ends having a forwardly opening horizontally disposed slot, a forward fin loosely disposed in said slot and projecting substantially horizontally from said one end, a substantially U-shaped hook support at said one end, said U-shaped support having the arms thereof oppositely secured at the top and bottom body respectively, one of said arms of the support forming a pivot pin intersecting said slot and loosely extending through said fin, a hook loosely depending from said support, an eye carried by the opposite or rear end of said body, an obliquely disposed fin loosely carried by said eye, and disposed on an upward and forwardly inclined angle, and a rear hook loosely engaging said eye and overlying the upper side of said latter named fin.

2,570,339
DIAGNOSIS OF ALLERGIES
William Holmes Gardner, West Palm Beach, Fla.
No Drawing. Application April 8, 1948, Serial No. 19,892
2 Claims. (Cl. 167—78)

1. A method of determining sensitivity of the patient to a suspect source of allergenic disturbance comprising isolating *B. coli* taken from the suspect source, culturing the *B. coli* from the suspect source to provide a colony of *B. coli*, inactivating the culture, and diluting the inactivated culture with sterile saline solution to make an extract having the allergenic characteristic of the suspect source, mixing the extract with the blood serum of the patient to incur agglutination in degree proportional to the degree of sensitivity of the patient to the suspect source, and observing the agglutination of the mixture to determine the sensitivity of the patient to the source of the *B. coli*.

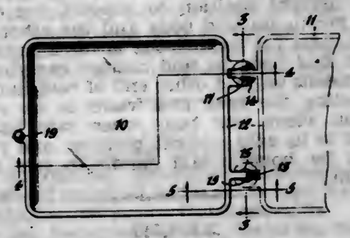
2,570,340
MASTER SHIPPING CARTON
Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application January 17, 1949, Serial No. 71,350
1 Claim. (Cl. 206—65)



A package comprising a master shipping carton, a tubular upright liner therefor receiving a multiplicity of relatively small articles or packages therein, said liner having an overall height that renders it inconvenient to pack the lower portion thereof by reaching through the upper end thereof, and counterpart upper and lower slip covers telescoping over the respective upper and lower ends of said liner with their ends in abutting relation, the improvement which consists in making said liner of separate lower, intermediate and upper sections adapted to be assembled and packed in endwise abutting relation in the order named with said lower liner section

located entirely within said lower cover and terminating short of the upper end thereof with said upper liner section located entirely within said upper cover and terminating short of the lower end thereof and with said intermediate liner section extending downwardly into said lower cover into abutting relation to said lower liner section and upwardly into said upper cover into abutting relation to said upper liner section, whereby the said intermediate section extends across the joints between the abutting ends of said cover and said cover extends across the joints between the abutting ends of said intermediate and end sections, and wherein said articles or packages are packed in said sectional liner in horizontal rows with one row of packages extending across each of the joints between said intermediate and end liner sections.

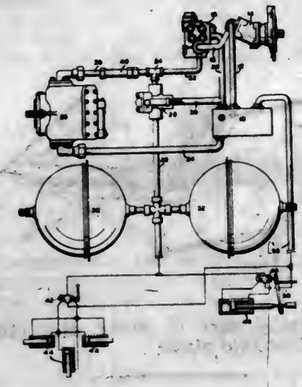
2,570,341
HINGE FOR CONTAINERS
George H. Hake, Depew, N. Y.
Application July 24, 1948, Serial No. 40,479
4 Claims. (Cl. 220—31)



1. An integrally molded hinge for box-sections, each section having a single lug and a bifurcated lug projecting from one side thereof in transversely alined relation, one of said lugs having oppositely-facing pivot bosses formed thereon and the companion lug having complemental oppositely-facing overlapping recesses therein disposed at substantially right angles to the joint plane of the box, one of said recesses being open at its upper end, and terminating at its lower end in an upwardly-facing seat-forming abutment for one of the pivot-bosses and the other of said recesses being open at its lower end and terminating at its upper end in a downwardly-facing, seat forming abutment for the other of said pivot-bosses.

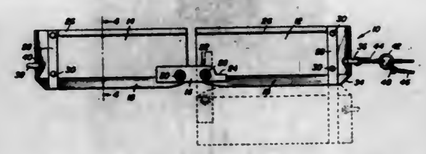
2,570,342
PUMP CONTROL
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application November 26, 1945, Serial No. 630,919
2 Claims. (Cl. 103—11)

1. A pressure source for a hydraulic power system of the type having a substantially continuous demand at low volume and an intermittent demand at large volume comprising in combination, a fixed displacement pump, unloading valve and accumulator of sufficient capacity to supply substantially the entire large volume demand, and a pressure-controlled, variable displacement pump of a capacity at least equivalent to the low volume demand and connected in parallel with the first pump, the unloading valve being adjusted to unload the first pump at a pressure lower than the pressure at which the second pump begins to operate at reduced displacement whereby the continuous demand may be supplied by the second



pump and the first pump may remain unloaded except during periods of large volume demand.

2,570,343
STONE LOADING AND TRANSPORTING DRAG
Richard A. Hendrickson, Waubay, S. Dak.
Application October 20, 1949, Serial No. 122,387
8 Claims. (Cl. 214—65)

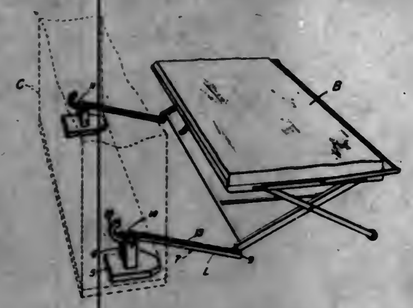


1. A loading device comprising a pair of elongated platforms arranged in side-by-side relation and having their adjacent side edges beveled, means hingedly connecting the rear ends of said platforms for opening and closing movement of said platforms relative to each other, a tow cable, and means carried at the forward end of each platform for selectively attaching said tow cable to one or both the forward ends of the platforms.

2,570,344
TRACKWAY GUIDED BED
Walter L. Heffmann, Flushing, and Arthur E. Lennstrom, Richmond Hill, N. Y.
Application March 8, 1950, Serial No. 148,392
5 Claims. (Cl. 5—145)

1. The combination of a channeled member and a standard supporting said member, said member having a bottom and a pair of oppositely disposed side walls extending in the same direction from said bottom and cooperating therewith to form a trackway adapted to guidably receive a part projecting from a structure to be carried by said member, a pintle carried by and extending in opposite directions from the member, said member comprising an elongated portion and a shorter portion, said portions extending in opposite directions from the location of said pintle, the standard comprising a base and a pair of parallel elements extending in the same direction from said base and pivotally receiving said pintle, said shorter portion being hook-shaped and having a curved bight portion forming a pocket between said pintle and the outer end of

said shorter portion for receiving the part projecting from said structure and cooperating with



the projecting part to swing said channeled member about said pintle.

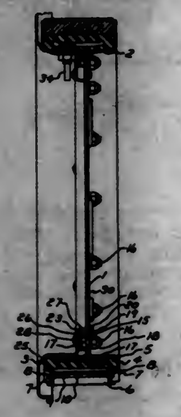
2,570,245

EXPANDER TUBE BRAKE CONSTRUCTION

Charles Hollerith, Jackson, Mich., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

Application December 29, 1945, Serial No. 638,312

4 Claims. (Cl. 188—152)



1. In an expander tube brake structure, a combination channel rim for expander tube and torque flange, comprising a pair of sheet metal stampings having outer peripheral portions collectively defining an annular channel rim with inwardly extending radial portions in contiguous relation to collectively define a two-ply radial torque flange portion directly adjacent said rim, one of said stampings having a radial portion extending inwardly to complete the radial inward extension of the torque flange, the other of said stampings having its radial portion terminated adjacent said rim, means for removably securing said last stamping to said first stamping, and a third stamping completing the two-ply radial structure of said torque flange and contiguous with said first stamping, the inner periphery of said second stamping and the outer periphery of said third stamping having edge portions adapted for mutual engagement to pilot one stamping upon the other to facilitate the assembly of said second stamping upon said first stamping.

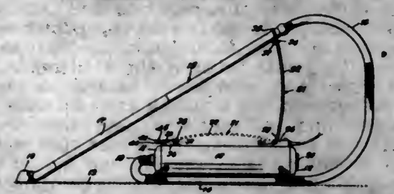
2,570,246

HOSE SUPPORT FOR SUCTION CLEANERS

Herbert W. Hoover, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application June 23, 1945, Serial No. 601,174

2 Claims. (Cl. 15—327)



1. In a suction cleaner of the type having a cleaning nozzle connected thereto by a conduit having a manipulating wand and a flexible hose, a body supported for movement over a surface by exerting a force through the conduit, a cleaner carrying handle, means pivotally securing one end of said handle to the top of said body for movement to its carrying handle position alongside the top of said body and to a substantially upright position to support the conduit, latch means on said body and the other end of said handle for locking the latter alongside the top of said body in said cleaner carrying position, means on said other end of said handle for supporting the hose and wand in an elevated position above said body when said handle is moved to its said upright position, and resilient means for holding said handle in said upright position.

2,570,247

SWIVEL JOINT

Warren A. Humphrey, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 15, 1946, Serial No. 690,702

4 Claims. (Cl. 285—97.5)



1. A coupling, comprising a rigid tubular member having spaced annular flanges which define therebetween an annular recess, a plurality of arcuate members each having an arcuate surface and spaced arcuate flanges to define an arcuate recess therebetween, said arcuate members nested on the exterior surface of said annular recess with said arcuate surfaces and arcuate flanges rotatably engaged respectively with said annular recess and annular flanges, and a resilient tubular member having an annular portion contoured complementary to and expanded into said arcuate recesses for retaining said arcuate members in said rotatable connection with said annular recess and annular flanges.

2,570,248

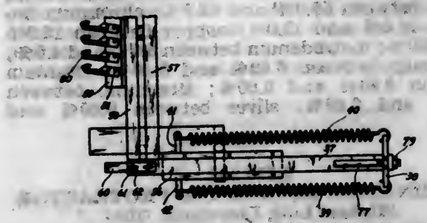
DEVICE FOR MAKING PILE FABRICS

Benjamin Kahn, Gadsden, Ala.

Application September 3, 1949, Serial No. 114,005

4 Claims. (Cl. 139—38)

1. In a loom, in combination, a reciprocating support, a set of hooks on said support, said hooks including hook bodies each having a laterally extending bill portion on one end adapted to engage threads respectively aligned therewith, weaving mechanism for making a fabric, means including said hooks and said weaving mechanism for forming portions of certain of said threads into loops during each reciprocation of said support and for anchoring said loops to the fabric, and a cutting edge on each of said hooks sloped upwardly relative to said hook body in back of said bill portion thereof and lying in a vertical plane inclined laterally relative to the direction of reciprocation of said support so as to tension the loop as the latter moves along the cutting edge away from the bill portion and for cutting the tensioned loop during such movement, thus permitting the use of a cutting edge having a gradual upward slope relative to the hook body.



2,570,249

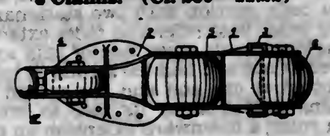
ROLLER SKATES

Eugen Kardhordo, Bratislava, Czechoslovakia, assignor of one-half to Sigma Pumps, National Corporation, Olomouc, Czechoslovakia

Application December 10, 1947, Serial No. 790,847

In Czechoslovakia January 10, 1947

3 Claims. (Cl. 280—11.22)



1. In a roller skate the improvement comprising in combination a supporting frame, at least two auxiliary rollers and an intermediate main roller in tandem formation, fixed axles for said rollers mounted in said frame, each of said rollers having a transverse convex running surface contacting the supporting surface while the rollers rotate in a plane essentially perpendicular to the supporting surface, the convex running surface of the main roller having a greater radius of curvature than the running surfaces of the auxiliary rollers.

2,570,250

POWER MOVING APPARATUS AND REMOTE CONTROL THEREFOR

Charles L. Kern, Capps, Ark., assignor of one-half to Alice L. Smith, Kansas City, Mo.

Application November 29, 1948, Serial No. 62,563

3 Claims. (Cl. 254—166)

1. In a vehicle having a plurality of cable reels thereon and a clutch adapted to connect and disconnect the motor with a gear shift transmission selectively connected to the reels for selectively driving same in forward and reverse directions, means for selectively engaging and disengaging the clutch, a lever for shifting the gears in the transmission from forward to reverse, a spring connected to the gear shift lever urging the lever to forward position, means including an electric motor connected to the gear shift lever, an electric circuit connected to the motor for energizing same and moving the gear shift lever to reverse position, a latch for retaining the gear shift lever in reverse position, a portable control box, a plurality of switches in the control box and connected in the electric circuits through a long multi-wire cable for controlling movement of the gear shift lever from a position remote to the vehicle, and means including an electric circuit operable from switches in the portable control box for releasing the latch whereby the spring will move the gear shift lever to forward position.



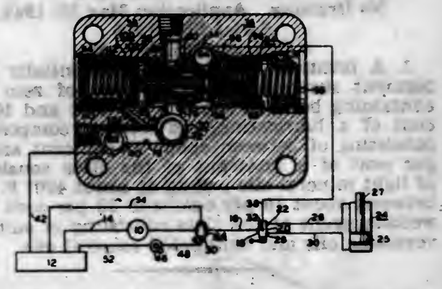
2,570,251

FLOW REGULATING VALVE

Ernst Kleasig, Berkley, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application June 18, 1945, Serial No. 600,006

8 Claims. (Cl. 60—52)



1. A flow regulating valve for controlling the flow of fluid in hydraulic power transmission systems comprising in combination means forming a flow passage, in series in the passage an adjustable throttle through which fluid is adapted to flow at a regulated rate and a pressure compensating valve, operating means for the compensating valve responsive to the pressure drop across the throttle for causing the compensating valve to assume various regulating positions to maintain the regulated flow rate through the throttle, means for effecting a closing of the passage when fluid flow to the passage is interrupted, and operating means for the closing means responsive to predetermined increases of pressure in the passage ahead of the compensating valve when fluid flow is resumed to the passage after interruption for effecting a gradual opening of the passage.

2,570,252

BREAST COVERING FOR BRASSIÈRES

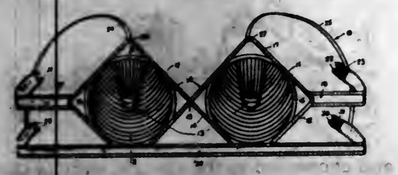
Else Kienle La Ree, New York, N. Y., and Julius Edgar Lilienfeld, St. Thomas, Virgin Islands; said Lilienfeld assignor to said La Ree

Application November 25, 1947, Serial No. 787,924

7 Claims. (Cl. 2—42)

1. A brassière comprising a pair of breast coverings having lower and side segments, means joining said breast coverings, lateral body em-

bracing members substantially along the horizontal medial line of said breast coverings, means for separably joining the ends of said body embracing members, a body supporting and embracing band attached to the bottom edge of said breast coverings, means for separably joining the ends of said body supporting band, shoulder straps attached at one end to the upper portion of said



breast coverings on the vertical medial line thereof and at opposite ends at the rear portion of said body supporting band, said breast coverings being of two way stretch material whose lines of minimum elasticity run circumferentially in the lower and side segments and fan-wise to the right and left of the perpendicular medial line of said breast coverings.

2,570,353

ZEIN INK COMPOSITIONS

Robert M. Leekley, Westport, Conn., assignor to Time, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 25, 1948, Serial No. 29,190

5 Claims. (Cl. 106—24)

1. A printing ink consisting essentially of a pigment suspended in a solution of zein and containing between about 2 per cent and 10 per cent of a lubricating and wetting composition consisting of between about 70 per cent and 90 per cent of a lubricant of the class consisting of light mineral oils boiling at about 400° F. and between about 10 per cent and 30 per cent of a wetting agent of the class consisting of sulfated vegetable oils and sulfonated mineral oils.

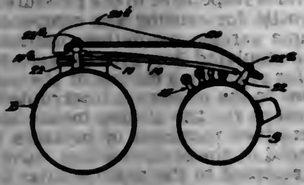
2,570,354

SAXOPHONE SHIELD

Hugh W. Leeper, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana

Application October 8, 1948, Serial No. 53,473

3 Claims. (Cl. 84—385)



1. A tone-improving protector for a saxophone or the like having an elongated body portion joined to a hook shaped bell portion with a plurality of stoppers, said protector comprising a unitary hood of thin imperforate material overlaying the lower end of the body portion and the major part of said bell portion and having domes to receive said stoppers, said protector being mounted in spaced relation with said bell and body portions and having a marginal skirt portion extending toward said bell and body portions, said hood further defining a substantial tone reflecting surface.

2,570,355

METAL ALLOY

Sidney Low, Springfield, Mass.

No Drawing. Application April 9, 1949, Serial No. 86,589

1 Claim. (Cl. 75—171)

A corrosion resistant casting alloy for dentures consisting of elements having proportions as follows: carbon no more than 0.05%; manganese no more than 0.60%; silicon no more than 0.60%; nickel between 55.0% and 62.0%; chromium between 14.0% and 17.0%; copper between 13.0% and 20.0%; molybdenum between 3.0% and 4.0%; aluminum between 0.02% and 0.10%; titanium between 0.40% and 0.60%; zirconium between 0.40% and 0.60%; silver between 0.60% and 0.80%.

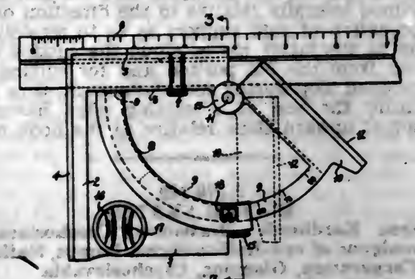
2,570,356

COMBINATION SQUARE AND PROTRACTOR

Michael Luis, Cleveland, Ohio

Application April 5, 1949, Serial No. 85,649

1 Claim. (Cl. 33—93)



In combination in a measuring device, a square having a body portion with two stationary arms including outer base reference faces extending at right angles to each other, one of said arms being slotted at one end and the second of said arms being slotted at one end and the second of said arms being slotted along its face to removably receive a ruler, a downward extension on the outer end of said second stationary arm having a pivot means located inside and below both said second arm and said ruler, pivoted to the said pivot means on outer end of said second stationary arm with the slotted face so as to adapt said pivoted arm to be swingably adjustable from a position where its outer base reference face is a longitudinal extension of the base reference face of said stationary arm to which it is connected throughout a ninety degree arc inwardly towards the other stationary arm, a graduated arc integral with the pivoted arm on the opposite side from its base reference face, an arcuate channel portion carried on the body portion of the square to receive therein the depending arc of the pivoted arm and means for releasably locking said pivoted arm in any set position.

2,570,357

PERISCOPE FOR MOTOR VEHICLES

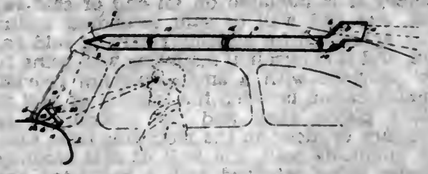
Tolly C. Martin, Monterey, Calif.

Application March 3, 1950, Serial No. 148,393

1 Claim. (Cl. 88—76)

A periscope for motor vehicles comprising an elongated tube adapted to be mounted against the under side of a vehicle roof, said tube having an offset rear end opening through the roof of said vehicle, the front end of said tube being cut away obliquely and having an overhang slightly

inclined downwardly toward the front end of the vehicle, said overhang defining a slightly inclined front opening for the tube; a series of mirrors and lenses mounted in said tube positioned to receive an image through the offset rear end of the tube and cast said image downwardly through the front end of said tube to a location on the instrument panel of said vehicle; a viewer housing mounted on said instrument panel and having an elevated outer wall and a low inner wall, said outer wall being curved backwardly from the front end of the vehicle; and a mirror pivotally mounted within the viewer housing for adjustment to selected positions relative to the front



end of said tube and the eyes of the viewer, said mirror being hinged to the housing adjacent the inner wall of the housing, the hinge connection of the mirror being at one end of the mirror and the other end of the mirror being swingable in an arc corresponding to the curvature of said outer wall, said mirror being adjustably connected to said housing by means including a sleeve clamped to the mirror intermediate opposite ends of the mirror, a stud pivotally mounted upon the housing and threadably engaged in said sleeve, and means on said stud accessible to a vehicle operator for rotating the stud, whereby to impart swingable movement to said mirror on its hinge connection.

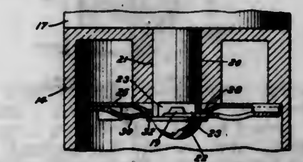
2,570,358

FOOD MIXER INDEXING MECHANISM

Fred A. Masheris, Chicago, Ill., assignor to Dormeyer Corporation, Chicago, Ill., a corporation of Illinois

Application April 22, 1948, Serial No. 28,846

12 Claims. (Cl. 259—1)



1. In a mixer the combination including a base supporting a bowl, a movable element supported on said base at a point remote from said bowl, a rotary beater carried by said element and depending into said bowl, a plate attached to said base, a member attached to said element adjacent to said plate, a pair of stops on said plate for limiting rotation of said member and said element, a projection on said plate, and a double inclined projection on said member, said projections cooperating to urge said member against one or the other of said stops.

2,570,359

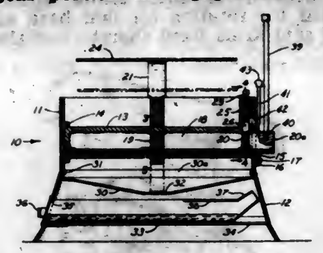
ADJUSTABLE OIL JUG STAND

Flore Massucci, Waterbury, Conn.

Application September 8, 1947, Serial No. 772,613

4 Claims. (Cl. 254—95)

1. In an oil jug stand, a base, a hollow body thereon, a horizontal tubular bearing secured in and extending centrally across said body, said bearing including a vertical guide at a central point thereon, a rack slidable in said guide, a shaft rotatable in said bearing and including a central gear portion in engagement with said



rack, a platform secured to said rack, means for rotating said shaft whereby the vertical position of said platform may be adjusted, and retaining mechanism for holding said platform in adjusted position.

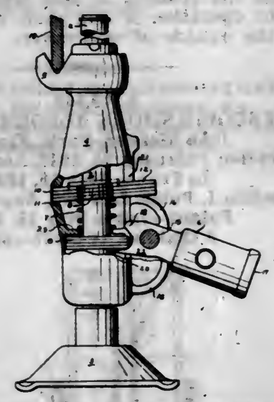
2,570,360

AUTOMOBILE JACK

Russell H McCarroll, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application April 25, 1946, Serial No. 664,817

3 Claims. (Cl. 254—106)



3. In combination, a friction-type vehicle lifting jack, a housing, a central supporting shaft having a steel core extending through said housing, said steel core having secured thereto a relatively hard exterior layer of non-corrosive metal, a lifting mechanism, and a locking mechanism successively and selectively frictionally engaging said exterior layer, said exterior layer being a copper base alloy having a Brinell hardness in excess of 200.

2,570,361

CORPSE VIEWING COVER

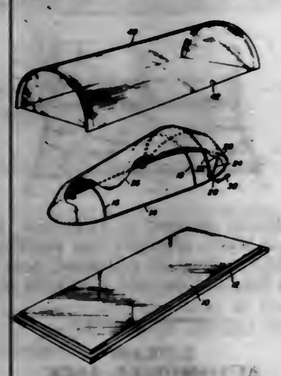
Manuel Rubio Mejia, Yauco, P. R.

Application October 3, 1947, Serial No. 777,621

3 Claims. (Cl. 27—1)

1. In a mortuary apparatus, a slab and a transparent cover disposed on said slab, said transparent cover having an opening in one side thereof, a closure arranged to form a downwardly opening cavity and disposed on said slab and interposed between said cover and said slab, said closure including a frame having a base and a plurality of arcuate struts operatively con-

nected therewith, two of said struts being movable with respect to each other and having crank ends, means supporting said movable struts on said base for pivotal movement and including arms pivoted to said crank ends, a shaft mounted for rotation on said base and having one of said arms fixed thereto and the other of



said arms rotatively disposed thereon, a spring reacting on the ends of said movable struts and urging said movable struts together in the closed position and opposing the operation of said arms and said shaft, and said shaft being passed through the opening in said transparent cover whereby operation of said shaft may be effected from the outside of said cover.

2,570,362

TELESCOPIC SHOCK ABSORBING STRUT

Jean Mercier, Paris, France

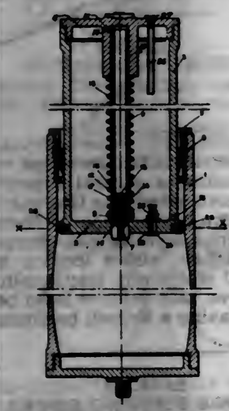
Application February 24, 1948, Serial No. 10,504

In France May 18, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires May 18, 1966

5 Claims. (Cl. 267—64)



1. In a telescoping fluid shock absorber, a principal cylinder, closed at one end, a hollow principal piston slidably mounted in said cylinder and having closing end walls, said cylinder and said piston being adapted to contain fluid, the inner end wall of said piston nearest the closed end of said cylinder being apertured to provide a small communicating passage therethrough, one-way valve means mounted for closing said passage and comprising resilient means normally urging said valve means into closed position, a hollow valve stem within said hollow piston for displaceably mounting said valve means, said valve stem being provided with a small aperture defining a restricted communication channel between the interior of said valve stem and the exposed face of said valve means engageable to close said aperture in said end wall of said principal piston, a secondary cylinder closed at both ends, mounted within the interior of said hollow piston at its end opposite said valve means, a secondary piston shell open at one end and closed at the other end and being slidably mounted within said secondary cylinder and having a closing terminal mounting wall whereby it is mounted on an end of said valve stem, one end wall of said secondary cylinder being apertured for slidably receiving said valve stem, and said terminal mounting wall being further provided with a small aperture providing communication between the interior of said secondary piston shell and the interior of said secondary cylinder on the mounting stem side of said mounting wall, the wall of said secondary cylinder being provided with a restricted aperture providing communication between the portion of the interior of said secondary cylinder nearest the end of said valve stem carrying said valve means, and the interior of said principal piston.

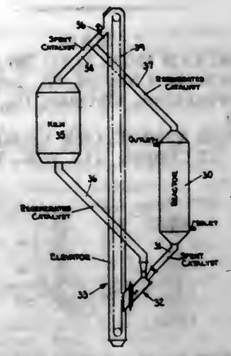
2,570,363

BUCKET ELEVATOR FOR HYDROCARBON CONVERSION SYSTEMS

Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application October 3, 1946, Serial No. 700,928

3 Claims. (Cl. 23—288)



1. In an apparatus for conversion of fluid hydrocarbons in the presence of a moving contact material the apparatus which comprises in combination: means defining a conversion chamber adapted to confine a contact material, means to admit a reactant thereinto, means defining a separate contact material regeneration chamber, a substantially vertical elevator casing having a head portion and a foot portion, an endless series of articulated buckets in said casing, means to support said buckets and to move them in a closed path forming a loop in both the head and the foot portions of said elevator casing, in which path downwardly moving buckets are inverted, said buckets when moving upwardly opening upwardly and toward the outside of their path, partitioning in said buckets to provide in each bucket at least three side by side compartments for carrying contact material, a contact material feed chute connecting into the lower section of said elevator casing on that side nearest adjacent the upwardly moving, outwardly opening buckets, partitioning within said feed chute adapted to divide it into as many separate feed lines as there are compartments in each bucket, said partitioning being flared at the discharge end of said chute in such a manner as to divert the contact material discharged from each lane away from contact material discharged from any adjacent lane and into the bucket compartment corresponding to that lane, a discharge chute connected into said elevator casing near its upper end on the opposite side from said feed chute, partitioning in said discharge chute dividing it into as many discharge lanes as there are compartments in each bucket, said partitioning in said buckets being flared near the bucket opening in such a manner as to divert contact material being discharged from each compartment in each bucket away from that discharged from any other compartment and into the discharge lane corresponding to that compartment, passage defining means for flow of used contact material from the bottom of said conversion chamber into certain of said feed lanes in said feed chute, passage defining means for flow of regenerated contact material from the bottom of said regeneration chamber to the remainder of said feed lanes in said feed chute, means to withdraw used contact material from certain of said lanes in said discharge chute and means to pass said used contact material to said regeneration chamber, means to withdraw regenerated contact material from the remainder of said lanes in said discharge chute and means to pass said regenerated contact material to said conversion chamber.

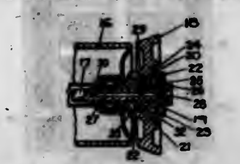
2,570,364

SELF-ALIGNING BELT IDLER

Stanley M. Mercier, Bexley, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application November 1, 1948, Serial No. 57,666

4 Claims. (Cl. 198—202)



1. Idler roll training mechanism including in combination a shaft adapted to be carried stationarily upon a pivotally carried frame, an idler roll and a friction roll carried side by side upon said shaft, bearing means supporting said idler roll upon said shaft for free rotation, a bushing on said shaft carrying said friction roll for rotation, said bushing and friction roll cooperating to form a chamber between them adapted to contain lubricant and having spaced end walls, spring means in said chamber extending between said opposed walls urging said friction roll axially along said shaft and away from said idler roll, a nut on said shaft, and a friction disc interposed between said nut and said friction roll against which said spring means urges said friction roll.

2,570,365

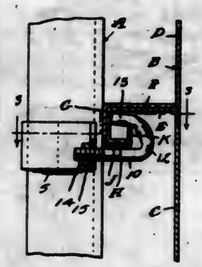
CLAMP FOR SECTIONAL SIGNS

Pierre L. Michael and Kenneth L. Robison, Houston, Tex.

Application November 5, 1947, Serial No. 784,250

1 Claim. (Cl. 40—125)

In combination with a sign structure including sections having interlocking flange parts, one of said flange parts having an integrally formed U-shaped portion at its outer end, the other of said flanged parts having a like but smaller U-shaped portion receivable in said first-mentioned U-shaped portion and having a relatively short integrally formed wall section extending inwardly and perpendicularly from its free end, a clamp including a frame embracing bracket element and a hook structure, said hook structure



being engageable with the interlocking portions of the sign sections and having a shank disposed through the bracket and tightening means between the bracket and the shank, said hook having a diverged extension for engaging within the smaller U-shaped portion and bearing against the free end of said wall whereby to wedge the interlocking parts of the sign sections together when the tightening means is operated to draw the hook and bracket together.

2,570,366

MULTIPLE INLET DRINKING STRAW

Lexie E. Mitchell, Owensboro, Ky.

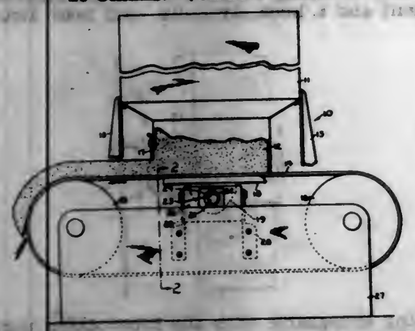
Application December 1, 1949, Serial No. 130,443

3 Claims. (Cl. 299—17)



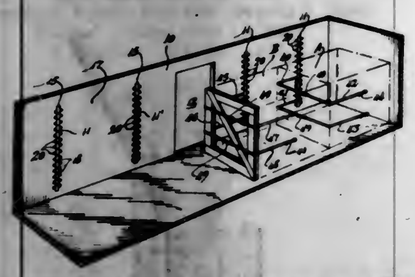
1. In a drinking straw, the combination which comprises an elongated tubular casing having spaced restricted areas providing venturis therein with inwardly and upwardly sloping openings through the wall thereof and positioned to enter the interior of the casing at points corresponding with the throats of the venturis, said tubular casing having parallel rails providing guides on the outer surface straddling the said openings through the wall thereof and having stops at the ends of the guides, and hollow floating closures slidably mounted in the rails and positioned to drop downwardly to close the openings through the wall of the casing.

2,570,267
METHOD OF AND APPARATUS FOR CONTINUOUS FLOW DENSIFIERS
Raymond F. Mitten, Cleveland, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application March 25, 1948, Serial No. 17,083
10 Claims. (Cl. 259—146)



1. That method of making the volume of an aggregate, that expands as its moisture content increases, uniform regardless of the moisture content of same comprising the steps of vibrating a mass of the aggregate to condense same to a uniform volume regardless of the moisture content of same, and continuously withdrawing a constant volume of aggregate.

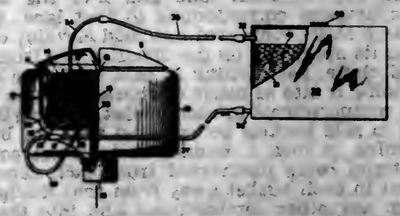
2,570,268
MULTIPLE LOAD-BINDER ANCHOR
John M. Moon, Evanston, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application November 26, 1948, Serial No. 62,081
8 Claims. (Cl. 105—369)



1. A cargo strap-binder anchorage for railway cars provided with interior sheeting, comprising an elongated metal bar rigidly attached substantially vertically to the car wall and embedded in the car sheeting with its front face exposed, the sheeting at spaced intervals along the bar being provided with recesses extending on both sides of and behind the bar whereby binder strap ends may be looped about the bar to effect anchorage of strap to bar, and a sheet metal shield lining the bottom of each sheeting recess.

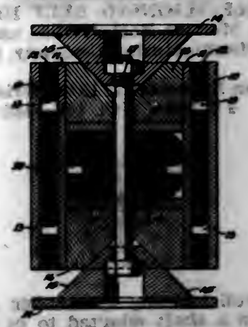
2,570,269
HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES
Walton D. Murray, Marinette, Wis.
Application August 1, 1949, Serial No. 107,943
1 Claim. (Cl. 261—119)

A humidifier for internal combustion engines comprising a sealed water supply tank, an air cleaner including a pan for maintaining a bath of water therein at a predetermined level, a tube connecting the bottom of said water tank to said pan for supplying water thereto, said air cleaner having an inlet for passing air over said water bath to humidify the air, an air tube connected to said tank adjacent the top thereof, the end of said air tube extending into the cleaner and



normally sealed by the water in said pan and adapted to permit air to enter therein when the water level in said pan drops below the end of said air tube whereby water will flow from said tank until the end of said air tube is sealed, and an air filter positioned above said water pan whereby the air to be humidified passes over the water bath and through the filter and thence to the carburetor.

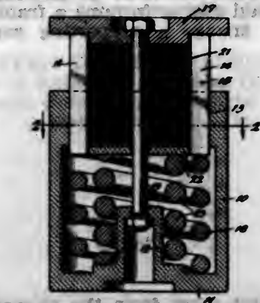
2,570,270
SPRING DEVICE
Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application February 23, 1946, Serial No. 649,646
7 Claims. (Cl. 267—9)



1. A spring device comprising a tubular housing, a generally conical load engaging member movable axially into the housing, a plurality of annularly arranged segments slidable axially in the housing around the conical member to be cammed radially outward by the conical member, means including resilient material in the housing engaging the segments operative yieldingly to resist axial movement of said segments, and resilient material between the segments and the housing to resist outward movement of the segments.

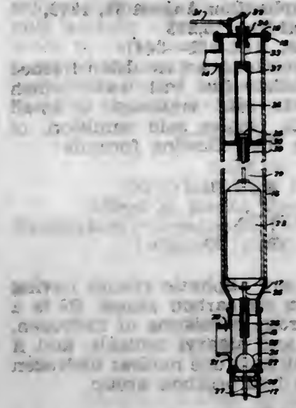
2,570,271
SNUBBER
Arthur F. O'Connor, Chicago, Ill., assignor to Union Asbestos & Rubber Company, a corporation of Illinois
Application February 23, 1946, Serial No. 649,647
3 Claims. (Cl. 267—9)

1. A snubber comprising a tubular casing open at one end, an expansible sleeve slidable in the open end of the casing, a spring in the casing acting directly between the casing and the sleeve to urge the sleeve out of the casing, a second spring in the casing, and means in the sleeve engaging the second spring to expand the sleeve into frictional engagement with the casing in response



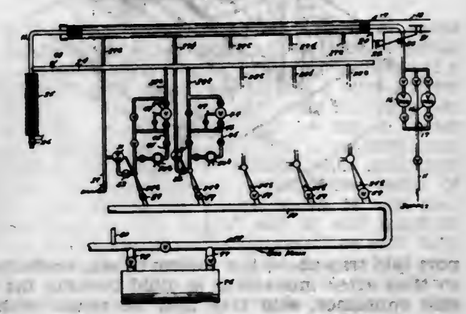
to the force of the second spring and independently of the force of the first spring and a pressure plate engaging the outer end of the sleeve and the expanding means to press the sleeve into the casing against the first spring and to press the expanding means against the second spring.

2,570,272
AUTOMATIC SHUTOFF VALVE
Tom E. Parrish, Beaumont, Tex.
Application December 7, 1946, Serial No. 714,819
3 Claims. (Cl. 137—68)



1. An automatic shutoff device for liquid conducting lines comprising a vertically disposed tubular casing having a side inlet near the bottom thereof, a bottom discharge opening below the side inlet and a float chamber positioned substantially in its entirety above the side inlet, a circular valve seat in the discharge opening, a float bodily receivable in the float chamber, a valve adapted to close the opening surrounded by the valve seat, a valve stem connecting the valve to the bottom of the float, a vent line extending upwardly from a point near the top of the casing, a guide rod extending downwardly from the valve thru the opening surrounded by the valve seat, a guide positioned below the valve seat adapted to engage the guide rod, a second guide rod extending upwardly from the float, a lever mounted on the top of the casing, a rod extending thru the top of the casing and connected thru linkage to one end of the lever, a sleeve-like member having one end secured to the lower end of the last mentioned rod and the other end surrounding the second guide rod, the sleeve-like member being adapted when actuated by the lever to engage the upper end of the second guide rod and lift it, and a guide secured to the lower end of the sleeve-like member adapted to engage the second guide rod as well as the walls of the casing.

2,570,273
GAS AND AIR MIXING APPARATUS
Paul E. Peacock, Jr., Westfield, N. J.
Application June 23, 1949, Serial No. 100,946
4 Claims. (Cl. 48—180)

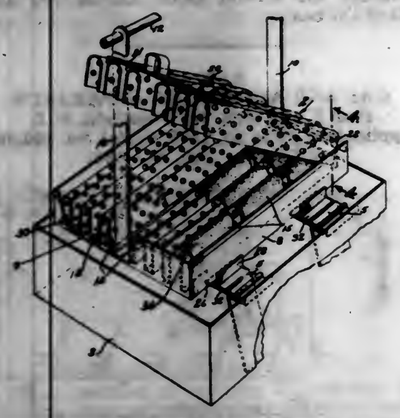


1. Apparatus for mixing liquefied petroleum gas vapor and air comprising, in combination, a plurality of Venturi-mixers of different capacities connected to a main to deliver mixed vapor and air thereto; a source of liquefied petroleum gas under pressure including conduits connected to the mixers and pressure reducing regulators to maintain the vapor at a substantially constant pressure; air conduits connected to the suction chambers of said Venturi-mixers, each including an automatic valve operative in response to the suction created in the respective Venturi-mixers by the delivered vapor; a valve in each of the vapor conduits adapted to be opened to admit vapor to the mixers; solenoids connected to open the respective vapor valves; pressure responsive means connected to the mixed gas main, including a plurality of double-throw mercury tube switches and bellows diaphragms connected thereto adjusted to effect operation thereof responsive to different pre-determined pressure drops in the mixed gas main; a source of low voltage current connected to said solenoids through said switches; and conductors connecting alternate ends of the successive switches, so that when any switch is tilted to its circuit closing position, it will break the circuit through the preceding switch and only one of the valves will be operated at a time as long as the capacity of the corresponding mixer is sufficient to supply the demand.

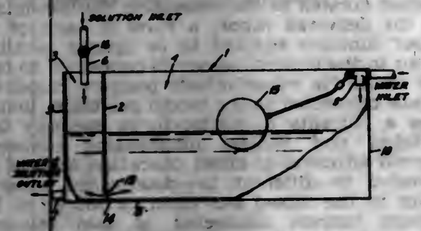
2,570,274
MACHINE FOR FRYING TORTILLAS
Joseph P. Pompa, Glendale, Ariz.
Application January 5, 1949, Serial No. 69,281
5 Claims. (Cl. 99—416)

1. A machine for frying tortillas to form edible shells including a frying former having a plurality of inverted U shaped under formers over which limp baked tortillas may be draped to provide a diametrical fold disposed in parallel relation, U shaped immersion formers hinged to and adapted to cover said under formers, a tray supporting said under formers and a handle on said tray extending above said immersion formers,

in combination with a hot fat container adapted to receive said formers and tray, having fixed shelves along the rear edge and upwardly hinging shelves along the front edge adapted to support said tray above the bottom of said container, so that after immersion in fluid cooking fat in said container, said tray may be raised within said container without tilting, and rested in draining position on said shelves.



2,570,375
MIXING REGULATOR
Clarence L. Pritchard, Oakland, Calif., assignor to Mathieu Manufacturing Co., Oakland, Calif., a corporation of California
Application November 18, 1948, Serial No. 60,715
4 Claims. (Cl. 137—68)



1. In a mixing regulator, a tank having an end wall and a baffle near said end wall to divide the tank into two compartments, one adjacent the end wall and the other on the distant side of the baffle, the bottom of the baffle being slightly spaced from the floor to provide a narrow passage between the compartments, means for feeding water into the second compartment including means for maintaining the water at a constant level, an outlet in the end wall near the bottom thereof adapted to draw on both compartments, means for feeding a concentrated cleaning solution into the first compartment, and a metering valve for controlling the latter means.

2,570,376
ELECTRICAL HEATING MEANS FOR SILOS
Harvey L. Quist, St. Croix Falls, Wis.
Application March 2, 1950, Serial No. 147,223
2 Claims. (Cl. 214—46)

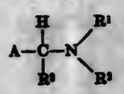
1. A heating pad comprising a first elongated sheet of flexible heat insulating material, a second elongated sheet of flexible waterproof material overlying one face of said first sheet, the marginal edge portions of said second sheet being folded over upon said first sheet, a flexible edging secured to the folded marginal edge portion of said second sheet inwardly of the edge of said first sheet, said edging forming a frame adapted to sealingly engage a supporting surface and



space said first sheet from the supporting surface, a heating element disposed within the frame formed by said flexible edging, fasteners securing said heating element to said first sheet, and ties secured to the ends of said heating pad outwardly of said flexible edging for attaching said heating pad to a supporting surface.

2,570,377
FUEL COMPOSITIONS
Anthony J. Revukas, Cranford, N. J., assignor to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware
No Drawing. Application August 30, 1949, Serial No. 113,253
15 Claims. (Cl. 252—344)

8. A method for resolving an emulsion formed by a petroleum distillate fuel with water which comprises adding to said emulsion a small amount, sufficient to resolve said emulsion, of a compound having the following formula:



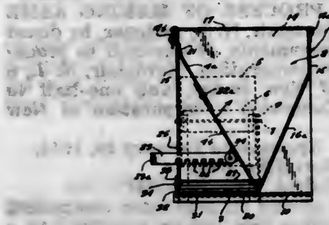
wherein R^1 and R^2 are aliphatic groups having a sum of more than six carbon atoms, R^3 is a member from the group consisting of hydrogen, alkyl, aryl, aralkyl and alkaryl radicals, and A is a phenol having at least one nuclear hydrogen atom replaced by a hydrocarbon group.

2,570,378
ORNAMENT FOR SLIDE FASTENERS
Alan G. Rinehart, New York, N. Y.
Application October 30, 1948, Serial No. 57,530
2 Claims. (Cl. 41—34)



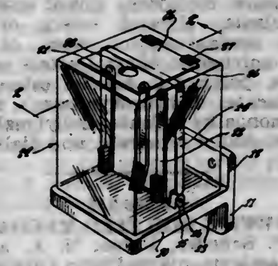
1. A device adapted to be mounted on a slide fastener having opposed stringers, and a slide, comprising a shield of larger dimensions than the slide which is arranged to overlie the slide, a pull-tab provided with a central portion which is connected with the slide, angular flanges carried along opposed sides thereof and having aligned slots therein, the shield being provided on its rear face with spaced flanges also having aligned slots therein, and a pin arranged to pass through the several aligned slots to mount the shield on the tab.

2,570,379
STRIP COATING MACHINE
Heber O. Robinson, Salt Lake City, Utah
Application October 8, 1948, Serial No. 53,477
8 Claims. (Cl. 91—12)



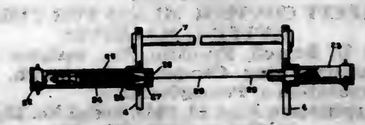
1. A machine for applying a coating substance to strip material, comprising a frame including a base, spaced front and back walls extending vertically from the base, spaced side walls extending between the front and back walls to form therewith a container for the coating substance, one of said side walls being movable relative to the other, said movable wall having a lower edge abutting said fixed wall in one position to close said container at its bottom and being displaceable laterally to open said container to a desired width at its bottom, and a passageway for movement of the strip material extending over said base beneath and transverse to the path of said movable wall and longitudinally of its lower edge.

2,570,380
TOOTHBRUSH HOLDER
Alfred M. Rosier, Lynbrook, N. Y.
Application November 29, 1947, Serial No. 788,873
1 Claim. (Cl. 312—206)



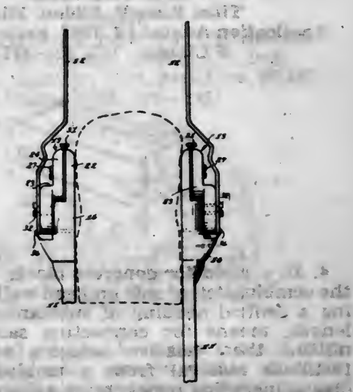
A sanitary support and enclosure for toothbrushes and the like comprising a bracket adapted to be secured to a wall, a rack extending upwardly from the bracket, means for pivotally connecting the rack to the bracket for fore and aft adjustment, an enclosure adapted to fit about the rack and be rested on the bracket, an opening in the top of the enclosure through which access can be had to toothbrushes and the like within the casing or enclosure, and biasing means adapted to permit the fore and aft adjustment of the rack to render the articles in front and in rear thereof more readily available and serving to return and retain the rack in a vertical position.

2,570,381
STOP MOTION FOR TEXTILE MACHINES
Robert H. Roughsedge, Ramsey, N. J., and Hans G. Lustig, Long Island City, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware
Application December 13, 1947, Serial No. 791,538
1 Claim. (Cl. 66—163)



In a textile machine wherein a warp of yarns is fed to operating elements, means for stopping the operation of said machine upon breakage of a warp yarn, said means comprising a light source, including a concentrated arc lamp having a pin point light source, lenses and an iris, a power supply circuit for the same and a vacuum snap switch in said circuit in parallel with said light source, for projecting a concentrated beam of light rays across the entire width of said machine fixed at one lateral end of said machine and a photo-electric tube for receiving said light rays fixed at the other lateral end of said machine, operative means controlled by said photo-electric tube adapted to operate a relay to stop the machine upon the passing of a broken yarn end through said beam of light rays, an electric circuit connecting said photo-electric tube and said relay and means including a potential dividing resistance and a condenser in said circuit adapted to provide feedback and to cause the current to pass through said relay for a time interval sufficient to effect the operation of said relay.

2,570,382
LEG BRACE KNEE JOINT
William Ruetting, Detroit, Mich.
Application September 2, 1949, Serial No. 113,824
3 Claims. (Cl. 128—80)



1. A flexible leg brace knee joint comprising a pair of upper bar members arranged to be secured on opposite sides of the wearer's leg above the knee, a pair of substantially vertical lower bar members arranged to be secured on opposite sides of the wearer's leg below the knee, vertically extending pivot means on the upper ends of the lower bar members, respective bracket members rotatably secured on said pivot means for rotation around the respective vertical axes of the lower bar members, and respective link bars connecting the top ends of the respective bracket

members to the lower ends of the respective upper bar members, whereby rotation of the lower leg portion around its rotational axis relative to the upper leg portion may take place with the leg in knee-bending position.

2,570,383

SAFETY CONTROL MEANS FOR TIMBER SETTING MACHINES

John D. Russell, Franklin, Pa., assignor to Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 18, 1948, Serial No. 33,890
10 Claims. (Cl. 121—38)



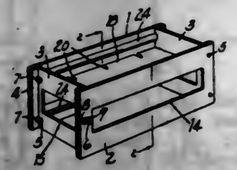
1. In combination, an adjustable load support, means for elevating said support including a fluid cylinder, a source of fluid under pressure, means providing a passage communicating with said cylinder for supplying fluid to the latter to effect elevation of said support, a manually operable valve for controlling fluid flow through said passage, a normally closed, fluid actuated valve for controlling fluid flow through said passage, means providing a passage for supplying fluid under pressure from said source to said fluid actuated valve for moving the latter into its open position, and a manually operable valve for controlling fluid flow through said last mentioned passage.

2,570,384

MOLD FOR CONCRETE BLOCKS AND THE LIKE

Titus Russell, Albion, Mich.

Application August 16, 1948, Serial No. 44,452
5 Claims. (Cl. 25—121)



4. In a mold for concrete blocks and the like, the combination of side and end walls, each defining a central opening of substantial width and length, means for connecting said walls permitting their relative swinging adjustment to facilitate removal from a molded block, said means including members on adjacent walls disposed in overlapping relation, horizontal bolts extending through and connecting said overlapping members and springs on said bolts permitting relatively swinging movement of said adjacent walls, the walls having top section bottom supporting elements above the said openings, and a removable top section bottom adapted to be supported on said bottom supporting elements and having openings therein through which tie members may be inserted into a molded bottom section within the mold upon the said top section bottom, the said walls being swingable in a plane parallel to the plane of the bottom and to the plane of the supporting surfaces of said supporting elements whereby said supporting elements are released from supporting engagement with said bottom when the walls are swung open to release the same from a molded block.

2,570,385

ADDITION PRODUCTS OF ESTERS COMPRISING A POLYHYDRIC ALCOHOL ESTERIFIED WITH DRYING OIL ACIDS AND AN ALKENOL-DICARBOXYLIC ACID MONOESTER AND PROCESS OF MAKING SAME

John B. Rust, Montclair, N. J., assignor, by direct and mesne assignments, of one-half to Montclair Research Corporation, Montclair, N. J., a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application January 28, 1946, Serial No. 643,964
16 Claims. (Cl. 260—23)

1. A modified drying oil acid ester comprising the addition product obtained by reacting (A) a monomeric, non-polymerized mixed ester consisting of the esterified product of a mixture of (*a*) a drying oil acids—polyhydric alcohol ester containing free hydroxyl groups in which the alcohol is selected from the class consisting of pentaerythritol, polypentaerythritol, glycerol, diethylene glycol, dihydroxyethoxybenzene, sorbitol, and mannitol, and (*b*) a dicarboxylic acid monoester of an unsaturated monohydric alcohol containing 3 to 4 carbon atoms in which the acid is selected from the class consisting of maleic, itaconic, citraconic, phthalic, fumaric, succinic, sebasic, and adipic acids, and the alcohol is selected from the class consisting of allyl, methallyl, crotyl alcohols, and methyl vinyl carbinol; with (B) an unsaturated polymerizable compound containing an ethylenic group selected from the class consisting of isopropenyl methyl ketone, vinyl acetate, acrylic acid esters of saturated monohydric alcohols, methacrylic acid esters of unsaturated monohydric alcohols, methacrylic acid esters of saturated monohydric alcohols, styrene, ethylene glycol ester of monoallyl maleate, diethylene glycol ester of monoallyl maleate, glycerol esters of monoallyl maleate, pentaerythritol ester of monoallyl maleate, polyhydric alcohol esters of monoallyl phthalate, polyhydric alcohol esters of monoallyl sebacate, di(hydroxyethoxy) benzene diester of monoallyl maleate, diallyl maleate, diallyl phthalate, diallyl fumarate, and diallyl sebacate.

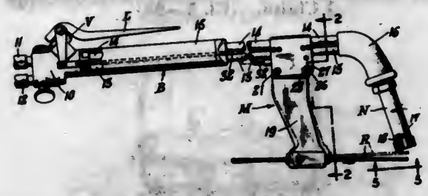
2,570,386

BLOWPIPE ROD FEED MECHANISM

Arthur P. Scheller, Union, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application May 8, 1947, Serial No. 746,778
8 Claims. (Cl. 158—27.4)

4. A blowpipe for cutting or scarfing metal comprising, in combination, a nozzle having an oxygen outlet and a series of preheat gas outlets spaced around said oxygen outlet; a device for controlling the discharge of oxygen through said oxygen outlet; and an attachment connected to said device for positioning the end of a rod in the region adjacent said outlets, said attachment comprising a rod gripper adapted to move to and fro and an operating lever for actuating said gripper; a pivot pin connected to said lever intermediate its ends, said lever being adapted to pivot about said pin to cause said gripper to advance the rod when said device is actuated; and means having an adjustable lever-contacting



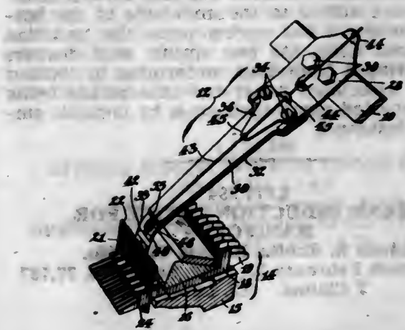
surface constituting a fulcrum for said lever only during the feeding operation, said lever returning said gripper to its initial position when said lever disengages from said fulcrum surface.

2,570,387

RECIPROCATING YARN CARRIER

Richard Ernst Schletter, Oak Lane, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application October 7, 1947, Serial No. 778,515
10 Claims. (Cl. 66—126)



1. A reciprocatory yarn carrier having an arm lengthwise of which the yarn passes, a guide tube carried at one end of said arm through which yarn is delivered to a knitting means, said arm having a groove in its upper surface extending from the intake end of said tube, and a member lying generally parallel to said arm above said groove and along which the yarn passes, said member having at its lower end a portion providing a smooth, relatively flat, transverse discharge surface for the yarn, whereby yarn passing along said member is guided from its said lower end directly into said tube.

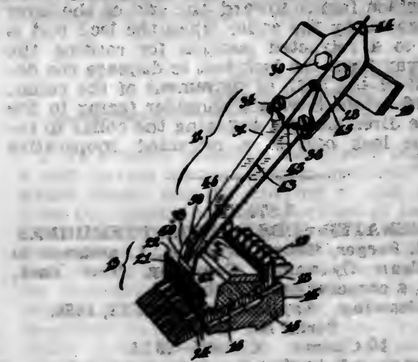
2,570,388

YARN GUIDE FOR FULL-FASHIONED KNITTING MACHINES

Emil William Kaul, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application May 14, 1949, Serial No. 93,233
7 Claims. (Cl. 66—126)

1. The combination of a carrier for feeding yarn to the loop forming elements of a weft knitting machine and having a recess at one end for receiving a yarn delivery tube and having also a groove in the face thereof along which the yarn passes to said tube and through the lower end of which the yarn may enter the tube, and a wire bridge extending transversely across said groove, the carrier having holes on opposite sides of the groove into which the ends of the bridge



enter and said ends biased toward each other to engage the walls of said holes.

2,570,389

ACETONE RESIN

Conrad F. Schrimpe, Woodbridge, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application July 18, 1947, Serial No. 761,991
6 Claims. (Cl. 260—64)

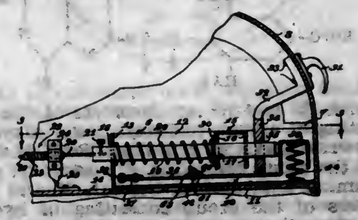
1. Process of preparing a resinous product which comprises condensing at a pH between 10 and 11.5 acetone with formaldehyde in reacting proportions of from about one to two moles of formaldehyde for each mole of acetone in the presence of a soluble catalyst selected from the group consisting of secondary dialkyl amines, pyrroline, pyrrolidine, piperidine and piperazine, said catalyst being present in amount imparting an initial pH of about 9 to the reaction mixture of acetone and formaldehyde.

2,570,390

TRUNK LID LOCK FOR AUTOMOBILES

La Verne M. Schuldt, Stickney, S. Dak.

Application April 29, 1949, Serial No. 90,417
1 Claim. (Cl. 292—335)

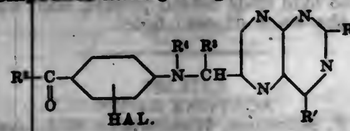


A closure lock adapted to engage a keeper comprising a lock housing secured within an enclosure, a lock bolt reciprocally mounted in said housing for sliding movement between a retracted, inoperative position and a projected, locking position, manually actuated means connected to the lock bolt adapted to be operated from a position remote thereto for retracting the lock bolt, a collar fixed to the lock bolt, spring means disposed between the collar and a portion of the housing for biasing the lock bolt toward a locking position, a lever pivotally mounted at one end thereof in the housing and disposed beneath the lock bolt, a spring engaging under the lever for rocking the lever in a direction toward the lock

bolt, a detent secured to the lever and projecting therefrom toward the lock bolt having an inclined cam surface facing toward one end of the lever and engaged by the collar when the lock bolt is moved to a retracted position for rocking the lever away from the lock bolt to displace the detent out of the path of movement of the collar, and said detent having a shoulder facing in the opposite direction and engaging the collar to retain the lock bolt in a retracted, inoperative position.

2,570,391
HALOGENATED SUBSTITUTED PTERIDINES
Doris R. Seeger, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 23, 1950, Serial No. 151,539
10 Claims. (Cl. 260—251.5)

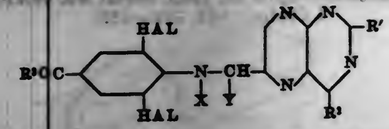
1. Compounds having the general formula:



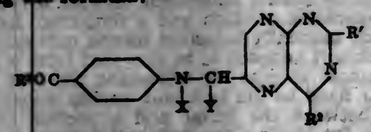
in which R and R′ are members of the group consisting of hydroxyl, amino, lower alkylamino and lower dialkylamino radicals, R^2 is a member of the group consisting of hydroxyl and amino acid radicals, R^3 and R^4 are members of the group consisting of hydrogen and lower alkyl radicals and HAL represents not more than two halogen radicals.

2,570,392
HALOGENATION OF SUBSTITUTED PTERIDINES
Doris Ruth Seeger, Bound Brook, and Donna Bernice Ceculich, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 23, 1950, Serial No. 151,540
8 Claims. (Cl. 260—251.5)

1. A method of preparing compounds having the general formula:

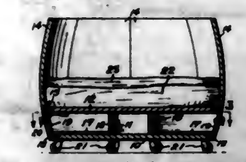


in which R′ and R^2 are members of the group consisting of amino, hydroxyl, lower alkylamino and lower dialkylamino radicals, R^2OC is a member of the group consisting of a carboxyl radical and amino acid amides thereof, X and Y are members of the group consisting of hydrogen and lower alkyl radicals and HAL is a halogen of the group consisting of chlorine, bromine and iodine, which comprises reacting a compound having the formula:



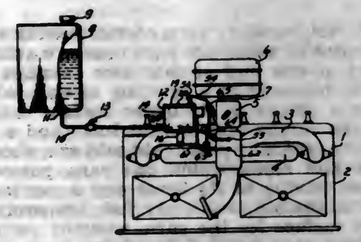
in which R′, R^2, R^2OC, X and Y are as defined above with a halogen of the group consisting of chlorine, bromine and iodine in a solvent, and recovering said product therefrom.

2,570,393
BABY BED
Ruth B. Shanks, Le Roy, N. Y.
Application February 9, 1949, Serial No. 75,353
1 Claim. (Cl. 5—93)



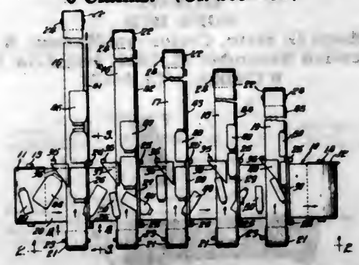
A device of the character described comprising a circular bottom member, a circular partition vertically spaced from said bottom member, and of slightly larger size than said bottom member, sides composed of vertically extending rounded panels each having a drawer opening therein and each affixed to said bottom member and to said partition, a vertically extending square abutment centrally mounted upon the bottom member and interconnecting the bottom member and said partition, a drawer slidably extending through each of the drawer openings and between said partition and said bottom member, casters affixed to the underside of the bottom member, a box spring upon the partition and a pad upon the box spring, said drawers each having a front wall conforming in contour with its associated panel and said panels being interconnected along their sides by metallic embedded fasteners.

2,570,394
STEAM INDUCTION DEVICE FOR MANIFOLDS
Edwin S. Shultz, Kansas City, Mo.
Application February 23, 1949, Serial No. 77,787
7 Claims. (Cl. 122—25)



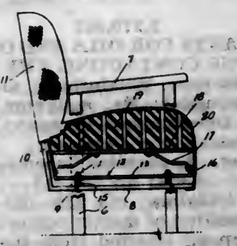
1. A water vaporizer for internal combustion engines comprising, a reservoir adapted to be filled with water, a heating chamber positioned below the reservoir and adapted to be heated by an engine, means of communication between the reservoir and the heating chamber, a float disposed within the chamber and acting to retain the water in the chamber at a constant level, an outlet duct connecting the chamber above the water level with the intake manifold of the engine, a valve controlling passage through the duct, a spring urging the valve toward a passage closing position, and differential pressure responsive means having communication with the intake of the engine for controlling operation of the valve and acting only when the engine is above a predetermined temperature to move said valve to open the passage.

2,570,395
ARTICLE SORTING APPARATUS
Norman A. Siegal, Chicago, Ill., assignor to Irvin Swartzberg, Chicago, Ill.
Application November 17, 1950, Serial No. 196,246
6 Claims. (Cl. 209—90)



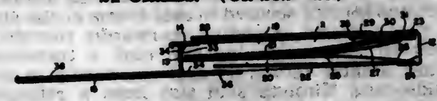
6. Apparatus for sorting articles of different sizes, comprising in combination: a first conveyor on one end of which articles to be sorted are deposited, a second conveyor of thin cross section crossing over said first conveyor in sliding contact therewith and having an upper surface which has a relatively low coefficient of friction for the exterior surfaces of said articles, a barrier, means positioning said barrier above said second conveyor so that any article which contacts said barrier is on said second conveyor, and means for moving said conveyors relative to each other at velocities which cause an article on said first conveyor to traverse said second conveyor unless retained by said barrier.

2,570,396
SPRING MOUNTING FOR CHAIR SEATS AND THE LIKE
Milton Simmons, Detroit, Mich.
Application October 15, 1946, Serial No. 703,445
2 Claims. (Cl. 155—179)



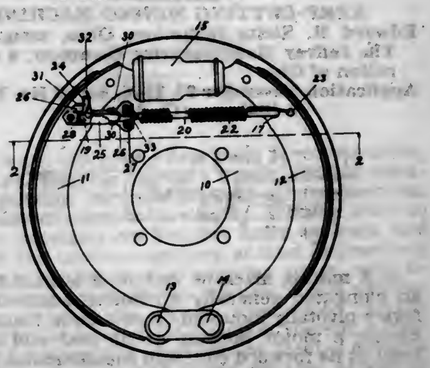
1. In a mounting means for a chair including a seat and a back, a first frame including a vertically extending section having the upper end thereof adapted for the support thereon of said chair back and a horizontally disposed section extending forwardly of said vertical section adjacent the lower end thereof and secured thereto, a plurality of legs dependingly supported from said horizontal section, a plurality of vertically disposed bolts arranged in spaced relation and projecting upwardly from said horizontal section, a second frame arranged in superimposed relation with respect to said horizontal section of said first frame and supported on said bolts, resilient arms extending upwardly and inwardly from opposite ends of said second frame, and each having its lower end secured to said second frame and having its upper end adapted for the support thereon of said chair seat, and resilient means operatively connected to each of said bolts for biasing said second frame away from the horizontal section of said first frame.

2,570,397
SHEET HOLDER
Bruce K. Slonneger, Dayton, Ohio
Application November 2, 1948, Serial No. 57,845
21 Claims. (Cl. 282—29)



1. In a sheet holder, a receptacle comprising a body having top and bottom openings through which sheets may be inserted in and removed from the upper and lower portions of said body, means carried by said receptacle to support one end portion of a pile of sheets in the upper portion of said receptacle and to removably retain the individual sheets in said pile of sheets, said receptacle having a closure for said top opening supported on said body for movement from a normally closed position to permit access to the upper portion of the interior of said receptacle and also having a closure for said bottom opening supported on said body for movement from a normally closed position to an open position to permit access to the interior of the lower portion of said receptacle.

2,570,398
AUTOMATIC ADJUSTING MECHANISM FOR BRAKES
George L. Smith, Washington, D. C., assignor to Thermo Brakes Corporation, Washington, D. C., a corporation of Virginia
Application March 15, 1948, Serial No. 14,884
9 Claims. (Cl. 188—79.5)

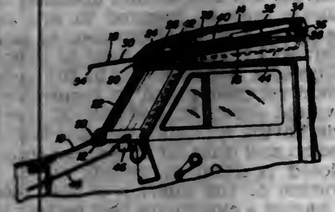


1. In an automatic brake adjusting mechanism connecting the two shoes of an internal expanding brake, an extensible spacer link, a ratchet wheel for extending said link, a ratchet pawl having a bi-metal blade positioned to engage the teeth of said wheel with its high expansion side next to said wheel, means interconnecting said pawl and said wheel and operated by the extension of said link for moving said pawl in a direction to engage a new tooth on said wheel and a spring connected to said pawl for operating it in the reverse direction.

2,570,399
RETRACTABLE SUN VISOR
Henry John Smith, Peconic, N. Y.
Application March 7, 1949, Serial No. 79,966
1 Claim. (Cl. 296—95)

In combination with a motor vehicle body provided with a windshield opening and including a

roof and headlining thereunder in spaced relation, a retractable sun visor comprising a resilient windshield mounting frame positioned in said opening and formed in its upper portion with a transverse slot, a pair of guides having forward portions thereof secured in said frame at the ends of said slot and extending rearwardly therefrom between said headlining and roof, a transverse panel slidable forwardly and rearwardly in said guides and through said slot from a retracted position in said body to a projected position above



the windshield, resilient sealing means provided on said frame at one longitudinal edge of said slot and frictionally engaging said panel, and means operatively connected to said panel for sliding the same, a portion of said resilient frame above said slot being provided with an upwardly extending longitudinal slit, whereby a portion of the frame disposed forwardly of the slit affords a resilient bendable strip having its lower edge in engagement with said panel and constituting said sealing means.

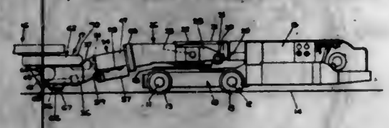
2,570,400

KERF-CUTTING MINING MACHINE

Edward H. Stein, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application November 27, 1946, Serial No. 712,673

2 Claims. (Cl. 262—23)



1. A mining machine including a main frame, an elongated generally horizontal supplemental frame pivotally mounted on said main frame and having a motor housing at its rear end and a head at its forward end, said supplemental frame forming a cantilever with the motor housing above and attached to said main frame and the head extending therebeyond, said supplemental frame also including hydraulic conduit forming turnover neck mechanism mounting said head for rotary adjustment upon the axis of said elongated supplemental frame, an electric driving motor in said motor housing at the rear end of said supplemental frame, a pump adjacent and driven by said motor carried by the rear end of said supplemental frame, a kerf cutter mounted on the head at the forward end of said supplemental frame, rotary hydraulic motor means connected to drive said kerf cutter and also mounted on said head, and hydraulic fluid conduits including the conduits formed by said turnover neck interconnecting said hydraulic pump at the rear end of said supplemental frame and the rotary hydraulic motor means at the forward end thereof, said turnover neck conduit mechanism including relatively rotary parts providing continuous conduits while providing for continuous unrestricted rotation of said head relative to the rear end of said supplemental frame on the longitudinal axis thereof.

2,570,401

SOFA BED

Richard G. Stein, Croton-on-Hudson, N. Y.

Application November 12, 1948, Serial No. 59,745

6 Claims. (Cl. 5—2)



1. A convertible sofa bed comprising a base frame, a mattress frame hinged adjacent its forward edge to the forward edge of the base frame and normally supported at its rear edge by the rear edge of the base frame on a lower plane than the front edge, a mattress carried thereby and normally forming a seat cushion, a back rest which is normally disposed forwardly of the rear edge of the seat cushion, brackets hinged at their lower ends at the rear of the base frame and supporting the back rest at their upper ends, stop means associated with the brackets normally holding the back rest in its forward position, means for elevating the rear of the mattress frame to the height of the front thereof, and shoulders carried by the lower ends of the brackets for retaining the mattress frame in such elevated position.

2,570,402

ANTIOXIDANTS FOR OILS AND OIL COMPOSITIONS CONTAINING THE SAME

Donald R. Stevens, Wilkinsburg, and Arthur C. Dubbs, Springdale, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

No Drawing. Application December 22, 1947, Serial No. 793,212

4 Claims. (Cl. 252—52)

4. A composition of matter comprising a major amount of an oil selected from the group consisting of animal, vegetable, and mineral oils normally tending to undergo oxidational changes and a small amount, sufficient to substantially retard such oxidational changes, of a bis(2-hydroxy-3-butyl-5-methylphenyl) methane, wherein the butyl group is selected from the class consisting of secondary butyl and tertiary butyl groups.

2,570,403

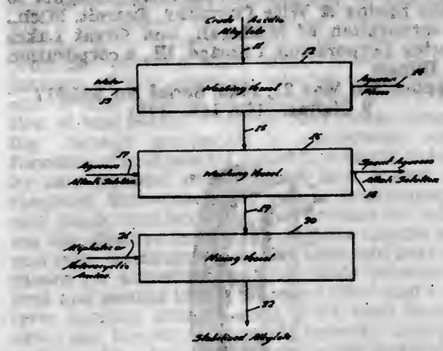
STABILIZATION OF PHENOL ALKYLATES BY AMINES

Donald R. Stevens, Wilkinsburg, and Samuel C. Camp, Richland Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

Application October 31, 1949, Serial No. 124,723

10 Claims. (Cl. 202—57)

1. A method of inhibiting the dealkylation of crude acidic alkylated phenols at elevated temperatures which comprises washing said alkylated phenols with a non-acid aqueous medium and adding to the washed alkylate at least the stoichiometric quantity of an alkaline agent



necessary to neutralize the extraneous non-phenolic acidic matter in said washed alkylate, said alkaline agent selected from the group consisting of aliphatic and heterocyclic amines.

2,570,404

MOTHER-OF-PEARL FISHING LURE

Morley W. Stirlen, Muscatine, Iowa, assignor of one-third to Charles C. Hagermann and one-third to Fred W. Hermann, both of Muscatine, Iowa

Application May 16, 1949, Serial No. 93,575

1 Claim. (Cl. 43—42.32)



A fishing lure comprising an elongated flat mother of pearl body, said body being provided with an aperture therethrough proximate each end thereof, and a resilient polished metallic wire of length greater than the length of said body, said wire extending lengthwise across said body and including terminal loops loosely embracing the ends of said body, said loops being adapted to selectively receive a swivel and a fish hook, said loops further including inturned free end portions removably received in said apertures.

2,570,405

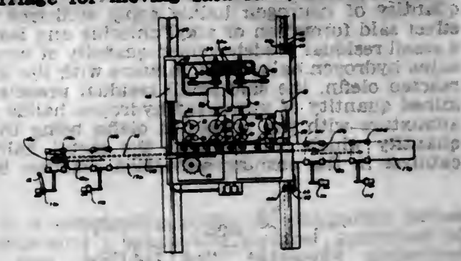
SYSTEM FOR CONTROLLING THE OPERATION OF MACHINING AND CUTTING DEVICES

William S. Tandler and David S. Walker, New York, N. Y., assignors to Industrial Scientific Company, New York, N. Y., a corporation of New York

Application May 2, 1945, Serial No. 591,620

13 Claims. (Cl. 266—23)

1. An apparatus for forming articles of a predetermined shape comprising a carriage movable along a straight path, a motor for moving said carriage, means movably mounted on said carriage for supporting a record having light-reflecting marks thereon, means for connecting said record supporting means to said motor for movement thereby, light-sensitive means for detecting said marks, a rack mounted on said carriage for endwise movement at substantially a right angle with respect to said straight path, means for forming an article connected to and movable with said rack, a second motor on said carriage for moving said rack, movable means



connected to said second motor for supporting a record having light-reflecting marks thereon, light-sensitive means for detecting said marks, and means including switches connecting said light-sensitive means and said motors for starting and stopping said motors alternately under the control of said records.

2,570,406

SWIVEL COUPLING

Alexander N. Troshkin, Nutley, and Irving D. Press, Union, N. J., assignors to Resistoflex Corporation, Belleville, N. J., a corporation of New York

Application February 8, 1949, Serial No. 75,204

1 Claim. (Cl. 285—97.9)



A swivel coupling comprising, in combination, a tubular member having a flange, a swivel member rotatably mounted on said tubular member, said swivel member having an annular internal recess providing an annular space between said swivel and tubular members, at least two resilient O-rings located in said annular space, said O-rings being proportioned relative to said annular space so as to be slightly compressed radially and slidable in an axial direction therein, a rigid ring of rectangular cross-section located between adjacent O-rings and freely slidable axially in said annular space, the axial length of said annular space being substantially greater than the total combined thicknesses of said O-rings and said rigid ring whereby said O-rings and rigid ring may move in an axial direction in said annular space during the functioning of said coupling.

2,570,407

REACTIONS INVOLVING THE USE OF HYDROGEN HALIDES

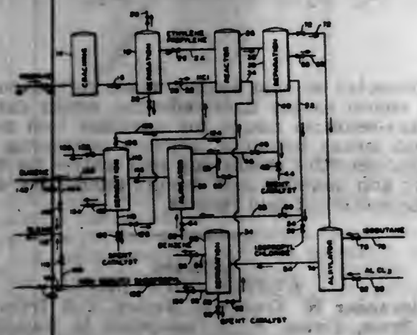
John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application January 5, 1948, Serial No. 604

5 Claims. (Cl. 260—671)

1. A process for the preparation of an alkylate of high purity which comprises admixing with a mixture of two olefins of different reactivities toward hydrogen halides a predetermined controlled quantity of a hydrogen halide to react

with the more reactive olefin, subjecting the resulting admixture to conditions effecting the selective reaction of hydrogen halide with said more reactive olefin to form the corresponding alkyl halide thereby forming a material enriched in the less reactive olefin, the aforesaid controlled quantity of hydrogen halide being sufficient to effect said formation of alkyl chloride and leave a small residual predetermined quantity of unreacted hydrogen halide in admixture with the unreacted olefin, the said small residual predetermined quantity of unreacted hydrogen halide in admixture with the unreacted olefin being that quantity which will activate the metal halide catalyst in the ensuing alkylation reaction be-



tween said alkylatable hydrocarbon and said olefin to form an alkylate rich in the primary alkylation product of said olefin and said alkylatable hydrocarbon according to prior art practice, recovering said unreacted olefin together with the said residual hydrogen halide and admixing same with an alkylatable hydrocarbon, contacting the last said admixture with a Friedel-Crafts type metal halide catalyst under conditions whereby said hydrogen halide activates said metal halide catalyst to act as an alkylation catalyst and said olefins reacts with said alkylatable hydrocarbon in the presence of the activated catalyst to form an alkylate rich in the primary alkylation product of said olefin and said alkylatable hydrocarbon.

2,570,408

PROCESS FOR PRODUCING MERCUROUS CHLORIDE CRYSTALS

Norman Van Gerder, Scotch Plains, William Horback, Irvington, and Amerigo F. Caprio, Madison, N. J., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application August 14, 1948, Serial No. 44,394
2 Claims. (Cl. 23—87)

1. Process for producing mercurous chloride crystals having a silky, nacreous luster, which comprises reacting mercuric chloride with a soluble, inorganic, dibasic phosphite at a temperature of from 10 to 95° C. in a solution containing from about 1.5 to 7% by weight of the mercuric chloride, from about 0.3 to 2.5% by weight of the soluble, inorganic phosphite and from about 1 to 10% by weight of a chloride of the group consisting of sodium and potassium chloride and mixtures thereof which improves the luster of the crystals, acidifying the reaction mixture and washing the mercurous chloride crystals formed without material loss of luster, with water containing from about .001 to 0.50% by weight of a material selected from the class consisting of protective colloids and wetting agents.

2,570,409

SEAT BACK CUSHION SPRING CONSTRUCTION

Desire H. Van Hove, Northville, Mich., assignor to Falls Spring & Wire Company, Detroit, Mich., a corporation of Michigan, and Great Lakes Spring Corporation, Chicago, Ill., a corporation of Illinois

Application May 21, 1945, Serial No. 595,017
9 Claims. (Cl. 155—179)



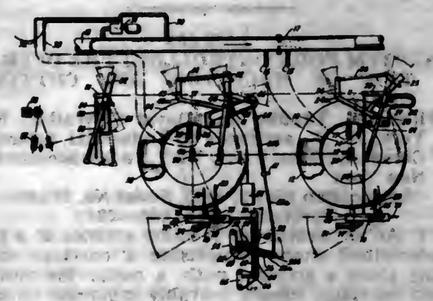
1. A seat back cushion spring construction comprising, in combination, a substantially upright frame including a pair of top frame members and a pair of bottom frame members, a plurality of spaced generally upright forwardly bowed continuous spring elements extending between said top and bottom frame members, each spring element having its upper end portion bent rearwardly and looped over the lower top frame member and secured to the upper top frame member and having its lower end portion bent rearwardly and looped over the upper bottom frame member and secured to the lower bottom frame member to thereby position said spring element spaced forwardly from said top and bottom frame members and a cushion spring assembly made up of a plurality of coil springs directly supported upon the forwardly bowed faces of said spring elements.

2,570,410

COMPENSATED MEASURING APPARATUS

Otto B. Vetter, McKeesport, Pa., assignor to Hagan Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1948, Serial No. 6,522
19 Claims. (Cl. 74—1)



1. In a measuring instrument responsive to the uncorrected magnitude of a principal variable,

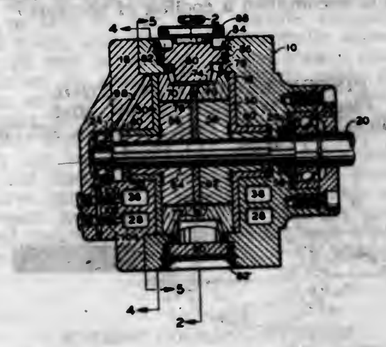
a housing pivoted at one end and including a member constrained to move along substantially the lever arm of said housing, mechanism for angularly positioning said housing in accordance with a function of said principal variable; means responsive to a second variable affecting said principal variable, said means controlling the position of said member relative to the pivoted end of said housing in accordance with a function of said second variable, said means comprising: linkage positioned in accordance with a function of said second variable, a crank actuated by said linkage, a first pivot and a first lever mounted thereon, drive means interconnecting said crank and said first lever, means for adjusting the effective length of said drive means, a second lever connected coaxially with said first lever, means for adjusting the angularity between said first and second levers, a second pivot and a third lever turning thereon, said third lever having a drive slot therein, a coupling member adjustably positionable along said guide means and drivably engaging said drive slot, connecting means drivably linking said third lever with said member on said housing, and exhibiting means operatively connected to said member whereby the position of said exhibiting means is controlled in accordance with the magnitude of said principal variable as corrected for the effect of said second variable.

2,570,411

POWER TRANSMISSION

Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application September 5, 1946, Serial No. 694,917
14 Claims. (Cl. 103—3)



1. A vane pump comprising a casing having inlet and outlet connections and forming a pumping chamber, a rotor in said chamber having two side-by-side sets of circumferentially distributed vane receiving recesses, a vane in each recess, a pair of oval shaped liner rings rotatably mounted side by side in the chamber and surrounding the rotor, means providing a pair of diametrically positioned inlet ports and a pair of diametrically positioned outlet ports, both pairs of ports being fixed with respect to the casing and opening into the working spaces between the rotor and rings, and means connecting said liner rings for conjoint rotary adjustment relative to the inlet and outlet ports in opposite directions from a first position in which their oval contours are in register for pumping full capacity in one direction to a second position in which the oval contours are again in register but transposed to each other for pumping full capacity in the opposite direction.

2,570,412

COMBINATION CONTAINER AND HANDLE FOR RAZOR BLADES, BRUSHES, OR THE LIKE

Rudolf Vogel, Bridgeport, Conn.

Application August 16, 1947, Serial No. 768,988
3 Claims. (Cl. 206—37)



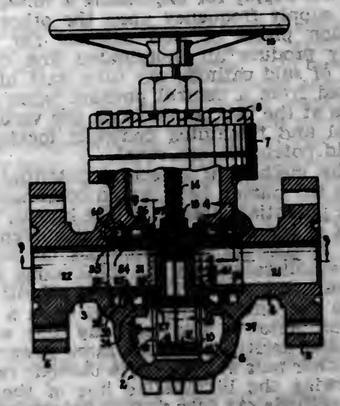
3. A combination container and handle device comprising a supporting member comprised of a base provided with outwardly projecting shoulders at opposed sides, a pair of spaced longitudinal walls inwardly offset from said shoulders and extending upwardly therefrom and providing in the space between them an article receiving pocket to retain an article in upwardly projecting relation thereto, and a pair of upstanding ear portions, one at each end of said base, each having a pair of bearing portions projecting respectively outwardly beyond said walls, and the bearing portions at the respective opposed sides of said walls having their bearing axes horizontally aligned and outwardly spaced from said walls and upwardly spaced from said shoulders, and a pair of cover members having inner and outer sides and having hinge means at the ends of their respective lower edge portions engaged with said bearing portions at opposed sides of said supporting member, said cover members in the closed position of the device extending upwardly with their inner sides in face-to-face relation at opposed sides of said article, and in open position extending downwardly with their outer sides in back-to-back relation and engaged with said shoulders to constitute a manipulating handle for said article.

2,570,413

AUTOMATIC SEALING GATE VALVE

Alexander S. Volpin, Houston, Tex.

Application September 8, 1945, Serial No. 615,128
4 Claims. (Cl. 251—167.1)



1. A lubricated gate valve including a housing, a gate chamber therein, a gate, means to move said gate, a flow passage intercepting said chamber, an annular enlargement in said passage, a

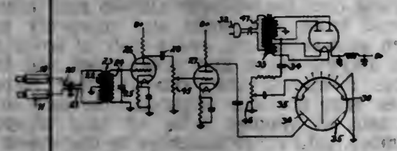
gate seat secured therein, said seat having an annular extension whose diameter is substantially less than that of said enlargement to provide an annular space therebetween, a vent from said chamber to said annular space, a movable barrier about said extension in said annular space, a side of said barrier being exposed to line pressure passing into said space through said vent, the length of said annular space being substantially greater than the width of said barrier to provide a lubricant reservoir in said space on the opposite side of said movable barrier, means to introduce lubricant into said reservoir, and means to conduct lubricant from said reservoir through said extension to said seat, said barrier being movable to force lubricant from said reservoir to said seat solely in response to chamber pressure entering said vent.

2,570,414

ELECTRONIC METHOD AND APPARATUS FOR DETERMINING POTENTIAL UNBALANCE

Joseph S. Wapner, Brooklyn, N. Y., assignor to Franklin P. Radest and Joseph Wapner, copartners, doing business as R & W Instrument Co., Brooklyn, N. Y.

Application April 17, 1947, Serial No. 742,001
4 Claims. (Cl. 128—2.1)



1. A device for detecting potential unbalance in the human body comprising, in combination, a pair of probes adapted to be placed alongside a vertebra at points equally distant from the spinal column to pick up from the areas overlying said points along the vertebra potentials of the alternating current power supply, means coupled to said probes for subtractively combining the potentials, a cathode ray tube, means in circuit between said combining means and said cathode ray tube for impressing the difference signal upon one pair of deflection plates of said cathode ray tube, and means coupled to the power supply for impressing a voltage of the power supply frequency upon the other pair of deflection plates of said cathode ray tube to thereby produce an illuminated line upon the screen of said cathode ray tube, said line being deflected from a central position when the potentials at the two points along the vertebra are unequal and remaining centrally located when the said potentials are equal.

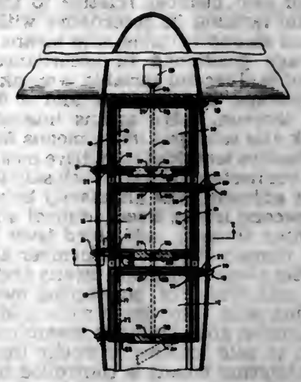
4. The method of detecting potential unbalance in the human body which comprises utilizing the potentials present in the human body as a result of the normal alternating current power source, amplifying the potentials derived from points equidistant from the spine along a vertebra, comparing the said amplified potentials, impressing the difference potential upon a pair of deflection plates of a cathode ray tube, applying a potential derived from the same power source to the other pair of plates of a cathode ray tube, and viewing the illuminated line of the screen of said cathode ray tube to thus determine which of the compared body potentials is higher and by what amount, and thus determine the condition of the portions of the body the potentials of which are thus compared.

2,570,415

REFRIGERATED TRANSIT VAN

Beverly E. Williams and Allan R. Bedrow, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois

Application February 11, 1949, Serial No. 75,914
7 Claims. (Cl. 62—95)



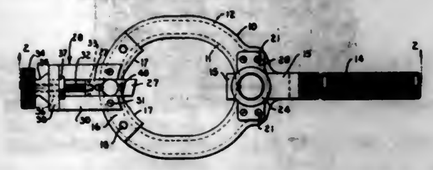
1. A portable van structure for use in shipping perishable products, the van being adapted to be assembled into an airplane fuselage and comprising an outer insulated wall, an inner hollow wall surrounding the storage compartment, said hollow wall being adapted to contain an eutectic solution, air flow passage means between said insulated wall and said hollow wall, and means to divert a portion of the cold air normally flowing around the outsides of the airplane fuselage when the airplane is in flight into said passage means to accomplish a cooling of the van.

2,570,416

PISTON REGROOVING TOOL

Joseph J. Wittman, Detroit, Mich.

Application April 17, 1946, Serial No. 662,736
1 Claim. (Cl. 82—4)



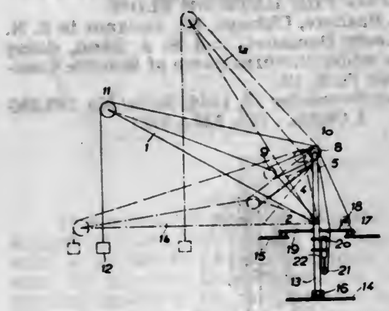
A tool for regrooving pistons comprising a substantially elliptical inverted U-shaped frame having a boss formed at one end thereof, a knurled rod forming a handle threadedly connected to said boss in alignment with the major axis of said frame, a yoke mounted on said frame inwardly of said boss and having a guide plate receiving slot also in alignment with said major axis, a relatively narrow rear guide plate supported on said frame and slidable through said guide plate slot along said major axis, a screw press clamping means on said yoke for locking said rear guide plate in a fixed position, an arcuate forward guide plate secured to said frame at the other end thereof with its inner edge extending inwardly of said frame symmetrically with respect to said major axis and in the same plane with said rear guide plate, means forming a tool way secured to said frame at its other end with said tool way extending in alignment with said major axis, said tool way comprising a base and a pair of spaced guide arms, a cutting tool slidably mounted in said tool way between said guide arms in a plane above said forward and rear guide plates, a screw means for adjustably moving said cutting tool in said tool way, and a screw press clamping means on said frame for locking said cutting tool in a fixed position.

2,570,417

HOISTING APPARATUS

Albert Wulleman, Le Canet-Marseille, France, assignor to Etablissments Paul Duclos Société Anonyme, Le Canet-Marseille, France

Application May 17, 1949, Serial No. 93,716
In France October 9, 1948
2 Claims. (Cl. 212—3)



1. A hoisting apparatus comprising in combination, a frame, a jib swingingly connected at one end to said frame, a sheave at the opposite end of said jib, two fixed sheaves supported by said frame and spaced substantially above said one jib end, a movable return sheave rotatably mounted on said jib, a hoisting cable passing from said jib-end sheave over one of said fixed sheaves, then over said movable sheave and returned over the other of said fixed sheaves, so that any variation in length of cable from the jib-end sheave is accompanied by an equal and reverse variation in length of the cable portion between said jib-end sheave and the last said fixed sheave, hoisting means for said cable, and means for swinging said jib.

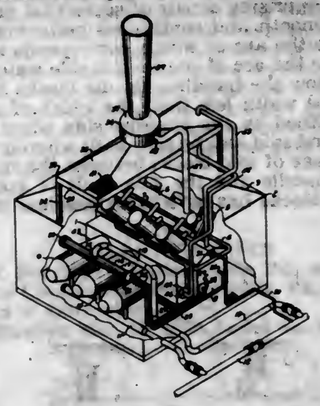
2,570,418

ENGINE COOLING SYSTEM

Farrile S. Young, Kansas City, Mo., assignor to Panhandle Eastern Pipe Line Co., Kansas City, Mo., a corporation of Delaware

Application April 21, 1948, Serial No. 22,415
2 Claims. (Cl. 123—41.45)

1. In combination with a compressor having an engine operated by gas from a gas supply line, said engine having a crank case for containing oil and means in said gas line for cooling said oil, a water cooling system comprising a canopy located above the compressor, said canopy having an inwardly tapered top terminating in a housing above the canopy and having communication with the interior thereof, a stack having a venturi leading from the housing, a radiator in said canopy, and a pipe leading from the exhaust of the engine to said housing, said pipe having its discharge end aligning with said venturi for discharging the exhaust therethrough and inducting a current of air through the radiator to cool the water therein, and means for circulating water from the engine through said radiator whereby the combined cooling effected by the cooled oil and



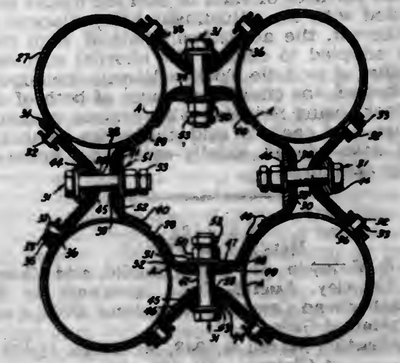
water maintain the compressor and engine at operating temperature.

2,570,419

MULTIPLE CLAMP

Harold R. Allen, Venice, and George C. Barber, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application November 13, 1947, Serial No. 785,656
10 Claims. (Cl. 248—68)



9. A support for an exhaust ejector stack cluster, comprising: annular means for peripherally engaging the stacks in said cluster, said means including a plurality of entrant portions adapted to enter the space between adjacent stacks; leaf spring units arranged in said entrant portions to lie transversely between adjacent stacks on the relatively outer faces of opposed cooperating ones of said entrant portions; and elongate fastening means passing through said spring units and through said opposed entrant portions and lying transversely between adjacent stack engaging portions and clampingly bearing near each end against the adjacent spring unit.

2,570,420

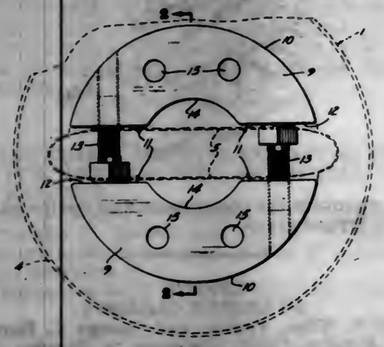
DEVICE FOR STRAIGHTENING MILK CAN COVERS

Emil C. Andersen, Pine City, Minn.

Application May 3, 1948, Serial No. 24,813
1 Claim. (Cl. 31—15.1)

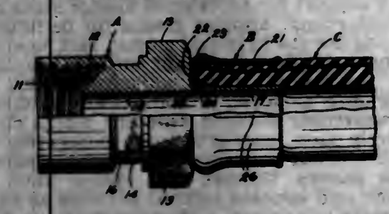
In a device for straightening the side walls of receptacle covers having an upwardly-opening

cup-shaped body and a diametrically-extended handle spaced from the bottom of said body, said device comprising a pair of segmental die blocks having smooth and continuous peripheral working faces the arc of which corresponds approximately to the arc of the sealing side walls of said cover below the handle, said die blocks having a segmental width less than the width of the segment defined by the opposite side edges of said handle and said sealing side walls whereby to permit passage of said blocks between the side edges of said handle and the side walls of said cover, said die blocks having a thickness less than the



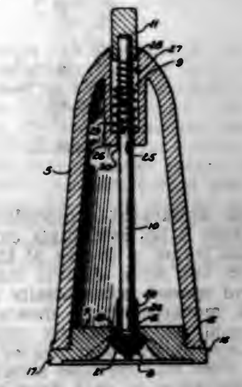
distance between the bottom of the handle and the bottom of the cup-shaped body, whereby said die blocks may be rotated within said body; the chordal surfaces of each of said die blocks being provided with an adjustment bolt adjacent one end thereof, the adjustment bolt of each block being adapted to engage the chordal surface of the other of said die blocks adjacent the opposite end thereof, the chordal surfaces of both of said die blocks being provided with central segmental notches, and each of said die blocks being provided with spaced axially-extending finger-receiving apertures.

2,570,421
HOSE COUPLING
John D. Baldwin, Jr., South Euclid, and Charles H. Crawley, Euclid, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application March 6, 1948, Serial No. 13,425
4 Claims. (Cl. 285—84)



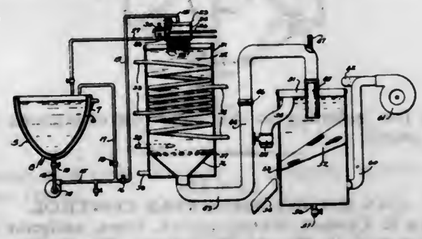
1. A hose coupling comprising a nipple having a free end and a sleeve fixed on and surrounding the free end of the nipple, said sleeve and nipple defining an annular pocket for reception of a hose, said sleeve comprising a circumferentially-continuous tubular portion and an inwardly-directed flange extending from one end thereof, said flange having a radially inner portion inclined toward the other end of said tubular portion, said flange having its inner edge in compressive engagement with said nipple, the inner edge of said flange being disposed in a groove in said nipple formed by forcing said flange longitudinally along said nipple with the flange in engagement with the nipple to increase the angle of inclination of said inclined flange portion relative to the axis of said tubular portion of the sleeve and thereby providing a toggle action between said flange and said nipple, said groove being bounded by a ridge of material sheared up by said flange and engaged thereby, said continuous sleeve portion restraining said flange against radial expansion, relative motion of said sleeve and said nipple tending to slip said sleeve over the free end of said nipple increasing the compressive engagement of said flange and nipple.

2,570,422
CONDIMENT DISPENSER HAVING A RESILIENTLY DEPRESSIBLE PLUNGER FOR CONTROLLING THE RATE OF FLOW
Homer H. Bashore, Chicago, Ill., assignor to E. N. Saad, Louis Demanes, and S. J. Saad, doing business under the firm name of Sonette Company, Oak Park, Ill.
Application November 13, 1946, Serial No. 709,595
1 Claim. (Cl. 222—512)



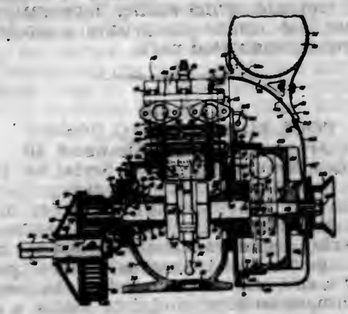
A condiment dispenser consisting of a container open at its lower end and at its upper end provided with a depending hollow part having at its lower end a re-entrant portion provided with a recess therethrough, a cap provided in the lower, open end having an opening therethrough providing a discharge passage for the condiment and a flat, shouldered portion on the underside of the cap about the opening, a rod extending through the container and having its upper end projecting through the recess and slidably mounted in the depending part and its lower end aligned with and adapted to project through the discharge passage for the condiment, a resilient closure mounted on the lower end of the rod and provided with a shank of less cross section than the passage and an enlarged head of greater cross section than the passage provided with a tapered sealing surface and when seated against the shouldered portion on the under side of the cap forming a line sealing contact closing the passage against discharge of the condiment, a knob carried on the extreme upper end of the rod and conformably received within the cylindrical part, and resilient means spring-biasing the rod and closure to elevated position in which the tapered sealing surface on the enlarged head engages the cap and closes the discharge passage, but permitting the knob to be depressed to lower the enlarged head and allow discharge of a quantity of the condiment through the annular space about the shank and when the knob is further depressed the rod is further lowered and thereupon removes the shank from the discharge passage to thereby increase the annular space for the discharge of the condiment.

2,570,423
APPARATUS FOR PELLETING SOLIDS
George W. Batchelder and Oliver J. Bronn, Milwaukee County, Wis., assignors to The F. G. Findley Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 20, 1948, Serial No. 16,036
8 Claims. (Cl. 18—2.7)



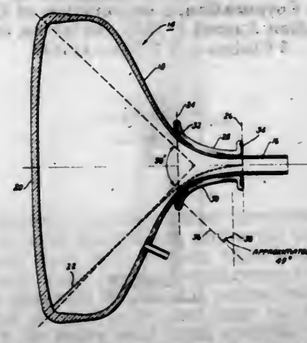
1. In a device for forming a liquefied solid into masses of given size, means for liquefying the solid, a column for receiving a liquid immiscible with the liquefied solid, means for introducing separate masses of the solid into the liquid in the column and adjacent one end thereof, jets for continuously producing a flow of liquid through a portion of the column and parallel with the path of movement of the masses therethrough, means for progressively controlling the temperature of the liquid in the column from the solids receiving end thereof and along the path of movement of the masses therethrough, and a conduit connected with the column for discharging the flow of the liquid and the solidified masses therefrom, a chamber for receiving the masses and the liquid, means for separating the liquid and the masses, and means for drying the masses in the chamber by a current of ambient air.

2,570,424
INTERNAL-COMBUSTION ENGINE PISTON LUBRICATION
Harry S. Benjamin, Detroit, and Hallison R. De Harte, Farmington, Mich., assignors to The Leading Engine Company, Farmington, Mich., a corporation of Michigan
Application August 31, 1948, Serial No. 47,038
2 Claims. (Cl. 184—18)



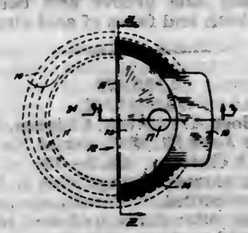
1. In an internal combustion engine, a crankcase, a chankshaft journaled in said crankcase, a cylinder mounted on said crankcase and having a skirt projecting into said crankcase, a piston reciprocably mounted in said cylinder and drivingly connected to said crankshaft, said skirt having lubricant passages therethrough, a lubricant regulator movably mounted on said skirt and having lubricant passages alignable with said skirt lubricant passages, and a lubricant distributor operatively connected to said crankshaft and arranged to direct lubricant against said skirt and into said passages.

2,570,425
DEFLECTION YOKE
Carlo V. Bocciarelli, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 26, 1950, Serial No. 164,465
9 Claims. (Cl. 313—76)



1. A deflecting coil for use with a cathode-ray tube and comprising a plurality of turns of wire arranged in the form of lumped conductors, each of the two side conductors of said coil being generally longitudinally disposed with reference to a common axis but being spaced a greater distance from said axis and from the remaining conductor at one end thereof than at the other, each of said side conductors also being bent convexly with respect to said axis throughout at least a portion of its length, and with each of the two end conductors of said coil being disposed substantially transversely with respect to said axis so that said end conductors exert relatively less deflecting effect than said side conductors.

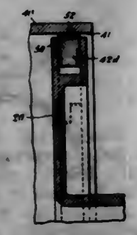
2,570,426
POURING ATTACHMENT FOR PAINT CANS
William W. Cassidy, Englewood, Colo.
Application October 7, 1948, Serial No. 53,230
1 Claim. (Cl. 222—570)



An attachment for a friction groove can of the type having a circular U-shaped groove adjacent the periphery of one end thereof, comprising; a plate-like member having a circular edge and a chordal edge, a downwardly extending circular

rim on the lower face of said member adjacent said circular edge, said rim being proportioned to engage within the can groove, the plate-like member having a pouring aperture adjacent said rim substantially midway the peripheral length of said rim, said plate-like member being dished downwardly from said rim in such manner that its lowest point is substantially midway the length of said chordal edge, whereby liquid lying on said plate-like member will drain from all portions thereof over said chordal edge at substantially its central portion when the plate-like member is secured to a can having the plane of the open end thereof disposed in a substantially horizontal position.

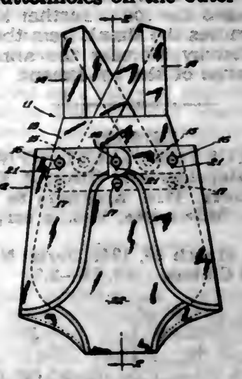
2,570,427
ROTARY SEAL
Charles W. Chillson, Caldwell, and Joseph M. Mergen, Verona, N. J., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application August 2, 1946, Serial No. 688,059
5 Claims. (Cl. 286—11.13)



2. In a seal between relatively rotating parts, a circular member having a circular open groove therein the cross-section of said groove being substantially rectangular and having greater depth, radially, than width, axially; a ring unit of hard substantially non-deformable material fitted to said groove to rotate relative to said member, said ring having a cross-section characterized by greater depth, radially, than width, axially, said ring being further characterized by having relieved side portions having annular sealing bands for sealing contact with both the side faces of said member groove, and being further characterized by having a substantially rectangular groove in that circumferential face of the ring facing away from said member, a cylindrical member substantially concentric with said grooved member, one member embracing the other in clearance relation, and a yieldable annular packing disposed within said ring groove, opposite sides of said packing engaging the surface of said cylindrical member and the bottom surface of said ring groove and being free of contact with both end faces of said ring groove.

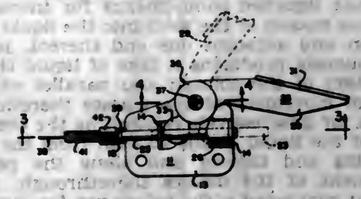
2,570,428
GARMENT
Theodore A. Clifford, Chicago, Ill.
Application June 27, 1947, Serial No. 757,616
3 Claims. (Cl. 2—70)

1. A child's garment comprising a front waist panel, two horizontal, vertically spaced rows of buttons on the outer surface of said waist panel, a pair of shoulder straps attached to the upper portion of said panel, a button on the outer end of each shoulder strap, a wrap-around skirt, buttonholes along the upper edge of said skirt for fastening to the strap buttons and to selected buttons in the upper row on the front of the panel, a flap attached to the bottom of the wrap-around skirt, and buttonholes on the outer edge of said



flap for fastening to the lower row of buttons on the panel.

2,570,429
GAS ENGINE THROTTLE CONTROL
Allyn R. Cooper, Marshalltown, Iowa, assignor of one-half to Harold M. Cooper, Marshalltown, Iowa
Application June 25, 1947, Serial No. 756,975
8 Claims. (Cl. 74—501)



8. A throttle control device comprising a base plate, a plunger slidably mounted with respect to said base plate, a movable operating member for the plunger, a circular flange on said base plate, said operating member having a hole therein through which said circular flange extends to provide for pivoting of said operating member with respect to said base plate, a spring washer in register with said flange, the extended end of said circular flange being spaced from the base plate a predetermined amount, a member adapted to compress the spring washer, and said member engaging the extended end of the circular flange, whereby the amount of compression of the spring washer is limited, and means for retaining said last member, said base plate, said operating member and said spring washer in operative relation, said last means comprising a single rivet extending through said parts.

2,570,430
TOOL FOR HANGING DOORS
Clarence L. Cramer, Elmhurst, Ill.
Application November 24, 1950, Serial No. 197,245
10 Claims. (Cl. 33—194)

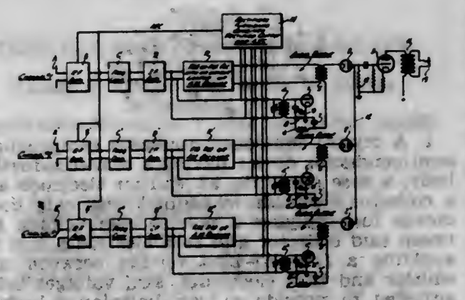
1. A tool for hanging butt hinge doors, in combination a continuously rigid body member having indexing openings therein spaced for standard settings for butt hinges, said index openings being of a size and shape to define the locations of butt hinges on doors and door jambs, a channel strip of greater width than the thickness of said body member attached to one edge of said

body member to form guide shoulders along said body member and said channel strip serving to



locate said body member in place on a door or door frame.

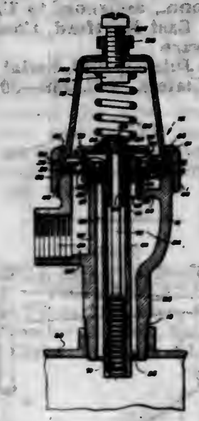
2,570,431
RADIO RECEIVING SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1945, Serial No. 575,658
14 Claims. (Cl. 250—20)



2. In a diversity receiving system having a plurality of receivers feeding a common utilization circuit, a rectifier in circuit with each receiver for rectifying the alternating current signal in each receiver, a tube for each receiver for passing the rectified current therefrom, a separate path in each receiver for passing the alternating current signal to the same tube which passes the rectified alternating current, a common load resistor for said tubes connected thereto by a direct current connection, whereby the passage of current through any one tube produces a component of voltage drop in said load resistor which appears as a negative bias on the other tubes.

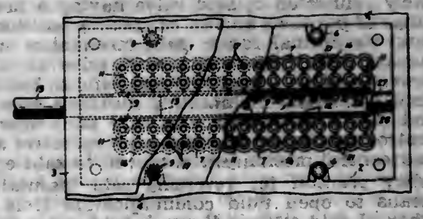
2,570,432
PRESSURE AND TEMPERATURE RELIEF VALVE
Wendell M. Dillon, North Andover, Mass., assignor to Watts Regulator Company, Lawrence, Mass., a corporation of Massachusetts
Application March 5, 1949, Serial No. 79,781
10 Claims. (Cl. 236—92)

1. In a valve of the character disclosed, a valve housing having an inlet chamber and an outlet chamber, a valve seat between said chambers, a diaphragm sealed at its marginal edge to said housing, a closure member on said diaphragm, said diaphragm being flexible and adapted to carry said closure member to and from closing position with respect to said seat, a thermostat mounted on and movable with said diaphragm, said thermostat extending into and through said



inlet chamber, a rigid member mounted on and carried by said diaphragm, and arms pivoted intermediate their ends on said rigid member, one end of said arms being in engagement with said housing, and said thermostat acting between the other end of said arms and said rigid member operative to move said rigid member and diaphragm and thereby move said closure member from said seat.

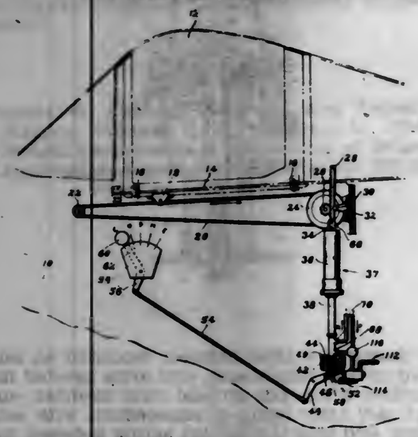
2,570,433
INJECTION MOLDING MACHINE
Howard M. Dodge, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 9, 1949, Serial No. 109,279
8 Claims. (Cl. 18—42)



7. An injection molding machine comprising a pair of separable mold platens having registering cavities in their meeting faces forming an elongated injection chamber, an elongated pressure equalizing passage along each side of said injection chamber, a group of mold cavities alongside each equalizing passage and extending the full length thereof, longitudinally spaced passage connecting said chamber to each of said equalizing passages, lateral passages spaced throughout the length of each equalizing passage and connecting the same to certain of the mold cavities and passages connecting other mold cavities to mold cavities to which said lateral passages are connected, and a plunger in said injection chamber for forcing plastic material from said chamber and

through the said passages to said mold cavities and acting to successively close said spaced passages during the injection stroke.

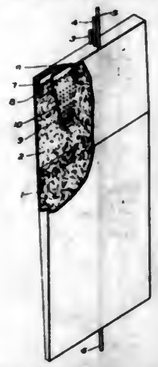
2,570,424
CANOPY ACTUATING MECHANISM
Arthur L. Dow, Easton, and Andrew J. Nelson, Stratford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 22, 1948, Serial No. 40,304
7 Claims. (Cl. 268—59)



1. In an airplane, a slidable cockpit canopy, a power operated actuating strut for moving said canopy between open and closed positions and locking said canopy intermediate said positions including a valve incorporated within said strut, two sources of power each having a fluid transmitting connection with said valve for actuating said power operated strut, means common to both of said fluid connections for normally maintaining fluid communication between one of said sources and said valve and arresting communication between the other of said sources and said valve, pilot operated control mechanism operatively connected to said valve having a normal range of positions and an emergency position beyond its normal range, said mechanism in its normal range controlling said valve to direct power to either side of said strut and to lock said strut while said maintaining means is effective, and means associated with said pilot operated control mechanism and said valve operative when said control mechanism is moved to said emergency position for reversing said maintaining means to open fluid communication from the other of said sources through said valve to one side of said strut.

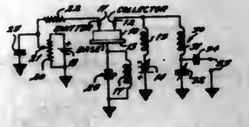
2,570,425
CATALYTIC VAPOR PHASE FLUORINATION APPARATUS
Frederick B. Downing, Carney's Point, N. J., and John E. Roberts, Wilmington, Del., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application March 30, 1945, Serial No. 585,763
5 Claims. (Cl. 23—288)

1. A reactor for multi-component vapor phase contact reactions, which comprises a reaction chamber adapted to contain a permeable body of contact elements, a pair of reagent inlets at one end, an outlet for reaction products at the other end, and a barrier between said pair of



inlets, said barrier extending into said reaction chamber for a substantial distance and having increasing permeability to gases in the direction of gas flow through the chamber.

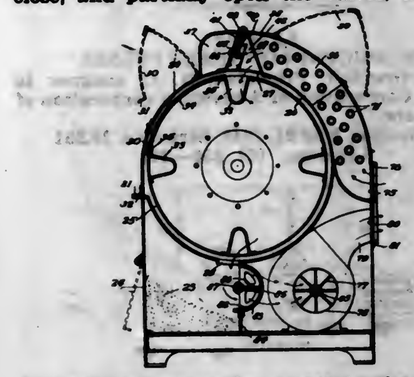
2,570,436
CRYSTAL CONTROLLED OSCILLATOR
Everett Eberhard, Haddonfield, and Richard O. Endres, Audubon, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 30, 1949, Serial No. 118,963
12 Claims. (Cl. 250—36)



1. A crystal controlled oscillator comprising a semi-conductor device having a semi-conducting body, a base electrode, an emitter electrode and a collector electrode in contact with said body, means for applying a reverse bias voltage between said collector and base electrodes and for applying a forward bias voltage between said emitter and base electrodes, said voltages being adjusted to provide a high impedance looking into a predetermined one of said electrodes, a piezoelectric device having a selected resonant frequency connected to said predetermined electrode, means coupled to said base electrode for providing positive feedback in said semi-conductor device, and a resonant circuit tuned approximately to the resonant frequency of said device and coupled to one of said other electrodes, whereby the resonant frequency of said oscillator is determined by the resonant frequency of said piezoelectric device.

2,570,437
DRYING TUMBLER HAVING OPERATION SEQUENCE CONTROLS
Hubert C. Ellis, Evanston, Ill., assignor to The Ellis Drier Company, Chicago, Ill.
Application October 3, 1945, Serial No. 619,948
12 Claims. (Cl. 34—45)

1. In a drier of the class described, a casing having a cylindrical chamber with an air inlet and an air outlet, a perforated tumbler cylinder rotatable in the chamber, an exhaust fan in the casing for receiving the air from the outlet and discharging it from the casing, an electric driving motor for the exhaust fan, an electric operating motor for rotating the tumbler cylinder, valve means comprising a valve having opposed seats and a valve head movable between the seats for admitting relatively hot and cold air to the casing inlet for the tumbler, fluid pressure means for actuating the valve means to open, close, and partially open the valves, a hinged



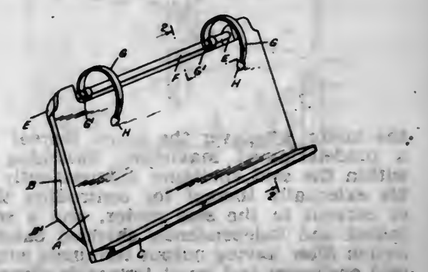
door for the casing for access to the tumbler cylinder, fluid pressure means for opening and closing the door, timing means for operating the valve means and controlling the fluid pressure means to close the casing door, to operate the cylinder driving motor to drive the tumbler cylinder, and to stop the cylinder driving motor when the cylinder door mechanism is operated to open the door.

2,570,438
TEAR GAS PROJECTOR BURGLAR AND FIRE ALARM
Phillip F. Flagge and Melvin W. Gerds, Milwaukee, Wis.
Application November 7, 1949, Serial No. 125,922
1 Claim. (Cl. 116—31)



An alarm device for a building or the like comprising, in combination, a base, a shell-receiving barrel slidably and detachably secured to the base adjacent the forward end thereof, a breechblock rigidly secured to the base rearwardly of the barrel and having a longitudinal bore therethrough aligned with the shell-receiving barrel, a bracket rigidly secured to the base adjacent the rear end thereof and having a pocket aligned with the breechblock bore, a tubular hammer slidably mounted in the breechblock bore, said hammer having a front firing pin and a trigger notch adjacent its lower rear portion, a switch button secured to the base below the hammer intermediate the barrel and breechblock and connecting a source of electrical energy with alarm signals, a bowed leaf spring extending over and engaging the switch button, a switch pin depending from the front portion of the tubular hammer and engageable with the bowed leaf spring, whereby upon forward movement of the hammer the switch circuit will be closed, a coil spring having one end nested within the rear portion of the tubular hammer and the other end pocketed in the bracket, a trigger block secured to the base below the tubular hammer intermediate the breechblock and the bracket, a trigger pivoted at one end to the block and having the other end engageable with the hammer notch, a spring urging the trigger against the hammer notch to hold the hammer against its spring pressure, a pulley secured to the trigger block beneath the trigger, a longitudinal central channel in the base extending beneath the barrel and breechblock, a strand secured to the end of the trigger opposite the pivot, said strand extending around the pulley through the channel and about a building, whereby upon movement of the strand the hammer is released, the shell fired and alarm signals energized, and means including a rod extending across the front portion of the barrel for preventing the wadding from being discharged from the muzzle.

2,570,439
HOLDER FOR SHEETS, BOOKS, AND THE LIKE
James Forca, Brooklyn, N. Y.
Application November 28, 1947, Serial No. 788,707
1 Claim. (Cl. 45—61)

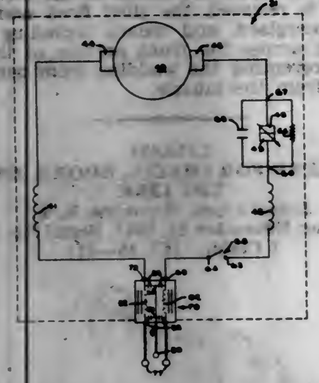


In a holder for sheets, books and analogous articles having a rearwardly inclined supporting wall, a horizontal rod adjacent and extending along the top of said wall at the rear side of the latter and rod supporting means connecting the ends of said rod to said wall, the improvement comprising two arms each formed of relatively light weight material and having a tubular bearing portion at one end loosely surrounding said rod and independently adjustable longitudinally of and angularly about said rod, and having a body portion extending away from said bearing portion in a direction transverse to the axis of the latter and having an end member attached to the free end of said arm and formed of relatively heavy material, said arm being curved and elongated so that said end member may engage the front side of said wall at a level below the level of said rod with the major portion of said curved arm in front of said wall and concave toward the latter and with the free end portion of said arm extending away from said wall at a steep angle, and being gravitationally biased by said end member against turning movement away from said wall.

2,570,440
RADIO INTERFERENCE ELIMINATOR
Leo Freiberg, Oakland, Calif., assignor to Friden Calculating Machine Co., Inc., a corporation of California
Application October 1, 1949, Serial No. 119,111
6 Claims. (Cl. 171—97)

6. In a machine adapted to be intermittently driven by a series motor substantially contained

within a shielding enclosure, the combination which comprises a metallic supporting base having side portions extending upwardly therefrom, a removable cover for the said base composed of electrically conductive material and having ventilating perforations in at least a portion thereof, means for removably securing the said cover to the said base for establishing a good electrical connection and forming therewith the said shielding enclosure, a governor driven by the said motor within the said enclosure and having electrical contacts thereon adapted to reduce the voltage applied to the armature of



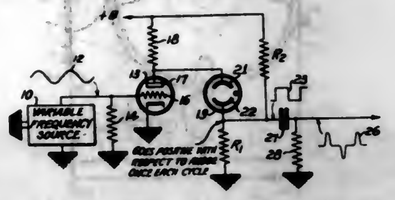
the motor whenever the speed thereof exceeds a predetermined maximum, switching means within the said enclosure independently operable externally thereof for controlling the flow of current to the said motor, and a self-contained and independently shielded band elimination filter having output terminals within the said enclosure and input terminals disposed externally thereof, the said filter being adapted to coact with the shield for the said enclosure in such a manner as to substantially prevent electrical interference voltage generated within the said enclosure from being conducted or radiated externally thereof.

2,570,441
SEALING STRUCTURE
Victor A. Grey, Chicago, Ill., assignor to Kartridg-Pak Machine Co., Chicago, Ill., a corporation of Illinois
Application January 8, 1947, Serial No. 720,875
4 Claims. (Cl. 154—42)



1. In a platen, a support and a facing thereon, said facing comprising a thin, wear-resistant plate having a layer of resilient, non-metallic cushion material applied thereto which is engageable with said support to yieldably cushion said plate under the action of a coacting sealing member, said plate and cushion member having an aperture therethrough, a cutting element disposed in said aperture for exposure above the plate upon movement of the latter by engagement with said sealing member, said support including means rearwardly sustaining said cutting element, and means to guide the plate for floating movement relative to said cutting element and support coincident with said engagement, said cushion member normally supporting said plate in predetermined shielding relation to said element and being compressible to expose said element above said plate.

2,570,442
PRODUCTION OF SHARP PULSES
Igor E. Grosdoff, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 21, 1948, Serial No. 28,351
6 Claims. (Cl. 250—27)



1. A circuit for converting successively occurring variable slope signals into uniform slope pulses which comprises a gas tube, means for causing said tube to break down and conduct in one direction in response to the occurrence of each variable slope signal, bias means for reversing the polarity of the voltage across said tube after it breaks down and before the next variable slope signal occurs, said reverse polarity voltage having a value sufficient to deionize said tube quickly but not sufficient to make the tube break down and conduct in the opposite direction, and means for applying to an output circuit the pulse resulting from said tube conduction.

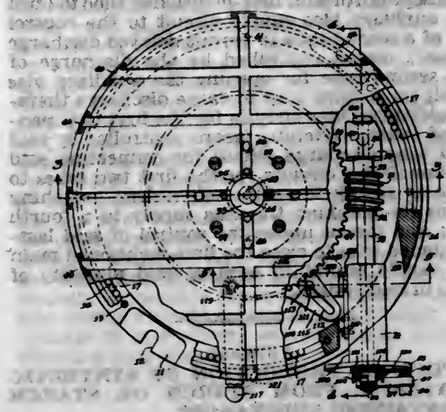
2,570,443
METHOD OF PRODUCING PRODUCTS OF ANIMAL FIBERS
James W. Hall, Elwyn, John P. Holthan, Jr., Garden City, and Frederick F. Morehead, West Chester, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 24, 1945, Serial No. 630,686
7 Claims. (Cl. 18—54)

1. A method for manufacturing products comprising fibers which occur naturally in beef tendons which comprises cutting the fibers to a selectively controlled length in the range from 0.1 to 5.0 mm., suspending the cut fibers in a swelling liquid, and forming the suspension into products of a predetermined shape.

2,570,444
INDEXING DEVICE FOR MACHINE TOOLS
Ferdinand J. Henkel, Royal Oak, Mich., assignor to Lamina Dies and Tools, Inc., Berkley, Mich., a corporation of Michigan
Application December 12, 1945, Serial No. 634,491
2 Claims. (Cl. 90—57)

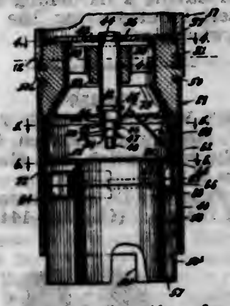
1. An indexing device for machine tools, comprising a base, a work holding turntable rotatably mounted on said base and having work holder thereon, a worm gear mounted beneath said turntable and operatively connected thereto for rotation thereof, a worm movable into and out of mesh with said worm gear, indexing mechanism

connected to said worm for applying to said turntable and measuring the motion imparted thereto by a predetermined motion of said worm, a worm mount pivotally mounted on said base, a



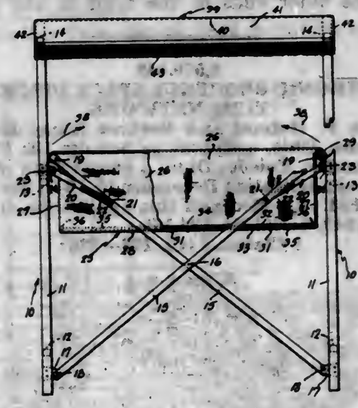
lever pivotally mounted on said base, and pin-and-slot mechanism responsive to the swinging of said lever for swinging said worm mount into a position wherein said worm meshes with said worm gear.

2,570,445
FOOT VALVE
Lee D. Hill, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application April 26, 1946, Serial No. 665,096
9 Claims. (Cl. 103—229)



1. A foot valve construction for a pump for delivering liquids from a container comprising a foot valve plate, a member providing a seat for said foot valve plate, a slidable support affording reciprocating movement of said foot valve plate to opened and closed positions with respect to said seat, means for blocking said foot valve plate in opened position and for again unblocking said foot valve plate, said means comprising a float, a pivoted leverage mechanism operated by said float, said pivoted leverage mechanism including an arm movable to a position to block said foot valve plate in the opened position when said float reaches one position and to afford free reciprocating movement of said foot valve plate when said float reaches another position, means for supporting and positioning said float and the leverage mechanism directly beneath said foot valve plate and substantially within the confines of the downwardly projected area of said seat member in a float chamber below said foot valve, said chamber being substantially totally enclosed so that unusual disturbances in the liquid will not be transmitted in any appreciable degree to the liquid which is in contact with said float, ports in said chamber permitting entrance of the liquid into said chamber, the inner vertical bounding surface of the chamber forming a liquid inlet passage, another of the bounding surfaces of said chamber being a horizontal wall, said pivoted leverage mechanism and float being pivoted from a point on said horizontal wall, and said float and said pivot point being laterally spaced to permit upward and downward movement of the float in an arc within said float chamber and to provide arcuate movement of said arm into and out of blocking position.

2,570,446
FOLDING CRIB
Leo Hoffman, Cos Cob, Conn.
Application June 2, 1949, Serial No. 96,693
4 Claims. (Cl. 5—98)

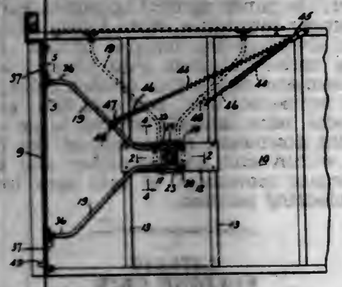


1. A foldable crib comprising a supporting frame structure comprising a pair of upright end frames, connecting side members pivotally connected to the end frames permitting said end frames to be shifted to a side by side position to collapse the frame, cross bars connecting the side members adjacent the end frames, a crib made of flexible fabric with the bottom wall comprising upper and lower thicknesses of said material stitched together at a transverse line at substantially the center of said bottom providing pockets open at the opposite ends of said bottom wall adjacent the end walls, and substantially rigid stiffener panels in said pockets extending from substantially said center to the end walls and removable through the open ends of said pockets.

2,570,447
HARDWARE FOR MOUNTING AN OVERHEAD GARAGE DOOR
Frank O. Hollister, Los Angeles, and Garland M. George, Long Beach, Calif.
Application April 2, 1945, Serial No. 586,172
7 Claims. (Cl. 16—129)

7. A hanger for an overhead opening garage door in a structure having opposed side walls comprising a support embodying a pivot shaft extending inward from a side wall of the structure, clamping means mounted on said pivot shaft, a pair of arms, each arm having parallel offset cylindrical end portions and an intermediate connecting por-

tion, the inner ends of the arms being embraced by and secured in the clamping means in parallel relation and adapted for both rotational adjustment about their longitudinal axes and endwise adjustment therein, the outer ends of the arms



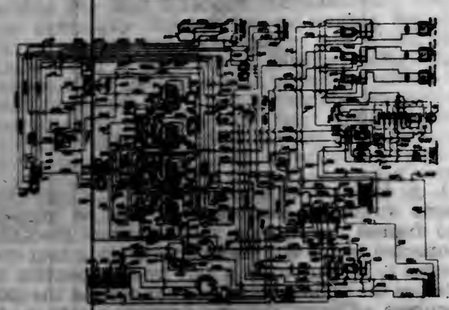
being adapted to be spaced from each other a distance greater than the distance between the inner ends, and means for adjustably connecting the outer ends of the arms to the garage door.

2,570,448

ELECTRONIC SEQUENCE SPACE DISCHARGE TUBE NETWORK

Burton F. Holmes and Herbert Harry Heindel, Toledo, Ohio, assignors to Schultz Die Casting Company, Toledo, Ohio, a corporation of Ohio

Original application December 10, 1947, Serial No. 790,838. Divided and this application October 28, 1949, Serial No. 124,153
6 Claims. (Cl. 175—320)



1. In an electrical system for causing mechanical operations, said system adapted to be connected to a source of electric current, an electronic sequence timing network adapted to be energized from said source of current; said network including a plurality of space discharge tubes connected in said network; each of said tubes having cathode, plate and control grid elements; a plate-cathode circuit for each of said tubes; and a variable time constant network for controlling the sequential discharge of said tubes, said network including a capacitance and resistance connected to the grid element of each of said tubes; a source of bias supply; a main normally closed bias circuit; switching means therefor for connecting said main bias supply to the control grid elements of each of said tubes to prevent firing thereof; auxiliary bias circuits for the control grid elements of certain of said tubes upon opening of the main bias circuit to said tubes; means operable to open the switch of the main bias supply circuit to a plurality of said tubes, said means causing dissipation of the capacitance from the grid circuit of one of said tubes through its resistance causing delayed discharge of said one tube only through its plate-cathode circuit; switching means connecting said auxiliary bias to certain of the other of said tubes when said main bias switch is opened; means operated by the discharge of said first-mentioned tube to open said auxiliary bias supply circuit to the control grid of a second tube to permit delayed discharge thereof; means controlled by the discharge of said second tube for opening the auxiliary bias circuit for a third tube to cause discharge thereof; additional bias circuits for the first two mentioned tubes; switching means controlled by said third tube discharge circuit for connecting said additional bias circuits for the first two tubes to the bias supply to rebias said tubes; switching means for breaking the bias supply to a fourth tube; and means under the control of said last-mentioned tube to close the first-mentioned main bias supply circuit to each of said plurality of tubes in said system.

2,570,449

METHOD OF PRODUCTION OF SYNTHETIC MATERIAL FROM STARCH OR STARCH CONTAINING SUBSTANCES

Drahomír Horsák, Brunn, Czechoslovakia

No Drawing. Application January 4, 1947, Serial No. 720,322. In Czechoslovakia January 19, 1946
2 Claims. (Cl. 18—54)

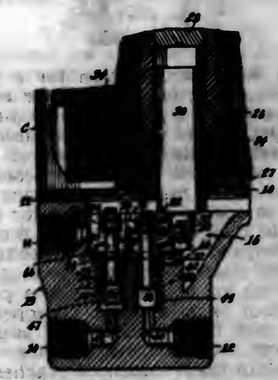
1. A process for producing synthetic threads, and the like from starch-containing material, which comprises adding water and at least one substance capable of imparting thereto thermoplasticity to the material to convert the material into a pseudo-thermoplast, gelatinizing said material, eliminating the excess water present in the gelatinized mass, extruding said gelatinized mass at raised temperature and increased pressure, and passing the extruded material through a liquid bath having a hardening action on the shaped material but leaving the starch component otherwise unaffected.

2,570,450

THREE-WAY SOLENOID VALVE

Frederick W. Hottenroth, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application February 19, 1946, Serial No. 648,732
3 Claims. (Cl. 137—144)



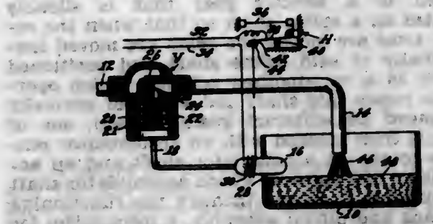
1. In a solenoid valve structure of the character disclosed, a valve body having an inlet, an outlet, and an open chamber intermediate said inlet and said outlet and a port communicating with said chamber, a valve seat in communication with said inlet, a second valve seat in communication with said outlet, valve plugs normally spring seated independently of each other on said valve seats, each valve plug having a stem, each plug when unseated affording communication between its respective inlet or outlet and said intermediate chamber, a bracket against which the springs for said valve plugs engage and through which said stems are slidably guided, a rock lever pivotally mounted on said bracket and having portions on opposite sides of the pivot for alternately unseating said valve plugs, passageways from said valve seats to said intermediate chamber and communicating the inlet downstream of one valve seat and the outlet upstream of the other with said intermediate chamber, said rock lever for effecting the unseating operation, a plate for said intermediate chamber, a sleeve sealed relative thereto and having a closed outer end, said plunger being slidable in said sleeve, and a solenoid coil surrounding said sleeve.

2,570,451

LIQUID LEVEL CONTROL SYSTEM

Frederick W. Hottenroth, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa

Application August 17, 1948, Serial No. 44,749
3 Claims. (Cl. 236—44)



1. In a system of the character disclosed, a container for liquid, a temperature sensing bulb partially inside and partially outside said container, a normally closed valve for supplying water to said container and adapted to be opened by said temperature sensing bulb upon predetermined increase in temperature thereof, the portion of said bulb in said container being contacted with liquid therein when it rises to a predetermined level and thereby cooled sufficiently to counteract the temperature acting on said temperature sensing bulb, and humidostatically controlled means for heating the portion of said bulb outside said container.

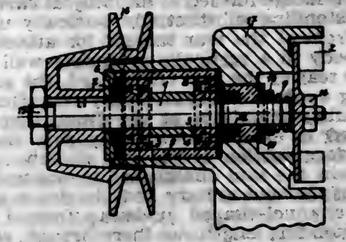
2,570,452

WATER PUMP FOR AUTOMOBILES AND FOR OTHER USES

Maurice Hougue, Champigny, France

Application November 14, 1947, Serial No. 785,886
In France December 12, 1946
9 Claims. (Cl. 308—187.1)

1. In a pump having a rotary impeller supported on one side by a shaft running in bearings, in combination, a casing having a shoulder; a housing extending from said shoulder; a shaft extending through said housing; a washer engaging said shoulder; a sleeve arranged in said housing; bearings arranged in said sleeve for said shaft; means for forcing said sleeve into engagement with said washer; a ring force-fitted into said housing; an annular sealing member arranged for frictional engagement of said shaft;



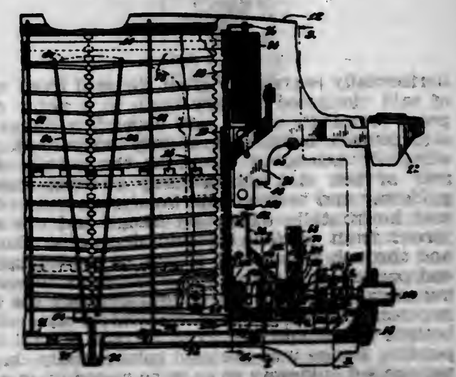
and means for forcing said annular sealing member into engagement with said ring.

2,570,453

TEMPERATURE ACTUATED CONTROL

Alfred J. Huck, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware

Application December 28, 1949, Serial No. 135,391
6 Claims. (Cl. 99—329)



1. A bread toaster comprising bread slice heating means, a bread carrier for carrying a bread slice to a position to receive heat from said heating means, toasting interval control means including a pair of thermal responsive elements having differing coefficients of expansion, said elements engaging the bread slice to respond to the surface temperature thereof, a lever, said thermal responsive elements being connected at spaced points to said lever, a spring connected to said lever between said spaced points whereby to pivot the lever, latch means for holding the bread carrier in toasting position, and latch releasing means operated by said lever when the bread attains a surface temperature corresponding to the desired color of toast.

2,570,454

COMBINATION CHALK BOARD MOLDING STRIP AND MAP DISPLAY RAIL HOOK SUPPORTING MEMBER

Wayne T. Jervis, Flossmoor, Ill., assignor to Weber Costello Company, Chicago Heights, Ill., a corporation of Illinois

Application June 6, 1950, Serial No. 166,328
2 Claims. (Cl. 35—67)

1. A combination chalkboard molding strip and map display rail hook supporting member comprising an elongated unitary body having a horizontally extending portion adapted to be

rested upon the upper edge portion of a vertically extending chalkboard and having an attaching flange formed as an integral part thereof and extending substantially vertically upwardly therefrom at the rear thereof for attaching the said body to a vertically extending wall surface at the rear of the said chalkboard, the said body having a substantially vertically extending flange depending therefrom at the front thereof and adapted to extend downwardly over the upper front face portion of the said chalkboard so as to retain the said chalkboard in position of use against the said unitary body having a substantially channel-shaped guideway formed therein and extending lengthwise therethrough, said substantially channel-shaped guideway having a closed top wall and a closed front wall and a bottom wall in the form of a flange extending



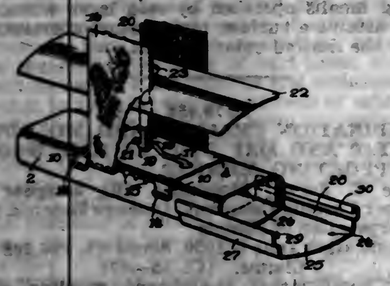
horizontally rearwardly from the said front wall of said elongated unitary body to a point disposed forwardly of the said depending flange of said unitary body, said unitary body having a vertically extending throat at the bottom and rear of the said substantially channel-shaped guideway and between the inner rear end of the said horizontally extending flange and the adjacent front surface of said depending flange and through which said throat an angled upper end portion of a map display rail hook supporting member may be introduced between the inner rear end of the said rearwardly extending bottom flange and the front surface of said depending flange into the said substantially channel-shaped guideway so as to be rested upon and supported by and upon the said horizontally extending bottom flange of the said unitary body.

2,570,455

VENETIAN BLIND RAIL TAPE CLAMP

Bela B. Junkune, Chicago, Ill., assignor to Bela B. Junkune, Alexander Junkune, Sr., Alexander Junkune, Jr., and Joseph G. Junkune, a partnership, doing business as J & J Tool & Machine Co., Chicago, Ill.

Application April 1, 1948, Serial No. 18,457
5 Claims. (Cl. 160—178)



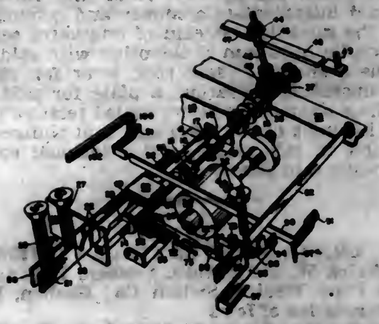
1. Tape fastening means for a Venetian blind rail comprising an upper member having depending side walls, a plurality of teeth integral with said side walls and a plurality of curled lips projecting in a plane below said teeth, and a lower member having cooperating members engaging said lips to clamp said upper member in position.

2,570,456

VALUE INDEXING MECHANISM

Clinton P. Karr, Seattle, Wash., assignor to Friden Calculating Machine Co., Inc., a corporation of California

Application May 6, 1947, Serial No. 746,292
12 Claims. (Cl. 235—73)



1. In a calculating machine of the type wherein there are pairs of movable selector arms each coupled to a selector gear that is slidably mounted on a spline shaft so that when the selector arms are moved the gears are moved longitudinally of said spline shaft and positioned relative to a vari-toothed actuator which operates to rotate said shaft and a pair of normally disengaged add-subtract gears thereon, one of which is then meshed with an accumulator pinion to rotate an accumulator shaft and an accumulator dial thereon, which accumulator shaft is returnable to "zero" through the functioning of a rack and pinion assembly, a mechanism for transferring back to said selector arms a product of a previous calculation appearing on said accumulator dial, comprising: means for meshing the accumulator pinion with the subtract gear of said add-subtract gears; a take-off member adjacent said spline shaft; clutch means for drivingly connecting together said spline shaft and said take-off member; said clutch means comprising relatively engageable toothed clutching members; a first pinion rigidly connected to the toothed clutching member of said take-off member; a second pinion torsionally connected to said first pinion; each of said selector arms having a rack associated therewith and engageable by one of said pinions; and means for biasing one of said clutching members for shift toward and away from the other thereby to respectively control engagement and disengagement of said clutch means.

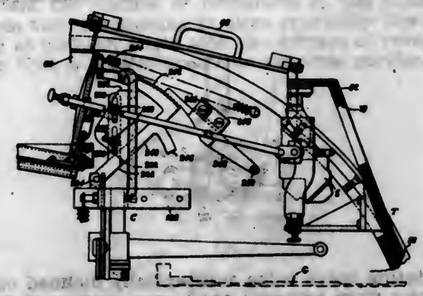
2,570,457

HEADREST FOR GUNNERS' CHAIRS

Cutler D. Knowlton, Rockport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application November 30, 1944, Serial No. 565,939. Divided and this application October 24, 1945, Serial No. 624,302
1 Claim. (Cl. 155—177)

The combination with a chair-back, of a shaft rotatable thereat, two arms fixed to the shaft, a head-rest, slot-and-screw connections for securing the head-rest to the arms in different positions, a spring by which the head-rest is urged forward about the axis of the shaft, a third arm



fast upon the shaft and having a series of teeth, and a latch for retaining engagement with the teeth.

2,570,458

SURVEYING TARGET

Zygmunt Kowalczyk, Krakow, Poland

Application December 18, 1946, Serial No. 717,102
In Poland December 27, 1945
6 Claims. (Cl. 33—74)



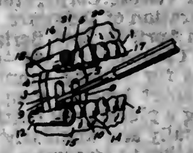
1. A target for use in the orientation of mines and the like comprising, a platform having at least three spaced signals, means carried by the platform to level the platform so that its upper surface lies in a horizontal plane, each of said signals being spaced a predetermined distance from the other signals, each signal including a needle point projecting upward from the platform a predetermined height, and means carried by said platform to illuminate said signals.

2,570,459

DENTAL HOLDING AND RESTING DEVICE FOR HOLDING THE MOUTH IN AN OPEN POSITION

Raymond L. Kreider, Millcreek Township, Erie County, Pa., assignor to B. G. Hatch Company, Inc., Brooklyn, N. Y., a corporation of New York

Application March 31, 1949, Serial No. 84,624
4 Claims. (Cl. 128—12)



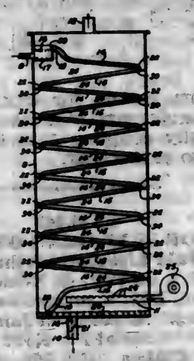
1. A device for holding at rest in an open position the upper and lower rows of teeth of a human comprising a resilient body member having a central outwardly extending leg for engaging the cusps of the teeth in one of the said rows thereof, the said body member adapted to engage the cusps of the teeth in the opposing row, and side wing members spaced laterally from said central leg defining slots for projecting an instrument therethrough, said leg and said side wing members extending outwardly from one side of said resilient body member.

2,570,460

OXIDIZER FOR BLACK LIQUOR

Otto Kress, Appleton, Wis., assignor to The Institute of Paper Chemistry, Appleton, Wis., a corporation of Wisconsin

Application October 19, 1948, Serial No. 55,255
3 Claims. (Cl. 23—283)



1. An oxidizer for black liquor comprising, a vertically elongated tubular casing provided with superimposed oppositely inclined shelves the lower end of each of which has a depending lip spaced from but closely approaching the upper end surface of the next successive downwardly inclined shelf to provide a narrow open gap between each succeeding pair of said shelves, means for delivering liquor to the uppermost of said shelves for gravity flow downwardly along said shelves and across said gaps in succession to produce a continuous and uninterrupted downwardly advancing thin film, means for injecting air into said casing beneath the lowermost of said shelves, and an air duct mounted on and extending downwardly along each shelf and being provided with a cut-out portion adjacent to the open gap at the lower end of the shelf, said ducts providing passages for air to rise successively through said cut-out portions and over the surfaces of the adjacent shelves and dividing the continuous liquor film into segregated downwardly flowing stream sections.

2,570,461

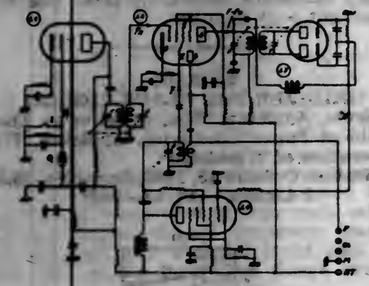
STANDARD FREQUENCY GENERATOR

Robert Guy Legros, Paris, France

Application June 18, 1947, Serial No. 755,294
In France September 20, 1946
4 Claims. (Cl. 250—36)

1. A frequency generator in which the frequency generated by a tunable oscillating circuit is stabilized by a crystal-containing circuit having a mixer generating the difference of the frequencies of the tunable oscillating circuit and the crystal containing circuit and a discriminator responding to the difference of the frequencies, in combination, a first adjustable condenser in the output circuit of the crystal-containing circuit; a second adjustable condenser in a grid circuit of the mixer; means for adjusting simultaneously said first and second condensers; means for electrically coupling said first and second condensers

to each other; a third adjustable condenser in the output circuit of said mixer; a fourth adjustable condenser in the input circuit of the



discriminator; means for adjusting said third and fourth condensers simultaneously; and means for electrically coupling said third and fourth condensers to each other.

2,570,462

PROCESS FOR PREPARING ORGANOSILANES

Robert De Wald Lipscomb, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 30, 1948, Serial No. 5,502

10 Claims. (Cl. 260—448.2)

1. Process for the preparation of organosilicon compounds which comprises heating trichlorosilane with an acyclic aliphatic hydrocarbon containing but one unsaturation and that olefinic and having hydrogen on doubly bonded carbons in the presence of a symmetrical azo compound wherein the valences of the acyclic azo, —N=N—, group are each attached to a monovalent radical, aliphatic in character, which is saturated hydrocarbon, except for a cyano group on the alpha carbon which carbon is tertiary.

2,570,463

PROCESS FOR PREPARING ORGANOSILANES

Maurice Louis Ernsberger and Robert De Wald Lipscomb, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 30, 1948, Serial No. 5,507

7 Claims. (Cl. 260—448.2)

1. A process for the preparation of organosilicon compounds wherein cyclohexene is heated for 13 hours at a temperature rising from 75° C. to 115° C. with trichlorosilane in the presence of a mixture of alpha,alpha'-azodiisobutyronitrile and 1,1'-azodicyclohexanecarbonitrile and cyclohexyltrichlorosilane is isolated.

2,570,464

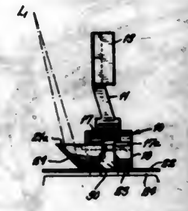
SEWING MACHINE PRESSER FOOT

Theodore Leew, Brooklyn, N. Y., assignor to Trubenizing Process Corporation, New York, N. Y., a corporation of New York

Application August 24, 1949, Serial No. 112,139

7 Claims. (Cl. 112—235)

1. A sewing machine presser foot comprising a heel portion and forwardly projecting toes having a needle-accommodating space therebetween, said presser foot comprising transparent material communicating between a side wall of said needle-accommodating space and an external surface of said presser foot for the transmission of illumination therethrough from said external surface to said space between said toes and the surface of said side wall of said needle-accom-



modating space being substantially inclined outwardly from adjacent the upper portion of said needle-accommodating space so as to refract light rays emanating from said surface toward the bottom of said needle-accommodating space.

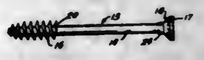
2,570,465

MEANS FOR FIXATION OF HIP FRACTURES

Joseph S. Lundholm, Rockford, Ill.

Application August 1, 1949, Serial No. 107,970

3 Claims. (Cl. 128—92)



1. A one-piece surgical lag screw for the fixation of a hip fracture wherein the proximal and distal fragments include respectively the head and shaft of the femur comprising a single piece of metal electropassive in the body fluids including a shank having a smooth cylindrical outer surface, a threaded portion approximately one inch in length at one end of said shank, the thread being continuous from end to end, the base of the thread having a diameter not greater than the diameter of the shank, the outer diameter of the thread approximating twice the diameter of the base and tapering to a lesser diameter at the extreme end of said screw, and a head at the opposite end of said shank having a frusto-conical surface adjacent the shank for rotation against the cortex of the femur shaft in the final tightening operation and a socket for reception of a tool for rotating the screw the perimeter of the socket being spaced inwardly from the perimeter of the head.

2,570,466

STAPLE CUTTER

Richard MacHenry, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application April 30, 1949, Serial No. 90,630

10 Claims. (Cl. 164—68)

1. Apparatus for cutting running filamentary material into short lengths comprising a rotary member having a plurality of cutting edges which are spaced radially and angularly with respect to the axis of rotation to traverse a common surface of revolution and to provide open spaces between the edges within the surface of revolution, a stationary shear member supported in shearing relationship with the rotating edges, a guide surface extending toward the shear member and the rotary member for supporting a continuous filamentary material to be cut, means for continuously feeding the filamentary material into the apparatus, a hood having a surface extending in the direction of rotation of the rotary member providing progressively restricted clearances around the surface of revolution of the cutting edges and terminating at close proximity thereto and at such an angle with the surface of revolution that a projection of the terminal portion of



said hood surface would intersect the surface of revolution and terminating with sufficient clearance from the supporting surface to permit passage of the material therebetween, and a substantial portion of the hood extending from the terminal edge being unapertured so as to tightly enclose the atmosphere confined therewithin about the surface of revolution.

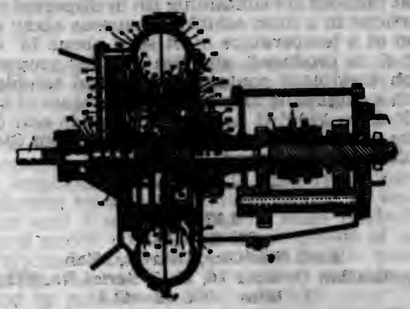
2,570,467

TRANSMISSION

Bronislaus T. Malachowski, Detroit, Mich.

Application February 3, 1947, Serial No. 726,033

1 Claim. (Cl. 74—688)



A transmission comprising a drive shaft rotatable in one direction, a driven shaft, epicyclic gearing having external and internal gears and a planetary gear meshing with said external and internal gears and operatively connected to said driven shaft, a fluid coupling comprising opposed drive and driven sections, a clutch member connected to one of said external and internal gears, a second axially movable clutch member cooperative with said first mentioned clutch member and carrying said drive section, means operable by said drive shaft for rotating and axially moving said cooperating clutch member in frictional engagement with said first mentioned clutch member, a third clutch member connected to the other of said external and internal gears, a fourth clutch member cooperative with said third clutch member and carrying said driven section and rotatable and axially movable by said driven section into frictional engagement with said third clutch member, and means for holding said third clutch member from rotation in a direction opposite that of said drive shaft.

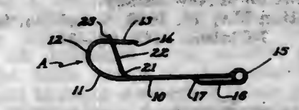
2,570,468

FISHHOOK

Herbert E. Matthes, St. Paul, Minn.

Application January 7, 1949, Serial No. 69,717

3 Claims. (Cl. 43—43.4)



1. A fish hook comprising a hook element including a hook shank and a hook end thereon terminating in a pointed hook end, a spring coil at the opposite end of the hook shank from the hook end, the spring coil being arranged on an axis substantially normal to a plane including the hook shank, a guard connected to the opposite end of the coil, said guard including a guard shank end extending in substantially parallel spaced relation to the hook shank for a short distance from said coil, a guard shank portion extending in parallel contacting relation to the hook shank, a laterally bent portion connecting said guard shank end and said guard shank portion, an angularly bent end on said guard shank portion inclining toward the closed end of the hook and normally bridging the hook end, and a pointed end on said angularly bent end, said guard swinging upon flexing of said spring coil to move the pointed end of the guard within the area defined by the hook end of the hook, said spring normally urging said guard against said hook shank and causing the shanks to diverge apart from said spring when disengaged.

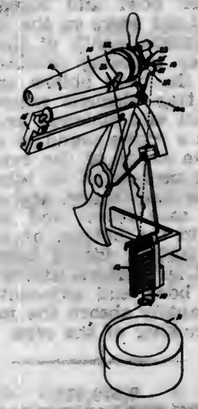
2,570,469

TAIL WINDING DEVICE

Henry J. McDermott, Collingdale, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

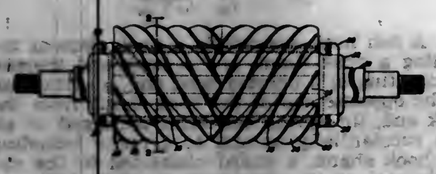
Application April 16, 1948, Serial No. 21,500

8 Claims. (Cl. 242—18)



1. In combination, a rotatable winding head, a reciprocable strand guide having a strand guiding notch, an auxiliary strand guide having a strand path therethrough, and a strand-engaging element for the reciprocable guide extending laterally therefrom in a direction toward the auxiliary guide said auxiliary guide having an open region transversely thereto through which the element may pass along a path intersecting the strand path.

2,570,470
BLADED ROLL FOR WORKING HIDES
Vernon H. Meyer, Beverly, and Donald M. Ferguson, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 16, 1950, Serial No. 162,253
7 Claims. (Cl. 69—37)



1. As an article of manufacture, a tanning machine roll comprising a shaft, multiple cylinders arranged in end-to-end and interlocking relation on said shaft, each of said cylinders having spiral blades formed integral therewith.

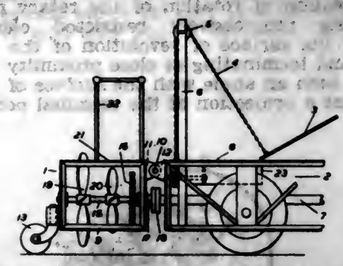
2,570,471
SMOKING PIPE
Charles H. Morris, Darlington, S. C.
Application August 1, 1945, Serial No. 608,135
2 Claims. (Cl. 131—203)



1. A smoking pipe having the usual round and hollow tobacco bowl and bored stem leading therefrom but cut away on the underside of the bowl and adjacent length of the stem to form a flat slideway exposing substantially the full diameters of the bowl hollow and the bore of the stem, a tray element removably mounted upward against said slideway and having in its upper surface a recess round at one end to correspond to the shape of the exposed hollow of the bowl and narrow at its other end to correspond to the stem shape, and a filter element positioned in said recess and having a round end exposed to the bottom of the bowl and a narrow end portion fitting beneath the stem whereby the filter element will be intimately exposed to the bowl and adjacent bore through the stem to rapidly absorb the juices and fluids incident to smoking of the pipe.

2,570,472
MANURE SPREADING MACHINE
Stanley F. Mott, Leamington Hastings, near Rugby, England
Application September 2, 1949, Serial No. 114,475
In Great Britain September 3, 1948
5 Claims. (Cl. 275—3)

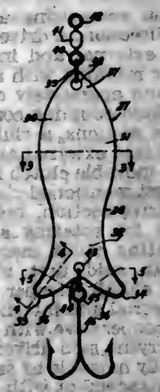
1. A manure spreading machine comprising a wheeled chassis, means for connecting the chassis with a vehicle, spaced shafts mounted parallel to the longitudinal axis of the chassis, means for rotating the shafts in opposite directions and a series of propellers of increasing blade size mounted on each of the shafts, the blades of the foremost propellers being the smallest and the blades of the rearmost propellers being the largest.



2,570,473
METHOD OF RECOVERING TIN FROM TIN-BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Plainfield, N. J., assignors to The Vulcan Detinning Company, a corporation of New Jersey
No Drawing. Application May 17, 1946, Serial No. 670,547
3 Claims. (Cl. 23—136)

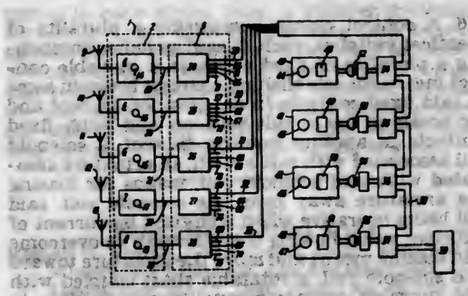
1. A process for recovering tin in the form of tin sulfide from a low grade tin ore containing about 15% to 35% of tin in a form in which it is in a substantially aqueous alkali-insoluble state, comprising heating such ore in the presence of about 5% to 40% of a solid carbonaceous reducing agent, based on the weight of the ore, at a temperature of at least about 760° C. but below that at which the ore fuses, under conditions such that reduced ore containing tin in dispersed small particles in a form soluble in aqueous alkali solution at a temperature of at least about 75° C. to 90° C. is produced, and heating the product of such treatment containing the said soluble tin with a sulfidizing agent at a temperature of about 950° C. to 1100° C. to form tin sulfide and for a time sufficient to volatilize the same from the ore undergoing treatment.

2,570,474
FISH LURE
Emil Nevitsky, Detroit, Mich.
Application October 16, 1945, Serial No. 622,538
1 Claim. (Cl. 43—42.5)



A fish lure comprising an elongated pointed convexo-concave body of minnow-shaped outline with a pair of tail portions projecting outwardly and rearwardly from the rearward end thereof and angled in the same directions relatively to said body, a hook attached to the rearward end of said body between said tail portions, and a connection for attaching a line to the forward end of said body, said body being of shallow dished configuration with a depth of curvature which is relatively small in proportion to the width and radius of curvature of said body, said body and said tail portions merging smoothly into one another with a substantially continuous and uninterrupted curved surface extending thereover, said tail portions being of dished formation and having a smaller radius of curvature than the transverse radius of curvature of said body.

2,570,475
HOTEL TELEVISION SYSTEM
Warren J. Oestreicher, Brooklyn, Sidney Lids, New York, and Sava Jacobson, Brooklyn, N. Y.
Application June 28, 1949, Serial No. 101,762
8 Claims. (Cl. 178—5.8)



1. In a television distribution system, a number of master receiving means adapted to receive different channels, a corresponding number of amplifying means for raising the sound level to an extent required for distribution, a number of separating means connected in parallel to said amplifying means; said amplifying means comprising an amplifying stage having an anode circuit and a cathode follower stage controlled by said anode circuit, the input circuit of said amplifying stage being controlled by the master receiving means; level comparing means controlled by said input circuit and said separating means, and a number of groups of distributing means, each group being connected to one of said separating means, and sub-receiving means connected to each of said distributing means.

8. In a system according to claim 1 wherein said master receiving means include a radio frequency stage and a detuned cathode follower type stage controlling said radio frequency stage so as to permit passage of sound to said radio frequency stage, at least one intermediate frequency stage, a limiter, a discriminator, a second detector stage; sound monitoring means; at least another intermediate frequency stage, another second detector stage; video monitoring means; and automatic gain control means controlling the input circuit of at least one of the intermediate frequency stages and also the output circuit of the radio frequency stage; said intermediate frequency stage, limiter, discriminator and first-mentioned second detector stage being connected to said sound monitoring means, and said radio frequency stage being connected over said other intermediate frequency stage, said other second detector stage to said video monitoring means, and wherein the input circuit of said video monitoring means controls in addition to the video monitoring means, said automatic gain control means; said automatic gain control means including an amplifier stage having a grid controlled by a rectified component of the video monitoring input circuit and also a pair of auxiliary electrodes operative as anodes for clipping off undesired noise signals; a limiting stage; the main anode of said amplifier stage, in addition to being connected to the grid circuit of said intermediate frequency stage and the anode circuit of the radio frequency stage being also connected to said limiting stage, said automatic gain control amplifier stage having a cathode resistance adjustable for contrast control.

2,570,476
WIRE COATING COMPOSITION
Emil H. Olson, Muskegon, Mich., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
No Drawing. Application February 15, 1949, Serial No. 76,661
3 Claims. (Cl. 106—187)

1. A wire coating composition that sets by gelation without substantial solvent evaporation at a temperature of about 65° F. consisting essentially of a cellulose ester of at least one aliphatic acid containing from 2 to 4 carbon atoms dissolved in a solvent composed essentially of 15% to 30% of a lower monohydroxy alkanol, 50% to 60% of one of a group made up of benzene and its methyl homologues, and 10% to 30% of a lower dialkyl ketone, the amount of said ester in relation to the solvent being sufficient to impart to the lacquer a viscosity in the range from 600 to 1500 centipoises at 100° F. but being not less than 12% by weight of the composition.

2,570,477
HOSE COUPLING
Joseph N. Paquin, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application March 31, 1948, Serial No. 18,102
7 Claims. (Cl. 285—84)



5. A hose-end comprising a tubular member adapted for insertion within a hose and a sleeve about the member adapted to compressively engage the member and the hose, the sleeve comprising a hose-receiving portion and a non-circular portion for application of a wrench, the material of the non-circular portion being doubled back to provide two layers, and a conical flange directed inwardly from the inner layer at the end of the circular portion, the said flange providing a stop for the hose to contain the hose within the hose-receiving portion.

2,570,478

VINYLIDENE CHLORIDE INTERPOLYMER AS A COATING FOR REGENERATED CELLULOSE FILM

Gilbert Field, Eggertsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 29, 1948, Serial No. 39,512
4 Claims. (Cl. 260—78.5)

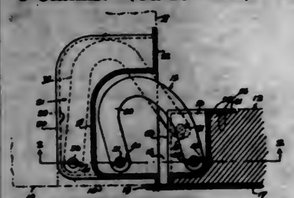
1. A moistureproof, heat-sealable wrapping tissue comprising regenerated cellulose film having a self-anchored coating comprising essentially a copolymer obtained by polymerizing a mixture of 0.5–25% of itaconic acid, 3–40% of at least one polymerizable compound from the group consisting of acrylonitrile, alkyl esters of acrylic and methacrylic acids having from 1 to 18 carbon atoms in the alkyl group, phenyl methacrylate, cyclohexyl methacrylate, p-cyclohexylphenyl methacrylate, methacrylonitrile, methyl vinyl ketone, and vinyl chloride and 35–96.5% of vinylidene chloride, the proportions being selected to total 100%.

2,570,479

HINGE

Richard B. Pellman, Detroit, Mich.

Application January 3, 1947, Serial No. 719,951
5 Claims. (Cl. 16—164)



1. A concealed hinge for a closure for a wall opening comprising a wall hinge support having two spaced wall pivots stationarily mounted thereon, a closure hinge support having two spaced closure pivots stationarily mounted thereon, and a pair of links, each of said links pivotally interconnecting one of said wall pivots and one of said closure pivots, one of said closure pivots being positioned to swing on a longer radius from its corresponding wall pivot than the other closure pivot, said closure pivots being aligned with one of said wall pivots when said closure is swung into an open position parallel with its closed position.

2,570,480

PURIFICATION OF TRIARYL PHOSPHATES

Donald F. Penta, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application June 20, 1949, Serial No. 100,209
4 Claims. (Cl. 260—461)

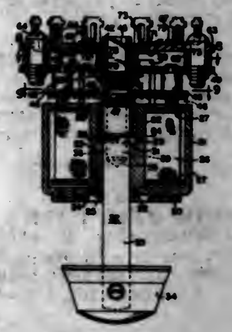
1. A method of separating triaryl phosphates from the impurities normally incident to their manufacture from the corresponding phenols and phosphorus oxychloride which comprises dispersing the crude molten triarylphosphate in water at a temperature sufficient to maintain the compound molten and containing a small proportion of an emulsifying agent, cooling the resulting dispersion to a temperature below the solidification temperature of the compound until the compound separates from the suspension as solid phase, and separating the solidified product from the cooled suspension.

2,570,481

SWITCH CONSTRUCTION

Charles H. Priesmeyer, Park Ridge, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application September 28, 1946, Serial No. 700,149
10 Claims. (Cl. 175—375)



6. A control circuit comprising a plurality of identical switches, each of said switches comprising a plurality of fixed contacts, a movable contact means for establishing a circuit between some of said fixed contacts in one position thereof and for breaking the circuit between said latter fixed contacts in another position thereof, a solenoid coil associated with said switch, an armature associated with said solenoid coil, means for biasing the armature away from the solenoid coil, said coil being operative when energized by current of sufficient value flowing therethrough to overcome said biasing means and move the armature toward said solenoid coil, a rotatable shaft coupled with said movable contact means, means tending to rotate said shaft in one direction, manual means for rotating the shaft in the opposite direction, cooperating means on said armature and said shaft for locking said shaft against rotation when the shaft is manually turned in said opposite direction, said locking means being rendered ineffective upon said energization of said armature, whereby said means tending to rotate said shaft in said one direction is rendered effective, means associated with each of said switches for energizing the coils of the other switches in said circuit to unlock any that are in a locked position during movement of the shaft of any of said switches in said opposite direction, said last means comprising other of said fixed contacts on each of said switches, and means associated with each of said switches connecting said latter contacts to a source of power and to said solenoid coil of a respective switch, said movable contact means of each switch establishing a circuit in the solenoid coils of the other switches and then breaking said circuit as the shaft of said one switch is rotated manually in said opposite direction.

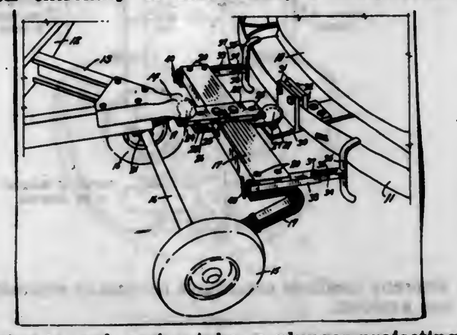
2,570,482

FRONT WHEEL DOLLY FOR TRAILERS

George E. Pruitt, Arvada, Colo.

Application June 30, 1949, Serial No. 102,297
1 Claim. (Cl. 280—33.4)

A trailer dolly for attachment to the bumper of a tow car comprising: an axle; a ground-engaging wheel at each extremity of said axle; leaf springs extending upwardly and forwardly from the extremities of said axle; a transverse beam secured at its extremities to said springs and extending therebetween forwardly of and above said axle; a trailer plate mounted on the top of said beam at the middle thereof and extending rearwardly therefrom; a trailer coupling ball on said plate; a tow car plate secured below said beam and below said trailer plate and extending forwardly therefrom; a ball socket mounted on the forward extremity of said tow car plate; a spring tube mounted on and extending forwardly from each extremity of said beam; a compression



spring in each spring tube; a plunger projecting forwardly from each spring tube and bearing against one of said springs; a vertically extending T-head on the forward extremity of each plunger and a spring-adjusting screw threaded through the rear extremity of each of said tubes for moving said spring forwardly to bring said T-head into contact with the bumper of the tow car.

2,570,483

THREAD-CUTTING TOOL

Russell C. Pullen, Los Angeles, Calif., assignor to Mimita A. Cogliandro, Los Angeles, Calif.

Application May 7, 1948, Serial No. 25,727
4 Claims. (Cl. 29—98)



1. A thread cutting tool comprising: a shank; a tool holder pivotally mounted at one end of the shank for displacement to an equal extent on opposite sides of a center line; a rod extending through a longitudinal bore in said shank from the end thereof; a cam mounted at the opposite end of said rod and engaging with said tool holder at a point spaced from the pivotal axis thereof, rocking of said rod being effective to cause said cam to pivotally move said tool holder; means mounted at the rear end of the rod by which it may be rocked about its longitudinal axis; and means for limiting the extent of the movement of said latter means.

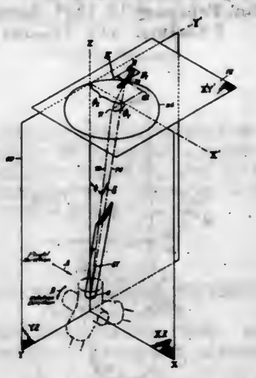
2,570,484

VARIABLE PITCH PROPELLER

Paul J. Quinn, South Orange, N. J.

Application April 29, 1948, Serial No. 23,909
2 Claims. (Cl. 170—160.57)

1. In a variable pitch propeller comprising a hub, a socket on said hub for the support of a blade, said socket containing a bearing having an axis intersecting a hub radius in the plane of hub rotation at a point spaced outwardly on said radius from the hub center, and said bearing axis being sloped forwardly from said radius in the direction of flight and being sloped rotationally in advance of said radius, the angle of the bearing axis with said radius being of the order of 5 to 15 degrees, a blade supported by said bearing and extending outwardly from said hub, the neutral axis of said blade intersecting said hub radius at its intersection with said bearing axis, the blade neutral axis being angled relative to the bearing axis by an angle of the order of 5 to 15 degrees, said blade being mounted for free swinging in said bearing in a conic path about said



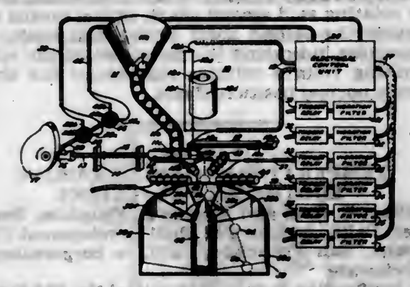
bearing axis, means to limit the free swinging of said blade to an angular range of the order of 15 degrees between minimum and maximum pitch positions of the blade, said range being the operating pitch range of the blade, said blade axis, when the blade is in a median pitch position, lying forward of the plane of rotation of the hub radius toward the direction of flight and lying in a rotationally trailing position relative to said hub radius.

2,570,485

ELECTRICAL SORTING SYSTEM

Frank Rieber, New York, N. Y., assignor to Interval Instruments, Inc., New York, N. Y., a corporation of New York

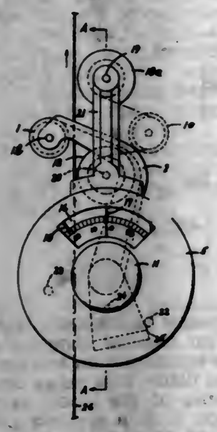
Application June 24, 1946, Serial No. 678,715
11 Claims. (Cl. 209—82)



2. An electrical system for statistically sorting a plurality of similar objects differing in a predetermined physical dimension within given limits comprising: a gauge including an element movable in response to the physical dimension of an object to be gauged; means for feeding objects in succession to said gauge and ejecting them therefrom; means for developing a periodic signal including an element responsive to movement of said gauging element for varying the frequency of the developed signal; a fixed-tuned filter circuit energized by said developed signal and effective to pass said signal within a limited frequency range; and actuating means controlled by

the signal passed by said filter circuit for determining the course of an object ejected from said gauge.

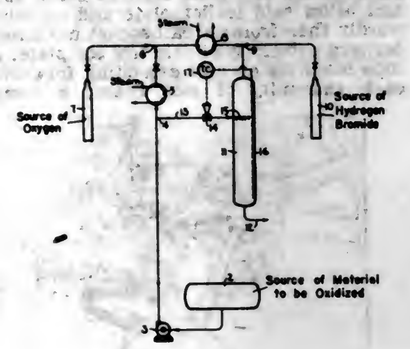
2,570,486
DEFLECTION TENSIOMETER
Ingham S. Roberts, Ridley Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 12, 1947, Serial No. 728,097
7 Claims. (Cl. 73—144)



1. A tensiometer for measuring the tension in a strand comprising supporting means, two thread guiding means supported rotatably thereon about spaced parallel axes, a shaft parallel to said axes and rotatably mounted in said supporting means, an arm fixed on the shaft and having thread guiding means on its outer end, means carried by the supporting means for indicating at least one determined position of the latter thread guiding means relative to the two former thread guiding means, a second shaft carried by the supporting means coaxially related to the first shaft, means for rotating said second shaft, spring means connecting the second shaft to the first shaft, and means for indicating the deflection of the spring resulting from a relative rotation of the shafts from a normal position of rest.

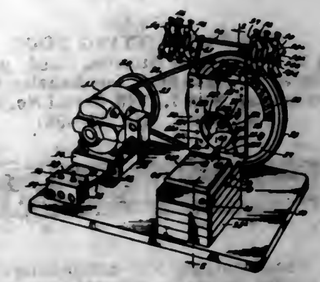
2,570,487
TEMPERATURE CONTROL DURING EXOTHERMIC REACTIONS
William E. Ross and Eugene B. Fountain, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 9, 1946, Serial No. 682,210
2 Claims. (Cl. 260—610)

1. In a process for the controlled oxidation of isobutane in the presence of hydrogen bromide to produce tertiary butyl peroxides, wherein gaseous isobutane, molecular oxygen, and a catalytic amount of hydrogen bromide as the only catalyst are mixed and the gaseous mixture is passed into and caused to react in a confined reaction zone devoid of packing and having a high ratio of free space to surface area at an elevated temperature, the improvement which comprises separately spraying into said reaction zone containing the reacting gaseous mixture a regulated minor amount of liquid isobutane and vaporizing the introduced liquid isobutane in said reaction zone in contact with the reacting gaseous mixture,



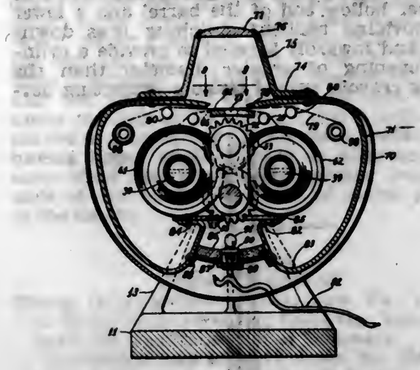
whereby localized conditions leading to explosions are avoided.

2,570,488
ENGINE ACCESSORY TESTING METHOD AND APPARATUS
Benjamin Rosett, Chicago, Ill., assignor to Joseph Weidenhoff, Inc., a corporation of Illinois
Application June 10, 1947, Serial No. 753,623
17 Claims. (Cl. 175—183)



9. Apparatus of the character described for testing a magneto having a rotatable shaft member, including: a rotatable member having a pair of oppositely spaced spark pins mounted thereon; a second member having an adjustable indicating portion of conducting material insulated from said rotatable member and adjacent which said spark pins pass; means for flange mounting said magneto adjacent said rotatable member, such means comprising a plate having an opening for said shaft member and a plurality of equally spaced mounting holes adjacent said opening; adjustable means for base mounting said magneto adjacent said rotatable member, such means comprising a base member having a pair of supporting rods spaced from each other and extending transversely across its upper surface and trunnion members extending outwardly from opposite sides of said base member between said rods, a mounting table having a cammed surface adapted to cooperate with said supporting rods, adjustable means for securing said table in a desired position on said base member, and a yoke adapted to cooperate with said trunnion members for securing said magneto to said table; means for driving said rotatable member; and coupling means connecting said rotatable member and said magneto shaft.

2,570,489
COMPARATOR
Norris S. Ryder, Chicago, Ill.
Application January 5, 1946, Serial No. 639,261
2 Claims. (Cl. 40—95)



1. A device of the class and for the purposes described comprising a support, a body secured thereto and providing a viewing aperture along the top portion thereof, chart winding and unwinding mandrels rotatably secured to the body, a supporting plate carried by the body below the aperture, a chart mounted on said mandrels and trained over said supporting plate, other chart winding and unwinding mandrels rotatably supported in said body, a second chart mounted on said other mandrels and trained over said first chart over said supporting plate, said second chart having a plurality of elliptical openings formed therein adapted to register with indicia on said first chart, said supporting plate having an elliptical opening therein adapted for registration with the elliptical openings formed in said first chart, and illuminating means within said body beneath said supporting plate.

2,570,490
WIRE COATING COMPOSITION
Harry L. Saums, Muskegon, Mich., assignor to Anaconda Wire and Cable Company, a corporation of Delaware
No Drawing. Application February 15, 1949, Serial No. 76,670
2 Claims. (Cl. 106—187)

1. A wire coating composition that sets by gelation composed essentially of a cellulose ester of with at least one aliphatic acid containing from 2 to 4 carbon atoms dissolved in a solvent composed essentially of 15% to 30% by weight of a lower monohydroxy alkanol, 50% to 60% by weight of one of a group made up of benzene and its methyl homologues, and 10% to 30% by weight of a lower alkyl ketone, said ester constituting 12% to 15% by weight of the composition and the composition having a viscosity of 600 to 1500 centipoises at 100° F. and forming, without substantial solvent evaporation, a non-flowing gel at 65° F., characterized in that silica of colloidal fineness is incorporated in the composition, the amount of said silica being from 0.25% to 10% by weight of the cellulose ester and the maximum particle size of the silica being 50 millimicrons.

2,570,491
TOILET TISSUE CABINET
Anthony J. Scardina, Chicago, Ill.
Application March 23, 1950, Serial No. 151,445
6 Claims. (Cl. 242—55.2)

1. A bathroom accessory comprising a cabinet having a door hinged at the bottom and adapted to swing out to occupy a horizontal position in front of the cabinet, and a toilet tissue installation carried in a position of access when the door is so positioned, said installation comprising an

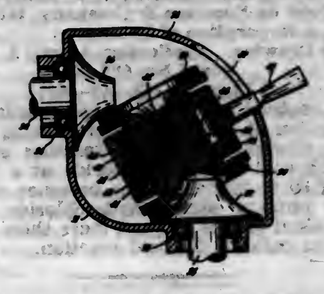


upstanding member around which the roll of tissue is adapted to be mounted, a retaining member positioned over said roll, and tie means between said member and the door to secure the installation to the latter.

2,570,492
DRILLING FLUIDS AND METHODS OF USING SAME
Virgil Scarth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application February 17, 1949, Serial No. 77,054
33 Claims. (Cl. 252—8.5)

1. A water base well drilling mud comprising, in combination, sufficient water to maintain the mud as a fluid, sufficient clayey material to form a filter cake on the wall of the well, and a water soluble ethyl sulfoethyl cellulose selected from the group consisting of ethyl sulfoethyl cellulose and the water soluble salts thereof in an amount sufficient to reduce the water loss due to filtration through said filter cake without increasing the viscosity of said well drilling mud to such an extent that it cannot be circulated.

2,570,493
FRICTION GEARING WITH AN ADJUSTABLE GEARING RATIO
Lambertus-Willem Schmidt, The Hague, Netherlands
Application April 4, 1946, Serial No. 659,609
In the Netherlands January 4, 1946
4 Claims. (Cl. 74—193)



1. A friction gearing with an adjustable gearing radio having two pairs of friction members, each pair comprising a friction cone with a concave friction surface and a friction ring in engagement therewith, the contacting friction surfaces being correspondingly shaped in axial cross-section in the arc of a circle, in combination with a casing in which coaxially coupled holders for the friction rings are rotatably supported, said casing being swingable about an

axis, the center line of which is directed at right angles to the plane which contains the axes of rotation of all the friction members, said center line coinciding with the centers of the curvatures of the lines of contact of the contacting friction surfaces, said holders for the friction rings being movable axially with a limited component of movement with relation to each other, and a compression spring interposed between said holders to keep each friction ring pressed into engagement with its complementary friction cone.

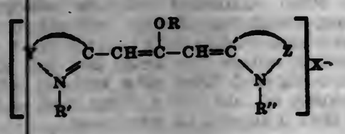
2,570,494

SUPERSENSITIZED SILVER HALIDE EMULSIONS CONTAINING A MESO-ALKOXYL SUBSTITUTED CARBOCYANINE AND A 2,2' CYANINE

Marcel Adam Schouwenaars, Edegem-Antwerp, Leo Arnold Van de Straete, Mortsel-Antwerp, and Oscar Hendrik Van den Broele, Wilrijk-Antwerp, Belgium, assignors to Gevaert Photo-Producten N. V., Mortsel-Antwerp, Belgium, a company of Belgium

No Drawing. Application July 21, 1947, Serial No. 762,534. In Germany December 31, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 31, 1963
2 Claims. (Cl. 95—7)

2. A light-sensitive photographic silver halide emulsion containing a dyestuff selected from the group consisting of meso-alkoxyl substituted symmetrical and unsymmetrical carbocyanines of the following general formula:



wherein Y and Z are non-metallic atoms necessary to complete a heterocyclic N-containing nucleus, R, R' and R'' are alkyl, and X is an acid residue, and a 2,2'-cyanine in order to obtain a supersensitizing effect.

2,570,495

PRODUCTION OF ORGANIC CHLORIDES

Norman D. Scott, Sanbern, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 8, 1946, Serial No. 689,189
3 Claims. (Cl. 260—657)

1. A method of producing an organic chloride by reaction of hydrogen chloride with a monohydric alcohol, comprising reacting said alcohol with said hydrogen chloride at a temperature of 60 to 200° C. in the presence of an aliphatic tertiary amine hydrochloride each of whose alkyl groups has not more than 6 carbon atoms as catalyst for said reaction.

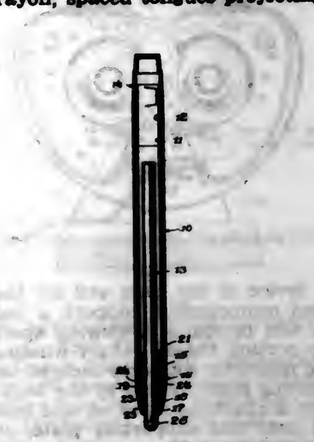
2,570,496

CHINA MARKING PENCIL

Ernest H. Selbert, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois

Application February 15, 1950, Serial No. 144,235
2 Claims. (Cl. 120—21)

2. A marking pencil consisting of a hollow barrel open at its opposite ends for the reception of a length of marking crayon and threaded at its lower end, a threaded tip adapted to be mounted on the threaded end of the barrel, a longitudinally split, tubular member comprising a sheet of thin resilient metal bent to form a split sleeve having an upper cylindrical part press-fitted into the lower hollow end of the barrel and a lower part providing resilient clutching jaws downwardly and inwardly tapered to provide a cylindrical opening of greater diameter than the marking crayon, spaced tongues projecting outwardly from the exterior of the tubular member for anchoring said member against longitudinal movement and camming surfaces on the interior of the lower end of the tip and encompassing the resilient clutching jaws whereby when the tip is screwed onto the barrel the camming surfaces engage and force the jaws into gripping engagement with the crayon and the crayon held fixedly yet yieldably in marking position.

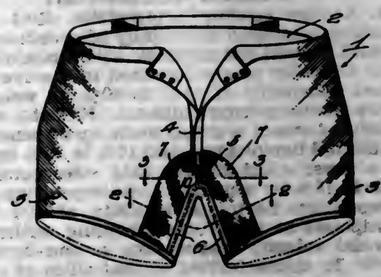


2,570,497

UNDERGARMENT

Morris H. Senderowitz, Allentown, Pa., assignor to Royal Manufacturing Company, Inc., Allentown, Pa., a corporation of Delaware

Application July 12, 1949, Serial No. 104,191
1 Claim. (Cl. 2—225)



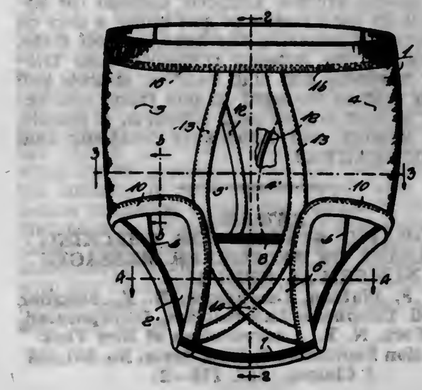
A garment comprising a body having legs and a front opening bordered by a fly, the legs having inner side seams meeting at their upper ends and intersected by a seam extending downwardly from the fly, and a facing for the inner side portions of the legs forwardly of the inner side seams and the portion of the front of the body under the fly, said facing consisting of sheets of absorbent fabric disposed flat against inner surfaces of the legs forwardly of the inner side seams and sewed along their side edges and having their inner side edges engaged in the inner side seams of the legs, the upper portion of each fabric sheet being upwardly tapered and formed with upwardly converging diagonally extending inner and outer side edges intersecting midway the width of the sheet, the inner side edges of the said tapered upper portions of the sheets being straight cut and sewed together between meeting ends of the inner side seams of the legs and the lower end of the fly with portions overlapped by the lower portion of the fly, and the outer side edges of the said tapered upper portions of the sheets being longitudinally curved to provide outwardly bowed arcuate edges having upper ends disposed in alignment with each other and lower ends merging into upper ends of the outer side edges of major portions of the sheets.

2,570,498

UNDERGARMENT

Morris H. Senderowitz, Allentown, Pa., assignor to Royal Manufacturing Company, Inc., Allentown, Pa., a corporation of Delaware

Application July 12, 1949, Serial No. 104,192
1 Claim. (Cl. 2—224)



An undergarment comprising front sections, a rear section and a crotch section, the crotch section being sewed across its front and rear edges to the lower ends of the front and rear sections, respectively, and together with the said front and rear sections defining leg openings, a waist band secured along the upper edge of the garment, the front sections having their front side edge portions overlapped between the front edge of the crotch section and the waistband and free for the major portion of their length from their lower ends to provide an opening and a closure flap, fabric reinforcing tapes sewed to the outer faces of the front sections and the crotch section and extending vertically along the said front sections in laterally spaced relation at opposite sides of the overlapped portions thereof in downwardly diverging relation to each other between the waistband and the front end of the crotch section and then extending downwardly along the crotch section diagonally towards and in crossed relation to each other with their lower end portions diverging and terminating at the corners of the rear edge of the crotch, and fabric binding for the edges of the leg openings having portions secured in overlapping engagement with portions of the reinforcing strips along connected edges of the front sections and the crotch section.

2,570,499

STARCH TITANIUM REACTION PRODUCT

Frank K. Signaigo, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 27, 1946, Serial No. 665,626
1 Claim. (Cl. 260—233.3)

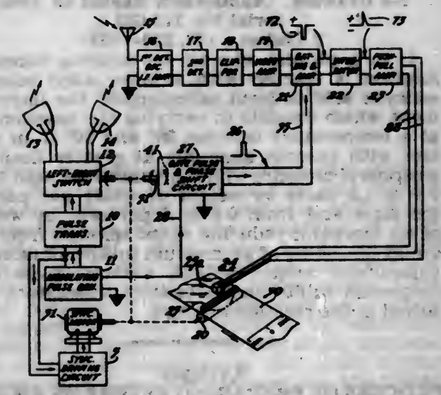
A method of preparing a water-insensitive titanated starch product which consists in directly reacting starch with an aqueous solution of a reactive compound of titanium selected from the group consisting of a water-soluble sulfate and hydrous titanium oxide, effecting said reaction at from room to 175° C. temperature, and employing the reactants in such concentration that the resulting product contains from 1–25 parts by weight of titanium, calculated as TiO_2, per 100 parts by weight of starch.

2,570,500

RADAR SYSTEM WITH GATING AND SYNCHRONIZED RECORDER

John P. Smith, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 29, 1945, Serial No. 631,722
8 Claims. (Cl. 343—13)



1. In combination, a radar system comprising means for radiating a periodically modulated radio wave to a reflecting object and means for receiving said wave after reflection from said object, gating means for making said receiving means pass only the waves reflected from an object a predetermined distance from said radar system, recording apparatus for recording the waves passed by said receiving means, said recording apparatus including means for scanning a recording surface by an effective recording contact point which is actuated by the waves passed by said receiving means, means for operating said gating means and said recorder scanning means in synchronism, and means for maintaining said scanning means in synchronism with said periodic modulation.

2,570,501

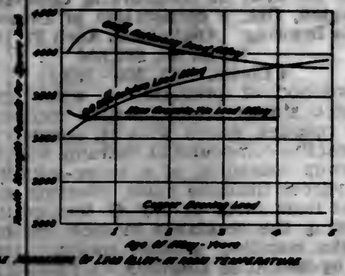
CREEP-RESISTANT LEAD BASE ALLOYS

Clermont J. Snyder, Hastings on Hudson, N. Y., assignor to Anaconda Wire and Cable Company, a corporation of Delaware

Application May 1, 1946, Serial No. 666,461
4 Claims. (Cl. 75—166)

1. A lead base alloy composed of 0.02% to 1% arsenic, 0.01% to 1% of a metal of the group con-

sisting of tin, cadmium and zinc, and the balance lead, characterized in that the arsenic is present in solid solution in the lead, said alloy having an indicated creep rate less than about 0.05% per year when subjected to a stress of 250 pounds per square inch at room temperature and being insensitive to age-hardening.

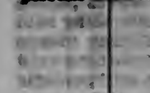


2,570,502
PREPARATION OF SALICYLAMIDE
William R. Surine, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application August 26, 1949, Serial No. 112,639
8 Claims. (Cl. 260—559)

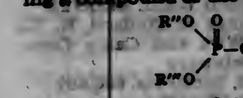
1. In a process wherein an aqueous ammonia solution is reacted with a lower alkyl ester of salicylic acid to form salicylamide, the improvement which consists in carrying the reaction out at a temperature between 30° and 70° C. in contact with gaseous ammonia at greater than atmospheric pressure while in admixture with from 0.5 to 1.5 parts by weight of water per part of the ester and from 0.2 to 5 per cent by weight of an inorganic reducing agent selected from the group consisting of ammonium sulfite, ammonium thiosulfate, sodium sulfite, sodium thiosulfate, potassium sulfite and potassium thiosulfate dissolved in the reaction mixture.

2,570,503
PROCESS OF PREPARING ESTERS OF AMINE-SUBSTITUTED PHOSPHONIC ACIDS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 11, 1949, Serial No. 92,739
5 Claims. (Cl. 260—461)

1. The process which comprises effecting addition reaction of a compound chosen from the class consisting of primary and secondary aliphatic saturated amines with an ester of ethenephosphonic acid having the formula

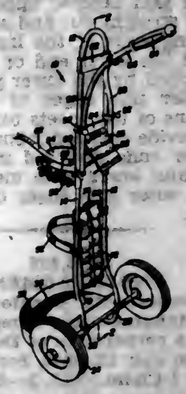


where R'' and R''' are selected from the class consisting of alkyl, aryl, alkaryl and aralkyl groups under anhydrous conditions and thereby forming a compound of the type formula



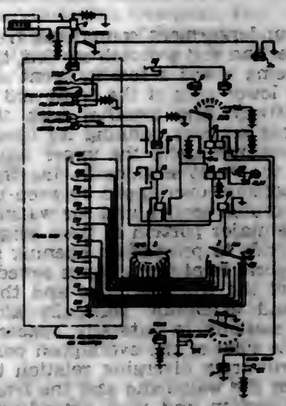
where R is selected from the class consisting of hydrogen and alkyl groups, R' is an alkyl group, and R'' and R''' are as before.

2,570,504
GOLF CLUB BUGGY
Kenneth J. Van House, Burien, Wash.
Application June 24, 1949, Serial No. 101,126
3 Claims. (Cl. 280—53)



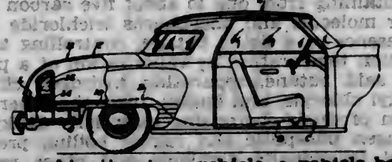
1. A golf club bag stand comprising a wheeled frame, spaced arcuate supports thereon for engagement by the handles of golf clubs, a tray on said frame for receiving the heads of golf clubs, fasteners on one support resiliently and frictionally retaining golf club handles, arcuate ball receiving frames mounted on said frame and extending within one of said supports, a handle, clamps slidably and adjustably retaining said handle on said frame.

2,570,505
AUTOMATIC SYSTEM FOR CHECKING RECEIPT OF TELEGRAPH MESSAGES IN NUMERICAL ORDER
Edward F. Watson, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 9, 1943, Serial No. 501,853
6 Claims. (Cl. 178—2)



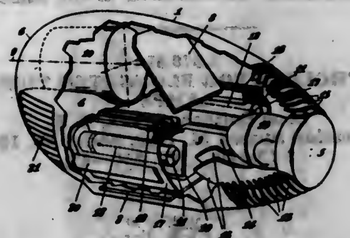
4. In a telegraph system for transmission and reception of permutation codes wherein said codes include a case shift code, a selector selectively responsive to all said incoming codes, end-of-message mechanism for performing a switching operation, means for actuating said mechanism in response to the reception of more than three identical case shift codes received in sequence independently of what code or codes preceded them, means actuated by any code other than said case shift codes interposed therebetween, and inhibiting means responsive to the actuation of said last-named means to prevent the performing of said switching operation.

2,570,506
FILLER SPOUT PROTECTIVE AND SEALING ARRANGEMENT FOR VEHICLE LUGGAGE COMPARTMENTS
Albert J. Weatherhead, Jr., Shaker Heights, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1949, Serial No. 81,046
3 Claims. (Cl. 296—37)



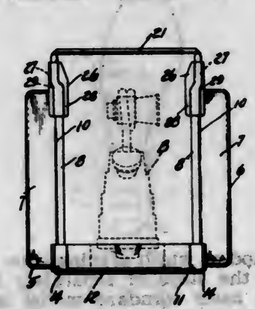
1. In combination in a vehicle, a vehicle body having formed therein a luggage compartment having a luggage confining and supporting wall and a lid, a fuel tank carried by said vehicle outside said compartment, an aperture in the wall of said compartment, a filler spout extending from said fuel tank and through said aperture, conduit means for surrounding said spout, said conduit means being in fluid-tight engagement with the wall of said compartment and with said lid when the lid is closed to seal the filler spout from the interior of the compartment, said conduit means including a yielding section to facilitate maintenance of said fluid-tight seal with the lid closed, vent means in said body leading from the atmosphere to the interior of said conduit means with the lid closed, and a lock for the lid of said compartment to prevent unauthorized access to said filler spout.

2,570,507
EPISCOPIC PROJECTOR
Gianni Andreoli, Emmen, Switzerland
Application October 19, 1949, Serial No. 122,173
In Switzerland March 22, 1949
3 Claims. (Cl. 88—24)



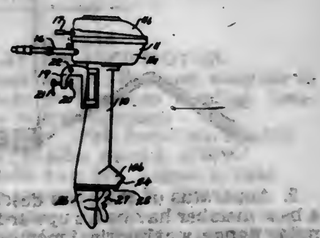
1. An episcope for projecting images such as photographs, pictures and the like comprising a housing, a blower enclosed within the housing, and at least one air duct, means whereby the image to be projected by said episcope is inserted in the air duct, said duct having a free opening below which the image is inserted and, through which opening the light rays are reflected from the image, a reversing mirror in the housing, upon which said light rays are projected, as a cone, an objective in the housing, through and/out of which said rays are projected, an illumination system with two illuminating lamps being arranged at two opposite sides of the image opening, reflectors enclosing said lamps on three sides so as to reflect the light rays on the image through the cooling current of air, the blower being disposed behind the image opening at the axis of the apparatus and blowing fresh air from behind the apparatus over the image, and an outlet of the housing situated below the objective for cooling the interior of the apparatus.

2,570,508
GRILLE UNIT AND CARRYING CASE FOR PORTABLE STOVES
Bertrand B. Balkema, Newport, Mich., assignor to Travelers Equipment Co., Grand Rapids, Mich.
Application July 1, 1948, Serial No. 36,536
3 Claims. (Cl. 126—9)



1. In a portable cooking stove, a pair of relatively flat casing sections having side flanges provided with ribbed edge portions, said casing sections being adapted when separated to form the side walls of a stove, a base having upturned ends provided with depressed portions of channel section for receiving the ribbed edges at the lower portions of said casing sections, a grille for supporting utensils adapted to be removably affixed to the upper edges of said casing sections, and connecting members on the grille having channel-shaped recesses for receiving the ribbed edge portions of the casing sections.

2,570,509
OUTBOARD MOTOR UNDERWATER EXHAUST VALVE
John C. Bandli, Minneapolis, Minn., assignor to Scott-Atwater Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application April 18, 1949, Serial No. 88,117
3 Claims. (Cl. 115—17)



1. An outboard motor structure having in combination, a cylinder from which exhaust gases pass, a casing having an exhaust passage extending therethrough connected to said cylinder, said casing extending downwardly and having a

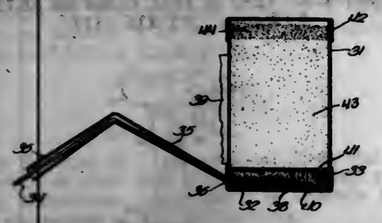
terminal discharge opening at its lower end disposed well below the surface of the water when said motor is in operative position, a valve comprising a resilient sheet secured to said casing at one side of said opening and adapted to close said opening, said valve normally being held closed by its resiliency but adapted to be opened by the exhaust of said motor.

2,570,510
METHOD FOR WIDTH GRADING SHOE LASTS
William M. Biddle, St. Louis, Mo., assignor to Vulcan Corporation, Cincinnati, Ohio, a corporation of Ohio
Application December 10, 1948, Serial No. 64,658
1 Claim. (Cl. 144—309)



The method of width grading shoe lasts which consists in the steps of separately forming by hand three basic standard model lasts of one width series of model lasts, each of the basic model lasts being identical in length measurement and having widths graded two sizes removed from the width size of the next adjacent basic standard model last, next turning two model lasts from each of said basic standard model lasts, one of said model lasts being graded to have the next preceding width size in the said width series, and the other of said model lasts having the succeeding width size in the said width series to thereby provide a complete width series of model lasts in one length size, and then turning a complete series of length graded lasts from each of the said model lasts of the width series.

2,570,511
APPARATUS FOR DISTRIBUTING INSECTICIDES OR POLLEN
Robert E. Blair, Wenatchee, Wash.
Application May 22, 1946, Serial No. 671,607
6 Claims. (Cl. 47—1)



2. Apparatus of the class described comprising a base member having an upwardly extending annular flange, a cylindrical member secured to said base member, a diaphragm disc within said member dividing the interior into an upper dust chamber and a lower chamber for a charge of explosive material, aligned openings in said cylindrical member and said flange of said base member, a fuse extending through said aligned openings, the inner end of said fuse terminating within said lower chamber.

2,570,512
MANUFACTURE OF DIALKYL HYDROGEN PHOSPHITES
Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 26, 1949, Serial No. 83,759
7 Claims. (Cl. 260—461)

1. A process for producing a dialkyl hydrogen phosphite which comprises reacting an alkanol containing from one to about five carbon atoms per molecule and phosphorus trichloride in the presence of a liquid butane, controlling the reaction temperature by vaporization of a portion of said butane, separating hydrogen chloride, alkyl chloride, and butane from the other reaction products comprising essentially dialkyl hydrogen phosphite and higher boiling products, and fractionally distilling said other reaction products to recover substantially pure dialkyl hydrogen phosphite.

2,570,513
MODIFIED PHENOLIC RESINS
Herman S. Bloch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 30, 1948, Serial No. 18,072
5 Claims. (Cl. 260—59)

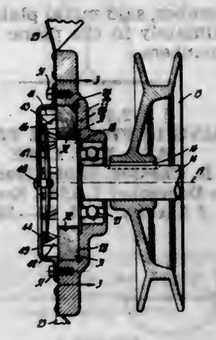
1. A process for the production of a resinous product which comprises reacting a mixture of mono- and poly-alkenyl and alkapolyenyl phenols with a carbonyl compound selected from the group consisting of the aldehydes and ketones in the presence of an acidic condensation catalyst at a temperature of from about 25° C. to about 200° C. and in the molecular ratio of said carbonyl compound to said phenols of from about 0.5 to about 2, said phenols being the condensation product of a hydroxy aromatic compound containing at least three substitutable nuclear hydrogen atoms with a mixture of cyclic polyolefinic hydrocarbons having conjugated and non-conjugated unsaturation in the same molecule.

2,570,514
LAMPHOLDER FOR ELONGATED TUBULAR LAMPS
Leon Boltuch, Bronx, N. Y.
Application August 21, 1950, Serial No. 180,629
2 Claims. (Cl. 240—51)



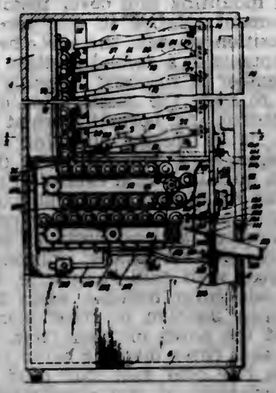
1. A fluorescent discharge tube lighting fixture comprising a canopy having a cut-out portion, a lamp holder having a front face having at least one lamp receiving passage and a rear face having a recess and depressions communicating with the recess and receiving conducting elements, an insulating plate in the recess and covering the depressions, a bracket disposed against the plate, and means securing the bracket and plate to the lampholder, the bracket having a pair of resilient metal prongs entering said cut-out portion, each of said prongs being bowed outwardly beyond the recess and the edge of the cut-out portion entering the space between the bowed portion and the holder.

2,570,515
JAMMING ROLLER CLUTCH
Walter R. Bonham, Palo Alto, Calif.
Application November 26, 1948, Serial No. 62,109
5 Claims. (Cl. 192—41)



1. A jamming roller clutch comprising a driving member arranged to rotate about a main axis, a driven member arranged to rotate about said axis, rollers carried by said driven member and rotatable about secondary axes parallel to said main axis between a first position free from said driving member and a second position engaging said driving member, eccentric cam projections extending axially from said rollers, and means movable axially in engagement with said projections for rotating said rollers about said secondary axes.

2,570,516
BOTTLE VENDING MACHINE
Wade W. Bowman, Dallas, Tex.
Application May 3, 1946, Serial No. 667,102
13 Claims. (Cl. 312—46)



1. In a bottle dispensing machine in combination means for maintaining a column of necked bottles lying on their sides one above the other, means for successively removing the lowermost bottle in the column for dispensing, the bottles above it moving by gravity toward the point of removal, a member bearing against the necks of the bottles and means carried by said members for imparting a varying restraint to gravity movement at the neck ends of the bottles in the moving column to maintain the bottles moving generally like regular cylindrical objects on such support.

2,570,517
OVEN DOOR CONSTRUCTION
Lynmar Brock, Philadelphia, Pa.
Application March 24, 1947, Serial No. 736,859, which is a division of application Serial No. 642,455, January 21, 1946. Divided and this application December 10, 1947, Serial No. 792,803
1 Claim. (Cl. 126—190)

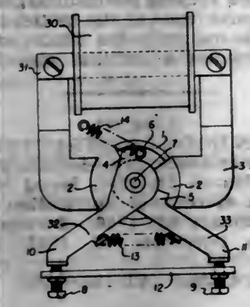


In an oven door, walls forming a door space, vertical grooves on either side of the door space facing toward one another, and extending both above and below the door space, doors positioned one above another and in one position extending in front of and closing the door space, interlocking connections between the top of the lower door and the bottom of the upper door, a rib extending outwardly along each side of each door, into the adjoining door groove and narrower than the groove to permit the door to move frontwardly and backwardly, diagonally downwardly extending notches at the rear edge of each groove respectively above and below the door opening, and a pin extending outwardly on each side of each door, entering the adjacent groove and adapted to move into one of the notches.

2,570,518
OSCILLATING STEP MOTOR
Ernest Alfred Bryan, Bexley, England, assignor to Siemens Brothers & Company Limited, London, England, a British company
Application August 6, 1947, Serial No. 766,794
In Great Britain April 5, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires April 5, 1966
11 Claims. (Cl. 172—36)

1. In an electric motor, a stator, a rotor having a single normal position and a single operated position, means for energizing said stator to thereby exert on said rotor a torque to cause movement of the rotor from said normal position

to said operated position, magnetic poles on said rotor having pole faces which are substantially isosceles trapezoidal in shape, the leading edge



of each face constituting the shorter side and the trailing edge the longer side of the two parallel sides of the face.

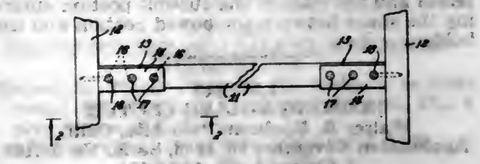
2,570,519
WINDOW SASH
Henry D. Burgess, Burlingame, Calif.
Application September 23, 1946, Serial No. 698,682
1 Claim. (Cl. 189—76)



A window sash comprising an inner frame, an outer frame, a plurality of spaced, continuous pane-holding members on said inner frame running in one direction, a plurality of spaced, non-continuous pane-holding members on said inner frame intersecting the continuous pane-holding members to divide the frame into a plurality of openings, laterally extending tongues on all of said pane-holding members, panes in said openings, a plurality of spaced, continuous pane-holding members on said outer frame running in one direction, and a plurality of spaced, non-continuous pane-holding members removably mounted on said outer frame and intersecting said plurality of spaced, continuous pane-holding members on said outer frame to divide the outer frame into a plurality of openings in alignment with the openings of said inner frame; all of said pane-holding members on said outer frame having grooves therein for receiving said lateral extending tongues on the pane-holding members of said inner frame.

2,570,520
TONGUED ASSEMBLY AND FITTING THEREFOR
William M. Bushnell, Chicago, Ill.
Application May 4, 1948, Serial No. 24,981
4 Claims. (Cl. 20—92)

1. An assembly of the class described comprising two elongated members, one of which extends crosswise of and is engaged sidewise against the end of the other member and has said other member abutting endwise against the side thereof, a metal plate secured to the side of said abutting member adjacent the juncture of the two members and lying in a plane which extends lengthwise of both members, and a fastener which is disposed obliquely to the longitudinal axis of the abutting member and extends obliquely through said metal plate and is embedded in said



crosswise member, said metal plate having an end face approximately in the plane of the juncture of the two members.

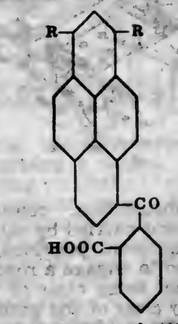
2,570,521
MEASURING DEVICE FOR TEA, COFFEE, AND THE LIKE
Frank R. Chester, Santa Monica, Calif.
Application December 7, 1946, Serial No. 714,723
2 Claims. (Cl. 99—323)



1. A device of the class described comprising a substantially spoon-shaped perforated receptacle having a laterally projecting peripheral flange, a handle portion of uniform width throughout the length thereof projecting from said receptacle in the plane of said flange, a longitudinally disposed reinforcing guide rib on said handle, one extremity of said rib extending downwardly into said receptacle, the opposed extremity of said rib terminating short of the outer extremity of said handle, a cover member of inverted spoon-shape having a laterally projecting peripheral flange complementary to said first-mentioned flange and adapted to rest upon said flange of said receptacle, a lateral extension on said cover member overlying said handle portion and provided with downwardly and inwardly extending flanges embracing the longitudinal edges of said handle portion and mounting said cover member for sliding movement relative to said receptacle from a first position wherein the cover member closes said receptacle to a second position wherein the cover member is disposed laterally of said receptacle to open the same, said cover member being resilient and normally flexed downwardly with the flange thereof engaging the flange of said receptacle, a longitudinally disposed upstruck rib on said lateral extension engaging the reinforcing rib of said handle portion and guiding the movement of said cover member on said handle member, and an upstruck stop bead on said handle portion located adjacent the juncture thereof with said receptacle and engageable by said cover member when the latter is slid to open position to resist complete withdrawal of the cover member from said handle member, said cover member being yieldably upwardly to ride over said stop bead and permit sliding movement of said cover member beyond said open position in response to a longitudinal force of sufficient magnitude applied thereto to allow complete separation of said cover member and handle portion.

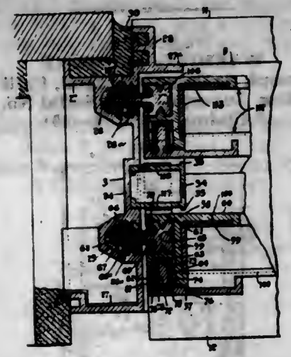
2,570,522
NEW PYRENE CONDENSATION PRODUCTS AND THEIR MANUFACTURE
Eric Clar, Glasgow, Scotland, assignor to Petrocarbon Limited, London, England
No Drawing. Application July 31, 1950, Serial No. 176,920. In Great Britain August 16, 1949
12 Claims. (Cl. 260—517)

11. A new di(ortho-carboxybenzoyl) pyrene having the formula:



wherein one of the R substituents represents o-carboxybenzoyl while the other R represents hydrogen.

2,570,523
WINDOW
Edouard Clerk, St. Hilaire, Quebec, Canada
Application July 25, 1947, Serial No. 763,558
3 Claims. (Cl. 189—65)



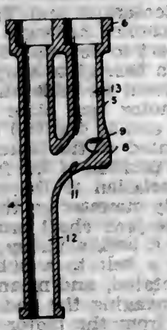
1. A window assembly comprising a window frame, upper and lower sashes slidable in said frame, each side rail of each sash being provided with a vertical groove extending the full length of said rail and opposed to a vertical sash guiding channel formed in the adjacent jamb of the window frame, sash guiding strips fitted in the grooves of each sash and provided with sash guiding projections slidably fitted in the opposing sash guiding channels of the window frame, each strip and its sash guiding projection being divided horizontally into upper and lower sections to facilitate removal and insertion of said strips, a pair of upper and lower pulleys secured to an intermediate portion of each jamb of the window frame, a pair of upper and lower flexible elements, the upper flexible elements being trained around the upper pulleys located at the opposite sides of the window frame and having corresponding ends thereof anchored to the upper extremities of the upper sections of the sash guiding strips carried by the upper sash, the remaining extremities of said upper flexible elements being anchored to the upper extremities of the upper sections of the sash guiding strips carried by the lower sash, the lower flexible elements being trained around the lower pulleys located at opposite sides of the window frame and having corresponding ends thereof secured to the lower extremities of the sash guiding strips carried by the upper sash, the remaining ends of the said lower flexible elements being secured to the lower extremities of the sash guiding strips carried by the lower sash frame.

2,570,524
PIE AND CAKE PAN
Minnie Clough, Kansas City, Mo.
Application January 3, 1949, Serial No. 68,892
2 Claims. (Cl. 99—429)



1. A pie and cake pan of the character described comprising, two complementary members connected with each other at the pan rim for rotary movement about the center of the pan as the axis, each of said members having circular bottoms one resting on the other in covering relation thereto, the uppermost bottom having an aperture at the axis thereof, pivot means secured to the lowermost bottom at the axis of the members and extending through said aperture for separably connecting the bottoms for relative rotary movement, a collar on the pivot means spaced from the bottom of the upper member, and knife means having a keyhole aperture removably engaged on said pivot means between the collar and upper member bottom for retaining the bottoms in engagement whereby removal of said knife means permits bodily separation of the members, said knife means engaging the bottom and rotatable about the pivot means for separating articles from the pan.

2,570,525
DUAL TAP T FOR BATHTUBS SET BACK TO BACK
William J. Collison, Bakersfield, Calif.
Application September 19, 1949, Serial No. 116,549
1 Claim. (Cl. 285—210)



In a soil pipe fitting, a sanitary member having a relatively long section and a relatively short

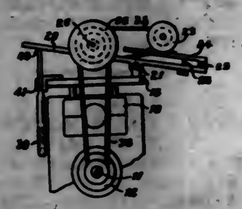
section extending for the greater part of its length parallel to the long section, said short section being of a length substantially one-half of the long section and merging into the long section intermediate its ends by a reverse curve, the curved portion of the short section having a thickened portion forming a nose projecting away from the long section with its vertical median plane coinciding with the plane of the axes of said sections, said nose having a pair of openings leading from the surface of the nose to the interior of the said bend, the axes of said openings radiating from the axis of the short section at equal acute angles from the plane of the axes of the sections.

2,570,526
TEXTILE
Ralph E. Cone, Augusta, Ga., assignor to Riverside Mills, Augusta, Ga., a corporation of Georgia
Application April 17, 1946, Serial No. 662,837
11 Claims. (Cl. 154—53.6)



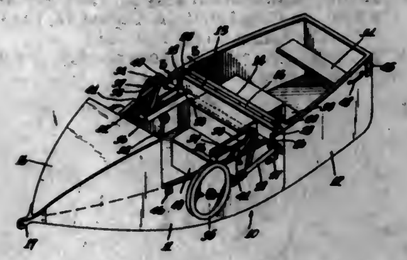
1. An article of manufacture comprising a textile filament helically arranged with successive convolutions substantially contacting one another in the form of a substantially flat tube and a filament extending through said tube and adhesively joined thereto to maintain said tube in substantially flat condition, said tube having an internal perimeter substantially greater than the perimeter of the filament extending therethrough.

2,570,527
BELT LOOSENING AND TIGHTENING DEVICE
Arthur L. Dahl, Vancouver, British Columbia, Canada
Application January 4, 1949, Serial No. 69,107
2 Claims. (Cl. 74—242.15)



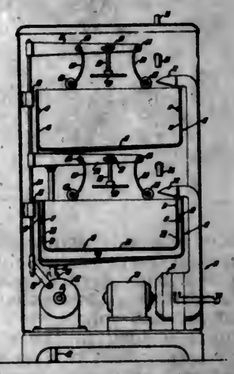
1. A belt loosening and tightening arrangement for a machine having a shaft carried by a suitable support to be rotated by a motor, comprising a main base plate adapted to be hingedly mounted between its ends on a support of the machine, a motor base plate hingedly mounted adjacent one end at one end of the main plate, a motor mounted on the motor plate, means for adjusting the position of the free end of the motor plate in relation to the main plate, a jack shaft rotatably mounted on the main base plate, pulleys on the jack shaft and the motor shaft connected by a belt, a pulley on the jack shaft connected by a belt to a pulley on a machine shaft to be rotated, and means on the machine support for engaging the end of the main base plate remote from the motor to move said end to tighten or loosen the belt between the jack and machine shaft pulleys.

2,570,528
TRAILER BOAT CONSTRUCTION
Casper A. Davis, Warren, Ohio
Application March 11, 1947, Serial No. 733,785
4 Claims. (Cl. 9—1)



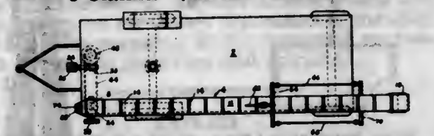
3. A boat construction, comprising: body means; wheel means carried by said body means and movable to different positions, in one position being adapted to engage a road surface, and in another position being clear of the road surface and generally clear of the water in the event the boat is in water, said wheel means comprising wheel supporting members, axle means extending transversely of said body means and connected to said wheel supporting members, and brace means connecting said axle means and said wheel supporting members, said brace means being bent to provide portions engageable with the top surface of respective sides of said body when said wheel means is in road engaging position.

2,570,529
WASHING MACHINE
Joseph A. Dolan, Oakland, Calif.
Application August 9, 1948, Serial No. 43,231
6 Claims. (Cl. 68—20)



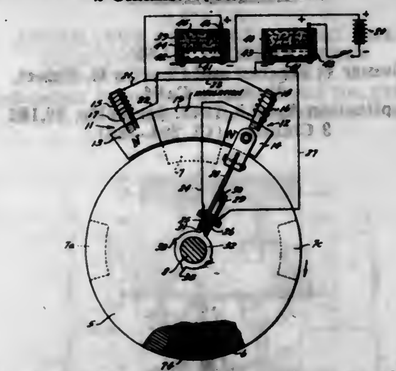
3. A plunger type washing machine comprising a housing, a perforate clothes receptacle supported therein, a reciprocable plunger operable to agitate a body of clothes or the like and water in said receptacle to launder and rinse the clothes during a washing cycle and a rinsing cycle, pairs of spaced, resilient members disposed on opposite sides of said plunger and supported for vertical reciprocation, a roller supported by each pair of said resilient members, rotatable about its horizontal longitudinal axis and operable upon reciprocation of its supporting resilient members, and upon contact with a body of clothes in said receptacle to apply rolling pressure to said clothes, said resilient members being curved with their convex surfaces facing said plunger, and an electric heater operable to circulate heated air through said receptacle during the drying cycle.

2,570,530
FARM WAGON WITH CONTINUOUS CONVEYER
William Domitrovic, Canonsburg, Pa.
Application June 25, 1948, Serial No. 35,267
5 Claims. (Cl. 214—83.26)



1. In material handling apparatus, the combination comprising a wagon, a shaft mounted on and extending vertically of said wagon, a yoke mounted for rotation about said shaft, a horizontal shaft rotatably supported by said yoke, a roll mounted on said horizontal shaft, a frame extending outwardly from said horizontal shaft and pivotal about its axis, a roll mounted at the outer end of said frame, an endless conveyor belt trained over said rolls for delivering materials to and from said wagon during loading and unloading operations, a driving member mounted on said yoke in axial alignment with said horizontal shaft for rotating said first named roll, a driving shaft arranged parallel to said horizontal shaft and mounted for rotation with said yoke so that the parallel relation is maintained at all times, a pair of bevel gears in meshing engagement and mounted respectively on said vertical shaft and driving shaft for imparting rotation to said driving shaft, and a driving connection between said driving shaft and driving member.

2,570,531
MAGNETICALLY OPERATED MOTOR
John J. Drury, Troy, Ohio
Application November 5, 1947, Serial No. 784,237
2 Claims. (Cl. 172—36)

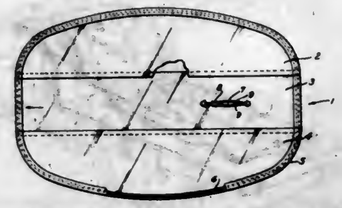


1. In a magnetic motor, a rotor comprising a non-magnetic rotatable body and a plurality of circumferentially spaced armatures secured to the peripheral portion of said body, each of said armatures comprising a series of laminations of soft iron each lying in a plane substantially perpendicular to the direction of travel of the armature, two electromagnets supported adjacent the path of rotation of said armatures and spaced apart circumferentially of said rotor a distance approximating the length of the individual armatures, each of said magnets including a magnetizing coil, said coils being connected in parallel with a source of current, and means controlled by the rotation of said rotor for disconnecting that one of said magnetizing coils which is second in the direction of rotation of said rotor from said source of current, and for thereafter connecting said second magnetizing coil with said source of current when said armature has moved to a predetermined position with relation to said second magnet.

2,570,532
ALUMINUM HYDROXIDE-MAGNESIUM PHOSPHATE PHARMACEUTICAL COMPOSITION, METHOD THEREFOR, AND THIXOTROPY THEREOF
Harry Eisenberg, Benjamin Wilson Allan, and Reuben Roseman, Baltimore, Md., assignors of three-ninths to said Eisenberg, three-ninths to said Allan, and three-ninths to Benjamin Gaboff, all of Baltimore, Md.
No Drawing. Application September 5, 1947, Serial No. 772,466
10 Claims. (Cl. 167—55)

1. A pharmaceutical antacid preparation of original starting material comprising 4–8 per cent aluminum hydroxide gel and 2–8 per cent magnesium phosphate.

2,570,533
UNIVERSAL AUTOMOBILE COVER
Charles F. Elliott, Fairfax, Va.
Application June 6, 1949, Serial No. 97,421
4 Claims. (Cl. 150—52)

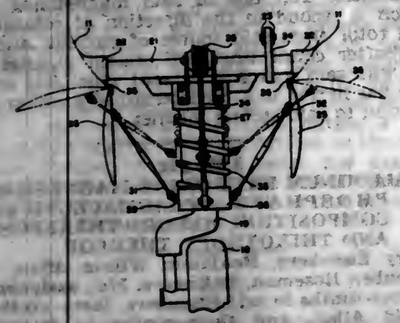


1. A protective cover that may be quickly disposed in snugly fitting relation over streamlined automobiles of various body types and overall dimensions and readily removed therefrom comprising a generally elliptical sheet of thermoplastic, transparent material having an axially disposed slit at one end thereof for receiving the radiator ornament of an automobile therein and having a marginal hem for disposition about the lower edge portions of an automobile body, elongated elastic means disposed within said hem for snugly gathering the marginal portions of said cover about the lower edge portions of said automobile body and an elongated tensioned member disposable transversely upon said cover when in position over said automobile body and means carried by the ends of said member and engageable with said lower edge portions for maintaining said cover in snugly fitting relation with said body.

2,570,534
AERODYNAMIC TRIM MEANS
Frank Erny, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application November 29, 1946, Serial No. 712,863
9 Claims. (Cl. 244—42)

3. In an airplane having a well in the fuselage thereof for receiving a retractable landing gear, a pair of doors hinged to the fuselage at the sides of said well, means for operating the doors to closed positions upon retraction of the landing

gear and to substantially upright open positions upon extension of the landing gear, and pilot operable means for operating the doors independently of landing gear movement from said substantially open positions to further open positions in which they extend laterally from the fuselage to constitute auxiliary airfoils.



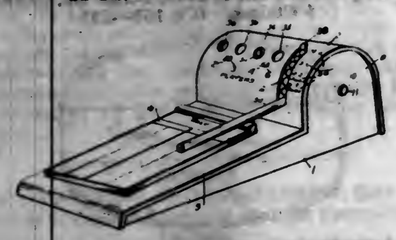
2,570,535

INDICATING DEVICE FOR INDICATING THE NEXT DEALER IN A CARD GAME

Arthur F. Faber, Erie, and Carter D. Ellis, Fairview Township, Erie County, Pa.

Application February 14, 1948, Serial No. 8,484

14 Claims. (Cl. 116—133)



1. An indicating device for indicating the next dealer in a card game comprising an arcuate shaped casing having longitudinally spaced windows, a drum rotatably mounted in said casing having spaced, circumferentially aligned indicia in alignment with said windows, said drum having circumferentially spaced marginal grooves on one end thereof adapted to be engaged by an elongated member to rotate same, a spring-urged disk frictionally engaging a portion of the end of said drum, and a brake shoe for engaging a portion of said disk, said disk being movable away from said brake shoe by said elongated member upon engaging a groove on the end of said drum whereby said drum may be rotated a predetermined amount to selectively expose predetermined indicia in said windows.

2,570,536

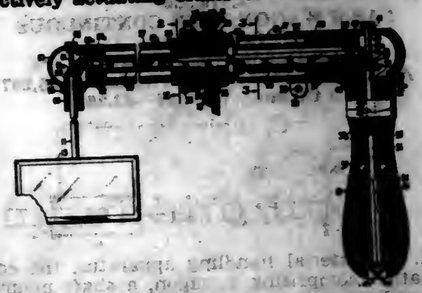
REMOTELY ADJUSTABLE REARVIEW MIRROR

James R. Fellabaum, Marion, Ohio

Application September 9, 1949, Serial No. 114,793

10 Claims. (Cl. 248—279)

1. A rear view mirror comprising a main supporting arm mounted for rotation about its own axis, a radially extending mirror-carrying arm on the outer end of said supporting arm, a handle on the inner end of said main supporting arm by means of which it may be rotated about its own axis, said main supporting arm being composed of telescoping sections, mechanism for extending or withdrawing said sections, mechanism carried by said main supporting arm for rotating said mirror-carrying arm about its axis, a clutch for selectively actuating either of said mechanisms,



said handle being composed of a plurality of relatively movable sections, one of said sections serving to control the clutch upon proper movement thereof and the other of said sections serving upon movement thereof to actuate the selected mechanism.

2,570,537

PREPARATIONS FOR USE IN AGRICULTURE AND HORTICULTURE

Eric George Finch, Sandhurst, England

No Drawing. Application June 27, 1949, Serial No. 101,635. In Great Britain June 30, 1948

2 Claims. (Cl. 71—2.5)

1. A process for producing colloidal humus for use in horticulture and agriculture consisting in passing a composite solution containing a salt of alginic acid, inorganic plant food substances and plant growth hormones through a bed containing peat which has been inoculated with soil bacteria, collecting the fluid drained from the bed, precipitating said fluid in a bath of soluble calcium salt, straining the precipitate, removing residual fluid therefrom and drying the product so obtained.

2,570,538

FISHING GAFF

Blumer V. Fincher and Charles H. Hulett, Alameda, Calif.

Application April 8, 1949, Serial No. 86,182

9 Claims. (Cl. 294—26)



1. A fishing gaff comprising; a handle provided with a longitudinal bore, and a gaff having a shank retractable into and projectable from said bore; manually releasable means for locking said gaff in retracted and projected positions, and means for angularly adjusting said gaff during projecting and retracting movements; said shank being slidable in said bore; said manually releasable means comprising two recesses formed in spaced relation in the respective sides of the shank, and a spring retracted slide member operating transversely to the axis of said shank and having a button for thumb depression of the slide, with the slide engaging in the respective recesses when the gaff is projected and retracted.

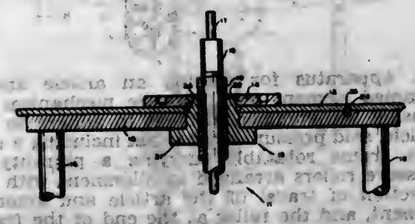
2,570,539

MOVEMENT TO DIAL ATTACHMENT FOR CLOCKS

Arno W. Fowler, Highland, Ill., assignor to C. J. Hug Co., Inc., Highland, Ill., a corporation of Indiana

Application August 9, 1947, Serial No. 767,722

1 Claim. (Cl. 58—127)



An attachment for connecting a clock movement having a pillar plate to a clock dial comprising a hollow bushing passing through holes in said pillar plate and dial and having an external flange, and a nut threaded onto said bushing for clamping said dial and pillar plate between said nut and said external flange, said hollow bushing acting as a sleeve bearing for shafts extending from said movement.

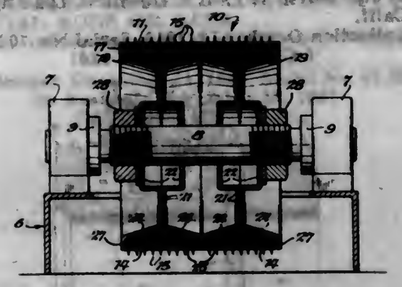
2,570,540

APPARATUS FOR INCREASING THE TRACTION OF VEHICLE TIRES

Harry W. Furnald, Buffalo, N. Y.

Application January 17, 1950, Serial No. 139,102

2 Claims. (Cl. 164—99)



1. In a device for increasing the traction of vehicle tires, a roller for rolling contact with a tire, including a pair of cylindrical peripheral shells arranged end to end in alinement with each other and provided with perforations arranged in rows extending crosswise of the shells, a plurality of cleats comprising metal plates having pointed projections extending substantially perpendicular to a face thereof and arranged within each of said shells with their projections extending through said perforations, a spring band within each of said shells for holding said cleats in their operative relations to the shells, a rubber ring for each shell and arranged within said spring band and pressing the spring band toward the inner faces of said cleats, a pair of annular disks for each cylindrical shell, said disks having rim portions engaging said rubber ring and being slidable endwise of said shells from opposite ends thereof into engagement with said rubber ring, the rim portions of the outer disk of each pair having a radially outwardly extending flange, the outer edge of which extends into engagement with the outer edge of a shell, to confine said shell, cleats, spring band and rubber ring against endwise displacement relatively to the roller, the flanges of the rim portions of the inner disks of each pair being of lesser diameter than the flanges of said outer disks and supporting the adjacent ends of said shells against radial deflection and a rotatably mounted axle to which said disks are secured against endwise displacement relatively to each other.

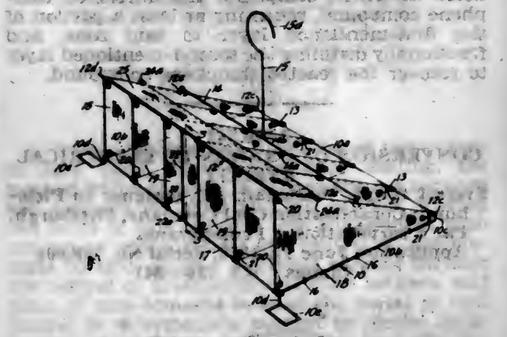
2,570,541

GRASS DISTRIBUTING DEVICE FOR LAWN MOWERS

Arthur A. Gabrielson, Minneapolis, Minn.

Application June 22, 1949, Serial No. 100,625

15 Claims. (Cl. 56—199)



1. A device of the class described having in combination, a frame adapted to be connected to a lawn mower, which mower has a rotatable cutter, a pair of end members and a plurality of spaced members disposed therebetween, said members being of sheet material carried by said frame and disposed in a plane substantially perpendicular to the axis of said cutter, the spaces between said members being unobstructed at their upper ends and said members being arranged to be engaged by the cuttings of grass from said cutter for causing a substantially uniform distribution of the cuttings transversely of said cutter.

2,570,542

PHOSPHORIC ACID CATALYZED THIOPHENE ALKYLATION AND GRAVITY SEPARATION OF RESULTANT PRODUCTS

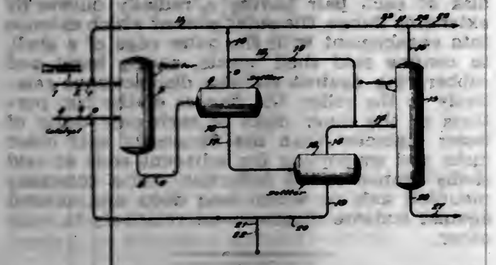
Curtis W. Gerald, Riverside, and George R. Donaldson, Brookfield, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application March 12, 1947, Serial No. 734,160

4 Claims. (Cl. 260—329)

1. In the art of reacting a thiophene compound having at least one replaceable hydrogen atom bound to the thiophene ring, wherein said hy-

drogen atom is replaced by a hydrocarbon radical and the reaction effected in the presence of a liquid condensation catalyst which is substantially immiscible with hydrocarbons and thiophene and which consists essentially of 85% phosphoric acid, the method of resolving the catalyst-containing reaction mixture from the zone of reaction which comprises subjecting said mixture, prior to distillation thereof, to an initial incomplete gravity settling for a time sufficient to form a catalyst phase and a phase predominating



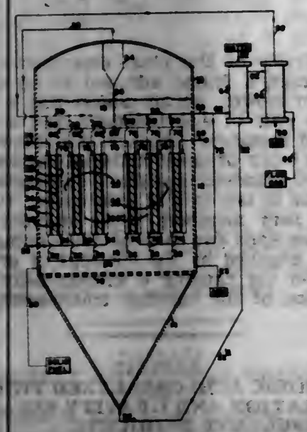
in unreacted thiophene compound, returning at least a portion of the last-named phase to said zone of reaction, subjecting said catalyst phase to further gravity settling for a time sufficient to separate the same into a layer of increased catalyst concentration and a layer containing reacted thiophene compound and unreacted thiophene compound, returning at least a portion of the first-mentioned layer to said zone, and fractionally distilling the second-mentioned layer to recover the reacted thiophene compound.

2,570,543

CONVERSION OF CARBON TO ELECTRICAL ENERGY

Everett Gorin, Whitehall, Pa., assignor to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 17, 1950, Serial No. 168,806
7 Claims. (Cl. 136—84)



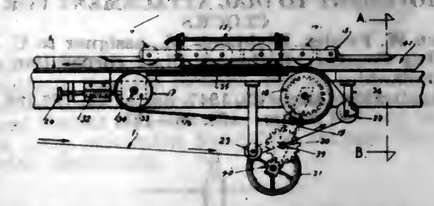
1. The method of converting carbon to electrical energy which comprises reacting steam and carbon in a gasification zone under conditions conducive to the formation of a gaseous product containing principally CO and H_2, circulating said gaseous product and an oxidising gas separately through an electrochemical reaction zone at an elevated temperature whereby said gaseous product is oxidised and its heat of combustion is converted in part to electrical energy, maintaining the temperature of said electrochemical zone by the heat of combustion of said gaseous product above that required to react steam and carbon, conducting the electrochemical reaction in heat exchange relation with said gasification zone to thereby provide heat for the steam-carbon reaction, and recovering the electrical energy produced.

2,570,544

GUMMING MACHINE

José Pelaez Guerra, Habana, Cuba

Application December 23, 1946, Serial No. 718,054
In Cuba April 11, 1946
2 Claims. (Cl. 216—20)



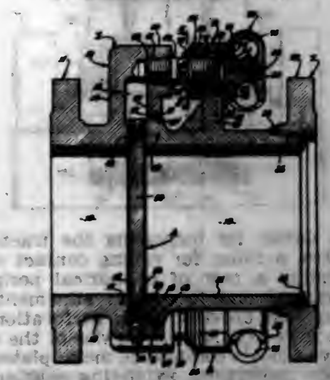
1. Apparatus for feeding an article and a gummed element past pressure mechanism for causing the gummed element to adhere to the article, said pressure mechanism including a unitary frame rotatably carrying a plurality of pressure rollers arranged in alignment with the direction of travel of the article and gummed element, and the roller at the end of the frame toward which the article and gummed element travel being of reduced diameter relative to the other rollers, and a freely pivoted swinging supporting framework connected to said unitary frame, said swinging framework pivoted on an axis parallel to the direction of travel of the article and gummed element at points laterally disposed relative to said path of travel, said framework having freedom of swinging movement in following the surface contour of the article and gummed element as they pass in contact with the pressure rollers.

2,570,545

PIPE JOINT

Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.

Application October 16, 1946, Serial No. 703,511
6 Claims. (Cl. 285—130)



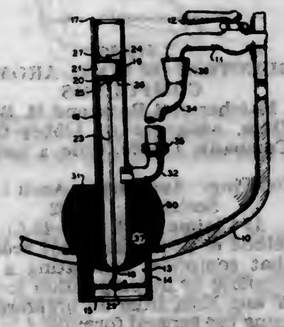
1. A structure coupling two relatively movable tubular sections including a plurality of circumferentially spaced connections between the sections operable to move the sections together or apart and each including a stud fixed to one section and projecting longitudinally of the sections and toward the other section, a lug projecting laterally from the other section and having a plain bore therethrough coaxial with the stud, a sleeve extending through the bore and threaded on the stud, the sleeve being freely rotatable in the bore, a head on one end of the sleeve at one side of the lug, and a collar on the other end of the sleeve at the other side of the lug.

2,570,546

DRAIN CLEANER

Roswell W. Hamlett, Durham, N. C.

Application March 23, 1950, Serial No. 151,345
6 Claims. (Cl. 285—44)



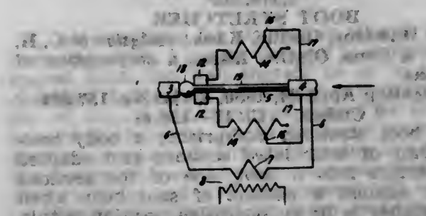
1. A drain cleaner comprising in combination a seal for a drain having a passage for water therethrough with an inlet adjacent its upper portion and a restricted discharge from its lower portion into the drain to be cleaned, a source of water supply into said inlet, an anchor for engaging said drain, and pressure responsive structure for increasing the force on said anchor in proportion to the pressure of the water in said passage with the flow of water from said restricted discharge serving to enter the drain and exert pressure therein to dislodge stoppage.

2,570,547

METHOD OF AND APPARATUS FOR ELECTRICALLY HEATING AND UPSETTING METAL RODS OR BARS

Merrill Oliver Hanna, East Malvern, Victoria, Australia

Application December 11, 1948, Serial No. 64,883
In Australia December 18, 1947
7 Claims. (Cl. 219—3)



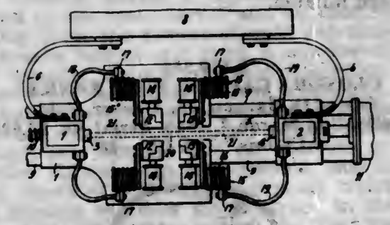
1. In the heating and upsetting of metal rods or bars using electric resistance heating, the method which consists in placing the rod between end contacts on head and tail saddles, moving side contacts into engagement with the rod at a point close to the head saddle end while the tail saddle end remains free, passing heavy low voltage current through the end portion of the rod between the head saddle contact and the side contacts to heat the metal of said end portion to plastic state, moving one of the saddles inwardly under applied pressure to cause the plastic metal to flow or be upset to bulbous form, simultaneously giving the remaining body portion of the rod between the side contacts and the tail saddle contact a slow heating by causing a portion of the current to leak through said body portion while the end portion is being heated and upset, and finally withdrawing the side contacts from engagement with the rod to allow the full current to pass through the whole length of the rod to heat the entire rod for a succeeding operation.

2,570,548

METHOD OF AND APPARATUS FOR ELECTRICALLY HEATING AND UPSETTING RODS OR BARS

Merrill Oliver Hanna, East Malvern, Victoria, Australia

Application December 11, 1948, Serial No. 64,884
In Australia December 18, 1947
8 Claims. (Cl. 219—3)



1. In the heating and upsetting of metal rods or bars using electric resistance heating, the method which consists in placing the rod between end contacts on head and tail saddles, moving two pairs of side contacts into engagement with the rod on opposite sides of a central or intermediate portion, passing electrical current through the central or intermediate portion between said pairs of side contacts to heat the metal of said central or intermediate portion to plastic state, moving at least one of the saddles inwardly under applied pressure to cause the plastic metal to flow or be upset to bulbous form, simultaneously giving the remaining end portions of the rod between the end contacts and the side contacts a slow heating by causing a portion of the current to leak through said end portions while the central or intermediate portion is being heated and upset, and finally withdrawing the side contacts from engagement with the rod to allow the full current to pass through the whole length of the rod to heat the entire rod.

2,570,549

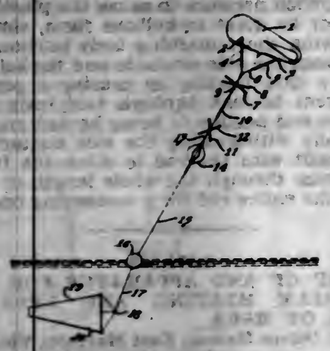
RADIO REFLECTOR MARKER

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 18, 1947, Serial No. 742,305
4 Claims. (Cl. 343—18)

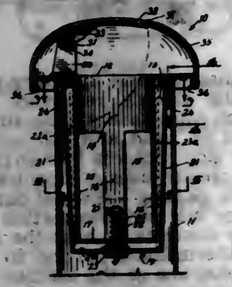
1. A radar balloon reflector comprising a balloon having a mooring line secured thereto, a plurality of metallic reflectors secured to said balloon and said mooring line, said reflectors being arranged in a row and disposed at different angular positions with respect to adjacent reflectors, a float secured to said mooring line to support said balloon and reflectors above the

surface of a body of water to receive radiant energy waves of any polarization from and reflect the same in any direction, inflating means on said float comprising an automatic balloon



inflator having attached thereto a water soluble band which releases gas to inflate the balloon, and a second soluble band secured to said balloon and float which releases the balloon after it has been inflated.

2,570,550
CLOSURE CAP FOR FUEL TANKS
Oliver D. Hanson, Jr., Denver, Colo.
Application March 7, 1949, Serial No. 80,023
2 Claims. (Cl. 220—86)



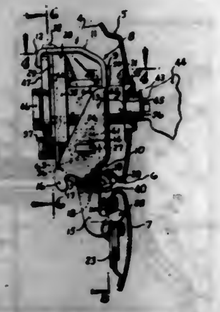
1. An attachment for a filler neck on a gasoline tank, the filler neck being of the type having an inturned flange at its upper end with a reentrant rim at the inner edge of the flange, comprising: an annular plate adapted to rest on the outside surface of the flange, a cylindrical tube having its upper open end connected to the inner edge of the plate adapted to project downwardly into the neck, the tube being cup-shaped and having a transverse base at its lower end, the base having angularly spaced apertures therein to form a spider between the apertures, the spider having radially extending legs, the side wall of the tube having longitudinally extending angularly spaced apertures therein aligned at their lower ends with the apertures in the base forming legs therebetween which connect at their lower ends with outer ends of the radially extending legs of the spider, the apertures in the side walls providing conduits through which gasoline may flow laterally toward the filler neck and thence downwardly into the tank, a U-shaped member having a bight portion spaced below the spider and a pair of locking legs extending upwardly adjacent the tube, the upper free ends of the locking legs terminating outwardly of the rim and adapted to abut the lower surface of the flange, the locking legs being resiliently urged outwardly by their connection with the bight portion, a screw extending through the central portion of the spider having an enlarged head disposed in spaced relation above the spider, the lower end of the screw threadedly engaging the bight portion, and a spring disposed between the head and the upper surface of the spider urging the screw upwardly, whereby the free ends of the locking legs are resiliently urged upwardly, and closure means connected to the plate, the construction being such that when the attachment is inserted into the filler neck to a position where the plate rests on the flange and a downward pressure is applied to the head of the screw, the free ends of the U-shaped member are forced downwardly beneath the reentrant rim and spring outwardly, release of pressure on the head of the screw permitting the free ends of the legs to resiliently engage the lower surface of the flange.

2,570,551
PRODUCTION OF VINYL AROMATIC COMPOUNDS
David B. Hatcher and Raymond H. Bunnell, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 1, 1950, Serial No. 153,502
19 Claims. (Cl. 260—46.5)

1. A method of producing vinyl aromatic compounds that comprises generating a vinyl aromatic compound by decomposition to remove the radicals Y and X_3Si from an organosilicon compound having the general formula

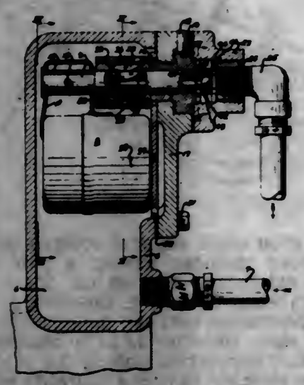
$$X_3Si-A-R-B-SiX_3$$
$$\quad\quad\quad

2,570,556
COMPARTMENT DOOR LATCH
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 7, 1949, Serial No. 91,979
15 Claims. (Cl. 70—84)



1. In a door lock: a bracket for the lock mechanism; a push button slidably mounted on said bracket for axial back and forth motion and accessible at the front of the bracket; a latch bolt pivotally connected with said bracket for swinging motion about an axis crosswise and at one side of the push button axis and having a keeper engaging portion; an actuator lever pivotally connected at one of its ends with said bracket for swinging motion of the lever about an axis crosswise of and opposite said first mentioned side of the push button axis; a connection between the other end of the lever and the latch bolt by which swinging of the lever in one direction carries the latch bolt from an operative keeper engaging position to an inoperative position; and a connection between the medial portion of the actuator and the push button so that depression of the push button produces swinging motion of the lever in said direction and causes retraction of the latch bolt from its operative keeper engaging position.

2,570,557
VAPOR SEPARATOR
Lloyd E. Johnson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application May 29, 1946, Serial No. 673,185
2 Claims. (Cl. 137—69)



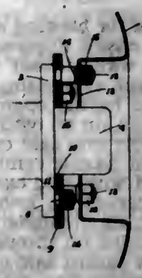
1. In a vapor separator a chamber, a vapor venting valve comprising, a tubular valve sleeve, a valve element rotatable in said sleeve, ports in said element and sleeve adapted to register upon rotation of the element to permit the escape of vapor, a float carried by the valve element for actuation thereof by liquid in the chamber, and a sleeve embracing the valve sleeve and having a port out of register with the port of the valve sleeve but connected therewith by passage means to prevent the escape of splashing liquid through the valve when it is open.

2,570,558
DRAFT CONTROL
William G. Johnson, Milwaukee, Wis.
Application November 28, 1947, Serial No. 788,415
7 Claims. (Cl. 267—1)



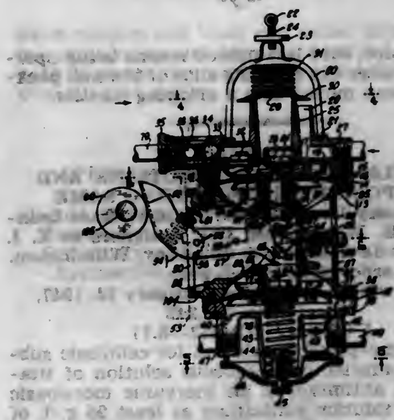
1. A draft control comprising an elongated cylinder the top of which is freely open to atmosphere, a piston movable in said cylinder within predetermined limits, a liquid medium of density and specific gravity greater than air partly filling said cylinder to restrain and retard the movement of said piston throughout a portion of its travel in one direction through said liquid medium, a valve permitting the motion of said piston to be unrestrained by said medium in the opposite direction of travel of said piston, said piston being restrained by the atmosphere and unrestrained by said liquid medium in its travel above said liquid medium, and means for inserting said control in a draft manipulating device.

2,570,559
WHEEL ADAPTER PLATE
Elwood M. Juergenson, Linden, Calif.
Application December 29, 1945, Serial No. 637,911
1 Claim. (Cl. 301—9)



A wheel adapter comprising a relatively thin flat plate having a central opening to fit over a wheel hub provided with a plurality of circumferentially spaced bolt holes disposed as to permit the plate to be placed over a plurality of circumferentially spaced wheel supporting bolts on the hub flange, a plurality of circumferentially spaced studs permanently fixed to and carried by the plate and projecting from the face thereof concentrically with respect to the circle of the bolt holes, the circle of the holes and that of the studs being of different radii, each projecting stud being formed with a shoulder and its threaded portion projecting beyond said shoulder, the length of the studs between the face of the plate and the shoulder being greater than that portion of the length of the wheel mounting bolts which will project beyond the face of the plate when the latter is mounted upon said bolts.

2,570,560
UNIVERSAL COMBINATION FUEL AND VACUUM PUMP
Morris Katcher, New York, N. Y.
Application January 31, 1946, Serial No. 644,535
10 Claims. (Cl. 103—6)



1. A pump comprising a housing provided with a fuel pump chamber, a mounting therefor, said pump adapted to be mounted with said chamber at its lower portion, a fuel pump diaphragm within the housing above the chamber when the pump is so mounted, said diaphragm adapted to cooperate with said chamber for pumping the fuel when reciprocated, said housing being provided with a drain hole in a side away from said mounting and above the diaphragm, said hole leading out from the space in the housing above the diaphragm for draining off fuel leaking into said space, said hole being sufficiently small substantially to prevent escape through it of lubricant of normal consistency, another hole being provided higher up in the housing in its side at the mounting for draining off lubricant entering said space, the latter hole being sufficiently large to pass lubricant of normal consistency.

2,570,561
ADHESIVE COMPOSITION
Walter B. Kinney, Bainbridge, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 8, 1946, Serial No. 682,139
12 Claims. (Cl. 106—146)

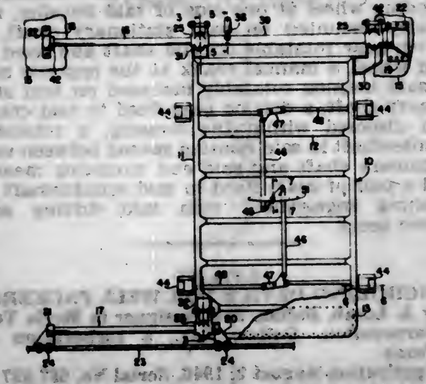
1. An adhesive composition which is highly resistant to alkali solutions at elevated temperatures and to ice water, which composition consists essentially of water as its largest component, casein, an alkaline solvent for said casein in an amount which will dissolve the casein, a soluble chromium compound in an amount less than the casein and a flow promoter comprising an organic amide, said adhesive being free from added alkaline earth bases.

2,570,562
ARTIFICIAL DENTURE
Jason D. Kinsley, Cedar Rapids, Iowa
Application February 24, 1948, Serial No. 10,394
1 Claim. (Cl. 32—2)



A denture in which the lower molar and bicuspid teeth have their occlusal surfaces formed as a concavity extending laterally of the mandible, the upper teeth having a longitudinally extending ridge on their grinding surfaces, the lateral curvatures of the concavity being less in the first bicuspid than in the second molar, and the change in curvature being progressive.

2,570,563
OPERATING MEANS FOR SLIDING DOORS
Rodney Kreimendahl, Burbank, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application April 16, 1945, Serial No. 588,572
4 Claims. (Cl. 20—23)



1. In a structure having a door opening in a wall thereof, a horizontally extending tubular shaped track above said doorway, a second horizontally extending tubular shaped track adjacent the lower part of said doorway and parallel to the first mentioned track, means securing the tracks to the said structure, a door, a sealing strip around the edge of the door on the side adjacent the wall, roller mounting means encircling said track and having a plurality of rollers equally spaced around the periphery thereof adapted to roll upon said track, hangers carried by the door and pivotally connected to the roller mounting means, said hangers having rearwardly extending arms so disposed that the weight of the door presses the sealing strip against the wall

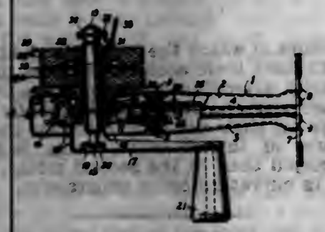
when the door is in the closed position, and a tubular shaped member encircling said upper track and holding the roller mounting means on said track in assembled relationship, said member being provided with a plurality of slots that engage one of the said track supporting means and prevents the door from being pushed against the wall during the sliding operation and prevents movement of the door parallel to the wall until it has first been moved back substantially normal to the wall and adequate clearance provided to prevent damage to the sealing strip while the door is being slidably operated.

2,570,564

GRINDER FOR SHARPENING CUTLERY

Fred William Kublin, St. Louis, Mo., assignor to Dasey Corporation, St. Louis, Mo., a corporation of Delaware

Application December 31, 1948, Serial No. 68,530
3 Claims. (Cl. 51—111)



2. A cutlery grinder comprising an elongated housing, means at one end for attaching the housing to a support, said housing having an internal bracket member near its opposite end, a stationary shaft rigidly secured at an intermediate point to said internal bracket member, said shaft projecting laterally from the housing, a grinding wheel at one side of said housing, rotatably mounted on said stationary shaft, a driven gear rotatable on said shaft and fixed to said wheel, a manual crank at the opposite side of said housing rotatably mounted on said stationary shaft, a driving gear fixed to said crank and disposed within the housing, a rotatable countershaft in said housing spaced between said stationary shaft and said end mounting means, and a pair of gears fixed to said countershaft in meshing engagement with said driving and driven gears.

2,570,565

ANCHORING DEVICE FOR WELL PACKERS

Roy A. Lamb, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas

Application August 2, 1946, Serial No. 687,837
8 Claims. (Cl. 166—12)

1. The combination with a well pipe and a well packer therein comprising a packer support, an expansible packing element on said support, and gripping slips on said support below said packing element movable to gripping position gripping the well pipe to lock the packer against downward movement in the well pipe to permit the packing element to be distorted into sealing position between the packer support and well pipe, of an anchoring device having a mandrel secured to the upper end of the well packer support, said anchoring device also including radially movable gripping slips, and means operable by downward movement of the mandrel and well packer support relative to the distorted packing element for moving said anchoring device gripping slips into gripping position to lock the packer assembly against upward movement within



the well pipe, said last named means being operable only after the gripping slips of the well packer have been moved into a gripping position.

2,570,566

TEXTILE TREATING SOLUTIONS AND COMPOSITIONS CONTAINING SAME

Frank Wesley Lane, Newport, and William Leonard Dills, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1947, Serial No. 724,242
5 Claims. (Cl. 252—8.1)

1. A flame-proofing solution for cellulosic substances comprising an aqueous solution of titanium and antimony in an inorganic monobasic acid, said solution containing at least 25 g./l. of the combined oxides of titanium and antimony, with the atom ratio of antimony to titanium not exceeding 2 and the weight ratio of titanium to antimony ranging up to 10.

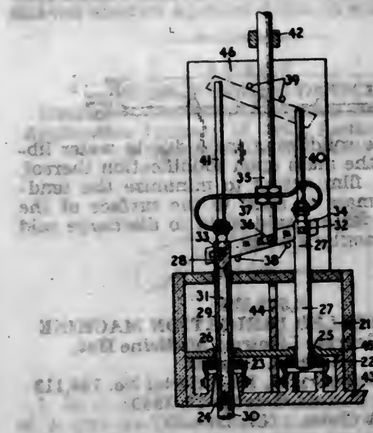
2,570,567

ELECTRIC CIRCUIT CONTROLLING DEVICE

Emil Lange, Paris, France

Application May 11, 1948, Serial No. 26,316
In France May 16, 1947
15 Claims. (Cl. 200—150)

1. An electric circuit controlling device comprising a chamber capable of containing quenching medium and having an outlet, a first fixed contact adjacent to said outlet, a movable switch pin capable of projecting through and thereby obturating said outlet and of contacting said first fixed contact, a conducting member insulatedly mounted on said switch pin and capable of contacting said first fixed contact, a second fixed contact contacting said conducting member, a third fixed contact contacting said switch pin, and electric current resisting means connected between said second and third fixed contacts, the arrangement being such that during circuit-breaking said conducting member withdraws from said first fixed contact thereby forming a first arc producing pressure within said chamber, then said switch pin contacts said first fixed contact thereby completing a current path from said second fixed contact through said current resisting means to said third fixed contact, thence through said switch pin to said first fixed contact, then said switch pin withdraws from said first



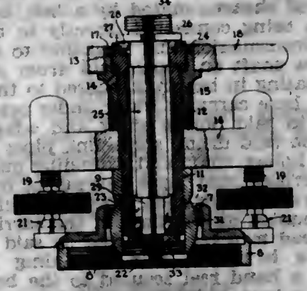
fixed contact and from said outlet thereby opening said outlet and forming a second arc in the path of quenching medium leaving said chamber through said outlet.

2,570,568

SPINDLE BEARING FOR SURVEYING INSTRUMENTS

Harold R. Larsen, Troy, and Daniel Gurney, Jamestown, N. Y., assignors to W. & L. E. Gurley, Troy, N. Y., a corporation of New York

Application May 5, 1947, Serial No. 745,930
5 Claims. (Cl. 308—189)



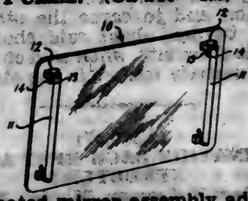
1. A spindle bearing structure for precise surveying instruments comprising in combination a spindle; an encircling sleeve; and two bearings one located adjacent each of the opposite ends of the spindle, each bearing comprising a circular series of balls which surround the spindle, and races therefor opposed to each other in pairs, the races of a pair being carried respectively by the spindle and the sleeve, each of said bearings having at least one race which is devoid of any ball-aligning groove whereby the bearings are rendered substantially indifferent to minor misalignment of the axes of the spindle and the sleeve, one of said bearings comprising opposed cylindrical races between which the balls are confined under a compression within the elastic limit of the balls, and the other bearing combining thrust bearing and radial bearing characteristics.

2,570,569

ILLUMINATED MIRROR ASSEMBLY

Robert Leathorn, Chatham, Ontario, Canada

Application December 2, 1947, Serial No. 789,271
1 Claim. (Cl. 240—4.2)



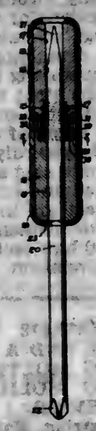
An illuminated mirror assembly adapted to be hung on pegs in a wall, comprising a mirror pane, a pair of support members mountable on the back of said mirror, a crossbar extending between said support members to impart rigidity thereto, bracket members mountable on the exterior face of said mirror, fastening means for connecting said bracket members, said mirror and said support members together lighting tubes mounted in said bracket members and disposed for reflection of their light by said mirror a connecting wire extending from each of said brackets, said mirror having holes designed for passage of said wires, said support members being designed to house said wires for passage along the back of said mirror, said cross member being designed to house said wires extending from said support member, said crossbar having a hole for exit of a common wire electrically connected to said wires and said brackets whereby said wires for said illuminating means are concealed behind said mirror.

2,570,570

TOOL CHUCK

Royal Lee, Elm Grove, Wis., assignor to Lee Foundation for Nutritional Research, Milwaukee, Wis., a corporation of Wisconsin

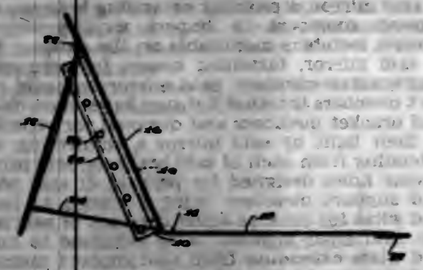
Application August 22, 1949, Serial No. 111,623
7 Claims. (Cl. 279—23)



7. A chuck comprising a chuck body, a sleeve axially secured in said chuck body and grooved at opposite ends, and a pair of first and second helically coiled clutch springs coaxially disposed in said sleeve, an end of said first spring being secured at one end of said sleeve, and an end of the second spring being secured at the other end of said sleeve, means for anchoring said spring ends in said grooved ends of the sleeve, the other ends of said spring being free, said springs being wound in opposite directions from

their secured end portions, said springs being adapted to frictionally embrace a shaft therein to cause one of said springs to tighten about said shaft in driving engagement therewith when said chuck body and shaft are relatively rotated in one direction and to cause the other spring to torsionally tighten about said shaft in driving engagement therewith when said chuck body and shaft are relatively rotated in the other direction.

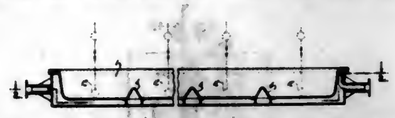
2,570,571
COMBINATION BACK REST AND BAG STRUCTURE
Robert N. Leeman, Malden, Mass.
Application September 4, 1946, Serial No. 694,721
2 Claims. (Cl. 155—153)



1. In a combination back rest and bag structure, an elongated flexible sheet provided upon one surface and adjacent the marginal side edges of the upper half of the sheet with elongated and parallel loops, a U-shaped framework having the legs of the U inserted through the open loops and with the cross member of the U disposed below the ends of the loops and extending across the mid-section of the elongated sheet, a supporting strut having the upper ends thereof free to be capable of being compressed toward one another to permit the ends when released to be extended laterally through openings formed in the upper end portions of the aforesaid loops and through the legs of said U-shaped frame member whereby to detachably secure the elongated sheet to the supporting frame member and to pivotally attach the strut to the frame member and to the said flexible sheet, the lower half of said flexible sheet being of sufficient length to permit it to be folded upwardly to enclose therein the U-shaped frame and said strut and into a position in which the top and bottom edges of said elongated flexible sheet are in substantial alignment, and means for detachably securing together the thus folded half sections of the flexible sheet in bag forming relation.

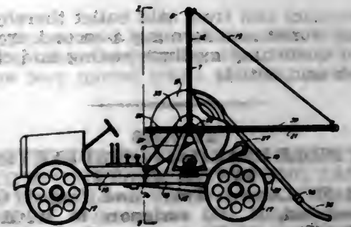
2,570,572
COOLING DEVICE AND A METHOD FOR TRANSFERRING MOLTEN ALUMINUM SULFATE INTO SOLID PIECES BY USING THE DEVICE
Karl Valdemar Lennström, Halsingborg, Sweden, assignor to Reymersholms Gamla Industri Aktiebolag, Halsingborg, Sweden, a corporation of Sweden
Application October 28, 1947, Serial No. 782,630
In Sweden October 30, 1946
2 Claims. (Cl. 18—26)

2. The method of transforming melts of hydrated aluminum sulphates, which are molten in their hydrate water, into a solid block of predetermined size, which comprises providing a relatively long, narrow mold, pouring a mass of such material at a temperature of the order of 105–115° C. into said mold, chilling the entire surface of said mold in contact with said mass to cause solidification of said mass, whereby to form an aqueous film between the interior surface of the



mold and the solidifying mass due to water liberated from the mass upon solidification thereof, said aqueous film acting to minimize the tendency of the mass to stick to the surface of the mold, and inverting said mold to discharge said mass therefrom by gravity.

2,570,573
SELF-PROPELLED IRRIGATION MACHINE
Joseph Georges Libeiren, Medicine Hat, Alberta, Canada
Application January 23, 1950, Serial No. 140,113
In Canada October 13, 1949
1 Claim. (Cl. 299—53)

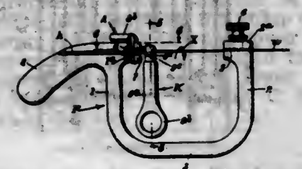


In an irrigating apparatus, the combination of a motor driven carriage, a drum mounted thereon and adapted to rotate with the movement of the carriage motor to which it is connected by means of sheaves united by a belt, one of said sheaves being connected directly to the vehicle motor transmission and the other to said drum, a hollow shaft on which said drum is mounted and rotating in bearings secured to the carriage body, a hose carrying water under pressure connected to said hollow shaft and adapted to be reeled on said drum, sprinkling pipes connected to said hollow shaft and extending outwardly of said carriage, said pipes decreasing in diameter towards their outer ends, upright stanchion members mounted on the floor of the carriage and a cross-head member supported by said stanchion members to which said sprinkling pipes are braced, a hand reel secured to the body of the vehicle, a lone sprinkling pipe at the rear of the carriage and extending the full width thereof and connected to said hollow shaft and held in position by braces tied to said cross-head member, and an idle roller held on the body of the carriage to guide the hose in its winding and unwinding on the drum.

2,570,574
PRODUCTION OF 2,3-DIMETHYLALKANES
Carl B. Linn, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 22, 1949, Serial No. 89,147
5 Claims. (Cl. 260—683.4)

1. A method of producing a 2,3-dimethylalkane which comprises reacting isobutane with a 1-alkene containing more than 4 carbon atoms in the presence of a catalyst comprising hydrogen fluoride as the essential active ingredient at a temperature below about —10° C. and in the substantial absence of other types of alkenes.

2,570,575
WIRE WINDING DEVICE
Charles V. Lindbloom, Daytona Beach, Fla.
Application January 28, 1949, Serial No. 73,410
2 Claims. (Cl. 140—118)



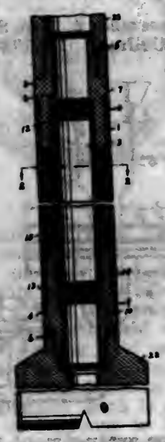
1. In a device for forming an eye at the end of a wire and securing the same to the eye of a fish hook or the like in which the wire is passed through the eye of the fish hook and a free end portion of the wire is wrapped about the wire; the improvement which comprises a U-shaped frame affording two spaced heads, means to hold a wire in one of said heads, the other of said heads having a slot, a bore intersecting the slot and a clearance space intersecting the slot and extending to said bore, an arbor about which the wire is to be looped during the formation of the eye thereof removably mounted in said bore and extending across said slot, said arbor having a groove alignable with said clearance space to receive a part of the eye of the fish hook placed in the clearance space and to align the eye with said slot, whereby a wire looped about the arbor during the formation of the eye of the wire will pass through the eye of the fish hook.

2,570,576
BELTING
Wilfrid Lord, Rochdale, England, assignor to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York
Application May 11, 1946, Serial No. 669,181
In Great Britain May 10, 1945
4 Claims. (Cl. 28—80)



1. Reinforced rubber belting having rubber combined with a textile fabric, said fabric having weft threads and two sets of warp threads; each thread of one set of warp threads extending over a group of weft threads, under a single weft thread, and over another group of weft threads, adjacent warp threads of said one set extending under weft threads which are longitudinally spaced; each thread of the other set of warp threads extending under a group of weft threads, over a single weft thread, and under another group of weft threads, adjacent warp threads of said other set extending over weft threads which are longitudinally spaced; the warp threads of the two sets being so arranged that at each point where a warp thread of said one set extends under a weft thread, such warp thread is located between said weft thread and a warp thread of the other set, and at each point where a warp thread of said other set passes over a weft thread, such warp thread is located between said weft thread and a warp of said one set.

2,570,577
VIBRATION ABSORBER
Kenneth J. Manion, Houston, Tex.
Application June 12, 1947, Serial No. 754,365
6 Claims. (Cl. 255—28)

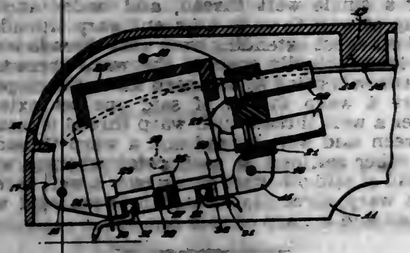


1. A vibration absorber for drilling tools comprising, tubes spaced radially apart and adapted to be connected into a drill-driving stem, couplings each connected to the respective adjacent ends of the tubes, each of said couplings having inner and outer annular shoulders spaced outwardly beyond and in opposed relation to the adjacent ends of the respective tubes, outer and inner series of superimposed annular plates, clamped together under compression between said shoulders and said adjacent ends of the tubes assembly for compressing said plates together.

2,570,578
DUAL STYLUS PHONOGRAPH PICKUP
Norman F. Martin, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application March 11, 1949, Serial No. 80,929
10 Claims. (Cl. 179—100.41)

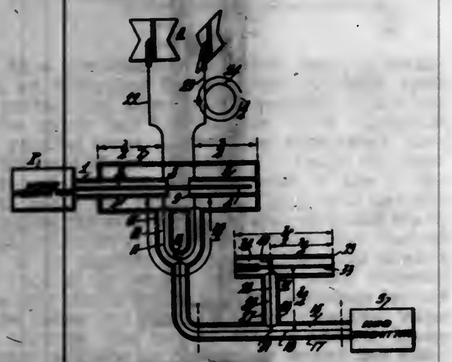
1. A phonograph pickup arm having a cartridge casing shiftably mounted thereon, a piezoelectric crystal located within said casing, a first crystal actuating member mounted on one corner of said crystal, a second crystal actuating member mounted on another corner of said crystal, a plurality of different styli having differ-

ent compliance characteristics for reproduction of different types of phonograph records, each



stylus being mounted in engagement with one of said actuating members.

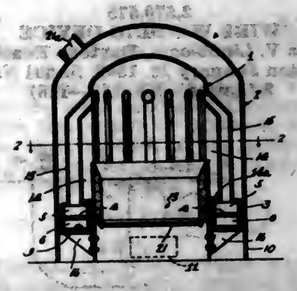
2,570,579
TRANSMISSION LINE SYSTEM
Robert W. Masters, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 6, 1946, Serial No. 714,620
11 Claims. (Cl. 178—44)



1. A conductor arrangement for a plurality of high frequency radiant energy waves including individual sources of said waves, individual transmission lines from said sources to a common junction point, and means in at least one of said transmission lines effective to absorb energy appearing therein from the other of said sources but ineffective as to energy from the source to which said transmission line is connected, said means including a T-shaped branch transmission line having its foot connected to said one transmission line, the height of said T and one arm thereof each having a length equal to one quarter of the operating wavelength of the source to which said line is connected, and an absorber of high frequency energy at the junction of the leg and top of said T.

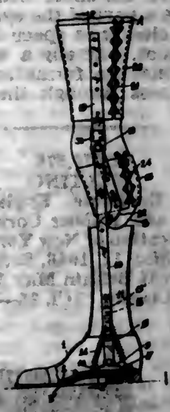
2,570,580
FUEL-SAVING HOT-AIR FURNACE
Alfred E. McClure, Marne, Mich.
Application March 14, 1949, Serial No. 81,000
2 Claims. (Cl. 126—99)

1. In a furnace of the class described, the combination with a vertical furnace casing having a fire-box, of a horizontal, substantially U-shaped radiator partly around the lower portion of said fire-box, said radiator provided with upper and lower communicating compartments, brackets fastened to said furnace casing and being under and supporting said radiator, said furnace casing provided with cleanout means at the ends of said radiator, said casing provided with a fuel door above said radiator, said furnace casing provided with outwardly-extending hollow, vertical ribs, means forming a vertical



tube integral with each side of a respective rib, a jacket provided with an outlet pipe enclosing said furnace casing, and said tubes opening at their upper ends into said furnace casing and at their lower ends into said upper compartment of said radiator.

2,570,581
ARTIFICIAL LEG
Manuel A. McIntyre, Napa County, Calif., assignor, by mesne assignments, to Rose K. McIntyre, San Francisco, Calif.
Application October 15, 1949, Serial No. 121,523
3 Claims. (Cl. 3—8)



1. An artificial leg for below the knee amputations comprising a shoe, a plate secured to the shoe having a pair of upstanding bearing members secured thereto, a pivot pin mounted on the bearing members, a pair of upstanding side bars secured to the opposite ends of the pivot pin, a pair of side members pivotally connected by knee pins to the upper ends of the side bars, a band secured to the side members for extending around the thigh of the wearer of the artificial leg, rearwardly disposed offset members secured at their lower ends to the side bars and at their upper ends to the knee pins, and a band secured to the offset members for extending around the below-the-knee portion of the wearer's amputated leg, the said last mentioned band being normally arranged in an inclined position.

2,570,582
PROCESS FOR THE PREPARATION OF 7-HYDROXY-1:2-DIALKYL-HYDROPHENANTHRENE-2-CARBOXYLIC ACIDS
Karl Miescher, Riehen, and Jules Heer, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application January 27, 1948, Serial No. 4,704. In Switzerland January 31, 1947
3 Claims. (Cl. 260—520)

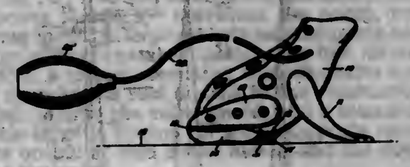
1. A process for the preparation of a therapeutically active 7-hydroxy-1:2-dialkyl-hydrophenanthrene-2-carboxylic acid, which comprises heating a therapeutically inactive 7-R-2-R'-1:2-dialkyl-hydrophenanthrene, wherein R represents a member selected from the group consisting of hydroxy, lower acyloxy and lower alkoxy, and R' represents a member selected from the group consisting of carboxy and lower carbalkoxy, to a temperature of 200–300° C. with an alkali metal hydroxide.

2,570,583
CONVEYER FLIGHT
Glenn C. Miller, Portland, Oreg.
Application November 17, 1947, Serial No. 786,495
7 Claims. (Cl. 198—176)



7. In a conveyor, a flight having a wall perpendicular to the line of draft, openings in said wall, a U-shaped chain link having portions extending through said openings and projecting beyond said wall, a link detachably connected with said projecting portions of said first link in sliding engagement perpendicular to the line of draft to sustain chain tension in said conveyor, a pair of perpendicular webs projecting from said wall on opposite sides of said links, and a keeper extending through said webs and chain links to hold the parts in assembled relation.

2,570,584
LEAPING FIGURE TOY
Ronald A. Miskin, Clearfield, Utah, and Judson N. Suddarth, Seattle, Wash.; said Suddarth assignor to said Miskin
Application January 17, 1950, Serial No. 139,068
6 Claims. (Cl. 46—129)



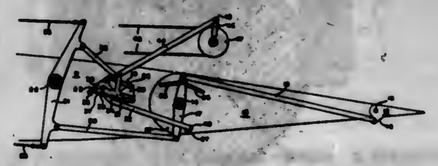
1. A leaping figure toy comprising a hollow animal-simulating body having hingedly connected leg elements provided with hingedly connected foot portions having anti-slipping surfaces frictionally engageable with a supporting surface; a fluid pressure cylinder mounted within the body; a piston in said cylinder, having a piston rod projecting therefrom; thrust transmitting connections between said piston rod and foot portions; means for intermittently supplying fluid under pressure to the cylinder whereby to induce movement thereof and of the body relative to the piston to project the toy through the air, clear of the supporting surface, the hinge connections between said leg elements and foot portions enabling the latter to remain in flat anti-slipping contact with the supporting surface during the initial movements of the body and leg elements; and means for restoring the initial relative positions of the cylinder and piston upon relief of the fluid pressure in the cylinder.

2,570,585
DISCONNECT DEVICE
Norman B. Murphy, West Englewood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application June 26, 1944, Serial No. 542,063
8 Claims. (Cl. 192—56)



1. In combination, a driving member, a driven member, means comprising a driving link pivotally supported on said driving member and adapted for drivably engaging said driven motor, means comprising a pawl for yieldably urging said link into engagement with said driven member, a latch normally locking said pawl whereby a drivable connection is maintained between said members, means interconnecting said link and said latch whereby said latch is actuated to release said pawl in response to relative motion between said driving and driven members, and means for providing relative motion between said driving and driven members.

2,570,586
GUST LOCK
John P. Nix, Normandy, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 6, 1946, Serial No. 660,164
16 Claims. (Cl. 244—82)



1. In an aircraft, a movable element and operating means therefor having a resilient play connection thereto; locking means for said element comprising a first member connected by a first pivot to the aircraft, a second member connected to the first member by a second pivot, a link connected to the second member by a third pivot and by a fourth pivot to said element, and resilient

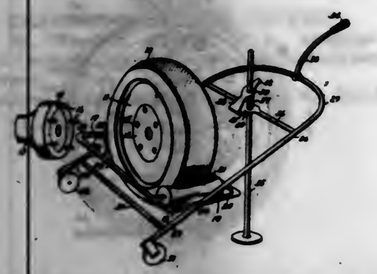
means connecting said members to urge them about the second pivot into a locking relationship wherein the pivots are substantially aligned for holding the element against movement or to urge the members into an unlocked relationship wherein the third pivot is remote from a line between the first and fourth pivots for permitting said members to swing about the first pivot in response to movement of the element; lock control means for moving said members into either of said relationships; and means operable by and upon actuation of the operating means for moving the members into their unlocked relationship.

2,570,587

AUTOMOTIVE EQUIPMENT

Frank P. Neese and Arthur C. Mullin, Philadelphia, Pa.; said Mullin assignor to said Neese

Application April 29, 1947, Serial No. 744,668
5 Claims. (Cl. 214—1)



1. A handtruck for maneuvering vehicle tires comprising, a pair of substantially parallel rigid frame members, a rigid connection forming said frame members into a frame structure, a pair of wheels rotatably mounted on said frame structure, a substantially rectangular crosspiece rotatably mounted in said frame structure at a distance from said wheels, a pair of tire support members rotatably mounted in said crosspiece, and a maneuvering handle on said frame structure at a greater distance from said wheels than said crosspiece.

2,570,588

METHOD OF REMOVING DEFECTS IN WOOD

John A. Nyland, Portland, Oreg., assignor to M and M Wood Working Company, Portland, Oreg., a corporation of Oregon

Application February 19, 1948, Serial No. 648,769
9 Claims. (Cl. 144—309)



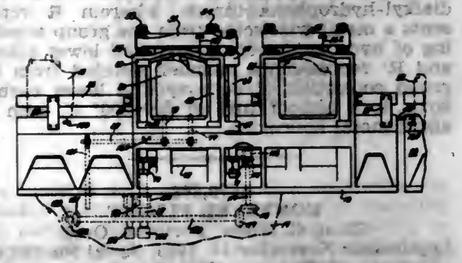
1. In the manufacture of veneer, the method of repairing defects in peeler logs from which the veneer is to be made comprising boring out said defects to form tapered, circumferentially grooved holes and inserting tapered circumferentially grooved plugs in said bore holes of a material having the same cutting action in the lathe knife as the material of the log, and cutting said veneer in a thin sheet circumferentially of the log so that transverse slices of said plug appear as successive patches in the cut veneer sheet.

2,570,589

TRANSFER MECHANISM

Harry F. Phillips, Springfield, Mass., assignor to Bausch Machine Tool Company, Springfield, Mass., a corporation of Massachusetts

Application March 20, 1947, Serial No. 736,034
2 Claims. (Cl. 29—33)



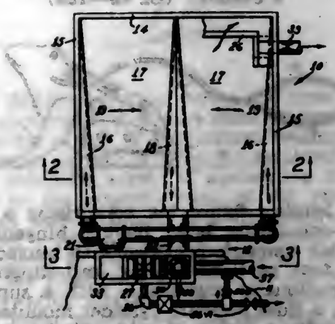
1. Transfer mechanism for moving a work piece in successive steps from a loading station to a work station of a machine and from said work station to a receiving station which comprises a reciprocating transfer means having means to engage a work piece at the loading station and a work piece at the work station, means to actuate said transfer means forwardly a distance equal to the distance between said loading station and said work station and reversely, locating means for engaging and positioning said work piece at said work station, means for securing said work piece at said work station, means controlled by the loading of a piece at said loading station and by the withdrawal of said position and securing means to actuate said transfer means forwardly and means positioned to be actuated by a work piece at said receiving station to interrupt forward actuation of said transfer means.

2,570,590

SOLIDS CONTACT TANKS, DUCTS, AND CONTROLS FOR SAME

Frank D. Prager, Chicago, Ill., and Roy Welter, St. Louis, Mo.

Application January 27, 1950, Serial No. 140,804
8 Claims. (Cl. 210—16)



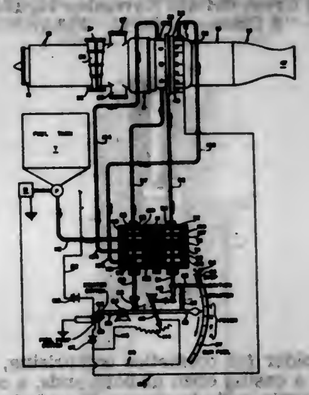
1. Process of liquid treatment comprising the steps of producing a slurry of contact solids; discharging a plurality of spaced, distributed, generally uniform, horizontal flows of such slurry into a solids contact zone, in different directions; passing said flows through the solids contact zone at substantially uniform velocities; collecting such flows into one flow; passing the collected flow into a pump, feed and control zone to pump it back to the solids contact zone; separating the returning flow into a plurality of flows again; passing the separated flows to the solids contact zone for repeated discharge; maintaining substantially uniform velocities in the flows passing to and from the pump, feed and control zone but maintaining a lower headloss in the former than in the latter; feeding liquid to be treated and required treatment reagents into the circulating slurry in the pump, feed and control zone, whereby additional contact solids are produced; withdrawing liquid upwardly from the solids contact zone; and withdrawing contact solids from the circulating slurry.

2,570,591

FUEL CONTROL SYSTEM FOR TURBO POWER PLANTS

Nathan C. Price, Los Angeles, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application September 8, 1945, Serial No. 615,167, which is a division of application Serial No. 423,599, March 6, 1942, now Patent No. 2,540,991, dated February 6, 1951. Divided and this application April 26, 1947, Serial No. 744,236
17 Claims. (Cl. 60—35.6)



7. A gas turbine power plant comprising a compressor, a gas turbine, a combustion chamber between the compressor and turbine, a pump for pumping fuel into the combustion chamber, variable power means for operating the pump, fuel metering means interposed between the pump and the combustion chamber including a fuel metering valve, a piston associated with the valve and acted upon by the fuel flowing to the combustion chamber to urge the valve closed, and a manually operable throttle control for simultaneously varying the output of said power means and the position of the valve.

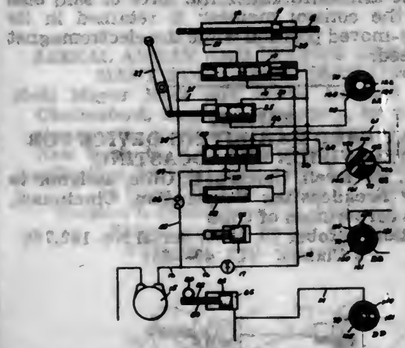
2,570,592

AUTOMATIC FEED MECHANISMS

Ralph E. Price, Highfield, Md., assignor to Landis Tool Co., Waynesboro, Pa.

Application January 7, 1949, Serial No. 69,711
5 Claims. (Cl. 51—8)

4. In a grinding machine having a work support and a grinding wheel support, means for effecting relative transverse and longitudinal movement between said supports, said transverse moving means comprising a feedscrew and nut, a hydraulic motor for rotating one of said mechanisms, a reversing mechanism for said longitudinal moving means, an automatic feed valve actuated by said reversing mechanism, a shuttle valve of fixed capacity in excess of maximum requirements actuated by said automatic feed valve for supplying a measured maximum quantity of fluid under pressure to said feedscrew operating motor at each reversal of said longitudinal moving means, means including an adjustable restriction for directing a predetermined portion of the output of said shuttle valve to said feedscrew operating motor, and a selector valve between said shuttle valve and said screw operating motor for preventing operation thereof at one or both ends of the movement of said longitudinal moving means.

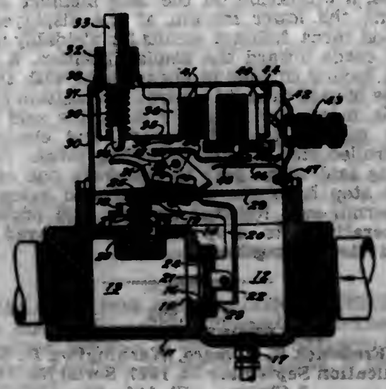


2,570,593

MANUAL-RESET CONTROL DEVICE

William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California

Application July 28, 1949, Serial No. 106,701
3 Claims. (Cl. 74—104)



1. In a manual-reset control device: a control member movable between alternate controlling positions and biased to one of said positions, manually operable means for moving said member to the other of said positions, an electromagnet comprising a core having a flat pole face, an armature having a flat surface slidable on said pole face, resilient means acting on said armature and maintaining said armature-surface continuously in intimate engagement with said pole

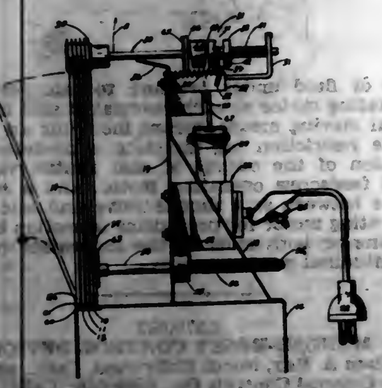
face, and means so interconnecting said control member and said armature that movement of the control member effects sliding movement of said armature-surface on said pole face, the extent of said armature-surface in relation to that of said pole face being such that in the movements of the armature its surface is continuously in engagement with the pole face, the attractive force of the electromagnet being such as to prevent sliding of the armature under the force of said bias so that the control member is retained in its manually-moved position while the electromagnet is energized.

2,570,504

DISPLAY CARD EXHIBITING DEVICE FOR TELEVISION BROADCASTING

Ronald J. Rockwell, Cincinnati, Ohio, assignor to Crosley Broadcasting Corporation, Cincinnati, Ohio, a corporation of Ohio

Application October 28, 1950, Serial No. 192,746
8 Claims. (Cl. 40—63)



1. A device for presenting a sequence of display cards to be televised, comprising a base member providing a support for the lower edges of said cards, a projection on the base member for securing the lower margin of the displayed one of said cards, follower means for yieldably urging said cards toward the display position, a worm gear having threads in engagement with the top edges of said cards to control the position of said cards, means for rotatably mounting said worm gear relative to said support, and electrically controlled step-by-step actuating means for rotating said worm gear to disengage one card at each step from the threads of said worm gear to permit said follower member and projection cooperatively to drop the last-displayed card from viewing position.

2,570,595

JET-PROPELLED VESSEL

Frederick B. Remsen, Washington, D. C.

Application September 22, 1947, Serial No. 775,442
3 Claims. (Cl. 114—56)



1. In a water jet propelled vessel having a hull bottom formed to provide a pair of keels along the turn of the bilge along each side of the hull and throughout the after two-thirds of the length of the hull, longitudinally directed V-shaped channels formed in the bottom of the hull substantially co-extensive in length with said bilge keels, parallel to said bilge keels along each side of the hull and adjacent the bilge keels, a pair of central keels parallel to said V-shaped channels, one of each pair forming the inboard side of one of said V-shaped channels and extending below the lowest point in the hull, a central channel between the central keels, the central channel substantially co-extensive in length with said bilge keels, the V-shaped channel and central keels, and a plurality of flat-bar members extending transversely of the open sides of the channels, the flat portions lying substantially in the same horizontal plane to afford increased stability; that improvement which comprises water jet propulsion tubes within the hull and along the V-shaped channels, said tubes terminating at their forward end two-thirds of the length of the vessel from the bow in openings in the V-shaped channels and terminating at their after end at the stern of the vessel and each side of the central channel, said tubes formed to receive a propeller whereby water may be discharged adjacent the open end of the central channel.

2,570,596

HOLDER FOR COSMETICS AND THE LIKE

Charles Ray Ross, Southwick, England

Application July 11, 1946, Serial No. 682,746
In Great Britain November 12, 1945
8 Claims. (Cl. 15—140.3)



7. A holder for cosmetics comprising, in combination, a casing open at both ends, a container for a cosmetic paste having open and closed ends, said container being insertable, closed end first, through one open end of the casing and being slidable therethrough to a normally fully extended position, stop means associated respectively with the casing and the container which interengage when the container is in the fully extended position to prevent the complete withdrawal of the container from the other end of the casing, and a nosed plunger for use in removing paste from the container and applying the same to the skin of the user, said applicator being insertable through the open end of the casing into the container with its nose contactable with the opposing face of the cosmetic paste within the container, said container being displaceable inwardly to telescope with the casing and enable the nose of the plunger to be suitably embedded in the paste, the inward movement aforesaid of said container being progressively increased as the cosmetic paste is consumed until in the fully inward position of the container, its closed end is contactable by the nose of the plunger, thereby enabling the removal of paste from the bottom of the container.

2,570,597

FLEXIBLE PANE AND SCREEN SASH

Charles J. Rees, Muskegon, Mich.

Application March 24, 1948, Serial No. 16,816
1 Claim. (Cl. 160—378)



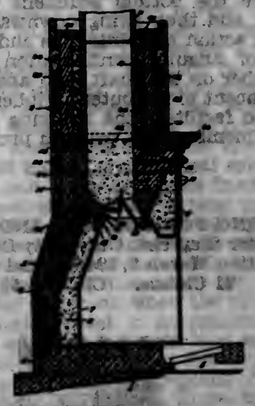
A screen embodying a screen frame comprising a pair of outer and inner frame sections secured together, between which wire mesh material is clamped, the inner edge of the outer section of the frame being beveled, said beveled inner edge extending a substantial distance beyond the inner edge of the inner screen frame section, a stretcher frame embodying independently movable sections having beveled surfaces resting against the beveled inner edge of the outer frame section, said stretcher frame also resting against the wire mesh material beyond the inner edge of the inner screen frame section, and means for moving the sections of the stretcher frame over the beveled surface of the outer section of the screen frame, and against the wire mesh material stretching said wire mesh material within the frame.

2,570,598

SHOCK RESISTANT FIREPLACE

Charles J. Rees, Muskegon, Mich.

Application April 28, 1948, Serial No. 23,751
1 Claim. (Cl. 126—126)



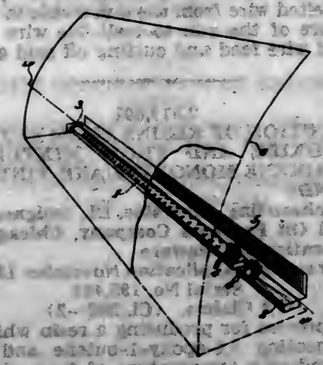
In a shock resistant fireplace construction having a chimney, a bed block, a substantially U-shaped fireplace block having a rear wall and a groove in the upper edge thereof mounted on the bed block with the open side of the U-shaped fireplace block disposed forwardly providing the opening for the fireplace, a hollow head stone fitted on the fireplace block having filling holes communicating with the groove into which mortar is adapted to be poured to lock the headstone and fireplace block together, a forwardly extended flange formed at the lower end of the hollow head stone, the flange extending beyond the inner surface of the rear wall of and directly above the U-shaped fireplace block providing a damper throat above said fireplace block, superimposed chimney blocks secured together providing a continuation of the chimney, a metal U-shaped fireplace liner disposed within the open side of the U-shaped fireplace block, supported in spaced relation with the rear wall thereof providing a rear hot air passage, and forming with the side walls of the U-shaped fireplace block and said head stone, a transverse hot air passage at the front of the fireplace communicating with the rear passage, and said metal liner extending into the damper throat further bracing the connection between the fireplace block and head stone.

2,570,599

AERIAL ARRAY AND FEEDER ARRANGEMENT FOR USE THEREWITH

Noël Meyer Rust and Leslie Howard Dawson, Chelmsford, England, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 20, 1947, Serial No. 775,276
In Great Britain March 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires March 19, 1966
5 Claims. (Cl. 250—33.63)



1. An aerial array including transmission means and a plurality of aerial elements arranged along said transmission means, said aerial elements being coupled to said transmission means effectively to translate radio frequency energy between said transmission means and free space, said aerial elements being spaced along the length of said transmission means at intervals an odd multiple, including unity, of a quarter wavelength at the operating frequency, said aerial elements being arranged in two rows with alternate aerial elements constituting one row and the remaining aerial elements constituting the other row, and the connections of alternate aerial elements of each row to said transmission means being reversed with respect to the connections of the remaining aerial elements in the same row.

2,570,600

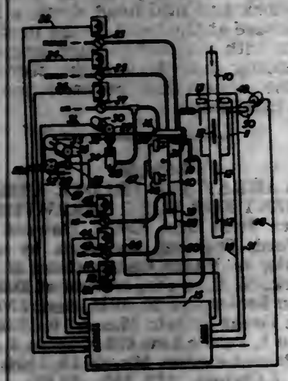
APPARATUS FOR METALLIZING ARTICLES

John Adolph Sargrove, Shepperton-on-Thames, England, assignor of one-half to Sargrove Electronics Limited, Teiwerth, England, a British company

Application February 12, 1948, Serial No. 8,042
In Great Britain February 19, 1947
13 Claims. (Cl. 91—12.2)

1. A metallizing device including a spray gun to which metal is fed as a wire for melting and ejection from the nozzle of the gun as a molten metallic spray, means for feeding wire in continuous form to said gun, means for supplying combustible gases to said gun and igniting the

same for melting the wire as it is fed to said gun, means for supplying pressure gas to said gun for ejecting the molten metal from the gun



nozzle, and means responsive to the projection of unmelted wire from the gun nozzle in the event of failure of the gun to melt the wire for halting said wire feed and cutting off said gases.

2,570,681

PRODUCTION OF RESINS FROM BUTADIENE MONOXIDE AND FROM MIXTURES OF BUTADIENE MONOXIDE AND VINYL COMPOUNDS

Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 13, 1950, Serial No. 195,463
4 Claims. (Cl. 260—2)

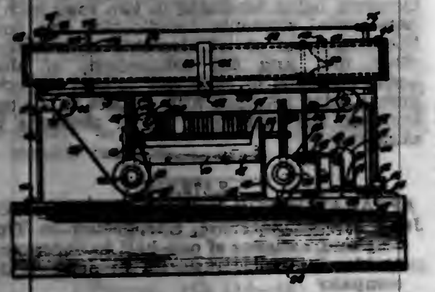
1. A process for producing a resin which comprises heating 3,4-epoxy-1-butene and a vinyl compound at a temperature of from about 150° to about 350° C.

2,570,682

CALIBRATED TRAVELING BAND RADIO INDICATOR OR DIAL

Ernest F. Shawver, Houston, Tex.

Application April 10, 1946, Serial No. 660,892
2 Claims. (Cl. 116—124)



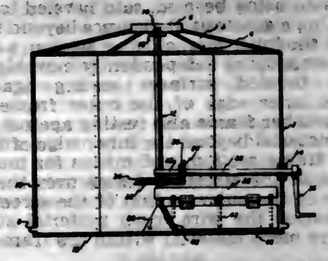
1. In a device of the character described for band-spreading any portion of the range of adjustment of a variable element in an electrical circuit having two or more interleaved movable sections provided with means for the rotation thereof, and the means for rotating one of said sections adapted to move said one section a greater distance than the means for rotating the other section the improvement comprising a strip scale member adapted to be moved linearly, means engaging said strip scale member for moving said member in unison with the one of said sections that is moved the greater distance, and an indicator for said scale adapted to be moved linearly with relation to said strip scale member and means for moving said indicator in unison with the other of said sections but for a lesser distance than that travelled by said strip scale member.

2,570,683

TANK CLEANER

Harry F. Shoemaker, Tulsa, Okla.

Application February 25, 1947, Serial No. 730,729
2 Claims. (Cl. 216—306)



1. In an apparatus for cleaning bottom sediment from tanks comprising a rotatable shaft provided therein, a plate support member adjustably secured to the shaft and disposed laterally therefrom at a point substantially adjacent the bottom of the tank, a hinged plate member secured to the arm for swinging upwardly to a position above the bottom sediment upon contact therewith and then swing downwardly to effect a plowing action thereinto, one end of said plate member of angular configuration, a cone like base member on the shaft, said angular end disposed adjacent to the outer periphery of the cone member to facilitate the swinging movement of the plate member at a point in proximity of the outlet.

2,570,684

MOUNTING FOR SHEAVES AND THE LIKE

Walter Siegerist, University City, Mo.

Application March 9, 1946, Serial No. 653,264
21 Claims. (Cl. 287—52)



21. For use in connecting a wheel with a shaft which extends therethrough, the combination of a hub adapted to fit within said wheel and about said shaft, means on said hub providing a pair of shoulders, and adjustable means carried by said wheel and having a flange adapted to fit between said shoulders whereby said latter means when moved in one direction positions said hub within said wheel and about said shaft by bearing against one shoulder and when moved in the opposite direction moves said hub outwardly of said wheel by bearing against the other shoulder.

2,570,685

WATER SPRAYER

Miroslav Sigmund, Gesferth, England

Application September 24, 1948, Serial No. 51,060
In Great Britain October 1, 1947
1 Claim. (Cl. 299—69)



A water sprayer, comprising a jet nozzle, a support therefor upon which said jet nozzle is capable of rotating, a rotary diffusing element mounted on the jet nozzle and rotatable by the jet of water from the nozzle, and means driven by said rotary diffusing element for rotating the jet nozzle upon its support in either direction, said means including gearing between the rotatable jet nozzle and its support and a transmission between the diffusing element and said gearing comprising a ratchet wheel carried with and rotatable on the jet nozzle, a rocking member carried with the jet nozzle and rockable in a plane normal to the axis of the ratchet wheel, a double-ended pawl member pivoted on said rocking member for step-by-step driving cooperation with the ratchet wheel and means for moving said double-ended pawl between alternative positions on said rocking member, said means for moving the double-ended pawl member comprising a vertical spindle, bearings on the jet nozzle, said vertical spindle being supported in said bearings, a yoke fixedly mounted at the upper end of said vertical spindle and embracing a part of the double-ended pawl member with clearance, a crank fixedly mounted on said spindle and stop means connected with the stationary support for the rotary jet nozzle for engagement by the crank when the rotary nozzle reaches a selected point in its rotational movement on the support, to rotate said spindle and cause the said yoke to contact the double-ended pawl during a subsequent movement of said pawl with the rocking member to cause the double-ended pawl member to take its alternative position relative to the rocking member and reverse the direction of the step-by-step rotation of the jet nozzle on the support.

2,570,686

DAMPER BAR FOR FILAMENTARY CATHODES

Kenneth H. Simpson, Maplewood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 12, 1949, Serial No. 92,788
5 Claims. (Cl. 313—269)

1. An electron discharge device having a filamentary cathode, a grid having transverse wires and side rods supporting said wires, two spacer plates having apertures for receiving said side rods and said cathode, said apertures in said two plates being disposed in a common plane, and a straight damper bar engaging said side rods between two of said transverse wires and intermediate said spacer plates, said damper bar having an intermediate portion coated with insulating material and bare end portions, said inter-



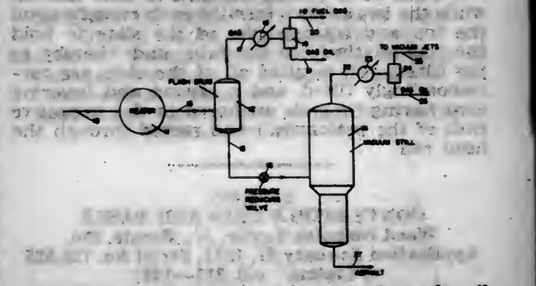
mediate portion extending across the axis of the apertures for said cathode for engaging said cathode and deflecting the same in a plane normal to said common plane for improved operation of said device, one of said bare end portions being fixed to one of said side rods.

2,570,687

VACUUM DISTILLATION OF REDUCED CRUDE

Reading Barlow Smith, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application November 18, 1948, Serial No. 60,732
1 Claim. (Cl. 196—77)



In vacuum distillation of reduced crude oil stocks to prepare gas oil cracking stocks, the steps of heating a reduced crude stock in the liquid phase under superatmospheric pressure to a temperature of the order of about 900° F. to effect incipient cracking, passing the treated stock to a relatively small flash zone and removing substantially all fixed gases while maintaining the stock substantially in the liquid phase under superatmospheric pressure, flashing the preheated and degassed stock in an enlarged vacuum zone at about 750° to 850° F. under a pressure within the approximate range of 150 to 350 mm. of mercury, removing vaporized gas oil overhead from the vacuum zone and removing unvaporized bottoms from the vacuum zone.

2,570,688

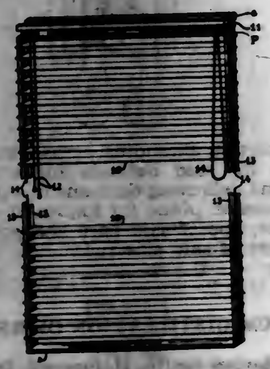
VENETIAN BLIND

Stanley Spiegel, New York, N. Y., assignor of one-half to Electronic Systems Corporation, a corporation of New York

Application July 14, 1947, Serial No. 760,797
2 Claims. (Cl. 160—178)

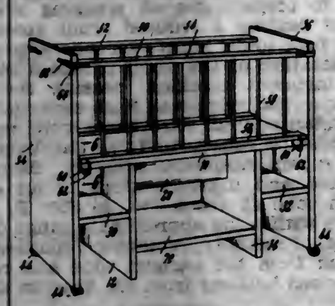
1. A Venetian blind, including in combination a head rail, a bottom rail, a second rail tilting-

ly attached to and supported by the head rail, two pairs of narrow flexible tapes, the upper ends of each pair of which are attached to the respective ends of the tilting rail with the flat portions of the tapes aligned but spaced apart, a bottom rail the ends of which are connected to the lower ends of the respective pairs of tapes, whereby the tilting rail supports the bottom rail, a plurality of flexible rungs carried by each pair of tapes, each rung comprising two spaced strands, a plurality of slats parallel to the tilting rail and



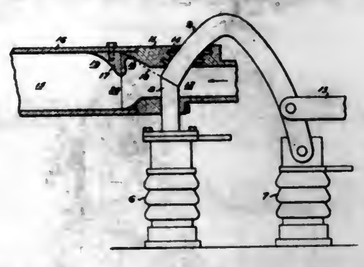
forming the blind between the tilting and bottom rail, each slat having at each end two aligned transversely disposed slots into which the respective tapes fit to permit the slats to slide thereon while the two strands forming each rung fit upon the top and bottom sides of the slats to hold the slat relatively to the tape, and whereby as the tilting rail is tilted all of the slats are correspondingly tilted, and a raising and lowering cord having its ends anchored to the respective ends of the bottom rail and reeved through the head rail.

2,570,609
CONVERTIBLE CRIB AND TABLE
Weed Nicholas Tayler, Jr., Bernie, Mo.
Application January 31, 1947, Serial No. 725,525
5 Claims. (Cl. 211—148)



1. An article of furniture comprising a horizontal platform, shelves spaced below the end portions of said platform, each shelf having an edge in a vertical plane containing an end edge of the platform, means securing said shelves to said platform, detachable vertical end boards abutting the end edges of said platform and shelves and projecting up above the level of the platform, and means detachably securing said end boards to said platform and shelves.

2,570,610
GAS BLAST CIRCUIT BREAKER WITH TRAP FOR PRODUCTS OF ARCING
Philip L. Taylor, Abington, Mass., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 23, 1947, Serial No. 770,296
5 Claims. (Cl. 200—148)



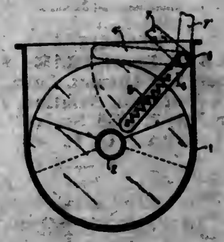
1. In a gas blast circuit breaker, passage-defining wall means, a pair of relatively movable contacts arranged in the passage defined by said wall means and adapted to form an arc gap therebetween upon separation thereof, means for establishing a blast of gas through said passage and gap, said passage-defining wall means including means defining a pocket situated downstream of said gap for receiving products of arcing, said pocket-defining means being arranged at the zone of intersection between the jet of products of arcing issuing from said gap and said passage-defining wall means.

2,570,611
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Robert W. Towne, Baden Station, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 28, 1949, Serial No. 105,825
4 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, which comprises adding to and vigorously mixing with said emulsion an emulsion breaker consisting essentially of a compound selected from the group consisting of trichloroacetic acid and its alkali metal and alkaline earth metal salts in an amount sufficient to break the emulsion.

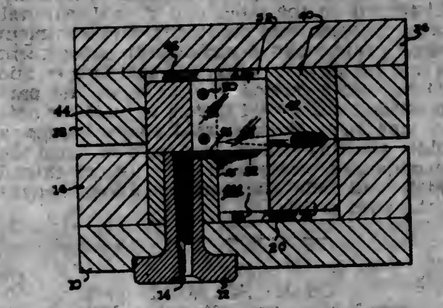
2,570,612
METHOD AND APPARATUS FOR REMOVING THE CRUSTS OF THE COOLING ELEMENTS OF A CONTINUOUSLY OPERATING CRYSTALLIZER
László Vâhl, Muiderberg, Netherlands, assignor to Werkspoor N. V., Amsterdam, Netherlands, a company of the Netherlands
Application June 1, 1948, Serial No. 30,294
In the Netherlands June 5, 1947
4 Claims. (Cl. 23—273)

1. A continuously operable crystallization apparatus comprising a container for crystallizing liquid, a plurality of hollow disc-like cooling elements journalled in said container on a substantially horisontal axis for rotative movement through the liquid and with their upper portions above the normal level of the crystallising mass, and a plurality of scraper members respectively cooperative with said cooling elements and mounted on said container adjacent the upper portions of said cooling elements and for movement between inoperative positions beyond said cooling elements and operative positions adja-



cent said upper portions of said cooling elements for removing crystallised crusts therefrom.

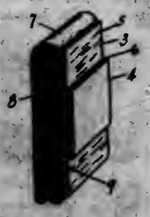
2,570,613
DEGATING DEVICE FOR PLASTIC MOLDS
Leroy W. Vinal, Leominster, Mass., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 8, 1948, Serial No. 37,722
4 Claims. (Cl. 18—42)



2. A degating mold comprising a pair of main plates for advance and retraction during the molding cycle, a molding plate on each main plate, a floating cavity plate in one molding plate, resilient means tending to thrust the floating cavity plate outwardly of its molding plate, a fixed complementary cavity plate in the other molding plate, a floating stripper block in the latter plate, resilient means tending to thrust the stripper block outwardly thereof in a direction opposite to the floating cavity plate, the respective molding plates acting to thrust the floating plate and block back inwardly as the mold closes, a sprue cavity, and a stripper blade on the block in position to strip the sprue from the article being molded, as the mold opens.

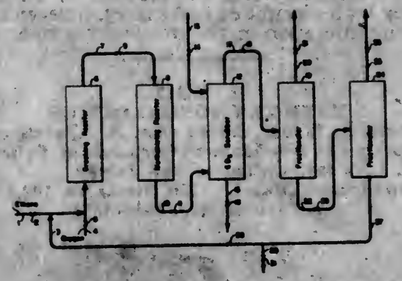
2,570,614
BINDING TAPE
Daniel J. Wall and George F. Reinhard, Jr., Grand Rapids, Mich., assignors to Sackner Products, Inc., a corporation of Michigan
Application July 26, 1946, Serial No. 686,596
10 Claims. (Cl. 154—83.6)

1. A flexible binding tape comprising a strip of flexible ribbon metal extending longitudinally of the binding tape for resisting binding stresses lengthwise thereof, a padding supporting strip of substantially stiff paper of a width substantially greater than the metal strip adhesively secured to the inner side of the metal strip with both edges projecting laterally substantially beyond the longitudinal side edges of the metal strip, and a padding of soft cellulose tissue wadding folded longitudinally upon itself and adhesively secured to the inner side of the paper strip, the inner adjacent folds of the wadding being adhesively secured together, the padding being of approximately the width of said supporting strip and ex-



tending outwardly beyond the opposite side edges of the metal strip, the opposite side edge portions of the padding support strip constituting means for supporting the padding outwardly beyond the opposite side edges of the metal strip, the portions of the padding supported by the padding supporting strip outwardly beyond opposite side edges of the metal strip constituting means for cushioning said edges of the metal strip against the article being bound.

2,570,615
METHOD OF REMOVING CARBON MONOXIDE FROM HYDROCARBONS
Charles H. Watkins, Brookfield, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 19, 1947, Serial No. 742,753
6 Claims. (Cl. 260—677)



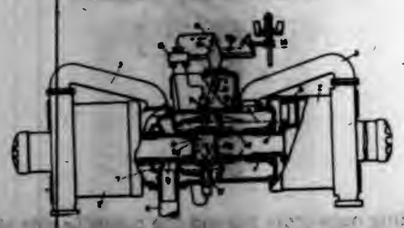
5. A process for preparing a hydrocarbon fraction relatively free from carbon monoxide which comprises contacting a mixture comprising carbon monoxide, hydrogen, and hydrocarbons, including olefins, at a temperature of from about 500° F. to about 900° F., a gas hourly space velocity of from about 10 to about 1000, based on hydrogen plus carbon monoxide, and a pressure such that a substantial portion of the reactants are in the vapor phase, with a catalyst prepared by reducing a mineral of the group selected from hematite, specular hematite, limonite, goethite, martite, and magnetite at a temperature of from about 800° F. to about 1200° F. to thereby substantially completely hydrogenate the carbon monoxide without effecting substantial hydrogenation of the olefins.

2,570,616

VARIABLE DISTRIBUTION OF FUEL SPRAY FOR DIRECT FUEL INJECTION INTERNAL-COMBUSTION ENGINES

Robert James Welsh, Rugby, England, assignor to The English Electric Company Limited, London, England, a British company

Application October 14, 1947, Serial No. 779,800
In Great Britain September 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 30, 1962
2 Claims. (Cl. 123—32.6)



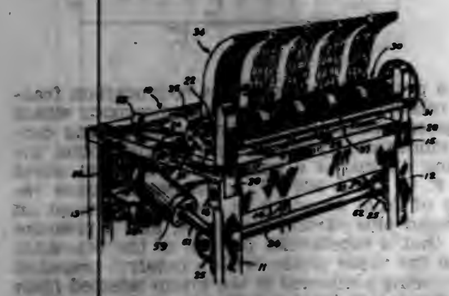
1. A direct fuel injection type internal combustion engine comprising a combustion cylinder, an engine piston adapted to reciprocate in the said cylinder, fuel pumping means, fuel injection means in supply connection with said pumping means adapted to spray the injected fuel along a comparatively restricted length of the combustion cylinder, fuel injection means in supply connection with the said pumping means adapted to spray the injected fuel along a comparatively extended length of the combustion cylinder, control means for the amount of fuel injected, and distributing means associated with the said control means and adapted automatically to connect the said pumping means with the said fuel injecting means adapted to spray the fuel over a comparatively restricted length when the said control means is in a position for comparatively low amount of fuel supply, and with the said fuel injecting means adapted to spray the fuel over a comparatively extended length when the said control means is in a position for comparatively high amount of fuel supply, independently of any alteration in the compression volume.

2,570,617

YARN TENSIONING DEVICE

Edward A. Wentz, Jersey City, N. J., assignor to Specialties Development Corporation, Belleville, N. J., a corporation of New Jersey

Application May 17, 1950, Serial No. 162,427
16 Claims. (Cl. 242—151)



1. In a yarn tensioning device, a roll having a peripheral yarn receiving groove, an arm having a yarn guide at one end, means for pivotally mounting said arm, a roller mounted on said arm positioned to extend into said groove with the yarn between said roller and the bottom of said groove, and resilient means for urging said arm in a direction to cause said roller to extend into said groove and apply pressure on yarn in the groove.

2,570,618

NUT AND PLATE TEMPORARY FASTENER

Edward Werner, Los Angeles, Calif., assignor to North American Aviation, Inc.

Application July 2, 1949, Serial No. 102,826
1 Claim. (Cl. 85—5)
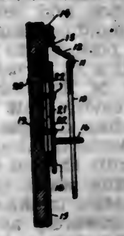


A fastener for engaging a threaded article to temporarily secure the same in substantial alignment with a bolt hole in a surface member, comprising a collet having integral therewith and extending therefrom a plurality of normally inwardly sprung fingers, serrations on the outer tip portions of said fingers to engage the threads of said article, a mandrel slidably mounted on said collet and having on one end thereof an inclined surface for engaging the inner side of said tip portions to expand the same outwardly, an abutment on the other end of said mandrel, a spring between said collet and said abutment for urging said inclined surface into engagement with said tip portions to expand said fingers, and a tubular sleeve carried by said collet and partially encompassing said fingers to limit the outward movement thereof, said sleeve having a shoulder abutting said surface member when the unencompassed portions of said fingers extend through said hole and said serrations engage said threaded article.

2,570,619

CHART SUPPORT

Ben Whitehouse, Milwaukee, Wis.

Application November 20, 1945, Serial No. 629,731
1 Claim. (Cl. 211—84)



A device of the character described, comprising an annular ring, a mounting arm, a vertical board, said mounting arm hingedly attached to said board at one end, said ring hingedly attached to said mounting arm at the other end, a horizontal pin, said horizontal pin secured to a support, said support slideably mounted in said board, said pin extending outward from said support whereby said pin is vertically adjustable.

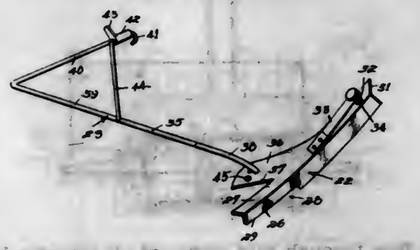
2,570,620

MARKING GAUGE FOR PLOWSHARES

Lee O. Wiese, Perry, Iowa

Application October 19, 1949, Serial No. 122,278
3 Claims. (Cl. 33—174)

3. A gage to serve as a guide for marking a worn plow share and its landside portion to provide lines for the removal of its worn point and cutting edge, comprising, an elongated body including back and front ends also inside and outside edges, the outside edge having a downwardly extending flange, the inner edge including a forwardly and inwardly inclined extension provided with a plurality of pivot openings, a marker rod having one end adapted to be pivotally mounted in any of said openings, the other end of said rod terminating in a rearwardly extending portion, a stop device supported by the free end of said portion, and a movable stop device mounted



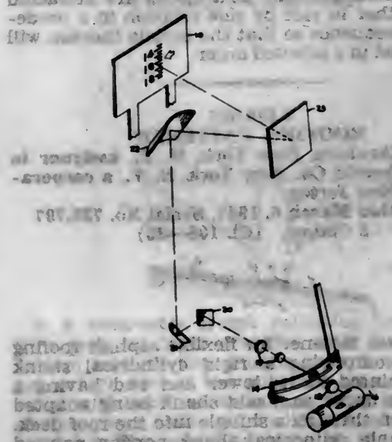
on and near the back end of said elongated body, said body being adapted to be placed on the upper surface of the landside portion of a plow share with its stop device engaging the back edge of a plow share, with its front edge terminating near the point end of the share and with the downwardly extending flange adjoining the landside of the share for locating the elements of the gage whereby, the lower edge of the front end of said flange, the front end of said body, the front edge of said inclined extension and said rod will serve as marking guides.

2,570,621

INDICATION PROJECTOR FOR WEIGHING SCALES

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application August 4, 1947, Serial No. 766,079
2 Claims. (Cl. 88—24)



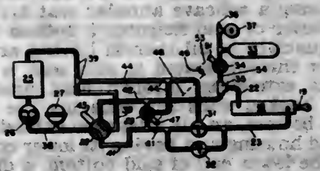
1. In a weighing scale employing optically projected weight indication, in combination, a projection chart that is carried by weighing mechanism and that has limited light absorbing capacity, a series of indicia on the chart, said indicia being greatly enlarged in a direction transverse to the path of the chart, a light source for projecting a beam of light through the chart, a screen, and a projection lens system between the chart and the screen comprising a first cylindrical optical element of short focal length located near the chart for focusing images on the screen of lines on the chart extending transverse to the path of the chart and a second cylindrical element of long focal length for focusing images of lines on the chart extending along the path of the chart, the plane containing the optical axis and the axis of one of the cylindrical optical elements being at substantially ninety degrees rotation about the optical axis from the corresponding plane of the other cylindrical optical element, whereby the indicia of the chart are highly magnified only in the direction of travel of the chart.

2,570,622

AIRCRAFT ENCLOSURE OPERATING MEANS

Addison O. Willis, Columbus, Ohio, assignor to Curtiss-Wright Corporation, a corporation of Delaware

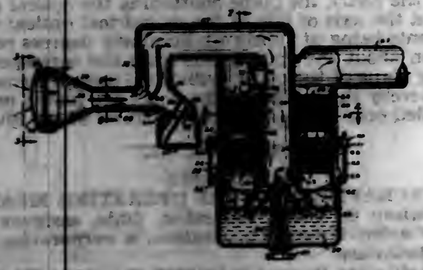
Application December 13, 1947, Serial No. 791,489
7 Claims. (Cl. 121—38)



1. Operating means for an aircraft cabin movable closure member; said operating means comprising a fluid motor having a stationary cylinder and a movable piston rod connected with the closure member, a primary source of fluid pressure and a fluid reservoir therefor, a control valve having a pressure inlet from said source and a return outlet to said reservoir, the control valve having ports connected to first and second conduits which are respectively connected to opposite ends of the cylinder, the control valve being reversible to connect either one of said conduits with said pressure inlet and the other thereof with said return outlet, the first conduit being connected with said pressure inlet to operate the motor for closing the closure member and the second conduit being connected with said pressure inlet to operate the motor for opening the closure member, a pressure reducing valve in said first conduit to limit the force applied by the motor in closing the closure member, a passage around said pressure reducing valve containing a check valve arranged to open in the presence of return flow in the first conduit, a by-pass valve arranged when open to place said conduits in communication with each other and with said reservoir for enabling manual operation of the closure member, a secondary source of pressure, a shuttle valve connecting said secondary source to said second conduit to provide for emergency operation of the motor to open the closure member, said shuttle valve during such emergency operation closing communication through the second conduit between the control valve and the cylinder, an emergency valve for controlling said secondary source and disposed between the latter and said shuttle valve, and a play connection between the emergency valve and said by-pass valve for opening the latter upon opening of the emer-

gency valve and for permitting operation of the by-pass valve independently of the emergency valve when the latter is closed.

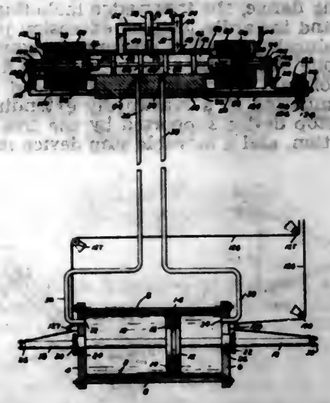
2,570,623
CARBURETOR AIR CLEANER
Joe W. Winter, Inyokern, Calif.
Application June 4, 1947, Serial No. 752,841
1 Claim. (Cl. 183—15)



In an air cleaner, a tubular housing provided with a hanger bracket on its exterior surface, there being a concave annular seat arranged on the exterior of said housing, a bottom for holding a quantity of oil therein having an annular shoulder thereon seated in said seat, a plurality of bolts extending through said bracket and having hooked ends for engaging the shoulder on said bottom, an air inlet pipe extending down into said housing and having its lower end spaced above the lower end of said bottom, a distributor provided with a threaded portion arranged in threaded engagement with said inlet pipe, said distributor being provided with a plurality of spaced nozzles extending below the static level of the oil in said bottom, there being a plurality of spaced openings in each of said nozzles, a guide member arranged in said bottom, an anchor bolt extending through said guide member and arranged in threaded engagement with said distributor, a pair of filter casings arranged in said housing and threadedly engaging said air inlet pipe, said casing being arranged in superimposed relation above said distributor, chains extending between said distributor and said housings and connected thereto, a filter element arranged in each of said casings, the filter element in the lower casing being of a coarser quality than the filter element in the upper casing.

2,570,624
FOLLOW-UP PNEUMATIC SERVOMOTOR
Ralph D. Wyckoff, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application November 19, 1946, Serial No. 710,745
5 Claims. (Cl. 121—41)

1. A pneumatic actuator comprising a cylinder having gas inlet and outlet ports, a piston movably disposed in said cylinder for movement under the influence of gas admitted to said cylinder through said inlet port, a gas outlet duct connected to said outlet port, a thin disc closing said outlet duct and having a sharp-edged circular orifice formed in said disc for regulating the speed of movement of said piston by regulating the speed of exhaust of gases to atmosphere therethrough, the inside diameter of said outlet duct being at least fifteen times the diameter of the orifice, and means for supplying gas to the inlet of the actuator at a pressure higher than that necessary to produce critical flow through said orifice at all actuator load conditions.



2,570,625
MAGNETIC TOY BLOCKS
Harry Zimmerman, New York, and Victor Zimmerman, Elmhurst, N. Y.
Application November 21, 1947, Serial No. 787,296
2 Claims. (Cl. 46—24)



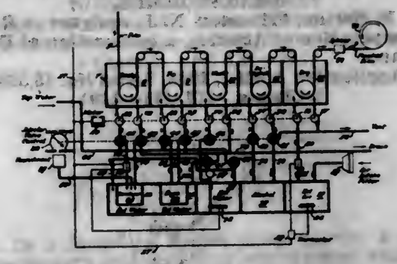
1. A set of toy blocks each provided with indicia on the front face thereof, magnetic means on said blocks providing a magnetic field at each of the opposite side faces thereof, said blocks being of a plurality of types, one of said types of blocks having the magnetic fields at the opposite sides thereof polarized in the same direction, and another of said types of blocks having the magnetic fields at the opposite sides thereof polarized in opposing directions whereby said blocks are attracted to each other in side by side relation in a predetermined sequence so that the indicia thereon will be arranged in a selected order.

2,570,626
ROOFING FASTENER
Herbert Abraham, New York, N. Y., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application March 6, 1947, Serial No. 732,787
2 Claims. (Cl. 108—33)



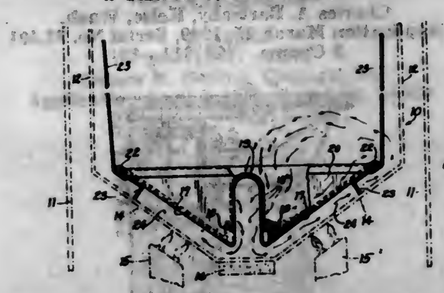
1. A metal fastener for flexible asphalt roofing shingles, comprising a rigid cylindrical shank portion pointed at its lower end and having a head at its upper end, said shank being adapted to be driven through a shingle into the roof deck, and a pliable cylindrical shank portion pointed at its upper end and extending upward from the head of the first mentioned shank in axial alignment with said shank, said pliable pointed shank being adapted to penetrate upward through an exposed portion of an overlying shingle and to be bent down thereupon to clinch it firmly in place, said rigid and pliable shank portions being permanently united to form a unitary structure.

2,570,627
FILM PROCESSING DEVICE
Frederick G. Albin, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1947, Serial No. 782,917
12 Claims. (Cl. 95—94)



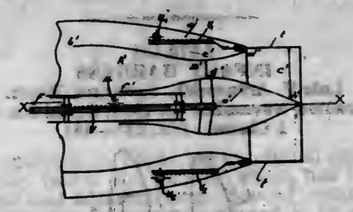
7. A film processing machine for rapidly passing a large volume of film processing fluid in contact with a moving film, comprising means for advancing said film, means for directing said fluid to the emulsion side of said film in a plurality of narrow streams moving at right angles to said film, the termination of said means being closely adjacent said film, and means for removing said fluid after contact with said film in a second plurality of narrow streams, the termination of said fluid removing means being closely adjacent said film, said means for directing said fluid to said film being interleaved with said means for removing said fluid from said film.

2,570,628
DEEP FAT FRYER
Frank A. Anetsberger, Chicago, Ill., assignor to Anetsberger Brothers, Inc., Northbrook, Ill., a corporation of Illinois
Application January 8, 1949, Serial No. 69,970
2 Claims. (Cl. 99—408)



2. A removable crumb collecting tray for use in a deep fat fryer provided with a pot having bottom sections that incline toward a longitudinal center line of the pot, said tray being provided with inclined bottom sections terminating at the lower ends in parallel spaced-apart upturned baffles providing traps at the lowermost portion of each inclined bottom section of the tray, depending legs on the under side of the tray for spacing the bottom sections thereof from the bottom sections of the pot, end walls for the tray secured to the ends of the bottom sections of the tray, and an inverted U-shaped member of perforated sheet metal arching the space between said baffles and attached at the lower edges to said baffles and secured at the ends to said end walls of the tray whereby crumbs carried into the tray by descending currents of hot fat flowing downwardly to and through the perforations of said member during cooking operations are collected within said traps.

2,570,629
ADJUSTABLE PIPE FOR THE INTAKE OF AIR AND EXPANSION OF THE DRIVING GASES IN REACTION JET PROPELLERS FOR PROJECTILES AND VEHICLES
René Anxionnaz and Roger Jean Imbert, Paris, France, assignors, by direct and mesne assignments, of one-half to said Anxionnaz and one-half to Societe Rateau (Societe Anonyme), Paris, France, a company of France
Application September 17, 1946, Serial No. 697,426
In France October 5, 1945
1 Claim. (Cl. 60—35.5)

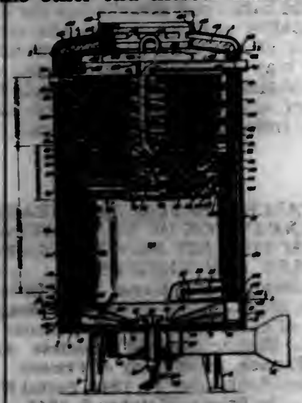


In a jet propulsion engine for projectiles, aircraft and the like vehicles adapted to move at supersonic speeds, a jet forming nozzle arrangement providing for the transformation between the potential and kinetic forms of fluid energy, comprising an outer shaped casing provided with an outlet opening, a throttle member arranged in said casing near said outlet opening, said throttle member having a spindle shaped outer surface providing between it and said casing an annular convergent divergent jet forming passage having a neck of restricted area, means for shifting said throttle member longitudinally of the outer casing for adjusting the cross-section at the neck in accordance with the conditions of operation, a telescopic tube fitted at the outlet of the outer casing for extending same around said spindle shaped throttle member and means for controlling the length of projection of said telescopic tube.

2,570,630
HEATING COIL
Perry Arant, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif., a corporation of California
Application August 6, 1948, Serial No. 43,720
7 Claims. (Cl. 122—250)

3. A heating coil, comprising: a preheater section having an inlet and an outlet and including a plurality of pancake coils connected in series; a generating section having an inlet and an outlet and including upper and lower pancake coils with at least one pancake coil disposed therebetween and including means interconnecting the outlet of said upper pancake coil with the inlet of said lower pancake coil, and means connecting the outlet of said lower pancake coil with the inlet of said intermediate pancake coil; and a water wall section comprising a continuous coil having one end thereof

connected with the outlet of said preheater section and the other end thereof connected with



the inlet of said upper pancake coil of said generating section.

2,570,631
INFANT HARNESS
Lois V. Arrasmith, Spokane, Wash.
Application November 13, 1948, Serial No. 59,953
1 Claim. (Cl. 227—49)

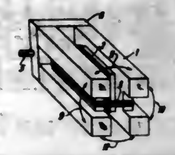


A harness for children comprising a waist encircling belt having initially free ends, upper and lower loops carried by one end portion of said belt in overlying relation thereto and projecting outwardly therefrom, loops carried by and extending longitudinally from the other end of said belt and each disposed in straddling relation to a companion loop carried by the first mentioned end of the belt, and an anchoring strap secured at one end to the belt, said anchoring strap having its free end portion passed upwardly through portions of the first mentioned loops exposed through the second loops in outwardly disposed relation to the second loops and then being folded back upon itself about the upper one of the first mentioned loops and downwardly under the lower one of the first loops in crossed relation to the lower one of the second mentioned loops.

2,570,632
IMPROVING THE CUT GROWTH RESISTANCE OF BUTADIENE-VINYL PYRIDINE RUBBERY COPOLYMERS
Bernard C. Barton, Clifton, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1948, Serial No. 18,496
10 Claims. (Cl. 260—81.5)

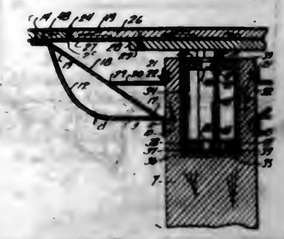
1. As a new composition of matter, cured butadiene-vinyl pyridine rubbery copolymer the cut growth resistance of which is substantially enhanced by curing in the presence of a material selected from the group consisting of ring-carboxylic aromatic monocarboxylic and polycarboxylic acids and anhydrides of such polycarboxylic acids, in an amount ranging from 0.1 to 6% by weight based on the weight of said rubbery copolymer.

2,570,633
INTERMEDIATE FREQUENCY TRANSFORMER
Loy E. Barton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1948, Serial No. 18,353
5 Claims. (Cl. 171—119)



1. An inductance device comprising a parallelepiped magnetic core member having four side faces each having a groove therein and a pair of end faces each having two grooves therein intersecting at substantially the center of said end face, one of said grooves at each end face being of greater depth than the other at the intersection of said grooves and each connecting the grooves of oppositely disposed side faces thereby forming two continuous grooves about the periphery of said core member, a first winding in one of said continuous grooves, a second winding in the other of said continuous grooves, and magnetic means disposed in close proximity to each of said side faces of said core member for changing the magnetic reluctance of the flux paths of the core member with respect to said windings.

2,570,634
PEDESTAL SUPPORTED ROTARY TABLE TOP CENTER SECTION
Charles A. Bartschy, Kelso, Wash.
Application March 25, 1949, Serial No. 83,401
2 Claims. (Cl. 311—33)



1. In a table, a pedestal formed in its upper end with a recess, a hollow cylinder fitting said recess, said cylinder having an open upper end and a closed bottom, a lower ball thrust bearing supported on the bottom of said cylinder having an annular upper race, a spindle positioned axially in said cylinder having a reduced lower end portion extending downwardly through the opening of said annular upper race, said reduced lower end portion defining a lower shoulder on said spindle supportably resting upon said upper race, an upper annular bearing fixed in the upper end of said cylinder, said spindle having a reduced upper end portion extending upwardly through the opening in said annular bearing, said reduced upper end portion defining an upper shoulder on said spindle bearing against the underside of said annular bearing, a circular rotary table top section fixed centrally upon said spindle above said upper annular bearing, and an annular stationary table top section fixedly mounted on said pedestal and surrounding said rotary table top section.

2,570,635
NOZZLE FOR FAUCETS
Oscar F. Beyer, Jr., Grand Haven, Mich.
Application September 9, 1949, Serial No. 114,897
3 Claims. (Cl. 137—111)



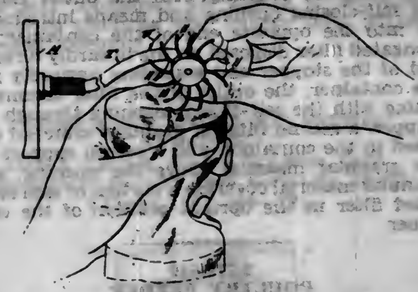
1. In a faucet, a faucet spout having a bore therethorugh and an outer end formed with internal and external screw threads, a first tube substantially smaller in external diameter than said spout, said tube having an axial bore and an inner end formed with external screw threads engaging the internal screw threads on the outer end of the spout, the bores of said spout and said first tube being axially registered, a second tube rotatable and slidable on said first tube, said second tube having an outer end formed with a curved nozzle and an inner end formed with an external annular shoulder, a spring washer circumposed on said first tube and positioned between the outer end of the faucet spout and the inner end of said second tube, a flat washer circumposed on said second tube at the outer side of said annular shoulder, and a nut threaded on the external screw threads on the outer end of the faucet spout, said nut having an outer end portion spacedly circumposed on said annular shoulder, said outer end portion having a radially inwardly extending annular flange surrounding said outer tube and bearing against the outer side of said flat washer.

2,570,636
SORTING CASE
Sidney R. Belling, Chicago, Ill.
Application April 7, 1948, Serial No. 19,560
3 Claims. (Cl. 312—241)



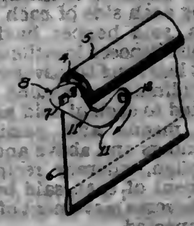
1. A device of the class described comprising a supporting frame, a sorting case pivotally mounted to said frame, a table top pivotally secured to said frame, link means secured to said case and top whereby movement of said top will automatically cause a corresponding movement of said case, a plurality of cells in said case, and a stepped member positioned in each of said cells with one edge thereof adjacent the front edge of one of the walls of said cell and extending diagonally rearwardly substantially to the rearmost opposite corner of said cell.

2,570,637
METHOD OF AND APPARATUS FOR MENDING HOSIERY
Merle M. Brown, Princeton, Ky., assignor, by mesne assignments, to Marvel Specialty Company, Incorporated, Paducah, Ky., a corporation of Kentucky
Application October 14, 1949, Serial No. 121,393
10 Claims. (Cl. 66—1)



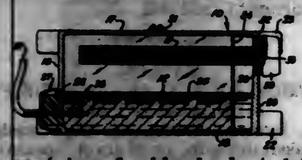
1. Apparatus for restoring to original condition a knitted fabric one loop of which has become enlarged and adjacent loops reduced, comprising, in combination, a spindle adapted to be rotated about its longitudinal axis, a hub fixed upon the spindle and rotatable therewith, and a circular series of self sustaining work engaging elements mounted upon said hub, said elements being adapted to successively engage the work when the hub is rotated, the work engaging surfaces of said elements at the outer ends thereof facing forwardly and outwardly and being smooth and no wider than a normal course of the fabric to be restored.

2,570,638
SHADE ROLLER WINDER
Vincent P. Brown, Williamsport, Pa.
Application August 6, 1948, Serial No. 42,855
2 Claims. (Cl. 31—3)



1. In a winder for a shade roller spring shaft, the shaft having a flattened end, a unitary plate having a longitudinally elongated portion and a transversely extending portion connected at one end to an end of said longitudinal portion, said longitudinal and transverse portions forming a crotch between them for receiving an implement for turning the winder, said longitudinal portion being formed at the end thereof remote from said transverse portion with an elongated opening for removably and non-rotatably receiving the flattened end of the shade shaft.

2,570,639
CONTAINER FOR BLOOD
Asmus Cahan, New York, N. Y.
Application February 24, 1949, Serial No. 78,119
7 Claims. (Cl. 128—214)



1. In a container for blood adapted for use in blood transfusions, the container having at least one opening, a stopper for the opening, at least one self-closing opening through the stopper, a drip indicator coacting with the outlet end of the self-closing opening and means introducing air into the opposite end of the container; an elongated filter disposed on the inwardly directed end of the stopper and extending upwardly into the container, the outlet of the filter communicating with the self-closing opening through the stopper, a second filter of granular material disposed in the container, and a screen support for the granular material above the opening, said granular material covering a portion of said elongated filter in the upright position of the container.

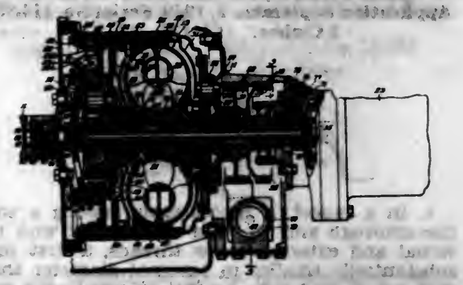
2,570,640
POULTRY FEEDER
John J. Carmo, Arlington, Mass.
Application October 14, 1945, Serial No. 622,989
2 Claims. (Cl. 119—54)



1. In a poultry feeder, the combination of a trough, a hopper provided with lower side walls positioned over said trough, a plurality of individual agitators for causing feed to flow from said hopper to the sides of said trough at the areas of agitation, each of said agitators comprising a U-shaped rod with the bottom portion thereof extending substantially parallel and close to the bottom of said trough, individual supports for each said agitator attached to the hopper, pivotal means connecting each side of each said agitator to said supports, said hopper having openings through oppositely disposed locations of the lower side walls, and at least one transversely extending bar with longitudinally extending portions at each end connected to each of said agitators close to said pivotal means and passing laterally through said openings and above and beyond the walls of said trough, whereby reciprocating up and down movement of each said bar will cause reciprocating transverse movement of the agitator to which it is connected.

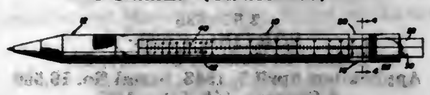
2,570,641
SPREADING FLUID CLUTCH
Harold E. Carnagua and Donald W. Kelbel, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Original application December 16, 1943, Serial No. 514,684. Divided and this application October 31, 1945, Serial No. 706,284
1 Claim. (Cl. 192—85)

A friction type coupling comprising two members to be frictionally connected, one of said members having a pair of spaced friction surfaces facing each other, the other of said members comprising a hub element and a pair of rings splined thereto so as to float axially thereupon, each of said pair of rings having a friction surface adapted to engage with one of said first named friction surfaces, one of said rings being formed with an annular channel therein having inner and outer substantially cylindrical surfaces facing each other and a substantially radial surface connecting these surfaces, said other ring being provided with an annular piston portion disposed within said channel, a fluid seal carried by said piston portion and in sliding contact with said outer cylindrical surface, a fluid seal carried



by said inner cylindrical surface and in sliding contact with said piston portion, said hub being formed with a peripheral groove in communication with a plurality of radial openings through said inner cylindrical surface, a pair of fluid seals carried by said hub element on either side of said peripheral groove for sealingly connecting said hub element and said inner cylindrical surface, means for introducing fluid under pressure into said peripheral groove, radial openings and channel to separate said rings for engaging the friction surfaces thereon with said first-named friction surfaces, and spring means between said rings for yieldingly holding the rings in their disengaged positions.

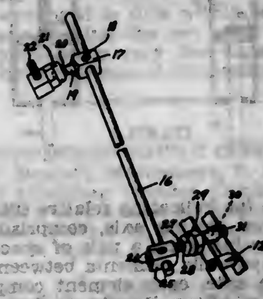
2,570,642
SLIDE RULE PENCIL
Gerald L. Cherymisin, Alta Loma, Calif.
Application March 30, 1951, Serial No. 218,405
5 Claims. (Cl. 235—70)



2. A calculating device comprising an elongated transparent cylinder having an axial bore, said bore being substantially H-shape in cross-section, a pair of back-to-back channel-shaped graduated slides received in said bore for relative sliding movement, each of said slides having an end portion projecting outwardly from one end of the cylinder, said slides having cooperating logarithmic scales thereon, and a rigid, transparent crosspiece integrally formed with the cylinder and having hairlines therein extending transversely across the slides.

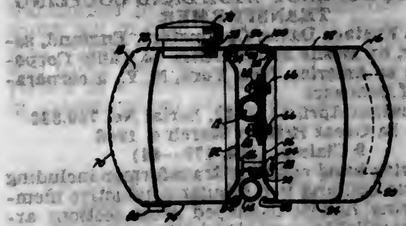
2,570,643
DOOR CONTROL MECHANISM
John G. Childers, Spokane, Wash.
Application May 4, 1948, Serial No. 25,851
1 Claim. (Cl. 262—59)

A device for connecting a sliding door with a sprocket chain by means of which the closure is moved to open and closed position, said connection comprising a bracket of a length adapting it to be secured against a door transversely thereof and project outwardly from a side edge thereof, the outer end portion being formed with an opening, a socket, a threaded stem projecting laterally from a side of said socket and passing through the opening in the outer end position of said bracket a nut upon said stem securing the stem in place through the opening, a bar circular in cross section, a block formed with a transverse bore circular in cross section through which one end position of said bar passes, the block being thereby mounted for movement along and circumferentially of the bar to adjusted positions, a set screw threaded through an opening formed in said block transversely of the bore and releasably securing the block in an adjusted position upon the bar, a



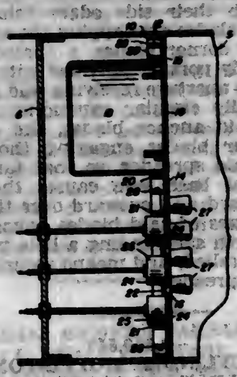
neck projecting from said block and having a ball at its end rotatably and tiltably mounted in said socket, a second block formed with a transverse bore circular in cross section and through which the other end portion of said bar passes, a set screw threaded through an opening formed in the second block transversely of the bore and releasably holding the same in an adjusted position upon the bar, a neck projecting from the second block at the opposite side of the bar from the neck of the first block and having a ball at its end, a second socket into which the ball of the record block is rotatably and tiltably mounted, a threaded stem projecting from the second socket and being of a length adapting it to pass through meeting links of a sprocket chain and connecting the said ends of the chain and a nut screwed upon the outer end of said stem.

2,570,644
CONTAINER ASSEMBLY
Clarence E. Christopherson, Inglewood, Calif., assignor, by mesne assignments, to Jack and Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application July 14, 1948, Serial No. 38,702
1 Claim. (Cl. 224—32.1)



A unitary dual purpose container assembly adapted for mounting on the cross-bar of a motorized bicycle comprising: a first hollow, elongated accessory container having an inner wall lying substantially in a vertical plane and an outer curved wall the extensions of which are joined to said inner wall to form a flange extending inwardly substantially at right angles to the general plane of said inner wall; cross-bar clamping means adapted to engage a cross-bar and clamp said fuel container thereto; a second hollow, elongated container substantially symmetrical with said accessory container and adapted to be mounted in juxtaposition thereto and having a flange facing the flange of said accessory container; and a cover strip adapted to overlie and conceal the gap between the assembled containers; said strip having means inter-engaging with said flanges to retain said strip in position when said containers are placed in assembled relation to comprise said unitary dual purpose container assembly.

2,570,645
INSTRUMENT BOARD FOR MOTOR VEHICLES
Jack A. Church, Corona Del Mar, Calif.
Application April 12, 1948, Serial No. 20,417
1 Claim. (Cl. 180—90)



In combination with a motor vehicle body having a cowl, an instrument board comprising a skeleton instrument support including a continuous open frame extending from side to side of the vehicle body and attached to the cowl and to the sides of the body and having means for mounting instruments therein, and a flat flangeless face plate extending from side to side of the vehicle body and removably secured to and covering the instrument support, said face plate being provided with openings through which the instruments are exposed to view and for manipulation, said means for mounting instruments including a plurality of plates mounted within the frame and each having a plurality of openings to receive a plurality of instruments arranged in a group, the instruments of each group being exposed through an opening of the face plate.

2,570,646
EARTH ANCHOR
Elmer K. Cole, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application March 27, 1948, Serial No. 17,499
2 Claims. (Cl. 189—92)

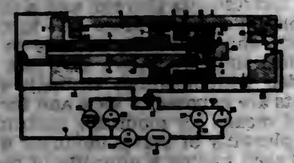
1. An earth anchor assembly comprising a guy rod, an anchor body comprising a sheet metal

member of substantially rectangular shape having a substantially central bore slidably receiving said guy rod and having an octagonal base area surrounding said bore for engagement with a tamping bar, said anchor body having a plurality of slits therein extending from said octagonal base outwardly to the sides of said member and forming four short side blades and four longer pointed corner blades, each of said side blades being interposed between its respective corner blades, all of said blades being bent downward along lines located at the edges of said octagonal base area to form a generally conical anchor body, the corner blades being bent into



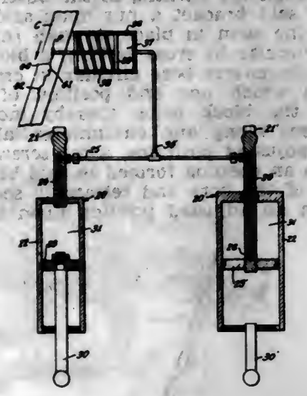
position with their side edges being adjacent, and the side blades overlapping the adjacent portions of the corner blades, a spreader member having a body portion provided with a substantially central aperture receiving said guy rod and a substantially circular expanding portion for spreading said anchor blades, the ends of the longer corner blades engaging the expanding portion of said spreader, so that tamping upon the octagonal base area causes the blades to move downward and outward over the spreader, the outer edges of said blades engaging in undisturbed earth surrounding a hole in which the anchor is installed, and means securing said guy rod to said spreader.

2,570,647
POWER CYLINDER AND PISTON WITH LEAKAGE CONTROL
Gerard A. Cormier, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 3, 1947, Serial No. 727,286
13 Claims. (Cl. 121—1)



1. In combination, a cylinder, a piston slidable in said cylinder and having a peripheral recess between its ends and having a piston rod, fluid inlet and discharge passages communicating with the interior of said cylinder beyond opposite ends of said piston, and means including a passage through said piston rod opening into said recess for establishing fluid pressure within said recess substantially equal to the fluid pressure within said cylinder beyond one end of said piston to thereby prevent substantial flow of fluid between said recess and said one cylinder end.

2,570,648
TRACK RECORDER
Ernest A. Crawford, Cliffside Park, N. J., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application June 7, 1947, Serial No. 753,247
6 Claims. (Cl. 116—124)



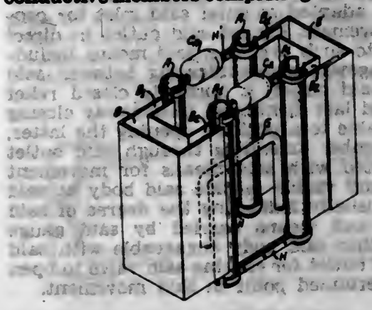
1. A device for indicating relative tilt between a car body and the car axle, comprising a hydraulic system including a pair of spaced, communicating hydraulic elements between the car body and the axle, each element comprising a cylinder and a piston therein to form a fluid chamber, the piston of one element and the cylinder of the second element being connected to the car body to move therewith, and the cylinder of the first element and the piston of the second element being connected to the axle to move therewith.

2,570,649
COMPOSITE WIRE FOR SPRAYING A NONDRAWABLE METAL
Charles Davidoff, New York, N. Y., assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y., a corporation of New Jersey
No Drawing. Application March 27, 1948, Serial No. 17,593
7 Claims. (Cl. 106—193)

1. A composite wire for heat-fusible material spray guns of the wire feed type comprising a spray gun wire substantially consisting of a heat-fusible non-drawable metal in substantially subdivided form mixed with and held to spray wire shape by a synthetic plastic as a binder substantially eliminatable from the metal spray of the gun by the heat of the gun.

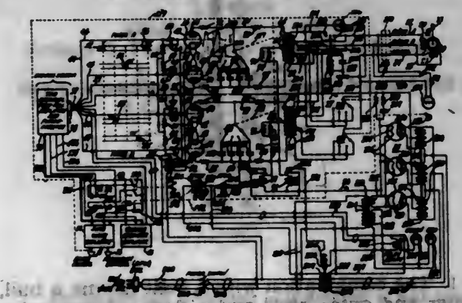
2,570,650
HIGH-FREQUENCY WIDE BAND COUPLING TRANSFORMER
Norman Eustace Davis, Chelmsford, England, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 11, 1947, Serial No. 740,830
In Great Britain March 4, 1946
9 Claims. (Cl. 178—44)

9. A wide band coupling transformer including a coupling coil and two tubular conductive members having hollow U-shaped cross-sections arranged parallel to each other substantially to enclose said coupling coil, conductors interconnecting said conductive members at given ends thereof and capacitors interconnecting said members at the other ends thereof, at least one of said conductive members comprising at least two parts,



one part arranged to slide within the other, and means for adjusting the two parts of said conductive member to vary the distance between said two hollow U-shaped conductive members.

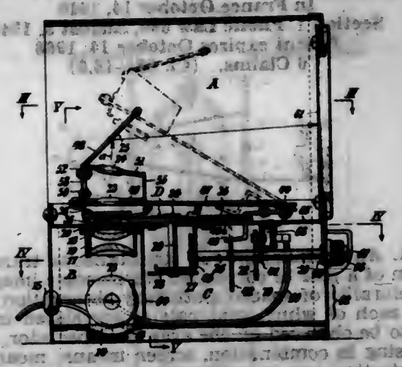
2,570,651
THYRATRON POWER INVERTER
Galan W. Demuth, Moorestown, N. J., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application October 15, 1949, Serial No. 121,604
24 Claims. (Cl. 318—231)



1. A power supply system for high speed industrial motors and the like, comprising a pair of thyratron inverters of the full-wave type, each having a balanced output anode circuit including an output transformer having a center tapped primary winding, a pair of series resistors connected with the terminals of said primary winding in each side of said anode circuit and constituting series arms of a resistance-capacitance network, a capacitor connected across the anode circuit between the junctions of the series connected resistors and constituting a shunt arm of said network, a direct-current power supply circuit for said inverters having a positive supply connection with the center tap of each output transformer primary, a low inductance air-core choke coil in each of said supply connections, a load resistor connected in parallel with each of said choke coils, and means for exciting said inverters at a predetermined high frequency and in predetermined phase relation to each other.

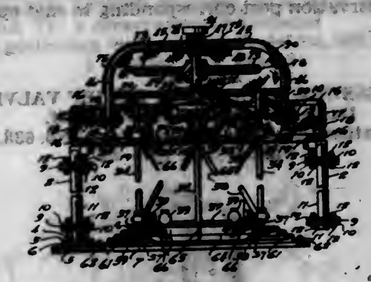
2,570,652
PICTURE DISK VIEWING PROJECTOR
James J. Dilks, Haddon Heights, N. J.
Application May 4, 1949, Serial No. 91,259
4 Claims. (Cl. 88—27)

1. A film viewing apparatus comprising a casing with a viewing screen at one side thereof, a source of illumination forming a light beam within said casing, a condensing lens aligned with and penetrated by said light beam, a turntable within said casing for carrying a film disk with annularly arranged pictures, the movement of said turntable serving to bring said pictures successively into the path of said light beam above said condensing lens, a support pivotally mounted within the casing above the turntable and adapted to be swung clear of the turntable for changing film disks, means carried by said support, including



ing a projecting lens positioned in the path of the light beam, for projecting an image to the screen, a cam having operative contact with a member constituting a part of said pivotal support, and means including a manually operated element mounted exteriorly of said casing for rotating said cam to effect small changes in the relative positions of said support and turntable to vary the distance between said condensing lens and projecting lens and thereby focus the image on the screen.

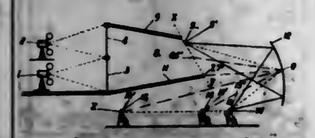
2,570,653
AERIAL CAMERA CARRIAGE
Guy C. Dillard, Fort Worth, Tex.
Application February 18, 1946, Serial No. 648,270
5 Claims. (Cl. 74—5.22)



1. In a camera carriage for aircraft, or the like, the combination with a main supporting frame rigidly mounted in an airplane fuselage, a circular sub-frame swingingly suspended on opposite pivots in said main frame, a camera frame having pivotal support on opposite sides suspending the same in said sub-frame and a camera supported therein, means slidably supported on said camera frame providing for the rotation of said camera thereon, said pivotal supports of said camera frame arranged transversely of the axis of the pivotal supports of said sub-frame, a vertically pivoted driven wheel rotatably mount-

ed in the top of said camera frame capable of transmitting a gyroscopic action thereto, and means comprising straps and screws for adjustably securing a camera in said camera frame.

2,570,654
STEREOSCOPIC MOTION-PICTURE SYSTEM
Lucien Jules Emile André Dedin, Canet-Plage, France
Application November 13, 1947, Serial No. 785,655
In France October 14, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires October 14, 1966
6 Claims. (Cl. 88—16.6)



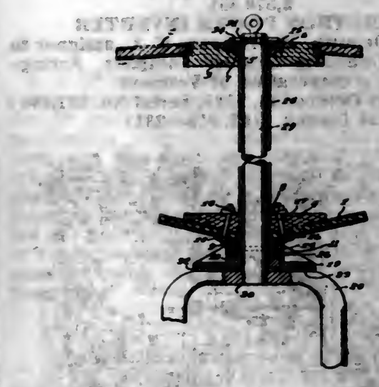
1. An installation for simultaneous transmission of a pair of correlated stereoscopic images to a plurality of spaced stationary observation posts at each of which said pair of correlated images is to be observed by the eyes of a spectator, comprising in combination, screen means; means for projecting two correlated stereoscopic images on said screen means; a stationary reflector arranged so as to be directly visible from each of the observation posts; and a plurality of pairs of optical systems, each of said pairs of optical systems corresponding to one of the observation posts and each optical system including a plane mirror, said optical systems being arranged between said screen and said stationary reflector in such a manner that each of said pairs of optical systems reflects by means of the plane mirrors thereof the correlated stereoscopic images appearing on said screen onto said stationary reflector, said optical systems and said stationary reflector being constructed and shaped so that the two correlated stereoscopic images reflected by each pair of said optical systems are reflected and concentrated by said stationary reflector into the corresponding eyes of a spectator located at the observation post corresponding to said optical system.

2,570,655
PRESSURE GAUGE AND RELIEF VALVE
Daniel O. Bruge, Oakland, Calif.
Application December 29, 1945, Serial No. 638,283
1 Claim. (Cl. 137—53)



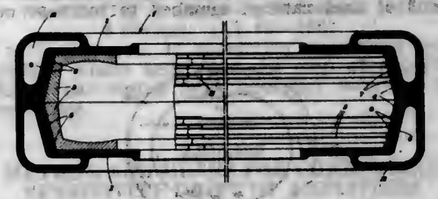
A combined pressure gauge and relief valve comprising a body formed with an open-ended through passageway, one open end being an inlet for gas under pressure and the other end being an outlet for said gas, means interposed between said inlet and said outlet responsive to the pressure of gas adapted to enter said inlet for progressive movement toward said outlet in direct proportion to such pressure, said means including a passageway communicating between said inlet and said outlet, a normally closed relief valve in said last mentioned passageway closing it and movable to a position opening the latter, a gauge member extending through said outlet and connected with said means for movement therewith and visible outside said body at said outlet for visually indicating the degree of said movement, and means carried by said gauge member within said body engageable with said body at said outlet for causing said valve to open at a predetermined point in said movement.

2,570,656
BOAT TOWING ASSEMBLY
Jack G. Dustin and Lyle Johnson, Hadlock, Wash.
Application January 6, 1948, Serial No. 792
2 Claims. (Cl. 9—1)



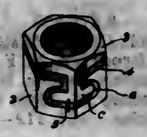
1. The combination with a boat having a hull, inner and outer keels and a deck, of means for towing the boat on land behind an automobile or the like and comprising a block having a screw threaded opening and provided at opposite sides with extensions which project longitudinally of the hull and outer keel and beyond the ends of the block, the outer keel having a recess receiving the block, said extensions of the block comprising upper flanges secured to the hull and lower spaced flanges secured to the sides of the outer keel, a substantially vertical tube positioned within the boat and having its upper end secured to the deck, the lower end of the tube being open and screw threaded and engaging within the screw threaded opening of the block, a separate saddle plate arranged below said outer keel and including a pair of spaced upstanding flanges receiving the lower flanges of the block extensions between them so that the block and adjacent portions of the outer keel engage upon the saddle plate, the saddle plate having an opening between its upstanding flanges in registration with the open lower end of the tube, a caster disposed below the saddle plate and including an upstanding substantially vertical shaft slidably engaging within the opening of the saddle plate and tube, means for releasably securing the shaft within the tube, and means at one end of the hull for attaching the boat to an automobile in a raised position above the ground.

2,570,657
ELECTRICALLY HEATED RETREADING MOLD FOR TIRES
John J. Fannen, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application May 7, 1949, Serial No. 92,034
2 Claims. (Cl. 18—18)



1. A tire mold comprising an annular body unit formed with an annular matrix receiving cavity, matrix elements removably fitted in said cavity, the contiguous portions of the cavity wall and the matrix elements defining matching heat transfer surfaces, there being a plurality of transversely spaced circumferential grooves in the body unit formed outwardly from the heat transfer surface thereof, and an annular electric heating element entirely countersunk in each groove.

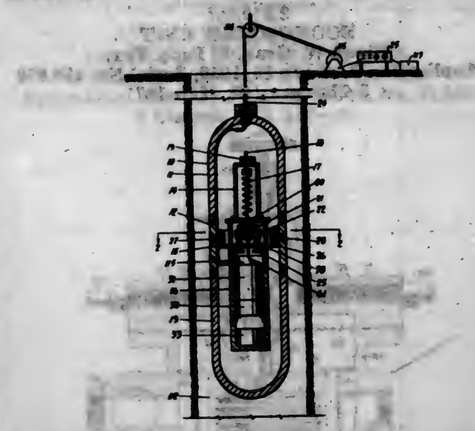
2,570,658
SELF-LOCKING NUT
Sydney T. Farrell and Frederick L. Farrell, Belmont, Mass.
Application March 20, 1946, Serial No. 655,746
2 Claims. (Cl. 151—7)



1. An improved lock nut comprising a nut body including two tubular sections arranged in axial alignment with the end face of one section opposed in abutting relationship to the end face of the other section, one of said tubular sections having its respective end face interrupted to form a pair of diametrically opposed key ways of inverted T-form extending entirely through the side wall portions of the tubular section, the other of said tubular sections having its respective end portion formed with axially projecting key portions which are externally complementary in shape with the diametrically opposed key ways and adapted to be received therein by relative transverse movement of the parts, one of said sections being internally threaded and the other section being formed of self-threading material.

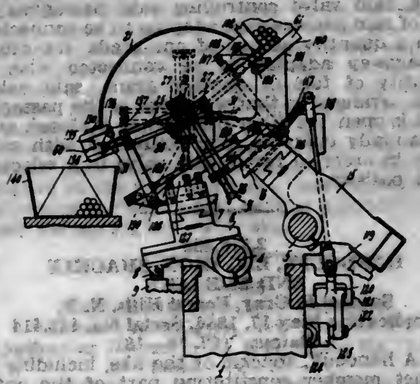
2,570,659
BOREHOLE GRAVITY METER
Charles H. Fay and Richard R. Goodell, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 1, 1948, Serial No. 57,758
8 Claims. (Cl. 73—382)

1. A gravity meter comprising a housing, a body having a spherical downwardly convex lower face, a second body mounted within said housing having a spherical upwardly concave upper face, resilient means within said housing supporting said first body suspended over said second body, the convex face of said first body being separated from the concave face of said second body by a uniform distance determined by the pull of gravity on said resilient supporting means, said two faces being concentric with regard to the point of suspension of said first body, an oscillator circuit, means electrically connecting said two bodies into said oscillator circuit as the two plates of a condenser, the



frequency of said oscillator circuit being controlled by the capacity of said condenser, means for indicating the variations of said frequency occurring in response to changes in the capacity of said condenser as the spacing between said bodies is varied proportionally to changes in the force of gravity acting on said suspended body, a casing surrounding said housing, and means for supporting said housing for substantial self-leveling within said casing.

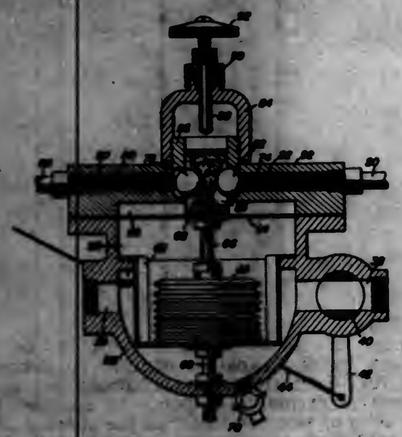
2,570,660
TRANSFER MECHANISM
Ralph M. Gamble, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont
Application April 6, 1945, Serial No. 586,935
3 Claims. (Cl. 214—1)



1. A work transfer mechanism comprising two pairs of parallel bars, a fixed pivot between the bars of each pair and with reference to which said bars may pivot and move axially, a work

gripper carried by each pair of bars, a pivoted arm for each pair of bars having connection thereto, a lever connected to both of said arms, and means for rocking said lever, said arms and bars being proportioned and related to cause one of said work grippers to move away from one position while the other of said work grippers is moving toward said position as said lever is rocked.

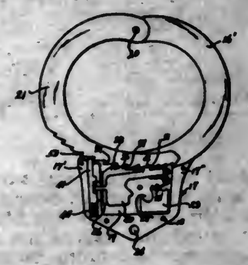
2,570,661
ECONOMIZER UNIT
Claud W. Gray, El Paso, Tex.
Application January 16, 1950, Serial No. 138,850
5 Claims. (Cl. 123—127)



1. In an internal combustion engine which has a liquid cooling system and a charge forming device, an attachment for introducing selectively different grades of fuel into the charge forming device, said attachment comprising a case having a thermostat therein, a valve operatively connected with said thermostat, means forming a liquid chamber in said casing and having said thermostat disposed therein, means connecting said chamber with the liquid cooling system of the engine, said case having two fuel passageways, said valve controlling said passageways, one of said passageways adapted to be connected with a quantity of fuel of one grade, the other passageway adapted to be connected with a quantity of fuel of another grade, said valve being arranged so that when one of the passageways is open, the other passageway is closed, and a manually operable stem connected with said valve in order to retain said valve in a selected fixed position.

2,570,662
HANDCUFF, LEG IRON, SHACKLE AND THE LIKE
Samuel P. Gray, Forest Hills, N. Y.
Application May 17, 1950, Serial No. 162,414
7 Claims. (Cl. 70—16)

7. A handcuff, shackle or the like, including a ratchet member constituting part of the cuff, a lock-mounting member constituting the other part of the cuff; both said members being pivotally connected so that when one is moved with respect to the other, the size of the cuff is changed or the cuff is opened for the admission of a limb to be shackled thereby; the teeth of the ratchet member being arranged at its free end along an arc whose center is said pivot point, and lock mechanism carried on said mounting member, including two spring-loaded detent members adapted to engage the ratchet teeth when the cuff is closed, permitting free movement of the ratchet member to reduce cuff size and preventing movement of said ratchet member to increase cuff



size; said two detent members, being individually movable in the same direction to disengage the ratchet member, and said two detent members being positioned so that one of them engages the ratchet member before the other does, upon movement of the ratchet member to close and reduce the size of the cuff, and when they both are in engagement with the ratchet member, there is at least one unengaged tooth of said ratchet member between said detent members.

2,570,663
BIRD CAGE PERCH
Gasper Guarino, Brooklyn, N. Y., assignor of fifty per cent to Murray Lasher, Brooklyn, N. Y.
Application February 24, 1948, Serial No. 10,254
1 Claim. (Cl. 119—26)

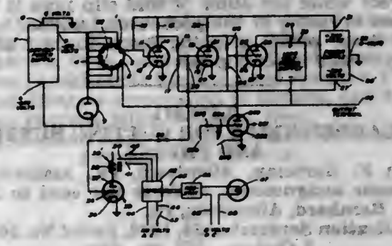


In a composite bird cage perch, an elongated upper bar made of wood and comprising an upper foot-supporting surface, an elongated lower bar made of abrasive material, said upper bar having a keyway in its lower surface, said lower bar having a key in its upper surface engageable with said keyway to cause linear alinement of said bars, split rings mounted transversely of said bars and in tight fitting relation with said bars for detachably securing said bars in said aligned relation, said lower bar having two claw-engaging side walls, the lower portion of said lower bar being considerably wider than said key and extending in augmented width below said wood bar to substantially the full width of the upper bar to cause engagement of the claws of the bird with said abrasive side walls.

2,570,664
METHOD FOR PRESERVING VEGETABLES
Wolfgang Gündel, Duesseldorf-Oberkassel, Eckart Meyer and Willy Offermann, Duesseldorf-Derendorf, and Hedwig Fuchs, Duesseldorf, Germany, assignors to Henkel & Cie, G. m. b. H., Duesseldorf-Holthausen, Germany
No Drawing. Application May 11, 1950, Serial No. 161,478. In Germany October 1, 1948
4 Claims. (Cl. 99—156)

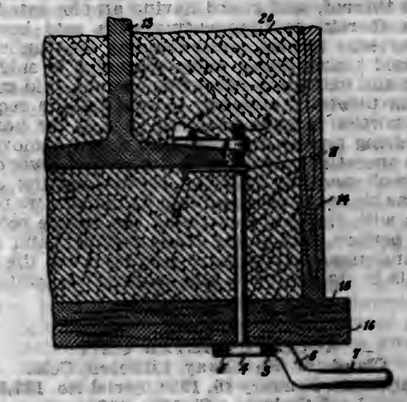
1. The process of protecting vegetables from spoilage which comprises the step of applying phenyl carbamine acid isopropyl ester to the vegetables.

2,570,665
METHOD AND MEANS FOR CORRECTING SENSITIVITY DRIFT OF AMPLIFIERS
Norman R. Gundersen, Pasadena, Calif.
Application October 18, 1948, Serial No. 55,033
19 Claims. (Cl. 250—205)



1. A method of compensating for changes in response characteristics of a multiplier phototube and amplifier controlling said multiplier phototube during a scanning operation, which comprises: periodically interrupting the control of said multiplier phototube by said amplifier and simultaneously subjecting the multiplier phototube both to scanning light modulated by a standard density and to a predetermined potential and adjusting the intensity of the scanning light in accordance with the response of the phototube and amplifier while under the influence of said light and predetermined potential.

2,570,666
BEAM CLAMP
Thor Haagensen, New York, N. Y.
Application September 16, 1949, Serial No. 116,089
5 Claims. (Cl. 25—131.5)



1. A clamp and hanger for structural steel beams embedded in concrete comprising, a rod threaded at one end and provided with a head portion at the other end, a pair of clamp members both independently and both threadably adjustable upon the threaded end of the rod for engaging and clamping the flange of the beam between them, said clamp members remaining in the concrete mass after hardening of the same and being positioned well within the body of the concrete mass and remote from the surface thereof.

2,570,667
VALVE FOR OIL WELL TUBING
William E. Halbert, Fort Worth, Tex.
Application January 17, 1949, Serial No. 71,254
3 Claims. (Cl. 103—5)

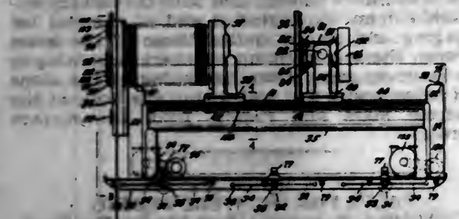


1. In a fluid pumping mechanism having a well tubing and pump connected with the lower end thereof positioned within a well casing and including a string of reciprocating sucker rods extending through said tubing and connected with said pump, a tubular member of substantially the same diameter as said tubing connected within the length of the latter above said pump and receiving said string of sucker rods therethrough, a valve seat in said tubular member positioned to one side of said string of sucker rods, a valve element of the type which is at least partially operated by gas pressure in the well annulus between said casing and said tubing, said element being movably supported by said tubular member and adapted to engage said valve seat, a passage connecting said valve seat with the interior of said tubular member, another valve seat within said passage and oppositely arranged relative to the first said valve seat, and a check valve member within said passage adapted to engage the second said valve seat.

2,570,668
PRECISION PROCESS CAMERA
Bernard R. Halpern, New York, N. Y.
Application December 13, 1947, Serial No. 791,515
13 Claims. (Cl. 88—24)

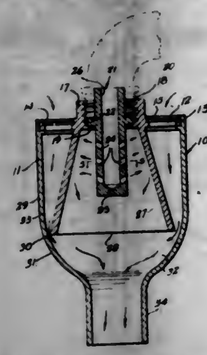
1. A camera of the character disclosed comprising a skid frame, supporting rollers mounted for raising and lowering movements on said skid frame and a camera frame mounted for raising and lowering movements on said skid frame, said supporting rollers including rollers located at op-

posite ends and at a central portion of the skid frame, said last mentioned rollers being capable



of positioning below the end rollers to enable turning of the sled frame thereon.

2,570,669
AERATING FAUCET ATTACHMENT
Joseph E. Hannigan, Johnston, R. I.
Application April 30, 1948, Serial No. 24,355
2 Claims. (Cl. 261—116)



1. An aerating device for attachment to the discharge end of a faucet comprising an inverted upstanding funnel having the upper end adapted to be dependingly secured to the discharge end of said faucet, an upstanding tube having its upper end open and its lower end closed positioned within and spaced from the wall of said funnel and dependingly supported intermediate its ends in said funnel, the upper open end of said tube being adjacent the upper end of said funnel and adapted to be embraced by the discharge end of said faucet and the lower closed end of said tube being spaced from the lower end of said funnel, there being a plurality of spaced ports extending transversely through the wall of said tube adjacent to and spaced from the closed end thereof for the egress of water therethrough, and an open-ended upstanding shell having the upper end and the portion adjacent to said end circumposed about and spaced from said funnel and having the upper end dependingly supported on said funnel adjacent the upper end of the latter, the space between said upper end of said shell and said funnel providing an opening for the ingress of air from the atmosphere, the lower end of said funnel being spaced from and forming with the adjacent portion of the wall of said shell a gap for the passage of the air therethrough.

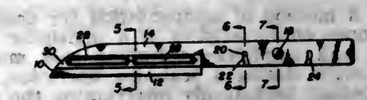
2,570,670
PEN OR PENCIL POCKET CLIP
Edwin P. Harold, Menasha, Wis.
Application February 24, 1948, Serial No. 10,350
2 Claims. (Cl. 24—11)

1. A pencil holder comprising a pair of resilient wire clip-forming jaws of substantially oval shape and formed of a single strand of wire, each clip jaw including side bars positioned substantially parallel one with the other, and with one of the side bars of one clip jaw united with one of the side bars of the other clip jaw to resiliently hold the pair of paws in coacting gripping relation



with each other, one of said clip jaws adapted for engaging a pocket and positioned outwardly thereof while the other of said clip jaws is positioned inwardly of the pocket, and aligned upper and lower pencil gripping loops formed at the ends of said inner clip jaw.

2,570,671
GUARDED KNIFE FOR CUTTING BUTTER AND CHEESE
John F. Hartman, Allentown, Pa., assignor, by mesne assignments, of forty per cent to John B. Reinhard, Allentown, Pa.
Application September 20, 1948, Serial No. 50,073
3 Claims. (Cl. 30—286)

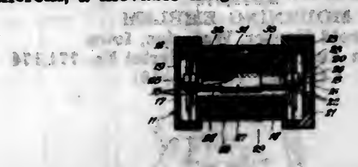


1. A knife comprising an elongated flat blade member having a cutting portion and a handle receiving portion, a handle fixedly attached to one side of said handle receiving portion and co-extensive therewith, an elongated guard movably attached to the other side of said handle receiving portion and co-extensive with said blade member, said guard having a flat inner face abutting one side of said blade member, the other side of said guard including a beveled lower edge, said cutting portion of said blade member including a beveled cutting edge, said beveled lower edge of said guard merging with said beveled cutting edge of said blade and forming a continuation thereof, said guard having an elongated recess therein communicating with said beveled lower edge thereof and extending longitudinally of said guard, and a roller journaled in said recess and extending outwardly thereof, said guard being pivotally attached to said handle receiving portion intermediate the ends of the handle receiving portion whereby said guard is movable into operative position with the beveled lower edge thereof merging with the beveled cutting edge of the blade member and into its inoperative position with the guard overlying the handle receiving portion only of the blade member, and stop means engaging the guard member when the latter is in its operative and inoperative positions.

2,570,672
ACCELEROMETER UNIT
Claude M. Hathaway, Littleton, Colo.
Application January 10, 1950, Serial No. 137,840
5 Claims. (Cl. 171—119)

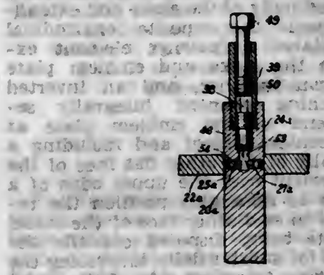
1. An accelerometer comprising a housing formed as a spool having thereon a plurality of

electromagnetic windings, a chamber formed at each end of said spool, a plurality of diaphragms each mounted to divide each chamber, each diaphragm having a relatively small aperture therein, a movable magnetic armature mounted



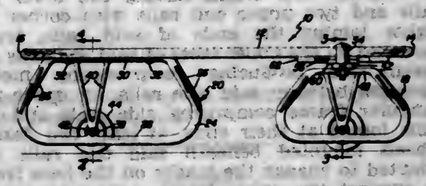
in the spool passage interconnecting said chambers, means for adjustably securing said armature to said diaphragm, and a damping fluid filling said chambers and said interconnecting passage.

2,570,673
JOINT SEAL
Joye C. Haun, deceased, late of San Francisco, Calif., by Florence Patricia Mills, executrix, Wallowa, Oreg., and John H. Carter, Portland, Oreg., assignors to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon, and Florence Patricia Mills, Wallowa, Oreg.
Application April 9, 1947, Serial No. 740,366
1 Claim. (Cl. 286—36)



In a fluid-tight seal for a polygonal joint wherein a plastic metallic gasket material is utilized to accomplish the sealing function, the combination comprising two parts having adjacent polygonal surface portions disposed in opposed relationship and between which a seal is to be effected, one of said parts having a continuous polygonal groove therein composed of a plurality of straight groove portions extending peripherally of the polygonal surface thereof and opening toward the adjacent polygonal surface of the other part, said straight groove portions each having opposed parallel surfaces adjacent and extending angularly away from a portion of the polygonal surface of said other part, a plurality of strip-like elements equal to the number of said straight groove portions disposed between said opposed parallel surfaces of the groove portions, said strip-like elements having engaging end portions and together forming a closed polygon adjacent the polygonal surface of said other part, said strip-like elements being narrower than the depth of said groove portions from the open sides thereof to provide a continuous passage for the flow of gasket material in the inner portion of the groove, said strip-like elements also having a thickness between said opposed parallel surfaces such that they restrict the open sides of the groove to an amount materially less than the distance between said opposed parallel surfaces of the groove portions so as to form a restricted peripheral slot for the extrusion of gasket material under pressure against said polygonal surface of the other part, and means in communication with said groove for supplying gasket material thereto under pressure, said means in communication with the groove for supplying gasket material thereto under pressure comprising a cylindrical supply chamber communicating with a plurality of separated parts of said groove through a plurality of supply passages, and means for applying pressure to material in said supply chamber.

2,570,674
CONVERTIBLE SLED AND COASTER
Jesse B. Haywood, Concord, N. C.
Application March 9, 1950, Serial No. 148,631
1 Claim. (Cl. 280—8)



A convertible sled and coaster comprising a platform, front and rear trucks mounted beneath said platform, said front truck being reversible and including duplicate side frames comprising upper bars, downwardly diverging legs depending from the ends of said bars, tubular runners terminating in upwardly curved end portions integral with the legs, substantially V-shaped braces extending between the runners and bars at intermediate points, bearings in the lower portions of said braces, a removable transverse axle in the bearings, removable wheels on said axle extending below the runners, a steering bar fixed transversely on the first named bars and projecting laterally therebeyond, said steering bar paralleling the axle in the vertical plane thereof, and means rotatably connecting the steering bar to the platform.

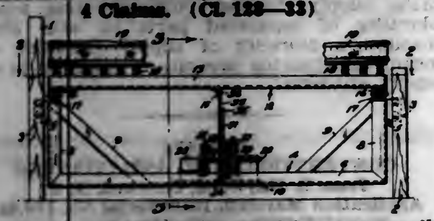
2,570,675
EAR PROTECTOR
Carol N. Heflin, Lodi, Calif., now by change of name Carol N. Morris
Application January 26, 1948, Serial No. 4,370
4 Claims. (Cl. 128—151)



1. An ear protector, for use during hair dressing or the like, in the form of an ear cap comprising an outer wall and an inner wall in spaced relation, and a peripheral wall connecting the inner and outer walls, the inner wall having an ear entry opening therein, and the outer wall being shaped generally in matching relation to ear

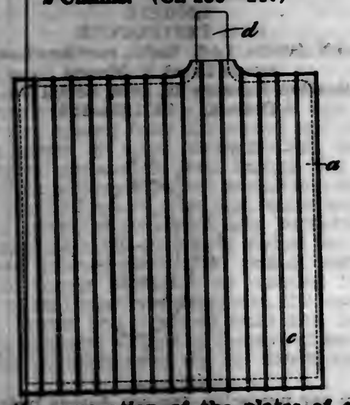
contours; said outer wall including an inward projection for engagement in the central cavity of the ear.

2,570,676
RECIPROCATING BED
John V. Henderson, Birmingham, Ala.
Application December 14, 1950, Serial No. 200,764
4 Claims. (Cl. 128—33)



1. A reciprocating bed comprising a generally rectangular base frame having two lower side rails and two upper end rails with corner uprights joining the ends of said rails, tracks mounted on the upper faces of said end rails and means for producing reciprocating motion mounted between said side rails, an upper rectangular frame comprising side rails and end rails joined at their ends, at least two flanged wheels mounted beneath said end rails and adapted to engage the tracks on the base frame to support the upper frame, adjustable means for connecting the upper frame with said means for producing reciprocating motion transversely to reciprocate said upper frame, and coupling means mounted at the corners of said base frame adapting said base frame to be coupled between the head and foot boards of the conventional bedstead, the upper reciprocating frame being adapted to support the conventional bed springs.

2,570,677
BATTERY SEPARATOR
Eric Maurice O'Conor Honey and Charles Rupert Hardy, Dagenham Deck, England, assignors to Pritchett & Gold and E. P. S. Company Limited, Dagenham Deck, England, a British company
Application July 30, 1948, Serial No. 41,634
In Great Britain June 9, 1947
2 Claims. (Cl. 136—147)



1. In the separation of the plates of electric storage batteries, enclosing each negative plate in an envelope of micro-porous material with only the current carrying lug projecting, the said envelope having flat internal faces to press against the flat faces of the plate and prevent displacement of active material therefrom but providing a clearance at the vertical and top edges of the plate and at the lug to allow of gas escape around the lug during battery charging.

2,570,678
MOURNING EMBLEM
Harold Houser, Waterloo, Iowa
Application August 29, 1947, Serial No. 771,174
1 Claim. (Cl. 40—10)

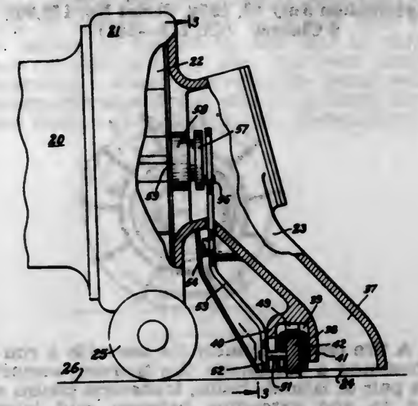


A grave marker comprising an elongated substantially straight stake for engagement in the ground and having a pair of opposed flat faces, a substantially flat decorative emblem plate arranged adjacent to one of said flat faces of the stake between the ends of the stake and being elongated longitudinally of the stake and extending laterally beyond the opposite longitudinal edges of the stake, a fastener element extending through the stake and emblem plate for securing them together, and an inverted U-shaped attaching element integrally secured to one end of the emblem plate at the transverse center thereof and including a leg spaced laterally of the other flat face of the stake for engagement over the upper edge of a flower receptacle to releasably position the receptacle adjacent to said other face of the stake, the emblem plate being disposed opposite the flower receptacle for substantially concealing the receptacle from view from the side of the stake adjacent to the emblem plate, the top of the inverted U-shaped attaching element having an aperture receiving the stake.

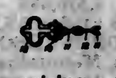
2,570,679
SUCTION CLEANING DEVICE WITH A SURFACE-AGITATING BAR
John Frederick Huber, New York, N. Y.
Application April 25, 1947, Serial No. 743,982
3 Claims. (Cl. 15—371)

1. In a suction cleaning device having an elongated nozzle and a conduit through which air is exhausted from the nozzle, the combination with said nozzle, of a bar having a plurality of projections formed between successive furrows in the lower edge of the bar, said bar being located with its lower edge adjacent the opening of said nozzle for cooperation therewith, a channel member for containing said bar, said channel member being mounted for movement on said nozzle adjacent the opening of said nozzle, means carried by said channel member for supporting said bar and for permitting longitudinal movement of the bar with respect to said channel member, guiding means on said nozzle for limiting the movement of said channel member with respect to said nozzle in a direction towards and away from the nozzle opening and substantially perpendicular to the direction of longitudinal movement of said bar, resilient means associated with said nozzle and said channel member for urging said channel member and said bar in a direction substantially

normal to the plane of said nozzle and towards the surface being cleaned during a cleaning operation, and means for reciprocating said bar longitudinally of itself.



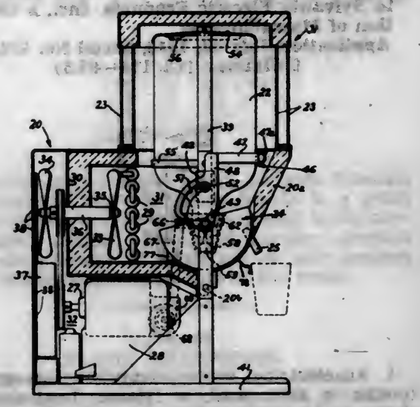
2,570,680
SEPARABLE CHAIN FASTENER
Bouke Bentje Huisinga, Leeuwarden, Netherlands
Application January 24, 1947, Serial No. 723,975
In the Netherlands September 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 16, 1962
7 Claims. (Cl. 24—225)



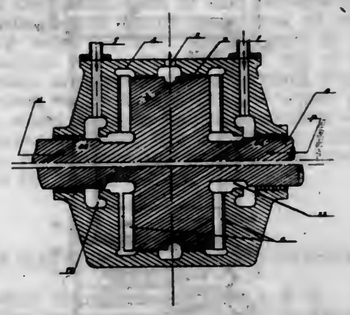
7. A fastener comprising a male portion and a female portion, said female portion comprising a large eyelet, a small eyelet, and a bridge with side walls of predetermined height having a slot between said side walls for interconnecting said eyelets, said slot being of a width smaller than the diameter of either of the openings in said eyelets, said male portion comprising a member for abutting engagement with said small eyelet, an element connected to said member, and a link longer than the height of said bridge connected to said member, said link only being adapted to pass through said slot.

2,570,681
LIQUID MEASURING AND DISPENSING DEVICE
Robert R. Hull, Pasadena, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
Application May 4, 1948, Serial No. 24,963
11 Claims. (Cl. 222—353)

1. Liquid dispensing apparatus comprising a frame, an inverted liquid-supply bottle positioned on said frame; means supporting said bottle from said frame and permitting vertical movement of the bottle between a lower and an upper position thereon; a container mounted on said frame subadjacent the mouth of said bottle into which the bottle feeds by gravity flow; a closure at the mouth of said bottle, which closure in the lower position of said bottle prevents gravity flow of liquid therefrom; means for supporting said closure from said frame and for rendering it substantially incapable of vertical movement with respect to said frame; and means for raising said bottle while supported in inverted position to effect the removal of said closure from the mouth of said bottle thereby permitting gravity flow of liquid to said container.



2,570,682
FLUID THRUST BEARING
Roger Jean Imbert, Paris, France, assignor to Societe Rateau (Société Anonyme), Paris, France, a company of France, and René Anxionnaz, Paris, France
Application April 15, 1947, Serial No. 741,476
In France April 29, 1946
3 Claims. (Cl. 308—9)



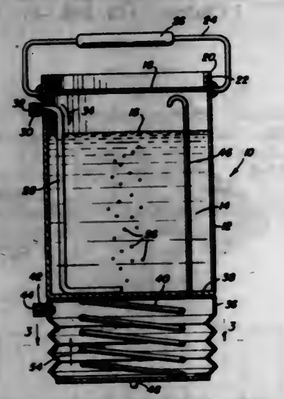
1. In a turbo-machine having a rotary shaft liable to be subjected to axial thrusts in both directions, the combination of a stationary hollow casing around a part of said shaft, fluid-tight connections between said shaft and said casing at each end thereof, said connections being adapted to allow axial displacement of said shaft relatively to said casing, a cylindrical drum integral with said shaft and located inside said casing, an impeller on each face of said drum, adapted to centrifugally circulate a fluid, fluid outlets in the vicinity of the periphery of said impellers, fluid inlets in the vicinity of the central part of said impellers, means responsive to axial displacements of said shaft for throttling down one of said inlets while the other is throttled up, whereby an axial displacement of the shaft in any direction causes the resultant fluid pressure on the faces of the drum to increase in the opposite direction.

2,570,683
LEAD WIRE CONSTRUCTION AND METHOD OF SEALING
Harry Kenneth Ishler, Floral Park, N. Y., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application July 12, 1946, Serial No. 682,998
6 Claims. (Cl. 174—65.5)



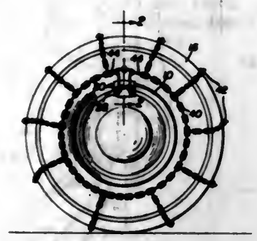
1. An electrical device comprising an envelope having a glass wall, a friable, heat-shielding sleeve, and a flexible conductor extending through said wall and said sleeve, said glass wall being sealed to said conductor and to said sleeve, and said sleeve extending to the exterior of said envelope.

2,570,684
MINNOW BUCKET
Nolan C. Jackson, Coalgate, Okla.
Application October 11, 1948, Serial No. 53,878
3 Claims. (Cl. 43—57)



1. A minnow bucket comprising a casing having a liquid level, a detachable cover for said casing, said casing having a lower wall, a bellows attached to and supported by said lower wall, a suction conduit positioned within said casing and extending through said lower wall and communicating with the interior of said bellows, said suction conduit having an upper portion terminating below said cover and above the liquid level, an air inlet conduit projecting through said casing above the liquid level and extending downwardly in said casing below the liquid level, and legs normally depending from the sides of said casing for supporting said casing and for guiding said bellows as the latter expands, said legs being movable out of supporting position whereby the weight of said bucket will contract said bellows.

2,570,685
TIRE CHAIN ASSEMBLY
Francis John, Wenatchee, Wash.
Application July 10, 1950, Serial No. 172,964
5 Claims. (Cl. 152—241)



2. A tire chain assembly for use with a rim of a wheel and a pneumatic tire thereon, comprising a pair of lateral chains, transverse chains secured to and extending between said lateral chains, hooks on the ends of the lateral chains, a pair of opposing plates each having a portion securable between a rim and its tire and an extending portion, and a pair of U-shaped members each engaging the hooks on the opposite ends of one of the lateral chains, the U-shaped members having arms removably secured to said extending portions of the plates, said extending portions having slots and said arms of the U-shaped members having keys removably securable in said slots.

2,570,686
PROCESS FOR MAKING TIN HYDROCARBONS
Ernest W. Johnson, Mountainside, and James M. Church, Tenafly, N. J., assignors to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 4, 1948, Serial No. 25,687
11 Claims. (Cl. 260—429)

1. A two-stage process for making organo-tin compounds in which the organo portion consists of hydrocarbon radicals from the group consisting of aryl and mixed aryl-alkyl radicals, which comprises: reacting to completion in a first stage an aryl monohalide with finely divided sodium dispersed in an inert hydrocarbon solvent at a temperature of about 30 to about 50° C. to produce an aryl-sodium compound, then in a second stage adding to the foregoing reaction mixture the compound R_xSnCl_y, in which R is an alkyl radical, Sn is tin, Cl is chlorine, x is a whole number having a value in the range of 0 to 3, and y is a whole number equal to $4-x$, and reacting said latter compound with the aryl-sodium compound at a temperature of about 25° C. to about 50° C. to produce the organo-tin compound as above identified, and recovering the latter.

2,570,687
CHAIR HAVING VERTICALLY ADJUSTABLE SEAT
Joseph Norman Kahn, St. Albans, N. Y., assignor of one-third to Edward J. Boss, Richmond Hill, N. Y.
Application July 24, 1946, Serial No. 685,811
6 Claims. (Cl. 155—88)

1. A chair comprising a pair of spaced front uprights, a pair of spaced rear uprights, means for connecting said pairs of uprights together and for connecting said front uprights with said rear uprights, a back rest secured to said rear uprights, a seat disposed between said front uprights in abutting relation with said back rest, and means for supporting said seat at various levels on said back rest and said front uprights comprising, a plurality of vertically spaced sets of transversely spaced and aligned openings in the front surface of said back rest intermediate the



side edges thereof, a plurality of transversely spaced and aligned pins on and projecting beyond the rear edge of said seat and engageable in a selected set of said openings, a plurality of vertically spaced downwardly and rearwardly inclined grooves in the inwardly facing sides of said front uprights, and two elongated members on and projecting beyond the side edges of said seat and engageable in one of said grooves in each of said front uprights.

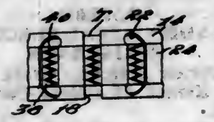
2,570,688
FOLDING FISH GAFF
James B. Keegan, Santa Rosa, Calif.
Application December 11, 1946, Serial No. 715,532
4 Claims. (Cl. 294—26)



1. A fish gaff having a handle with a slot at one end thereof, a hook with a U-shaped shank having a pivot pin securing the same in said slot, said U-shaped shank having an inwardly projecting member, a fixed transverse pin secured to span said slot and spaced from said pivot pin to engage said U-shaped shank and said inwardly projecting member and to co-act with said pivot to hold the hook in operative position, said pivot pin and transverse pin being parallel and extending through said U-shaped shank and means on said handle to hold said hook in inoperative position.

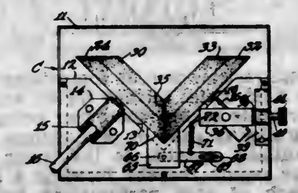
2,570,689
ANTISKID DEVICE FOR PNEUMATIC TIRES
Chester R. Kennedy, Lakeville, Mass.
Application May 8, 1948, Serial No. 25,923
3 Claims. (Cl. 152—222)

1. In combination with a pneumatic tire, a split tire shoe, of substantially the same size as the pneumatic tire to which it is to be applied, mounted on the pneumatic tire, said shoe including side walls, a tread surface, and edge beads and having a series of peripherally spaced slots extending transversely of the tread portion of the shoe, between which are tread blocks, and a series of curved convex plates interposed between the inside of the shoe and the tread of the pneumatic tire, each plate being engaged by portions of the shoe at least at opposite sides of a single slot, and having a tooth fixed to



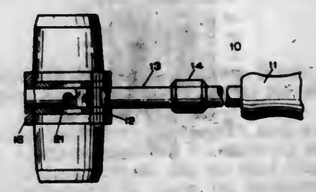
the convex side thereof which extends through a slot between adjacent tread blocks to a point appreciably beyond their surfaces, said tooth having edges defined by right-angular corners which are situated at acute angles with respect to the longitudinal center line of the tread.

2,570,690
BLADE SHARPENER
Jerome J. Kilian, Minneapolis, Minn.
Application June 19, 1946, Serial No. 677,823
4 Claims. (Cl. 51—80)



4. In a grinding device, a wheel support, a pair of coaxial grinding wheel sections carried by the support and individually rotatable one relative to the other, each of said sections having a frusto-conical shape and being of complementary relative sizes, the bottom of the smaller section being adjacent the top of the larger section and forming a continuous frusto-conical wheel, drive means for the wheel sections, the wheel sections having a positive connection between them, the connection including means for rotationally shifting one section relative to the other section.

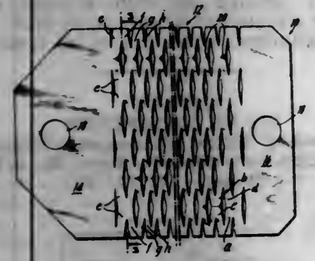
2,570,691
HAMMER HAVING REPLACEABLE STRIKING HEADS
Erick N. Kindland, Jamestown, N. Y.
Application January 31, 1946, Serial No. 644,462
7 Claims. (Cl. 145—36)



1. A hammer structure comprising a shank, a striker head support in the form of a tubular member, one end of said shank projecting transversely through and being permanently secured to said member, filler blocks adapted to occupy the space in said member adjacent said shank end and cooperating therewith to form a seat, a disk mounted on said seat, said disk and a por-

tion of said member cooperating to form an open-ended recess, and a striker head having an end portion adapted to project into said recess and engage said disk and the interior walls of said member.

2,570,692
EXPANDED METAL ELECTRICAL RESISTANCE
Walter Frederick Knight, Alfold, England, assignor to Exmet Electrical Corporation, New York, N. Y.
Application December 14, 1948, Serial No. 65,168
In Great Britain July 28, 1948
6 Claims. (Cl. 201—69)



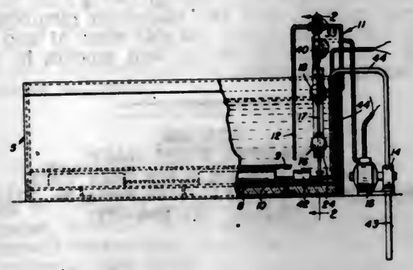
1. A metal resistance unit comprising in combination a solid metal selvage region and a contiguous perforate region, the latter being formed with a plurality of rows of perforations extending substantially parallel to the inner edge of said selvage region thereby forming a series of meshes, each of said perforations being surrounded at least in part by solid metal ribbon strips constituting mesh-joining portions, the ribbon width of all such ribbon strips as adjoin said selvage region being greater than the ribbon width of the ribbon strips which are more remote from said selvage portion whereby the mechanical strength of said adjoining ribbon strips and consequently their resistance to distortion due to thermal expansion is increased.

2,570,693
IMPULSE GENERATOR
John C. Keonz, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application October 18, 1949, Serial No. 121,980
11 Claims. (Cl. 171—209)



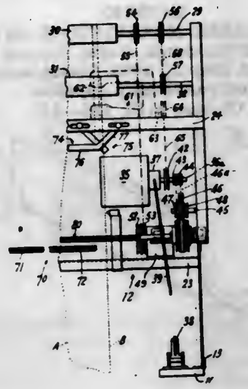
1. In an impulse generator, the combination, with an electromagnetic winding having a core aperture therein, of a pair of soft iron field plates, with the opposite plates of said pair positioned on opposite sides of the winding, and at least one permanent magnet extending between said field plates whereby the field plates are of opposite polarity; each of said field plates having two pole portions of like polarity, with one of said pole portions extending inwardly toward the core aperture at one end of the winding, and the second pole portion extending inwardly toward the aperture at the opposite end of the winding; the two pole portions of each field plate lying in the same plane so that the unlike pairs of poles of the opposite field plates are positioned in oppositely oriented face-to-face relation on opposite sides of both ends of the core aperture; together with a flux reversing armature comprising a plunger extending through the aperture of the winding and slidable therein, said plunger having a magnetically permeable core including aligned end portions having two face surfaces lying in the same plane and in sliding engagement of the two like poles of one of the field plaes, an offset intermediate portion including face surfaces in sliding engagement with the two like poles of the opposite field plate, and nonmagnetic filler portions having bearing surfaces contiguous with said face surfaces.

2,570,694
SELF-REGULATING STOCK TANK
Albert E. Langenbahn, New Holland, Ill.
Application August 11, 1947, Serial No. 768,045
4 Claims. (Cl. 119—78)



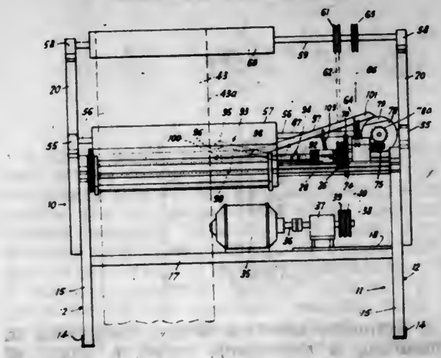
1. A stock tank assembly comprising a tank, a pump, a delivery pipe connecting said pump and said tank, an electric motor in operative driving connection with said pump, an electric supply circuit connected with said electric motor, including a switch with contacts closed and opened by a change of position of the switch, adapted to control said circuit, a switch position changing member associated with said switch, a float assembly connected with said tank with a float arranged near a predetermined lower water level, provided with a switch position changing member cooperating with the switch position changing member of the aforesaid switch, a locking means on said float assembly adapted to lock the same in a position below the position corresponding to the predetermined lower water level, a second float also connected with said tank and arranged at a predetermined higher water level, a further locking member operatively associated with said second float and adapted to cooperate with the first named locking means to lock the first named float in a position below the predetermined water level and to unlock it from this position, and a hand operated member engageable with said first named float assembly for bringing the first named float into the locking position, said first named float assembly, when locked, being controlled by the locking member operated by the second float, when the latter is raised above the higher predetermined water level.

2,570,695
WEB ALIGNING DEVICE
Paul Levine, New York, N. Y., assignor of one-third to Hillel Levine, Brooklyn, and one-third to James Levine, Flushing, N. Y.
Application March 21, 1947, Serial No. 736,207
12 Claims. (Cl. 112—203)



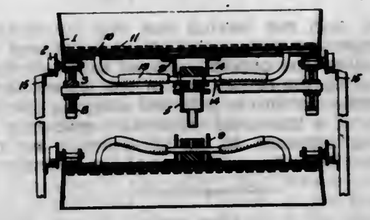
1. In combination, means to feed a flexible web longitudinally, a threaded member adapted to engage said web, said threaded member being rotatable in either direction whereby rotation of said threaded member in one direction will shift the web sideways in one direction, and reverse rotation of said threaded member will shift the web sideways in an opposite direction, means to selectively rotate said threaded member in opposite directions, a switch adapted to contact an edge of the web, and means controlled by said switch to operate said rotating means.

2,570,696
DEVICE FOR NOTCHING AN EDGE OF A FLEXIBLE WEB
Paul Levine, New York, N. Y., assignor of one-third to Hillel Levine, Brooklyn, N. Y., and one-third to James Levine, Flushing, N. Y.
Application August 12, 1948, Serial No. 43,858
11 Claims. (Cl. 164—42)



1. A machine for notching an edge of a web of flexible sheet material at equally spaced distances, comprising rollers around which the web is engaged, means to rotate the rollers for feeding the web, a rotary disc, means controlled by the rotating means for rotating said disc, a fixed guide, a member mounted for reciprocation on said guide, a link interconnecting said member with said disc for reciprocating said member as said disc rotates, shears comprising a pair of interpivoted members provided with shearing jaws, means to fix one of said interpivoted members to said reciprocating member, whereby to reciprocate said shears as said disc rotates, the other of the interpivoted members of said shears having an extension, and means on said disc engaging said extension for rotating said other of said interpivoted members.

2,570,697
FILTERING APPARATUS
Sven Gunnar Nordengren, Landskrona, Sweden
Application December 2, 1947, Serial No. 789,152
In Sweden December 11, 1946
4 Claims. (Cl. 210—197)

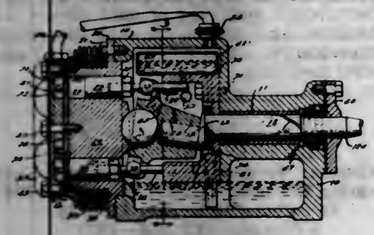


1. A filtering device of the endless vessel-belt type comprising a frame, an endless trackway mounted on said frame, an elongated stationary suction box mounted at the top of said frame having a longitudinal channel connected with suction means, an endless vessel-belt supported by and movable along said trackway comprising a plurality of filtering trays mounted in series and adapted to move around said trackway, the bottoms of said trays serving as filters, an endless suction belt having the same effective length and mounted concentrically with said vessel-belt to move along said trackway in contact with said suction box to close the channel thereof, conduit means in said suction-belt communicating with said channel in an airtight manner, a plurality of flexible conduits connecting said conduit means with each of the filter trays to produce suction at the bottoms thereof, means for driving said vessel-belt around said trackway and a plurality of connections between said vessel-belt and said suction-belt permitting relative movement in a radial direction between said belts for driving the latter at the same velocity and revolutions per minute as the former.

2,570,698
PUMP
David O. Manseau, Berkley, Mich.
Application August 12, 1946, Serial No. 689,951
6 Claims. (Cl. 103—173)

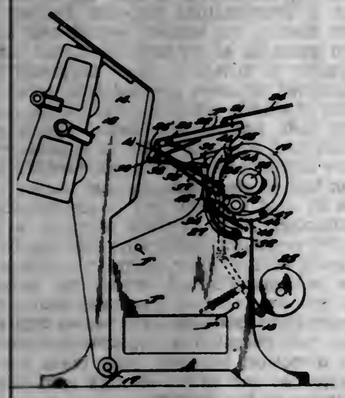
1. A pump having an inlet port and an outlet port, said pump comprising a rotatably mounted shaft; an integral crank pin on said shaft, said pin being arranged to have its geometric axis disposed in the plane of said shaft but at a predetermined angle to the axis thereof to intersect the continuation of said axis of the shaft at a predetermined point; a member having one end engaged by said pin, the opposite end thereof being supported at said point of intersection of the axes of the crank and the shaft; a cylinder block having a plurality of cylinders provided

therein and arranged around the axis of said shaft on one side of said member, each of said cylinders having inlet and discharge ports communicating with the inlet and discharge ports of the pump, valves controlling said cylinder ports, a piston for each of said cylinders slidably fitted therein, a piston rod for each of said



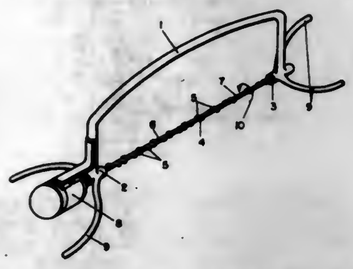
pistons, said rod having one end connected to the respective piston and its opposite end constrained on the opposite side of said member to move along the center line of the piston, the intermediate portion of said rod carrying the male portion of a universal connection engaging said wobbling member to be reciprocally actuated thereby along the center line of the cylinder.

2,570,699
DELAYED GRIPPER ACTION ATTACHMENT
Edward S. Moody, Riverside, Calif.
Application April 16, 1946, Serial No. 662,513
1 Claim. (Cl. 101—408)



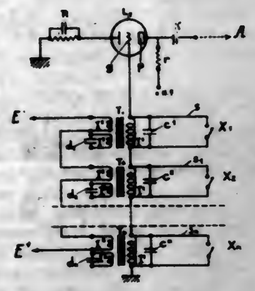
In a platen printing press, the combination of a platen, means including a crank wheel for oscillating said platen between sheet receiving and printing positions, grippers mounted for pivotal movement with respect to said platen and adapted to engage the sheet on the platen when the latter is in printing position, and means for maintaining said grippers in engagement with the sheet during the major portion of the movement of the platen from the printing position to the sheet-receiving position, and for thereafter moving said grippers away from said platen, said last-named means comprising a curved cam track secured to and extending over a portion of the peripheral surface of said crank wheel, a curved operating arm pivoted at one end to the frame of the press below said crank wheel and extending rearwardly and upwardly from its pivot, a lateral arm rigid with the intermediate portion of said operating arm, a roller journaled on said lateral arm and arranged to ride on said cam track, an operating rod connecting the other end of said operating arm to the grippers, and a spring biasing said operating arm toward said crank wheel.

2,570,700
PORTABLE MECHANICAL SAW
Paul Marcereau, Paris, France
Application May 14, 1949, Serial No. 93,222
In France May 12, 1948
7 Claims. (Cl. 125—13)



1. A saw comprising, in combination, a support; a spindle mounted on said support for rotation about its axis, said spindle having two opposite ends; means connected to said spindle for rotating the same; and two sets of cutting teeth on said spindle, one of said sets of cutting teeth extending from an intermediate portion of said spindle toward one of said ends thereof along a right-hand helical line, and the other of said sets of cutting teeth extending from said intermediate portion of said spindle toward the other of said ends thereof along a left-hand helical line.

2,570,701
HARMONIC-SELECTING APPARATUS
Marie-Thérèse Martin, Versailles, France
Application February 13, 1946, Serial No. 647,291
In France March 31, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 31, 1962
4 Claims. (Cl. 179—171)



1. A harmonic selecting device, comprising in combination, a thermionic valve, a chain of audio-frequency transformers having the primary windings thereof connected in series for connection to a source of audio frequency alternating electric current, said transformers having their secondary windings connected in series to the control electrode of the thermionic valve, switch means for selectively short-circuiting

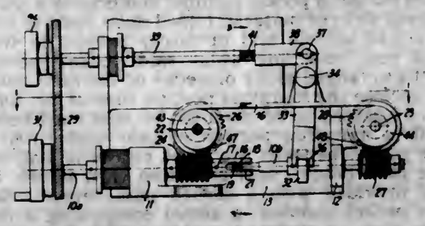
said secondary windings to enable one or more transformers in the chain to be instantly put out of operation, and auxiliary attenuating circuits including windings coupled to the windings of the respective transformers for eliminating undesired frequencies.

2,570,702
MECHANICAL LINKAGE
John F. Morse, Hudson, Ohio
Application July 5, 1946, Serial No. 681,528
3 Claims. (Cl. 74—559)



1. A mechanical linkage comprising a connecting shaft polygonal in cross-section, means for mounting said shaft for rotation, crank arms having sockets of like cross-section fitting over the shaft, said crank arms including at least two types, the center line of an arm of each type being offset angularly with respect to an apex of the socket and at a different angular relation with respect to a crank arm of another type, the sum or difference of angular offsetting of any two arms being divisible into the angular extent of one side of the shaft, and links connected to the ends of the crank arms.

2,570,703
OPERATING GEAR FOR TUNING ELEMENTS
Horace E. Overacker, Los Altos, Calif., assignor to Hewlett-Packard Company, Palo Alto, Calif., a corporation of California
Application January 21, 1950, Serial No. 139,905
4 Claims. (Cl. 74—10.85)



1. Drive means for adjusting the angular setting of the rotary operating shafts of two instruments, comprising two aligned shaft sections, means for journaling said shaft sections, a splined coupling between said shaft sections whereby said sections rotate in unison and one section can be moved axially relative to the other, a manual operating member attached to one shaft section for manually rotating both said sections, drive gearing operatively connecting each shaft section with an associated instrument shaft, each drive gearing including a worm mounted upon a shaft section and a worm gear engaged by said worm, and means for effecting axial movement of the other shaft section with respect to said one shaft section to thereby cause individual rotation of one instrument shaft, said last means comprising a manually operated member, and means connecting said manually operated member to said other shaft section to effect axial movement of said other shaft section upon moving said manually operated member.

2,570,704
CUTOUT SWITCH FOR BATTERIES OR THE LIKE
Roger Pelletier, Seaford Harbor, N. Y.
Application November 4, 1948, Serial No. 58,340
7 Claims. (Cl. 200—153)



1. A cut-out comprising a pair of terminals, a pair of sets of nested contact leaf springs each set connected to a respective terminal, a short-circuiting member adapted to interconnect said sets of springs in one position, and to be spaced from said sets of springs in a second position, and means for moving said member from one of said positions to the other, said means comprising a connecting stud loosely supporting said member at one end, a link pivotally connected to said stud at its other end, said link having an arcuate slot formed therein with center of curvature adjacent the end of said link remote from said pivotal connection, a cross shaft freely passing through said slot, a crank rotatable together with said cross shaft and pivotally coupled to said link, and spring means urging said short-circuiting member toward said contact springs, said link being adapted in one position of said shaft to maintain said shaft in engagement at the end of said slot, whereby said member is maintained out of engagement with said contact springs.

2,570,705
GUARD FOR SEWING MACHINES
Roger Pelletier, Seaford, N. Y.
Application August 2, 1949, Serial No. 108,149
2 Claims. (Cl. 112—261)



1. A guard for sewing machines or the like comprising a unitary sheet of transparent material having needle-enclosing vertically extending walls, and a bracket clip rotatably adjustably mounted on one wall of said sheet and providing mounting means for said guard, said clip comprising a pair of flat perpendicularly disposed legs, one of said legs being pivotally mounted against one wall of said unitary sheet for pivotal movement about a horizontal axis, the other of said legs being bifurcated by a slot adapted to receive a presser foot retaining screw

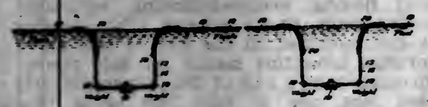
whereby said clip in different positions thereof is adapted to be affixed to both vertical and horizontal presser foot retaining screws of different types of sewing machine.

2,570,706
GEAR-OPERATED, ANGULARLY ADJUSTABLE WRENCH, SCREW DRIVER, OR SIMILAR DEVICE
Vincent A. Peluse, Poughkeepsie, N. Y.
Application May 22, 1950, Serial No. 163,509
1 Claim. (Cl. 81—177)



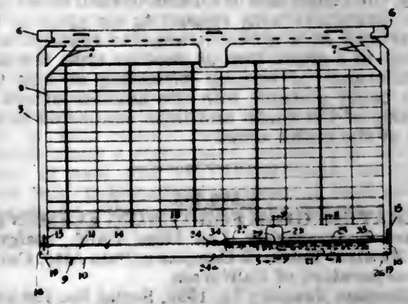
A gear operated, angularly adjustable wrench, screw-driver or similar device comprising an operating head, a tool carrying shaft journaled in said head, a tubular leverage handle projecting angularly from one side of said head and forming a lever for rotating the head about the axis of the tool carrying shaft, a drive shaft journaled in said leverage handle and geared at its inner end to said tool carrying shaft for rotating the latter independently of rotation of the head about said axis, a tubular, rotary handle rotatably and telescopically engageable with and disengageable from said leverage handle to form a separable rotary leverage extension of the leverage handle and a universal joint connection between said drive shaft and said rotary handle including a member slidingly and non-rotatably keyed to said rotary handle and interconnected universal joint elements connected with the outer end of said drive shaft and with said slidingly keyed member, respectively, and operable to effect turning of said drive shaft both when said rotary handle is rotatably telescopically engaged with said leverage handle or is disengaged therefrom.

2,570,707
SEISMIC SURVEYING
Josephus Overton Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application August 16, 1948, Serial No. 44,418
4 Claims. (Cl. 177—352)



4. In apparatus for use in seismic surveying of underwater formations, the combiantion with a plurality of detector assemblies each including a detector and a buoyant support for said detector, the combined weight of said detector assembly being not substantially greater nor less than the weight of water displaced by said assembly when completely submerged, of a towing line directly connecting said detector assemblies in spaced relation, floats secured directly to major portions of said line intermediate and beyond said detector assemblies and supporting such major portions of said line at the surface, weights on said line adjacent to and at each side of and spaced from said detector assemblies at points on said line itnermediate said floats and detector assemblies, the mass of said weights being sufficient to cause said detector assemblies and that portion only of the line adjacent the detector assemblies to submerge only when the line is slack to form at each detector assembly a depressed bight in the towing line, whereby the detector assemblies are surfaced during towing, and conductors extending from each detector along said line.

2,570,708
SIGNAL ATTACHMENT FOR INDEX CARDS
Hugh N. Pitcher, Montreal, Quebec, Canada
Application July 16, 1948, Serial No. 39,141
In Canada June 30, 1948
7 Claims. (Cl. 129—16.7)



1. In a device of the character described, a card holder, a pocket member comprising a transparent strip of material folded upon itself to form a closed bottom and upwardly projecting front and rear retaining walls, said pocket member being arranged along one edge of the card holder to enclose the marginal portion thereof, an index card adapted to be mounted on said card holder with a marginal portion of said card fitted in the pocket between the front retaining wall and the card holder, said card and card holder being provided with a slotted passageway within the pocket member, a signal comprising a narrow strip of stiffened material folded upon itself to provide a relatively short upturned indicator and an elongated upwardly extending tailpiece, said signal being arranged vertically for sliding movement in the pocket member with its indicator end projecting upwardly to overlie the exposed face of the card within the pocket and its tailpiece interposed between the rear surface of the card holder and the rear wall of the pocket to project a substantial distance beyond the upper edge of the wall, a transparent signal separating member arranged in said pocket the full length thereof and projecting through said slotted passageway so that one portion of said separating member is disposed between the rear face of the card holder and the rear wall of the pocket and the remaining portion is disposed to overlie the exposed face of said card and the indicator portion of the signal, and a second signal consisting of an elongated strip of transparent material arranged horizontally in said pocket for slidable movement across the face of said card, said second signal being slidable through the card and card holder passageway so that one portion of said second signal lies between the rear face of said card holder and the portion of the signal separating member at the rear of the card holder, and the other portion lies between the portion of the signal separating member in front of the card and the front wall of said pocket to permit sliding movement of said second signal to any non-overlapping position relative to the first mentioned signal across the face of the card and to pass said first mentioned signal in overlapping relation without interference from said first signal.

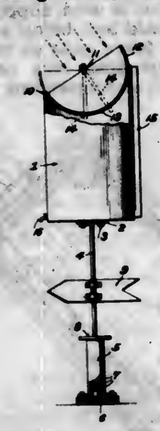
2,570,709
MOVABLE FIGURED PUSH TOY
Edward B. Pringle, Menominee, Mich., assignor to Edward C. Dumas, Marquette, Mich.
Application October 26, 1949, Serial No. 123,585
2 Claims. (Cl. 46—107)



1. A push toy comprising a wheel rotatable on an axle extending through the center thereof, a first elongated bar secured at one of its ends to said axle on one side of said wheel, a second elongated bar eccentrically pivoted at one of its ends to the other side of said wheel, a first object, a block disposed between said bars and secured at its lower end to said second bar, said first object being pivoted for vertical movement upon the upper end of said block, a second object, means for pivotally and rockably securing said second object to both of said bars behind said first object, and means for rocking said first object as the toy is pushed on the ground, said last-named means including a laterally extending rod carried at the front of said first object and adapted to strike said first bar and rock said first object at a predetermined position of said first bar relative to said second bar.

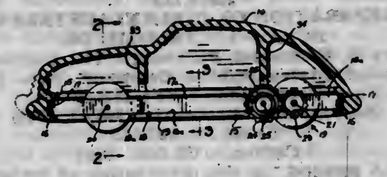
2,570,710
PLUVIOMETER
Eduardo Faustino Quinteros, Cordoba, Argentina
Application December 3, 1948, Serial No. 63,398
2 Claims. (Cl. 73—171)

1. A rain gauge comprising, in combination, a tubular base, a shaft rotatably mounted in said base, a wind direction vane fixed to said shaft, a plate horizontally affixed to the upper end of said shaft, a receptacle having an open top and a closed bottom mounted on said plate, said receptacle having oppositely disposed openings in its side walls adjacent the bottom, measuring means communicating with one of said openings, draining means communicating with the other of said openings for removing the water held by said receptacle, a cup member having an opening in its lower wall, a cross shaft pivotally mounting said cup member in the open top of said receptacle and extending through the upper side walls



of said receptacle, cup tilting vanes mounted on the ends of said cross shaft and adapted to tilt said cup member in the direction of the prevailing wind.

2,570,711
TOY VEHICLE
Dietrich G. Rempel, Akron, Ohio, assignor to Rempel Manufacturing, Inc., Akron, Ohio, a corporation of Ohio
Application June 10, 1946, Serial No. 675,703
5 Claims. (Cl. 46—201)

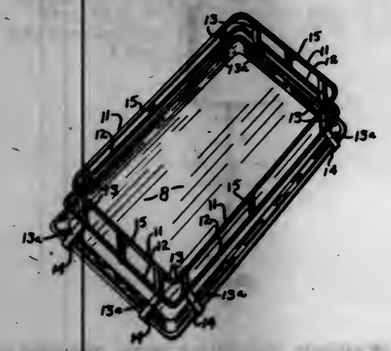


5. A toy vehicle comprising a chassis including a frame having oposite portions of substantial length and a body hollowed on the underside thereof, to define a skirt portion of flexible resilient material and having generally the configuration of the frame, said skirt portion having lateral grooving presented inwardly of the body corresponding to said frame portions, said frame being received in said grooving by flexure of said flexible skirt portion and being retained therein by the inherent resiliency of the material of said skirt, spaced wheel assemblies carried by said frame including axles mounted on said frame and having wheel members freely rotatable on opposite ends thereof.

2,570,712
TRAY FENCE
Fred A. Rhine, Augusta, Kans.
Application May 27, 1947, Serial No. 750,671
3 Claims. (Cl. 65—53)

1. In a tray fence for use on a tray having a bottom, wall portions around the bottom and defining the depth of the tray and an outwardly disposed flange portion extending around the top edge of the wall portion; a tray fence, said

tray fence having in combination, a plurality of fence rails, said fence rails being spaced apart one above the other and being the same shape and dimension as the bottom of the tray on which the tray fence is used, supporting legs, the upper portion of said legs being attached to the said spaced apart fence rails at intervals thereabout, said supporting legs being made of springable material and extending well below the

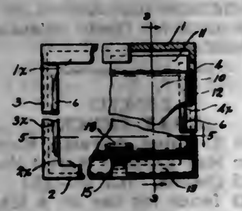


bottom rail of the said fence rails and then sloping to the outer edge of the flange of the tray and being springably tensioned inwardly therefrom, the lower end of said supporting legs having inwardly turned lip portions that are receivable under the flange of the tray for purposes of retaining the tray fence on the tray, said fence rails serving to hold the said supporting leg elements in their upright relative positions.

2,570,713
PREPARATION OF DIALKYLACETALS OF ACETO-ACETALDEHYDE
Henry H. Richmond, Pittsburgh, Pa., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 7, 1949, Serial No. 103,529
9 Claims. (Cl. 260—594)

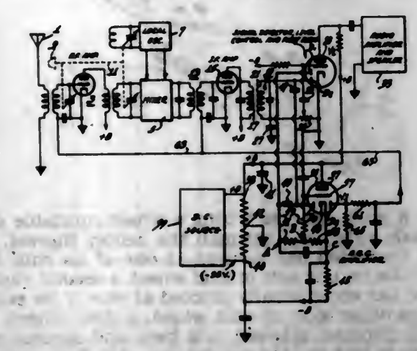
1. A method for the preparation of an acetoacetaldehyde dialkylacetal which comprises bringing together an alkali metal hydroxymethylenacetone, an anhydrous saturated aliphatic monohydric alcohol and anhydrous hydrogen chloride.

2,570,714
CHIMNEY PIT DOOR
Albert P. Robinson, Seattle, Wash.
Application November 18, 1946, Serial No. 710,585
2 Claims. (Cl. 189—46)



1. An ash pit door structure comprising in combination: a rectangular frame adapted for disposition and securement within a wall opening and comprising top and bottom rails and opposite end rails; said top rail having a depending flange at the front edge thereof, and said bottom rail having an upstanding flange at its front edge and a door removably applied to said frame having an inwardly and upwardly extending flange across its top edge adapted to be disposed back of the said depending flange and said door being adapted to be closely engaged along its opposite side edges and bottom edge with the front end surfaces of the opposite side and bottom rails of the frame and a tongue projecting inwardly and downwardly from the inside of the door to extend downwardly across and engage with the flange of the bottom rail of the frame for the support and securement of the door in closed position; there being clearance between the top edge of the flange at the top edge of the door and top rail permitting upward shifting of the door when in closed position for the disengaging of the tongue from the flange of the bottom rail.

2,570,715
AUTOMATIC GAIN CONTROL CIRCUIT
Harris A. Robinson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1948, Serial No. 16,053
6 Claims. (Cl. 250—20)

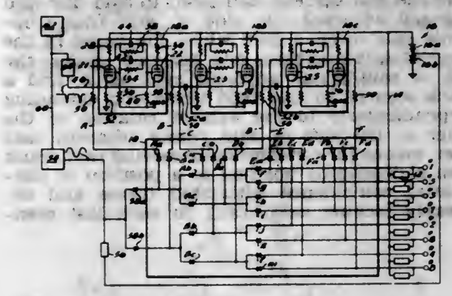


1. In a system for developing a delayed automatic gain control voltage for controlling the gain of a signal amplifier, the combination of means including a rectifier coupled with said amplifier for rectifying the signal output of said signal amplifier, a rectifier load circuit connected to said rectifier, a direct current amplifier connected to said rectifier load circuit for amplifying the rectified output voltage, and a further rectifier connected in shunt with said rectifier load circuit for maintaining said rectifying means and said direct current amplifier unresponsive to said signal output until said signal output exceeds a predetermined amplitude.

2,570,716
SIGNAL TRANSMISSION NETWORK
Nathaniel Rochester, Milton, Mass., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application November 27, 1948, Serial No. 62,256
13 Claims. (Cl. 177—353)

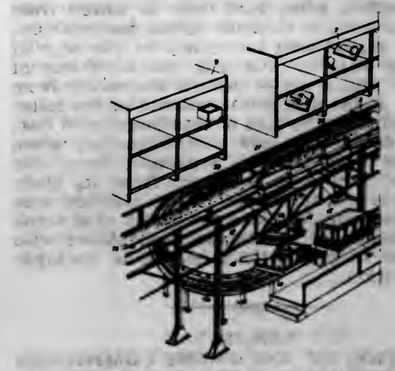
3. An electrical signal distributor comprising a passive network having n pairs of input leads and up to 2^n output channels wherein one output channel is selected by uniquely patterned energization of one input lead of each of said pairs of leads, each of said leads including isolating

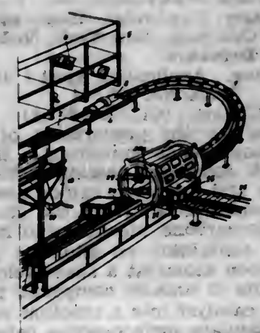
means, and signal applying means connected to each lead of one of said pairs of leads for trans-



mitting the signal through the network to one of said output channels.

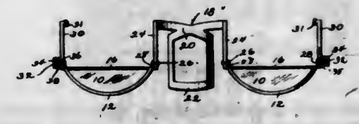
2,570,717
MACHINE FOR THE CONTINUOUS MANUFACTURE OF CASTING MOLDS
Robert André Marcel Ronceray, Thiais, France
Application September 10, 1948, Serial No. 48,606
In France April 23, 1948
4 Claims. (Cl. 22—20)





4. In a machine for the production of sand molds, the combination of an endless roller track provided with two gaps, at least one carriage adapted to move over said roller track and adapted to carry a selected pattern plate and flask, means for filling the flask with sand, at least at one point of its travel over the track, a rollover device inserted in a gap provided in said track beyond the last sand-filling means with its axis of rotation parallel to the line of progression provided on the track in register with the corresponding gap, said rollover including two guideways of which one is adapted to register with the roller track, and an annular member forming a latticed cylinder with a lateral aperture registering with the second series of rollers for allowing the removal of the sand-filled flask for a predetermined angular position of the rollover, the rotation of the rollover round its axis being adapted to shift the sand-filled flask from one guideway to the other, and a second stationary track perpendicular to the first track and forming a continuation of the second guideway for a predetermined angular position of the rollover for the removal of the sand-filled flask.

2,570,718
EYEGLASSES
John L. Rooney, Maywood, Ill.
Application October 13, 1947, Serial No. 779,609
3 Claims. (Cl. 88—41)

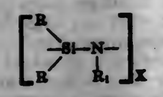


1. Eyeglasses comprising, a nose bridge rest, a pair of upright elongated lens frame supporting posts carried by the upper portion of said rest, a pair of upright temple posts, the said lens frame supporting and temple posts extending downwardly of the upper portion of said rest, temple members secured to the upper ends of said temple posts, lens frames having a straight edge and an arcuate edge, means carried by the lower ends of said posts for pivotally supporting a frame along its straight edge between the lower end portions of each lens frame supporting post and adjacent temple post for adjustment in uppermost or lowermost pivotal position, lenses secured in said frames, the said lens frame supporting posts and temple posts extending downwardly of the upper portion of said rest a sufficient distance so that the supported lenses in lowermost postion are disposed below the horizontal line of vision of the user and the said lens supporting posts and temple posts being disposed a substantial distance forwardly of the eyes of the user sufficient to permit the lenses to be pivotally turned inwardly in a plane perpendicular to the downward line of vision of the user.

2,570,719
FOAM SUPPRESSED LUBRICANT COMPOSITIONS
Harry W. Rudel, Roselle Park, and Abraham D. Kirshenbaum, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 26, 1949, Serial No. 89,306
6 Claims. (Cl. 252—49.6)

1. A lubricating composition consisting essentially of a mineral base oil of lubricating grade containing a detergent and, as a foaming suppressor, 0.0001 to 0.01% by weight, based on the

total composition, of a material having the general formula:



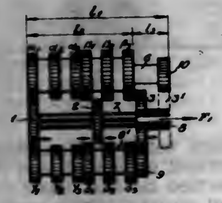
wherein R is a lower alkyl group of 1 to 4 carbon atoms, R_1 is a member of the group consisting of hydrogen, alkyl and aryl, and X is an integer of such value that the polymer has a molecular weight of at least 900.

2,570,720

APPARATUS FOR SCREW CUTTING AND FEEDS FOR MACHINE TOOLS

Martin Henri Rumpf, Uccle-Brussels, Belgium, assignor to "Le Progrès Industriel, Société Anonyme," Leth, Belgium, a Belgian company

Application September 21, 1946, Serial No. 698,474
In Belgium September 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 3, 1962
3 Claims. (Cl. 74—342)



1. In a screw-cutting and feed-movement gear for machine-tools, in combination with a first spindle, a slidable gear mounted on said first spindle and adapted to turn therewith, a plurality of other spindles parallel to the first spindle, wheels rigidly mounted and set on said other spindles, all the fixed wheels belonging to the same spindle having different numbers of teeth, all having the same outside diameter and the teeth of which are defined by the involute of a circle, the sliding gear wheel being adapted to engage simultaneously and correctly with the fixed wheels belonging to different spindles, a driven spindle and means whereby each of the latter transmits alternatively the movement towards the driven spindle.

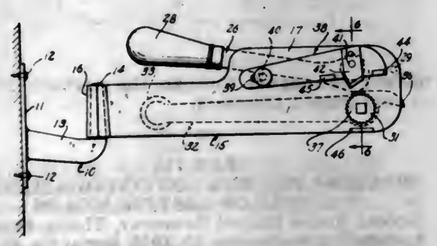
2,570,721

CAN OPENER

Mattie L. Russell, Huntington, W. Va.

Application September 12, 1947, Serial No. 773,534
4 Claims. (Cl. 30—8)

3. In a can opener having an elongated flat frame provided near one end with two, spaced-apart circular apertures disposed one above the other, a disc journaled in one of said apertures, a lever extending from said disc at one side of said frame and disposed substantially at right angles to the axis of rotation of said disc in said frame for imparting rotational movements to said disc, an elongated guide arm slidably connected at one end to said frame and pivotally connected at its other end to said disc eccentrically of the axis of rotation of the latter whereby said other end of said guide arm is raised and lowered by rotational movements of said disc, a can cutting blade carried by said guide arm near the end thereof connected to said disc and disposed adjacent the side of said frame opposite said lever, a feed wheel journaled in the lower of said apertures and disposed against the side of said frame adjacent said blade, and a crank secured to said feed wheel and extending perpendicularly to the axis of rotation of the latter at the side of said frame adjacent said lever, means for automatically moving said crank from a depending position to a position of substantial coincidence with said frame and releasably locking said crank in such last mentioned position when said lever is moved from its blade lowered to its blade raised position comprising a curved cam formation on the edge of said crank adjacent the disk connected end of said lever, and a pin projecting outwardly from said lever at the disk connected end of the latter and spaced from the axis of rotation of said disc, said pin contacting said cam formation when said crank is in position depending from said frame and said lever is moved from its blade lowered toward its blade raised position and moving said cam formation to rotate said crank into a position of substantial coincidence with said frame as said lever is moved to its blade raised position.



2,570,722

PRODUCTION OF THIOPHENE COMPOUNDS FROM A SULFUR DIOXIDE AND HYDROGEN SULFIDE MIXTURE

William F. Sager, Cambridge, Mass., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application April 1, 1947, Serial No. 738,741
11 Claims. (Cl. 260—332.8)

1. A process for the preparation of heterocyclic sulfur compounds containing a thiophene nucleus, which comprises passing a mixture of sulfur dioxide and hydrogen sulfide and an organic compound selected from the group consisting of hydrocarbons, alcohols and monohalo hydrocarbons containing an aliphatic chain of at least 2 carbon atoms at a space velocity less than 10 weights of organic compound per hour per weight of catalyst into a reaction zone containing a particulate surface-active catalyst, reacting said organic compound and said mixture of sulfur dioxide and hydrogen sulfide in the vapor phase at a space velocity less than 10 weights of organic compound per hour per weight of catalyst and at a temperature of at least 700° F. to form said heterocyclic compound, and removing from said reaction zone products of reaction containing said heterocyclic compound in substantial amount.

2,570,723

TELEVISION SYSTEM

Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 21, 1946, Serial No. 711,235
15 Claims. (Cl. 178—5.2)



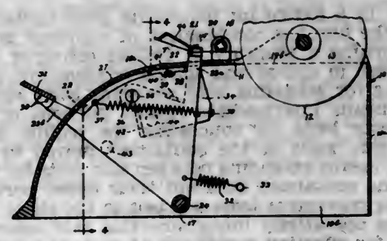
1. The method of operating a color television transmitter wherein a storage type cathode ray television pick-up tube having a target electrode is provided and wherein the target electrode is not completely discharged by a single scanning operation of a cathode ray beam which comprises the steps of producing a charge on the target electrode in accordance with the light values of a particular component color of the object area, producing a further relatively small charge on the target electrode in accordance with the light values of a different particular component color of the object area between each successive scanning operation, and scanning the target area to produce video signals according to the charges so produced, thereby to compensate for the lack of incomplete discharge of the target electrode by each individual scanning operation.

2,570,724

TAPE DISPENSER

Theodore G. Schaible, Mountain View, N. J., assignor of one-half to Harold G. Kendall, Brooklyn, N. Y., and one-half to George H. Fritzinger, West Orange, N. J.

Application November 4, 1946, Serial No. 707,610
12 Claims. (Cl. 164—84.5)



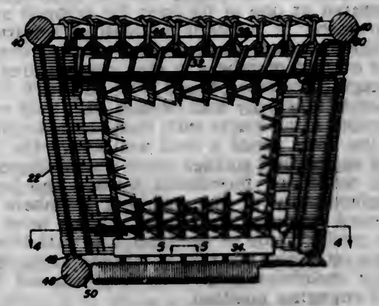
1. In a machine for dispensing lengths of pressure-sensitive tape, including a frame and a supply roll of tape rotatably mounted on said frame: the combination of a pair of cooperating tape-clamping members mounted for reciprocative movement with respect to said frame, means pivoting the one clamping member at the adhesive side of the tape to its cooperating clamping member on a pivot axis ahead of said clamping members with respect to their direction of advance, actuating means for advancing said clamping members to pull a length of tape from said roll and for returning the clamping members for a succeeding length, and means associated with said one clamping member for pivoting it about said axis to release it from the tape during the final part of each advance stroke of said actuating means and for reengaging it with the tape when the clamping members are returned.

2,570,725

DETACHABLE CHAIR BOTTOM

Isaac Satterfield, Cedar Grove, N. C.

Application February 1, 1950, Serial No. 141,694
7 Claims. (Cl. 155—187)



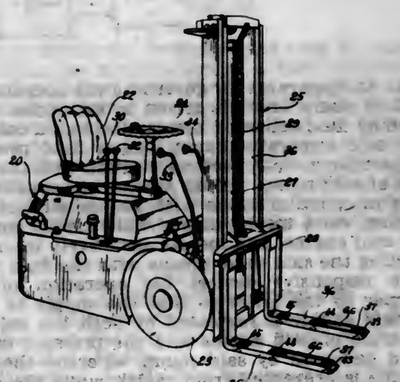
1. For use with a chair having legs connected by front, rear, and side rails, a detachable chair bottom comprising a sheet of pliable material having a marginal portion adapted to overlie the front rail, rows of loops formed along opposite sides of said marginal portion, a lacing member connecting said rows of loops for retaining said marginal portion in folded relation about the front rail, and means for securing the sheet to the rear and side rails.

2,570,726

CONVEYANCE LOADING APPARATUS

William W. Smith, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon

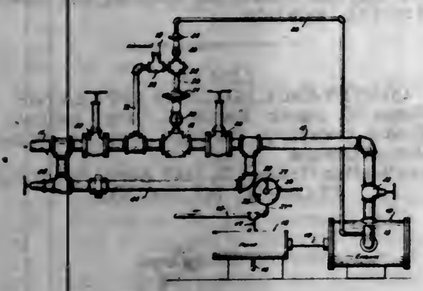
Application October 19, 1948, Serial No. 55,412
23 Claims. (Cl. 214—113)



1. Apparatus for effecting the placement of a load upon a conveyance from a supporting sur-

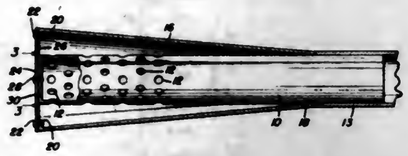
face without the use of a skid or the like and comprising, in combination, longitudinal load carrying members extending along a load carrying portion of the conveyance, sets of rotatably mounted rollers at positions spaced longitudinally along said load carrynig members and having axles disposed laterally of the members, the rollers of each set being of a size and so disposed that adjacent portions of their surfaces are normally in engagement and opposed portions of the surfaces thereof are exposed for rolling engagement with said supporting surface and a load and so that movement of the conveyance along said supporting surface with one roller of a set in contact therewith frictionally drives said one roller in one direction and the adjacent roller in the opposite direction, and a prod-type lever mounted at one of its ends for upward swinging movement in a plane extending longitudinally of the load carrying members and relative to one end of said members, a stop determining a load engaging position of said lever in which the lever extends upwardly and beyond said load carrying member at an angle such that the extending end of the lever prods a load well above the level of said supporting surface when forced thereagainst and continued movement toward the load and longitudinally of the carrying members effects upward swinging movement of the lever to lift the prodded side of the load, and said lever having a retracted position extending along the carrying members in a direction opposed to said load engaging position.

2,570,727
PUMP GOVERNOR
Ralph A. Spengler, Cleveland, Ohio
Application August 19, 1948, Serial No. 45,115
19 Claims. (Cl. 103—16)



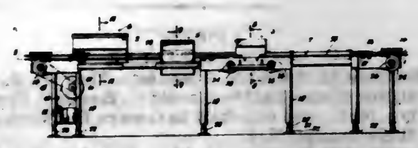
1. An apparatus for governing the operation of a fluid pump which is driven by an engine operated by fluid delivered thereto through a conduit, the said apparatus comprising a fluid pressure responsive device in communication with the output of said pump, a fluid pressure responsive device in communication with the exhaust of said engine, valve means in said fluid supply conduit for said engine, and means operatively interconnecting the said valve means with the fluid pressure responsive devices for operation of the former by the latter so that the supply of fluid to said engine is regulated by both the exhaust pressure of said engine and the pressure of the fluid delivered by said pump, whereby the said engine is prevented from racing while the pressure delivered by said pump is being raised to a predetermined value and the last-mentioned pressure is thereafter maintained substantially constant.

2,570,728
MUFFLER WITH FRUSTO-CONICAL BAFFLE AND REMOVABLY DISPOSED PERFORATED EXTENSION TUBE
William D. Storey, Chattanooga, Tenn.
Application November 29, 1948, Serial No. 62,443
2 Claims. (Cl. 181—47)



1. In a vehicle having at least one exhaust pipe, a muffler comprising a frusto-conical baffle having a narrow open end and a relatively wide open end, the narrow open end abutting and secured to the exhaust pipe, an extension tube removably disposed at one end in the bore of said exhaust pipe and being perforated adjacent the opposite end, an apertured closure attached to the wider end of said frusto-conical baffle and the perforated end of said removably disposed extension tube, the actual end of the latter being plugged with a closure disc, and to which end said apertured closure is centrally attached, thus supporting said tube.

2,570,729
MACHINE FOR INSPECTING GLASS CONTAINERS AND THE LIKE
Harry E. Stover, Lancaster, Ohio, assignor to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Application April 27, 1948, Serial No. 23,573
14 Claims. (Cl. 88—14)

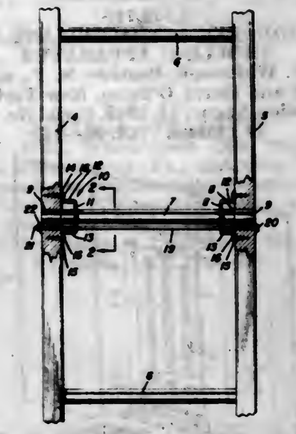


13. In a device for inspecting glass containers and the like, the combination of conveyor means comprising a plurality of endless conveyor belts disposed in end-to-end spaced relationship, drive means for actuating said conveyor belts, shielding means intermediate spaced portions of the conveyor belts for concealing the sealing zones and side walls of the containers moved by the belts, means extending between said belts for supporting containers adjacent their upper portions during movement from one belt to the other, and means operatively interconnecting said conveyor belts for effecting movement of each at substantially the same speed.

2,570,730
RUNG ANCHOR FOR LADDERS
Nolan A. Stroud, Abilene, Tex.
Application September 2, 1949, Serial No. 114,533
2 Claims. (Cl. 228—58)

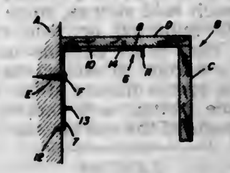
2. As a new article of manufacture, an anchoring bracket for a ladder repair rung com-

prising a substantially U-shaped strap member including a bight, lateral limbs and right angularly disposed outstanding terminal ends on said links, said bight having a centered opening there-



in providing a rung hole, and further having a radial notch in the marginal portion of the bight defining said hole, said notch forming a keeper seat for an end portion of said stay rod.

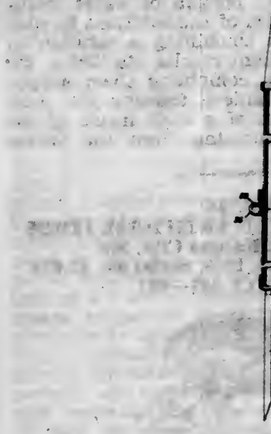
2,570,731
CORNICE BRACKET
Saul H. Susnow, Los Angeles, Calif.
Application June 6, 1949, Serial No. 97,333
2 Claims. (Cl. 160—19)



1. As a new article of manufacture, an angle bracket for hanging a cornice board comprising a pair of complemental limbs at right angles to each other, one limb being provided with an elongated screw accommodating slot, having a struck out spur at one end of said slot, said spur being of V-shaped form and adapted to penetrate and anchor in a complemental part, the outer end of said latter limb having a V-shaped spur and said spur being bent in a direction opposite to the direction of the first-named spur and being larger in size than said first-named spur.

2,570,732
ICE CHISEL
Glen A. Taylor, Crosby, Minn.
Application September 2, 1949, Serial No. 113,698
2 Claims. (Cl. 30—164.5)

1. An ice chopping device comprising a first pipe having externally threaded ends, an ice chisel having an integral internally threaded collar removably engaging one of said threaded ends, a second pipe having external threads on one end thereof, an internally threaded coupling joining the other threaded end of said first pipe with the threaded end of said second pipe, and an eye



hook carried by said coupling and adapted to engage an anchoring rope.

2,570,733
RECEPTACLE FOR FEEDING LIQUID FOOD TO HUMMING BIRDS
William G. Thomas, Medina, N. Y.
Application June 3, 1947, Serial No. 752,045
12 Claims. (Cl. 119—72)



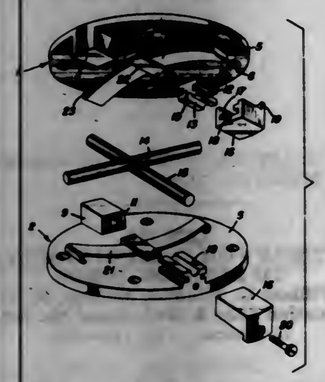
2. In a device for feeding liquid food to humming birds the combination of a food container having liquid food held therein by a partial vacuum, said container having an outlet hole in the side thereof, said hole being too deep to permit the food to be reached by a honey bee and shallow enough to permit the food to be reached by a humming bird, and a flower surrounding said hole to attract humming birds said flower having a hole therein adapted to make the hole deeper.

2,570,734
STABLE HISTIDINE ASCORBATE
Alphonse Walti, Westfield, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 30, 1948, Serial No. 68,276
2 Claims. (Cl. 260—309)

1. The process for the manufacture of stable histidine ascorbate, which comprises dissolving 1

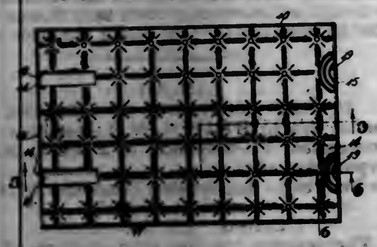
mol equivalent of ascorbic acid in one portion of water, dissolving 3.4 mol equivalents of histidine base in another portion of water, regulating the concentration of the solutions in such a manner that upon combining a solution of not more than 7 per cent results, sterilizing the two solutions, cooling, combining them aseptically into sterile containers, freezing the combined solution in form of a shell inside of the containers, and dehydrating from the frozen state.

2,570,735
FLEXIBLE JOINT FOR ARTIFICIAL LIMBS
Carl A. Weise, Kansas City, Mo.
Application March 18, 1949, Serial No. 82,076
1 Claim. (Cl. 287—82)



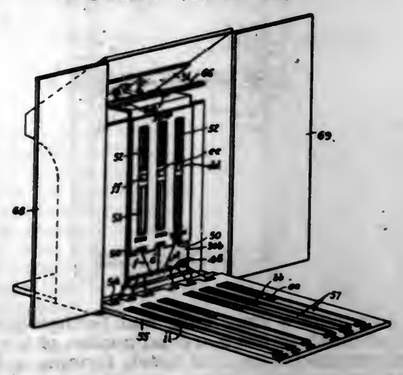
An ankle joint for artificial limbs comprising duplicate upper and lower joint members, each member including an attaching plate, a pair of aligned bearings on the opposed faces of the members, at least one of said bearings comprising a block having a groove in its face, a cap slidably connected to the block and having an internal groove in matching position with the first-named groove, tongue and groove means securing the cap on the block, a pair of rods connected to each other in crossed relation and having their ends rockably positioned in the bearings of the respective attaching plates, and leaf springs secured to said plates at substantially the centers thereof and located on confronting surfaces of said plates yieldably holding the plates in spaced relation from each other.

2,570,736
MATTRESS
Samuel Henry West, Sault Sainte Marie, Ontario, Canada
Application November 7, 1946, Serial No. 708,268
In Canada May 24, 1946
5 Claims. (Cl. 5—355)



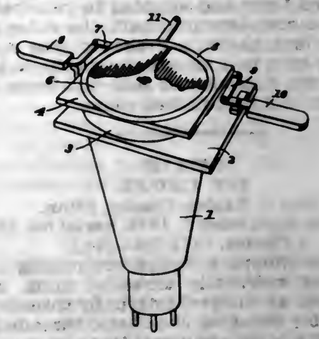
1. A mattress of the type described, comprising a central layer of filling material, wedge shaped layers of filling material engaging both sides of said central layer, equalizing springs in said central layer along its longitudinal center a covering for said layers, and breathing vents in said layers and said covering at one end thereof.

2,570,737
MARIONETTE ACTUATING AND CONTROLLING APPARATUS
Charles E. Whitcomb, Bayside, N. Y., assignor to himself and Harry O'Brien, New York, N. Y.
Application August 15, 1949, Serial No. 110,437
14 Claims. (Cl. 46—13)



11. Marionette control apparatus for a marionette having a plurality of movable parts, said control apparatus comprising a plurality of strings attached to said movable parts of the marionette, said strings being supported by a carriage which is movable transversely of the direction of movement of said strings, whereby the marionette as a whole may be moved from one place to another, and a plurality of keys, one attached to each said strings, some of said keys being slidably mounted on said carriage and some of the keys being slidably mounted on a panel which is normal to said carriage, said keys being actuable by the fingers of the performer to manipulate the strings and thereby to actuate the movable parts of the marionette.

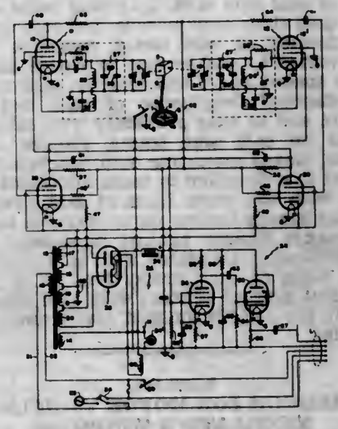
2,570,738
RADIO LOCATION
Gustav Wikkenhauser, Wells, England, assignor to Scophony Corporation of America, New York, N. Y., a corporation of Delaware
Application May 14, 1945, Serial No. 593,646
In Great Britain May 15, 1944
2 Claims. (Cl. 343—11)



1. In combination, a cathode ray tube including a screen, an apertured platform positioned

in a plane normal to the axis of said tube and adjacent said screen, a chart frame rotatably mounted in the aperture of said platform, and a light transmitting chart mounted in said frame, said platform being pivotally mounted relative to said tube whereby said rotatably mounted chart may be moved translationally relative to said tube screen in all directions in its own plane.

2,570,739
CONTROL APPARATUS
Rudolf F. Wild, Wilmington, Del., and Fred J. Curran, Philadelphia, Pa., assignors, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 3, 1948, Serial No. 12,873
6 Claims. (Cl. 178—19)



1. Electrical signal transmission apparatus, comprising a transmitting portion including first and second normally operative oscillation generators each having a control circuit operative to adjust the oscillation generator between operative and inoperative conditions, having an output portion, and adapted, when in an operative condition, to produce in said output portion a continuous oscillatory output signal to be transmitted having a frequency which is above or below a predetermined frequency, depending on the direction of departure of a respective quantity from a predetermined value, and which differs from said predetermined frequency by an amount dependent upon the magnitude of said departure, said predetermined frequency being substantially the same for both of said oscillation generators, first and second electron discharge devices, each having an input circuit and an output circuit and operative, when conductive, to pass to the output circuit signals applied to the associated input circuit, keying means connected to said discharge devices and operative to maintain one of said discharge devices non-conductive during first periods in which the other of said devices is conductive and which alternate with second periods in which said other device is maintained non-conductive and said one device is conductive, means connecting each of said control circuits to a respective one of said output circuits and operative to render each of said oscillation generators inoperative when the associated one of said devices is conductive, and means connecting the output portion of each of said oscillation generators to the input circuit of the respective one of said devices to the output circuit of which there is connected the control circuit of the other of said oscillation generators, whereby each of said devices, when conductive, passes to its output circuit the signal produced by one of said oscillation generators and simultaneously renders the other of said oscillation generators inoperative, said transmission apparatus also comprising a receiving portion including first and second normally operative receiving devices each having an input circuit, an output circuit, and a frequency discriminating circuit and adapted, when operative, to produce in the last mentioned output circuit a signal whose direction is dependent upon the direction of departure from said predetermined frequency of the frequency of a signal applied to the last mentioned input circuit, and whose magnitude is dependent upon the magnitude of the last mentioned departure, and keying means connected to said receiving devices and operative to maintain one of said receiving devices inoperative and the other of said receiving devices operative during the aforementioned first periods, and operative to maintain said other of said receiving devices inoperative and said one of said receiving devices operative during the aforementioned second periods, a single transmission circuit connected between both of the first mentioned output circuits and both of said last mentioned input circuits, whereby the signals appearing in said first mentioned output circuits are applied to said last mentioned input circuits, and a load device connected to each of said last mentioned output circuits.

2,570,740
TICKING TOY WATCH
Lawrence Wise, Cedarhurst, N. Y., assignor to Ever Tick Corporation, Floral Park, N. Y., a corporation of New York
Application June 1, 1950, Serial No. 165,416
16 Claims. (Cl. 58—106)



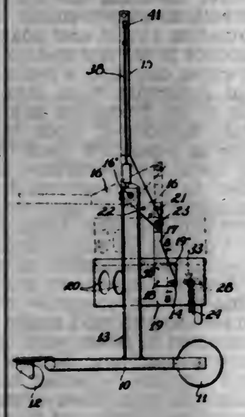
1. A toy watch having a front wall, an opening in the front wall; a gear wheel parallel to the front wall, watch hands secured to the gear wheel and passing through the opening in the front wall and having bearing support in said opening for rotatively supporting said gear wheel; said watch hands being bent parallel to the front wall.

10. A ticker for a toy device comprising a base, said ticker having a spring and means for anchoring one end of said spring to said base, the opposite end of the spring being free to oscillate a weight at said opposite end of the spring, and a percussion element carried by said spring intermediate the ends.

2,570,741
BARREL LIFT
Edward A. Zeh, Passaic, N. J., assignor to Falstrom Company, Passaic, N. J., a corporation of New Jersey
Application November 4, 1946, Serial No. 707,612
3 Claims. (Cl. 214—1)

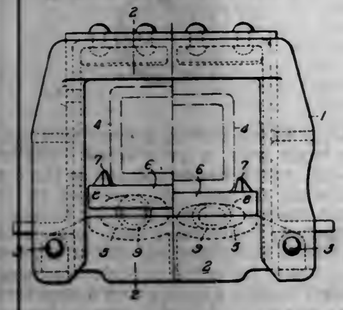
1. In a device of the character described having a mobile frame provided with supporting

standards at opposite sides of the frame, a handle pivoted on said standards for propelling the frame, and a barrel clamp formed of a split band pivotally suspended from said handle and adapted to encircle a barrel, means for securing the ends of said band together in barrel-clamping relationship comprising a chain attached to one end



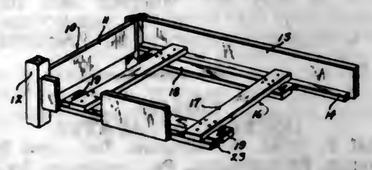
of said band, a lever having a handle portion terminating in a hub portion pivoted on the other end of said band, a pair of axially spaced lugs on said hub forming a recess for reception and retention of a link of said chain, and means for releasably locking said lever against rotation.

2,570,742
RESILIENT CAR COUPLER SUPPORT
Kurt E. Zeidler, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 16, 1946, Serial No. 716,486
8 Claims. (Cl. 213—61)



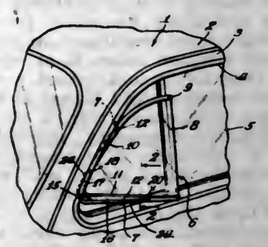
1. A device for positioning and resiliently supporting a coupler upon a railway car having a member fixed to the car; said device comprising a carrier arranged to move laterally and vertically with a coupler and provided with a surface on the underside thereof, an element adapted to be fixed to said member and provided with a surface on the upper side thereof, and a multi-ply resilient roller interposed between said surfaces which cushions the carrier against vertical shocks as the surfaces co-operate with the roller to return the carrier to normal central position when free to do so, each of said plies having a slot extending between opposite ends thereof, the slit of each ply being disposed at an angle to the slit of an adjacent ply.

2,570,743
SLAT STRUCTURE FOR BEDS AND THE LIKE
Ernest H. Anderson, Jamestown, N. Y.
Application January 9, 1945, Serial No. 571,975
1 Claim. (Cl. 5—236)



In a bed frame structure having connected end and side rails and cleats carried by and forming ledges on adjacent faces of said side rails; a slat frame comprising several parallel spaced apart slats disposed transversely of the direction of the length of said side rails, said slats being of such length that their ends overlie and rest upon the ledges formed by said cleats, members permanently joined to and serving to secure said slats in their spaced apart relationship, said members being disposed lengthwise of said bed frame structure and in near proximity with said cleats, brackets on said slat frame, flanges on said brackets, means mounting said brackets for adjustment in a direction to cause abutment of said flanges with the inner faces of said cleats, said mounting means having parts operable to secure said bracket flanges against movement out of their position of abutment with said cleats, said flanges being of such proportions as to provide a sufficient area of contact with said cleats and transmit the rigidity of said slat frame to said bed frame.

2,570,744
TROUGH FOR MOTOR VEHICLE VENTILATING WINDOWS
Kador George Anderson, Chicago, Ill.
Application February 18, 1950, Serial No. 145,070
5 Claims. (Cl. 296—44)

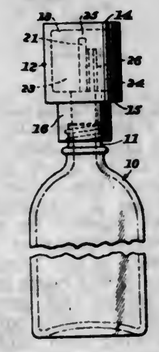


1. A trough of the type described comprising an elongated base section and a head section which extends upwardly at one end of said base section, said base section having a longitudinally extending, upwardly open groove formed therein which terminates at the other end of said base section and having a transversely extending, downwardly open groove formed in the underside thereof adjacent said other end of said base section.

2,570,745
FLUID MEASURING AND DISPENSING DEVICE
John T. Arnold, Camden, Ark.
Application June 14, 1950, Serial No. 168,058
4 Claims. (Cl. 222—417)

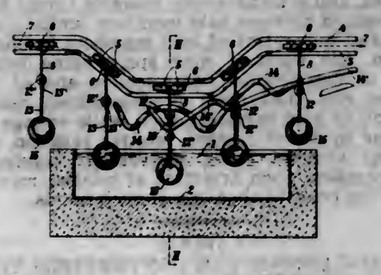
1. A fluid measuring receptacle of the class described including a body having a chamber

therein, said chamber being closed at one end by a base and having a transverse member at its opposite end provided with an outwardly extending tubular portion, said tubular portion having means for detachably connecting the device to a fluid container, a partition in said chamber separating the same into a receiving compartment and a measuring compartment, said partition engaging centrally the transverse member and the opposed sides of the body, said partition terminating short of the base to form a passage communicating said compartments



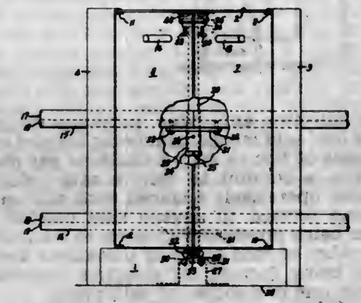
with each other, and an overflow member in said measuring compartment having a longitudinal opening communicating at one end with said tubular portion and at its opposite end with the measuring chamber, said device when communicatively connected to a fluid container being reversible so as to discharge a portion of the fluid into the measuring chamber and when returned to its upright position returning the fluid in the receptacle through the receiving chamber and the overflow member to the container while retaining a predetermined quantity in the measuring chamber.

2,570,746
GALVANIZING APPARATUS
Heinz Bablik, Vienna, Austria, assignor to Brunner Verzinkerei Bruder Bablik, Vienna, Austria, a firm
Application April 1, 1949, Serial No. 84,784
In Austria September 8, 1948
10 Claims. (Cl. 91—12.6)



1. Conveyor means for use in conjunction with a galvanizing tank of an apparatus for galvanizing articles, especially hollow articles, such as pails or the like, by dipping same into said tank, comprising in combination: a track, at least one carriage movable on said track, driving means operatively connected with said carriage for moving same along said track, a supporting member mounted on and suspended from said carriage, holding means arranged below said track for holding an article, a pivotal connection between said holding means and said supporting member, said pivotal connection being arranged below said track substantially in the vertical plane containing the latter, the axis of said pivotal connection extending substantially parallel to the longitudinal axis of said track, a pair of steering rails of predetermined wave-like shape extending in planes parallel to the vertical plane containing said track, one steering rail on each side of said track, and a pair of projections laterally extending from said holding means, one projection on each side of said holding means, each of said steering rails being in engagement with one of said projections during a movement of said carriage along said track whereby said holding means may be swung relative to said carriage about the axis of said pivotal connection.

2,570,747
ROTARY SHELF CABINET
James Bailey, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application June 21, 1949, Serial No. 100,383
3 Claims. (Cl. 312—238)



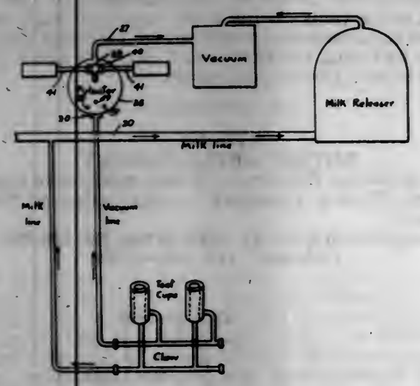
2. In a cabinet having rotary shelves affixed to a rotatably supported shaft, a locking device for maintaining said shelves in a fixed position, said locking device comprising a pair of bearing plates supported by the cabinet frame, a collar affixed to said shaft and rotatably supported between said bearing plates, means defining at least one groove on the end of said shaft, a locking bar cooperable with said grooves, members carried by said locking bar resiliently connected to said bearing plates for positioning and biasing said locking bar against the end of said shaft.

2,570,748
WIRE DRAWING APPARATUS
Fillmore Franklin Bain and Olney Brown, Baltimore, Md., assignors, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application July 9, 1945, Serial No. 604,668
1 Claim. (Cl. 29—155.42)

The method of producing stainless steel wire of high surface luster and substantially free of seams, slivers, lines and the like, comprising working stainless steel to the rough wire-size desired, coating the wire with non-metallic coat-

ing, cold-drawing the same through a die at the rate of about 100 or more feet per minute while rotating the die during drawing at a rotational speed of approximately 900 or more R. P. M., removing the coating, and thereafter electropolishing the cold-drawn wire thus formed.

2,570,749
PULSATOR FOR MILKING MACHINES
Cecil Burton Barber, Sydney, New South Wales, Australia
Application October 23, 1945, Serial No. 624,062
In Australia October 17, 1944
13 Claims. (Cl. 137—145.1)



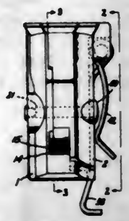
1. In pulsator apparatus, pulsating imparting mechanism, said mechanism being formed to provide series of two or four pulsations per cycle of operation, a conduit to receive said pulsations, a member operatively engaged with said mechanism and formed to engage said conduit, said member being provided with ports to transmit one or the other of said series of pulsations and said conduit being formed for selective communication with one or another of said ports.

2,570,750
BRASHENING OF WOOL
Jackson Bauer, Newportville, Pa., assignor to Fred Whitaker Company, a corporation of Pennsylvania
Application October 21, 1948, Serial No. 55,765
8 Claims. (Cl. 117—141)



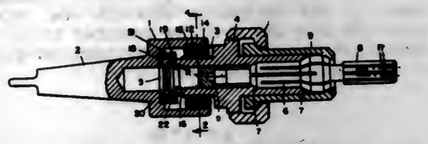
1. The process of treating wool to impart characteristics associated with brashness, which comprises degreasing the wool to a total grease content of less than ¾% based on the dry weight of the fiber, subsequently treating the wool at any stage in its processing with a solution consisting of an acidified aqueous dispersion of colloidal silica of an initial silica particle size between 10 and 100 millimicrons and having a pH of 2 to 6 until the pick-up of silica by the wool is in the range between 0.1 and 2% based on the dry weight of the fiber, and drying the wool.

2,570,751
LAMP SOCKET
George B. Benander, Oaklawn, R. I., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application August 24, 1949, Serial No. 112,074
7 Claims. (Cl. 173—340)



1. A lamp socket comprising a housing divided into two parts by a plane passing longitudinally therethrough, said housing defining a lamp receiving receptacle at the upper end thereof and an aperture adjacent the bottom end of said housing for receiving a conducting wire, said parts being secured together by means perpendicular to the dividing plane at a point below the receptacle portion of the housing to provide for relative rotation of the parts in said dividing plane, recesses in one of said parts, contacts in said recesses, prongs electrically connected to said contacts and extending into said aperture for piercing a conducting wire placed therein.

2,570,752
FLOATING TOOLHOLDER
Milton L. Benjamin, Shaker Heights, and Franklyn E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin
Application March 24, 1948, Serial No. 16,686
9 Claims. (Cl. 279—16)



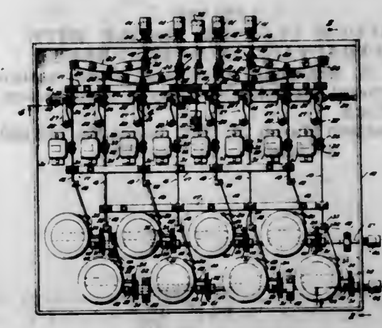
9. In a floating tool holder, the combination of substantially co-axially disposed tool holding and shank members loosely fitted one with the other whereby to define an annular space therebetween, a resilient element in such space connected to said members to thus connect said members for angular and parallel movement relative to one another, and a transversely movable thrust bearing engaged between said members limiting relative axial movement of said members in one direction, the walls of such space being respectively of non-circular cross-section and of such relative size that upon predetermined relative rotation of said members such walls engage one another to arrest further relative rotation, said resilient element being respectively bonded to said members, such arresting of relative rotation occurring prior to shearing of such bonds.

2,570,753
SPADE CONNECTOR CONVERTIBLE TO RING CONNECTOR
Quentin Berg, New Cumberland, Pa., assignor to Aircraft-Marine Products, Inc., Harrisburg, Pa.
Application February 8, 1949, Serial No. 75,183
1 Claim. (Cl. 173—269)

An electrical connector construction having a tongue embodying a pair of adjacent spade portions, the inner edge of one spade portion being substantially parallel to the inner edge of the other spade portion and said edges defining therebetween a substantially parallel-sided slot-like recess of greater length than width, said spade portions including a nonplanar ruffle-like formation on their respective outer edges, and said nonplanar formations having a line of bend extending across each spade portion to a point adjacent the inner edge thereof, nearer the inner end of said recess than the distance between said edges but further from the inner end of said recess than one-half said distance.

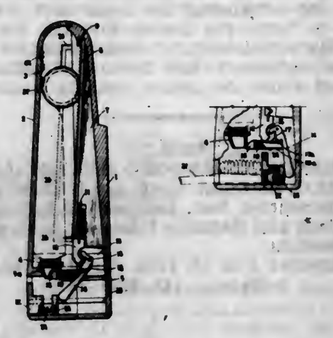


2,570,754
TIMING DEVICE
Ronald Wade Boling, Hendersonville, N. C., assignor of one-half to Robert Wade Lindsay, Enka, N. C.
Application June 15, 1950, Serial No. 168,350
5 Claims. (Cl. 161—15)



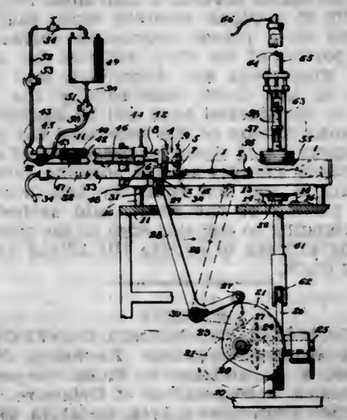
1. Apparatus for making time studies of industrial operations involving a plurality of sequential steps to be studied which comprises a plurality of stop-watches for the steps of the operation to be studied, watch movement actuating means associated with each watch, means responsive to the actuation of any one of the said actuating means for stopping another watch movement operating at the time of actuation of the said actuating means while retaining on the said watches an indication of cumulative time registered thereby in operation through at least one interval of time; a counting mechanism associated with at least one of the said movement actuating means so as to be advanced thereby; a continuously operating clock and means responsive to movement of the said movement actuating means for returning the time indicator of the said continuously operating clock to a position indicating zero time; and means separate from the last said means for returning the time indicator of the said continuously moving clock to a position indicating zero time and for simultaneously stopping the watches.

2,570,755
TOOTH PASTE DISPENSER
John L. Booth, West Palm Beach, Fla., assignor to Jay G. Glynn, Coral Gables, Fla.
Application March 23, 1949, Serial No. 83,049
4 Claims. (Cl. 222—96)



1. In a paste dispenser, in combination with a case adapted to receive a collapsible, paste-containing tube having a bottom outlet, a roller journaled in said case and engageable with said tube for the extrusion of paste therefrom, a gear encircling said roller, a rack mounted for reciprocation in said case and engageable with said gear, a resilient nozzle communicating with said outlet and a snubber mounted for reciprocation in said case and normally engageable with said nozzle in sealing relation therewith, a trigger operatively connected with said rack and releasably engaged with said snubber and operable to simultaneously actuate said rack and withdraw said snubber out of nozzle sealing relation, means carried by said rack to disengage said trigger from said snubber to permit the retraction thereof into nozzle sealing relation upon the extrusion of a predetermined quantity of paste.

2,570,756
STAMPING MACHINE
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio, a corporation of West Virginia
Application March 30, 1948, Serial No. 17,989
8 Claims. (Cl. 101—335)



1. A stamping machine of the character described, including a horizontally reciprocable

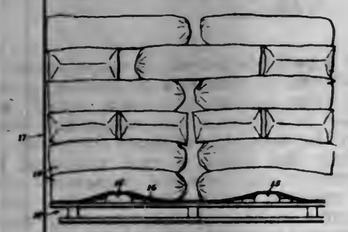
platen and a horizontally reciprocable squeegee head positioned in operative relation above the platen, a vertically reciprocable stamp positioned above the plane of the platen to cooperate therewith, and operating means connected with the platen and head, said operating means including means for advancing the head and platen together to bring the platen beneath the stamp, means for withdrawing the platen while the head remains stationary, and means for withdrawing the head while the platen remains stationary.

2,570,757

HANDLING BAGGED MATERIALS

Reginald G. Bowman, Gary, and William J. Knox, Jr., Hammond, Ind., assignors to International Smelting and Refining Company, a corporation of Montana

Application July 18, 1946, Serial No. 684,564
7 Claims. (Cl. 214—152)



1. The method of handling bagged material which comprises arranging a pair of spacers in substantially parallel relation on a substantially rigid platform, placing a deformable pallet board over the spacers, stacking a considerable number of bags of material on the deformable pallet, compressing the resulting stack sufficiently to deform the pallet about the spacers and to increase the stability of the stack somewhat, removing the spacers and thereby opening essentially parallel grooves formed by deformation of the pallet about the spacers, and thereafter handling the stacked bags as a unit by lifting with arms inserted into said grooves under the pallet.

6. A pallet suitable for use in handling stacked bags of material which maintains substantially an arched structure when deformed together with the bags, consisting essentially of a sheet of paper, the major portion of said sheet lying substantially in a plane, whereby when said sheet is placed on a planar supporting surface said planar portion of the sheet will rest flat against it, and when bags are stacked on said planar portion of the sheet, substantially the entire weight of the stacked bags will be supported by said planar portion of the sheet and the underlying support, said sheet having a pair of spaced substantially parallel arched portions extending outwardly at one face from the bag-supporting planar portion of the sheet, said arched portions extending to one side edge of the sheet and providing grooves to receive the lifting arms of a lifting truck.

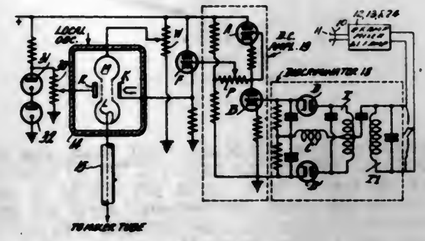
2,570,758

AUTOMATIC FREQUENCY CONTROL

Rene A. Braden, Lawrence Township, Mercer County, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 4, 1946, Serial No. 694,753
15 Claims. (Cl. 250—36)

1. An automatic frequency control system comprising a local vacuum tube oscillator having electrodes and having a frequency of oscillation which is responsive to the voltage difference therebetween, a source of waves with which the frequency of said oscillator is to be compared, and means for maintaining a constant frequency difference between the frequency of oscillation of said oscillator and the frequency of said source, said means including apparatus for beating said waves with



the oscillations from said oscillator to derive beat frequency oscillations, a frequency discriminator having a pair of coupled tuned circuits, connections to supply said beat frequency oscillations to said discriminator, a balanced direct current amplifier in the output of said discriminator, and circuit connections from said amplifier to two electrodes of said oscillator to control the voltage therebetween.

2,570,759

VACUUM CLEANER NOZZLE WITH RETRACTABLE FLOATING BRUSH

George H. Bramhall, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application March 28, 1950, Serial No. 152,480
3 Claims. (Cl. 15—371)



1. In a suction nozzle for a vacuum cleaner of the type having a hollow elongated body open at the bottom and with a suction tube communicating with the hollow body, that improvement which comprises a central, lengthwise extending partition in the body, an upwardly facing hook on said partition, an elongated brush in said body extending generally parallel to said partition adjacent said hook, springs between said body and said brush urging the brush downwardly toward said open bottom, a U-shaped brush supporting member with a bight pivotally seated in said hook and arms extending away from said partition under said brush, said support arms, by their pivotal position relative to said support bight, limiting the distance that said springs may urge said brush toward said open bottom and means for adjusting the position of said arms relative to the pivot seat of the supporting member to vary the position of the brush.

2,570,760

PREPARATION OF N-CYANOMETHYL-MORPHOLINE

Walter M. Bruner and Frederick K. Watson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 18, 1949, Serial No. 94,044
1 Claim. (Cl. 260—247.5)

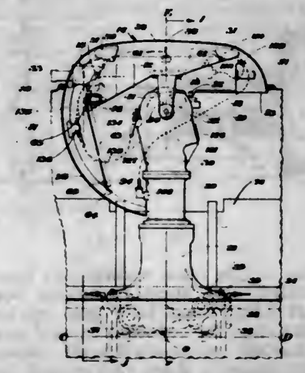
A process for preparing N-cyanomethyl morpholine which comprises adding formaldehyde cyanhydrin to morpholine in the presence of water as a diluent in the absence of any added catalyst at a temperature within the range of 20° to 65° C. and thereafter heating the resulting mixture at a temperature within the range of 75° to 100° C. until the reaction between the formaldehyde cyanhydrin and the morpholine is complete, and separating N-cyanomethyl morpholine from the resulting product.

2,570,761

AIRCRAFT GUN TURRET

George Bussiere and Edward C. Holton, Los Angeles, Calif., assignors to North American Aviation, Inc.

Application February 20, 1945, Serial No. 578,892
15 Claims. (Cl. 89—37.5)



9. In an aircraft gun turret, a supporting structure, a tubular base portion fixedly attached to said supporting structure, a tubular column member journalled for rotation within said fixed base portion about a major axis, a pivot element journalled within said column member for rotation on an axis transverse to said major axis, a gun turret supported upon said pivot element, drive means for rotating said tubular column member about said major axis for movement of said gun turret in azimuth, and separate drive means including a worm gear segment fixed to said pivot driven by bevel gearing enclosed by and journalled within said tubular column member for movement of said gun turret in elevation.

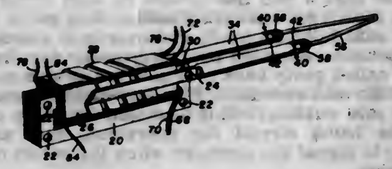
2,570,762

SOLDERING GUN

Joseph L. Caliri, Orange, N. J., assignor, by mesne assignments, to Caliri Manufacturing Co., Inc., Lawrence, Mass., a corporation of Massachusetts

Application December 13, 1948, Serial No. 64,993
2 Claims. (Cl. 219—28)

1. A combined transformer and electrode holding unit for soldering guns, comprising a laminated core including an elongated core member, a substantially tubular primary circuit coil provided on said core member, a secondary circuit forming element consisting of a single piece of material having a pair of spaced parallel tubular end portions and a flat intermediate portion wound to provide a helix and a pair of flat connecting regions extending from the ends of said helix to the respective tubular end portions, said helix being positioned on said coil with said tubular end portions projecting outwardly from



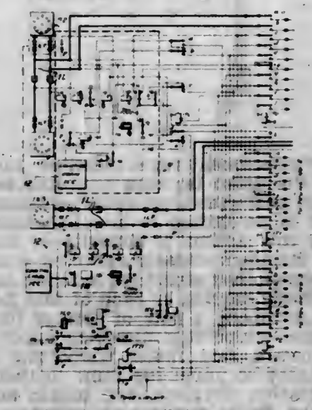
said core, said flat connecting regions being disposed in spaced relation at the opposite sides of one end portion of said core member, an insulated fastening element extending transversely through said core member and said connecting regions, and a pair of spacers provided on said fastening element between the core member and the respective connecting regions, said tubular end portions being substantially parallel to the axis of said helix, and sockets provided at the outer ends of said tubular end portions for connecting an electrode thereto.

2,570,763

DIAL-BACK TRUNKING SYSTEM FOR TELEPHONE EXCHANGES

Robert T. Campbell, Galion, Ohio, assignor to The North Electric Manufacturing Company, Galion, Ohio, a corporation of Ohio

Application December 6, 1947, Serial No. 790,132
5 Claims. (Cl. 179—27)



1. In an automatic telephone exchange system of the all-relay type wherein a calling party may require the services of an operator to complete calls to certain called parties, in combination, an automatic exchange of the all-relay type, a calling party's line entering said exchange, a called party's line entering said exchange, a line finder and a connector in said exchange together constituting an automatic link adapted to be engaged by the calling party for normally establishing connection between said lines, an operator's trunk circuit arranged to be connected to

said automatic link, said operator's trunk circuit including a two-wire composite signalling, talking and dialling circuit, a signal lamp at the operator's position, means responsive to a dial signal from said calling party for selecting said trunk circuit and connecting the same into said system, means responsive to the selection of said trunk circuit for connecting said talking circuit to the talking circuit of said calling party, for shifting the control of dialing to said dialing circuit, and for energizing said signal lamp to signal the operator that a call has landed on said trunk circuit, means for answering said calling party back over said talking circuit and over said automatic link, means operable by the operator for dialing said called party back over said trunk circuit and through said automatic link, and means operative over said automatic link and said two-wire composite trunk circuit for energizing said signal lamp to signal the operator when the called party answers.

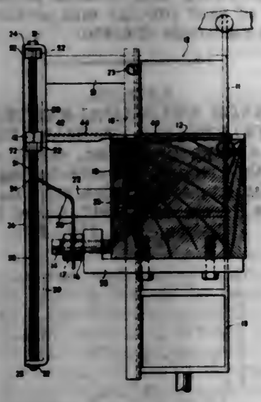
2,570,764

ATTACHMENT FOR MULTIPLE SHUTTLE LOOMS FOR PREVENTING FOULING OF THE FILLING THREADS

Clarence A. Cannon, Johnston, S. C.

Application October 22, 1949, Serial No. 123,066

10 Claims. (Cl. 139—116)



1. An attachment for a multiple shuttle loom having the usual lay and a shuttle box structure provided with a plurality of shuttle boxes adapted to be shifted to bring the shuttles selectively into action, a plurality of finger supporting members slidably mounted with respect to the shuttle box structure, a filling thread engaging finger carried by each of said finger supporting members, a pair of springs for each of said finger supporting members oppositely disposed toward said finger supporting members and adapted to impel the same to their respective operative positions, and means adapted to locate the finger supporting members in their limit positions against the tension of the springs.

2,570,765

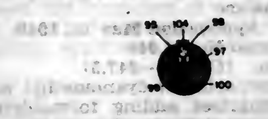
METHOD OF FITTING TUMBLER PINS

Robert C. Derf, Jr., Los Angeles, Calif., assignor to Hollywood Hardware Manufacturing Company, Los Angeles, Calif., a corporation of California

Application November 18, 1947, Serial No. 786,727

2 Claims. (Cl. 29—148)

1. The method of fitting tumbler pins in the key plug of a transverse sliding pin tumbler driver pin type cylinder lock to effect correspondence to a particularly notched key consisting of inserting overlength pins in the pin holes of said plug, holding the selected key in the key slot of said plug, and then grinding off the protruding ends of said pins and simultaneously forming a land on the side of said plug adjacent said pin holes, the outer ends of the pins being plane surfaced and made level with said land when the key is in place in the cylinder slot.



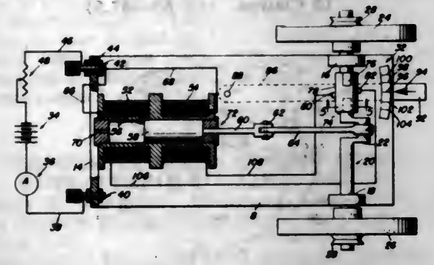
2,570,766

ELECTROMECHANICAL TOY

Roy L. Chenault, Seneca, Pa., assignor of twenty-five per cent to Calvin A. Wygal and twenty-five per cent to Daisy C. Wygal, both of Washington, D. C.

Application June 20, 1950, Serial No. 169,274

7 Claims. (Cl. 172—126)



1. In a toy of the class shown and described, a base provided with uprights having bearings, a crankshaft above said base and having end portions journalled for rotation in said bearings, said shaft having radial segmental contacts on diametrically opposite sides and spaced longitudinally from one another, a sleeve of insulation material surrounding said shaft and provided at its ends with notches coacting with and exposing the respective contacts, a block of insulation material slidably mounted on said base beneath said shaft, and a pair of individually and collectively actuable contact fingers attached to and rising from said block, located on diametrically opposite sides of said sleeve and selectively cooperable with the latter and said contacts.

2,570,767

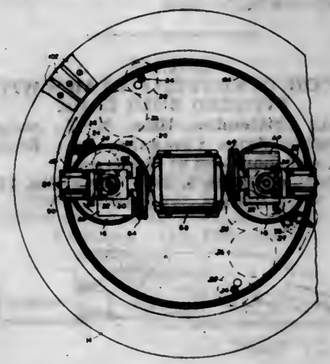
WOOL COMBING MACHINE

William E. Christensen, Auburn, and William B. Smith and James J. Sandy, Worcester, Mass., assignors to James Smith & Son, Inc., Worcester, Mass., a corporation of Massachusetts

Application May 2, 1950, Serial No. 159,588

7 Claims. (Cl. 19—123)

1. A machine of the class described comprising a base, a pair of upright pillars on said base, driving means within the pillars extending into the base, a bridge connecting the pillars and supported thereon, a motor on the bridge, driving means from the motor to both pillars separately, a detachable bracket on each pillar, a reciprocating brush on each bracket, a shaft in each bracket for driving the brush, a clutch member on said shaft, and a cooperating clutch member operatively arranged on each pillar for engagement therewith.



2,570,768

ROTARY TURBINE-TYPE HYDROKINETIC COUPLING

Robert Cecil Clerk, Richmond, England

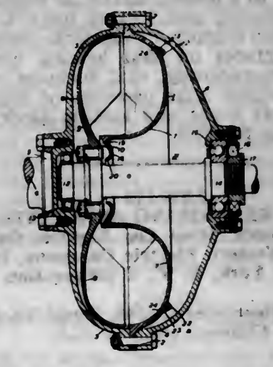
Application February 3, 1947, Serial No. 726,012

In Great Britain November 12, 1945

Section 1, Public Law 690, August 8, 1946

Patent expires November 12, 1965

5 Claims. (Cl. 60—54)



1. A hydro-kinetic coupling comprising a drive shaft, a closed casing secured to said drive shaft, a driven shaft coaxial with the drive shaft and journalled within said closed casing for rotation independently thereof, a substantially semi-elliptical shaped troughed runner secured to said driven shaft and disposed with its back adjacent to the wall of one side of the closed casing, a substantially semi-elliptical shaped troughed impeller secured partition-wise within the closed casing and having a central aperture for the passage therethrough of said driven shaft, said impeller being disposed so as to form an oil reservoir between the back thereof and the other side of the closed casing, and said troughed runner and troughed impeller facing one another to form therebetween a substantially elliptical shaped vortex chamber and being constructed to constitute between them a duct which is disposed substantially tangential to the cross-section of the vortex and which forms a continuous uninterrupted flow-restricting weir around the driven shaft, over which weir operating liquid directly passes from said vortex chamber to said oil reservoir and the back of the outer peripheral portion of said impeller having a plurality of centrifugally operable ports disposed substantially tangential to the cross-section of the vortex chamber for providing a smooth tangential inflow movement of oil from said reservoir into the circulating vortex under the effect of centrifugal action.

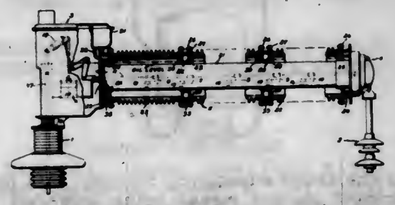
2,570,769

ELECTRIC CIRCUIT INTERRUPTER

Thellwell R. Coggeshall, Bala Cynwyd, Pa., assignor to General Electric Company, a corporation of New York

Application November 10, 1948, Serial No. 59,296

2 Claims. (Cl. 200—150)



1. Enclosing structure for a high voltage electrical device comprising a firmly supported horizontally disposed hollow casing member of insulating material, a plurality of ceramic shell sections disposed in spaced relation about said casing member, an inwardly projecting metallic flange secured to each end of each shell section, a plurality of annular members of flexible material disposed on said casing and operably related with the inner surfaces of said flanges to form an articulated shell around said casing thereby to accommodate bending of said casing and to prevent the transmission of shocks to said shells, yieldable bellows means interposed between opposed surfaces of adjacent flanges and secured thereto to render said shell fluid tight, liquid dielectric material in said shell completely surrounding said casing, a first port disposed in a lower portion of each of said flanges for aiding in equalizing the level of said liquid surrounding said casing, and a second port in each of said flanges above the normal level of said liquid to prevent the accumulation of localized excessive pressures along the length of said shell thereby to facilitate the liquid level equalizing action of said first ports.

2,570,770

X-RAY TUBE HAVING A ROTARY ANODE

Bart Combée, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

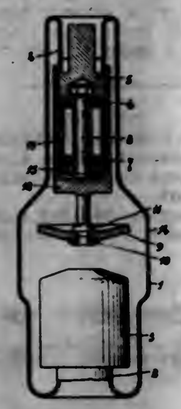
Application December 22, 1948, Serial No. 66,735

In the Netherlands February 23, 1948

4 Claims. (Cl. 313—60)

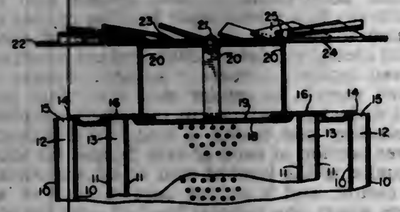
1. An X-ray tube comprising an evacuated envelope, a cathode, a rotatable anode, an anode supporting member secured to the anode and rotatable therewith and having a hollow cylindrical extension, a hollow stationary anode supporting member secured to the envelope positioned within the cylindrical extension and forming therewith a communicating passage between the discharge space and the interior of the stationary supporting member, a shaft member connected to the anode supporting member and extending axially through the stationary supporting member, bearing means interposed between the

shaft and the stationary supporting member, and means to store a supply of a bearing lubricant spaced apart and separate from the bearing means and positioned between the bearing means



and the anode supporting member, said bearing lubricant storage means being arranged to be heated to a temperature greater than that of the bearing means during normal operation of the tube.

2,570,771
BAFFLE STRUCTURE FOR COMBUSTION TUBE TYPE BURNERS
John J. Conron, Middleboro, Mass.
Application February 24, 1949, Serial No. 78,110
1 Claim. (Cl. 158—89)



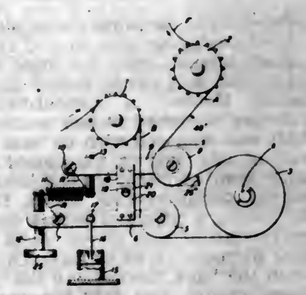
In a device of the class described, the combination of a cap plate to seat upon the tops of the cylinders of a range oil burner and made with a circular series of apertures adapted to be disposed at the top of one of the combustion chambers of the burner to serve as outlets for said chamber, the middle portion of said cap plate being imperforate and formed upon its top side with a circular recess; a baffle plate above said cap plate provided with depending legs resting within said recess and supporting said baffle plate above and spaced away from said cap plate, said baffle plate having a circular imperforate middle portion surrounded by a circular series of angularly spaced apart radial openings adapted to occupy positions directly above the cylinders of the burner and each of which openings is provided with an obliquely disposed deflector vane by which the products of combustion issuing upwardly through its opening are deflected laterally, one of said vanes being hingedly connected with said baffle plate so that it can be adjusted into an out-of-the-way position permitting a lighted taper to be passed through its opening to ignite a wick of the burner, all of said vanes except said hinged vane being integral stamped out portions of said baffle plate, and all of said openings being surrounded by an imperforate continuous peripheral portion of said baffle plate.

2,570,772
RECOIL OPERATED FIREARM WITH PIVOTED BOLT LOCK
Lexie Ray Crittendon, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application March 3, 1949, Serial No. 79,368
13 Claims. (Cl. 89—190)



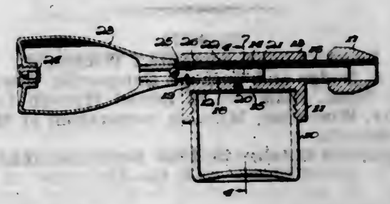
1. In a firearm comprising a barrel having therein a cartridge receiving chamber, means rigidly secured to said barrel and extending rearwardly from the mouth of said chamber, a chamber closing breech bolt reciprocable between a forward breech closing position and a rearward breech open position, and an operator for said breech bolt comprising a slide reciprocable with and movable relative to said bolt; the combination of means for locking said bolt in breech closing position comprising a locking block supported for rotation about a pivot on said slide from a breech locking position engaged with said barrel means to a breech unlocking position, and means for rotating said locking block to breech locking position comprising elements defining cooperating surfaces on said locking block and breech bolt respectively, said surfaces being so relatively inclined that pressure of either one upon the other urges said locking block toward breech locking position.

2,570,773
FILM TENSIONING APPARATUS
Charles C. Davis, West Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1949, Serial No. 131,342
3 Claims. (Cl. 271—2.3)



1. The combination in a sound film recording or reproducing apparatus provided with a rotatable drum supporting said film at an exposure point, of a mechanical filtering means, said filtering means comprising a pair of pivoted arms, each of said arms having a film engaging roller mounted in the free end thereof, the two said rollers engaging said film on opposite sides of said drum, a spring disposed substantially parallel to and interconnecting said pivoted arms to produce movement thereof in a direction to cause said rollers to engage said film, and means anchoring the ends of said spring to said arms, each said anchoring means being individually adjustable toward and away from its associated arm to vary the acting radius of said spring separately with respect to said arms.

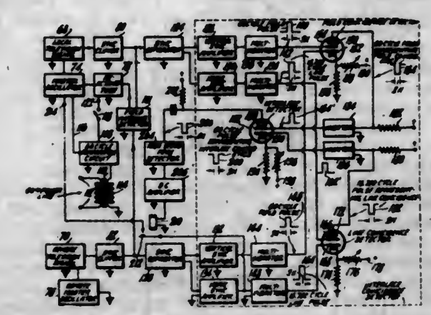
2,570,774
INSUFFLATOR
Frank P. C. Davis, Kelso, Wash.
Application October 21, 1947, Serial No. 781,129
3 Claims. (Cl. 128—266)



1. An insufflator including a medicament container, a cap carried thereby and formed with a portion having a bore therethrough providing a metering cavity communicating with the container to receive medicament therefrom, a discharge tube mounted in the forward end of said bore, a blow-tube slidably mounted in the rear end portion of said bore and movable forwardly to shift the forward end portion thereof through a mass of medicament in said cavity and load the blow-tube with a charge of said medicament as well as to abut at its inner end with the inner end of said discharge tube closing communication between the blow-tube and said cavity, whereby a blast of air through the blow-tube will expel said charge of medicament through the discharge tube with minimum leakage of air into said cavity, a bushing mounting said blow-tube, and coacting means carried by the blow-tube and said bushing respectively for imparting a rotary motion to the blow-tube as it is shifted forwardly.

2,570,775
ELECTRICAL TIMING COMPARATOR CIRCUIT
James R. De Baun, Greenvale, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,236
13 Claims. (Cl. 178—69.5)

1. In an electrical system utilizing two unrelated electrical signals, each containing a periodically recurrent component of substantially the same waveform contour, the combination of: means for generating the periodically recurrent component of said first signal, means for timing said generator, means for segregating the periodically recurrent component from the second signal, a first and second controllable pulse generator each productive of a substantially constant width indicating pulse, means for timing said first and second controllable pulse generators respectively in accordance with said first and said second periodically recurrent signal component, means for additively combining the indicating pulses from said first and second controllable pulse generators, and controllable means for applying the second signal periodically recurrent component to said first signal periodically recurrent component generator timing means



conditionally upon the timed coincidence of the indicating pulses in said combining means.

2,570,776
SHAFT COUPLING
Richard C. Dehmel, Short Hills, N. Y.
Original application October 2, 1947, Serial No. 777,414. Divided and this application July 16, 1949, Serial No. 105,163
5 Claims. (Cl. 64—10)

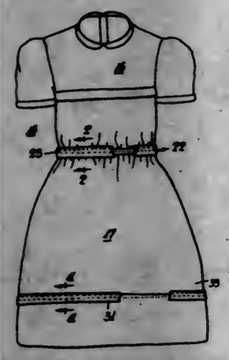


1. A coupling for two shafts that are closely spaced end-to-end comprising an arm connected to one of said shafts in offset relation thereto, said arm having a slotted portion at its free end, a second arm connected in offset relation to the adjacent end of the other shaft, and a tapered member connected to said second arm for engaging said slotted portion so as to mechanically couple said shafts, one of said arms being resiliently biased so that said member and slotted portion are urged into continuous engagement with each other at the tapered surface of said member so as to insure smooth angular drive notwithstanding limited misalignment of said shafts and to preclude back-lash between said shafts.

2,570,777
READILY ADJUSTABLE GARMENT
Walter L. Dessauer, New York, N. Y.
Application February 7, 1950, Serial No. 142,793
5 Claims. (Cl. 2—75)

1. A fabric skirt having a concealed, readily removable tuck on the inside thereof, said tuck being produced by folding the fabric of said skirt to provide overlapping layers on the inside of said skirt extending about the entire circumference of said skirt and secured together by readily removable stitching, and a trim member on the outside of said skirt positioned with its top edge just above said tuck and of a width

in excess of twice the width of said tuck, said trim member covering said tuck and thus con-



cealing from view said tuck and also the fabric forming said tuck when said tuck is removed.

2,570,778
ADVERTISING DUMMY
Augustus Hiram De Vane, Hot Springs, Ark.
Application September 6, 1949, Serial No. 114,134
1 Claim. (Cl. 40—126)



An advertising dummy comprising a substantially hollow body simulating a human figure and having arms including a hollow upper arm projecting horizontally laterally and forwardly from said body, pivot means mounting one hollow forearm of said figure for swinging movement through a vertical plane from a position in front of said body to a substantially vertical position free of said body whereby said forearm will be visible from front and rear of said body said means comprising a shaft journalled in said hollow upper arm, the extremity of said shaft extending through said upper arm and into said hollow forearm and being fixed thereto, a vertically disposed flattened bearing portion on the forward surface of said hollow upper arm surrounding said extending shaft, said vertically disposed flattened portion lying in a plane in front of said body, a complementarily flattened portion on the inner face of said forearm engaging said bearing portion, a lever arm fixed to said shaft within said upper arm, a link extending from said lever, means for actuating said link for swinging said lever and said forearm comprising a motor mounted within said body on a horizontal plane in substantial alignment with said shaft and including a shaft to be driven by said motor, a crank on said last mentioned shaft connected to said link so that upon operation of said motor the forearm will be raised from a position in front of said hollow body to a substantially vertical position above said upper arm and beyond the outline of said body, signal means mounted upon said forearm adjacent the extremity thereof, and means whereby said signal means is actuated upon movement of the forearm to a definite position, said signal means being of a character to be electrically energized.

2,570,779
REVERSIBLE RATCHET WRENCH
John S. Dodge and Dominic Campanile, Worcester, Mass., assignors to Lowell Wrench Company, Worcester, Mass., a corporation of Massachusetts
Application October 26, 1949, Serial No. 123,726
1 Claim. (Cl. 81—62)

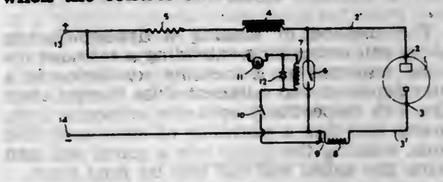


In a ratchet wrench of the type presenting a head having a socket-receiving opening therethrough to receive a rotatable toothed socket member, and also having a pawl-receiving chamber in one side face thereof to receive pivotally mounted pawls for actuating said socket member, the combination with a toothed socket member rotatably mounted in said opening and having an end portion projecting beyond said side face of the head, of a cap plate for closing the pawl-receiving chamber in said head, said cap plate having an opening therethrough located entirely within and spaced from the periphery thereof, through which opening the projecting end of the toothed socket member extends, an annular collar fitting said opening and surrounding the socket member, said collar providing a bearing for the socket member, the projecting end of the socket member having a circumferential groove located immediately beyond the collar, and a split spring ring removably received in said groove and by its engagement with the collar serving both to hold the toothed socket member in the head and to prevent the separation of the cap plate from the head.

2,570,780
CIRCUIT FOR OPERATING ELECTRIC DISCHARGE LAMPS
Gerald Clifford Duckett, North Harrow, and Anthony Haydn Willoughby, Garston, Watford, England, assignors to General Electric Company, Limited, London, England
Application August 5, 1948, Serial No. 42,556
In Great Britain August 11, 1947
4 Claims. (Cl. 315—103)

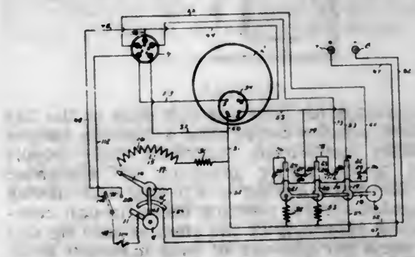
1. An electric circuit for operating from a direct current supply an electric discharge lamp having a gaseous filling and an anode and cathode requiring connection to the direct current supply in the correct polarity, which circuit comprises an inductance and a stabilizing resistance

in series with the lamp, an electromagnetically operated starting switch including a pair of normally open contacts and an operating coil, a branch circuit including said normally open contacts and a branch circuit including said operating coil, both said branch circuits being in shunt with the lamp, the branch circuit which includes the operating coil having a pair of normally open manually operable control contacts connected in series therein, the branch circuit including the switch contacts and the branch circuit including the operating coil of the switch being connected on opposite sides of said inductance, with the first named branch closer to the lamp, whereby when the control contacts are closed by an op-



erator for starting the lamp the operating coil will be energized to close the contacts of the starting switch thus short-circuiting the lamp, and when the control contacts thereafter are opened the operating coil will be de-energized causing the starting switch to open and thus produce a high voltage lamp starting pulse across said inductance, and an asymmetric rectifier connected in the branch circuit including the operating coil of the switch and directed for obtaining maximum current through the operating coil when the lamp anode is correctly connected to the positive terminal of the D. C. supply, the minimum current flowing on incorrect connection of the lamp anode to the negative terminal of the supply being insufficient to operate the switch.

2,570,781
APPARATUS FOR TESTING ELECTRICALLY ACTUATED INDICATING INSTRUMENTS
Carl F. Duerr, Jr., Gates Mills, Ohio, assignor, by mesne assignments, of 30/100 to Ralph R. Roemer, 35/100 to Louise E. Roemer, 25/100 to William R. Kiefer, and 10/100 to J. Everette Tompkins, all of Cleveland, Ohio
Application June 15, 1945, Serial No. 599,611
5 Claims. (Cl. 175—183)
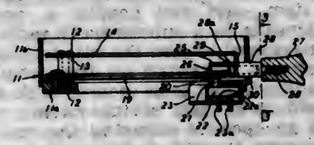


1. A testing apparatus for testing electrically actuated temperature indicating instruments, of the type having an energizing circuit and a control circuit, and responsive to indicate temperatures corresponding to values of current in the control circuit; comprising: an electrically responsive temperature indicating master instrument of the type to be tested having an energizing circuit and a control circuit; input conductors to which a source of current may be detachably connected, and connected to said circuits, to supply current thereto; a rheostat comprising a resistance in the control circuit; a handle for operating the rheostat to set the resistance thereof at different definite unknown arbitrary resistance values to cause corresponding values of current to flow in the control circuit; the master instrument being responsive to indicate a definite temperature for each setting of the rheostat and corresponding value of control current; the apparatus comprising first and second output conductors connected to said energizing circuit and control circuit respectively, to which the energizing circuit and control circuit of the instrument to be tested may be detachably connected; a switch manually operable to either of two positions selectively, and in one position having connections with the master instrument control circuit which cause the said values of current to flow therein and in another position having connections with the said second output conductors to cause the values of current to flow therein to the control circuit of the instrument to be tested.

2,570,782
ARROW
Robert B. Evatt, Darrington, Wash.
Application December 20, 1946, Serial No. 717,562
4 Claims. (Cl. 273—106.5)



1. An arrow including a head comprising a flat plate having a single point and an axial slot extending along a major portion of the length thereof, said slot having a closed end adjacent said point, a hollow shaft communicating with that end of said slot remote from the point of the head, and means securing said shaft to said head.

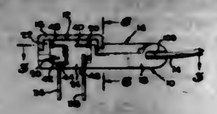
2,570,783
SWITCH AND OPERATING MEANS THEREFOR
Vincent G. Farley, Montclair, N. J.
Application November 3, 1950, Serial No. 193,848
5 Claims. (Cl. 200—59)



1. In a switch of the type having at least one stationary contact and at least one movable con-

tact, the combination comprising a pivoted operator for operating said movable contact and formed with a cylindrical extension, a handle, a tubular member attached to said handle and telescopically embracing said cylindrical extension, said tubular member being formed exteriorly with a groove, and a spring detent extending into said groove and provided with detent surfaces, whereby said detent serves to detain the pivoted operator in different positions of adjustment and also serves to retain the handle against removal.

2,570,784
ADJUSTABLE ELECTRIC PLUG
Kenneth F. Ferguson, Anaheim, Calif.
Application July 23, 1948, Serial No. 40,391
2 Claims. (Cl. 173—324)



1. An adjustable electrical plug comprising a body member having a hollow cylindrical portion and a shank portion extending radially outwardly from said cylindrical portion, said shank portion having a pair of cavities extending longitudinally thereof and communicating with the hollow interior of said cylindrical portion, a rotor rotatable in said cylindrical portion, a pair of longitudinally spaced annular grooves in the periphery of said rotor, a pair of distributing discs fixed in said rotor with the periphery of one disc being exposed in each of said grooves, a pick up member positioned in each of said cavities and extending into brushing engagement with one of said discs, said pick up members being of U-shape in cross section and straddling the exposed peripheries of their respective discs, means for connecting an electrical conductor to the outer end of each of said pick up members, and a pair of prongs projecting from said rotor parallel to the axis thereof with one prong being connected to each of said discs.

2,570,785
SPRING ACTUATED MOTOR
Ernest Fields, New York, N. Y.
Application June 11, 1949, Serial No. 98,424
9 Claims. (Cl. 185—45)



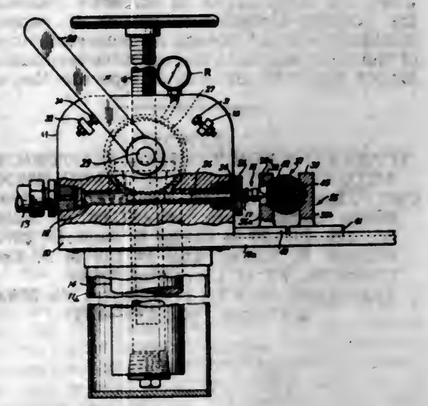
1. A spring suspension arrangement for a spring actuated motor having a winding stem for winding the motor spring, said suspension arrangement comprising a substantially circular reel adapted to be fixedly secured upon said winding stem, said reel having a peripheral recess extending in a substantially radial direction and narrowed toward the reel periphery and a spiral spring supported on the periphery of said reel and adapted to be secured with its inner end to said stem, said spring having near its inner end an opening engaging the reel at one of the corners thereof defining the narrowed exit of the recess, said inner spring end extending into said recess.

2,570,786
METHOD OF MAKING DYNAMOELECTRIC MACHINE WINDINGS
Edward J. Flynn and Charles E. Kilbourne, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application May 29, 1948, Serial No. 30,146
5 Claims. (Cl. 154—80)



1. The method of making a dynamoelectric machine coil comprising extruding a resinous insulating material on a metallic conductor to a greater depth on two adjacent sides thereof than on the two respectively opposite adjacent sides, grouping together a plurality of such insulated strands, winding the group into a spiral coil, and drawing the spiral coil out into its final form.

2,570,787
VALVULAR DEVICE FOR FLUID-INJECTING GOLF BALL CENTERS
John R. Gammeter, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 10, 1947, Serial No. 747,275
11 Claims. (Cl. 154—18)

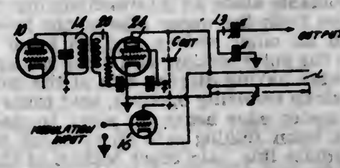


9. Apparatus for injecting golf balls or the like fluid-filled articles comprising a housing having a chamber containing injection fluid supply adapted to be under pressure, an elongated needle-like stem having a tip end and having an elongated central opening therethrough communicating exteriorly of the stem at said tip end of the same for passage of said injection fluid, means for attaching said stem to said housing to project therefrom with the other end of the stem opening communicating with said chamber, a closure core reciprocable into and out of said opening from and toward positions in which the opening is opened and closed therethrough, respectively, and means for reciprocating said core, means being included for relatively movably supporting said article in association with said stem, said supporting means being relatively movable to project said stem into said article for injecting fluid therein.

2,570,788
SYNTHETIC LUBRICANTS
John J. Giammaria, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application February 17, 1948, Serial No. 9,002
5 Claims. (Cl. 260—485)

2. A synthetic lubricating oil produced by reacting (1) one mol of a diester derived from a polybasic alpha, beta-unsaturated acid and a straight-chain primary aliphatic alcohol containing not less than 4 nor more than 10 carbon atoms, with (2) from about 0.05 mol to 1.0 mol of a vinyl compound containing not more than 10 carbon atoms and selected from the group consisting of vinyl esters of saturated fatty acids, alpha olefins, styrene and alpha methyl styrene, for a period of from about 1 to about 10 hours, at a temperature of from about 50° C. to about 150° C. and in the presence of an organic peroxide catalyst.

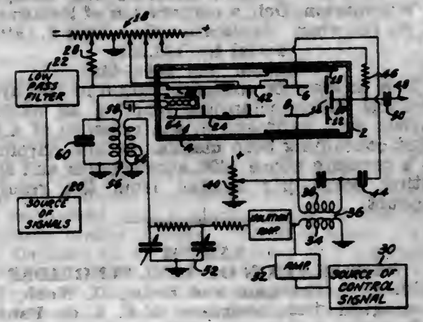
2,570,789
MODULATOR
Thomas M. Gluyas, Jr., Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1947, Serial No. 757,637
4 Claims. (Cl. 332—60)



1. In a modulation system, an electron discharge device having input and output electrodes connected in an amplifier circuit including a radio frequency circuit, tuned to the frequency of alternating currents of carrier frequency to be modulated, coupled between the output electrodes, a modulator tube having output electrodes including an anode and a cathode and having input electrodes excited by modulation energy, and a connection coupling the anode of the modulator tube to a point of low radio frequency potential on said tuned circuit.

2,570,790
SIGNAL SAMPLING
George W. Gray, Lambertville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1949, Serial No. 136,387
7 Claims. (Cl. 315—9)

1. An apparatus for multiplexing a plurality of signals in time division comprising in combination a source of a plurality of independent signals, a plurality of cathode ray tubes each having a target, an electron gun for directing a beam of electrons toward said target, a control electrode for controlling the intensity of the beam and means for sweeping said beam of electrons, connections for applying one of said independent signals to one of said control electrodes, a source of sampling voltage waves, a phase splitter adapted to provide three equally spaced voltage waves from said sampling voltage wave, connections for applying each of said three spaced waves to a different one of said sweeping means, and means associated with each cathode ray tube adapted to permit electrons to reach said target only during a fractional portion of each cycle of the sampling voltage wave.



2. An apparatus for sampling video waves comprising in combination a cathode ray tube having a target, an electron gun including a cathode adapted to project a beam of electrons toward said target, an electrode for controlling the intensity of said beam, means for deflecting said beam and an apertured plate positioned between said electron gun and said target, a source of signals, the output of said source being applied to said control electrode, a source of voltage waves of sampling frequency, connections for applying said waves to said deflection means, a phase changer adapted to change the phase of said sampling frequency waves, the output of said phase changer being applied to said cathode.

2,570,791
WELDED FRAME STRUCTURE
John J. Grebe, Midland, and Walkley B. Ewing, Grand Rapids, Mich., assignors to Ewing Development Company, Grand Rapids, Mich., a corporation of Michigan
Application June 4, 1948, Serial No. 31,068
4 Claims. (Cl. 160—391)



1. In a structural member for engaging a panel, the combination comprising: a web having a pair of substantially parallel edges; a pair of substantially parallel flanges respectively integral with each edge of said web, at least one of said flanges having an inwardly curved portion intermediate its free edge and said web, said curved portion contacting and being secured to the opposed surface of said other flange by welding, thereby forming a tubular structure; and gripping means associated with the opposed surfaces of each of said flanges adjacent to their respective free edges, for engaging said panel, said panel positioned between said flanges and when said flanges are secured together the panel contacting portions of said gripping means bearing against said panel and being distorted thereby, whereby to impose a pressure by said gripping means onto said panel.

2,570,792
PROCESS FOR PREPARING POLYHYDRIC ALCOHOLS AND RELATED PRODUCTS
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.
No Drawing. Application December 8, 1949. Serial No. 131,938
9 Claims. (Cl. 260—449)

1. A process for the preparation of polyhydric alcohols which comprises reacting an oxide of carbon with hydrogen in the presence of a catalyst containing both manganese and chromium at a pressure above 1000 atmospheres and separating polyhydric alcohol from the resulting product.

2,570,793
PREPARATION OF ACYL FLUORIDES
William F. Gresham and Irving D. Webb, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 11, 1948, Serial No. 14,283
8 Claims. (Cl. 260—544)

1. A process for the synthesis of acyl fluorides which comprises reacting a secondary organic halide, containing a secondary halogen of the class consisting of chlorine and bromine, with carbon monoxide and hydrogen fluoride, in the presence of a boron trifluoride catalyst at a temperature within the range of −5° to +40° C. under a pressure in excess of 10 atmospheres.

2,570,794
PURIFICATION OF ORGANIC NITRILES
William E. Grigsby and Edward S. Bloom, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1950, Serial No. 175,026
5 Claims. (Cl. 260—465.8)

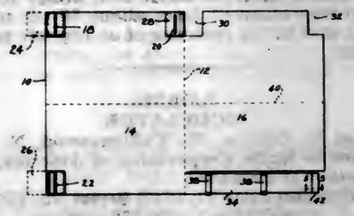
1. In a process for separating from dinitriles of the class consisting of 1,4-dicyanobutenes and 1,4-dicyanobutane organic chlorine-containing impurities which act as hydrogenation catalyst poisons during subsequent hydrogenation of the said nitriles, the steps which comprise heating the said nitrile containing the said chlorine-containing impurities with an amine of the class consisting of trimethylamine and triethylamine, at a temperature of 90° to 180° C., in the liquid phase, and thereafter extracting with water the salt produced by reaction between the said amine and chlorine-containing impurity, and recovering the nitrile from the resulting mixture, said nitrile being thereby freed of compounds which interfere with subsequent hydrogenation thereof.

2,570,795
SHANK STIFFENER FOR SHOES
Charles H. Grimshaw, Kalamazoo, Mich.
Application March 1, 1950, Serial No. 147,038
4 Claims. (Cl. 36—76)



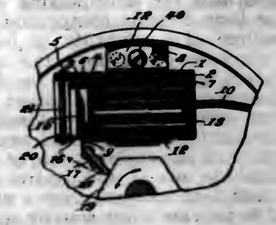
1. In a shank stiffener securable to the sole of a shoe adjacent to the heel thereof, the combination: a base plate; a saddle member secured to said base plate near one end thereof, said member having a raised portion with recess in one edge thereof; a flat spring disposed between said base plate and the raised portion of said member, said spring being secured to said base plate; an adjustment plate disposed between said spring and the raised portion of said saddle; and a screw through said adjustment plate, near one end thereof and disposed within said recess; whereby movement of said screw effects a variation in the pressure between the spring and the end of the adjustment plate remote from the screw.

2,570,796
DIAPER
Rose Gross, New York, N. Y.
Application December 6, 1950, Serial No. 199,425
4 Claims. (Cl. 128—284)



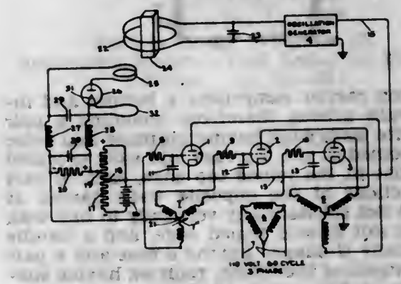
1. A diaper comprising a sheet of material, said sheet foldable along an intermediate line between two sides from the upper edge to the lower edge, to form an outer section and an inner section against the outer section, said outer section at the upper edge having at each side of the outer section a strap receiving opening, said inner section at the upper edge being cut away to clear each opening upon folding said sheet along the said intermediate line, said inner section at the lower edge being cut from the side thereof to said intermediate line to form a strap, said outer section at the lower edge and the side of the outer section opposite the strap having a strap receiving opening, the said strap having spaced loops thereon, the end of said strap being wider than the loops, said sheet upon forming said outer section and said inner section foldable between the upper and the lower edges to form a diaper having a back and a front with the openings along one side being aligned and the opening adjacent the intermediate line being aligned with the strap, said strap inserted in said last mentioned opening through the openings in said one side and through a loop to fasten the diaper in closed position.

2,570,797
IGNITION CONTROL
Dewey Sampson Guillermain, Conway, Pa.
Application October 16, 1946, Serial No. 703,573
8 Claims. (Cl. 123—146.5)



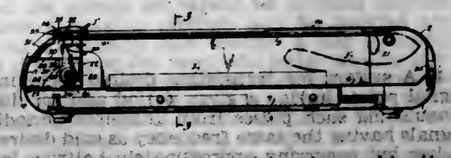
1. In an attachment for interrupters, a casing, a grounded bracket supporting the casing and grounding the casing, a condenser positioned in the casing and having one end grounded by engaging the casing, a disc engaging the other end of the condenser and having a contact point thereon, a wire connected to the disc and passing through the casing and condenser, a second disc grounded by engaging the casing, a spring arm projecting from the second disc and having a contact point engageable with the contact point on the first disc, a fiber strip on the arm adapted to engage a cam, and resilient means in the casing bearing against the second disc.

2,570,798
REGULATION OF HIGH-FREQUENCY OSCILLATORS
Oliver F. Gullick, Rugby, England, assignor to General Electric Company, a corporation of New York
Application May 17, 1949, Serial No. 93,767
In Great Britain May 19, 1948
4 Claims. (Cl. 250—36)



1. A regulatory system for limiting the oscillatory currents in the tuned output circuit of an oscillator, comprising a coupling loop located in the magnetic field produced by said oscillatory currents and in operative association with said output circuit, a diode rectifier having an anode and a filament whose electron emissivity varies in accordance with the current therethrough, said filament being connected to said loop for controlling said emissivity in accordance with said oscillatory currents, whereby said diode operates as an equivalent conductance whose magnitude varies as the amplitude of said oscillatory currents, a source of operating voltage for said oscillator and means in said source for reducing said voltage in accordance with the magnitude of said equivalent conductance.

2,570,799
FORWARDING MECHANISM FOR AUTOGRAPHIC REGISTERS
Louis F. Hageman, Lewiston, N. Y., and Charles J. Manuel, Durham, N. H., assignors to Moore Business Forms, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application July 13, 1946, Serial No. 683,510
14 Claims. (Cl. 282—18)



1. In an autographic register, in combination, a writing platen for record strips having a series of form aligning apertures therealong in longitudinal spaced relation, a casing having a strip exit opening positioned forwardly of said platen, a strip forwarding and aligning pin engageable in said aligning apertures, mounting means for mounting said pin adjacent to the forward end of said platen for forward and rearward oscillatory movements in a path extending forwardly and downwardly from the platen so as to forward the strips and to bend or deflect the forward end portions thereof downwardly adjacent to said exit opening and to release them upon reverse movements of the pin whereby the strips move from pin engagement by their own resiliency, said pin mounting means including an oscillatory frame plate carrying said pin in its said oscillatory forward and rearward movements and for projection and retraction, and a closure plate on said pin mounting means integral with said frame plate and disposed at an angle thereto and normally positioned beyond the forward ends of the strips and over said strip exit opening in closing relation therewith, said closure plate being moved away from its normal closing position by forward movement of said frame plate carrying said pin with the engaged end portion of the strip substantially to said exit opening.

2,570,800
CONNECTOR FOR DYNAMOELECTRIC MACHINES
Clarence L. Hamm, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application November 19, 1947, Serial No. 786,945
3 Claims. (Cl. 174—73)



1. A connector cable for use with electrical apparatus, said connector cable comprising a plurality of power wires, a grounding wire extending along said power wires, a covering of molded elastomer surrounding all of said wires intermediate the ends thereof, with said grounding wire extending past each end of said covering and looped back over the surface of said covering for a predetermined distance at each end thereof, two annular metallic end connectors arranged one at each end of said cable, said end connectors surrounding said covering and surrounding the associated looped-back ground wire portion, each of said end connectors having an externally threaded outer portion adapted to cooperate with a nut which may be screwed on said threaded portion to clamp said end connector as to a terminal box, each of the looped-back ends of said ground wire being electrically connected to the respective metallic end connector, and molded end coverings located one at each end of said cable to affix the respective metallic end connector securely to the molded covering around the wires.

2,570,801
JAW HOLDER FOR BLIND RIVETING GUNS
Jerry F. Hamlin, San Francisco, Calif.
Application October 22, 1948, Serial No. 55,871
3 Claims. (Cl. 218—19)

1. In a riveting gun, a body-supporting member, said body having aligned bores formed therethrough, a rivet magazine carrier slidably mounted in one of said bores, a jaw holder mount-

ed in the other of said bores, said jaw holder carrying pivoted jaws adapted to engage a rivet to be expanded, and means between said carrier



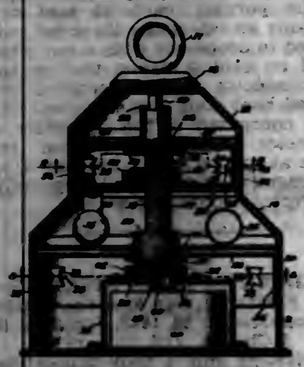
and said jaw holder coacting with the body supporting member for closing and opening said jaws when said carrier is moved away from and toward respectively said jaw holder.

2,570,802
RACK FOR DELIVERY AUTOMOBILES
Robert O. Hattieberg, Denver, Colo.
Application November 12, 1948, Serial No. 59,605
10 Claims. (Cl. 224—42.45)



1. In an automobile having a substantially rectangular compartment at the rear thereof formed by spaced side and end walls, the compartment having vertical sockets at the corners where a side wall joins an end wall, the combination with said compartment, of a pair of rack members, each rack member having a pair of vertical tubes secured in corresponding corner sockets spaced laterally of the longitudinal axis of the compartment, horizontal means securing each pair of tubes together above the sockets, and at least one clamp for each rack, the clamp having a leg telescoping in a tube and an arm extending over the horizontal means, for securing an article thereto, and means for securing the leg to a tube in various positions of vertical adjustment, whereby the distance between the horizontal means and arm of the clamp may be varied to clamp articles of different thickness.

2,570,803
CLOCK
Carl Hansen, Chicago, Ill.
Application September 17, 1947, Serial No. 774,570
9 Claims. (Cl. 58—50)



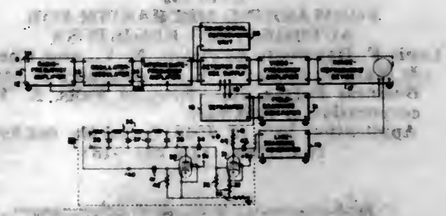
1. A clock comprising a case, a transparent vertical, cylindrical, rotatable element on the outer side of the case provided with plural series of corresponding time indications for a predetermined period, circumferentially spaced around the element, means in the case for illuminating said element, stationary light shielding means inside of said element provided with openings for corresponding numerals in each series, and motor operable mechanism for rotating the element proportionate to the elapsed time.

2,570,804
BOX CARRIER
Daryold M. Hazenfield, Decatur, Ill., assignor to Crown Cork Specialty Corporation, Decatur, Ill., a corporation of Illinois
Application December 14, 1949, Serial No. 132,846
6 Claims. (Cl. 229—52)



1. A box carrier comprising a bottom and integral walls arising therefrom including a pair of opposite walls each having an inner and outer section joined at the top edge and each provided with a slot in the joined top edge, each of said outer sections of the opposite walls having at least one slot substantially vertically in line with said first slot in said joined edge, and a handle substantially U-shaped having a base and a pair of legs extending therefrom, each leg having substantially at the end thereof an ear extending outwardly, the said legs extending through the first said slot in the joined top edge and being depressible between the inner and outer sections of each of said opposite walls a distance sufficient to place the base section of said U-shaped handle adjacent the joined top edge of said opposite walls, said handle also being capable of interlocking by means of said ears with any one of said second vertically in line slots of each of said outer and opposite walls.

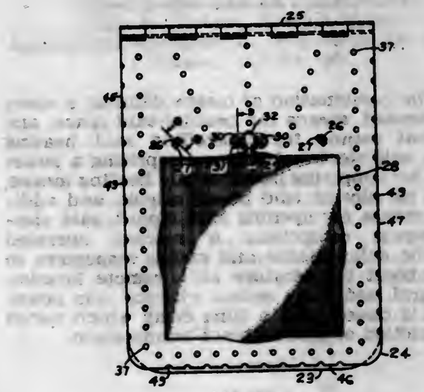
2,570,805
SIGNAL-TRANSLATING SYSTEM
Alan Haseltine, Maplewood, N. J., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application July 20, 1946, Serial No. 685,110
12 Claims. (Cl. 250—27)



1. A system for translating desired recurring signal pulses having a given period and for distinguishing such pulses from undesired periodic signals having the same frequency as said desired pulses but occurring approximately halfway between said desired pulses comprising: a signal-translating stage including a pair of vacuum tubes

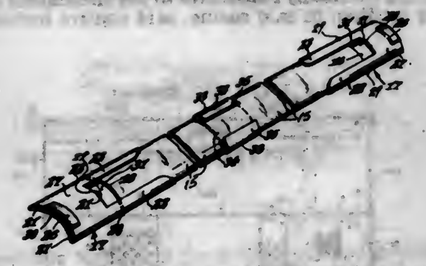
cross coupled so that a pulse of a given polarity applied thereto effects a complete cycle of conductance variations in opposite senses in said tubes to translate the applied pulse therethrough; a multiple-reflecting time-delay means included in said stage and so proportioned as to have a round-trip time-delay period corresponding substantially to one-half of said given period so that an applied pulse translated along said time-delay means produces a delayed image thereof, said delay means being coupled to said tubes to apply said image thereto to initiate other cycles of conductance variations in said tubes for regenerating image pulses obtained from said delay means and pulses of said given period applied to said system with said given polarity; an input circuit for said system; means for applying said recurring pulses to said input circuit with said given polarity; and an output circuit for supplying pulses translated through said system to a utilizing device.

2,570,806
DRAWING KIT
Earle G. Henry, Wilmette, Ill.
Application March 6, 1946, Serial No. 652,265
5 Claims. (Cl. 35—26)



1. In a device for drawing design elements symmetrically disposed about a central point, comprising a plate adapted to lie upon a sheet on which the drawing is to be done and containing a sight opening through which a portion of the sheet is exposed, means cooperating with the plate to hold the sheet securely in position beneath the opening, a stencil of a size and shape to fit in said opening in different angular positions about an axis at right angles thereto and to be held by the plate against bodily movement transversely of such axis, cooperating elements on the plate and on the stencil to mark relative angular positions of the latter corresponding to the angular spacings of the corners of a polygon, and the stencil containing an opening through which a drawing medium may be inserted and along a bounding edge whereof it may be guided for drawing on the sheet; the latter opening having an elongated bounding edge that extends at right angles to a radius from said axis which bisects said edge, and said edge being sufficiently long to permit a drawing medium, moved along the same, to draw in each angular position of the stencil a side of the polygon that has the same number of sides as the polygon that determines the angular positions of the stencil.

2,570,807
VENETIAN BLIND SLAT STRUCTURE
Irving J. Herman, New York, N. Y.
Application August 14, 1950, Serial No. 179,289
1 Claim. (Cl. 160—173)

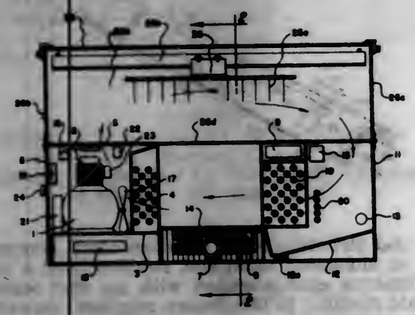


A slat structure for a Venetian blind, comprising an elongated main slat member, and a pair of fitments each engaged with an end portion of said member in telescoping relation therewith, each such fitment having at its outer end a plate-like portion and having extended from the inner side of said plate-like portion a pair of legs of U-shaped cross-section to provide parallel grooves along said legs, said grooves facing each other and having their bottoms spaced apart a distance equal to the width of the said slat member, an indent along the length of at least one of such grooves to limit the extent of telescopic overlap between said legs and the adjacent end portion of the slat member, said slat structure near each of its opposite ends having a lift-cord slot, each fitment being so shaped and on each fitment said indent being so located that when said fitments are fully engaged with the opposite end portions of said slat member each of said slots is partially bounded by an end of said slat member, each of said fitments being bent up from a single blank of sheet material, each of said blanks being substantially rectangular in outline, and in the case of each of said blanks said plate-like portion of the fitment being at one end of the blank, said legs of the fitment being extended along both opposite sides of the blank with each leg partially projected beyond said plate-like portion, and a tongue-like portion continuing from the end of said plate-like portion located between the projected ends of said legs, said tongue-like portion being bent to extend beneath said plate-like portion and thereby give said plate-like portion a two-ply thickness and to establish such bend line of said tongue-like member as the other side of the lift-cord slot partially bounded as aforesaid by an end of said slat member.

2,570,808
LOW-TEMPERATURE DRYING APPARATUS
William H. Hermes, III, Coronado, Calif.
Application December 12, 1947, Serial No. 791,350
3 Claims. (Cl. 34—48)

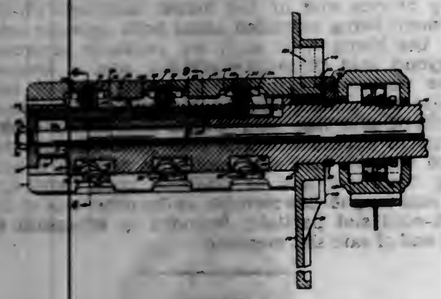
7. In a low temperature drying apparatus of the class described, the combination of a casing, a circulating fan in said casing, a condenser in said casing spaced from said fan, an evaporator in said casing spaced from said condenser, a compressor communicating with said condenser and said evaporator, duct means in said casing arranged to confine the flow of air therein from said evaporator, then through said condenser, and an auxiliary condenser in series with said first-mentioned con-

denser, positioned intermediate said compressor and said first-mentioned condenser and located outside said casing, a secondary cooling medium communicating with said auxiliary condenser, a control for said external cooling medium having means thermally responsive to the circulating drying medium in said casing, said control including



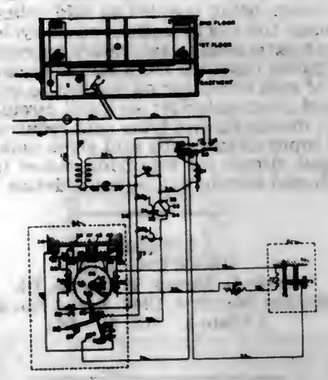
a thermostatic switch having means beyond the drying medium outlet of said first mentioned condenser, whereby rise in temperature internally of said casing operates said switch, which initiates operation of said external cooling medium for exchanging heat from said auxiliary condenser to said external cooling medium, thereby disposing of excess heat from said drying medium.

2,570,809
COLLAPSIBLE DRUM
Nathan L. Herman, Cleveland, Ohio, assignor to Pee Machine and Engineering Company, Inc., New Wilmington, Pa.
Application May 4, 1949, Serial No. 91,385
16 Claims. (Cl. 242—72)



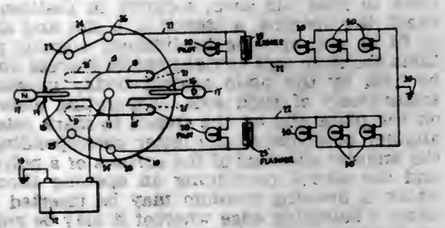
8. Coil handling apparatus comprising a support shaft having a bore, a slide rod received in said bore, a plurality of longitudinally split drum sections, cam means on said support shaft engaged with and supporting said drum sections individually for radial movement, and means connecting said slide rod to said cam means for rotating same to regulate the position of said drum sections, said cam means including a shaft, a crank arm extending from said cam shaft, and an arcuately surfaced support member on said crank arm eccentrically positioned on same.

2,570,810
HEATING SYSTEM CONTROLLED BY OUTSIDE TEMPERATURE
Richard L. Heoghkirk, Chicago, Ill., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application March 11, 1947, Serial No. 733,833
3 Claims. (Cl. 236—68)



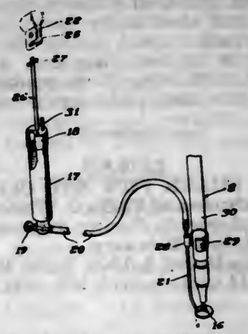
2. The combination of means defining a space to be heated, means for heating said space, and electrical means for controlling said heating means, said electrical means comprising a power circuit for supplying power to said heating means, means for closing said power circuit, and additional means for opening said circuit, said closing means comprising a ratchet operated aperiodic delay means and means responsive to the ambient temperature at a remote location to control said delay means whereby said power circuit is closed with a time delay which varies as a function of said ambient temperature.

2,570,811
DIRECTION SWITCH FOR VEHICLE LIGHTING CIRCUITS
Jesse R. Hollins, Brooklyn, N. Y.
Original application December 24, 1948, Serial No. 67,149. Divided and this application May 27, 1950, Serial No. 164,676
3 Claims. (Cl. 175—373)



3. A vehicle lighting control switch comprising, in combination, an insulated base plate, a switch arm rotatably mounted on said base and carrying a pair of diametrically aligned first contacts on opposite sides of its axis and a pair of circumferentially aligned second contacts in circumferentially spaced relation to, on either side of, and radially inward of one of said first contacts; a pair of first contact means, on said plate, said first contact means being circumferentially spaced a distance equal to the circumferential spacing of said second contacts and simultaneously engageable by said second contacts; a pair of circumferentially spaced second contact means, on said plate and radially outward of said first contact means, one of which is engageable by one of said first contacts when one of said second contacts is engaged with a first contact means and the other second contact is disengaged from the other first contact means; a third pair of contact means, diametrically aligned on said plate radially outward of said first contact means and simultaneously engageable by said first contacts when both second contacts are disengaged from said first contact means; conductive means connecting one and the other of said second contact means respectively with one and the other of said third contact means; and a pair of circuit interrupters conductively connected respectively with one and the other of said third contact means.

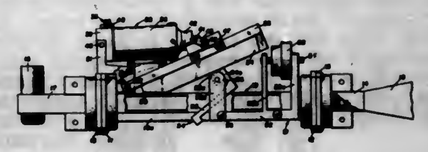
2,570,812
DENTAL ENGINE ATTACHMENT
John H. Jackson, Newton, Mass.
Application September 15, 1948, Serial No. 49,418
2 Claims. (Cl. 32—28)



1. Apparatus for supplying water to a grinding wheel attached to a handpiece operatively connected to a dental engine having a bracket, said apparatus comprising a container including an upwardly disposed member an upwardly disposed stem and a transverse member carried by said stem, a U-shaped clip to be attached to the bracket and having its ends spaced to receive said stem between them and formed with transversely alined and downwardly inclined pockets to receive said transverse member, a discharge tip including a sleeve to be attached to said handpiece, and a conduit effecting communication between said conduit and said tip, said sleeve being attachable to said upwardly disposed member when detached from said hand piece.

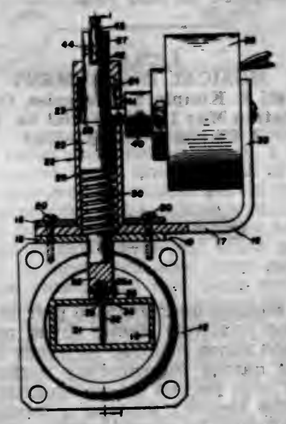
2,570,813
WAVE GUIDE ATTENUATOR
Wilbur A. Joerndt, Silver Spring, Md., and Roland W. Larsen, Marshfield, Wis., assignors to the United States of America as represented by the Secretary of the Navy
Application October 8, 1948, Serial No. 53,542
3 Claims. (Cl. 178—44)

1. In an attenuator for use with an ultra high frequency radio receiver having a crystal detector, a receiving antenna, a wave guide connecting said antenna to said detector to convey the received signals to said crystal, said wave guide having a slot passing through its wall and extending substantially longitudinally of the guide, a sheet of electrically conductive material, means



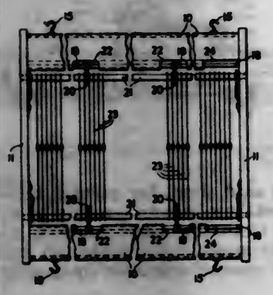
supporting said sheet for pivotal motion through the slot, resilient means tending to withdraw the said sheet from the wave guide, a latch initially holding the sheet fully projected into the wave guide, and means actuable by inertia to release said latch.

2,570,814
WAVE GUIDE ATTENUATOR
Wilbur A. Joerndt, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application October 8, 1948, Serial No. 53,543
4 Claims. (Cl. 250—20)



1. In a radar signal attenuator for a guided missile having a radar receiver with an antenna connected thereto, in combination, a wave guide section having a pair of connecting end flanges secured thereon, for interconnecting said wave guide section with said antenna, a piston housing, means for mounting said housing on said end flanges, a piston disposed within said housing, an attenuator element secured to one end of said piston and movable into and out of the wave guide section, means for urging said element into said wave guide section to attenuate a received signal while the missile is in close proximity to a radar transmitter, and means for instantaneously removing said element from the wave guide section immediately after launching said missile.

2,570,815
LOOM HARNESS
Frank H. Kaufmann, Huntingdon Valley, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 21, 1950, Serial No. 169,493
9 Claims. (Cl. 139—92)



1. A loom harness comprising top and bottom rails connected at their ends by side struts, each of said rails having a hollow metallic rib portion along its inner edge extending inwardly toward the center of the frame, a metallic rod positioned in the interior of said rib, portions of said rib being recessed at certain locations to expose the interiorly mounted rod for portions of its length, slide hooks mounted on the exposed portions of said rods, heddle rods supported intermediate their ends by said slide hooks, and heddles mounted on said rods.

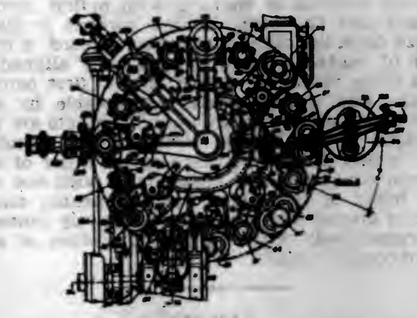
2,570,816
MUSICAL INSTRUMENT
Virgil R. Kimple, Los Angeles, Calif.
Application May 1, 1946, Serial No. 666,367
5 Claims. (Cl. 84—330)



1. In a musical instrument, a pair of elongated flexible and relatively elastic strips, means connecting said strips together adjacent their ends, said strips having intermediate portions bowed outwardly with respect to one another, an elongated elastic element forming a membrane disposed longitudinally of said strips and positioned therebetween, said membrane being clamped adjacent its ends to the end portions of the strips, and said strips being thicker adjacent their intermediate portions than adjacent their ends.

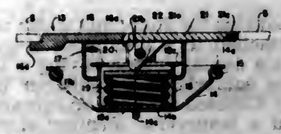
2,570,817
GLASSWARE FORMING MACHINE
Clarence C. Kinker, Defiance, Ohio, assignor to O'Neill Patents Limited, a corporation of Canada
Application May 11, 1946, Serial No. 669,164
6 Claims. (Cl. 49—9)

1. In a glassware forming machine, a rotatably mounted mold carrier, multiple pairs of molds mounted on such carrier, each such pair comprising a blank or parison mold fixed with relation to such mold carrier and a blow or finishing mold, a partible neck ring or neck mold associated with each such pair, a parison forming device, a parison transfer device on such rotatable carrier for each such pair of molds, comprising neck ring support means mounted for vertical reciprocation and partial rotation, cam means including a pivoted cam section for raising such support means, cam means for partially rotating such support means while in raised position and cam means for permitting such neck ring support means to lower



such neck ring into contact with the top of such blow mold; the construction and arrangement being such that when such support means is not being influenced by such cam means, such neck ring will rest on top of either a blank mold or a blow mold, and when under the influence of such cam means such support means will raise a parison carried by its neck ring until it clears such blank mold, will swing it to position above its associated blow mold and lower it into such blow mold.

2,570,818
TANK FILLER PIPE AND CLOSURE
John F. Kirkbride and Philip C. Whitener, Seattle, Wash., assignors to Boeing Airplane Company, a corporation of Delaware
Application March 5, 1946, Serial No. 652,114
14 Claims. (Cl. 220—40)



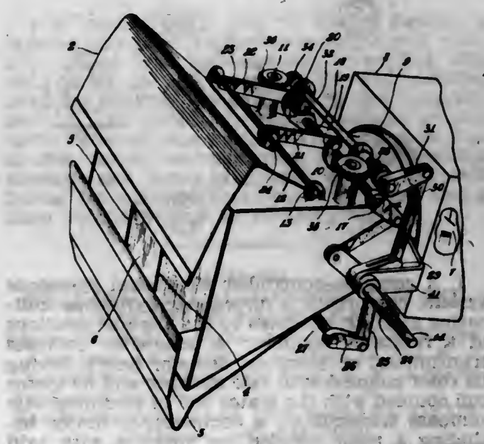
2. In a bayonet type filler cap and tank closure device, a valve portion adapted for engagement with a filler pipe opening, a cup-shaped element having inwardly and outwardly extending flange portions at its rim attached by a base portion to said valve element, a compression spring disposed within said cup-shaped element, a disc interposed between said compression spring and said inwardly extending flange portion of said cup-shaped element, a cover plate carrying bayonet-slot-engaging lugs, a collar element attached to the underside of said cover plate and having inwardly extending flange portions in a telescoping and surrounding relationship with respect to said cup-shaped element, a pivoted handle rotatively carried by said cover plate at a recessed portion thereof, said handle having a cam-shaped extension engageable, in a flush position of the handle with respect to said cover plate, with said spring-opposed disc for the increased reaction of said valve portion against said filler pipe opening.

2,570,819
BRASSIÈRE CONSTRUCTION
Irving Kive, Brooklyn, N. Y.
Application November 12, 1949, Serial No. 126,764
4 Claims. (Cl. 2—42)



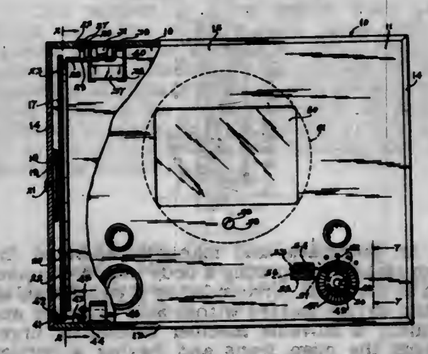
2. A strapless brassière comprising a bust encircling body having at the front thereof adjacent breast receiving cups, each of said cups comprising an upper panel having an inverted V lower edge, a lower panel with a V upper edge and a center panel of double thickness having its upper and lower edges formed to complement the adjacent edges of the upper and lower panels, a vertical tape strip secured to the inner face of each of said cups medial thereof forming a pocket, and a preformed flexible bone in each of said pockets, said bones each having a vertical portion at its lower end, an outwardly and upwardly curved portion continuing from the top end of said vertical portion and extending throughout the greater part of the length of the bone, and a sharply inwardly and upwardly curved portion continuing from the upper end of said outwardly curved portion with the junction of said outwardly and inwardly curved portions being located at about the center of each of said cups.

2,570,820
X-RAY CONE ASSEMBLY
Max Knab, Brooklyn, N. Y., assignor to Philips Laboratories, Inc., Irvington-on-Hudson, N. Y.
Application May 29, 1950, Serial No. 164,907
8 Claims. (Cl. 250—105)



1. An X-ray cone assembly, comprising a housing member open at one end thereof defining a diaphragm opening for the passage of an X-ray beam of predetermined cross-sectional area therethrough, a diaphragm constituted by two pairs of shutters separably actuable for determining the cross-sectional area of the diaphragm opening, one pair of said shutters being rotatably mounted on the exterior of said housing to adjust one dimension of the said cross-sectional area of said diaphragm opening, the other pair of said shutters being rotatably mounted internally in said housing to adjust the other dimension of the said cross-sectional area of said diaphragm opening, said second pair of shutters being arranged to constitute an X-ray beam limiting cone whose largest diameter corresponds to the diaphragm opening formed by said second pair of shutters, and means operable to selectively rotate said shutters to vary the cross-sectional area of said diaphragm opening.

2,570,821
COIN-CONTROLLED TELEVISION
Irving Kornberg and Arthur Bloom, Brooklyn, N. Y.
Application February 24, 1948, Serial No. 10,434
8 Claims. (Cl. 194—6)



1. A coin-operated television set comprising a cabinet of rectangular configuration, a large vertical gear journalled in one side wall of said cabinet, an electric motor supported on the bottom wall of said cabinet and carrying a small gear, an idler shaft mounted on said cabinet and having a large gear in mesh with said small gear and a small gear in mesh with said large gear for effecting slow rotation of said large vertical gear by said motor, a cam wheel carried by said vertical gear concentrically therewith, said cam wheel having a single thin cam having a lateral cam edge, a vertical clevis rotatably mounted in and depending from the top wall of said cabinet in line with the vertical center of said vertical gear, a lever rigid with said clevis for rotation therewith, one end of said lever having a vertical edge for coaction with said cam edge, said edges slightly overlapping, a coin funnel depending from said top wall in line with said clevis, said funnel having one side wall cut-out to receive the other end of said lever by said rotation thereof, a spring normally urging said lever other end into said cut-out, a contact opposite said lever other end adjacent said funnel and spaced therefrom a distance less than the diameter of a coin whereby a coin dropped in said funnel will bridge said lever other end and said contact, and a circuit connecting said lever, contact, motor, and a source of power, whereby said coin, on bridging said lever and contact, will close the circuit to energize said motor to rotate said cam wheel until said cam wheel rotates 360 degrees bringing said edges into contact whereupon said lever will be swung laterally out of said cut-out to permit dropping of said coin.

2,570,822
ANION EXCHANGE MATERIALS AND THEIR PREPARATION
Theodore R. E. Kressman, Twickenham, England, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1948, Serial No. 43,564. In Great Britain August 14, 1947
10 Claims. (Cl. 260—65)

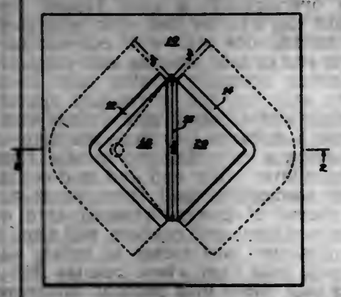
1. An anion exchange material which comprises a water insoluble resin formed by the heat reaction of a polyalkylene polyamine with formaldehyde, an alkylene polyhalide and a compound selected from the group consisting of alpha:beta unsaturated aldehydes and alpha:beta unsaturated ketones.

2,570,823
AUTOMATIC AND MANUALLY OPERATED FIRE ALARM SIGNAL STATION
Morris Levy, Philadelphia, Pa.
Application December 12, 1950, Serial No. 200,373
10 Claims. (Cl. 200—142)



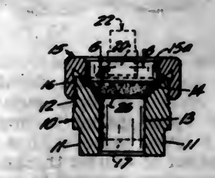
1. An automatic and manually operated fire alarm station comprising a body with a chamber open at the front surrounded by a panel seat, an electric switch located within said chamber and including a movable member constantly urged towards the open front and having a portion projecting beyond the seat when the switch is closed, a fragile panel to rest on said seat and engage the projecting portion of the movable member to depress the latter for opening the switch, and means engaging said panel and connected to said body and including fusible means to be melted for releasing the fragile panel which is also capable of being broken, either the releasing or breaking of the panel liberating the movable member of the switch.

2,570,824
WIDE BAND ANTENNA
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 4, 1945, Serial No. 603,211
25 Claims. (Cl. 250—33)



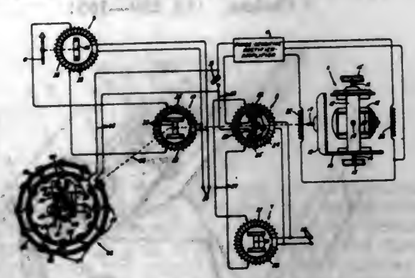
17. An antenna including a conductive sheet having at least one elongated slot therein, a resonant chamber arranged behind said slot in said sheet, a triangular plate within said chamber, said plate having its base connected to an edge of said slot and a transmission line having a conductor connected to the apex of said triangle.

2,570,825
VALVE RECONDITIONING CHUCK
Francis G. Livingston and Oren B. Harmes, Algona, Iowa, assignors to Livingston Tool Co., Algona, Iowa, a partnership composed of Charles L. Livingston and Francis G. Livingston
Application March 27, 1950, Serial No. 153,040
4 Claims. (Cl. 51—185)



1. A valve reconditioning tool comprising a body having an annular recess formed therein of dimensions to snugly receive the lower portion of the valve to be reconditioned in order to provide centering and a bearing for said valve, said body having a frusto-conical supporting surface annularly arranged around said recess and adjacent the outer end thereof for smoothly receiving an abrasive sheet thereon, and clamping means associated with said body for engaging the upper end of said abrasive sheet to smoothly clamp said sheet against said supporting surface.

2,570,826
ERROR COMPENSATOR
John E. Lundberg, Lynn, and George A. Wallace, Malden, Mass., assignors to General Electric Company, a corporation of New York
Application November 15, 1949, Serial No. 127,424
16 Claims. (Cl. 33—222)



1. A compass-controlled directional gyroscope system, comprising a directional gyroscope indicating azimuth headings by the angular positions of a rotatable member; a magnetic compass transmitter; an electrical detector Selsyn having its rotor coupled with said member and its stator coil coupled with the stator coil of said magnetic compass transmitter; a compensator device including a rotor coupled for rotation with said member, an alternating flux producing arrangement carried by said compensator rotor, a pair of annular windings positioned to intercept flux from said flux producing arrangement, and means for adjusting the proportions of said flux intercepted by each of said windings at predetermined angular positions; torque motor means for precessing said gyroscope; and means for actuating said torque motor means responsive to the combined output signals from said detector Selsyn and said windings.

2,570,827
COMPOSITION FOR WATERPROOFING MASONRY
Ralph Eugene Madison and Frederic Arthur Fairbrother, Jr., Detroit, Mich., assignors to Devoe & Raynolds Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 1, 1948, Serial No. 36,416
14 Claims. (Cl. 106—193)

1. A composition of matter consisting essentially of particles of finely-divided iron capable of undergoing oxidation, from about 1¾% to about 7¼%, by weight, of an ammonium derivative selected from the class consisting of ammonium chloride and ammonium alum, and from about 1% to about 3%, by weight, of a water-soluble cellulose ether selected from the class consisting of methyl cellulose, hydroxy ethyl cellulose and sodium carboxy methyl cellulose, said composition being in the form of a dry mixture and forming a waterproof coating when mixed with water and applied to a porous concrete surface.

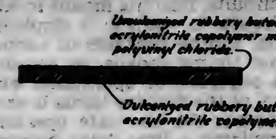
2,570,828
PROTECTIVE SPRAY FIRE NOZZLE
John N. Martin, Wendover, Utah
Application April 24, 1947, Serial No. 743,520
7 Claims. (Cl. 299—141)



1. A nozzle comprising a barrel having a tapered bore; a lining having a plurality of radially spaced and longitudinally extending ribs conforming to said tapered bore and defining auxiliary conduits terminating in exit openings through and arranged circumferentially of said barrel; a spray ring encircling said exit openings of said barrel; and fastening means extending through said spray ring, said barrel, and said lining, for holding spray ring, barrel, and lining fixed relatively one to another.

2,570,829
HEAT SEALABLE VULCANIZED FILM AND METHOD OF MAKING SAME
Edwin M. Maxey, Akron, and Carroll P. Krupp, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 19, 1950, Serial No. 139,517
15 Claims. (Cl. 154—139)

1. A unitary unsupported heat-sealable film comprising a rubbery polymer of an open chain conjugated diolefin with an alpha-methylene nitrile, said polymer being vulcanized in one stratum of said film and being unvulcanized in a stratum at least at one face of said film, said unvulcanized stratum comprising, in homogeneous admixture with said rubbery polymer, a polymer of a monomeric material comprising

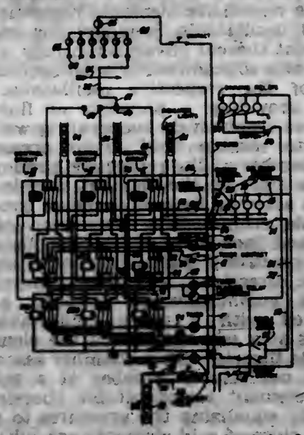


predominantly a chloroethylene having from one to two chlorine atoms on one only of the carbon atoms.

2,570,830
METHOD OF SIZING TEXTILE WARP YARNS
Justin J. McCarthy, Arlington, and William J. Harrison, Reading, Mass., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 2, 1945, Serial No. 608,616
3 Claims. (Cl. 117—139.5)

3. The method of sizing textile warp yarns which comprises treating said yarns with an aqueous starch size solution to which there has been added a stable colloidal solution of silica consisting of silica and water, said silica solution being added to the starch solution in an amount sufficient to provide a silica content varying from 0.1 to 1% of the total sizing solution, and then drying the treated yarn.

2,570,831
ELECTRIC CONTROL SYSTEM
John J. Meadows, New York, N. Y.
Application September 12, 1947, Serial No. 773,668
11 Claims. (Cl. 177—352)



11. In an airport having an electrical control system for selectively illuminating separate runways or air-strips in the airport, said system having a plurality of high voltage lighting circuits of such capacity as may require dimming of an already lighted runway before the operating circuit is energized, the improvement comprising wind actuatable responsive means, switch operable means in connection with said responsive means, a plurality of circuits in connection with said operable means, each of said circuits being provided with a main relay for controlling the illumination of the lights on a runway in said airport, a selector relay for initiating the flashing and timing of the circuit to control response to

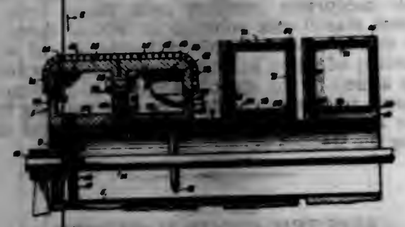
wind actuated means and an auxiliary relay for controlling the intensity of illuminating the runway light controlled by said circuit, timing means for each of the circuits, flashing means in connection with the circuits to warn of a displacement in wind direction, timing contacts in connection with each of said timing means, so coordinated as to produce a sequence of operations whereby automatic control of the runway lights is provided in a logical sequence for the safe operation of said runways providing a time delay before activation of a change of illumination resulting from a shift in wind, and means in connection with said circuits to warn of the impending change.

2,570,232

OSCILLATING FLUID PRESSURE MACHINE

Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia

Application June 9, 1948, Serial No. 31,988
In France February 16, 1943
26 Claims. (Cl. 230—159)



1. A fluid pressure machine comprising a plurality of oscillatable members supported for oscillation thereof upon a common axis, fluid pressure responsive elements respectively carried by said oscillatable members for reciprocating movement thereof circumferentially with respect to said axis concomitantly with oscillating movement of the respective oscillatable members, means providing a plurality of fluid pressure chambers respectively cooperating with said elements to confine fluid under pressure within each chamber at the respective circumferentially opposite sides of the element therein to act on or to be acted on by said elements concomitantly with said reciprocating movement of said elements and movement of said oscillatable members respectively supporting said elements in opposite directions, and means providing fluid pressure communication between a chamber associated with a given oscillatable member which is at a selected side of the element reciprocatable therein with a chamber associated with another oscillatable member at a selected side of the element reciprocatable therein for substantially equalizing the pressures to which said selected sides of said elements are subjected, said selected sides of said elements being in opposed relation to each other in the direction circumferentially about said axis of oscillation.

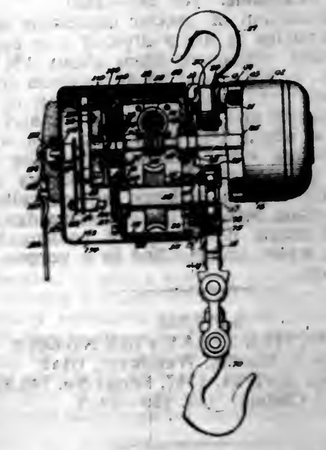
2,570,533

ELECTRIC CHAIN HOIST

Irving E. Metcalf and George E. Beck, Chicago, Ill., assignors to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application March 31, 1947, Serial No. 738,430
11 Claims. (Cl. 254—168)

1. An electric chain hoist comprising a frame provided with upstanding means for attaching it to an overhead support and consisting of a vertically extending wall, a large sized upper arcuate side wall connected to one side of the vertically extending wall and arranged so that the ends thereof terminate but a comparatively small distance apart and are generally at the bottom, and a small sized lower arcuate side wall of less width than the upper arcuate side wall, connected to said one side of the vertically extending wall, disposed between the ends of the upper arcuate side wall and having its ends facing generally downwards, a housing connected to the other side of the vertically extending wall of the frame, a horizontal shaft extending through said vertically extending wall and having one end thereof disposed concentrically



within the lower arcuate side wall and provided with a sprocket and its other end disposed within the housing, a chain trained around the sprocket, held on the sprocket by the aforesaid lower arcuate side wall and provided at one end thereof with load carrying means, an electric motor disposed adjacent said one side of the vertically extending wall and embodying a substantially cylindrical casing with one end thereof connected directly to the outer side margin of said upper arcuate side wall, and in addition a horizontal armature shaft having one end thereof extending through said vertically extending wall and into said housing, and gearing within the housing and between the two shafts for driving the sprocket from the motor.

2,570,834

WHEELED ANIMAL FIGURE TOY

Maurice Meth, Bronx, N. Y.

Application March 20, 1950, Serial No. 150,677
6 Claims. (Cl. 280—47)



1. A toy on which a child can ride comprising an animal figure, a frame on which said figure is

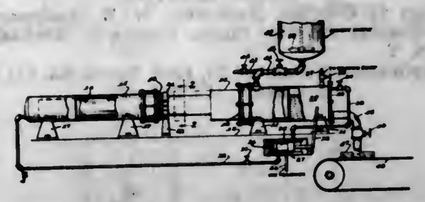
secured, said frame being reciprocable up and down at its rear end to reciprocate the rear portion of the figure up and down and comprising a pair of front to rear members, a cross frame member connecting the rear ends of said front to rear members, a main frame on which the first mentioned frame is mounted at its front end, an auxiliary steering frame pivotally secured to said main frame at the forward end of the latter, a rear axle journalled in said main frame, a front axle journalled in said auxiliary frame, wheels secured on the ends of said axles, steering means including a steering column secured to said auxiliary frame and projecting through the said figure, and a handle bar secured on the upper end of the column, and means actuated by the rotation of the rear wheels to reciprocate the rear end of the figure supporting frame up and down.

2,570,835

DEAERATING AND DISPENSING SLURRY

Thomas F. Mooney, New Lexington, Ohio, and David H. Innes, Matawan, N. J., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application April 28, 1949, Serial No. 90,128
4 Claims. (Cl. 222—389)



1. Apparatus for dispensing slurry comprising a cylinder, a plunger mounted to reciprocate into and out of said cylinder, means for locking said plunger in a retracted position, an inlet pipe opening into said cylinder, means for flowing slurry through said pipe into the cylinder, a discharge pipe through which the slurry is discharged under pressure, a piston motor for applying pressure to the plunger and thereby discharging the slurry, said piston motor including a cylinder and a piston connected in tandem with said plunger, a control valve, an air pressure supply pipe connected to said valve, pressure pipe lines extending from said valve to the outer ends of the cylinders respectively, said valve including a valve piston movable into positions to connect said pressure pipe lines alternatively to said pressure supply pipe and thereby alternatively apply air under pressure to the piston motor for discharging the slurry and to the plunger for returning said plunger to its retracted position.

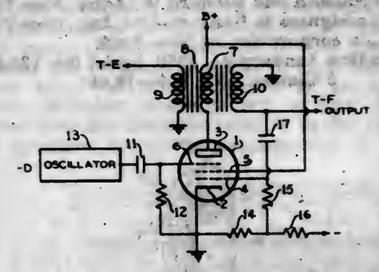
2,570,836

COINCIDENCE BLOCKING TUBE OSCILLATOR

James H. Mulligan, Jr., East Orange, and Arthur J. Talamini, Jr., Caldwell Township, Essex County, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application October 18, 1947, Serial No. 780,641
7 Claims. (Cl. 250—27)

5. A blocking oscillator including a tube having a plurality of electrodes, a source of first signal voltage of a predetermined frequency, said signal voltage having a sawtooth wave form of negative polarity, said source of first signal voltage being connected to one of said electrodes to cause said oscillator to remain quiescent, a source of second signal voltage having a frequency n times the frequency of said first signal voltage,



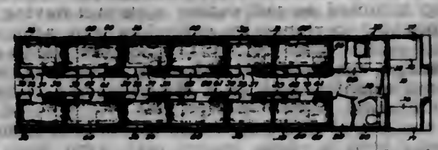
said second signal voltage comprising a series of regularly occurring pulses, said source of second signal voltage being connected to another of said electrodes to co-act with said first named voltage to cause said blocking oscillator to fire at $1/n$ times the frequency of said second signal voltage.

2,570,837

RAILWAY SLEEPING CAR

Frank L. Murphy and James E. Candlin, Jr., Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

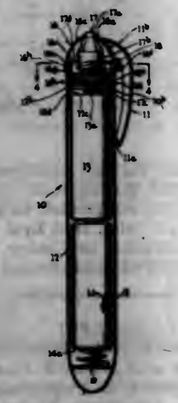
Application June 18, 1947, Serial No. 755,300
15 Claims. (Cl. 105—315)



1. In a railway sleeping car having side walls, spaced passageway partitions defining a central longitudinal passageway, a plurality of rooms at each side of the passageway adapted severally for individual occupancy and disposed alternately at upper and lower levels, separating partitions extending between said side walls and the respective passageway partitions defining pairs of rooms each consisting of adjoining upper and lower rooms, dividing partitions disposed respectively between the rooms of each pair, a pair of endwise foldable bed panels each of less than full bed length disposed respectively substantially vertically within opposite faces of each dividing partition and pivotally mounted for movement in opposite directions to horizontal positions in the respective upper and lower rooms extending substantially from the opposite faces of said dividing partition to the respective separating partitions, bedding supported on said panels and extending into the dividing partition from opposite sides thereof in end overlapping relationship to provide full length beds in the respective rooms, a luggage compartment for the lower room disposed in the upper portion of the dividing partition, a luggage compartment for the upper room disposed in the lower portion of the dividing partition, a seat in each of the rooms and all facing in the same direction, and a window in each room disposed in the side wall alongside of said seat, all of said windows being dis-

posed at substantially the same level throughout the length of said car and upon opposite sides thereof.

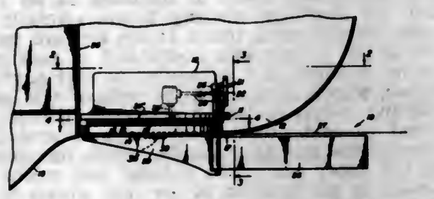
2,570,838
PEN-SHAPED POCKET FLASHLIGHT
Jerome Nathan and Richard W. Adler, New York, N. Y., assignors to Bantam-Lite, Inc., New York, N. Y., a corporation of New York
Application January 21, 1950, Serial No. 139,882
3 Claims. (Cl. 240—10.68)



3. In a flashlight construction, a metallic tubular battery casing formed with top open and closed bottom ends, a metallic head end closure cap mounted on said casing open end having an elongated peripherally extending slot adjacent said casing open end, an incandescent lamp extending through said cap with a base of said lamp aligning with said slot, a spring current conducting jumper having one end secured to a rim end of said slot, a free end of said jumper being bent to slope toward said lamp base, an insulating annulus retained by said cap inwardly of said slot for mounting the lamp base in alignment with a battery cell terminal housed in said casing, a switch ring encircling said cap mounted for limited rotation to extend over said slot and jumper, and a camming projection carried by said ring to extend into said slot for flexing said jumper free end to electrically contact said lamp base on rotation of said ring from an "off" to an "on" circuit switching position, a clip anchored to said cap to extend over the switch ring, and finger gripping means formed on portion of a peripheral side of said ring, another portion of said peripheral ring side extending to travel under the clip on the rotation of the ring being provided with marking indicating said "off" and "on" circuit switching positions.

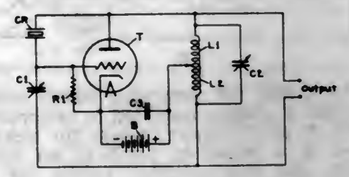
2,570,839
VESSEL PROPELLING AND STEERING MECHANISM
Andrew F. O'Bannon, Los Angeles, Calif.
Application December 17, 1947, Serial No. 792,149
2 Claims. (Cl. 115—29)

1. Combined propelling and steering mechanism of the class described, comprising a turntable mounted in the stern of a vessel and rotatable in a horizontal plane, a pair of vertical pivot pins rotatably journalled at transversely spaced points in the peripheral portion of said turntable and projecting upwardly and downwardly therefrom, a pair of flexible propelling blades secured to and extending rearwardly from lower end portions of the respective pivot pins, a pair of cranks secured to upper end portions of the respective pins, a motor mounted on said turntable for rotation therewith and including a horizontal



drive shaft extending rearwardly into the space between said pins, a pair of opposing eccentrics secured to said drive shaft and operatively connected to the respective cranks whereby said blades may be oscillated simultaneously in opposite directions, and means driven by said motor for rotating said turntable.

2,570,840
RADIO-FREQUENCY OSCILLATOR ORGANIZATION
John C. O'Brien, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 23, 1946, Serial No. 711,998
1 Claim. (Cl. 250—36)



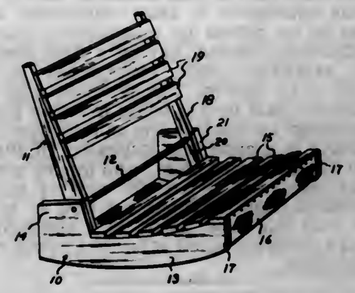
A radio frequency oscillation generator comprising in combination, an electron tube having cathode, anode and control grid elements, a piezoelectric crystal adapted to be operated at several harmonic frequencies of its fundamental vibration mode, a tank circuit having capacitive and inductive circuit elements tuned to a harmonic of said crystal, a variable balancing condenser, a direct curent voltage supply, a load circuit for said tube connecting said anode directly to said tank circuit and connecting an intermediate point on said induction element of said tank circuit through said voltage supply to said cathode, circuit means connecting said crystal directly between said one end of said tank circuit and said grid, circuit means for connecting said balancing condenser directly between the other end of said tank circuit and said grid, a grid leak resistor connected between said grid and said cathode, and a by-pass condenser shunting said voltage supply, whereby the adjustment of said balancing condenser to balance the grid to anode capacitance of the tube and of the crystal when the tank circuit is off resonance, neutralizes grid to cathode potential to prevent oscillations except for the harmonic frequency to which the tank circuit is tuned, thus permitting the use of a relatively thick and structurally sound crystal in determining the frequency for oscillation comparable to the fundamental resonance mode of a thin and fragile crystal.

2,570,841
FESTIVE CANDLE
James M. O'Connor, Seattle, Wash.
Application November 6, 1948, Serial No. 58,740
4 Claims. (Cl. 102—31)



2. As a festive candle, an ignitable sparkler rod, a short wick applied in contiguous lapping relation to the head end only of the rod, and a body of wax investing said rod and the lapping portion of the wick.

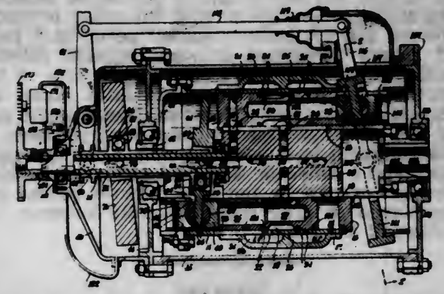
2,570,842
BEACH OR LIKE ROCKING CHAIR
Vincent T. O'Connor, Revere, Mass.
Application June 24, 1950, Serial No. 170,189
6 Claims. (Cl. 155—75)



1. A beach chair comprising a pair of rockers, seat establishing means interconnecting said rockers, a back connected to said rockers adjacent their rear ends, and a fabric bottom secured to the bottom of said rockers to establish a taut load supporting surface to prevent said rockers from becoming embedded in the sand.

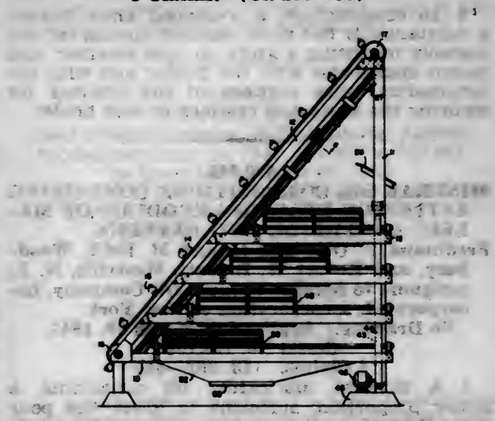
2,570,843
HYDRAULIC TRANSMISSION
Elias Orshansky, Jr., Stamford, Conn., assignor to The Acrotorque Company, Stamford, Conn., a corporation of Connecticut
Application August 8, 1947, Serial No. 767,605
5 Claims. (Cl. 60—53)

1. The combination in an hydraulic transmission of a housing, a rotatable cylinder block in said housing having four parallel pump and four parallel motor cylinder bores therein, the pump cylinders being open at one end of the block and the motor cylinders being open at the other end of the block, so that the pressure chambers in said pump and motor cylinders are located on opposite ends of said block, each cylinder having a valve chamber substantially centrally thereof, high and low pressure manifolds in said block having ports communicating with the valve chamber of each of said cylinders, pistons in each cylinder having spool type valve body portions reciprocable relative to said ports, passages in said block connecting the pressure chamber in each pump cylinder with the valve chamber in an adjacent pump cylinder, whereby the valving of each pump pressure chamber relative to the high and low pressure manifolds is controlled by the reciprocation of the pump piston in said adjacent pump cylinder, passages in said block connecting the pressure chamber in each motor cylinder with the valve chamber in an adjacent motor cylinder, whereby the valving of each motor pressure chamber relative to the high and low pressure manifolds is controlled by the re-



ciprocation of the motor piston in the adjacent motor cylinder, and whereby the entire supply of working fluid for said unit is contained within said cylinder block, an input shaft, means actuated by rotation of said input shaft relative to said block for reciprocating said pump pistons, including adjustable mechanism for adjusting the pump piston stroke from substantially zero to a maximum, an output shaft connected for rotation with said rotatable cylinder block and means actuated in accordance with rotation of said cylinder block relative to said housing for reciprocating said motor pistons in their cylinders, including adjustable mechanism for adjusting the motor piston stroke from a maximum to substantially zero.

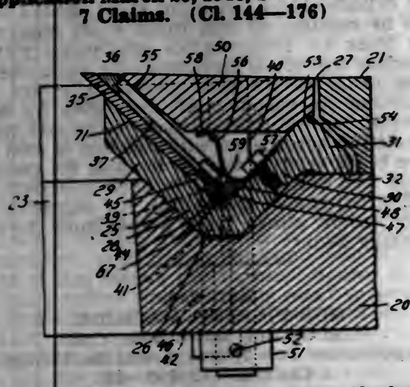
2,570,844
HOP-PICKING MACHINE
Axel Oslund, Santa Rosa, Calif.
Application July 7, 1947, Serial No. 759,349
5 Claims. (Cl. 130—30)



5. In a hop picking machine, the combination which comprises a pair of spaced parallel tri-

angular shape frames having vertically disposed posts forming one of the sides of the frames and inclined beams forming the other of the sides thereof, vertically spaced parallel horizontal beams positioned on the sides of the vertical posts and inclined beams connecting the said beams to the posts, arms carried by the said horizontal beams and extended inwardly into the area between the frames, a plurality of pairs of rollers with picking teeth on the surfaces extended longitudinally of the machine and positioned in planes parallel to the said frames, shafts journaled on the arms extended from the said horizontal beams on which the said rollers are mounted, said shafts positioned whereby one end of each of the said rollers is positioned adjacent the said inclined beams and the other extended toward the vertically disposed posts, said pairs of rollers positioned in superimposed relation with the roller of each pair on one side of the machine positioned in a horizontal plane extended between the rollers on the opposite side of the machine, and with the inner surfaces of the rollers of the upper pair in overlapping relation, and a conveyor with hop gripping elements thereon carried by the said inclined beams and positioned to drag hops upwardly between the rollers of the pairs.

2,570,845
ROTARY CHIPPER-KNIFE MOUNTING
Peter N. Otterland, Watertown, N. Y.
Application March 29, 1946, Serial No. 657,924
7 Claims. (Cl. 144—176)

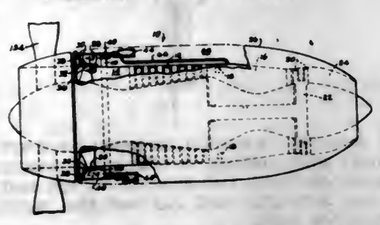


6. In combination, a V-shaped knife holder, a substantially flat knife retainer, means for adjustably mounting a knife on said retainer, and means engageable with the holder and with the longitudinal edge portions of the retainer for securing the knife and retainer in said holder.

2,570,846
MINERAL OIL COMPOSITIONS CONTAINING ESTERS OF REACTION PRODUCT OF MALEIC ANHYDRIDE AND STYRENE
Ferdinand P. Otto and Orland M. Reiff, Woodbury, and Robert W. Barrett, Westville, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 20, 1947, Serial No. 736,106
4 Claims. (Cl. 252—56)

1. A mineral lubricating oil containing a minor proportion, sufficient to lower the pour point thereof, of the product obtained by reacting about 6 parts by weight of maleic anhydride with about 5 parts by weight of styrene to produce a copolymer, and then esterifying said copolymer with a mixture of saturated aliphatic alcohols having an average of about 14 carbon atoms per molecule in a straight chain.

2,570,847
AIR INTAKE CONTROL APPARATUS FOR GAS TURBINE POWER PLANTS
William G. Ovens, Ramsey, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application January 29, 1949, Serial No. 73,613
6 Claims. (Cl. 60—39.29)



1. In combination with an aircraft gas turbine power plant having a combustion chamber, an annular forwardly directed air intake duct having an annular inlet opening disposed adjacent to the forward end of said power plant, an air compressor for supplying said combustion chamber with air compressed from said duct for combustion with fuel in said chamber, and a turbine drivably connected to said compressor and arranged to be driven by combustion gases from said chamber; means having a first position in which relatively little obstruction is offered thereby to air flowing through said duct to said compressor, said means being movable from said first position for obstructing said air flow; means responsive to a condition indicative of the power output of said power plant; and means controlled by said responsive means for moving said movable means from said first position so as to obstruct said air flow when said condition goes beyond a predetermined value in a power increasing direction.

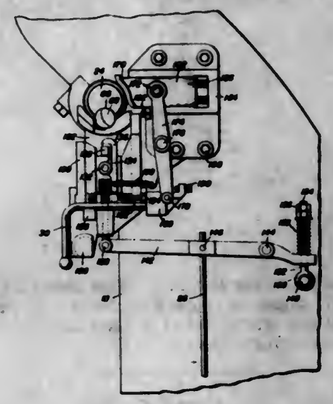
2,570,848
COMBINATION APRON AND POTHOLDER
Irene Ozenberger, Kansas City, Mo.
Application May 23, 1949, Serial No. 94,790
3 Claims. (Cl. 2—48)



1. In an apron of the kind described, a body having a plurality of side-by-side separate

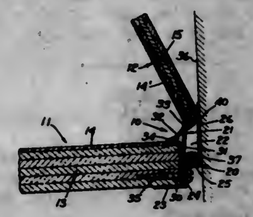
panels, the two outermost panels each being provided at the lowermost end thereof with a padded portion greater than the thickness of the remainder of the body.

2,570,849
LATCH OPERATED CLUTCH AND CONTROL
Isaac Patrick, Frederick, Md., assignor to Frederick Iron & Steel, Inc., Frederick, Md., a corporation of Maryland
Application June 10, 1948, Serial No. 32,177
7 Claims. (Cl. 192—29)



1. In an inclinable press, a clutch comprising rotatable driving and driven members, a clutch key carried by one of said members and movable into driving engagement with the other member, actuating means for moving said key into driving engagement, release means for moving said key into inoperative position, said release means including a cam having a cut-away portion in cooperation with a latch plate slide whereby rotation of said driven member and of said clutch key by engagement of said cam with the latch plate slide cause movement of the clutch key and slides said clutch key out of driving engagement, manually operable selector means for conditioning said release means for selective single or continuous rotation of the driven member and clutch control means for selectively rendering said actuating and release means operable and inoperable.

2,570,850
CONNECTOR FOR ATTACHING BACK-SPLASH PANELS TO COUNTER TOPS
Ira J. Pearson, Riverside, Calif.
Application October 30, 1950, Serial No. 192,946
8 Claims. (Cl. 311—104)



1. The combination with a counter top and a back-splash panel, of a connector comprising a member fixed to said counter top and having an upwardly projecting flange spaced rearwardly from the back edge thereof a distance substantially equal to the thickness of said back-splash panel, and a second member extending upwardly from the back edge of said counter top to a point above the top surface thereof, said second member being inclined rearwardly toward said flange so that its top edge is spaced therefrom a distance substantially less than the thickness of said back-splash panel, said second member being resiliently yieldable away from said flange to permit the bottom edge of said back-splash panel to be inserted therebetween, said bottom edge of said back-splash panel being yieldingly gripped between said flange and said second member by the spring pressure of the latter, whereby said back-splash panel is permitted a limited amount of shifting with respect to said counter top.

2,570,851
INTERCHANGEABLE HANDBAG
Irving Peyser, Brooklyn, N. Y.
Application December 6, 1949, Serial No. 131,390
2 Claims. (Cl. 150—28)



1. Connecting means for a handbag having a rigid lower body member and a flexible reversible upper body member which can be turned to have either side faced outward, comprising equally spaced fastener members mounted on the outside of the lower body member and in a line encircling the lower body member closely adjacent its top, the bottom portion of the upper body member being of an inside diameter to be snugly telescoped over the top of the lower body member above said fastener members regardless of which of its sides is faced outward, and complementary fastener members depending from the bottom edge of the upper body member to be exposed for engagement with said first-mentioned fastener members regardless of which of the sides of the upper body member is faced outward.

2,570,852
METAL RAKE
Josef Pfistershammer, Wilhelmsburg, Austria
Application June 26, 1947, Serial No. 757,093
In Austria November 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 30, 1965
4 Claims. (Cl. 56—400.01)



1. A metal rake comprising a hollow hexagonal head formed integrally from a single steel strip having tapered ends, said head having a plurality of pairs of holes formed therein through opposed

flat sides of said hexagonal head, each of said holes having a bushing surrounding the same thereby providing two sets of opposed bushings, said bushings being integrally formed from said head, one set of said bushings extending inwardly within said hollow head and the bushings of the other set extending outwardly of said head, and a pressed steel tooth engaged in a pair of said opposite holes whereby the tooth is reinforced by the said bushings.

2,570,853
SELF-ADJUSTING TAPPET FOR INTERNAL-COMBUSTION ENGINES
Daniel H. Pierce, Birmingham, Mich.
Application August 17, 1948, Serial No. 44,620
4 Claims. (Cl. 123—90)



1. In a valve tappet for a heat engine, a valve-engaging member and a body member, said members having spaced opposed portions relatively movable toward and from each other, a mass of silicone polymer compound between said portions and in engagement with each, said polymer being highly resistant to sudden deformation but freely flowable under sustained pressure whereby to transmit force from said body to said member, means confining said polymer between said portions, said means including a yieldable portion arranged to apply pressure to said mass and urge said body and member apart, said yieldable portion being yieldable to permit limited flow of said mass under the influence of external pressure urging said body and member together.

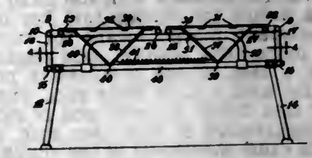
2,570,854
SELF-ADJUSTING TAPPET FOR INTERNAL-COMBUSTION ENGINES
Daniel H. Pierce, Birmingham, Mich.
Application May 18, 1949, Serial No. 93,931
6 Claims. (Cl. 123—90)

1. In a valve tappet for use in an internal combustion engine, the combination of a body having a bore therein which is closed at one end and open at its opposite end, a piston within said bore having oppositely disposed side walls and having a diameter only slightly less than the diameter of the bore to permit a restricted flow of viscous material between said piston and the wall of the bore, a movable end wall sealing the open end of the bore, resilient means urging said wall inwardly, a piston rod connected to said piston and extending through said movable end wall, and a mass of soft, solid but flowable viscous material in the bore on opposite sides of said piston, said material being highly resistant



to sudden deformation but freely flowable under sustained pressure whereby forces applied to said body are transmitted to said piston and rod through said material.

2,570,855
DOUBLE FRAME BED
Joseph H. Pilates, New York, N. Y.
Application April 19, 1948, Serial No. 21,978
2 Claims. (Cl. 5—210)

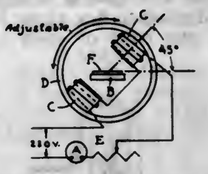


1. A bed comprising a rigid rectangular frame affording a pair of side rails and two rectangular framed members disposed between said side rails and together forming a surface for the support of a person's body, said members being hinged to said side rails and so designed and constructed that when the bed is occupied by a person's body the central longitudinal portion thereof may be disposed substantially below the level of said side rails and the outer longitudinal edges thereof remain at substantially the level of said side rails so that the surface forms a dihedral angle having sides sloping downwardly toward the longitudinal center line from said side rails, and resilient means under tension normally opposing the angular downward movement of the said two members.

2,570,856
PROCESS FOR OBTAINING PIGMENTED FILMS
Burt Carlton Pratt and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 25, 1947, Serial No. 737,178
7 Claims. (Cl. 41—32)

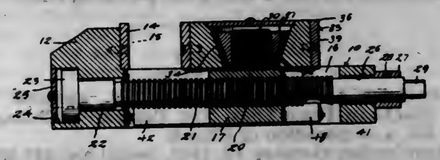
1. A metal-pigmented film comprising a film-forming binder and from 0.1% to 95%, by weight

of said binder, of metal pigment particles, at least 50% of said metal particles being in flake form and at least 10% of said metal particles being ferromagnetic, said metal particles in flake



form being oriented so that a major axis of each of said particles in flake form is parallel to a major axis of each other of said particles in flake form, said parallel major axes being at an angle of 28° to 75° to the plane of said film.

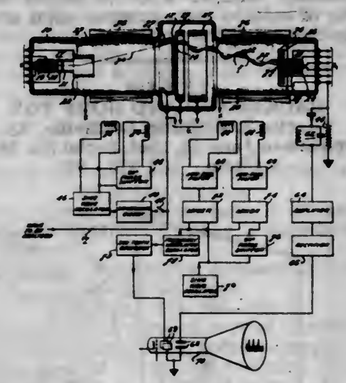
2,570,857
VISE HAVING SWIVEL JAW CLAMPED TO BASE IN PROPORTION TO CLAMPING PRESSURE ON WORKPIECE
Liborio Purpura, Wheeling, W. Va.
Application November 4, 1949, Serial No. 125,501
1 Claim. (Cl. 81—20)



A swivel jaw vise comprising a base formed with an elongated opening therethrough, a fixed jaw carried by said base adjacent one end of said opening, a movable jaw engaging the upper side of the base, said movable jaw having an inverted conical passageway extending therethrough from top to bottom, said base having guide grooves in the lower side thereof, said guide grooves extending parallel to said opening, a slide engaging said guide grooves, said slide having a threaded opening, a screw shaft rotatably carried by said base and engaging through said threaded opening; a threaded stud fixed to and extending upwardly from said slide, passing through said elongated opening, and terminating in said passageway; an inverted conical nut threaded on said stud and positioned in said passageway so that the conical surface of the latter engages only the conical surface of the nut whereby clamping pressure against said movable jaw effects a binding thereof against the upper side of said base and simultaneously effects binding of said slide in said grooves, and said movable jaw comprising a rectangular body rotatable on said stud.

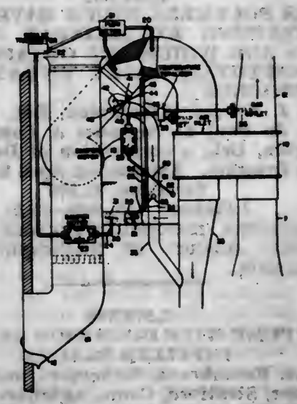
2,570,858
FREQUENCY ANALYZER
Jan A. Rajchman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1949, Serial No. 78,652
15 Claims. (Cl. 175—183)

11. Apparatus for analyzing complex electrical waves containing components of different frequencies, said apparatus comprising a cathode ray storage tube including (1) a dielectric target element, (2) a first electron gun for bombarding one surface of said target with a first beam of electrons, (3) a collector electrode located adjacent said target for collecting secondary electrons emitted from said target, said collector electrode being adapted to be connected to a source of complex waves to be analyzed, (4) a second electron gun for directing a second beam of electrons toward said target, said second gun having a cathode maintained at a positive potential with respect to the potential of said target, and (5) a second collecting electrode for picking up electrons originating in said second beam and reflected from said target toward



said cathode, first beam deflecting means for deflecting said first beam along a circular scanning path relative to said element at a predetermined scanning rate, second beam deflecting means for deflecting said second beam along a path substantially coextensive with said circular path at a variable rate higher than said predetermined rate, and a fixed frequency-sensitive-utilization network coupled to said second collecting electrode.

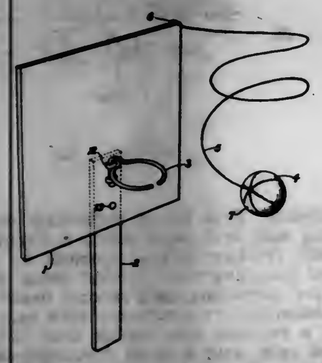
2,570,859
AIR PREHEATER CONTROL SYSTEM
Robert Rasmussen, Detroit, Mich., assignor, by mesne assignments, to The Air Preheater Corporation, New York, N. Y., a corporation of New York
Application July 19, 1948, Serial No. 39,538
1 Claim. (Cl. 257—6)



In an air preheater system including an air heater, means for by-passing cold air around said heater including a by-pass damper, means for recirculating preheated air through said heater including a recirculation damper, means

normally urging said recirculation damper toward open position, means normally urging said by-pass damper toward closed position, levers for moving said dampers, slotted link means cooperating with said levers, means for moving said link means between limiting positions, said link means in one limiting position holding said recirculation damper closed and permitting said by-pass damper to close, the slots on said link means being disposed to permit complete opening of said recirculation damper and thereafter to effect opening of said by-pass damper upon movement from said one limiting position.

2,570,860
BACKBOARD AND HOOP TOY
Charles S. Redding, Louisville, Ky.
Application June 13, 1949, Serial No. 98,791
1 Claim. (Cl. 273—98)



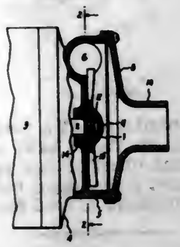
A toy of the type comprising a paddle, a hoop and a captive ball, wherein: the paddle has a lower handle portion and an upper rectangular, imperforate portion without obstructions except the hoop, the hoop is formed with a gap in its periphery to permit a string to pass through, and is attached to the paddle so that it is perpendicular to and below the center of the rectangular portion; and the ball is attached to one corner of the rectangular portion of the paddle.

2,570,861
LINEAR POLYMERS WHICH HAVE FORMAL-CONTAINING EXTRALINEAR SUBSTITUENTS AND WHICH ARE OBTAINED FROM MONOETHYLENICALLY UNSATURATED COMPOUNDS
Milton J. Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1948, Serial No. 23,399
3 Claims. (Cl. 260—89.5)

1. Polymeric material comprising the polymerization product of methoxymethoxyethyl methacrylate.

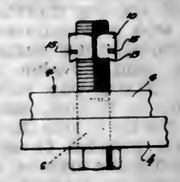
2,570,862
FLUID PUMP WITH DIRECTION RESPONSIVE IMPELLER BLADES
Frank A. Rosenkrans, Bridgeport, and Ernest A. Wagner, Stratford, Conn., assignors to General Electric Company, a corporation of New York
Application October 29, 1949, Serial No. 124,338
1 Claim. (Cl. 103—97)

A direction responsive liquid pump comprising a casing having inflow and outflow passages, a rotatably driven shaft extending into said casing, an impeller having a hub portion attached to said shaft, said impeller having blades of a flexible material extending substantially radially from said hub portion and having a slight pitch, said blades being adapted to flex along lengthwise extending lines, one edge of each of said blades



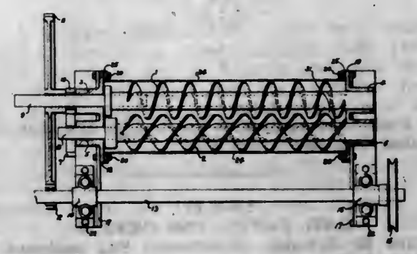
being thin and readily distortable and the other edge being relatively thick and stiff, whereby upon rotation in one direction the readily distortable edges bend to increase the pitch of the blades and develop a relatively large pumping head and upon opposite rotation feather to decrease the pitch and develop a negligible pumping head.

2,570,863
LOCK NUT
Lawrence A. Rowe, Oak Park, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1945, Serial No. 621,952
2 Claims. (Cl. 151—21)



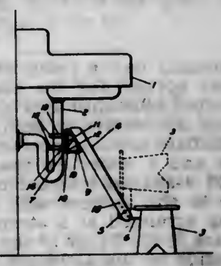
1. A unitary locknut for a bolt having continous and uninterrupted threads, comprising a nut body having an axial bore provided with a continuous and uninterrupted thread, a flat face extending longitudinally entirely across the nut body and laterally beyond said axial bore and which occupies a plane normal to the nut axis and that is presentable to a surface against which the nut exerts its thrust when tensioning an appropriate bolt, relatively narrow ridges projecting away from two opposite sides of said face, having oppositely inclined smooth trapezoidal faces out of alignment with said flat face, the trapezoidal faces having their innermost edges and most remote edges relative to the axis of the body in parallel relation to each other and to said opposite sides of the body, said body having oppositely disposed peripherally separated segmental slots each aligned axially of the nut body with one of said ridges, said slots each being of relatively uniform width axially of the nut, opening laterally of the nut, extending into the nut body toward the nut axis, stopping short of the bore of the nut, but having the inner said walls thereof straight and parallel with each other, said inner side walls lying in close proximity to the threaded bore of the nut, said nut, when wrenched home to its final position against said surface by axial movement on said bolt, having the inclined smooth faces of said ridges in alignment with said flat face and having the parts of the nut threads adjacent the inner side walls of said slots crowded into the bolt threads to positively lock the nut to the bolt and prevent rotation of the nut with respect to the bolt.

2,570,864
MIXING MACHINE
Robert P. Rowlson, Detroit, Mich.
Application July 23, 1948, Serial No. 40,201
8 Claims. (Cl. 259—22)



1. In a mixing machine, a housing, a pair of parallel shafts journalled therein, a continuous screw on each shaft, said screws being of unequal pitch and meshing with each other, and means for driving said shafts at angular velocities inversely proportional to the pitches of the screws thereon.

2,570,865
SWING-AWAY LAVATORY STOOL
Louis R. Sabo, Mariemont, Ohio
Application February 25, 1947, Serial No. 730,790
7 Claims. (Cl. 155—80)



1. In combination with a lavatory, a back support pivotally attached by a vertical pivot to a fixed support adjacent the lavatory to be supported at an angle to the vertical pivot, and a foot stool pivoted to the back support in position to rest on the floor and adapted to be swung away against the back support and be retained by gravity in swung-away position.

2,570,866
REDUCTION OF NITROARYL COMPOUNDS
Donald E. Sargent and George Wesley Pedlow, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 19, 1948, Serial No. 55,426
17 Claims. (Cl. 260—518)

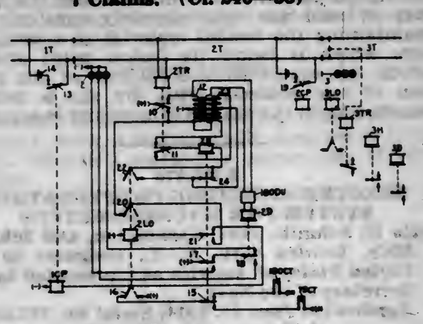
4. In the process of reducing nitroaromatic compounds to the corresponding hydrazo aromatic compounds by treatment with a reducing agent in the presence of an alkaline medium, the improvement comprising employing as the reducing agent aluminum and a small quantity of an alkali-metal zincate formed from a zinc compound selected from the group consisting of zinc, zinc oxide, zinc hydroxide, zinc sulfate, zinc chloride, zinc nitrate, zinc acetate and zinc oxalate.

16. The process of reducing nitrobenzoic acid to hydrazobenzoic acid which comprises gradually adding aluminum to an aqueous mixture comprising nitrobenzoic acid, sodium hydroxide, cadmium sulfate and a small quantity of zinc oxide, and maintaining the temperature of the mixture at from about 100 to about 106° C. during and after said addition until the desired reduction is complete.

2,570,867
METHOD OF CRYSTAL FORMATION AND PRECIPITATION
Vincent J. Schaefer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 21, 1948, Serial No. 3,545
3 Claims. (Cl. 299—28)

1. The method of causing crystal formation in a mass of supercooled water droplets suspended in air, which method comprises reducing the temperature of a part of said mass below —35° C. by introducing particles of solid carbon dioxide into said mass whereby myriads of minute ice crystals are formed and resulting in the growth of said ice crystals into snow crystals.

2,570,868
BROKEN-DOWN JOINT PROTECTION IN CODED TRACK CIRCUIT SIGNALING SYSTEMS
Marcian A. Scheg, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 9, 1946, Serial No. 646,625
7 Claims. (Cl. 246—38)



1. In a coded track circuit signalling system of the character described for a stretch of track having a signal for a given direction of traffic with a track section in advance and another in the rear thereof and with both sections having code pulses applied thereto, code receiving means at said signal operated by code pulses in said advance section, decoding means associated with said code receiving means, electro-responsive means for governing the response of said decoding means to the operation of said code receiving means, such electro-responsive means having normal and operated positions, means for energizing said electro-responsive means to actuate it to said operated position in response to

the operation of said code receiving means only if said decoding means has been inactive for a period of time, means for initially rendering said decoding means active in response to the operation of said code receiving means by a track circuit code only if said electro-responsive means is in said operated position, means for restoring said electro-responsive means to said normal position when said decoding means becomes active, means for steadily energizing the track rails of said rear track section when said electro-responsive means is in said operated position, and signal clearing means for clearing said signal only when said decoding means is active, whereby in the event of broken down insulated rail joints the application of steady energy to the rear track section acts upon the code receiving means of the advance track section in a manner to render said decoding means inactive resulting in said signal being held at stop, and whereby the clearing of said signal cannot be effected by said decoding means unless said electro-responsive means has been actuated to its operated position and returned to its normal position subsequent to the passage of a train through the advance track section.

2,570,869

METHOD OF MANUFACTURING THIN WIRES

Gerrit Schmidt, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, as trustee

No Drawing. Application July 15, 1947, Serial No. 761,163. In Belgium November 4, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires November 4, 1964

7 Claims. (Cl. 148—9.5)

1. The method of reducing to minute size electrically conductive filamentary material of a single element of relatively high fusion temperature which comprises, heating the material by the passage of an electric current therethrough in a surrounding atmosphere of a gas which is reactive with respect to the said material, at a low pressure of less than approximately 50 baryes, while maintaining the pressure of said gas approximately constant and maintaining the heated material at a temperature which is below its fusion point and at which the temperature coefficient of the reaction of said material with the gas is zero or negative until the desired minute size is attained.

2,570,870

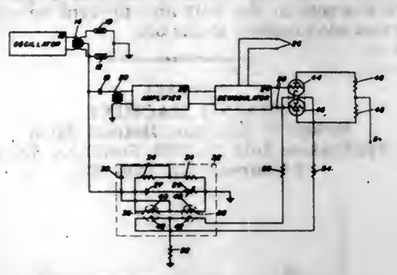
ELECTRICAL BRIDGE COMPENSATION SYSTEM FOR MAGNETOMETERS

Otto H. Schmitt, Port Washington, and John H. Hidy, Garden City, N. Y., assignors to the United States of America as represented by the Secretary of the Navy

Application June 29, 1944, Serial No. 542,658

6 Claims. (Cl. 177—380)

1. In a compensated magnetometer system for measuring changes other than protracted changes in a magnetic field, a magnetometer sensitive to all changes in said field, a source of compensating current for said magnetometer, and means for controlling the flow of said current from said source to said magnetometer, said means comprising a normally balanced bridge circuit including a pair of variable impedance elements, the input diagonal of said bridge being connected to said current source and the output diagonal of said bridge being connected to said magnetometer, and means operable in response to variations in the output of said magnetometer due to all changes in said field but effective only after a chosen time delay to vary the impedance offered by said impedance elements, said time delay be-



ing such that compensation occurs only for protracted changes in said field.

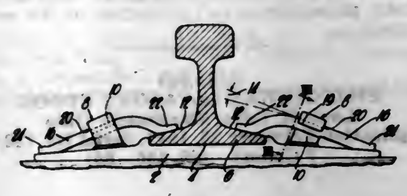
2,570,871

RAIL FASTENING DEVICE

Arthur R. Schulze, Westmont, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application June 5, 1947, Serial No. 752,777

1 Claim. (Cl. 238—349)



A rail fastening device comprising a tie plate having a seat portion for the base of the rail, a single inverted substantially J-shaped member having a long leg secured to said tie plate at a point intermediate the seat portion and the edge of the plate and a short leg spaced from said long leg, said J-shaped member being arranged at an angle to the vertical with the underside thereof being arranged at a steeper angle than the top surface of the flange of the rail, the angle of the underside of the J-shaped member being inclined in the same general direction as the top surface of the flange of the rail adjacent thereto, an elongated longitudinally bowed spring clip extending through said inverted J-shaped member and bearing against the underside thereof, the width of said clip being slightly less than the distance between said legs, the upper surface of said clip being longitudinally convex, the distance between the underside of the J-shaped member and the tie plate being greater than the thickness of the clip, one end of said clip bearing against the top of the rail flange and the other end bearing against the top of the tie plate, the portion of said spring clip bearing against the underside of said inverted J-shaped member being under compression and being arranged at an angle at least as great as the angle of the underside of the J-shaped member, the said convex portion of the spring clip being in contact with the J-shaped member in a manner to urge said clip toward the rail under vibration, and a shoulder on the top part of said clip bearing against the outer part of the inverted J-shaped member to limit inward movement of the clip.

2,570,872

SHUTTLE

James E. Segee, Lawrence, and Wilfrid J. Gosselin, Methuen, Mass., assignors to U. S. Bobbin & Shuttle Co., Providence, R. I., a corporation of Rhode Island

Application February 7, 1948, Serial No. 6,894

4 Claims. (Cl. 139—198)



1. A shuttle comprising a hollow body with a recess to receive a yarn package, such recess having an open top, a bottom and side walls with serrated inside faces, an extended front part, a transverse cover holding pin hole and an extended back part, a transverse pivot pin hole with a dead end, and a thread eye passing through one side wall near the front; a transverse cover holding pin which extends across the extended front part of the recess through the holding pin hole near the top of the shuttle and nearer the front than the thread eye; a cover to partially close the open top of the recess and to hold the yarn package of the inside unwinding type in place, said cover being made of resilient material having at its front end a free tip to go under the transverse cover holding pin and at its other end being formed with a substantially tubular integral pivot member inside of which is a closely fitting resilient lining through which is a transverse pivot pin hole, the cover being pivoted in the extended back part of the recess on a transverse pivot pin; such transverse pivot pin which fits the pivot pin hole in the shuttle body with a drive fit and which goes through the extended back part of the recess and through the pivot pin hole in the lining with a drive fit.

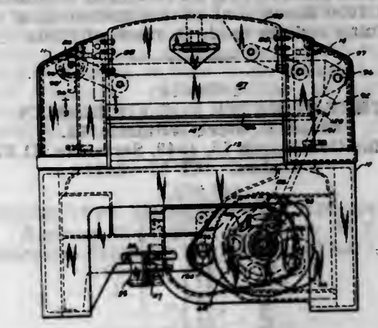
2,570,873

PAPER CUTTER

Frederick W. Seybold, Westfield, N. J., assignor to E. P. Lawson Co., Inc., New York, N. Y., a corporation of New York

Application May 31, 1946, Serial No. 673,289

57 Claims. (Cl. 164—54)



1. In a paper cutter having a horizontal table to support a stack of paper to be cut, a clamp and knife placed forward of said clamp, said clamp and knife being mounted above said table and moving down toward said table for cutting and up away from said table at the end of the cutting stroke; operating means for said knife and operating means for said clamp, and an additional connection between the operating means for the knife and the operating means for the clamp to transmit to the clamp a downward force thereon proportional to the resistance encountered by the knife in entering and going through the paper stack.

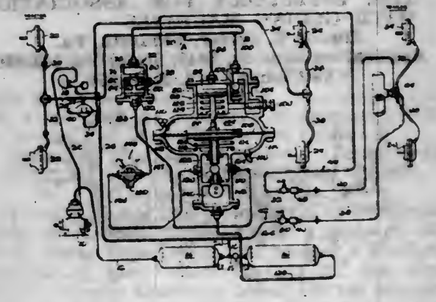
2,570,874

FLUID PRESSURE BRAKING SYSTEM

John F. Shumaker, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware

Application April 14, 1950, Serial No. 155,842

15 Claims. (Cl. 303—84)



1. In a fluid pressure operated vehicle braking system, a source of fluid pressure, a plurality of brake chambers, a brake valve connected with said source, a plurality of conduits connecting the brake valve and chambers, a normally open fluid pressure actuated valve in one of the conduits, and means to supply fluid pressure to the latter valve to close the same and thereby interrupt the flow of fluid pressure therethrough, comprising a fluid pressure differential operated control device including a fluid pressure actuator, means to subject one side of said actuator to the pressure existing at one point in said one conduit, means to subject the opposite side of said actuator to the pressure existing at another point in said one conduit, a check valve associated with the last named means, and a restricted by-pass around the check valve.

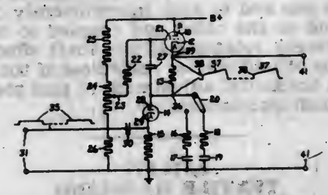
2,570,875

SWEEP WAVE GENERATING CIRCUITS

Robert L. Sink, Altadena, Calif., assignor to General Electric Company, a corporation of New York

Application May 13, 1947, Serial No. 747,824

3 Claims. (Cl. 250—27)



1. In combination, an electron discharge device having an anode, a cathode, and a control electrode, a source of operating potential connected to said anode, a source of unidirectional bias potential connected to said control electrode, a first condenser connected between said cathode and the negative terminal of said source, a switch connected across said condenser to dis-

charge it, a second condenser connected between said control electrode and the electrode of said first condenser nearest said cathode whereby when said switch is opened said first condenser charges and the potentials of said cathode and control electrode relative to said negative terminal vary together to produce a linear charging of said first condenser, and an output circuit connected to utilize the linear variation in voltage across said first condenser.

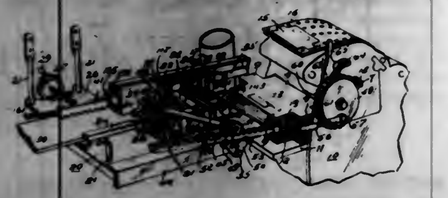
2,570,876

LABEL GLUING AND ATTACHING APPARATUS, ESPECIALLY FOR ASSOCIATION WITH GLUING MACHINES

Elwood E. Sloyer, Nazareth, Pa.

Application June 30, 1949, Serial No. 102,326

18 Claims. (Cl. 216—55)



1. A label gluing and attaching apparatus for driven connection with an instrumentality having an intermittently actuated shaft, comprising a supporting plate, means for supporting the plate in horizontally adjusted relation to such instrumentality, a label manipulating carrier, means guiding the carrier for horizontal translational movement in a substantially fixed path relative to said plate between a first position and a second position horizontally beyond the plate, means for supporting a stack of labels to which the carrier is juxtaposed in the first position, means for supporting a stack of wraps to which the carrier is juxtaposed in the second position a gluing roller adjacent to said means for supporting the stack of labels for coating an engaged label on said carrier when the latter moves between said first and second positions, suction means associated with said carrier for holding an engaged label in contact therewith, means operative at the said first position for actuating said carrier for suctionally engaging a label from such stack, means operative at said second position for actuating said carrier for delivering said engaged label toward a horizontal surface of a wrap of such stack of wraps including suctional release of said engaged label and adjustable transmission means disposed for coupling at one end to such intermittently operated shaft and at the other end coupled to said carrier, whereby rotations of the shaft effect reciprocations of said carrier regardless of the instantaneous horizontal adjustment of said plate relative to such instrumentality.

2,570,877

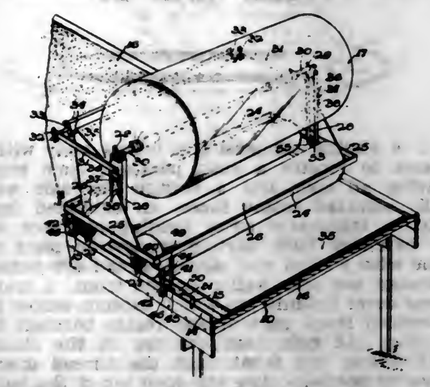
TEXTILE HANDLING

Louis Spinelli, Paterson, N. J.

Application March 25, 1947, Serial No. 736,921

5 Claims. (Cl. 164—17)

1. The method of laying cloth on a plurality of parallel spaced printing tables by means of a cloth laying machine comprising, the steps of arranging a carrier on which the machine is mounted at one end of one of said tables, shifting the machine from the carrier onto the table and operating the same over the table to lay a length of cloth thereover, shifting the machine from said table onto another carrier at the opposite end of the table, positioning said last mentioned carrier adjacent the coincident end of an adjacent table, shifting the machine from the last mentioned carrier onto said table and



operating the same thereover to lay the cloth thereon, positioning said first-mentioned carrier adjacent the coincident end of said second mentioned table and of shifting said machine thereon, for operation thereover, and transversely severing said cloth upon shifting of the machine onto a carrier.

2,570,878

GLASS COMPOSITIONS

John E. Stanworth and Alan E. Dale, Sheffield, England, assignors to General Electric Company, a corporation of New York

No Drawing. Application November 19, 1949, Serial No. 128,505. In Great Britain November 25, 1948

5 Claims. (Cl. 106—54)

1. A glass having a high electrical conductivity and consisting, by weight, of 20 to 65 per cent silica, 10 to 50 per cent boric oxide, 15 to 20 per cent lithia and not more than 25 per cent alumina, said glass having an electrical conductivity 100 to 1000 times that of a corresponding glass containing sodium oxide in place of lithia.

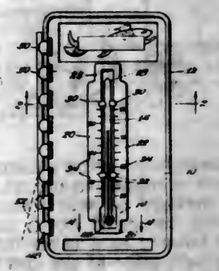
2,570,879

THERMOMETER FOR FISHERMEN

Frank R. Steel, Wilmette, Ill.

Application March 15, 1949, Serial No. 81,578

3 Claims. (Cl. 73—343)



1. A fisherman's thermometer comprising, in combination: a substantially flat, waterproof

plastic panel about two and one-half inches wide and four and three-quarters inches long; there being a peripheral lip around the edge of said panel; said lip extending laterally away from the plane of the panel in one direction only; a central plateau including relatively wide side walls and relatively narrow U-shaped end wall portions connecting said side walls; said walls and wall portions defining a depression extending back down substantially to the panel level along the center of said plateau; a liquid-in-glass thermometer housed in said depression and located entirely below the level of said plateau; spaced pairs of lugs integral with said side walls and overlying said thermometer to hold it in place; said thermometer having a bulb at one end and a laterally projecting glass tip at the other end; said panel having a depression receiving said tip to anchor said thermometer against axial movement; said walls defining an enlargement of said depression around said bulb; said panel having a through hole communicating with said enlargement; said plateau carrying temperature indicia arranged longitudinally beside said thermometer; said wide side walls being of hollow U-shaped cross section with the bight of the U on the same side of said panel as said thermometer.

2,570,880

RADIO BEACON FOR AIRCRAFT

Luis Charles Stenning, Ealing, England, assignor to The General Electric Company, Limited, London, England

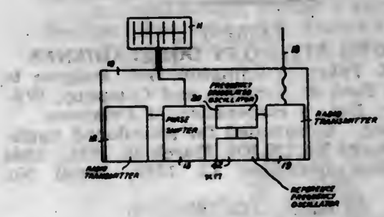
Application June 21, 1947, Serial No. 756,243

In Great Britain May 10, 1946

Section 1, Public Law 690, August 8, 1946

Patent expires May 10, 1966

9 Claims. (Cl. 343—106)



1. In a radio beacon, means for radiating energy having a rotating directional radiation pattern, and means for modulating the radiated energy to provide at least three different identifiable electrical characteristics at positions spaced angularly around the beacon, said characteristics rotating with said radiation pattern.

2,570,881

PLIER TYPE FRICTION-CAP REMOVER

Bertram H. Stewart, New York, N. Y.

Application February 10, 1947, Serial No. 727,711

1 Claim. (Cl. 81—3.46)



A jar and bottle cap remover, comprising a pair of upper and lower pivotally connected members, each including a jaw portion at one end and a handle portion at the opposite end, the pivot intermediate said members being situated between their respective jaw and handle portions, a leaf-spring on one of said handle portions positioned to bear against the other of said handle portions to urge the two handle portions apart and thereby to urge the two jaw portions together, said jaw portions being adapted to be spread apart by forcing the two handle portions toward each other against the action of the spring, the jaw portion of the lower pivotally connected member being relatively longer than the jaw portion of the upper pivotally connected member, said lower jaw portion being bifurcated to receive the upper jaw portion between its two parts.

2,570,882

PREPARATION OF A SINTERED COBALT OXIDE PELLETED CATALYST

Alvin B. Stiles, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 27, 1948, Serial No. 17,577. In Great Britain June 12, 1946

1 Claim. (Cl. 23—183)

In a process for the preparation of a sintered cobalt oxide pelleted catalyst in a state of oxidation lower than Co_2O_3 and having a crushing strength of about 4200 lbs./sq. in., the steps which comprise dissolving cobalt nitrate hexahydrate in water, precipitating basic cobalt carbonate from the solution by the addition of ammonium carbonate, filtering and washing the precipitate with distilled water to remove soluble salts, heating the cobalt carbonate precipitate to a temperature of about 400° C., kneading the resulting product with water to give a dense paste, drying the paste and pulverizing to give a powder, 100% of which passes through a 10 mesh U. S. standard screen, adding to the powder and thoroughly mixing it with 3% by weight of vegetable stearin, pelleting the mixture, heating the resulting pellets in the presence of air and at a temperature of about 700° C., gradually raising the temperature to 900° C. and sintering at that temperature for about 3 hours.

2,570,883

ELIMINATION OF DEFORMATION DURING SURFACE HARDENING

Jiří Stivín, Celakovice, near Prague, Czechoslovakia

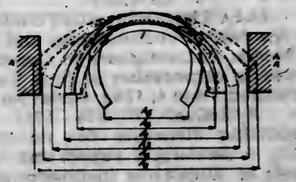
Application January 23, 1947, Serial No. 723,796

In Germany January 5, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires January 5, 1964

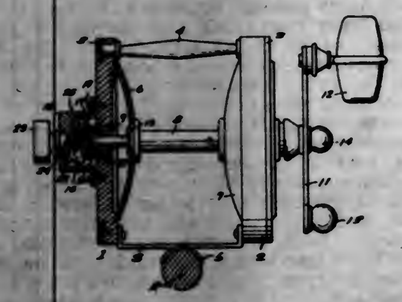
9 Claims. (Cl. 148—10.5)



1. A method of hardening one surface only of a ferrous article hardenable by heating and quenching to avoid permanent deformation resulting from unequal heating and cooling of the article which comprises heating one surface of

the article at a rate sufficient to heat only an outer layer of the material of the article to its hardening temperature while the rest of the article is relatively cool and during said heating mechanically restricting movement of the article caused by the heating to the extent that such restriction causes a permanent compression and a corresponding decrease in the specific volume of the material of the heated surface layer and then quenching the heated layer to form martensite which formation results in an increase of the specific volume of the quenched layer, the mechanical restriction of the article limiting said movement to such an extent that the decrease in specific volume caused by the restriction substantially equals the increase of the specific volume caused by the formation of martensite.

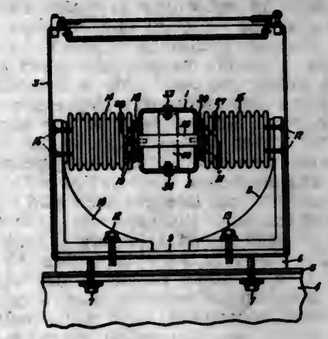
2,570,834
CLICK ATTACHMENT FOR FISHING REELS
Otis B. Surber, Los Angeles, Calif.
Application November 29, 1948, Serial No. 62,461
4 Claims. (Cl. 242—84.6)



1. In a fishing reel including a rotary spool and its shaft, the combination with a ratchet wheel rotatable with and slidable on the shaft, of a housing enclosing the ratchet wheel, a spring blade forming a clicker and mounted in the housing for engagement with the ratchet wheel, resilient means for holding the ratchet wheel in clicking engagement, opposing means for holding the ratchet wheel against longitudinal movement, and manually operated means on said opposing means for releasing said opposing means so that the ratchet wheel will slide on said shaft from engaged to non-engaged position.

2,570,885
ELECTRIC BUS SUPPORT
Nathan Swerdlow, Philadelphia, and George G. Abel, Media, Pa., assignors to General Electric Company, a corporation of New York
Application June 4, 1949, Serial No. 97,272
9 Claims. (Cl. 174—171)

1. Supporting structure for an electric bus comprising a semi-rigid supporting base structure, a pair of supporting insulators mounted on said base structure, said insulators being spaced apart and disposed on opposite sides of the bus, yieldable bus supporting means interposed between said insulators and secured thereto to limit the amount of tension force applied to one of said insulators when the bus exerts a sidewise thrust in a direction toward the other of said insulators and means forming a sliding connection between said bus supporting means and the bus for accommodating limited axial movement of the



bus and for interrelating the bus with said supporting means.

2,570,886
7-CHLORO-6-ETHOXY-3-HEPTENOIC ACID NITRILE
Georges E. Tabet, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 25, 1950, Serial No. 151,989
1 Claim. (Cl. 260—465.6)

A compound of the formula

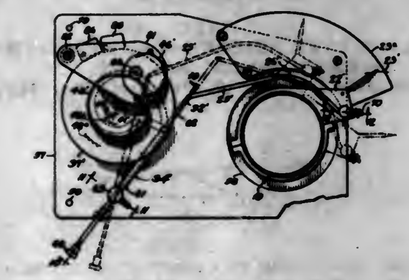
$$ClCH_2CH(OC_2H_5)CH_2CH{=}CHCH_2CN$$

having a boiling point of 123° C. at a pressure of one mm. of mercury.

2,570,887
DICHLORO-DIALKOXY DODECADIENES
Georges E. Tabet, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Substituted for abandoned application Serial No. 151,990, March 25, 1950. This application December 13, 1950, Serial No. 200,701
2 Claims. (Cl. 260—615)

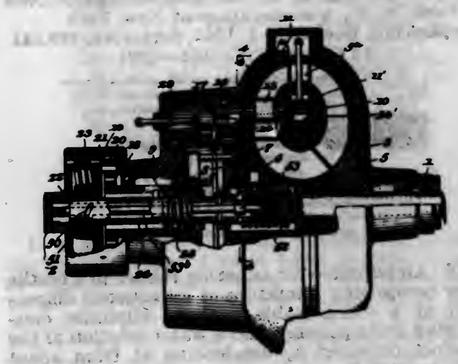
1. 1,12-dichloro-2,11-dialkoxy-4,8-dodecadiene.

2,570,888
AUTOMATIC LENS DIAPHRAGM CONTROL MECHANISM FOR PROCESS CAMERAS
Willis N. Urie, Santa Monica, Calif.
Application August 15, 1947, Serial No. 768,840
1 Claim. (Cl. 95—64)



Mechanism for constantly adjusting a camera diaphragm carried by a rotatable lens holder, so as to vary the size of a lens aperture defined by said diaphragm, comprising: a support, a motor, a cam rotated by said motor and having a working surface, a cam follower cooperating with said working surface, and means for transmitting the motion of said follower to said lens holder, comprising an arm attachable to said holder in a position projecting therefrom, a push-pull link connected to said arm, a lever comprising a tubular portion pivoted to said support to provide a fulcrum, and a shaft portion extending longitudinally through said tubular portion and having one end pivotally connected to said link, and a connection between said tubular portion and said cam follower for receiving movement therefrom, the other end of said shaft portion projecting from the fulcrumed end of said tubular portion and manually engageable for sliding said shaft portion longitudinally in said tubular portion and thereby varying the effective length of said lever between said follower connection and said link, said lever being disposed at an obtuse angle relative to said link, whereby a change in its effective length will effect an adjustment of the starting position of said arm and thus the size of said aperture at the beginning of any exposure operation, said working surface being so laid out as to effect the adjustment of said aperture at a speed constantly changing at a rate of change such that for each increment of aperture adjustment there is a transmission of light such as to provide optimum exposure conditions.

2,570,889
FLUID IMPACT COUPLING AND CLUTCH
Wilhelmus Petrus van Lammeren, Voorschoten, Netherlands
Application July 29, 1947, Serial No. 764,515
In Great Britain August 8, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires August 8, 1959
8 Claims. (Cl. 192—3.2)



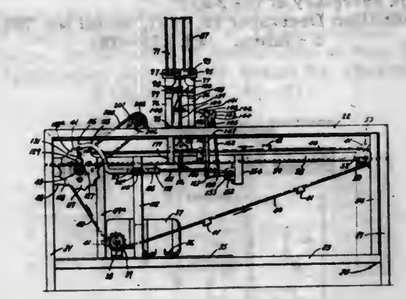
1. An hydraulic power transmission of the Fottinger convertor type, comprising a driving and a driven shaft, a vaned impeller on the driving shaft, a fluid receiving vane wheel on the driven shaft and a guide vane wheel, said vaned members co-operating to form a fluid power transmitting circuit, adjustable vanes on the fluid receiving vane wheel whereby the angle of entrance of the fluid stream is varied in accordance with the difference between the driving torque and the load torque applied to the transmission, said vanes tending to close the passage of the fluid stream as said difference in the driving and driven torques tends to zero, and mechanical means for coupling and uncoupling automatically the driving and driven shafts in order to obtain a direct drive, said means acting in accordance with the variation of the rates between the driving and load torques.

2,570,890
META-PHTHALIC ACID ANHYDRIDE AND METHOD OF MAKING SAME
George Walton, Cincinnati, Ohio
No Drawing. Application October 15, 1948, Serial No. 54,823
8 Claims. (Cl. 260—342.5)

1. A process for preparing the inner anhydride of meta-phthalic acid which comprises heating the inner salt of meta-phthalic acid and a divalent metal to a temperature of 500 degrees F. to approximately 850 degrees F. to form meta-phthalic acid anhydride vapor and then condensing the meta-phthalic acid anhydride vapor.

8. The inner anhydride of metaphthalic acid.

2,570,891
STICK DISPENSING AND POSITIONING APPARATUS
William R. Weaver and John M. Breese, El Paso, Tex.
Application November 8, 1946, Serial No. 58,968
23 Claims. (Cl. 226—14)



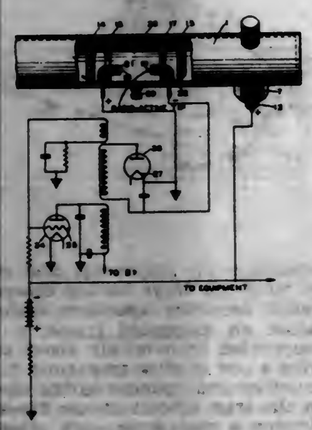
1. A machine for dispensing and positioning sticks in mold top trays having spaced rows of spaced stick receiving apertures comprising in combination an elongated frame, a stick dispenser supported transversely above said frame and having a row of stick magazines corresponding in number and spacing to the apertures in a row in the tray, ejector means for simultaneously ejecting a stick from each of said magazines, means for supporting and moving positively and continuously a line of spaced trays longitudinally of said frame beneath said dispenser along a path transverse to the line of said magazines, means for guiding the ejected sticks as they drop by gravity from said ejector means, said guiding means including a row of vertically movable guide members to receive and direct the sticks into the apertures of a moving tray, said tray moving means including a power driven endless conveyor for positively moving the line of trays, means operated in timed relation with said conveyor for actuating said stick ejector means each time a row of tray apertures is moving under said stick guiding members,

and means for actuating said members in timed relation with the operation of said stick ejector means.

2,570,892
SEALING AGENTS
Chester N. White, Ridley Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application February 24, 1949, Serial No. 78,240
18 Claims. (Cl. 260—14)

1. A sealing agent comprising in stable admixture a minor proportion of a polysaccharide having a molecular weight greater than about 5000 and a major proportion of a non-colloidal aqueous suspension of dispersed condensation-type thermosetting resin selected from the group consisting of phenol-aldehyde, cresylic acid-aldehyde, melamine-aldehyde, urea-aldehyde, and thiourea-aldehyde resin, partially condensed to the intermediate plastic solid stage at which the resin is dispersible in water by stirring without the aid of an emulsifying agent to form a non-colloidal suspension, said aqueous suspension being characterized by its ability, when forced into a bed of 10 mesh sand, to form a resin plug at the face of the bed, which, upon application of heat, will condense to a hard layer impervious to drilling fluid.

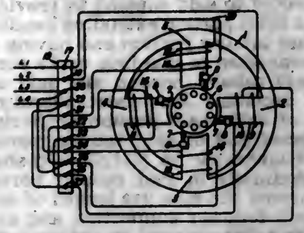
2,570,893
ELECTRONIC ATTENUATOR FOR RADAR
Gilbert Wilkes, Chevy Chase, Md., assignor to the United States of America as represented by the Secretary of the Navy
Application December 18, 1947, Serial No. 792,465
5 Claims. (Cl. 250—20)



1. The combination, in a radar receiver, of a wave guide defining the path of the received energy, a detector located within the end of the wave guide remote from the source of the said energy, whereby said received energy must traverse the wave guide before reaching the detector, an electrical discharge tube whose discharge space extends completely across the internal cross section of the wave guide, said discharge tube having discharge electrodes therein, and means responsive to the detected energy for controlling the intensity of the discharge between said electrodes.

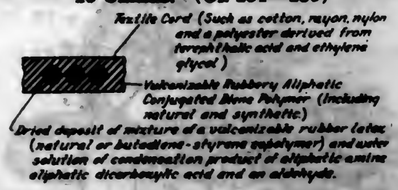
2,570,894
MULTISPEED MOTOR
John C. Willsey, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 3, 1950, Serial No. 193,786
5 Claims. (Cl. 318—223)

1. In a multi-speed single phase induction motor, a stator having four pole pieces spaced



in quadrature, each of said pole pieces having a main winding and an auxiliary winding arranged thereon, said main windings being connected in series forming a first winding circuit to provide a first speed when connected across a source of alternating current, two of said auxiliary windings being connected in series forming a second winding circuit and said first and second circuits being connected in series to provide a second speed when connected across said source, all of said auxiliary windings being connected in series forming a third winding circuit and said first and third circuits being connected in series to provide a third speed when connected across said source.

2,570,895
RUBBER TO FABRIC ADHESION WITH MIXTURE OF LATEX AND POLYAMINE-POLYACID CONDENSATION PRODUCT ADHESIVE
Matthew W. Wilson, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 1, 1947, Serial No. 789,141
13 Claims. (Cl. 154—139)

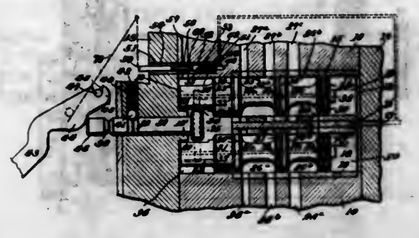


10. An adhesive for adhering rubber to a textile fiber comprising a mixture of an aqueous dispersion of a vulcanizable rubbery aliphatic conjugated diene polymer and a water solution of the product obtained by condensing at from about 180° to 210° C. substantially equimolecular portions of an aliphatic polyamine having at least three amine groups and an aliphatic dicarboxylic acid.

2,570,896
SHIFT-OVER VALVE
Albert Girvin Winchester, Baltimore, Md., assignor to Gerotor May Corporation, a corporation of Maryland
Application August 2, 1944, Serial No. 547,789
10 Claims. (Cl. 277—20)

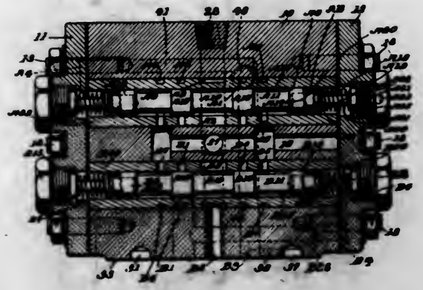
1. As a new article of manufacture, a hydraulic valve comprising, in combination, a valve casing

with lateral inlet and outlet ports therein and having a longitudinal bore extending therein, said casing having a further port at one end thereof opening into said bore, a valve element slidable in said bore for controlling said lateral ports by fluid pressure at said end port, manually-operated means on said casing and connected



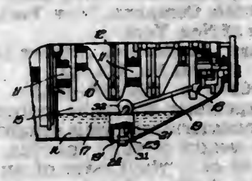
with said valve element for restoring the same after movement thereof by fluid from the end port, and bleeder control means actuated by said manually-operated means and connected with said longitudinal bore in advance of said slidable valve element, for receiving and passing excess fluid expelled through said casing.

2,570,897
SHUTTLE VALVE
Albert Girvin Winchester, Baltimore, Md., assignor to Gerotor May Corporation, a corporation of Maryland
Application August 2, 1944, Serial No. 547,790
4 Claims. (Cl. 137—144)



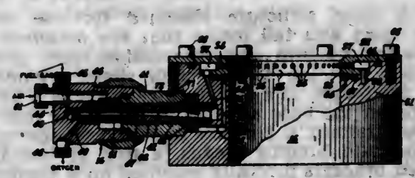
4. A dual hydraulic valve comprising a casing having a pair of valve bores therein; a pair of balanced pistons slidable one in each of said bores; and spring means on each end of said pistons for maintaining the same in a mid-position in said bores, said casing having fluid inlet and outlet passages leading through the same with one pair of inlet passages and one outlet passage to each said bore which are closed from each other in the normal balanced position of the pistons, fluid connections leading from the ends of each piston bore individually to the respective inlet passages for conducting pressure fluid to effect longitudinal displacement of the associated piston, uniflow outlet passages from said bores, for connection by means of the corresponding piston, with the momentary high pressure inlet passage upon movement of the corresponding piston out of closed position, and a fluid exhaust passage common to each of said piston bores.

2,570,898
NONFREEZING OIL SYSTEM
Roger H. Wood, Tomah, Wis.
Application April 2, 1948, Serial No. 18,588
1 Claim. (Cl. 184—6)



In an internal combustion engine comprising a crank case adapted to contain oil and an oil pump adapted to pump oil therefrom through the lubricating system of the engine, the combination therewith of a suction inlet for the oil pump having a low-level suction opening normally drawing oil or water from a relatively low level in said crank case, and a syphon tube safety by-pass having an inlet opening disposed above said low-level suction opening for drawing oil from an intermediate level when said low-level opening is blocked by ice, the discharge end of said syphon tube discharging into said suction inlet pipe.

2,570,899
METHOD OF BURNING OFF HOLLOW GLASSWARE
Raymond Albert Wolf, Maplewood, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application July 9, 1949, Serial No. 103,825
5 Claims. (Cl. 49—77)



1. In a method of burning-off hollow glass ware wherein a flame is applied to a glass work piece, rotated about a substantially vertical axis, at a horizontally localized region extending circumferentially around the work piece to soften the glass in said region and the work piece is elongated vertically during the application of the flame to stretch the softened glass and diminish the thickness thereof, the improvement which consists in applying a blast of cooling fluid against the softened glass of the moil in a horizontally localized region extending circumferentially around the moil, immediately adjacent the region where the flame is applied to the work piece and spaced therefrom a distance such as not to distort the flame, to cool the softened glass of the moil and increase its resistance to flow, and continuing simultaneously to apply said flame and said blast of cooling fluid and to elongate said work piece until severance of the moil therefrom takes place between the region heated by the flame and the region cooled by the blast of cooling fluid.

2,570,900

INHERENTLY PROCESSABLE INTERPOLYMERS OF VINYL CHLORIDE, VINYL AROMATIC ESTER, AND HIGHER ALKYL ACRYLATE

Robert J. Wolf, Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 15, 1949, Serial No. 121,632
6 Claims. (Cl. 260—80.5)

1. An interpolymer made by polymerizing a mixture of monomeric materials comprising from 35 to 90% by weight of vinyl chloride, from 5 to 50% by weight of a vinyl ester of an aromatic acid in which a single carboxyl group is attached directly to a nuclear carbon atom, and from 5 to 60% by weight of an alkyl ester of acrylic acid in which the alkyl group contains a chain of from 5 to 10 carbon atoms.

2,570,901

MAST STRUCTURE

Homer J. Weckmayer, Erwin A. Campbell, and Cecil Jenkins, Tulsa, Okla., assignors, by mesne assignments, to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 9, 1946, Serial No. 702,156
2 Claims. (Cl. 254—139)



1. A mast structure intended for use with both short and tall masts that are designed to be swung up into upright position from prone position with the help of cable slings extending into the masts, said structure comprising a base, means on the base adapted to hinge the foot of a mast thereto, a gin pole mounted on the base behind said hinging means, a pair of laterally spaced brackets pivotally mounted on a horizontal axis at the head of the gin pole and having projecting ends adapted to be connected to the opposite ends of a cable which has been doubled upon itself to form a sling for swinging a short mast upward, supporting means connected to each bracket and having an end projecting therefrom, and sheaves journaled in the projecting ends of said supporting means so that a sling can extend from inside a tall mast and around the sheaves to anchor points on the back side of that mast when it is desired to raise a tall mast instead of a short one.

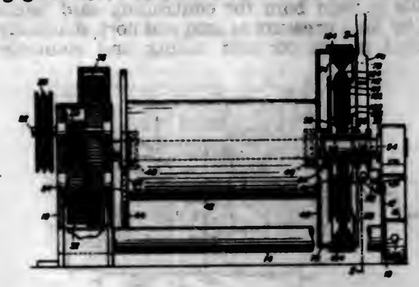
2,570,902

CLUTCH FOR POWER WINCHES

Edward B. Yonecaki, Buffalo, N. Y.

Application November 28, 1947, Serial No. 788,445
3 Claims. (Cl. 192—76)

1. In a power winch including a reel freely rotatably mounted on a driven shaft and having a drum at one end, a clutch plate having guides thereon and carried by said driven shaft and disposed within said drum, clutch shoes slidably mounted on said guides, means to force said shoes outwardly into contact with said drum comprising a collar longitudinally slidable on said shaft, an annular shoulder on said collar, bearing members having elongated curved surfaced portions and grooves to receive the shoulder, members having grooves to receive said curved surfaced por-



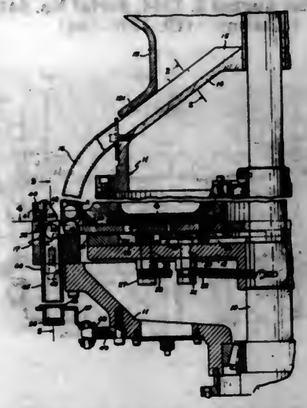
tions and having threaded shanks, blocks adjustably mounted on the shanks, shoes pivotally mounted on the blocks, said last-named shoes having grooves opposite said blocks, elongated bearings received in the last-mentioned grooves and engaging said clutch shoes and means to bias said clutch shoes into retracted positions.

2,570,903

ARTICLE FEEDING MEANS

Kenneth J. Yost, Westport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application January 15, 1947, Serial No. 722,251
10 Claims. (Cl. 198—33)



6. Apparatus for orienting gravimetrically asymmetric articles into uniform positions comprising an orienting block having therein spaced upwardly facing article rotation controlling supports upon which an article rests while freely rotating without substantial translation about an axis determined by said supports, and passages for receiving and guiding articles after rotation upon said supports.

2,570,904

BUFFING COMPOUNDS

Clarence B. F. Young, Leonia, N. J., assignor to National Southern Products Corporation, a corporation of Delaware

No Drawing. Application January 24, 1949, Serial No. 72,539
6 Claims. (Cl. 51—293)

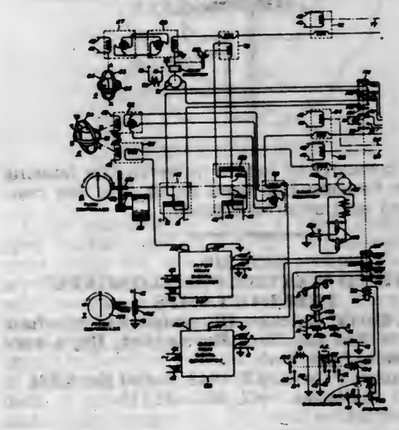
5. In a buffing compound, an abrasive, a vehicle consisting essentially of a mixture of a higher saturated fatty acid and tall oil, the tall oil varying from one-third by weight the amount of the saturated fatty acid to an amount equal thereto, and said vehicle having a titer of from 40° to 45° C.

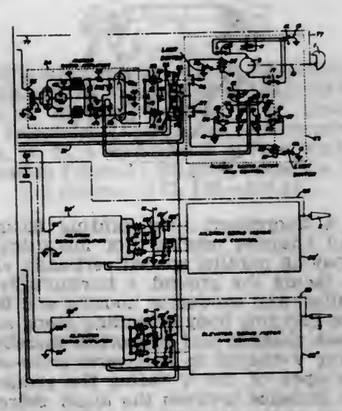
2,570,905

AUTOMATIC PILOT

Charles M. Young and Robert L. Wanamaker, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application March 19, 1945, Serial No. 583,530
18 Claims. (Cl. 244—77)





1. In an automatic steering device for aircraft, an azimuth position-maintaining means, said position-maintaining means being subject to an error dependent upon the azimuth position and angle of bank of said aircraft, a signal generator actuated by said position-maintaining means, means for modifying the output signal of said signal generator in accordance with the azimuth position and angle of bank of said aircraft to correct for said error, and means for controlling the rudder of said aircraft in accordance with said output signal.

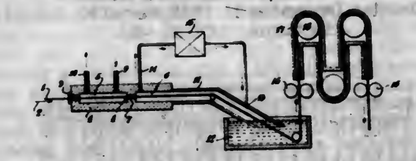
7. In an automatic pilot for stabilizing an aircraft in flight, normally balanced rudder, aileron and elevator control devices, means for unbalancing said control devices in accordance with displacement of said aircraft about the turn, bank and pitch control axes, rudder, aileron and elevator servomotor means associated with said control devices for actuating the rudder, aileron and elevator control surfaces of said aircraft in response to an unbalanced condition of said control devices whereby to stabilize the aircraft about the turn, pitch and bank axes, signal adjusting means associated with each of said rudder, aileron and elevator control devices for changing the balance of said control devices independently of the attitude of said aircraft about said control axes, means for actuating said signal-adjusting means in accordance with the output of their associated control devices for balancing said control devices to obtain automatic synchronization thereof, switching means for transferring control of said signal adjusting means from their associated control devices to a turn controller, a pitch controller, and a bank-adjusting device, and means operated by said switching means for disabling said servomotor means while signal adjusting means are synchronizing said control devices.

2,570,906

PROCESS FOR COATING METALLIC OBJECTS WITH OTHER METALS

Michel Alferieff, Algorta, Guecho, Spain

Application December 21, 1946, Serial No. 717,773
In Spain July 31, 1946
10 Claims. (Cl. 117—51)



1. A process of coating metallic bodies with a metal selected from the group consisting of aluminum, zinc, lead, cadmium and tin which comprises heating the said bodies to a temperature within the range 1470°–1670° F. in the presence of a reducing atmosphere consisting predominantly of hydrogen and containing from 2 to 30% water vapor, then expelling occluded gases from said bodies by heating them to at least the temperature attained in said first heating step while in direct contact with an inert atmosphere consisting predominantly of nitrogen, and while maintaining said bodies wholly protected by an inert atmosphere consisting predominantly of nitrogen and substantially free from water vapor, cooling them to a temperature not exceeding the temperature of the molten bath of the coating metal, and then passing them into said coating metal bath.

2,570,907

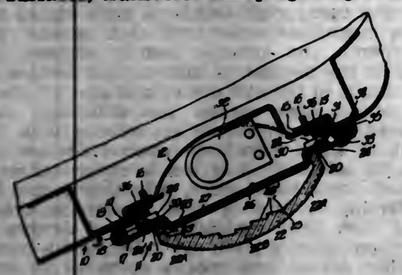
CAR LIGHTING STRUCTURE

Albert L. Arenberg, Highland Park, and Edward C. Zimmerman, Winnetka, Ill., assignors to Patent License Corporation, Chicago, Ill., a corporation of Illinois

Application April 12, 1947, Serial No. 741,122
2 Claims. (Cl. 240—7.35)

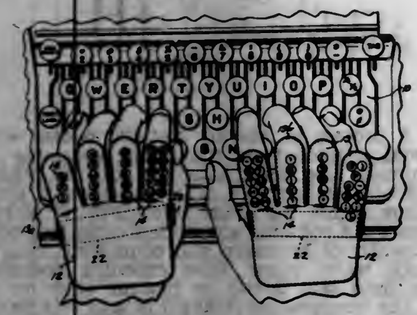
1. A lighting unit comprising an elongated support having an elongated opening, a plurality of hollow trough-like light transmission sections each of a length less than that of the support, said sections being mounted in said opening and having means engaging said support to sustain the sections thereon in close end-to-end relation to one another, each of said sections hav-

ing longitudinally extending side walls and parallel transverse end walls integrally connecting the side walls to define the hollow interior thereof, said end walls having upwardly facing clamping surfaces, transverse clamping straps extend-



ing across said support in downward clamping relation to the clamping surfaces of adjacent end walls of successive sections, and means to fixedly secure the ends of said straps to said support to hold said sections against displacement therefrom.

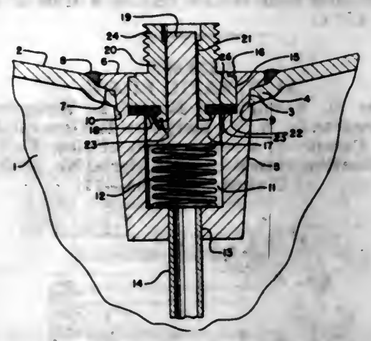
2,570,908
INDICATOR TO BE WORN ON THE HANDS WHILE LEARNING TO TYPEWRITE
Lee J. Behr, Bridgeport, Conn.
Application December 28, 1949, Serial No. 135,461
5 Claims. (Cl. 35—5)



1. An article of manufacture for self-instruction in manual operations, comprising a member adapted to be secured to the back of a user's hand including separate extensions for overlying at least a portion of the fingers employed in the operation, indicia on each extension for instructing the user as to the purpose and manner of using the associated finger, and means holding said extensions in position to permit unhindered movement of the user's fingers.

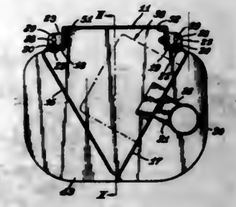
2,570,909
CONTAINER VALVE FITTING
George A. Benson, West Englewood, N. J., and John Coyle and William F. Punte, Baltimore, Md., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application May 27, 1946, Serial No. 672,644
2 Claims. (Cl. 285—49)

1. In combination with a fixed container end having an inner resilient edge, a valve housing having an end flange and a shallow peripheral groove adjacent the flange, said housing being proportioned to fit into the container end with the groove resiliently receiving and retaining the edge of the said end, and an upstanding lip on the inner upper edge of the housing adapted to



be bent inwardly to lock a valve in the housing after the housing has been fitted into the container end and secured therein.

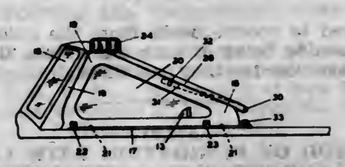
2,570,910
LIGHTING FIXTURE FOR ELONGATED TUBULAR LAMPS
Robert I. Berry, Chicago, Ill., assignor of one-half to Jewel Tea Co., Inc., Barrington, Ill., a corporation of New York
Application February 2, 1948, Serial No. 5,784
2 Claims. (Cl. 240—51.11)



2. In a fluorescent tube lighting fixture, an elongated channel member for mounting on a ceiling having parallel spaced vertically extending legs facing the ground, a horizontally elongated ballast and conductor housing and fluorescent tube-carrying body extending along and beneath said channel and supported thereby, said body being V-shaped in transverse cross-section, with the apex of the V facing the ground and with the distance between the upper extremities of the legs of the V at the base thereof greater than the width of said channel, each of said inclined legs of said body having inwardly extending flanges forming continuations thereof, the inner ends of which terminate adjacent the legs of said channel, means detachably securing said body to the legs of said channel for opening for access to the interior thereof from either side thereof including a plurality of longitudinally spaced hinge elements secured to and extending upwardly from the flanges of said body, a plurality of longitudinally spaced laterally extending hinge elements secured to and extending outwardly from the legs of said channel in position to cooperate with said upwardly projecting hinge elements, releasable hinge pins connecting said hinge elements together, and closure means for the ends of said body, secured to the ends of said channel and depending therefrom along said body beneath the lower limits thereof, said closure

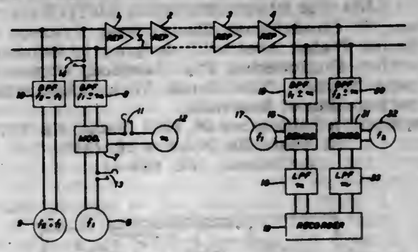
means being confined within the limits of said channel in the region thereof and extending outwardly therefrom beneath the lower margins of said channel and beyond the extremities of the legs of said body distances sufficient to maintain the ends of said body closed when hinged for access to the interior thereof from either side thereof.

2,570,911
BOAT TOP
Otis T. Birdlebough, Naches, Wash.
Application April 1, 1947, Serial No. 738,531
2 Claims. (Cl. 9—1)



1. In combination with a boat including an open cockpit and an inclined windshield, trackways along the sides of said cockpit, side members including transparent portions, slidable in said trackways, said side members being of generally triangular configuration with the forward leg thereof closely abutting the ends of said windshield in forward position, and the rear leg thereof tapering to substantially the level of the boat deck, a cover extending over said side members, and means supporting the rear extremity of said cover above the rear extremities of said side pieces.

2,570,912
METHOD AND MEANS FOR LOCATING NON-LINEARITIES IN INACCESSIBLE CABLES
Walter M. Bishop, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1950, Serial No. 143,493
3 Claims. (Cl. 179—175.31)



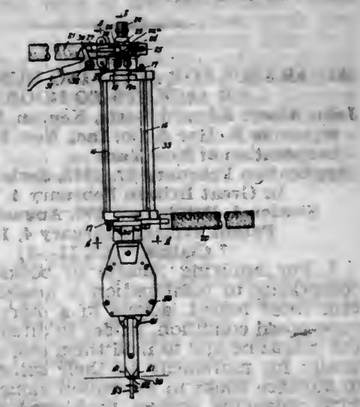
1. The method of testing an electrical cable to determine the location of a section of the cable having a non-linear transmission characteristic which comprises supplying to the sending end of the cable a first electromagnetic carrier wave modulated in accordance with a low frequency and a second electromagnetic carrier wave, so that said waves will intermodulate in said section of the cable to produce a third modulated carrier wave having a velocity of transmission through the cable differing from the velocity of the first modulated wave, respectively selecting and demodulating at the receiving end of the cable both said modulated waves, indicating both the low frequency waves produced by such demodulation, interrupting the supply of said first wave to the cable, and measuring the time interval between the cessations of the receipts of said low frequency waves, to determine from said time interval the distance to said section of the cable.

2,570,913
TOY FILM VIEWER
Meyer M. Brown, New York, N. Y.
Application September 22, 1948, Serial No. 50,522
10 Claims. (Cl. 40—71)



1. A toy film viewer comprising in combination a substantially rectangular box shaped to simulate the cabinet of a television set, the rear wall of said cabinet being open, a lens mounted in an opening of the front wall of said cabinet substantially flush with said wall, a substantially rectangular cover member, clamping means on the cover member and receiving means on a wall of said cabinet engageable one with the other for removably attaching the cover member to the cabinet, the top wall of the cabinet being recessed to provide a slot between the cabinet and the attached cover member, said cover member including a window positioned in optical alignment with said lens, a substantially circular film disc having a center hole and a plurality of transparent pictures thereon spaced about said center hole, support means extending into the cabinet from the front wall thereof, and a pivot pin protruding from said support means for rotatably supporting the film disc in a position in which a marginal portion thereof protrudes from said slot and in which different pictures are placed in optical alignment with the lens and the window in response to a rotation of the disc, said support means forming an abutment for a film disc placed on the pivot pin, said lens being focused upon a film disc placed on the pivot pin.

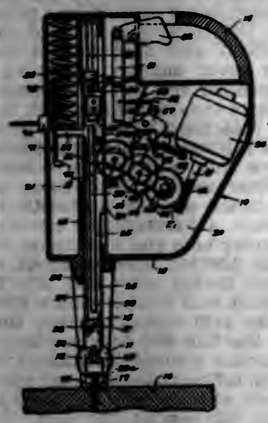
2,570,914
NAIL PULLER
Clarence N. Buck, Chicago, Ill.
Application February 27, 1948, Serial No. 11,389
11 Claims. (Cl. 254—18)



5. In a nail puller, a support member for engaging a workpiece, means for reciprocably

mounting a pair of jaws for gripping a nail in the workpiece, said means being so constructed and arranged as to permit said jaws to move to a position extending beyond the end of the support member into the workpiece around the nail to lift the support from contact with the workpiece a distance substantially in excess of the normal penetration of the jaws in the workpiece, means for driving the jaws to said position from a retracted starting position, said last mentioned means also driving the support into contact with the workpiece to develop an inertial movement preliminary to applying withdrawing movement of the jaws upon the nail.

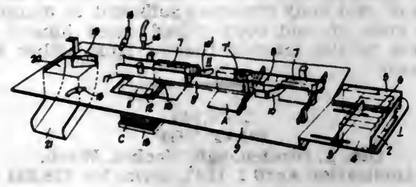
2,570,915
NAIL PULLER
Clarence N. Buck, Mount Prospect, Ill.
Application December 29, 1948, Serial No. 67,810
15 Claims. (Cl. 254—18)



1. In a nail puller the combination including a supporting foot, a slideway extending downwardly and terminating near the bottom of the foot, a movable bar riding in said slideway, and an opening in the side of said foot opposite from said slideway, said opening connecting with said slideway and allowing splinters and chips to fall out of said slideway without interfering with the action of said bar.

2,570,916
APPARATUS FOR APPLYING DUST COVERS OR JACKETS TO BOOKS
John Albert Edward Burls, Kenton, England, assignor to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application February 27, 1948, Serial No. 11,805
In Great Britain February 4, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires February 4, 1967
7 Claims. (Cl. 11—1)

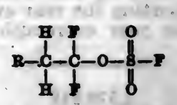
1. For applying jackets to books, apparatus comprising in combination a magazine to contain twice folded jackets in a more or less flat superposed condition, guides to direct books over the magazine and to hold them more or less vertically for movement on their spines, a pusher to advance books in succession along the guides, cover engaging devices positioned to open the back and front covers of the books as they pass toward the magazine, means to direct air toward the top jacket in the magazine, that the covers of each book will enter the folds of a jacket as the books reach the magazine, and an opening



arranged to receive books from the guides, the said opening being of such dimensions that the books are closed as they pass through it.

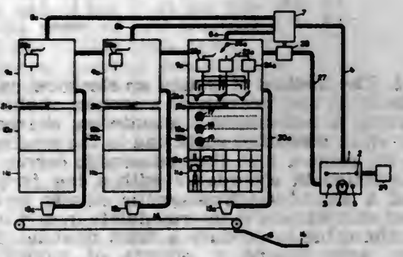
2,570,917
METHOD OF FUMIGATION WITH 1,1-DIFLUOROETHYLFLUOSULFONATES
John Douglas Calfee, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 3, 1949, Serial No. 108,411
7 Claims. (Cl. 167—22)

1. In a process for combatting pest organisms by fumigation, the step which comprises contacting such organisms with the vapor of a 1,1-difluoroethylfluosulfonate having the general formula:



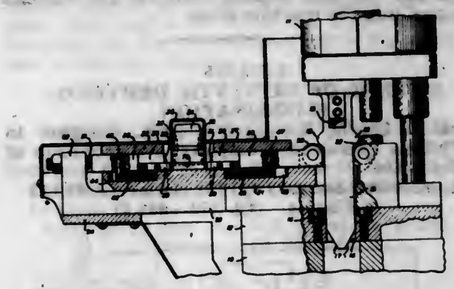
wherein R is a member selected from the group consisting of a hydrogen atom and a chlorine atom.

2,570,918
METHOD OF SELECTIVELY COLLECTING AND/OR DISTRIBUTING ARTICLES
Georg F. Chodziesner, Bondi, near Sydney, New South Wales, Australia, assignor to Communication Engineering Pty. Limited, Cammeray, near Sydney, New South Wales, Australia, a corporation of Australia
Application September 30, 1947, Serial No. 777,094
In Australia October 16, 1946
6 Claims. (Cl. 186—1)



1. A system for dispensing articles of different kinds from storage, said system comprising a control station for selecting articles for separate individual orders; storage bins arranged in groups for the storage of articles; indicating devices associated with each of said groups of storage bins and including a plurality of indicating means for each bin each of said indicating means indicating the sequence of orders of desired articles; switching means and electrical connections therefrom to said indicating means and said control station to indicate simultaneously the desired articles for consecutive orders; means operable to indicate when all of the selected articles have been taken to complete an order; and conveying means to convey said selected articles to a delivery position.

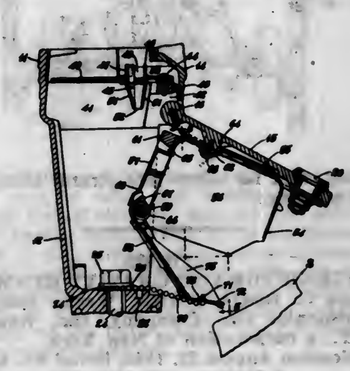
2,570,919
NOTCHING AND EMBOSSING PUNCH AND DIE
Harry W. Clifford, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1947, Serial No. 788,414
2 Claims. (Cl. 164—15)



1. An apparatus for forming the open end of an article, such as a container, the apparatus comprising a support, a mandrel to support an article to be formed mounted on the support and having forming portions, units carrying forming tools on portions disposed on opposite sides of the mandrel and mounted on the support for movement relative to each other and the mandrel, a cam engaging member on one of the units spaced from the tool mounted thereon, a slide on the support having a projection to engage the other unit and a cam engaging member positioned adjacent the other cam engaging members, and a single cam reciprocable between the cam engaging members to push one of the forming units toward the mandrel to cause the forming tool thereof to cooperate with its respective forming portion of the mandrel to form a portion of the article and simultaneously move the slide to pull the other forming unit toward the mandrel to cause the forming tool thereof to cooperate with its forming portion of the mandrel to form another portion of the article.

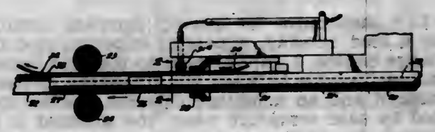
2,570,920
PARKING METER COIN DISCHARGE GUIDING CONSTRUCTION
Charles A. Clough, Massillon, Raymond T. Trier, North Canton, and Robert D. Murphy, Canton, Ohio, assignors to The Superior Switchboard & Devices Company, Canton, Ohio, a corporation of Ohio
Application June 4, 1949, Serial No. 97,118
23 Claims. (Cl. 232—16)

1. In a parking meter having a housing providing an upper meter mechanism compartment and a lower coin storage compartment, a partition wall between said compartments, a tapered chute formed in said partition wall and adapted to guide coins normally discharged from the meter mechanism in a narrow path into said coin storage compartment, an outer door hinged on said meter compartment having lower portions swinging past the sides of said chute, the top of said chute being open at one side, and an inner projection on said door for cooperating with the open side



of said chute to guide into the chute coins discharged at a point laterally of the normal discharge point in the meter mechanism.

2,570,921
ELECTRONIC HEATING OF MATERIALS
Fred V. Collins, Des Plaines, Ill., assignor to William F. Stahl, Kenilworth, Ill.
Application December 16, 1947, Serial No. 792,064
1 Claim. (Cl. 154—126.5)



The method of forming plastic tubing of thermoplastic sheet stock of low power factor comprising the steps of folding the sheet stock into the form of a tube with overlapping edge portions, providing a layer of thermo-setting plastic material of high power factor on at least one of the outer walls of the overlapping edge portions while directing high frequency radio waves therethrough to effect the fusion and weld of the overlapping edge portions, and separating the high power factor material from the welded product.

2,570,922
ANTISKID DEVICE
Charles W. Dart, York, Pa., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application November 17, 1948, Serial No. 60,515
6 Claims. (Cl. 152—243)

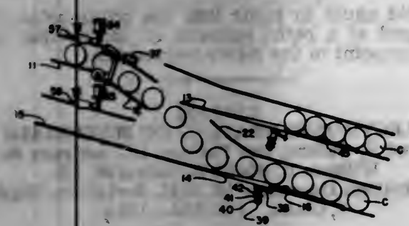
1. In a tread assembly for anti-skid devices of the type including a center link and a plurality of tread chains extending therefrom, a center link having a pair of openings, and a chain link

having a substantially oval configuration linked thereto by passage of one side strand through one



opening, and its other side strand through the other opening.

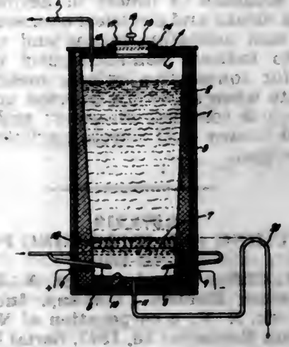
2,570,923
DISTRIBUTOR FOR GRAVITY RUNWAYS
Thomas C. Dodge, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application August 29, 1946, Serial No. 693,702
2 Claims. (Cl. 193—39)



1. A distributor for gravity runways comprising a feed runway, a pair of superimposed discharge chutes, a gate pivoted to the feed runway and oscillatable between the discharge chutes, a solenoid and an armature therefor, means operated by said armature when the solenoid is energized, for lifting and holding the gate in an inclined raised position for delivery of articles from the feed runway to the upper discharge chute, a switch operated by an accumulation of articles in the lower discharge chute for energizing the solenoid, a second switch operated by an accumulation of articles in the upper discharge chute for de-energising the solenoid and a third switch operated by upward movement of the gate to bypass current to the solenoid around said second switch.

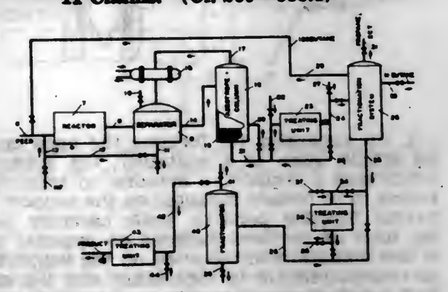
2,570,924
METHOD OF PRODUCING PHOSPHORUS OXYCHLORIDE
Paul Dupont, Paris, France, assignor to Societe Anonyme des Manufactures des Glaces et Produits Chimiques de Saint-Gobain, Chauny & Cirey, Paris, France
Application May 14, 1947, Serial No. 748,089
In France August 16, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 16, 1964
3 Claims. (Cl. 23—203)

1. The method of preparing phosphorus oxychloride that comprises maintaining commingled calcium phosphate and carbon above a pool of molten $CaCl_2$, passing an electric current through the said pool to maintain it at a temperature



circa 800° C., and passing chlorine gas through the pool into the reaction mass.

2,570,925
METHOD OF CATALYTIC DEHYDROFLUORINATION
Jack F. Eberle, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 4, 1949, Serial No. 69,113
11 Claims. (Cl. 260—683.4)

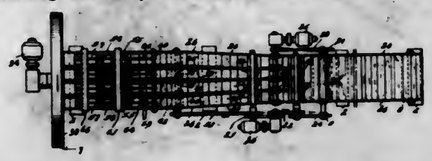


1. A process for treating an organic material to remove organically combined fluorine therefrom, which comprises subjecting an organic material containing organically combined fluorine to the action of a defluorinating catalyst comprising at least one metal between magnesium and silver, both inclusive, in the electromotive force series admixed with a material obtained by calcining a mixture of a strong inorganic acid having a relatively non-volatile anhydride and the reaction product of said metal with said acid, which catalyst is active under the conditions of treatment in effecting decomposition of organic fluorine compounds.

2,570,926
MACHINE FOR MAKING FLEXIBLE WOOD FILAMENTS
Armin Elmendorf, Winnetka, Ill.
Application November 1, 1946, Serial No. 707,224
1 Claim. (Cl. 144—185)

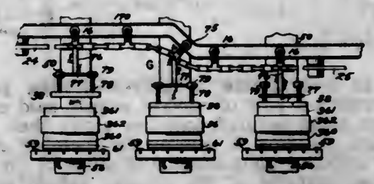
In a machine for manufacturing flexible wood fibers, a vertical rotatable wheel-like member having thereon, on the front face thereof, many short radial slicing blades distributed angularly along the periphery, an anvil means close to the paths of the cutting edges of the blades, said

anvil means spanning the distance between a few of the lowermost blades, a long work support in front of the anvil, said work support comprising three horizontal table sections arranged end to end, endless conveyors arranged lengthwise of said support and each embracing one of the endmost sections of the work support and having its upper run overlying the corresponding section, saws under the intermediate



section and projecting up through the same to divide a mat of veneers on said support into a plurality of narrow mats, devices to apply a constant yieldable pressure on the top of the veneers adjacent to the saws and above the anvil means, means to rotate said member and said saws, and means to drive the conveyors continuously in the direction to carry the work to said wheel-like member.

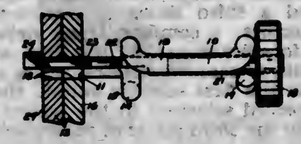
2,570,927
WEIGHT CARRYING CONVEYER FOR FOUNDRIES
Harrison E. Fellows and Maurice O. Holtan, Milwaukee, Wis.; said Holtan assignor to said Fellows
Application May 14, 1948, Serial No. 27,038
7 Claims. (Cl. 22—20)



2. In a device of the character described, the combination with a mold handling conveyor and a weight handling conveyor, the two conveyors having a plurality of parallel runs, of mold carriers movable with the mold handling conveyor, weight carriers movable with the weight handling conveyor, the two conveyors being provided with means for their operation in synchronism, and weights having vertically engageable and disengageable hooks for detachable connection with the respective weight carriers, one of the parallel runs at each point where said runs are parallel being provided with means for effecting relative vertical movement between said carriers for the transfer of a weight from one to the other.

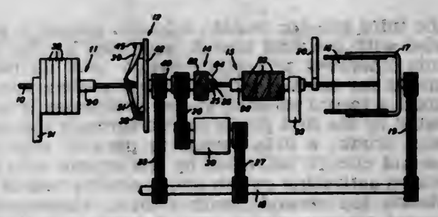
2,570,928
LOCKING DEVICE FOR TEMPORARY CLAMPING TOGETHER TWO OR MORE PIECES OF SHEET METAL
Mark Fisher, Coventry, Warwickshire, England, assignor to A. T. S. Company Limited, Belgrave Square, England, a British company
Application February 16, 1948, Serial No. 8,596
In Great Britain March 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 7, 1964
2 Claims. (Cl. 85—5)

1. A clamping device comprising a locking pin having screw threads formed on one end portion thereof and a laterally extending locking abutment at the other end thereof, an abutment element surrounding said pin and being formed of a length of wire bent to form two spaced axially aligned loops surrounding said pin at spaced points and being connected by an integral bridge portion, the outer face of the loop adjacent the abutment end of said pin forming a clamping surface for cooperation with said laterally extending abutment, a guide pin formed of an integral ex-



tension of the end of one of said loops and arranged parallel with and closely adjacent the abutment end of said pin, said pin and abutment element having interlocking parts for preventing rotation of said pin in said locking element but permitting axial movement of said pin within said abutment element, and a locking nut threaded on the threaded end of said locking pin and engaging the outer face of the adjacent loop of said abutment element.

2,570,929
APPARATUS FOR TAPING CORES
Hugh Fitch, Williamsville, and Randall Gillis, Snyder, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 23, 1949, Serial No. 129,072
6 Claims. (Cl. 57—6)

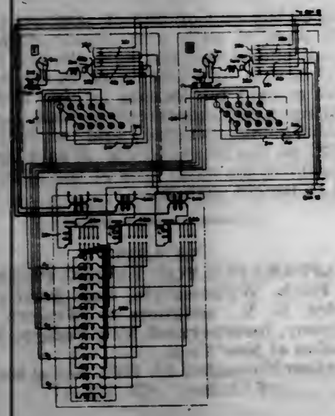


1. An apparatus for applying tape longitudinally to cable core moving in a fixed path and rotating about its own axis, the apparatus comprising a tape wrapping guide mounted coaxially with the cable path, means for mounting a pad of tape for rotation about the wrapping guide, means for guiding the tape from the pad to the wrapping guide, and means for rotating the pad mounting and the wrapping guide at the speed of rotation of a cable to be taped.

2,570,930
AUTOMATIC PHONOGRAPH SYSTEM
Frank C. Filo, Cleveland, and Arthur Paul Marcus, Cleveland Heights, Ohio, assignors to The Markepp Co., Inc., Cleveland, Ohio
Application March 8, 1947, Serial No. 733,313
3 Claims. (Cl. 177—353)

1. In combination with a phonograph selector mechanism, a record selector circuit, comprising a first source of electric power; a first circuit connected thereto and including a first coin operated circuit activating switch, a multiple positioned selector switch, a normally open power

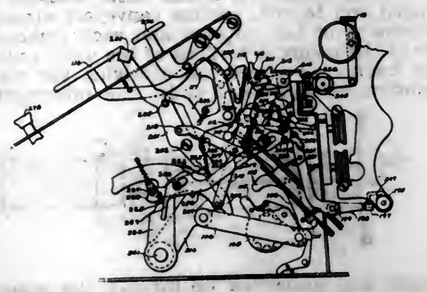
switch, and a first series of electro-magnetic record selectors; a second source of electric power; a second circuit connected thereto and including a second coin operated circuit activating switch, a multiple positioned selector switch, a normally open power switch and a second series of electro-magnetic record selectors; a third source of electric power; a third circuit connected thereto and including a third coin operated circuit activating switch, a multiple positioned selector switch, a normally open power switch and a third series of electro-magnetic record selectors; a common trunk network, alternately forming a part of the first, second or third circuit, to connect the first series of record selectors to the first selector switch, the second series of record selectors to the second selector switch; and the third series of record selectors to



the third selector switch; a fourth circuit in parallel with the first circuit, activated by the first coin operated activating switch and including means for closing the first power switch, whereupon a record selector of the first series is activated by the first power source through the common trunk; a fifth circuit in parallel with the second circuit, activated by the second coin operated activating switch and including means for closing the second power switch, whereupon a record selector of the second series is activated by the second power source through the common trunk; and a sixth circuit in parallel with the third circuit, activated by the third coin operated activating switch and including means for closing the third power switch, whereupon a record selector of the third series is activated by the third power source through the common trunk.

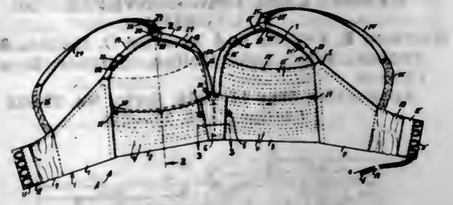
2,570,931
PRINTING TABULATING MECHANISM
Howard M. Fleming, West Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application November 10, 1949, Serial No. 126,499
11 Claims. (Cl. 197—177)

1. In a printing tabulating mechanism, the combination with a stationary frame, a power urged tabulating carriage having spaced stops and spaced control devices associated therewith, a locator detent stationary relatively to said carriage and capable of limited movement to engage said stops and of independent limited movement parallel to tabulating direction, a pivoted lever for disengaging said detent from said stops, and a spring urged normally disengaged latch for said lever, of a finger movable with said latch and mounted for independent movement with said detent and cooperable with



said spaced control devices for releasing said latch to permit reengagement of said detent with a selected spaced stop.

2,570,932
BRASSIÈRE
Esther S. Floerchinger, University City, Mo.
Application September 2, 1948, Serial No. 47,355
2 Claims. (Cl. 2—42)

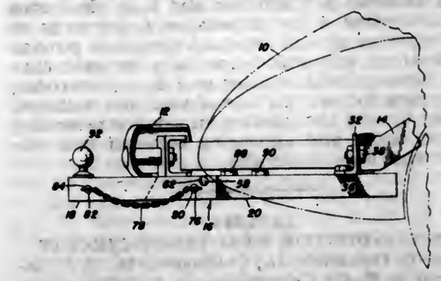


1. In a brassière, a body-encircling portion comprising a pair of central panels, said central panels being secured together along their inner vertical margins, a reinforcing member overlyingly disposed upon the line of union of the inner vertical margins of the central panels and secured thereto, said reinforcing member being provided on its side margins with a plurality of outwardly projecting loop members, a side panel secured to each central panel, said side panels each having a tab portion provided with a plurality of loops, and lace means for threading through the loops to maintain the brassière about the wearer's body, the free ends of said lace means being brought forwardly about the body-encircling portion and being threaded through the loop members on the reinforcing member whereby said lace means are prevented from slipping off the brassière.

2,570,933
TRAILER HITCH
Ernest E. Febes, West Middlesex, and Ralph P. Rutter, Greenville, Pa.
Application March 5, 1948, Serial No. 13,296
5 Claims. (Cl. 280—33.44)

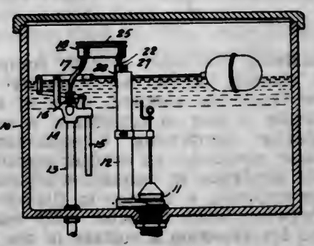
4. A trailer coupling device comprising a first section and a second section, means for securing said first section to the frame of a vehicle for longitudinal adjustment with respect to the frame, opposed bevelled faces on said first and second sections, parallel arms extending from the edges of the bevelled face of one of said sections adapted to be slidably engageable with the sides extending from the face of the other of said sections, aligned apertures in said arms and in

said other section, and a removable locking pin extending through said apertures for connecting said first and second sections, notches in the said arms, laterally extending lugs mounted on the



sides of said other section adapted to be engageable in said notches, and means on said second section for coupling said second section to a trailer.

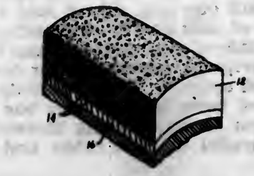
2,570,934
TOILET DEODORIZER
Charles T. Foster, Overland, Mo.
Application May 9, 1947, Serial No. 746,999
2 Claims. (Cl. 4—228)



1. A deodorizer for water closet flush tanks of the high or low type or the like including the usual water supply and afterfill flushing and valve and overflow pipes mechanisms, said deodorizer comprising a container for cake type of deodorizing material so shaped as to provide spaces beyond the peripheral edges of a deodorant cake when placed therein, a cover for the top of said container substantially sealing the same as a closure for the deodorant cake, inlet conduit connecting means between the bottom of the container communicating therewith in one of said spaces beyond the peripheral edges of the cake and the afterfill of the water supply valve of the flush tank, an outlet pipe of substantially larger diameter than that of said inlet conduit extending downwardly from the deodorant container communicating therewith in another of said spaces beyond the peripheral edges of the deodorant cake, and a vertically adjustable clamp on the outlet pipe below the container for securing the outlet pipe in the flush tank overflow pipe with the deodorant container in a vertically adjusted position above the same.

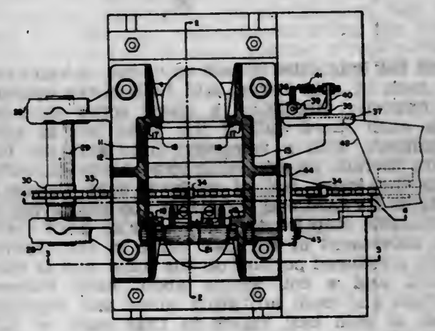
2,570,935
SPINNING COT
Abraham L. Freedlander, Dayton, Ohio, assignor to The Dayton Rubber Company, a corporation of Ohio
Application October 25, 1946, Serial No. 705,733
4 Claims. (Cl. 19—143)

1. As a new article of manufacture, a fiber drafting roll comprising a mandrel, a vulcanized rubber-like fiber-contacting cover layer mounted upon said mandrel, particles of finely divided material homogeneously dispersed in said cover layer and distributed in a spaced manner between said mandrel and the surface of the cover, said material having a dielectric constant different



from that of the rubber-like material, and a plurality of minute pores distributed over the surface of said layer said pores being formed by irregular fissures extending through said cover layer along a path created by particles of said finely divided material.

2,570,936
FEEDER FOR FLATTENED CAN BODIES
William Furminger, Seattle, Wash., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 29, 1945, Serial No. 637,885
6 Claims. (Cl. 214—8.5)

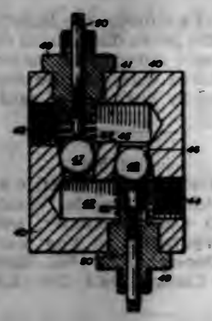


1. A machine for feeding flattened can bodies, comprising a chute for holding a vertical stack of horizontally arranged flattened can bodies, a recessed chute wall, an inwardly sloping wedge beneath the recessed wall, the opposite chute wall having a shoulder sloping outwardly and downwardly from the horizontal plane of the base of said wedge, rails spaced beneath the level of said shoulder for holding the lowermost can body horizontally, said can body supporting the immediately superior bodies in inclined position each with an edge against the shoulder and an opposite edge on the wedge, and a movable conveyer for conveying said lowermost body from beneath the stack in a direction at right angles to the vertical plane in which the can bodies are tilted.

2,570,937
VALVE FOR FLUID-PRESSURE SYSTEMS
Frederick Gash, Carlisle, England, assignor to William Coulthard & Company Limited, Carlisle, England, a British company
Application February 23, 1949, Serial No. 77,851
In Great Britain February 11, 1948
1 Claim. (Cl. 277—61)

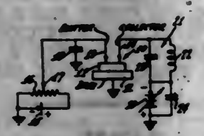
A two-way pressure fluid system comprising two conduits through which pressure fluid flows

alternately from one to the other and valve means connecting said conduits together, said valve means including a rectangular shaped valve box having two short sides and two long sides, two relatively spaced cavities in said valve box parallel to each other and parallel with the short sides of said valve box, one of said cavities extending toward one long side of said valve box and the other of said cavities extending toward the other long side of said valve box and the outer end of each cavity having means for connecting it to one of said conduits, two oppositely tapered relatively spaced bores in said valve box between said cavities and communicating therewith, said bores being parallel to each other and parallel



with the long sides of said valve box, a ball valve in each of said bores, said ball valves opening in opposite directions, a gland screw-threaded into each short wall of the valve box in axial alignment with a respective bore and the ball valve therein, an adjusting screw screw-threaded into the inner end of each of said glands so that its forward end is adjacent to and forms an adjustable stop for the ball valve to limit opening movement of the ball valve in the tapered bore, a reduced portion on the inner end of each gland, and a coil spring about each reduced portion and each adjusting screw and engaging each of said ball valves to urge each of said ball valves into closing position within its respective bore.

2,570,938
VARIABLE REACTANCE TRANSISTOR CIRCUIT
Hunter C. Goodrich, Jr., Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 24, 1950, Serial No. 170,088
13 Claims. (Cl. 332—29)



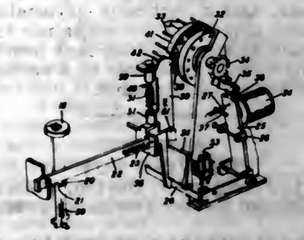
1. A variable reactance circuit comprising a semi-conductor device including a semi-conducting body, a base electrode, an emitter electrode and a collector electrode in contact with said body, means for applying a bias voltage in the forward direction between said emitter and base electrodes and for applying a bias voltage in the reverse direction between said collector and base electrodes, a controlled resonant circuit coupled between said collector and base electrodes, an impedance element connected directly between said emitter and base electrodes and presenting a low impedance to currents at the frequency of said resonant circuit to provide an electrical low-impedance path for said currents between said emitter and base electrodes, and means for varying one of said bias voltages, thereby to vary the reactive impedance presented by said device and appearing between said collector and base electrodes.

2,570,939
SEMICONDUCTOR REACTANCE CIRCUIT
Hunter C. Goodrich, Jr., Collingsworth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 23, 1950, Serial No. 181,073
13 Claims. (Cl. 332—29)



1. A variable reactance system comprising a resonant circuit having an inductive and a capacitive reactance element, each of said elements having a pair of terminals, a semi-conductor device comprising a semi-conducting body, a base electrode, an emitter electrode and a collector electrode in contact with said body, means for applying a voltage in the reverse direction between said collector and base electrodes and for applying a voltage in the forward direction between said emitter and base electrodes, means connecting one terminal of each of said elements together, means coupling the other terminals of said elements respectively to said emitter and base electrodes, means coupling said collector electrode to one of said reactance elements, and means for varying the voltage applied between said emitter and base electrodes, thereby to vary the frequency of said resonant circuit.

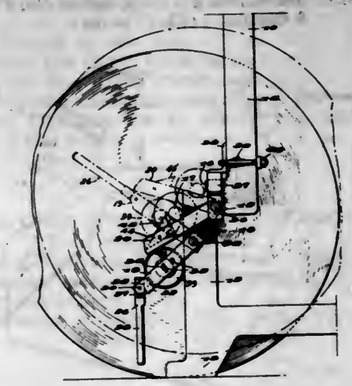
2,570,940
KEY SEQUENCE INDICATING KEYSET
Harold W. Goff, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1947, Serial No. 765,171
2 Claims. (Cl. 177—380)



1. An operator's keyset comprising in combination with non-locking operable keys, a plurality

of circularly supported rotatable rods, each rod mounting thereon a displaceable indicator for each of said keys, all the indicators for the same key on the different rods being normally in alignment with each other, a shield for each aligned group of indicators covering said indicators from view in their normal position, means responsive to the operation of one of said keys for rotating said rods one step and for displacing outside of the shield an indicator in the group of indicators appertaining to said operated key, thereby to expose said displaced indicator to view in alignment with said operated key, said means being responsive to the subsequent operation of another one of said keys for rotating said rods another step and for displacing outside of the shield an indicator in the group of indicators pertaining to said subsequently operated key, thereby to expose said latter displaced indicator to view in alignment with said subsequently operated key, the position on its rod of said last displaced indicator relative to the position on its rod of said first displaced indicator indicating the sequence in which said first and second keys were operated.

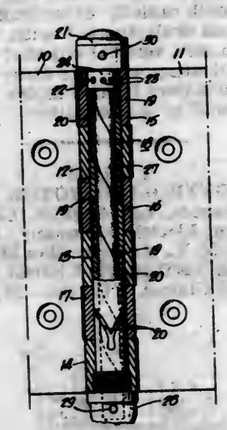
2,570,941
MECHANICAL LIFTING DEVICE
William M. Grigsby, Richmond, Va., assignor to American Paper Co., Inc., Richmond, Va., a corporation of Virginia
Application April 13, 1949, Serial No. 87,255
5 Claims. (Cl. 242—58)



1. A mechanical lifting device operable to lift a shaft to a supporting framework comprising a frame member having a shaft-receiving bearing, a lever pivotally mounted on said frame member below said shaft-receiving bearing and having a shaft-supporting portion and a bearing portion, a second lever pivotally mounted on said frame member below said first mentioned lever and carrying a roller thereon adapted to contact said bearing portion, and handle means for pivoting said second lever about its pivot to raise said first mentioned lever upwardly and lift a shaft into said shaft-receiving bearing.

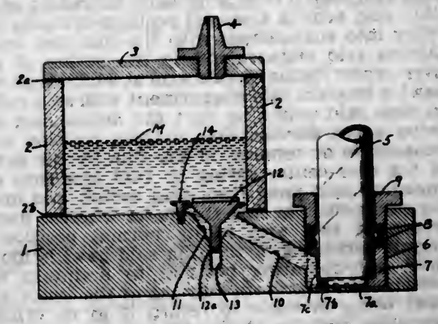
2,570,942
AUTOMATIC PINTLE OILER
Harry J. Hadfield, Philadelphia, Pa.
Application October 12, 1947, Serial No. 779,440
9 Claims. (Cl. 16—161)

1. A device of the character described, comprising a first rotatable structure, a second rotatable structure, a hollow pintle connecting said structures, and a radially contractible element normally filling the bore of said pintle, opposite ends of said contractible element being secured respectively to said structures whereby relative



rotation of the structures on the pintle produces circumaxial distortion and contraction, and at least one lubricant passage connecting the bore of the pintle and the outer surface of said pintle, said passage being normally closed by the contractible element.

2,570,943
VACUUM GAUGE
Edward C. Hass, Prince Georges County, Md.
Application September 29, 1950, Serial No. 187,592
4 Claims. (Cl. 73—401)



1. In a vacuum gage, the combination of a flat base plate having a vertical cylindrical bore formed in the upper face thereof and extending downwardly to a point near the lower face thereof, a mercury cistern supported upon the upper face of said plate adjacent said bore, said base plate having an inclined passage formed therein with the upper end of the passage opening into said cistern and the lower end opening into said bore near the top thereof, a cup seated in said bore and extending above the opening of said inclined passage into said bore and having a channel formed in the outer surface thereof

from said opening to the bottom of said bore, a vertical tube having the lower end thereof seated in said cup, a packing ring surrounding said tube above said cup, a gland arranged in the upper end of said bore and pressing said packing ring against the upper edge of said cup, and said cup having a small radially extending bore formed in the bottom wall thereof with its outer end opening into said vertical channel and its inner end communicating with the inner space of said tube through a port formed in the upper face of the bottom wall of said cup.

2,570,944

FILM CONTROLLED MOTOR SWITCH

Frederick Hauser, Los Angeles, Calif., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 10, 1946, Serial No. 661,018
3 Claims. (Cl. 200—52)



1. In film-propelling mechanism having a motor for driving the film, a switch disposed in the circuit of said motor, an arm bearing a roller, an over-center spring connected to said arm, said spring being capable of urging said arm in either direction away from the center position, a pawl mounted for motion with said arm, said arm in its normal position maintaining said roller away from the film and said pawl out of engagement with said switch thus permitting threading of the film, said arm in a second position bringing said roller into engagement with the film and maintaining said engagement by the action of said over-center spring on said arm at which time said pawl is brought into engagement with said switch to close said switch to start the motor, said arm being urged forward into a third position upon exhaustion or removal of the film by the action of the over-center spring on said arm thus disengaging said pawl from said switch and opening said switch to stop the motor whereas during return of said arm to its normal position to permit threading of the film said pawl is moved to a non-operating position to maintain said switch open to prevent starting of the motor, said pawl being movable to return it to its original operative position at the time said arm reaches its normal position.

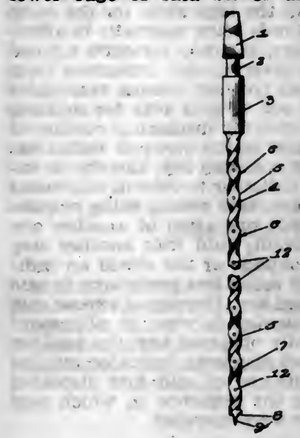
2,570,945

DRILL BIT HAVING FILE TEETH

General Arthur Hawkins, Dallas, Tex.

Application February 27, 1946, Serial No. 650,453
1 Claim. (Cl. 7—14.1)

A bit or drill including a supporting shank at one end, oppositely disposed spiral webs disposed in axial alignment therewith and defining a prolongation thereof, a beveled cutting blade formed on the upper edge of one of said webs, elongated transversely extending right angular stepped cutting teeth on the outer surface of the other web, a starting screw formed on the lower edge of said bit or drill, and oppositely



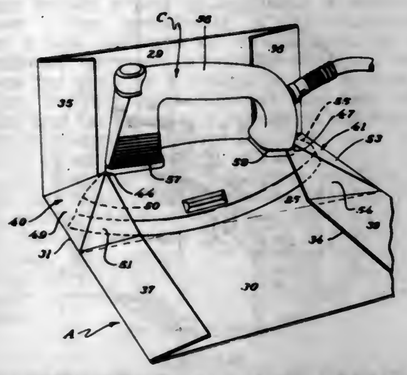
disposed cutting bits formed on the lower ends of said spiral webs.

2,570,946

CARTON PACKING CONSTRUCTION

Russell J. Hennessey, St. Paul, Minn., assignor to Walderf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

Application December 27, 1948, Serial No. 67,359
9 Claims. (Cl. 229—14)



1. A pad for use in a rectangular carton, the pad comprising a body of thick sheet material including a bottom panel and a pair of substantially parallel side wall panels, foldably connected flaps on an end of the side walls and bottom panel, said flaps being connected with each other along lines of fold, the flap overlying the bottom panel being bulged upwardly at its center in spaced relation to the bottom panel to form a pocket, the lines of fold between the flaps resting on said bottom panel.

2,570,947

DRILLING FLUIDS AND METHODS OF USING SAME

Chester M. Himel, Bartlesville, and Edison G. Lee, Oklahoma City, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 5, 1945, Serial No. 626,897
12 Claims. (Cl. 252—8.5)

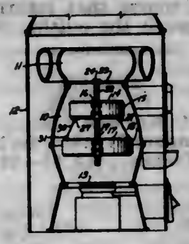
4. A water base well drilling mud comprising in combination sufficient water to maintain the mud as a fluid, sufficient clayey material to form a filter cake on the wall of the well, and a water soluble hydroxyalkylcellulose in an amount sufficient to reduce the water loss due to filtration through said filter cake without increasing the viscosity of said well drilling mud to such an extent that it cannot be circulated.

2,570,948

HEAT-RETAINING UNIT FOR FURNACES

Robert J. Hinsley, Denver, Colo.

Application January 15, 1949, Serial No. 71,169
1 Claim. (Cl. 110—97)



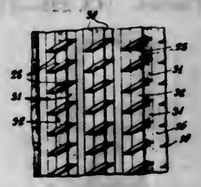
In a furnace the combination of a fire box, a heat retaining and radiating device comprising: a lower circular block of refractory material; an upper circular block of refractory material, there being a hollow concavity in the bottom of each block, and there being triangular flame passages through each block, said passages inclining axially inward as the tops of the blocks are approached, the upper block being smaller in diameter than the lower block; and means for suspending said blocks in vertically separated relation in said fire box in spaced relation to the walls of the latter.

2,570,949

GROUND-CONTACTING SURFACE FOR SHOE SOLES

Isidor Hoffenberg, Milford, Conn., assignor to A. Werman & Sons, Inc., Brooklyn, N. Y., a corporation of New York

Application January 10, 1951, Serial No. 205,287
7 Claims. (Cl. 36—59)



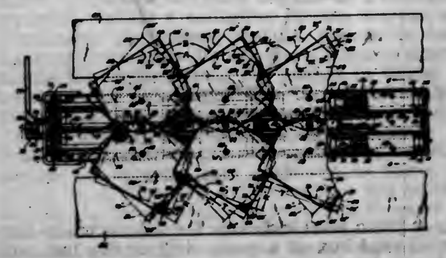
3. A ground contacting surface for the sole and heel in a shoe having a planar forepart and shank, and a planar heel portion raised above the plane of the forepart and shank, comprising, a plurality of spaced parallel ribs, projecting from the plane of the forepart, having their axes disposed substantially at right angles to an axis of the sole which runs from the heel to the forepart, a plurality of projections extending outwardly from the axis of each of said ribs, a centrally disposed recess formed in the plane of the heel, having parallel ribs formed on the floor of said recess and extending outwardly to the plane of said heel, the axes of the ribs formed in the heel recess being substantially transverse to the axis of the sole, and a plurality of projections extending outwardly from the axes of the ribs in the heel recess.

2,570,950

AUTOMATIC TEMPLET AND JIG

Joseph Hornik, Sr., Milwaukee, Wis., assignor to Badger Wire & Iron Works, Inc., Milwaukee, Wis., a corporation of Wisconsin

Application July 27, 1949, Serial No. 107,082
19 Claims. (Cl. 33—174)



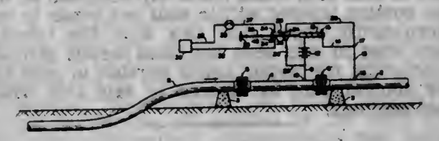
1. In a templet and jig assemblage, a plurality of equally spaced, alined, serially interconnected supporting units, said units each having a rotatable portion threadedly connected to an adjacent unit; a templet connected to each of said units; and means for causing simultaneous like rotation of the rotatable portion of each unit to uniformly vary the length of each of the spaces between said units while maintaining mutual equality of length of all of said spaces.

2,570,951

PIPE-LINE SCRAPER SIGNALING SYSTEM

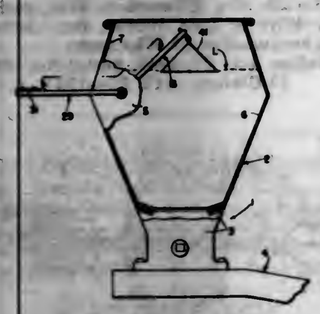
Lester A. Hugo, Bartlesville, Okla., and Arthur D. Baker, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Application December 31, 1948, Serial No. 68,606
3 Claims. (Cl. 177—311)



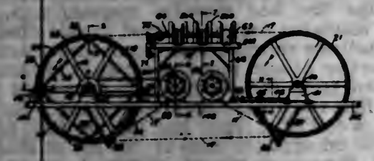
1. A pipe line scraper signaling system for signaling when a scraper traveling through a pipe line reaches a certain point in said pipe line, comprising, in combination, a pipe line, a scraper capable of conducting electricity positioned in said pipe line and movable therethrough, two sets of insulated flanges inserted in said pipe line at a relatively short distance apart and separated by a portion of said pipe line which is electrically insulated from the ground and from said pipe line, a first electrical circuit containing a current source, a coil of a relay, and two sections of the pipe line on opposite ends of one set of said insulated flanges, a second electrical circuit operatively connected with the contacts of said relay whereby, when said scraper is in a position in said pipe line such that said first circuit is completed through the scraper across said one set of insulated flanges, the signal contained in said second circuit will be actuated.

2,570,952
GRAIN DRILL LEVEL INDICATOR
William A. Hyland, Hericon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application December 19, 1945, Serial No. 635,932
2 Claims. (Cl. 116—114)



1. A grain level indicator for the normally horizontal seed box of a grain drill or the like, said seed box having one or more generally vertical walls, said grain level indicator comprising an arm disposed in said seed box for rocking movement relative thereto about a generally longitudinal axis extending through a wall of said seed box, said arm having an indicating portion extending exteriorly of said box, a grain level responsive part comprising a hollow thin-walled structure shaped internally generally as a cone with its larger end disposed downwardly and open and its apical portion disposed upwardly, the wall portions of said conical structure converging upwardly, whereby any tendency for said part to settle downwardly through the grain substantially below the seed level therein is resisted by the grain within the lower open end of said part being crowded together and forced upwardly by the downwardly diverging wall portions at the lower end of said part a distance appreciably greater than the distance said conical structure moves downwardly, said part and indicating portion of said arm being relatively weighted so that the portion thereof within said box tends to rock downwardly about said axis with the receding seed level in said seed box, and means pivotally connecting the upper apical portion of said hollow conical part to the end of said arm within said seed box.

2,570,953
UNIDIRECTIONAL STRAND PROCESSING MACHINE
Louis Illmer, Cortland, N. Y.
Application December 13, 1947, Serial No. 791,474
19 Claims. (Cl. 51—71)



1. A strand processing machine comprising a driven tractor reel including a truly cylindrical rim adapted to have a group of strand coils contiguously trained thereon helically at one rim end region in single layer formation and which coils constitute a length portion of an endless work piece batch that is unidirectionally advanced in successive passes, tubular cutting tool means having a length portion of such work piece threaded through said means in a travel course directed toward and into immediate contact with said rim, stationary stator means including a sustained thrust roller whose axis is radially disposed with respect to the reel axis and the perimeter of which roller is brought into immediate engagement with the last laid rim coil as a retractible rail agency whereby to positively and automatically shift said group of coils laterally toward the other rim end region, and supplementary strand redirecting means serving to carry the offcoming first unwrapped rim coil along a travel course that returns said endless work piece through the cutting tool means.

2,570,954
COASTER
John C. Kasman, Chicago, Ill.
Application January 31, 1950, Serial No. 141,521
3 Claims. (Cl. 65—53)



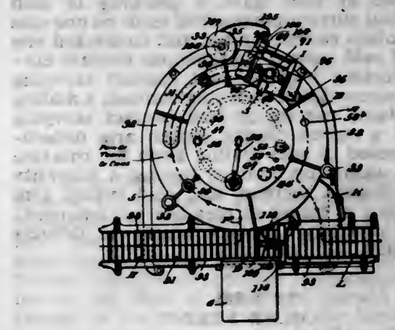
3. In a coaster of flexible and resilient material, a base having an upstanding side wall around the periphery thereof, a top wall joined to said side wall by means of a rounded edge located between the two walls and extending around the periphery of said top wall, said top wall having a thickness to promote flexibility and having a center opening of approximately star shape to form flexible lips that extend inwardly, and said lips being bent downwardly upon insertion of a tumbler through the open top wall and as a result having a gripping action on the tumbler to hold the coaster to the same.

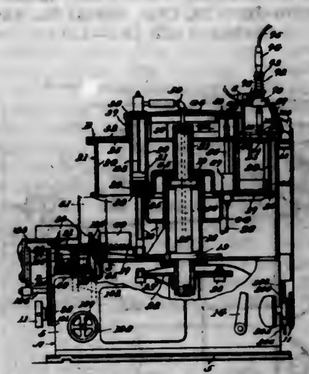
2,570,955
FOUNTAIN APPLICATOR AND DISPENSER WITH MAGNETIC VALVE
William T. Keeshan, Navesink, N. J.
Application October 28, 1948, Serial No. 56,935
10 Claims. (Cl. 222—478)



1. A liquid dispensing device comprising a main housing, a liquid storage reservoir disposed in said main housing, a liquid discharge tip of magnitizable material carried on said main housing and having a first outlet formed therein communicating with the said reservoir, a first valve seat formed in the interior surface of said discharge tip, a magnetic plunger disposed movably in said reservoir and having a second valve seat formed therein, a fluid discharge tube carried by said magnetic plunger and extending through said first outlet and having a second outlet aperture formed in said fluid discharge tube near the surface of said second valve seat, whereby said first and second valve seats are brought into seating contact with each other under the influence of the magnetic attraction of said plunger for said liquid discharge tip, to normally block communication between the said reservoir and the interior of said fluid discharge tube through said second outlet aperture, whereby said fluid is retained in said reservoir against leakage therethrough.

2,570,956
VACUUMIZING AND CLOSING MACHINE WITH ROTARY BELL TURRET, VERTICALLY MOVABLE, CAN SUPPORTING, BELL CLOSING PADS, AND PAD MOVEMENT RATE CONTROL MEANS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 4, 1943, Serial No. 512,939
32 Claims. (Cl. 226—82.2)

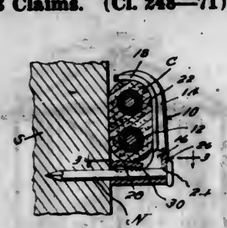




2. In a container vacuumizing and closing machine, a rotary turret having a plurality of open bottomed bells thereon each providing a vacuumizing chamber, means for indexing the turret, a container supporting pad underlying each bell, fluid pressure actuated means for lifting each pad for effecting a lifting thereof to seal the associated chamber and position a container therein, means for releasing each pad after the vacuumizing and closing of a container to permit the pad to drop by gravity, and means movable with the turret and effective to cushion the fall of said pad throughout the full extent of the downward movement thereof.

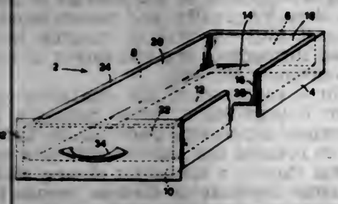
17. In a machine of the character described wherein is provided a turret having a plurality of container supporting pads, means to index the turret to present the pads serially at a container receiving station a container closing station and a container discharging station; means for feeding containers to said receiving station, a pusher, means for reciprocating the pusher in timed relation to the indexing of the turret for pushing containers off said feeding means onto a pad at rest at the receiving station, a constantly reciprocated member, a pusher actuating member, means for causing said members to move together in a direction for retracting the pusher, and means for causing said members to move together in a direction for projecting the pusher to push a container onto a supporting pad only when a container is on the feeding means opposite the receiving station.

2,570,957
FASTENING DEVICE
Ervin W. Lee, Zanesville, Ohio
Application April 26, 1950, Serial No. 158,251
3 Claims. (Cl. 248—71)



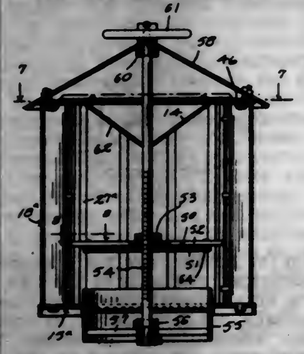
1. A clip for holding against a support an insulated electrical conductor or the like, said clip comprising an elongated sheet metal body which is substantially concavo-convex in cross section throughout substantially its entire length, a hollow reinforcing rib carried by the body and extending throughout substantially the entire length thereof, said rib projecting outwardly from the convex side of said body substantially midway between opposite side edges thereof, a hook integral with said body adjacent one end thereof, a leg integral with said body adjacent its opposite end, said leg lying substantially perpendicular to the portion of the body lying adjacent thereto and defining with said portion of the body and the hook a cable receiving recess, the rib having an opening extending therethrough at the junction of the leg and the portion of the body lying adjacent thereto, said opening aligning axially with the portion of the rib which lies along the leg, an apron carried by the leg at the end thereof remote from the opening, and said apron lying against the side of the leg adjacent the hook and bridging a portion of the open side of the portion of the rib that lies along the leg to cooperate with the opening in forming a guide for the shank of a fastener and to hold the fastener out of contact with an article held by the clip.

2,570,958
LINED DRAWER
Francis E. Lee, Abington, Pa.
Application September 18, 1948, Serial No. 49,977
2 Claims. (Cl. 217—3)



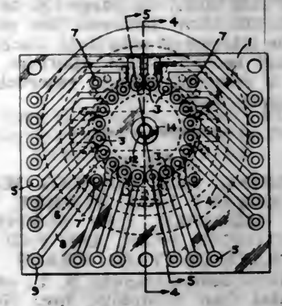
1. A drawer comprising side and end members arranged in substantially right angled relationship, the side and end members being of the same heighth and one member having a front panel secured thereto, said panel being of greater heighth and longer than the end members and a molded body bonded to said side and end members and forming the interior and bottom of the drawer, the bottom of the molded body being positioned above the bottoms of said side and end members and said molded body comprising a fine fiber felt impregnated with a resin.

2,570,959
VENTILATOR AND WEATHER HEAD
Clarence Divine Lutton, Baltimore, Md.
Application November 17, 1948, Serial No. 60,425
4 Claims. (Cl. 98—82)



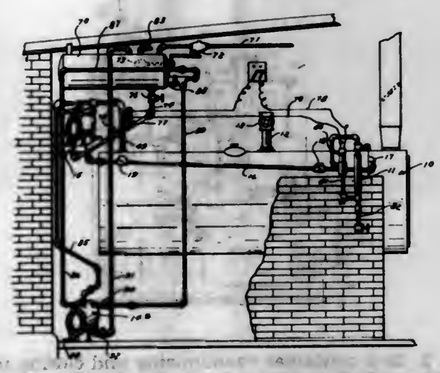
1. A ventilator comprising a centrally apertured bottom member and a top member vertically spaced therefrom, a nipple means extending through said bottom member and spaced from said top, a plurality of circumferentially disposed inner vanes extending vertically between said bottom and said top members forming inner spaces between said vanes communicating with said nipple, said inner vanes having substantially right angularly disposed side plates terminating in reversely turned outwardly extending oppositely disposed edges spaced from said side plates, a plurality of circumferentially disposed outer vanes connecting said bottom and said top members outwardly of said inner vanes, said outer vanes being spaced apart to form outer spaces opening therebetween said spaces being aligned with said inner vanes, said outer vanes having outwardly obtusely related angled upright plates connecting oppositely disposed aligned upright end plates comprising part of said outer vanes, said upright plates being radially disposed from said inner spaces, said substantially right angular plates and said aligned end plates forming parallel wall channels extending therebetween for communicating an adjacent said inner space with an adjacent said outer space.

2,570,960
ELECTRICAL SWITCH
Arthur A. Lutsky, Newark, and Albert A. Walker, Succasunna, N. J., assignors to The Daven Company, Newark, N. J., a corporation of New Jersey
Application January 10, 1950, Serial No. 137,711
16 Claims. (Cl. 200—11)



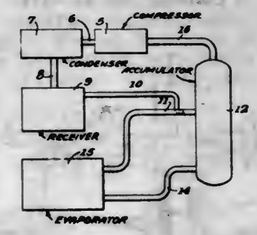
2. In an electrical switch, an insulation contact carrying plate, a plurality of spaced contacts carried by said contact carrying plate, a ring contact carried by said plate, a plurality of thin flat electrical current conducting leads on one side of said contact carrying plate and connected one to each of said spaced contacts, an electric current conducting lead on said contact carrying plate and connected to said ring contact, a dialing knob rotatably carried by said contact carrying plate, and a circuit closing switch arm detachably connected to said dialing knob for rotation therewith, said ring contact having a plurality of bosses formed thereon, and said switch arm having a pair of bosses formed thereon cooperating with said ring contact bosses to provide detent action.

2,570,961
BOILER FEED
Delroy McBride, Twin Falls, Idaho
Application June 28, 1946, Serial No. 680,047
7 Claims. (Cl. 137—101)



1. A water feeding means for a boiler comprising in combination a steam boiler, a feeding tank above said boiler, venting means for said feed tank, a steam pipe connecting said tank with said boiler, a water discharge pipe connecting said tank with said boiler, a check valve in said latter pipe, a valve interposed in said steam pipe, said latter valve including a stem projecting into said tank, buoyant means in said tank connected with said stem for opening said second valve when said tank is substantially filled and for closing said second valve when said tank is substantially empty, a water supply pipe connected to said tank, a check valve in said supply pipe, an electrically operated valve interposed in said supply pipe, float actuated means operatively associated with said electrically operated valve and responsive to the water level in said boiler whereby to effect filling of said tank when the water level in the boiler lowers to a predetermined point, and means connecting said buoyant means and said venting means for operating said venting means simultaneously with and opposite to said valve in said steam pipe.

2,570,962
MEANS FOR INTERCEPTING LIQUID REFRIGERANT
James C. McBroom, Van Nuys, Calif., assignor of one-half to Annandale Cuthill, Los Angeles, Calif.
Application December 6, 1947, Serial No. 790,093
4 Claims. (Cl. 62—115)



3. In a refrigerating system having a compressor, a condenser, an evaporator and an accumulator, a refrigerant vapor flow connection from the upper end of the accumulator to the compressor, a series flow connection between the former and the evaporator compressing a connecton for flow of liquid refrigerant from the bottom of the accumulator to the bottom of the evaporator and a connection for flow of vaporized refrigerant from the top of the evaporator to an intermediate point of the accumulator, said latter connection extending into the interior of the accumulator above the bottom thereof, a connection from the compressor through the condenser and into said latter connection whereby the same conducts condensed refrigerant from the condenser in addition to the vaporized refrigerant from the evaporator into the accumulator to fall into the bottom of the accumulator, and means in the accumulator between the vaporized refrigerant connection and the connection to the compressor for unrestrictedly passing refrigerant vapors to the compressor and for intercepting and disintegrating globules of liquid refrigerant contained in said vapors.

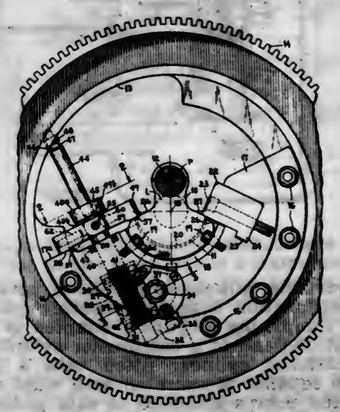
2,570,963
INFANT'S DIAPER
John E. Mesmer, Los Angeles, Calif.
Application November 21, 1949, Serial No. 128,606
7 Claims. (Cl. 128—284)

1. An infant's diaper, comprising a flexible sheet foldable with its opposite edges inwardly to form a plurality of overlying layers of the sheet, all of the layers having at one end and adjacent their mutual folds openings registering when the layers are folded, the edge layers having at the ends thereof opposite the first mentioned ends integral gradually tapered tie strings at



each edge, the string of each edge layer extending diagonally across the front of the diaper and being adapted, when the folded diaper is folded at a right angle, to be threaded through the registering openings in the other edge layer and center layer.

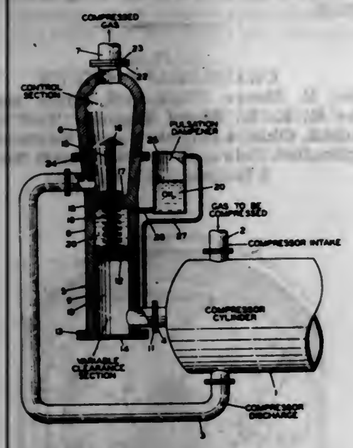
2,570,964
CRANKSHAFT CHUCK
Walter R. Meyer, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware
Application February 8, 1949, Serial No. 75,153
3 Claims. (Cl. 82—40)



1. In a crankshaft chuck, a rotary chuck body, an arcuate locating block fixed to the chuck body having an arcuate surface arranged concentric with the axis of rotation of the chuck body, a driving block fixed to said chuck having a radially disposed abutment driving surface positioned at one end of said arcuate locating block, and clamping means located at the other end of said arcuate locating block comprising, a nut journaled in and restricted against axial movement in said chuck body, a worm wheel formed on said nut, a worm journaled in said chuck body and operatively engaging said worm wheel, means for applying a wrench to rotate said worm, a screw journaled for both rotation and axial sliding movement in said chuck body and operatively engaging said nut, a clamp,

means for pivotally mounting said clamp at a point intermediate its ends on said screw for swinging movement of said clamp in a plane passing through the axis of rotation of said screw, a driving key on said screw engaging said clamp to cause said clamp to be rotated by said screw, an abutment surface on said screw engaging an intermediate portion of said clamp in a direction of axial clamping movement of said screw, and a toe and a heel abutment surfaces on the outer ends of said clamp lying in a plane substantially perpendicular to the axis of rotation of said screw, said heel engaging the chuck body and said toe engaging a workpiece in said chuck.

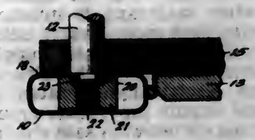
2,570,965
VARIABLE AUTOMATIC CLEARANCE POCKET
Charles O. Meyers, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 19, 1946, Serial No. 717,263
5 Claims. (Cl. 230—237)



1. A variable, automatic clearance pocket for use in conjunction with reciprocating gas compressors comprising a cylinder adapted to be attached at one end to a compressor cylinder, the first mentioned cylinder fitted with a piston, means to equalize pressure on both sides of said piston, and means attached to said piston and extending beyond the other end of its containing cylinder for moving said piston, a housing means surrounding the extended portion of said piston moving means, a further means attached to said housing means and to said gas compressor cylinder and adapted to convey compressed gas from said compressor cylinder into said housing means, said extended portion of said piston moving means adapted to move said piston in response to the flow of gas through said housing means.

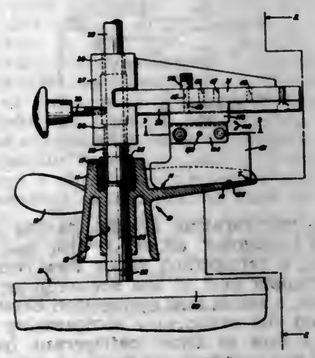
2,570,966
LOOSE-LEAF POST BINDER
Henry H. Moore, Austin, Tex.
Application June 26, 1947, Serial No. 757,283
2 Claims. (Cl. 129—12)

1. In a post binder having a closed hollow base provided with a longitudinal slot in its upper wall, a plurality of slideably-mounted blocks in said base and accessible through said longitudinal slot, said blocks having threaded openings for receiving the threaded ends of posts, and post members having reduced threaded ends engaging said openings in said blocks and having their shoul-



ders at the reduced end engaging the base about said slot, said blocks being provided with recesses extending thereacross and said base being provided with depending flanges bordering said slot and slideably engaging the walls of said blocks bordering said recesses.

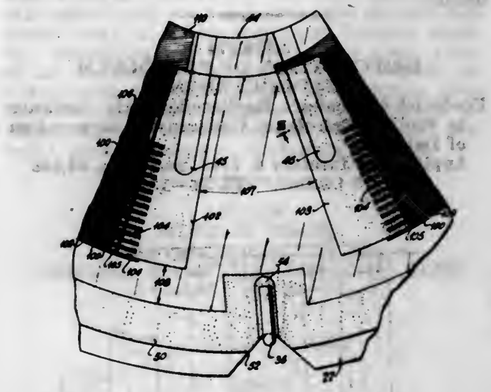
2,570,967
GAUGING APPARATUS
Earl C. Moss, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1946, Serial No. 683,181
5 Claims. (Cl. 33—174)



1. In an apparatus for gaging an article along a predetermined line thereon, a base, means on the base to hold an article to be gaged, an arm slidably and rotatably carried on the holding means to support a gage body to be adjustably approximable to the article, the body being formed with a slot therein, a laminar gage proper having a gaging edge thereon and pivoted in the slot, a removable pin to lock the gage proper in one fixed position relative to the body, and means to predeterminedly limit the pivotal motion of the gage proper in the slot when the pin is removed.

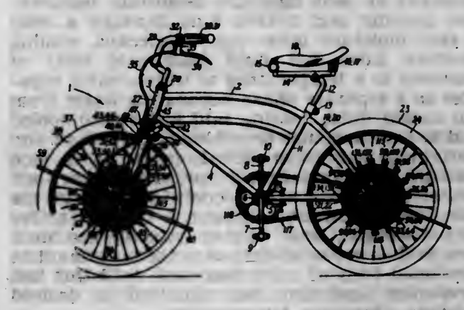
2,570,968
POTENTIOMETER
Wolf F. Muller, Aiken, S. C., assignor to Servomechanisms, Inc., a corporation of New York
Application August 23, 1950, Serial No. 181,031
16 Claims. (Cl. 201—55)

1. A potentiometer comprising a contact arm and a resistance element having a plurality of groups of contacts connected together by resistance material, said contact arm in certain positions shunting all of the contacts of each group and in other positions shunting at least one con-



tact of one group with at least one contact of an adjoining group.

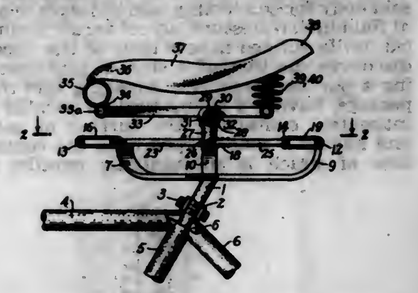
2,570,969
SPRING SUSPENSION
Alan E. Murray, New York, N. Y.
Application February 28, 1947, Serial No. 731,622
12 Claims. (Cl. 267—63)



1. A spring suspension provided with a frame supporting a wheel for rotation on a horizontal axis, an axle on which the wheel is rotatably mounted, a pair of wheel members located on said axle, and a pair of ring-like weight-bearing means supported on said frame, having connected to said means and to the wheel members a series of radially extensible elastic suspension elements distributed circumferentially around said means and the wheel members by being secured to said members, said suspension elements being constructed to be elongated and stretched by increase of the force applied thereto.

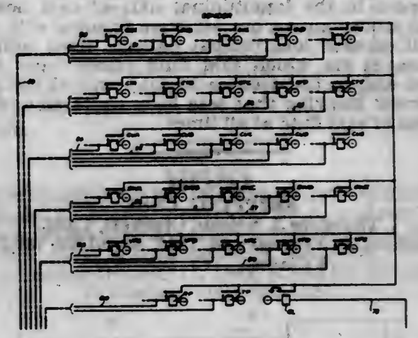
2,570,970
SPRING SUPPORT FOR BICYCLE SEATS
Alan E. Murray, New York, N. Y.
Application March 5, 1947, Serial No. 732,594
4 Claims. (Cl. 155—5.17)

1. A bicycle seat having beneath the same an adjustable horizontal support frame including a supporting rod for said support frame, an elastic stretched rubber-like suspension in the form of rubber strands stretched from a second horizontal frame within said first frame beneath the



seat to the support frame, and a seat supported on said second frame.

2,570,971
VERTICAL LINE NUMBER TRANSLATOR
Oscar Myers, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 786,074
5 Claims. (Cl. 179—18)

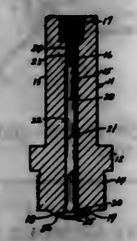


2. In a telephone system including a line terminating on the terminals of a frame and having two stations thereon, said line having a designation indicative of said terminal location and each of said stations having a first designation indicative of its character and a second designation indicative of its identity, the combination of a register settable in accordance with said terminal location designation and the first designation of either one of said stations, means responsive to said register for translating the setting of said register to the second designation of said station, and means responsive to said translating means for resetting said register in accordance with said latter designation.

2,570,972
SPRAYING NOZZLE
Theodore H. Nakken, New York, N. Y., assignor to Nakken Products and Development Co. Inc., a corporation of Delaware
Application October 11, 1947, Serial No. 779,397
3 Claims. (Cl. 299—141)

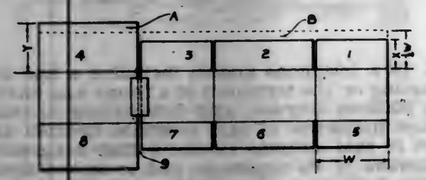
1. In a spray nozzle, a body having means thereon for mounting it in use, a longitudinal passage formed within said body, a threaded passage also formed within said body smaller than the diameter of and communicating with said

first passage, said threaded passage being near one end of said body, means on said last end of said body for connecting said passages to a source of fluid under pressure, an outwardly facing conical cavity formed in said body at the opposite or discharge end thereof, a stem in said nozzle having a portion threadedly engaging said threaded passage, having a shank portion parallel to and intimately contacting the surface of said bore and having a cone-shaped head the conical surface of which is substantially parallel to and



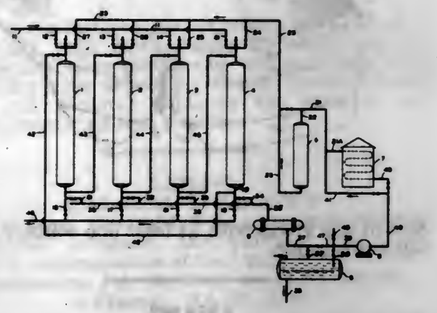
forced in contact with the surface of said conical cavity by the aforesaid threaded engagement, a plurality of diverging grooves formed in at least one of said conical surfaces and forming passages through which said fluid is sprayed angular with respect to the longitudinal axis of said nozzle, and groove means on said stem forming with the wall of said longitudinal passage fixed minute passages via which said fluid passes from said first end to the grooves in said conical surface, thereby insuring that said body contains a minimum of said fluid at all times.

2,570,973
SHIPPING CASE
Theodore J. Nelson, Crockett, Calif.
Application February 24, 1947, Serial No. 730,248
2 Claims. (Cl. 229—37)



1. A rectangular paper board shipping case formed from two separate blanks joined to make the whole, one blank having creases extending horizontally to define respectively a long outer top flap for the case, the flap length of which is less than the linear width of the case but is greater than one-half this width, define a principal side panel for the case, and define a long outer bottom case flap similar to the outer top flap, and the second blank having creases extending both horizontally and vertically to define respectively an end side panel for the case with appended short top and bottom inner case flaps, define a principal side panel for the case with appended short top and bottom outer case flaps, and define an end side panel for the case with appended short top and bottom inner case flaps, the lengths of all three short flaps thus formed for the top of the case being equal, and the lengths of the three short flaps formed for the bottom of the case being equal, their respective lengths beyond the crease being fixed by the numerical difference between the linear width of the case and the length already selected for the corresponding long outer flap on the first blank.

2,570,974
DEHYDRATION OF PETROLEUM HYDROCARBONS
Frederick C. Neuhart, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 4, 1949, Serial No. 69,088
9 Claims. (Cl. 34—13)



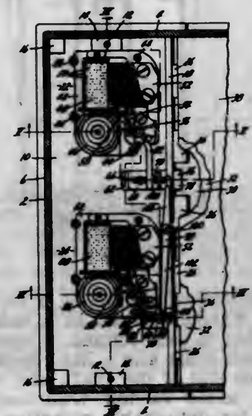
1. A method for regenerating a moisture laden solid desiccant comprising heating a fluid to a moisture desorbing temperature, said fluid being nonpolymerizable in the presence of said solid desiccant at said moisture desorbing temperature, passing said heated fluid through a body of said moisture laden solid desiccant, cooling moisture laden hot fluid from said body of desiccant to a temperature at which water separates as a separate phase, separating water from said cooled fluid, heating said last stated cooled fluid to said moisture desorbing temperature and continuing this operational cycle until said moisture laden desiccant is free of moisture then further passing separated cooled fluid from the water separation step through a body of active solid desiccant, and further passing the fluid from said active solid desiccant through the first mentioned body of solid desiccant until this last mentioned desiccant has acquired a desired moisture adsorbing temperature.

2,570,975
ELECTRIC HEATING ELEMENT
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application July 27, 1946, Serial No. 686,754
1 Claim. (Cl. 219—37)



An electric heating unit comprising a heat-transmitting laminated plate including an outer metallic plate and an inner heat conducting spacer of thin sheet metal engaging the under side of the outer plate, a heating resistor formed of a metallic resistance strip wound in spiral convolutions, said strip and said spacer each having an integral anodic coating, the upper edges of the convolutions of said strip being in contact with said spacer and being in thermal contacting and electrically insulated relation with said spacer and outer metallic plate through said anodic coating, a heat-insulating backing member underlying and supporting the lower edges of the convolutions of said strip and means securing said backing member in clamping relation with said outer plate so as to maintain the upper edges of said strip, said spacer and said outer plate in thermal conducting contact.

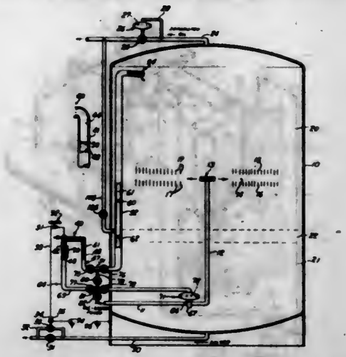
2,570,976
MUSICAL BOOK
Louis Patz, Kansas City, Mo.
Application August 16, 1948, Serial No. 44,489
6 Claims. (Cl. 84—96)



1. A musical book comprising a body member, a plurality of hingeable leaves carried by said body member, a plurality of mechanical musical instruments carried by said body member and corresponding respectively to said leaves, and means whereby when said book is opened to any given page, the musical instrument corresponding thereto will be actuated, and the remainder of said musical instruments will be deactuated.

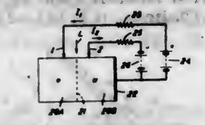
2,570,977
LEVEL CONTROL SYSTEM
Robert L. Pettefer and George M. Badger, Jr., Long Beach, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application March 5, 1948, Serial No. 13,286
15 Claims. (Cl. 210—51)

1. An apparatus for maintaining substantially constant the relative amounts of two dissimilar fluids of different density in a tank, the upper and lower portions of said tank respectively containing fluid bodies comprising the lighter and heavier of said fluids, the heavier of said fluids being a liquid, at least one of said fluids being delivered to said tank through a fluid passageway and at least one of said fluids being withdrawn from its respective portion of said tank through a fluid passageway, said apparatus including in combination: an inverted U-tube comprising two depending legs; a displaceable body of control liquid in said inverted U-tube and partially filling said depending legs; conduit means respectively communicating with said legs and containing liquid columns substantially immiscible with and contacting said control liquid in the respective depending legs to form interfaces therewith; means for transmitting pressure from the upper portion of said tank to one of said liquid columns; means for transmitting pressure from the lower portion of said tank to the other of said liquid columns whereby said



control liquid is displaceable in the inverted U-tube upon change in relative pressures in the upper and lower portions of said tank; a level-responsive means responsive to a change in position of one of said interfaces; control means for changing the relative amounts of said fluids in said tank; and means for operatively connecting said level-responsive means and said control means.

2,570,978
SEMICONDUCTOR TRANSLATING DEVICE
William G. Pfann, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1949, Serial No. 120,661
20 Claims. (Cl. 332—31)

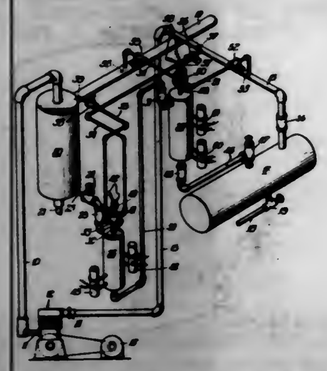


1. A translating device comprising a body of semi-conductive material having therein two zones of opposite conductivity type meeting at a barrier, a base connection to said body, a pair of rectifying connections, one to each of said zones, and means biasing each of said connections in the reverse direction relative to the respective zone.

2,570,979
COMPOUND SYSTEM FOR LIQUID REFRIGERANT RETURN
Harry A. Phillips, Chicago, Ill.
Application June 23, 1949, Serial No. 100,875
6 Claims. (Cl. 62—115)

1. In a refrigerating system including the conventional compressor having a suction line for returning evaporated refrigerant to the compressor and having a high pressure refrigerant line, an accumulator drum interposed in the suction line for collecting liquid refrigerant to prevent delivery of the same to the compressor, a liquid trap located below the accumula-

tor drum and having connection with the drum for receiving liquid refrigerant therefrom by gravity flow, a second liquid trap having an elevated position with respect to the first mentioned trap, conduit means joining said traps, means supplying high pressure gaseous refrigerant from said high pressure refrigerant line to the first mentioned trap to effect a flow of



the liquid refrigerant therein through said conduit means to the second trap, a connection from the second trap to the high pressure refrigerant line, and other means supplying high pressure gaseous refrigerant from said line to the second trap to effect flow of the liquid refrigerant in the suction trap through said connection to the high pressure side of the system.

2,570,980

HAND PLANE HAVING ADJUSTABLE MOUTH

Walter Noel Powell, St. Helens, England, assignor of one-third to Allan Frederick Powell and one-third to Henry Anderton, both of St. Helens, England

Application June 28, 1949, Serial No. 101,740
In Great Britain June 30, 1948
10 Claims. (Cl. 145—15)



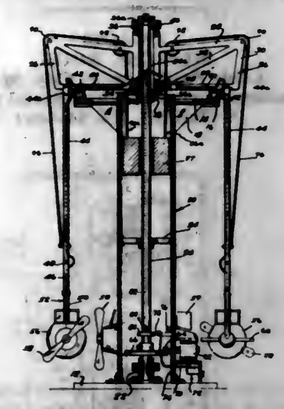
1. In a hand plane for shaping wood and the like a flat bottomed lower rear body member, an upper wedge-shaped rear body member, a flat bottomed front body member, means for adjusting said lower rear and front body members relatively to one another in an upward and downward direction to form a step between the flat bottoms thereof, a blade whose lower end lies between the adjacent ends of the flat bottoms of said lower rear and front body members, said front body member having, on each side at the rear end thereof, an upwardly extending inwardly projecting slide, the lower rear body member having adjacent the forward end thereof an upwardly extending and forwardly facing step at each side thereof whilst the upper wedge shaped rear body member has, on each side thereof, an upwardly extending and rearwardly facing step such that when said rear body members are assembled said steps of the lower and upper rear body members will face one another in longitudinally spaced relationship to form a guide slot on each side of the combined rear body member adapted to receive the upwardly inwardly projecting slide of the front body member.

2,570,981

VERTICAL AXIS CIRCULAR SWING

John Psaila, Los Angeles, Calif.

Application January 10, 1949, Serial No. 70,697
1 Claim. (Cl. 272—41)



In an amusement apparatus, a vertical, tubular column fixedly secured to a base, a driven shaft centered in said column, a recessed flange on said driven shaft and a like recessed capping upon the free end of the shaft, and radial arms, said radial arms having trunnions on their inner ends for detachable socketing in the recesses in said flange and capping, a circular track located upon and exteriorly of said column in partial support of said radial arms, a plural number of passenger vehicles, a plural number of pendent tubular arms, said pendent arms being hingedly connected to said vehicles and said radial arms for direct support of said vehicles, sheaves on each of said arms, a cable running over the sheaves on each radial arm and having its one end so attached to a pendent tubular arm as to lie in an acute angle to the longitudinal axis thereof during full pendency of the related arm, and to a weight centered around said shaft and within said column and held aloft by the inner ends of all of the cables running over said sheaves, and power means to rotate the driven shaft within said column.

2,570,982

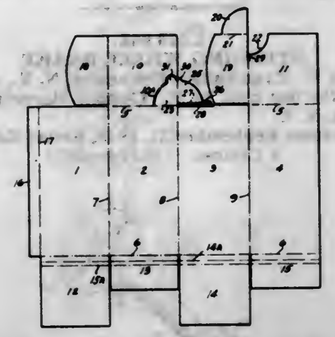
CARTON

Arthur Read, Portland, Oreg., assignor to Henry F. Phillips, Piedmont, Calif.

Application November 7, 1947, Serial No. 784,594
3 Claims. (Cl. 229—17)

1. A carton formed from a single sheet of material formed with parallel sets of folding creases extending perpendicularly to each other in intersecting relationship defining a central rectangular portion folded along certain of said parallel creases providing four side walls of said carton, end flaps along two opposite edges of said portion folded to overlying relationship providing a top wall and a bottom wall for said carton, a semi-circular tab, a first half of which is formed out of one of the flaps of said top wall adjacent

the juncture between two adjacent sides of said carton and in continuation of one of said two adjacent sides and the second half of which is in a plane parallel with the other of said two adjacent sides and is integral with said tab being foldable through its center along a line in continuation of the folding crease defining the juncture between said two adjacent side walls to form a pouring spout in which the two halves of said tab are at right angles to each other with



said second half integral with and joined to said first half only, one of the flaps forming said top wall being formed with a lateral extension extending over and secured to one of said two adjacent side walls adjacent said tab and said extension being formed with a projection extending over the other of said two adjacent sides adjacent said tab and secured thereto whereby said two adjacent sides are reinforced adjacent said tab by said extension and said projection.

2,570,983

RADIATOR ORNAMENT

Fred Reilly, Los Angeles, Calif.

Application June 26, 1948, Serial No. 35,367
2 Claims. (Cl. 41—34)



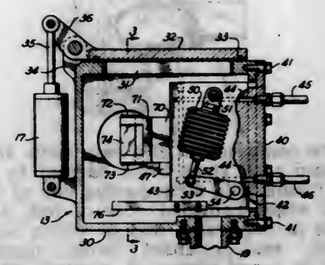
1. An automobile radiator ornament including a base member mounted on the hood of an automobile, and a split ring member, the split in said ring member being of such width that the ends of said split ring will fit against opposite sides of said base member, said ends of said ring member and said base member being provided with aligned screw bores to receive a screw, with the remote end of said screw threaded in the bore in one end of said ring, the screw bore proper extending only a short distance into the other end of said ring and said other end portion of said ring being provided with an enlarged screw head bore leading outwardly from the adjacent end of said screw bore proper in said other end of the ring through the outer side of the ring, to receive the head of said screw, and said enlarged screw head bore being elongated to make the screw head therein ordinarily inaccessible.

2,570,984

AMBIENT PRESSURE-RESPONSIVE CLAMPING MEANS

Arnold John Reyenga, Oakland, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application February 23, 1950, Serial No. 145,873
9 Claims. (Cl. 250—50)



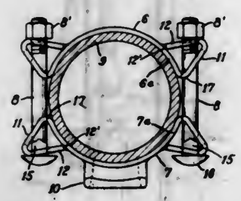
1. Apparatus of the class described including a housing having a closure movable to open and closed positions across an opening thereof, means for varying the internal pressure within said closed housing, a movable clamp and a closed, expansible actuating chamber wholly disposed within said housing and mounted in force transmitting relation between the latter and said clamp, said chamber containing a pressure fluid with an operative volume established by the ambient pressure in said housing.

2,570,985

SEPARABLE POLE CLAMP

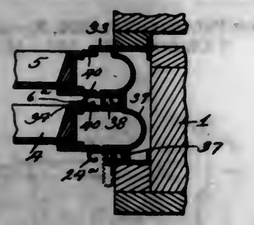
Edmund W. Riemenschneider and Wilbur C. Anderson, Canton, Ohio, assignors to The Union Metal Manufacturing Company, Canton, Ohio, a corporation of Ohio

Application June 28, 1948, Serial No. 35,704
3 Claims. (Cl. 24—19)



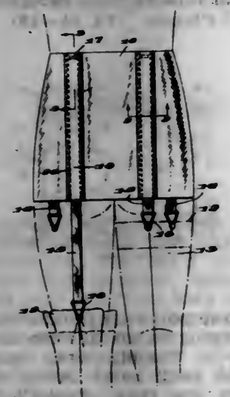
3. A separable pole clamp including two arcuate steel clamping bands of such thickness and resilience as to flexibly wrap under tension around a pole, each band having a peripheral length slightly less than one-half the circumference of the pole, each band having an ear at each end formed of two connected legs disposed at substantially equal angles to the band and forming a substantially equilateral triangle with the intervening portion thereof, the front leg being slotted radially and secured at its inner edge to the band and the rear leg being secured at its inner edge to the band and having an aligned bolt hole for receiving a straight clamping bolt at different radial positions.

2,570,986
REMOVABLE WINDOW SASH
Roy J. Riley, Tulsa, Okla.
Application August 23, 1945, Serial No. 612,223
3 Claims. (Cl. 20—47)



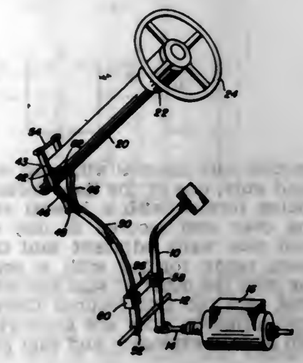
1. The combination of a sash strip, frame and sash, said sash strip being carried by the side of the frame, said strip having one of its longitudinal edges provided with a roll, a vertical channel in the frame and in which said roll is disposed, said channel being rectangularly shaped in cross section, a vertical slot in the front wall of the channel, said strip being slidably mounted in said slot in the front wall of the channel, said roll engaging opposite walls of the channel, said roll, at its inner side adjacent the strip, being open, the front wall of the channel being narrow and of a width whereby the front wall of the channel will pass through the roll slot when the strip is pulled outwardly and enter the roll when the strip is hingedly moved on the front wall as a fulcrum and forming means whereby the strip can be hingedly moved substantially ninety degrees to a parallel position adjacent the front wall of the channel.

2,570,987
STOCKING ALIGNER
Edward P. Rose, Syracuse, N. Y.
Application June 3, 1948, Serial No. 30,781
2 Claims. (Cl. 2—33)



1. The combination with a girdle type garment having an upper edge and a portion extending downwardly therefrom and supporting conventional garters from the lower edge thereof, of a pair of elastic bands each having one end secured near said upper edge at the back of the garment and the other end depending below the garment, a clasp on the lower end of each of said bands at substantially the level of the garter clasps when the bands are retracted, guides for said bands secured to the garment near the lower edge thereof in vertical alignment with the desired rear seam locations of the stockings, said bands being readily extensible through said guides substantially to the seated wearer's ankle for attachment to the garter hems of the stockings at the rear seams thereof whereby on release they pull the stockings into place with the seams in the desired location when the wearer assumes a standing position.

2,570,988
STEERING WHEEL BRAKE
Vernon W. Rychwalski, Rochester, N. Y., assignor of fifty per cent to W. Thomas Barrett, Rochester, N. Y.
Application September 27, 1948, Serial No. 51,436
4 Claims. (Cl. 74—481)

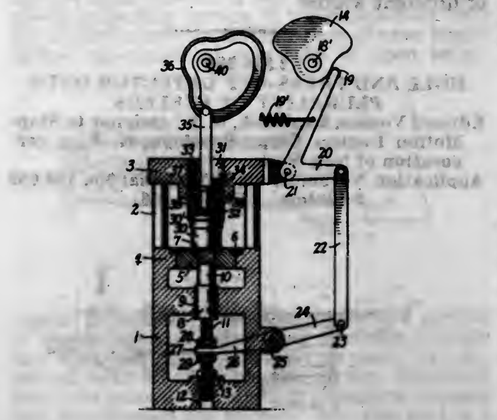


1. In combination with a brake pedal, steering column casing and steering wheel of a motor vehicle, of a steering column in two longitudinally spaced parts, the upper part having the steering wheel secured thereon, a sleeve connecting the lower part of the steering column for rotation with the upper part and allowing relative longitudinal movement between the upper and lower parts, and means operatively connecting the upper part with said brake pedal comprising a bracket carried by said brake pedal, a lever mounted to pivot with said pedal and frictionally associated with said sleeve, and means to bias said sleeve for longitudinal movement in one direction relative to said lower part of the steering column.

2,570,989
APPARATUS FOR FORMING POWDER METALLURGY PARTS
Richard P. Seelig, Elmhurst, N. Y., assignor, by mesne assignments, to General Bronze Corporation, Garden City, N. Y., a corporation of New York
Application February 15, 1944, Serial No. 522,530
1 Claim. (Cl. 75—0.5)

In an apparatus for forming powder metal parts, a die having a powdered metal receiving cavity, a lower punch constructed and arranged to move within said cavity, an upper punch constructed and arranged to move to, away from and within said cavity, means for moving said lower punch within said cavity, the upper punch having a chamber therein closed at both of its ends, a rod extending into said chamber and freely movable therein and having a collar thereon

adapted to engage a wall at one end of said chamber, the distance between said collar and the other wall of said chamber being greater than the length of the rod from said collar to its adjacent end, a coil spring within said chamber interposed between said collar and the last mentioned wall of said chamber to normally hold the adjacent end of said rod spaced from said wall and said collar in contact with the wall of the chamber adjacent to the collar, and means for reciprocating said rod.

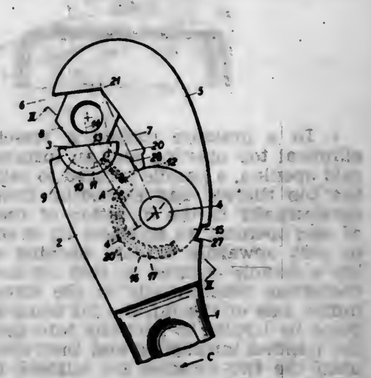


2,570,990
FUEL COMPOSITIONS AND THEIR PREPARATION
John A. Southern and Lloyd J. Roth, United States Army, Francis J. Licata, West Caldwell, N. J., and Joseph Cunder, United States Army, assignors to the United States of America as represented by the Secretary of War
No Drawing. Application April 26, 1944, Serial No. 532,874
3 Claims. (Cl. 44—7)

1. A soap-type gelling agent adapted to form with a volatile hydrocarbon fuel a military incendiary gel which ages at ordinary temperatures, comprising from 50% to 75% by weight of aluminum oleate, less than 50% but more than 25% by weight of aluminum stearate, about 1% of an oxy-aromatic anti-oxidant compound and of from 4% to 10% of a sodium oleate, sodium stearate soap consisting predominately of sodium oleate.

2,570,991
SELF-ADJUSTING WRENCH FOR NUTS OR LIKE POLYGONAL OBJECTS
Mogens Fin Stellinger, Copenhagen, Denmark, assignor to The Cromna Company, Copenhagen, Denmark, a firm
Application June 10, 1949, Serial No. 98,138
In Great Britain December 16, 1948
3 Claims. (Cl. 81—91)

1. A wrench comprising a handle, an arcuately slidable jaw associated with said handle, a substantially hook-shaped jaw pivotably connected with said handle and having a workpiece-engaging portion which forms an angular notch, said portion including a substantially straight gripping face confronting said arcuately slidable jaw, an arcuate recess in said handle, a substantially semi-cylindrical member forming said arcuately slidable jaw and having a substantially straight edge face and being mounted in said arcuate recess for free arcuately sliding movement around an axis lying substantially in said straight edge face so as to be positioned, by engaging one parallel side of said workpiece, with its straight edge face parallel to said gripping face of said hook-shaped jaw when the latter engages an opposite parallel side of said workpiece, and means on said hook-shaped jaw and handle for limiting pivotal movement therebetween, so that any polygonal parallel-sided workpieces, between maximum and minimum sizes to be engaged in the wrench, will have said one parallel side engaging said straight edge face on both sides of said axis, when said workpiece abuts an interior corner of said angular notch.



2,570,992
HOOD HINGE
William A. Thomas, Chicago, Ill., assignor to The Four Wheel Drive Auto Company, Clintonville, Wis., a corporation of Wisconsin
Application October 5, 1946, Serial No. 701,482
4 Claims. (Cl. 16—128.1)



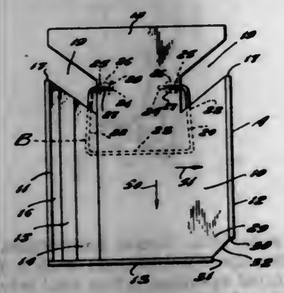
2. In a separable hinge connection between two members, the combination with a receptacle having a lateral opening, a top wall leading from said opening, a back wall connected with the top wall and a bottom wall obliquely inclined upwardly toward said opening and terminating in a marginal bead outwardly convex, of a channel sufficiently shallow to be bodily receivable through said opening, and having a flange partially closing said channel, the spacing between the receptacle back wall and bead being sufficient to receive said flange for admission into the bead and the width of the flange being sufficient so that when manipulated in engagement with the bead the flange substantially closes the receptacle opening.

2,570,993
PRESSURE COOKER
Charles Roger Turner, Enfield, Springfield Township, Montgomery County, Pa., assignor to Procter Electric Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1946, Serial No. 672,363
2 Claims. (Cl. 220—56)



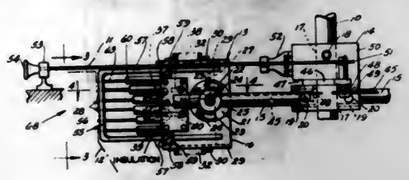
1. In a pressure cooker, a vessel having an elliptical top opening and an inturned lip about said opening, a handle secured to said vessel near the top thereof and extending from the vessel substantially in the direction of the minor axis of said opening, an elliptical lid or cover adapted to seat upwardly in said opening against said lip, a handle secured to said lid and extending therefrom substantially in the direction of the minor axis of the lid, the lid being insertable in place by tipping it partially into the vessel with the handles misaligned and then rotating the lid until the two handles are aligned, the top portion of the vessel wall adjacent the ends of the major axis of said elliptical opening being thickened inwardly so that the upper interior wall surface of the vessel adjacent the ends of the major axis of said opening is in close proximity to the opening so as to pilot the lid into proper position in relation to said opening, and said lip consequently is narrow at the ends of the major axis of said opening, thus facilitating pouring of the vessel contents, and means for latching the lid handle to the vessel handle when the lid is in proper position in relation to said opening.

2,570,994
DEVICE FOR ALIGNING SHEETS
William E. Vaughan, Jr., New York, and John C. Legler, Merrick, N. Y.
Application January 28, 1948, Serial No. 4,846
2 Claims. (Cl. 282—29)



1. A tray for holding stacked paper of different width comprising a base board having side edges and upper and lower end edges, said tray having upstanding walls along its side edges and along its lower end edges, the side walls terminating in spaced relation to upper ends of the side edges of the base board, said base board being formed with transverse slots leading from opposite side edges above the side walls at a downward incline and having their lower edges flush with upper ends of the side walls and their inner ends spaced from each other, and a series of steps in one side portion of said tray extending longitudinally in the tray between the lower edge wall and the lower edge of the slot in the said side portion of the tray and disposed in downwardly stepped relation to each other transversely of the tray and adapting the tray to receive stacks of paper of different widths.

2,570,995
HOLE AND PRESS-OFF DETECTOR WITH PLURALITY OF FEELERS
Edward Vossen, Lynbrook, N. Y., assignor to Stop-Motion Devices Corp., Brooklyn, N. Y., a corporation of New York
Application November 29, 1950, Serial No. 198,089
9 Claims. (Cl. 66—166)



1. In a hole and press-off detector for an open head knitting machine having a center shaft protruding below the cylinder line and extending into the circular cloth material being knitted, a support for attachment to said central shaft and extending substantially radially thereof to a short distance from said cloth material, a member with hole feelers having fingers resiliently urged against said circular cloth material, said member being slidably and pivotally mounted on the outer end of said support for sliding substantially radially of said shaft and pivoting laterally so that said member will be pivoted laterally when one of said fingers engages in a hole in said cloth during the knitting thereof, a pair of spaced flanges on said support, pins projecting from the sides of said member and engaging in slots formed in said flanges and comprising the means by which said member is slidably and pivotally mounted on said support, resilient means urging said member into a normal forward position in which said hole feelers engage said cloth, means for signalling the stopping of said knitting machine when said member is pivoted laterally, and a connector eccentrically connected with said member for simultaneously pivoting said member back to a substantially radial position and drawing said member backwards so that it may be released for again engaging said hole feelers against said cloth material.

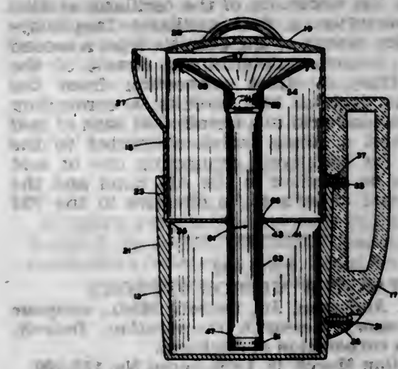
2,570,996
OIL BURNER
Murray Walshin, New York, N. Y., assignor to Silent-Flame Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application March 15, 1947, Serial No. 735,007
1 Claim. (Cl. 158—76)

An oil burner device of the class described comprising the combination of a fixed air guiding tube having an opening through a side wall thereof and a slot through a side wall thereof, a movable air guiding tube provided with a set of air guiding vanes adjacent the outer end thereof and having uninterrupted exterior and interior wall portions extending a substantial distance rearwardly from said air guiding vanes, said movable air tube being telescopically slidable along the fixed air tube, a longitudinally movable oil conduit disposed centrally within said air tubes, a set of air guiding vanes secured to and supporting said oil conduit at the interior of said uninterrupted rearwardly extending portion of the movable air tube and slidable along the interior thereof upon longitudinal movement of said tube or upon longi-



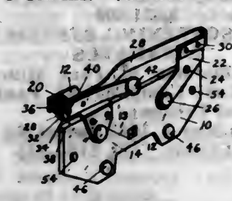
tudinal movement of said oil conduit, a portion of said oil conduit extending laterally through said wall opening of the fixed air tube for connection with an oil pump, and an arm connected with said movable air tube and extending through said slot through the fixed air tube side wall to a position a substantial distance outwardly of the fixed air tube for facilitating movements of the movable air tube.

2,570,997
COFFEE MAKER
Philip E. Willman, Chicago, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 16, 1946, Serial No. 710,246
3 Claims. (Cl. 99—317)



2. A coffee maker comprising in combination, a lower heating compartment, an upper essence-receiving compartment thereabove, a narrow coffee-grounds-containing tube extending substantially the combined height of said two compartments whereby said tube constitutes a duct extending from the bottom interior of the lower compartment to the top interior of the upper compartment, said lower compartment being otherwise closed so that pressure therein can force liquid therefrom up through said tube into said upper compartment, and filter means at both the top and bottom of said tube for retaining coffee grounds therein while permitting liquid to flow therethrough and contact coffee grounds substantially throughout the full length of said tube.

2,570,998
SWITCH FOR DYNAMOELECTRIC MACHINES
Samuel S. Wolff, Clayton, Mo., assignor to Century Electric Company, St. Louis, Mo., a corporation of Missouri
Application October 22, 1948, Serial No. 55,865
3 Claims. (Cl. 200—153)



1. A switch for use in dynamoelectric machines that comprises a support of insulating material, a fixed contact mounted on said support of insulating material, an elongated spring that has a reentrant end, said reentrant end being fixed relative to said support of insulating material and the other end of said spring being free, a movable contact secured to said other end of said spring, a stiffening plate carried by said other end of said spring, a switch arm secured to said other end of said spring so said other end of said spring and said switch arm are oppositely disposed of said stiffening plate, a stop movable with said spring and being engageable with said support of insulating material to limit movement of said spring, and a button carried by said switch arm, said switch arm being close to and approximately parallel to the said other end of said spring but being displaced from the rest of said spring and extending toward said reentrant end of said spring, said button being positioned intermediate the ends of said spring, said stiffening plate coacting with said switch arm and said other end of said spring to prevent appreciable bending of said switch arm or said other end of said spring until said movable contact engages said fixed contact but permitting bending of said switch arm and said other end of said spring after said movable contact engages said fixed contact, whereby said movable contact moves substantially linearly in moving toward said fixed contact.

2,570,999
TRAP HOOK
August E. Zech, Albany, N. Y.
Application March 16, 1949, Serial No. 81,805
4 Claims. (Cl. 43—37)



1. In a trap hook of the character described, the combination with a first, jaw-forming hook having an eye at one end adapting it to be connected to a line; of a second jaw-forming hook having an eye at one end; means pivotally connecting the eye of said second hook to said first hook in a zone intermediate the ends of said first hook, a third hook connected to said first hook in the eye thereof and provided with means in-

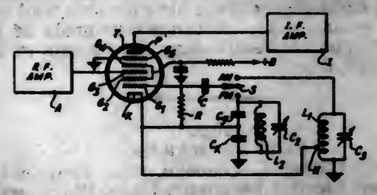
tegral therewith adapted releasably to engage said second hook and normally to hold said jaw-forming hooks in jaw-open position but adapted to release said second hook when a line connected to said first hook is jerked.

2,571,000
WATER SOFTENING SYSTEM AND APPARATUS
Lawrence E. Albertson, St. Paul, Minn., assignor to The McKays Company, St. Paul, Minn., a corporation of Delaware
Application May 1, 1948, Serial No. 24,470
15 Claims. (Cl. 210—24)



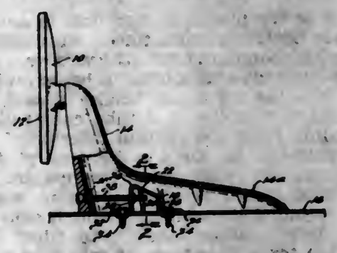
1. In a water softener, the combination with a container having a bed of softening medium, an inlet connection to said container and bed adapted to lead from a source of water supply under pressure and an outlet connection from said container and bed adapted to lead to locations of use for water, of a valve providing a first chamber with which said inlet connection is in communication and said outlet connection is adapted to communicate and a second chamber with which said first chamber is adapted to communicate by way of a first port provided by said valve, a first pipe connection leading from a location of said second chamber at a side of said first port to said locations for use of water, a second pipe connection leading from a location of said second chamber at a side of said first port opposite said first pipe connection to drain, a first connection providing a passageway for flow of water between said first chamber and said container and bed by way of a second port provided by said valve, a second connection providing a passageway for flow of water between said outlet connection and said first chamber by way of a third port provided by said valve, there being a fourth port provided by said valve between said first chamber and said first connection, means adapted to be actuated selectively to shut off communication between said first chamber and said first connection and said first port and between said second chamber and said first pipe connection and establish communication by way of said second connection, said outlet connection, said first connection, said first port and said second chamber from the first chamber through said container with softening medium to drain or to shut off communication between said first chamber and said second and third ports and establish communication by way of said fourth port, said first connection, said outlet connection, said second connection, said first port and said second chamber from the first chamber through said container with softening medium to drain while said first pipe connection is shut off from said second chamber, said means including a device adapted to be retained in the closed condition of said second port when communication between the first chamber and the second and third ports is shut off and there is differential in pressure between the source and outlet sides of said first chamber adapted to be actuated to the open condition of said second port in response to equalization of pressure at said source and outlet sides of the first chamber, mechanism for actuating said means, and time controlled means for retaining said first pipe connection shut off from the second chamber and said drain open to said second chamber adapted to be actuated to cause the drain to be shut off from said second chamber and the first pipe connection to be open to the second chamber.

2,571,001
CONVERTER CIRCUITS FOR FREQUENCY MODULATION-AMPLITUDE MODULATION RECEIVERS
Earl I. Anderson, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 4, 1945, Serial No. 632,728
4 Claims. (Cl. 250—36)



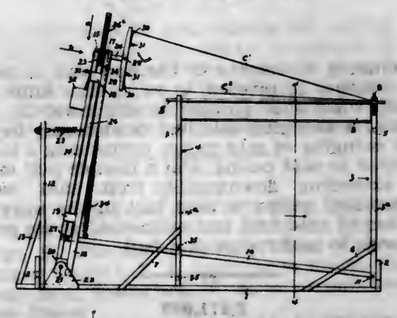
1. A converter system for a combined AM-FM superheterodyne receiver comprising a tube having a cathode and first and second grids which constitute the electrodes of the oscillator section of the converter, a first oscillator frequency-determining circuit of the Colpitts type, a second oscillator frequency-determining circuit of the Hartley type, a direct connection from the cathode to each of said circuits, a connection from the second grid to a terminal of each of said circuits, and a single switch connected to the first grid for selectively connecting one of said circuits to be effective in the AM band and the other of said circuits to be effective in the FM band.

2,571,002
REARVIEW MIRROR SUPPORT
James W. Anderson, Jr., Detroit, Mich., assignor to Accessory Research Corporation, Detroit, Mich., a corporation of Michigan
Application March 29, 1950, Serial No. 152,600
4 Claims. (Cl. 248—205)



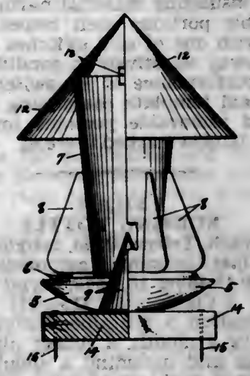
1. In a mirror assembly, a cam bracket attachable to a support, a mirror bracket, the two brackets having interengageable cam portions adapted to cam the mirror bracket tightly against the support upon movement of the mirror bracket in one direction along the support and also having interengageable wedge portions adapted to hold the mirror bracket against movement relative to the cam bracket in a direction along the support transverse to said first named direction, and screw means engageable with the two brackets to cause said movement by screw driven operation, said screw means having a threaded shank adapted to extend generally parallel to said first named direction and accessible at one end adjacent an outer side of the mirror bracket for screw operation.

2,571,003
TOBACCO LOOPER
Roy Anderson, Harnett County, N. C.
Application June 24, 1947, Serial No. 756,767
9 Claims. (Cl. 214—5.5)



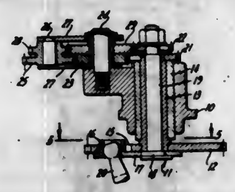
1. In a tobacco looper, a support, a stick holder mounted on said support, a rotatable shaft mounted on said support adjacent one end of said stick holder and carrying a cross arm having a pair of spaced-apart string guides, two string bobbins carried on said support, whose strings are passed through said string guides respectively, the free ends of the strings being adapted to be tied at a place remote from said cross arm to a stick held in said stick holder, and means for imparting 360° oscillations to said shaft.

2,571,004
FEEDER FOR RABBITS AND POULTRY
Ralph E. W. Bacon, Manhattan Beach, Calif.
Application October 16, 1948, Serial No. 54,877
1 Claim. (Cl. 119—52)



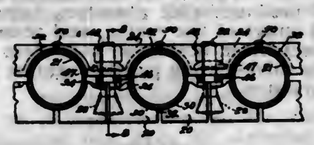
A feeder of the character shown and described including a bowl having its upper edge turned inwardly and downwardly to form an annular overhanging guard to prevent feed from being pulled out of the bowl, a conical feed holder centrally over said bowl, with cover therefor, and a series of vertical spaced supporting wings or vanes secured to said feed holder longitudinally thereof, around its circumference, and resting at their lower edges upon said inturned edge of said bowl, said wings projecting radially outwardly over the inturned edge of said bowl to define feeding spaces therebetween.

2,571,005
ADJUSTABLE GEARING
William F. Berck, Hayward, Calif., assignor to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application July 20, 1946, Serial No. 685,070
4 Claims. (Cl. 74—395)



1. In a device of the character described, a pair of concentric shafts, a first pair of coaxial dissimilar gears mounted on said shafts, a second pair of dissimilar coaxial gears meshing with the first pair of gears, a single compound gear having teeth meshing with the teeth of the second pair of gears whereby said second pair of gears and said compound gear form a train for the transmission of rotation from one gear of the first pair to the other gear of the first pair, and means for bodily moving the compound gear with respect to the second pair of gears to vary the relative angularity of the concentric shafts.

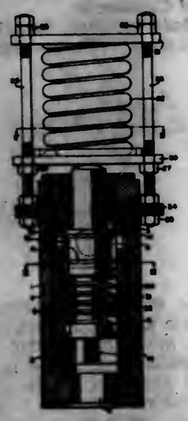
2,571,006
ARMOR BLOCK CONSTRUCTION
John Edward Biery, Jersey City, N. J.
Application January 27, 1949, Serial No. 73,172
4 Claims. (Cl. 122—6)



1. An armor protection unit for spaced tubes comprising two opposed blocks recessed laterally to receive the tubes and to fit partly between the tubes and partly covering the face of the tubes, the said blocks each being recessed centrally in their opposed sides to form one-half of a composite matrix, anchoring means to the rear of said tubes, a bolt with an enlarged head communicating at one end with the said blocks within said matrix, and at its other end with said anchoring means, the said enlarged head bearing upon the blocks only at its extreme periphery, the bolt being further adapted both to draw the blocks between the tubes and to wedge the blocks apart against the tubes, and means including a

rigid member extending forward from said anchoring means adapted to abut said blocks and thereby prevent the bolt from drawing the blocks between the tubes beyond a predetermined point whereby the blocks will thereafter pivot toward the tubes in response to the wedging action of the bolt within the said recesses.

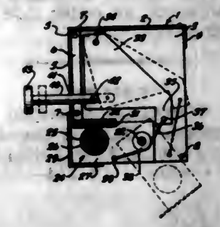
2,571,007
RELIEF VALVE
Florence C. Biggert, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1947, Serial No. 765,125
11 Claims. (Cl. 137—53)



1. An hydraulic pressure relief valve comprising a housing having an inlet and an outlet at the opposite ends thereof a separable casing within said housing having an inlet and an outlet and provided interiorly between the inlet and outlet with a series of transverse collars that are spaced from each other and are provided with aligned openings, a movable valve stem extending through said openings and provided with a series of valves so spaced from each other that in valve-closing position of said stem one valve registers with each of said collar openings and establishes a limited clearance between said valves and said collars, said casing, collars and valves forming a series of pressure-relief chambers between the inlet and outlet of the casing, and pressure-applying mechanism acting on said stem to urge it towards valve-closing position against hydraulic inlet pressure.

2,571,008
MARKING DEVICE AND INKER THEREFOR
Merrill E. Beckelee, San Gabriel, Calif.
Application September 12, 1946, Serial No. 696,525
1 Claim. (Cl. 101—103)

In a hand stamp, a casing adapted to be held in the hand and having an open bottom, marking means at the bottom of said casing for pressure against work to be marked by hand pressure exerted downwardly against the casing, and means for applying ink to said marking means comprising a transverse inking pad in said casing, a bail, means pivotally mounting said bail in said casing for swinging upwardly and downwardly into and out of the bottom of said casing respectively, a roller mounted in said bail for engagement with said pad by upward swinging of said bail and for rolling engagement with said marking means by downward swinging of said bail, spring means for swinging said bail upwardly to press said roller against said inking pad, and means for swinging said bail downwardly in opposition to said spring means comprising a plunger rod slidably extended into said casing and slidable inwardly thereof by finger pressure, a rocker pivoted in said casing above said bail for swinging about an axis parallel to the axis



of swinging movement of the bail and to which said plunger is pivoted to swing the same upwardly when said plunger is slid inwardly, and means for swinging said bail downwardly by upward swinging of said rocker comprising a pulley mounted to said casing, and a flexible pull member extending downwardly from said rocker around said pulley to said bail in the upswung position of said bail and connected at its opposite ends to said rocker and bail.

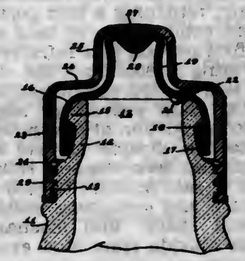
2,571,009
CONTROL OF X-RAY GENERATORS
Allan R. Brown, Oak Park, Ill., assignor to General Electric Company, a corporation of New York
Application December 7, 1948, Serial No. 64,018
12 Claims. (Cl. 250—93)



1. Control apparatus for an X-ray generator comprising a template for selectively actuating a plurality of switches controllingly associated with said generator, said template comprising a plate of insulating material having a plurality of removable portions each respectively corresponding with one of said switches and adapted to be cut away selectively to condition the template for performance of its switch controlling function, said template comprising surfaces adjacent said removable portions for containing identifying indicia marked thereon.

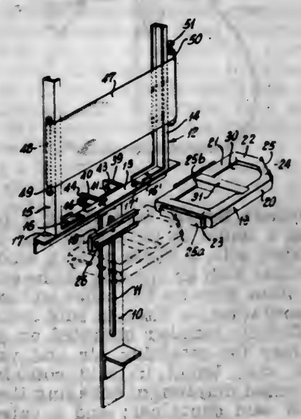
2,571,010
NURSING BOTTLE
Frank B. Busch, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application October 10, 1946, Serial No. 702,547
1 Claim. (Cl. 215—11)

In combination, a container having a reduced neck defining a mouth, a rubber nipple secured to said neck and including a shoulder and an attaching base part, an annular radial wall at the upper margin of the base, a reduced neck rising from said shoulder, an apertured tip closing the outer end of said neck, said wall having a vent opening formed to provide communication between the interior of the container and the atmosphere at times, a cap for completely enclosing the nipple, means for attaching the cap to said container, a radial annular wall inter-



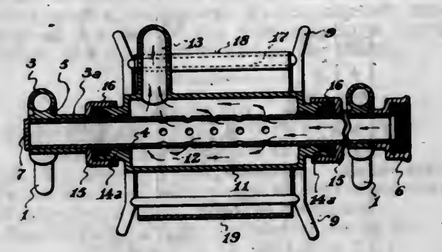
mediate the ends of said closure for sealing the vent opening when the closure is secured to the container, and means forming a part of said cap for indenting and thereby sealing the apertured tip, said last named means including a depending projection positioned axially of said cap.

2,571,011
DEVICE FOR POSITIONING AND IMMOBILIZING INFANTS TO BE X-RAYED
George E. Chapman, Saddle River Township, Bergen County, N. J., assignor to Smith-Chapman, Inc., Irvington, N. J., a corporation of New Jersey
Application September 9, 1950, Serial No. 184,099
11 Claims. (Cl. 250—50)



1. A device for positioning and immobilizing infants to be X-rayed, comprising an elongated upright supporting bar, a cassette holder secured to said bar, a seat supporting plate, means engaging said plate and bar for adjusted positioning of the plate on the bar and relative to the cassette holder, a seat block for holding the infant, said block having an internal opening defined by side and end walls for the legs of the infant, means on one or more of said end and side walls, for selectively engaging complementary means on said supporting plate to position the seat block thereon, and a crotch member having ends to slidably engage the side walls of the seat at opposed spaced points to position the crotch member transversely of the longitudinal axis of the seat for slidable movement relative to an end of the seat, to define therewith a constricted leg opening.

2,571,012
HOSE REEL
William F. Coats, Tulsa, Okla., assignor of one-half to Henry S. McCoy, Tulsa, Okla.
Application April 8, 1949, Serial No. 86,288
1 Claim. (Cl. 299—78)

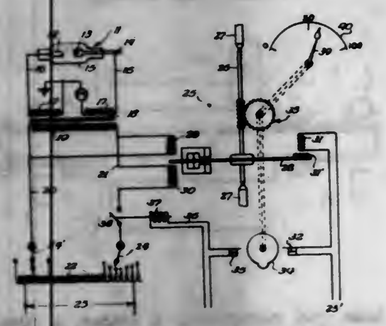


A hose reel comprising a frame, a rotatable reel carried by said frame, a perforated water supply pipe extending through said frame, said reel being rotatably mounted on the perforated pipe, said reel comprising a water collecting drum surrounding the perforated pipe and of greater diameter than the pipe, thereby forming a water collecting chamber, said reel including annular wheels, the ends of said water collecting drum being provided with reduced threaded members rotatable on the perforated pipe, caps carried by the water supply pipe and threaded on said reduced threaded portions of the drum, packing members interposed between the caps and the reduced threaded members thereby preventing axial leakage from the drum chamber, a water discharge pipe carried by the drum and terminating in a hose coupling, radial outwardly inclined arms carried by the drum and having their outer end connected to the annular wheels, cross connecting bars connecting opposite pairs of radial arms of the wheels, a cylindrical shield surrounding the drum in spaced relation thereto, said shield having a transverse space between which the discharge pipe extends, the ends of said shield terminating in rolls extending around adjacent connecting bars between the radial arms of the wheels, thereby forming the transverse space.

2,571,013
PROTECTION SYSTEM
Richard W. Cobean, West Allis, Wis., and Harold J. Holmquest, Oak Park, Ill., assignors to General Electric Company, a corporation of New York
Application September 7, 1948, Serial No. 48,004
15 Claims. (Cl. 250—93)

1. A protection system for an X-ray tube comprising the combination, with circuit means for energy delivery to said tube, of a watt hour meter type electrical motor having current and potential coils respectively energized in accordance with operating current and potential delivered to said tube whereby to drive the motor in one direction from a stand-by position toward an actuating position, at a driving rate proportional to the rate of power delivery to said tube, reverse driving means comprising a coil to drive the motor in the opposite direction toward stand-by position, at a rate proportional to the cooling

rate of said tube corresponding with the safe average rate of energy delivery in said translation system, a normally closed reverse drive control switch for energizing said reverse driving coils from a suitable power source, a normally open power control switch for controlling the delivery of energy through said circuit means to said tube, relay means operable to actuate said normally open power control switch to close the same for energy delivery to said tube, a normally closed



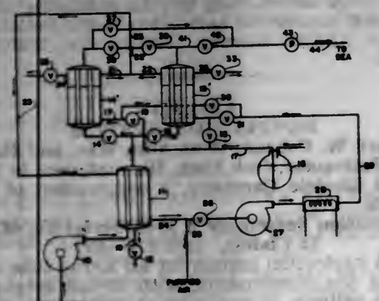
relay operating switch forming overload protection means, and switch operating cam means, driven by said motor for opening said normally closed relay operating switch, when the motor reaches its actuating position, to disable said relay and allow said power control switch to open, and motor driven cam means for actuating said reverse drive control switch to open the same and disable said reverse drive means when said motor reaches and remains in stand-by position.

2,571,014

PURIFICATION OF A CONFINED ATMOSPHERE BY A PROCESS OF REFRIGERATION

Allan P. Colburn, Newark, Del., and Barnett F. Dodge, Hamden, Conn., assignors to the United States of America as represented by the Secretary of the Navy

Application November 16, 1945, Serial No. 629,162
2 Claims. (Cl. 62—175.5)



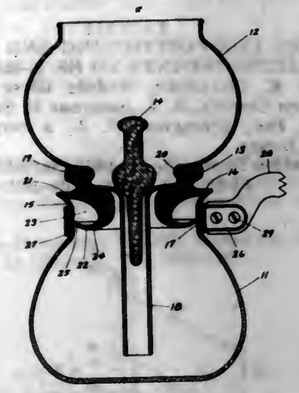
1. A process for the continuous purification by refrigeration at atmospheric pressure, of air containing moisture and carbon dioxide and wherein said air comprises the atmosphere of a confined space; said process including the following steps: forcing air from said space into a heat exchanger having a heating side and a cooling side; operating said exchanger at a temperature sufficiently low to condense substantially all of said moisture; discharging said condensed moisture from said exchanger; forcing said dried air into an evaporator; evaporating oxygen in said evaporator until its temperature becomes sufficiently low to freeze substantially all of said carbon dioxide; forming a mixture of said evaporated oxygen and said purified air; returning a first portion of said mixture to said cooling side of said exchanger; utilizing said first portion as a refrigerant in said exchanger; heating a second portion of said mixture; forcing said heated second portion of said mixture through said evaporator and utilizing said heated second portion of said mixture to defrost frozen carbon dioxide in said evaporator after the cooling has been stopped; returning said second portion of said mixture to said space; returning the third and remaining portion of said mixture to said space; and discharging said gaseous carbon dioxide from said evaporator.

2,571,015

COFFEE MAKER

John C. Columbus, Ferguson, Mo.

Application October 10, 1946, Serial No. 702,555
10 Claims. (Cl. 99—292)



1. A beverage brewer comprising a container for air and a liquid to be heated and having a neck provided with a flared rim; a second container provided with an opening at one end thereof and a hollow stem on the other end extending into said container; a filter in said second container; a flexible member mounted on said second container for retaining air and vapor derived from said liquid in said container and having a vented diaphragm engaging the wall of the neck of said container; and a valve flange on said flexible member having a portion seatable on said flared rim and spaced from said diaphragm to form a chamber in said flexible member, one wall of said chamber being the neck of said container, some of the vapor from said liquid being heated and at least some of the air in said container escaping through said vent into said chamber and thence to atmosphere by lifting said valve from said flared rim for enabling the liquid to be heated to a predetermined temperature before being forced into said container, said valve preventing ingress of air into said container after it has been cooled for enabling atmospheric pressure to force liquid from said second container into said first mentioned container as the vapor in said second container condenses.

2,571,016

PRODUCTION OF DICYCLOHEXYLAMINE

Lester J. Dankert, Midland, and Daniel A. Permoda, Bay City, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 16, 1949, Serial No. 93,628
5 Claims. (Cl. 260—563)

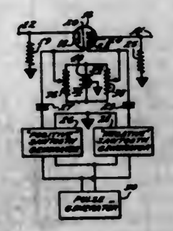
1. A method for the production of dicyclohexylamine which comprises reacting together hydrogen, aniline and phenol by heating a mixture of 9 molecular equivalents of aniline and at least one molecular equivalent of phenol together with palladium as a catalyst at temperatures between 100° and 200° C. in contact with hydrogen at a pressure of at least 120 pounds per square inch.

2,571,017

ELECTRONIC SWITCH

John L. Dempsey, Atlantic City, and Richard W. Sonnenfeldt, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 27, 1950, Serial No. 158,452
8 Claims. (Cl. 250—27)



1. In an electronic switch for opening and closing a circuit between an input terminal and an output terminal, in combination, electron tube means connected between said terminals and including anode and cathode electrodes connected one to each of said terminals, first and second conductivity control electrodes in said tube means for controlling the conductivity of said tube means as a function of the voltage on each said control electrode, a first source of periodically varying voltage, a second source of voltage varying simultaneously with said first source voltage and in a direction opposite to the direction of variation of said first source voltage at any given instant, said voltage sources being connected one to each of said control electrodes to vary simultaneously and in opposite directions the effect of said control electrodes on the conductivity of said tube means, and means to adjust separately the voltage level required at each said control electrode to establish conductivity between said terminals through said tube means.

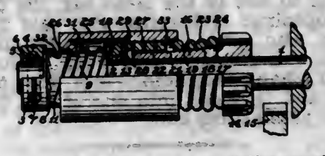
2,571,018

ENGINE STARTER GEARING

James J. Digby, Elmira, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware

Application May 1, 1950, Serial No. 159,331
6 Claims. (Cl. 74—7)

1. In an engine starter drive a power shaft, a sleeve fixed thereon, a driving overrunning clutch member fixed on the sleeve, a screw shaft and driven overrunning clutch member slidably journalled on the sleeve, a nut and barrel member threaded on the screw shaft, stop means on the sleeve limiting the travel of the nut member away from the driving clutch member, a pinion slidably journalled on the power shaft for movement into



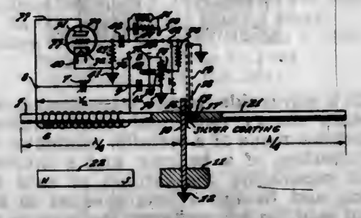
and out of mesh with a gear of the engine to be started, and a cylindrical elastic member connected at one end to the interior of the barrel member, and at its other end to the pinion.

2,571,019

ELECTRICAL COUPLING SYSTEM FOR MAGNETOSTRICTIVE ELEMENTS

Hugh L. Donley and Chandler Wentworth, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 30, 1948, Serial No. 24,373
10 Claims. (Cl. 250—36)



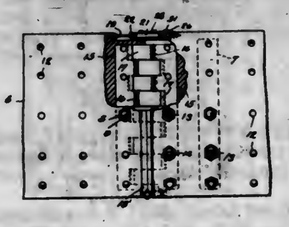
1. A vibratory structure comprising a rod of magnetostrictive material, a rod of dielectric insulating material coaxially aligned with said rod of magnetostrictive material, each of said rods being substantially one quarter wavelength in length, and means mechanically coupling said rods in end to end relationship including a relatively thin plate of a titanate ceramic having electrodes on opposite faces thereof and located between the adjacent ends of said rods to receive maximum pressure therefrom in response to magnetostrictive vibration thereof.

2,571,020

ANTISKID OVERSHOE

Herbert E. Earl, Sr., Roselle Park, N. J.

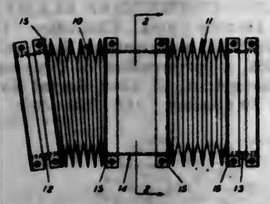
Application April 20, 1949, Serial No. 88,585
1 Claim. (Cl. 152—175)



An anti-skid attachment for a vehicle wheel comprising a rubber overshoe formed to a length to extend through the full outer circumference of a wheel and proportioned as to width to overlie the entire tread portion of said wheel; a plurality of spaced apart metal cross bars free of connections to each other and spaced circumferentially of said overshoe, each cross bar being molded within said overshoe and extending trans-

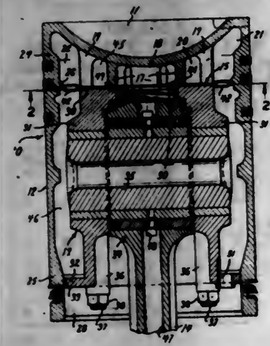
versely of the overshoe at right angles to the plane of the wheel, each cross bar being formed with a plurality of threaded openings spaced from end to end of the cross bar, the overshoe having openings registering with said threaded openings; and metal calks projecting outwardly from said overshoe, each calk including a threaded shank extending into the overshoe opening and threaded into one of the threaded openings of the cross bars.

2,571,021
FLEXIBLE WAVE GUIDE
Harold C. Early, Brighton, Mass., assignor to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,654
3 Claims. (Cl. 178—44)



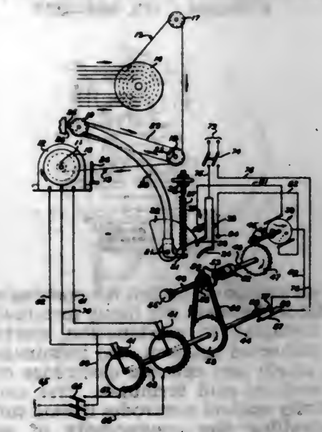
3. In a waveguide for the transmission of radio frequency energy, two equal length hollow flexible sections made of a metallic conductor having the formation of a bellows, and a hollow rigid section separating the centers of said flexible sections and having a length equal to that of each of said flexible sections, the lengths of said sections being such as to separate the centers of said flexible sections by a distance of one-quarter of a waveguide wavelength of the operating frequency.

2,571,022
PISTON COOLING
Louis E. Endsley, Pittsburgh, Pa., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application May 29, 1948, Serial No. 29,962
5 Claims. (Cl. 123—41.38)



1. In a piston assembly, the combination of a cylindrical piston body having a crown, a skirt, and strut means extending from the crown in a direction axially of the body, said body skirt having a straight cylindrical surface concentric with the body axis, an insert member formed with a flat upper face and a cylindrical bearing surface remote from the upper face, said insert being positionable in the body with its upper face opposed to said strut means, and having its remote cylindrical surface bearing at said straight cylindrical surface of the skirt to maintain the insert spaced from the crown and skirt and thereby provide crown and skirt chambers, the insert further providing an inlet opening in its upper face for supply of cooling medium to the crown chamber and a port adjacent its remote bearing surface for discharge of the cooling medium, and a baffle means disposed between the strut means and the upper face of the insert and arranged to separate the crown and skirt chambers, said baffle means having sets of vane elements defining ports for the control of the flow of cooling medium between said chambers during piston operation.

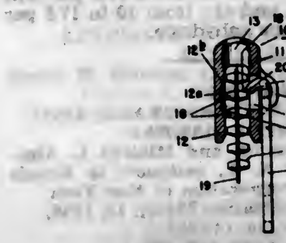
2,571,023
MECHANISM FOR CONTROLLING THE SPEED OF MOTORS
Edward W. Ertner, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1948, Serial No. 29,513
5 Claims. (Cl. 242—45)



1. In a takeup mechanism for a material handling machine having means for feeding material at a constant rate of speed comprising a takeup spool, an induction motor for driving said spool, a voltage supply for said motor, resilient means for supporting a loop of wire between the feeding means and the spool, a lever movable in response to changes in the length of wire in said loop, a cam surface movable with said lever, contacts actuated by said cam surface, a reversible motor connected to be driven in opposite directions in response to actuation of the contacts by the movements of said cam surface, a voltage supply for said reversible motor, and an auto-transformer driven by said reversible motor for controlling the voltage supply to the spool driving motor.

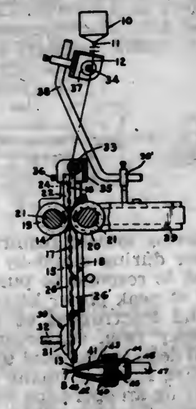
2,571,024
LOCKING SLIDER
Rudolf Feitl, Brooklyn, N. Y., assignor to Waldes Kohinoor, Inc., Long Island City, N. Y., a corporation of New York
Application January 25, 1949, Serial No. 72,573
2 Claims. (Cl. 24—205.14)

1. A pin-lock slider for slide fasteners of the type including a pair of stringer tapes carrying rows of oppositely disposed fastener elements along their adjacent edges, said slider comprising front and rear wings connected by a neck portion, a pull tab hingedly connected to the front wing for raising and lowering movement with respect thereto about a fixed axis, a locking pin integral with the pull tab and adapted to extend through an opening in the front wing a predetermined limited distance into the space between adjacent fastener elements of a row thereof disposed within the slider when the pull tab is in its lowered position, thereby normally to lock the slider to the fastener elements defining said space without displacement of said elements or of the tape carrying the same, the end face of



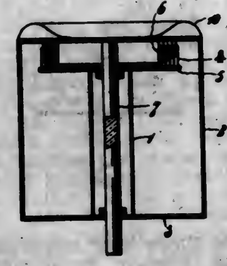
the locking pin being inclined to the pin axis and being adapted, when the pull tab is lowered as aforesaid and upon an abnormal strain being exerted on the fastener stringers in direction tending to move the slider in fastener-opening direction to engage on the front upper corner of the lower of said adjacent fastener elements and thereby to cam said element away from said locking pin, the inner face of the rear slider wing having a shallow recess for accommodating said element in its movement away from the locking pin, the end walls of the recess being sloped longitudinally of the slider so as to permit relatively free movement of the fastener elements through the recess upon said elements being successively cammed away from the locking pin as aforesaid.

2,571,025
APPARATUS FOR PRODUCING FIBERS
Ed Fletcher, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application December 30, 1948, Serial No. 68,162
4 Claims. (Cl. 18—2.5)



1. Apparatus for making glass fibers comprising means for flowing a plurality of streams of glass from a supply body of molten glass with adjacent streams individually accessibly spaced laterally from each other in a row, means for attenuating the streams to form rods of glass including a pair of rolls spaced from the supply means in the general direction of flow of the streams and engageable with opposite sides of the rods, a guide having a section supported at the side of the rolls facing the supply means and having a second section supported at the opposite side of the rolls, said sections having aligned grooves for respectively receiving the glass rods and the grooves in the second section converging from the rolls to substantially reduce the lateral spacing between adjacent rods and render said rods individually inaccessible, and a tensioning means for the rods between said supply means and said guide.

2,571,026
RESONANT CIRCUIT FOR ULTRASHORT WAVES
Barend Gerritt Fruithof, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 5, 1947, Serial No. 726,599
In the Netherlands May 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 24, 1964
2 Claims. (Cl. 178—44)

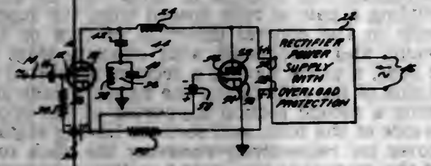


1. A resonant circuit for ultra-short waves comprising two concentric conductors interconnected electrically at one end thereof, and a concentrated capacitance between said conductors at the other end thereof, said concentrated capacitance comprising a variable capacitor having spirally wound electrodes, one of said electrodes having a width varying in the longitudinal direction thereof, the width of successive convolutions of said spiral electrode varying stepwise after a whole number of convolutions thereof.

2,571,027
ELECTRON TUBE PROTECTIVE SYSTEM
Lloyd P. Garner, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 9, 1950, Serial No. 148,723
6 Claims. (Cl. 315—349)

1. In a protective system for an electron tube energized from a high voltage source, in combination, a normally nonconductive short-circuiting element comprising a gas tube connected in parallel with said voltage source, current responsive voltage generating means in circuit with said electron tube for generating a firing voltage of predetermined magnitude and polarity in re-

sponse to the flow of current greater than a predetermined value through said electron tube, and



means coupling said voltage generating means to said gas tube to fire said gas tube in response to said firing voltage.

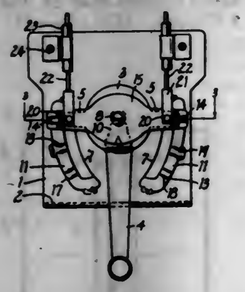
2,571,028

MULTIPLE PURPOSE DOUBLE-ACTING LEVER

William R. Gerry, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.

Application July 18, 1949, Serial No. 105,346

7 Claims. (Cl. 74—471)



1. A double throw lever comprising, a support plate having concave converging opposingly arcuate portions offset from the plane thereof by approximately the thickness of said plate, the inner edges of said concave portions being cut away along arcuate slots with radially outwardly extending pivot recesses in the diverging ends thereof, each concave portion and arcuate slot being concentric about the recess in the other slot, a lever having an actuating arm and a central portion disposed upon said support plate and having oppositely extending lateral arms with rounded ends engageable with the outer edges of said arcuate slots, a bolt disposed through the central portion of said lever and said support plate and having a washer on the rear side of said plate for retaining said lever on said plate, said support plate defining a V-shaped opening receiving said bolt, the branches of the V being concentric with respect to said pivot recesses, a leaf spring secured to said lever by said bolt and having oppositely extending arms overlapping the ends of the lateral arms on said lever and bearing against the arcuate portions of said support plate, said arcuate portions and the ends of said spring forming coacting detents and keepers, and pins projecting normally from the lateral arms and located along said arcuate slots, said pins forming actuating abutments for control cables and passing through said spring to prevent relative rotation between said spring and said lever.

2,571,029

ORGANOSILICON RESINS

John T. Goodwin, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application August 21, 1950, Serial No. 180,710

1 Claim. (Cl. 260—45.2)

A composition of matter comprising a mixture of from 2.5 to 15 per cent by weight of butylated melamine formaldehyde resin and from 85 to 97.5 per cent by weight of a resin composed of (1) 65 to 80 per cent by weight of a resinous material having the composition 65 to 75 molar per cent phenylmethylsiloxane and 25 to 35 molar per cent monophenylsiloxane, (2) 10 to 17.5 per cent by weight glycerine, and (3) from 10 to 17.5 per cent by weight phthalic anhydride.

2,571,030

ASTRINGENT, ANTIPERSPIRANT, AND METHOD OF MAKING

Thomas Govett, Summit, and Mildred L. Almquist, Maplewood, N. J., assignors to Rehels Company, Inc., a corporation of New York

No Drawing. Application March 15, 1950, Serial No. 149,898

6 Claims. (Cl. 167—90)

1. A composition of matter comprising a chlorhydroxy complex of aluminum and a non-toxic metal that has a valence not greater than 2 and that is soluble and non-toxic when in the form of its chloride, in the proportion of 4–7 atomic ratios of aluminum to 3 of chlorine and 0.2 part to 15 parts by weight of the said metal for 100 parts of aluminum, the composition being dispersible in a limited proportion of water to form a gel and soluble on greater dilution with water to form a solution.

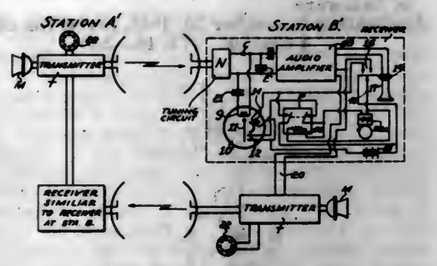
2,571,031

RADIO CALLING SYSTEM

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 4, 1945, Serial No. 571,223

2 Claims. (Cl. 250—2)



1. A radio receiving system requiring no consumption of power during stand-by or idle periods and adapted to respond to pulses of radio frequency energy of peak power higher than the average power and interrupted at a comparatively low frequency rate, comprising a signal collector, a crystal detector coupled to said signal collector, a sensitive relay resonant at said low frequency and having an operating winding connected in the output of said crystal detector, said relay having an armature and a contact, and a magnet tending to pull said armature toward said contact, an alarm circuit coupled to said contact and adapted to be energized upon engagement of said armature and said contact, an audio frequency electron discharge device amplifier also coupled to the output of said crystal detector and adapted to be unenergized during stand-by periods, a signal utilization circuit coupled to the output of said amplifier, a switch having energizing contacts for supplying energy to said amplifier, the physical position of said utilization circuit controlling said switch, whereby movement of said utilization circuit causes said energizing contacts to close and energize said amplifier.

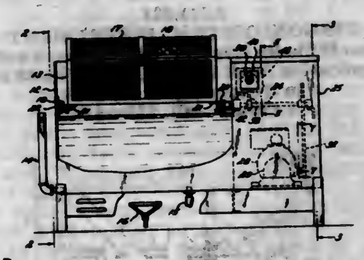
2,571,032

AUTOMATIC POULTRY SCALDING APPARATUS

Henry M. Hansen, Glendora, Calif., assignor to Gordon L. Stith, Glendora, Calif.

Application August 5, 1948, Serial No. 42,002

10 Claims. (Cl. 17—11.2)



1. A machine for scalding poultry, comprising a tank, a basket rotatable in said tank upon an axis disposed eccentrically to the volumetric axis of said basket, an electric motor operatively connected with said basket to cause rotation thereof, and means operatively associated with said basket in synchronism therewith for inactivating said motor upon completion of a predetermined number of revolutions of said basket.

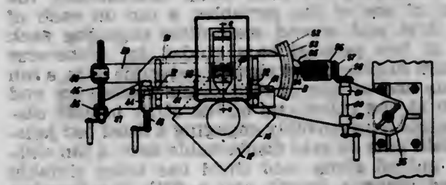
2,571,033

APPARATUS FOR POURING MOLTEN METAL

Isaac Harter, Jr., Beaver, Pa., and Temple W. Ratcliffe, Westfield, N. J., assignors to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania

Application January 13, 1948, Serial No. 2,114

5 Claims. (Cl. 22—79)



2. Apparatus for delivering a stream of molten metal to a subjacent casting mold comprising a pouring vessel, an arm horizontally disposed above said mold and having a pivotable bearing support at one end thereof, a plate directly supporting said vessel and resting upon said arm, and a vertically arranged pivotal attachment beneath said vessel between said arm and plate and slideably engaging a slotted opening in said arm.

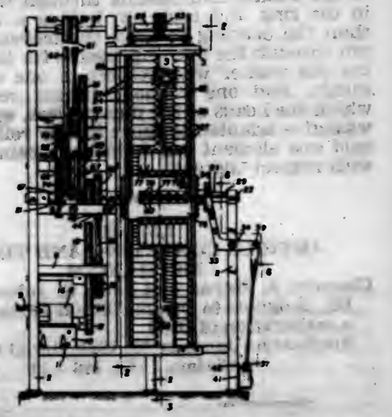
2,571,034

POULTRY PLUCKING MACHINE

Dillis I. Harvey, Plainwell, Mich.

Application March 12, 1947, Serial No. 734,125

4 Claims. (Cl. 17—11.1)



1. A poultry plucking machine including a frame, a shaft rotatably supported thereon, a poultry plucking disk wheel fixed upon said shaft, a shiftable poultry plucking disk wheel slidably mounted on said shaft for movement toward and away from said fixed wheel, alternate rows of long and short resilient plucking fingers on the inner opposed surfaces of said plucking wheels, said rows of fingers being arranged in a pattern whereby the rows when extended at their ends adjacent the axis of the wheels are tangent to a common circle smaller than and concentric with each plucking wheel, treadle operated means for selectively varying the space between said wheels, means for locking said wheels in the desired adjusted position, a hub mounted on said shaft between said first mentioned plucking wheels and including radially extending, resilient plucking fingers, and power operated means for driving all of said wheels and said hub.

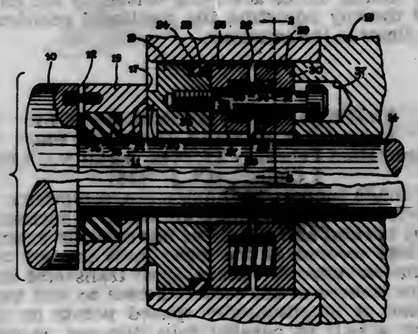
2,571,035

ROTARY "O" RING SEAL FOR ROLL-NECKS

Shirrel A. Hastings, Chicago, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application January 29, 1948, Serial No. 5,122

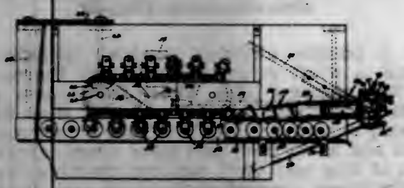
3 Claims. (Cl. 286—11.14)



1. A sealing device for relatively rotatable elements, said device comprising a sealing washer,

a ring spaced axially from the washer and disposed coaxially with respect thereto, a plurality of axially disposed openings in the ring, resilient means interposed between the washer and ring and tending to separate said washer and ring, a plurality of pins, each secured at one end to the washer and passing through the openings in the ring and each pin having a head larger than the opening to limit the movement of the pin through the opening, means for flexibly sealing the washer with respect to one of said elements, said one element having recesses into which the heads of the pins project, whereby said washer is adapted to move axially relative to the said one element but is locked against rotation with respect thereto.

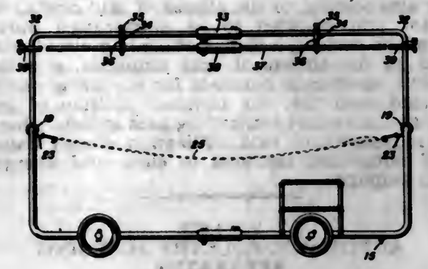
2,571,036
ARTICLE CONVEYING AND TIMING MECHANISM
Clarence A. Heyne and John R. Johnson, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application January 29, 1948, Serial No. 5,124
9 Claims. (Cl. 198—34)



1. The combination of a horizontal traveling conveyor for advancing articles placed thereon, a timing device for spacing the articles placed on the conveyor and timing their advance with the conveyor, said timing device comprising a horizontal shaft positioned over the conveyor and extending in the direction of the travel of the conveyor, the timing device having a spiral surface for engaging articles placed on the conveyor, the spacing of adjacent convolutions of the spiral being progressively increased in a forward direction for gradually increasing the spacing between adjacent articles placed on the conveyor in engagement with said spiral, a motor, means providing driving connections from the motor to the said conveyor and timing device and interconnecting the conveyor and timing device for rotating the timing device in synchronism with the travel of the conveyor, and manually operable means for rotatively adjusting the timing device about the axis of said shaft while the conveyor and timing device are being driven by the motor and thereby adjusting the positional relation of the timer to the conveyor.

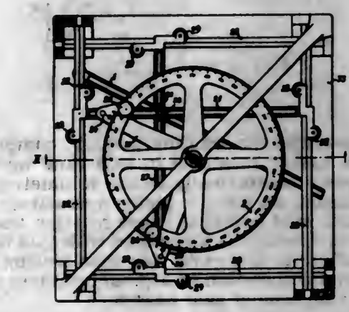
2,571,037
ADJUSTABLE HAMMOCK HANGER
Frederick P. Heffman, Dade City, Fla.
Application February 13, 1948, Serial No. 8,239
1 Claim. (Cl. 5—128)

A shade support for hammocks, comprising an inverted U-shaped frame affording a horizontal bight portion and a pair of downwardly extending legs secured at the lower ends thereof to a hammock support, a plurality of transverse arch beams secured at the center thereof to said bight portion at longitudinally spaced points on the latter, a pair of parallel rails disposed at relatively opposite sides of and substantially below said bight portion and secured to the ends of said beams, said rails extending at both ends beyond the respective ends of said bight portion, and a pair of straight cross bars connecting together the ends of said rails exteriorly of said legs,



whereby a shade secured to said rails and said cross bars may be downturned at all marginal edge portions thereof.

2,571,038
TRIGONOMETRIC INSTRUMENT
Linus Wilhelm Högberg, Stockholm, Sweden
Application April 18, 1949, Serial No. 88,086
In Sweden April 26, 1948
1 Claim. (Cl. 235—61)

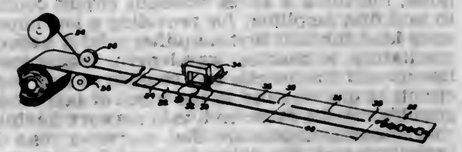


An instrument for the mechanical solution of problems of spheric trigonometry with four variables, comprising a first rotatable scale-disc having two symmetrical graduations running from 0° to 90° from a common origin, a second scale-disc coaxially rotatably mounted in relation to the first scale-disc and having graduations twice as large as the graduations of the first scale-disc and running symmetrically from 0° to 90° from a common origin, the positions of said two scale-discs relatively to each other determining the value of one of the variables, a pin on each of said first and second scale-discs engaging each one of two parallel bars guided for transverse parallel displacement along fixed guide bars, a pin at one end of one of said displaceable bars and a pin at the other end of the other of said displaceable bars movably engaging a third bar joining said pins on said displaceable bars, a pin slidably guided along said third bar being slidably guided along a fourth and a fifth bar forming right angles with each other and guided each for transverse parallel displacement along fixed guide bars, said slidably guided pin having its axis passing through the intersection of said fourth and said fifth bar, each of which is slidably engaged by one of two other pins disposed each on one of two arms pivotally mounted about the axis of a third scale-disc having on one half of its perimeter a double graduation running symmetrically from 90° to 0° and on the other half of its perimeter a graduation running from 0° to 180°, each of said graduations corresponding to a second and a third variable respectively indicated on each scale by said two arms, a third arm pivotally mounted about the common axis of rotation of the first and second rotatable scale-discs and adapted to be initially locked in a position relatively to a fixed point, which position corresponds to the value of the first named variable said third arm marking the value of the fourth variable on the scale of the first rotatable scale-disc.

2,571,039
SILOXANE ELASTOMERS COMPRISING A MODIFIED ACID POLYMER AND FILLER
James Franklin Hyde, Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application April 12, 1950, Serial No. 155,550
7 Claims. (Cl. 260—37)

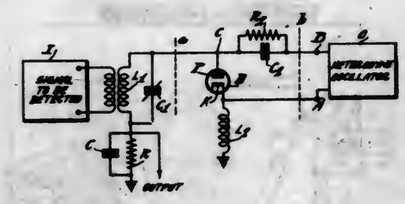
1. The method of preparing elastomeric polysiloxanes from a readily deformable acid polymer of at least 2,000 cs. viscosity at 25° C., which polymer is composed of a polysiloxane having from 1.9 to 2.1 hydrocarbon radicals per silicon atom, said radicals being selected from the group consisting of alkyl and phenyl radicals, at least 50 per cent of said radicals being alkyl, and an acidic compound selected from the group consisting of P_2O_5, phosphoric acids, and sulfuric acid, in amount such that the atomic ratio of P to Si and S to Si is from 1:50 to 1:50,000, which method comprises compounding said acid polymer with a filler in amount from 5 to 300 parts by weight filler per 100 parts by weight polymer and reacting the compounded material at a temperature from 25° C. to 300° C., with a silane selected from the group consisting of $R_nSi(OR')_{4-n}$ and liquid partial hydrolyzates thereof, where R is a monovalent hydrocarbon radical free of aliphatic unsaturation, R' is an alkyl radical of less than 9 carbon atoms and n has a value from 0 to 1, said silane being employed in amount such that there is at least one silane molecule per two phosphorous and sulfur atoms.

2,571,040
METHOD OF MAKING SWITCH PARTS
James W. Juvinall and Ames L. Quinlan, La Grange Park, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 37,576
5 Claims. (Cl. 29—155.55)



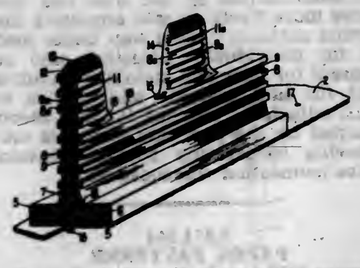
1. A method of making switch parts comprising continuously welding a ribbon of contact forming metal to a flat metal tape to form a composite strip, removing predetermined portions of said ribbon from predetermined spaced portions of said composite strip, and punching switch parts from said composite strip and in predetermined relation to the portions of ribbon thereon to form contacts on the switch parts along only a portion of a predetermined centerline thereof.

2,571,041
HETERODYNE DETECTOR CIRCUIT
Eugene O. Keizer and Vernon D. Landon, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 28, 1946, Serial No. 679,933
7 Claims. (Cl. 250—20)



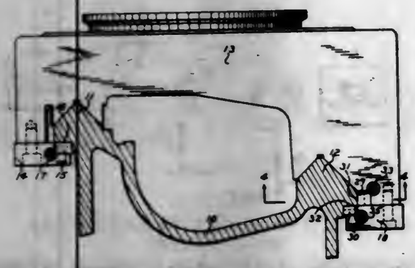
2. In a heterodyne detector circuit, a diode rectifier, an inductance element connected between the cathode of the rectifier and ground, a second inductance element and a load impedance element serially connected between the anode of the rectifier and ground, a source of signal oscillations coupled to said second inductance element, a local source of oscillations provided with a pair of terminals from which out-of-phase voltages are derived, an impedance means connected between one of said pair of terminals and the anode of said diode, circuit means connected between the other of said pair of terminals and the cathode of said diode, and a connection from the load impedance element for deriving the beat frequency resulting from mixing of the local oscillations with the signal oscillations.

2,571,042
BLADE FOR FOWL-PLUCKING APPARATUS
Calvin R. Kemp, Delaware, Ohio
Application January 8, 1947, Serial No. 720,706
3 Claims. (Cl. 17—11.1)
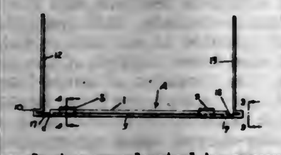


1. A blade for use in fowl-plucking apparatus comprising a continuous strip of flexible material such as rubber, said strip being provided with alternate recesses and projections on its outer upper surface, said projections being flexible and adapted to contact certain portions of the fowl, said lower portion of the strip having continuous ribs forming channel-like portions, said flexible projection portions being substantially flat yet tapering upwardly, said projections having closely-spaced small alternating ribs and notches on their outermost upper edges for facilitating the plucking of feathers and hair from the smaller body portions of the fowl.

2,571,043
MACHINE TOOL
Max E. Lange, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application December 15, 1945, Serial No. 635,212
2 Claims. (Cl. 308—3)



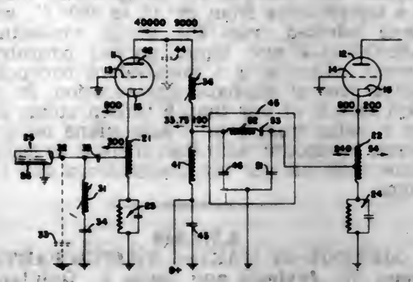
1. In a machine tool having a bed provided with a rear way, said rear way having its upper slide supporting side defined by angularly disposed inclined slide supporting surfaces, its rear side defined by a substantially vertical surface, and its underside adjacent the rear of the way by a substantially horizontal surface; a turret slide movable on said rear way and having contact with and supported by both of said angularly disposed supporting surfaces of the upper side of the rear way, a gib carried by said slide and engaging said substantially vertical surface at the rear side of said rear way, a cap carried by said slide and having a portion extending beneath said horizontal surface of the underside of said rear way, a second gib carried by said portion of said cap and located beneath and engaging said substantially horizontal surface on the underside of said rear way, the engagement of said gibs with said substantially vertical and horizontal surfaces of the rear way materially reducing the tendency of the slide to have a wedging or binding engagement with the upper side of the rear way and the underside thereof under the applied force due to the cutting action of the tool or tools carried by the slide and the slide can move more freely on said angularly disposed supporting surfaces of said way under load, and means for individually adjusting said gibs to compensate for wear and including an adjustable element for said first gib and carried by the slide, an adjustable element for said second gib and carried by the cap, said elements and said gibs having cooperating portions forming an operative connection therebetween.

2,571,044
PAPER FASTENER
Clarence Still Lynch, New Hyde Park, N. Y.
Application February 10, 1949, Serial No. 75,601
4 Claims. (Cl. 24—153)



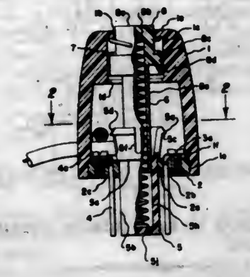
1. A paper fastener adapted to secure together a stack of papers, which comprises a base bar adapted to be engaged by the stack of papers to be fastened, projecting prong members extending from the base bar adjacent to the ends thereof, the said prongs being bent backwardly against the base bar to extend along the base bar to a position of reversed curvature, the said prongs then extending substantially parallel to each other, the base bar being provided with apertures adjacent to the prong members adapted to receive identical prong members of another identical fastener, the said apertures being positioned sufficiently close to the prong members so that both the first-mentioned prong members and the identical prong members register with, and pass through, the same registering punchings in a stack of sheets of paper, and locking means mounted on the base bar adapted to lock the said similar prong members when they are inserted in the said apertures and bent in paper-locking position against the base bar for locking the said similar prong members in their bent paper-locking position against the base bar, the said apertures in the base bar adjacent to the prong members enabling a plurality of similar fasteners to be assembled sequentially one on another for building up a stack of sequentially interlocking fasteners corresponding to increases in accretions of a stack of papers secured by the resulting stack of sequentially interlocking fasters.

2,571,045
AMPLIFIER COUPLING CIRCUIT
Alan B. Macnee, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,655
7 Claims. (Cl. 179—171)



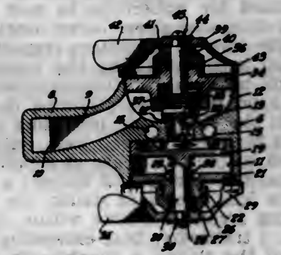
2. In combination with first and second amplifiers for operation within a predetermined band of frequencies, a circuit for coupling an input signal through said first and second amplifiers with optimum gain and bandwidth and minimum noise, including a series resonant circuit coupled to said first amplifier, for providing a low impedance load for said first amplifier, and a network simulating a quarter wavelength transmission line at said frequencies and coupled to said series circuit at one end and to the input of said second amplifier at the other end, said network having a characteristic impedance that is greater than the impedances of the elements coupled to its ends, said network serving to transform the low impedance load of said first amplifier into a higher impedance that is a suitable input impedance for said second amplifier, thereby producing minimum noise, and said network also serving to transform the low impedance presented to it by said second amplifier into a higher impedance which is presented as an additional load for said first amplifier, thereby producing optimum gain of a wide bandwidth.

2,571,046
SELF-EJECTING ELECTRIC PLUG
John J. Maisey, Palm City, Calif.
Application November 21, 1949, Serial No. 128,609
3 Claims. (Cl. 173—361)



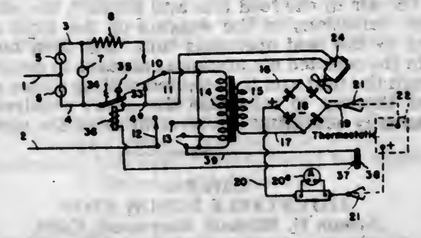
1. In a self-ejecting electric plug, a frame, a plunger in said frame having a portion thereof projecting from one end of the frame, an ejector reciprocally mounted in said frame in opposed relationship to said plunger, a spring tending to force said plunger and said ejector away from each other, whereby said spring tends to force said ejector outwardly of said frame, a pair of conductor prongs parallel with said ejector and substantially coextensive therewith when extended, said frame having an inwardly projecting latch ledge, said ejector having a plurality of resilient segmental fingers provided with buttress latch portions, adapted to engage said inwardly disposed ledge of said frame and means for releasing said segmental fingers from said ledge.

2,571,047
MIXING VALVE
Marion F. McWilliams, Jr., Hollywood, Calif.
Application August 1, 1945, Serial No. 608,261
8 Claims. (Cl. 277—66)



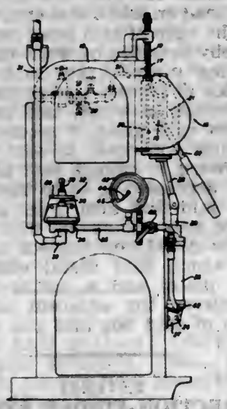
1. In a mixing valve, a generally circular valve body forming a mixing valve chamber and a discharge valve chamber therein, a partition within said valve body separating said valve chambers and having a pair of inlet passages therein communicating with said mixing chamber through a flat wall thereof, a plate valve within said mixing chamber disposed in contiguous relation with said flat wall to control flow from said inlet passages into said mixing chamber, a handle disposed exteriorly of said valve body and connected to said valve to actuate the latter, said partition having a flow passage therein communicating said valve chambers with one another, a valve in said discharge chamber to control admission of fluid into said discharge valve chamber through said flow passage, and a handle disposed exteriorly of the valve body to actuate said last named valve.

2,571,048
SIGNAL MEANS FOR BATTERY CHARGERS
Lewis A. Medlar, Oreland, Pa., assignor, by mesne assignments, to Sterlingworth Company, Philadelphia, Pa., a corporation of Delaware
Original application November 3, 1949, Serial No. 125,324. Divided and this application September 11, 1950, Serial No. 184,249
4 Claims. (Cl. 177—311)



1. A battery charger comprising a transformer having primary and secondary windings, a pair of power leads, means for connecting said leads to said primary winding so as to provide either a relatively high resistance or a relatively low resistance input circuit, as desired, a rectifier connected with said secondary winding, an automatic circuit breaker in each input circuit, a single signal means, and circuit connections operable upon the opening of either circuit breaker to supply current through the other circuit breaker to said signal means.

2,571,049
PNEUMATIC COUNTERWEIGHT
Milton J. Meylich, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 9, 1946, Serial No. 709,039
1 Claim. (Cl. 90—15)



A pneumatic counterweight for a vertically slidable unit of a milling machine operated by a mechanism under the control of a manually actuable lever, the unit having milling cutters selectively carried thereby and varying in weight with variations in the number and sizes of the milling cutters carried by the unit, the pneumatic counterweight comprising an air cylinder mounted beneath the unit and having a piston movable therein by air under pressure, a connecting element interposed between the piston and the unit whereby a given force applied to the under side

of the piston by air under pressure will be translated to the unit through the connecting element, a supply line for air under a given high pressure, a feed line leading from the supply line to the bottom of the cylinder beneath the piston, a control valve, having an actuable plunger, interposed between the supply line and the feed line, and a member movable to actuate the plunger of the control valve and hold the plunger in any of a plurality of positions to first vary the pressure of the air in the feed line and beneath the piston with variations in the weights of the tools carried by the said operating unit, and then maintain the selected air pressure constant to counterweigh the unit and the selected milling cutter carried thereby to minimize the effort required in manually actuating the lever to move the unit.

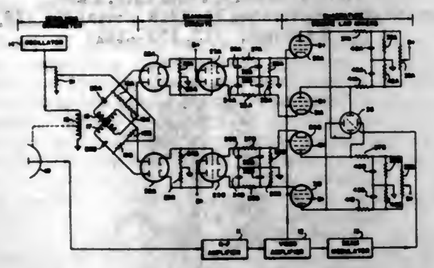
2,571,050
ADJUSTABLE BENCH STOP
Joseph U. Michell, Rosemead, Calif.
Application April 5, 1948, Serial No. 19,049
1 Claim. (Cl. 144—306)



A bench stop for use with a work bench having a slot to receive said bench stop, comprising a plate, means for securing said plate to said work bench so as to leave exposed a portion of said slot, spaced ears depending from said plate adjacent one end thereof into said slot, a dog pivotally mounted between said ears for movement in a vertical plane, said dog having a first arm extending beyond the opposite end of said plate into the exposed portion of said slot and inclined so that its distal end may emerge upwardly from said slot, a head on said distal end, work-engaging means on the edge of said head remote from said plate whereby pressure of work-material against said engaging means urges said dog to rotate about its axis of pivotal connection to said plate in that direction in which said head would rise higher above said plate, a second arm on said dog extending oppositely to said first arm and inclined upward to engage said plate when said first arm is depressed so as to then limit the depression of said first arm, a set screw threaded in said plate and engageable with said first arm adjacent the distal end thereof to regulate the height to which said distal end may extend above said plate, and a spring-urged friction member between the adjacent surfaces of the hub portion of said dog and one of said ears.

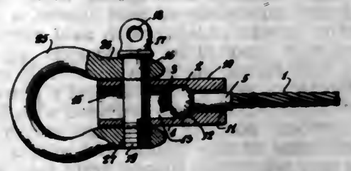
2,571,051
DIRECTION-FINDER SYSTEM
Carlton A. Mixsen, Cambridge, Mass., assignor to the United States of America as represented by the Secretary of War
Application March 1, 1946, Serial No. 651,313
5 Claims. (Cl. 343—118)

5. A radio direction-finding system, comprising a rotatable directional receiving antenna, scanning voltage deriving means synchronized with the rotation of said antenna, means for deriving video signals from said antenna, square-law signal mixing circuit means connected to receive the output of said scanning and said deriving means, and a cathode ray oscilloscope having a ray deflection system and an intensity control respec-



tively connected to said mixing means and said deriving means.

2,571,052
SWIVEL TERMINAL FOR CABLES
Wadsworth W. Mount, Summit, N. J., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application June 9, 1945, Serial No. 598,620
2 Claims. (Cl. 287—52)



1. A swivel anchor connection for cable including in combination, a terminal member comprising a rounded base and a swaged shank of smaller side extending along the cable from said terminal member, the portion of the cable passing through the terminal member being nowhere of greater diameter than the original cable outside the terminal member and depending upon the swaged contact for adherence to said terminal member, an elongated sleeve bored longitudinally from opposite ends to diameters respectively for receiving and accommodating the rounded base and its shank for axial rotation relatively to said sleeve, and a bearing surface joining the respective bores in the sleeve and providing a smooth bearing seat for said rounded base, said surface being formed within the sleeve at a point spaced from the shank receiving end thereof a distance less than the length of said shank, the terminal member being freely rotatable within the sleeve at all times, a transverse bore extending through both walls of the sleeve, a shackle-pin mounted in said bore and pivotally supporting a shackle outside the sleeve, said bore being adjacent the inner end of the base, and the total length of the sleeve being not substantially greater than twice the length of the portion of the terminal member within the sleeve.

2,571,053
MANUFACTURE OF METHYL AMINO PHENOL
Gordon S. Myers, Guelph, Ontario, Canada, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1947, Serial No. 738,739
6 Claims. (Cl. 260—574)

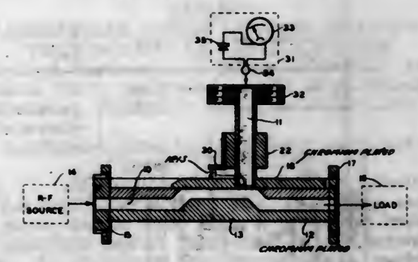
1. A method of preparing N-methyl-p-aminophenol which consists in concurrently adding formaldehyde and gaseous hydrogen to a solution of p-aminophenol in a solvent consisting essentially of an alkali metal hydroxide dissolved in water, said solution containing from 1 to 5 molecular proportions of said alkali metal hydroxide for each molecular proportion of p-aminophenol, in the presence of a catalytic amount of a hydrogenation catalyst, maintaining the reaction temperature at from 0° C. to 50° C., the formaldehyde being added at a rate such that one equivalent thereof is added for every equivalent of hydrogen consumed.

2,571,054
SWITCH PLATE FOR ELECTRICAL SWITCHES
Lewis Newman, Harrison, N. J., assignor to The Daven Company, Newark, N. J., a corporation of New Jersey
Application October 22, 1949, Serial No. 122,979
7 Claims. (Cl. 200—166)



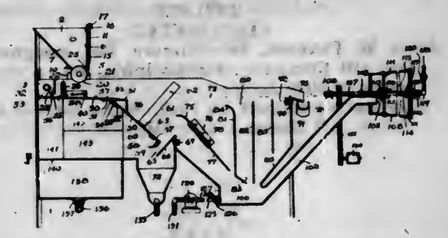
1. In an electrical switch, an insulation contact carrying plate, a plurality of individual metal contacts electrolytically deposited on said carrying plate, certain of said contacts having recesses extending thereinto from one edge thereof, said carrying plate having grooves therein corresponding to and extending beneath the recesses of the recessed contacts, and connection wires in said grooves extending into the grooves below said recesses and soldered to said contacts.

2,571,055
TRAVELING DETECTOR FOR WAVES PROPAGATED THROUGH A WAVE GUIDE
Arnold T. Nordsieck, New York, N. Y., assignor to the United States of America as represented by the Secretary of War
Application November 27, 1945, Serial No. 631,175
4 Claims. (Cl. 171—95)



1. A traveling detector comprising an element of conducting material provided with a bore extending therethrough to define a wave guide; said bore comprising a first portion, a second portion offset laterally therefrom and having a boundary aligned with an outer surface of said element thereby providing an opening along said wave guide, and a third portion connecting said first portion with said second portion and forming a bend with each said first and second portion, the distance between said bends being substantially a quarter of the guide wave length at the midband frequency of the operating frequencies; a wall arranged to cover said opening, said wall being movable along said wave guide and being provided with an aperture, and means coupled to said wave guide by said aperture for indicating the magnitude of wave energy in said wave guide at the position of said aperture.

2,571,056
VEGETABLE SEPARATOR
George J. Olney, Westernville, N. Y.
Application February 2, 1949, Serial No. 74,201
2 Claims. (Cl. 209—173)

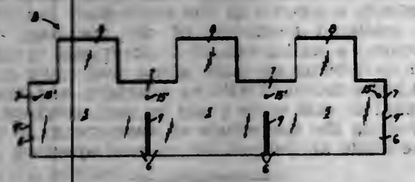


1. In a vegetable cleaner and separator, a trough having a slanting base, a dam mounted in said trough, a removable U-shaped member fitted to said dam, a removable plate disposed at an angle to said trough, a lip member having a vertical side to aid in holding said plate in position, ledges mounted in said separator for supporting said plate, swinging arms mounted in said separator to aid in holding said plate in position, a trough formed on the lower part of said plate to aid in forming a passageway, a removable V-shaped member cooperating with said last named trough to complete said passageway, a separating unit formed below said passageway, a main tank formed in said casing, another tank disposed adjacent said first named tank for separating the good material from the foreign material, a baffle plate having a curved upper end for deflecting the flow from said passageway, other baffle plates mounted in said last named tank for deflecting the good material towards the bottom of said tank, a gate mounted to said tank for deflecting the good material into said tank and an exit passageway for the material to move out of said tank.

2,571,057
SHINGLE AND SHINGLE COVERING
Robert Patterson, Memphis, Tenn., assignor to Multi Shingle Corporation, Memphis, Tenn., a corporation of Tennessee
Application July 21, 1947, Serial No. 762,363
7 Claims. (Cl. 108—7)

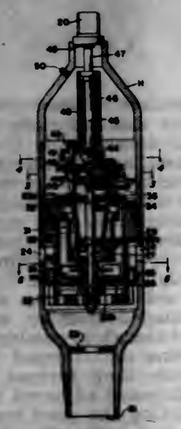
1. A shingle consisting of an elongate body of roofing material formed with a plurality of spaced notches opening from one longitudinal margin and a plurality of spaced tabs in the opposite longitudinal margin, with the notches and tabs located in longitudinally staggered and symmetrical relation, the width of the shingle being greater than the combined length of a notch and tab to provide a connective width of body material bridging each notch and the corre-

sponding space between adjacent tabs, the area of each tab and each intervening space being substantially equal, and each of the opposite free ends of the shingle being similarly formed with



a half-notch and a lug, the connective width of material and the end lugs forming shingle areas for the location of shingle nails with the notches forming locating guides therefor.

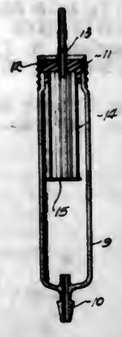
2,571,058
FLOWMETER
John M. Pearson, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 19, 1947, Serial No. 769,455
7 Claims. (Cl. 116—112)



1. In a flowmeter of the rotatable impeller type in which the housing is divided into separate chambers to enclose the operating parts and to direct the incoming liquid, the impeller rotation is transmitted to said operating parts by a shaft projecting through said housing and lubricating oil fills the operating parts chamber, the improvement in lubricating the bearings and preserving the efficiency thereof which comprises means to transmit the pressure of the well liquids throughout the lubricating oil in said housing; means to reduce the turbulence of the well liquids and lubricating oil within the housing to insure undisturbed pressure exchange between these mediums; and pressure directioning means to insure constant lubrication of all bearings.

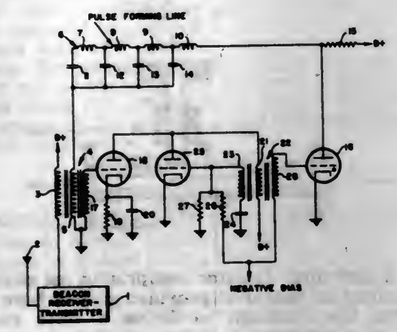
2,571,059
BLOOD STRAINER
George C. Puschelberg, Dearborn, and Warren B. Cooksey, Detroit, Mich.
Application June 5, 1947, Serial No. 752,708
4 Claims. (Cl. 210—164)

1. A straining device of the class described adapted for straining blood preceding and during the operation of transfusing blood into the veins of persons and animals, comprising: a hollow transparent receptacle open at one end and closed at its opposite end; a conducting tube projected through said closed end for conducting liquid into or out of said container; a strainer element projecting at one end into said container in spaced relation thereto and comprising a hollow elongated body unsupported intermediate its ends and having a plurality of circumferentially spaced, longitudinally directed flutes formed therein, said body being blood permeative and non-permeative as to particulate and gelatinous matter, said flutes being rounded at their inner and outer



edges with the particulate and gelatinous matter adapted to bridge the spaces between the flutes and adapted to be supported by the rounded portions of the flutes, the rounded portions of the flutes being spaced apart a distance sufficient only to permit slight movement of the film at its unsupported portions into the spaces between the flutes with the film between the flutes being sufficiently thin and orificed by normal pressure of blood passing through the filter, an imperforate closure for the inner end of said strainer; and a closure for the outer end of said strainer of larger diameter than the inside diameter of said container and engaging the open end of said container and formed from compressible material.

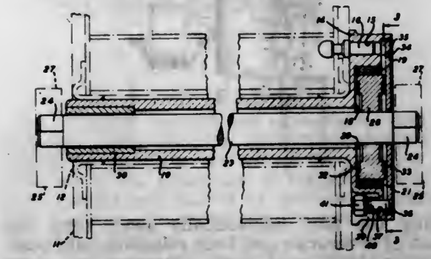
2,571,060
BEACON MODULATOR CIRCUIT
John C. Reed, Jr., Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 26, 1945, Serial No. 624,908
5 Claims. (Cl. 250—15)



2. In a modulator for a radio beacon, means for translating a first pulse, means responsive

to the output of said translating means for generating a second trigger pulse, a pulse forming line, and means controlled by said second trigger pulse for discharging said pulse forming line, and means controlled by said pulse forming line for supplying a disabling pulse to said translating means.

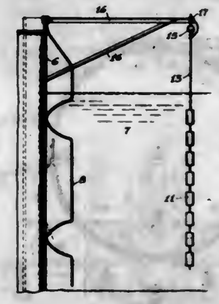
2,571,061
REEL SPINDLE
Ellwood W. Reynolds, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1947, Serial No. 748,465
3 Claims. (Cl. 242—156)



1. A spindle for a material supporting reel having a hub and rotatable about the substantially horizontal axis of the hub by the pull of material from the reel, the spindle comprising a shaft with its substantially horizontal axis substantially coincident with the axis of the hub, means to support the shaft adjacent the ends thereof and to hold the shaft against rotation, a brake element mounted concentric with the shaft adjacent one end thereof and held stationary thereby, a sleeve disposed in the hub of the reel to support the reel, a bearing member adjacent one end of the sleeve to support the said end of the sleeve for rotation with the reel on the shaft, a brake drum disposed concentric with the brake element supported thereby, fixed to the end of the sleeve opposite the bearing member and removably secured to the reel whereby the diminishing weight of the material on the reel, as the material is pulled therefrom, will create a diminishing brake drag between the brake element and brake drum with the decrease in the length of the lever arm at the point where the material pays off the reel to create a constant tension in the material.

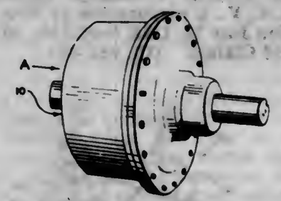
2,571,062
SACRIFICIAL ANODE SYSTEM FOR PROTECTING METALS IN SEA WATER
Harold A. Robinson and Hilary A. Humble, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application June 15, 1949, Serial No. 99,156
4 Claims. (Cl. 204—197)

1. In combination with a structure immersed in seawater and formed of a corrodible metal no more anodic than zinc, a protective system of sacrificial metal submerged in the seawater near the structure and comprising a rapidly-expandable quantity of magnesium metal of such shape as to have a surface area of at least 0.5 square foot per pound and such mass as to correspond to at least 0.012 pound per square foot of structure to be protected and a slowly-expendable quantity of magnesium metal of such shape as to have a surface area less than 0.1 square foot per pound and such mass as to correspond to at least 0.035 pound per square foot



of structure, all such magnesium metal being connected electrically to the structure.

2,571,063
VANE TYPE HYDRAULIC CLUTCH
William A. Roth, St. Paul, Minn.
Application March 12, 1948, Serial No. 14,599
13 Claims. (Cl. 192—58)

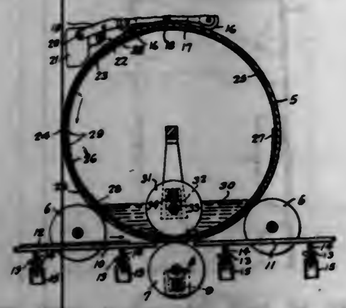


1. A hydraulic clutch including a casing member, a rotor member eccentrically supported in said casing member, a series of angularly spaced vanes supported by said rotor member for radial movement, said vanes being engageable against the inner surface of the casing member during rotation of said rotor member, a fluid chamber within said rotor member, said rotor including a passage from the surface of said rotor member to said fluid chamber between each successive pair of vanes, said passages forming the sole outlet for fluid between said pairs of vanes, a valve seat in each said passage, and a valve supported in each said passage movable toward and away from said seat, said valve being inwardly of said seat and urged toward said seat by centrifugal force, one of said members including return flow passage means from the fluid chamber to the outer extremity of the rotor.

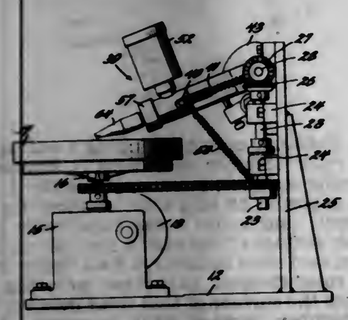
2,571,064
MOUNTING FOR STENCIL SCREENS
Charles F. Schaefer, Westport, Conn.
Application November 1, 1945, Serial No. 626,051
6 Claims. (Cl. 101—120)

1. In a machine of the character described, a hollow rotatable drum provided with a relatively large opening in its side wall, a flexible sheet support larger than said first opening and itself provided with a relatively large opening in alignment with the opening in the drum, a flexible porous material adapted for passage of a coating material secured to said flexible sheet over the opening therein, said flexible sheet being mounted at the inner side of the side wall of the drum and located with the porous material over the open-

ing in the drum, the porous material being larger than the opening in the flexible sheet so as to overlap opposite edges of said opening, and pressure means within the drum for forcing a coating material through the porous material to an article outside the drum.



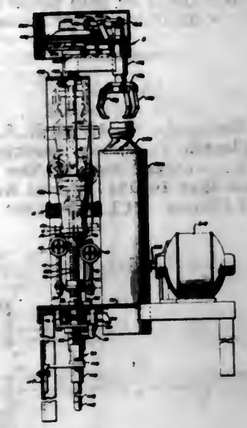
2,571,065
AUTOMATIC MACHINE FOR METERING AND APPLYING ADHESIVE TO DIAPHRAGMS
William A. Schneider, Greensboro, N. C., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1948, Serial No. 41,078
10 Claims. (Cl. 91—43)



1. In a machine for metering and applying adhesive to an article, an applicator for containing a metered charge of adhesive, a control shaft, means on the applicator for detachably mounting said applicator on the control shaft, an article conveying means, means for actuating the conveying means to move the article relative to the applicator, means for pivoting the applicator about the shaft into contact with the moving article, and means including a cam secured to the shaft for forcing the pre-metered charge of adhesive out of the applicator at a predetermined rate onto the moving article.

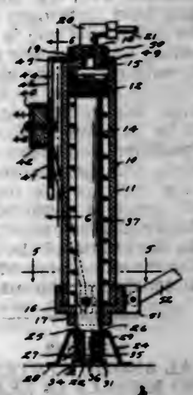
2,571,066
METHOD FOR FINISHING GLASSWARE
Carl W. Schreiber, Toledo, Ohio, assignor to General Glass Equipment Co., Atlantic City, N. J., a corporation of New Jersey
Original application June 19, 1947, Serial No. 755,780. Divided and this application July 26, 1949, Serial No. 106,965
1 Claim. (Cl. 49—77)

A process of severing a moil from an article of glassware comprising the steps of positively grasping the moil from above while the same is located with its longitudinal axis in a vertical position, severing the moil from the article of glassware by the action of a severing flame,



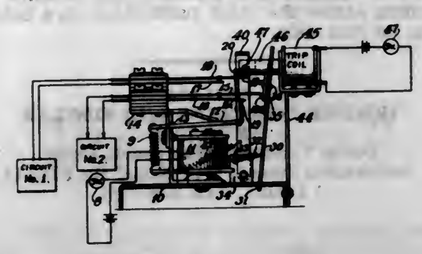
swinging the moil horizontally away from the position of severance and then releasing said positive grasp from said moil, whereby the same drops for disposal.

2,571,067
AUTOMOBILE JACK
Hugo Seckendorf, Albany, N. Y.
Application May 17, 1948, Serial No. 27,546
1 Claim. (Cl. 254—86)



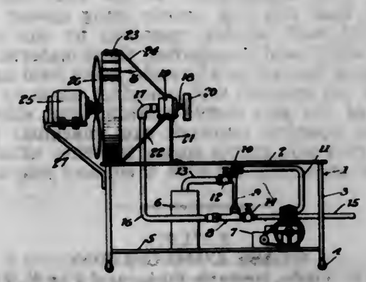
In a jack having a vertical supporting member and a reduced diameter lug depending from the lower end thereof, a mounting pad for said jack comprising an inverted frustroconical cup-shaped body, a flat peripheral flange about the rim of said body, an upwardly uniformly concave top wall having an enlarged opening therein on said body, a downwardly convex brass bearing member loose on said lug seating wholly within said concave wall, said lug engaging through said enlarged opening in said concave wall, a flanged washer on said lug within said body, a compression spring about said lug engaging the flange on said washer and said top wall resiliently holding said bearing member in engagement with said concave wall, and a cotter pin securing said washer on said lug.

2,571,068
RELAY WITH MECHANICAL HOLD-IN
Herman L. Selden, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application December 30, 1948, Serial No. 68,119
8 Claims. (Cl. 200—98)



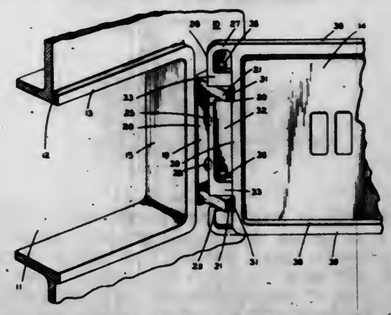
In a relay having an armature, and jack switches with contact springs projecting into operating slots in an armature member such that when the armature is attracted, said contact springs are moved by marginal portions of the corresponding slots, improvements comprising the following, namely: the provision of at least one of said slots which is wider in the direction of switch-contact-spring motion than another said slot, a spring-urged catch for the contact spring in the wider slot acting automatically to hold the said spring in an operated condition responsive to movement of said armature in one direction, said armature being free to move in the opposite direction and carry any contact spring in a narrow slot with it while the contact spring in the wider slot is held by said catch, and means for moving said catch into non-holding position.

2,571,069
ARTIFICIAL SNOW MACHINE
Russell M. Shearman, North Hollywood, Calif.
Application March 12, 1948, Serial No. 14,602
10 Claims. (Cl. 261—22)



1. An apparatus for forming and dispersing artificial snow flakes including a foam material tank, an air compressor, a pipe for supplying water under pressure, a series of conduits for connecting the water pipe air compressor and foam material tank including injectors for successively feeding and commingling the materials and discharging the same through a single outlet, a motor, a hollow shaft for the motor swivelly connected at one end to said outlet, and a perforated metering drum at the other end of said shaft.

2,571,070
HINGED DOOR FOR FURNACES AND THE LIKE
Harolde M. Simon, New Hartford, N. Y., assignor to Utica Radiator Corporation, Utica, N. Y., a corporation of New York
Application October 20, 1949, Serial No. 122,525
4 Claims. (Cl. 110—173)

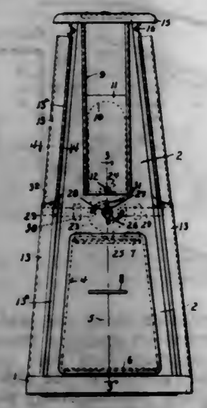


1. In combination with the wall of a furnace or the like having an opening therein, a door for closing said opening, said wall having a recess on its outer face adjacent one side of said opening and extending substantially parallel thereto, a supporting bracket having a base portion fitted in said recess and vertically spaced outwardly extending arms, said arms having vertically aligned apertures, means for connecting the base portion of the bracket to the wall of said recess, said door having at one side an outer flange and a spaced inwardly disposed flange parallel to said outer flange, and arranged to abut the front wall of the opening when the door is moved to its closed position, said outer flange and door having vertically spaced transverse slots through which the arms of said bracket extend, the space between said flanges adjacent said slots having transverse webs above and below the slots, said webs having vertical apertures aligning with the apertures in said arms, and hinge pins extending through said apertures for pivotally connecting the door to said furnace.

2,571,071
CABINET CLOSURE LOCKING MEANS
Harvey J. Smith, Greensboro, N. C.
Application December 18, 1947, Serial No. 792,372
1 Claim. (Cl. 312—217)

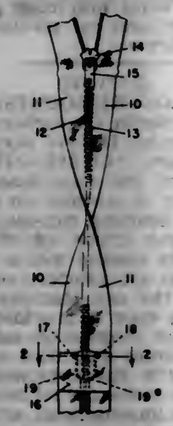
In apparatus of the class described wherein a chambered body is provided on its outer sides with partitions defining can-stacking recesses and wherein a can chute, an oil receiver and a can receiver are located within the chamber, and wherein wells are provided on the sides of the body below the can stacking recesses and wherein a sliding door is provided for covering the can stacks for location in said wells when desired, and wherein two door covered openings are provided in the front wall of the body for access to said chute and oil receiver and said can receiver, the improvement which comprises a sliding door for the opening to the can chute and oil receiver and a removable door for the can receiver opening, a locking disc oscillatably mounted within the body on its front wall and having a locking handle projecting through the same to the outside, horisontally disposed sliding bolts mounted on said front wall within the body and capable of being projected beneath the lower edge of the can stack doors when the same are in closed position, pin and slot connections between said bolts and said disc, said can chute and oil saver door having a handle with a shank,

said disc having a hook to hook over said shank and having a projection to engage said removable door when the same is in closed position to lock all doors shut when said disc is in one position and to release the same when said disc



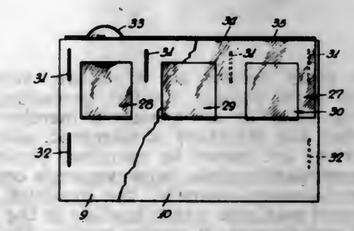
is in another position, said removable door having an upper groove-forming element, said projection being adapted to engage said upper groove-forming element and hold the door in its closed position, said hook and said projection being disposed at right angles to said pins.

2,571,072
SLIDE FASTENER
John G. Soave, Long Island City, N. Y., assignor to Walden Kohinoor, Inc., Long Island City, N. Y., a corporation of New York
Application October 22, 1948, Serial No. 55,981
2 Claims. (Cl. 24—205.11)



1. A slide fastener comprising a pair of tapes provided along their adjacent longitudinal edges with rows of oppositely disposed fastener elements, a slider for engaging and disengaging said elements, and a bottom closure therefor comprising a cross tape lying against the rear face of the fastener tapes in position such that it covers some of the lower fastener elements and extends below the lowermost fastener elements, a row of stitches securing the cross tape to the fastener tapes, said row of stitches running downwardly from the upper edge of the cross tape and transversely across the adjacent edges of the tapes below said lowermost fastener elements, the portion of the cross tape enclosed by the row of stitches forming an upwardly opening pocket adapted to receive the lower and rear portions of the slider when the latter is moved to its fastener-opening end position, the stitches extending across the tapes functioning as a bottom stop for said slider.

2,571,073
HOLDER FOR COINS AND SIMILAR ARTICLES
David V. Stroop, Glenbrook, Conn.
Application June 6, 1946, Serial No. 674,841
1 Claim. (Cl. 229—72)



In a holder of the character indicated, a frame comprising two side sheets of stiffly pliable material in face to face relationship and having registering window openings therein, said sheets being secured together, adjacent edges of said side sheets at one side of said window openings being free of each other at the marginal edges of said side sheets to permit springing apart when an article to be housed is forced between the said marginal edges and into said window openings, and transparent sheet material covering each of said window openings at the inner side thereof to confine an article therein, the free edge of the transparent sheet material covering at least one of said openings being extended beyond the adjacent marginal edge of at least one of said side sheets to facilitate the insertion of an article between said transparent sheets and said side sheets, said two side sheets being spaced apart adjacent said window openings by the double thickness of said transparent sheet material only, an article housed as aforesaid being held against falling out between said marginal edges by those edges of the side sheets defining that side of a window opening adjacent said marginal edges, when said side sheets spring together after passage of an article between them and into a window.

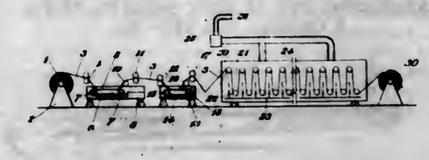
2,571,074
GLASS COMPOSITION
Ralph L. Tiede, Newark, Ohio, and Fay V. Tooley, Urbana, Ill., assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
No Drawing. Application November 2, 1948, Serial No. 58,027
8 Claims. (Cl. 106—50)

2. Glass in the form of fine fibers having substantially the following composition by weight:

	Per cent
CaO	19 to 25
Al_2O_3	12 to 16
SiO_2	52 to 56
B_2O_3	8 to 13
Fluorspar	

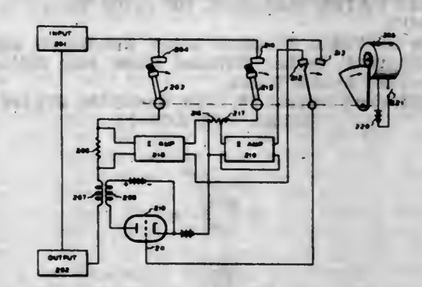
said fluorspar comprising up to 3% of the total weight.

2,571,075
GASKET MATERIAL AND METHOD OF MAKING SAME
John C. Tomunak, Chicago, Ill., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill., a corporation of Illinois
Application August 23, 1947, Serial No. 770,258
3 Claims. (Cl. 117—155)



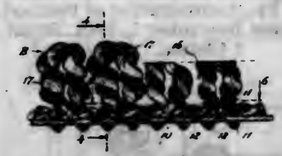
1. Process of forming a gasket material which comprises substantially saturating a highly absorbent paper by impregnating it with an aqueous dispersion containing about 40% solids wherein the solids comprise 100 parts butadiene-acrylonitrile copolymer, 20 parts clay, 3 parts sulphur, 1 part selenium diethyldithiocarbonate, 0.16 part sodium salts of polymerized alkylaryl sulfonic acid, 0.12 part casein, and 0.10 part sodium hydroxide; passing the paper through an acid coagulating bath which sets the solids in the paper, and drying and curing the impregnated paper by an application of heat.

2,571,076
ARC PREVENTION SYSTEM
Pierre Marie Gabriel Toulon, Paris, France, assignor to Products & Licensing Corporation, New York, N. Y., a corporation of Delaware
Application August 4, 1947, Serial No. 766,037
In France January 8, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 8, 1966
13 Claims. (Cl. 175—294)



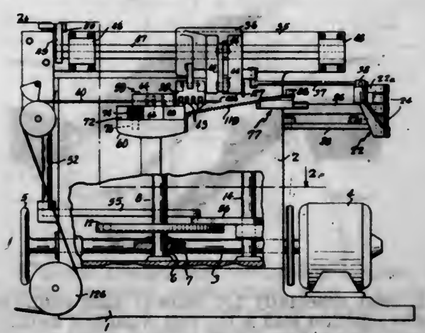
1. A system of sparkless commutation comprising: means for measuring the potential existing between two commutating contacts connected in a current carrying circuit only while said contacts are closing, said contacts when closed serving to complete said circuit, a feedback amplifier having an input circuit and an output circuit, means for applying said potential to said input circuit, means for coupling voltage deriving from said output circuit in series with said current carrying circuit for opposing said difference of potential only while said contacts are closing, and means for thereafter closing said contacts and for reducing to zero said voltage deriving from said output circuit after said contacts have been closed.

2,571,077
PILE FABRIC
Garfield J. Underwood, Broadalbin, and Albert J. Ammerall, Amsterdam, N. Y., assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 75,952
6 Claims. (Cl. 139—403)



1. In a pile fabric comprising stuffer warps, weft yarns crossing the stuffer warps in a plurality of levels, and binder warps crossing the weft yarns above and below at intervals across the fabric to bind the weft yarns in place relative to the stuffer warps, a pile made of warp yarns bound beneath weft yarns in one level and lying between adjacent spaced binder warps, the pile warp yarns having portions raised between adjacent weft yarns in the upper level to form pile elements, each pile element formed of one yarn lying offset warpwise from the pile elements formed of adjacent yarns on opposite sides of said yarn, each pile warp yarn being formed of a pair of singles yarn components plied together, one of the components being a relatively dense yarn having a relatively high twist of the same kind as and greater than the ply twist and the other component being a relatively soft and bulky back-twisted opened-up yarn having a substantially lower twist than the dense component, the bulky component being wrapped spirally about the dense component.

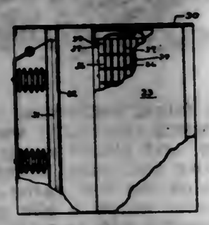
2,571,078
APPARATUS FOR FEEDING, SEVERING, STRIPPING, AND BENDING HOOKED WIRE LEADS
John Vollmer, Springdale, Conn.
Application August 6, 1948, Serial No. 42,835
19 Claims. (Cl. 140—1)



1. In a machine for preparing electrical conductor leads comprising means for stripping the insulation from the free end portion of an insulated lead wire, means for feeding the wire forward a given amount to determine the length of the lead, means for cutting off the advanced lead to length, and means for advancing the cut off lead longitudinally, bending jaws arranged to receive the stripped forward end of the wire as it is shifted to the cut off position by the feeding

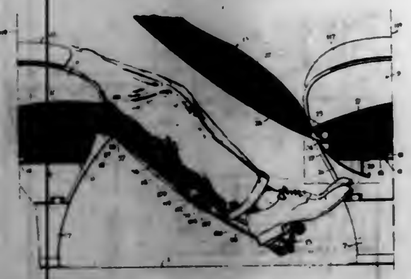
means, and means for operating the jaws during advancing movement of the cut off lead to bend a loop in the stripped end of the wire.

2,571,079
ELECTROSTATIC PRECIPITATOR
Ray W. Warburton, Medfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 1, 1948, Serial No. 62,931
7 Claims. (Cl. 183—7)



1. A collector cell for an electrostatic precipitator comprising a plurality of frames formed by mutually perpendicular, metal wires, screens of meshed filaments having relatively high, electrical resistances in said frames with their ends contacting same, said frames and screens being folded along substantially central lines so as to follow a zig-zag outline, a plurality of interconnected wires contacting said screens at substantially the centers thereof, and means for connecting said interconnecting wires and said mutually perpendicular wires to a source of electric current.

2,571,080
COMBINATION LEG REST AND RECLINING SEAT FOR VEHICLES
Michael Watter, Philadelphia, Pa., assignor, by mesne assignments, to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application November 27, 1945, Serial No. 631,131
3 Claims. (Cl. 155—171)



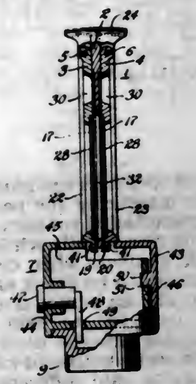
1. Seat especially for railway cars comprising a seat cushion and a leg rest attached swingably about a horizontal axis to the support for the seat cushion, one of said leg rest and said seat cushion being provided with an upholstered edge of part-circular cross section arranged concentrically to said axis, and providing padding at least as deep as from said edge to below said axis, and the other one of said seat cushion and leg rest being provided with a corresponding recess of part-circular section formed by upholstered padding so that the seat cushion and the foot rest present in any position of the foot rest a substantially continuous supporting surface and so that seating surface has an upholstered and resilient front edge irrespective of the leg rest and its position.

2,571,081
PNEUMATIC RACING GAME APPARATUS
Jack C. Wilson, Garden City, N. Y.
Application July 13, 1948, Serial No. 38,475
3 Claims. (Cl. 273—86)



3. The combination of a board, a main plate slidably mounted thereon and having a plane horizontally extending supporting surface for supporting an object, a spring for maintaining said plate in retracted position, a rod normally in retracted position, pneumatic means for advancing said rod, a latch plate for anchoring said rod to said main plate to enable said main plate to advance with said rod, means for tripping said latch plate to free said main plate after said main plate has been advanced a predetermined distance to allow said spring to return said main plate, whereby the object supported by said main plate moves forwardly with said main plate when said main plate is advanced but is free to remain in advanced position by its own inertia when said latch plate has been tripped and said main plate is returned into retracted position by said spring, and a second spring for returning said rod into retracted position after said latch plate has been tripped.

2,571,082
CLOCKLESS PARKING METER PROVIDED WITH COIN VIEW WINDOWS AND KEY ACTUATED RELEASE OF COIN TO COIN BOX
Lewis G. Wilkin, Pleasant Ridge, Cincinnati, and Richard F. Spiller, Urbana, Ohio; said Spiller assignor to said Wilkin
Application August 18, 1949, Serial No. 111,042
7 Claims. (Cl. 232—1)



1. A parking lot meter comprising a body having a vertically disposed panel and a coin receptacle at the bottom thereof, said panel having on a face thereof a vertically disposed coin slot open at the front thereof, and a cover disposed to lie flatwise against the slotted face of said panel to close the slot when in normal position, said cover being hinged at its upper end on said panel and having an aperture adjacent the top of said slot through which a coin may be inserted into said slot, said cover also having a ledge at its lower end disposed to underlie said coin slot and support coin therein when in said normal position, said cover having a window that is coextensive with the coin slot through which coins in the slot may be viewed, a rotatable cam disposed in an edge of said panel, said cam engaging said cover and being shaped to swing said cover away from said panel and the ledge thereof from under said coin slot to discharge coins into said receptacle, and a key actuated lock for turning said cam.

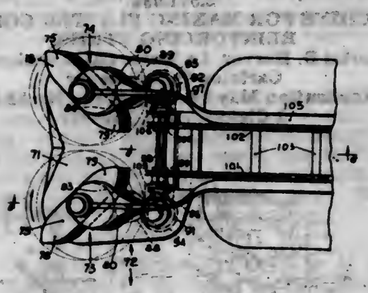
2,571,083
CONDIMENT HOLDER AND DISPENSER HAVING PRESSURE OPERATED MEANS FOR DISPENSING THE CONDIMENT
Wilmer C. Wilt, Red Lion, Pa.
Application February 25, 1946, Serial No. 649,837
1 Claim. (Cl. 222—184)



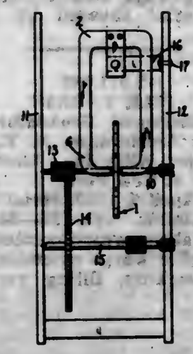
A condiment holder and dispenser comprising a hollow body having a thickened internal wall near the lower end thereof and an open upper end, a cover detachably connected to the upper end of the body, said thickened wall surrounding a well, a bottom wall for the well provided with an aperture therein, a tube registering with the aperture, a nipple on the tube through which the condiment disposed within the hollow body is discharged, a beveled upper surface on the thickened wall converging inwardly to the well, a beveled lower surface diverging from the bottom wall of the well to a point adjacent the outer edge of the body, said cover having a recessed portion therein, a rod extending through the recessed portion and into the hollow body, an operating head on the upper end of the rod, a disk on the lower end of the rod, and a spring disposed within the recessed portion surrounding the rod normally supporting the disk within the body above the well, the arrangement being such that depression of the operating head moves the disk into the well to force the condiment through the nipple.

2,571,084
GATHERING AND CONVEYING MECHANISM
Julius Yarmak, Wakefield, England
Application October 7, 1948, Serial No. 53,207
In Great Britain October 16, 1947
3 Claims. (Cl. 198—9)

2. A gathering and conveying mechanism for coal and like mining machines comprising in combination one pair of impellers situated one at each side of the material conveyed, rotatable in opposite directions to each other on substantially upright axles and having each laterally projecting gathering and conveying arms or flights each of which comprises a plurality of parallel and substantially horizontal plain laminae or comparatively thin blades mounted drivingly one above another on said axles, leaving a relatively thin gap or slot between each two adjacent laminae, and two fixed separation walls or laminated diaphragms each meshing with the arms of one impeller, and comprising a plurality of substantially horizontal laminae or relatively thin sheets immovably fixed one above another and located in the gaps of the arms or flights of said impellers.



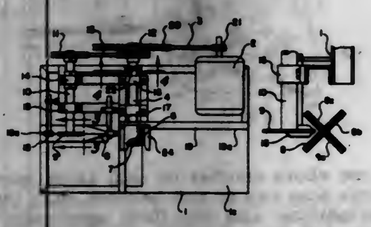
2,571,085
MAGNETIC ESCAPEMENT COUNTING AND LIKE MECHANISM
Cecil Frank Clifford, Bath, England
Application July 16, 1949, Serial No. 105,223
In Great Britain July 28, 1948
9 Claims. (Cl. 172—284)



1. A motor mechanism comprising a rotor, an oscillating member cooperating with the rotor member to effect a "magnetic lock" consisting of magnetic force acting across one or more air gaps between said members, said rotor comprising a magnet member of a wavy shape forming a wavy path corresponding substantially to the locus of the geometric projection of a co-operating pole-face or pole-faces of the other member upon it during relative rotation and oscillation, the member of wavy shape having extensions at each wave peak along which the co-operating pole-face of the other member is guided at each end of the oscillating movement

to maintain the "magnetic lock" and from which it returns to the wavy path as the oscillating member returns towards its mean position, said member of wavy shape having greater attraction for said other member on one side of said extension than on the other side.

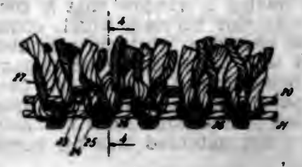
2,571,086
MACHINE FOR MAKING PLASTER CORNER REINFORCING STRIPS
Charles D. Harvey, La Mesa, Calif., assignor to Carleton E. Schroeder
Application May 24, 1948, Serial No. 28,873
6 Claims. (Cl. 152—2)



4. In a machine of the class described, a pair of shearing rollers having overlapping peripheral shearing edges adjacent each other, an angular in cross-section forming ways member, spaced from said shearing rollers at its one end, and angularly beveled from said one end adjacent said shearing rollers to a position intermediate its ends, providing an incline for directing strips of metal sheared by said rollers upwardly to the upper edges of said forming ways member, said forming ways member being substantially trough-shaped, said having its longitudinal axis disposed at right angles to the axis of said shearing rollers, and a bending and driving roller having a serrated peripheral edge in the trough portion of said forming ways member, engageable with strips of material sheared by said shearing rollers.

2,571,087
PILE FABRIC
Garfield J. Underwood, Broadalbin, and Albert J. Ammerall, Amsterdam, N. Y., assignors to Mohawk Carpet Mills, Inc., Amsterdam, N. Y., a corporation of New York
Application April 5, 1950, Serial No. 154,172
14 Claims. (Cl. 139—401)

9. In a pile fabric, which comprises a backing made up of stuffer warps extending horizontally through the backing, filling yarns extending across the stuffer warps in a plurality of levels above and below the stuffer warps, and binder warps distributed across the backing and crossing the filling yarns and binding them against the stuffer warps from above and below, a pile which comprises a plurality of pile elements each anchored in the backing by a portion of the ele-



ment lying beneath a filling yarn, each pile element being made of a pair of components plied together, one component being a dense relatively high twist yarn and the other being a bulky back-twisted opened-up yarn of less twist than the plying twist and wrapped spirally about the high twist component in the same direction as the twist of the high twist component.

2,571,088
GOLF CLUB BAG SUPPORT
Charles Emmet Walton, New York, N. Y.
Application April 20, 1949, Serial No. 88,579
12 Claims. (Cl. 248—96)



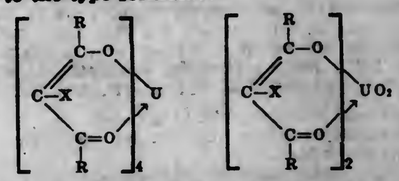
1. A golf club bag support comprising a support adapted to be secured on the upper part of the bag; a supporting member hinged to said support and having downwardly extended legs adapted to be relatively diverged; an assembly connecting said legs comprising a body having axially alined internal threads of opposite pitch and bolts secured to said legs and having threads received in the threads of the body; an elongated guide mounted on the support longitudinally of the bag; a strut pivoted to said assembly and having a part slidably engaged with said guide; a handle on said body; and a device on said support adapted to releasably hold said handle.

ABSTRACTS OF APPLICATIONS

Published at the request of the applicant or owner in accordance with Notice of January 25, 1949, 619 O. G. 258. The abstracts are identified by serial number of the applications and arranged in chronological order. The heading of each abstract of application published herein indicates the number of pages of specification, including claims, and sheets of drawings contained in the application as originally filed. The files of these applications are available to the public for inspection and photostat copies of them, or any part thereof, may be purchased for 20 cents a sheet.

643,460. COMPLEX COMPOUNDS OF URANIUM AND ALPHA SUBSTITUTED BETA DIKETONES. Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Filed Jan. 25, 1946. Published Oct. 9, 1951. Class 260—429. No Drawing. 7 pages of specification.

Water insoluble chelate complex compounds of hexavalent and tetravalent uranium corresponding to the type formulae:



wherein R designates an alkyl, aralkyl or halogenated alkyl radical and X denotes a halogen, such as chlorine, bromine, or iodine, are formed, preferably by the addition of an alkaline solution of alpha substituted beta diketone to aqueous solutions containing tetravalent and/or hexavalent uranium values. These α-substituted β-diketonates of uranium are formed from aqueous solutions upon addition of alkaline solutions of α-substituted β-diketones, such as 3-chloropentanedione-2,4; 1,5-diphenyl-3-chloropentanedione-2,4; 1-phenyl-3-chloropentanedione-2,4; 1,3-dichloropentanedione-2,4; and 1,3,5-trichloropentanedione-2,4, and are thereafter precipitated from solution by adding additional base until the reaction mixture becomes alkaline to litmus. The precipitated chelate may be separated from the aqueous solution either by mechanical means, such as filtration, or by solvent extraction in a water immiscible organic solvent, such as chloroform, carbon tetrachloride, aniline, n-hexyl alcohol, ethyl ether, ethyl acetate, benzene and xylene. In these solvents the stable chelates of uranium are soluble and therefore useful for incorporating uranium in lacquers, varnishes, and other coating compositions. The α-substituted β-diketonates of uranium may be further purified by recrystallization from alcohol, ligroin, or other stable solvents. The chelates precipitated from aqueous solution are useful in processes for the recovery of uranium values and separation thereof from impurities associated therewith and from aqueous solutions.

Example I

To 5.06 grams of uranyl nitrate dissolved in 25 cc. of water was added 2.2 grams of 3-chloropentanedione-2,4 and the mixture stirred at room temperature. The solution turned red and on addition of a 10 per cent sodium hydroxide solution a gummy mass was precipitated. When shaken this was gradually converted to a granular form. The liquid was decanted, the red solid washed repeatedly with water, taken up in ethanol, and precipitated as golden orange plates which were filtered off and dried in vacuo. The complex uranyl di-3-chloropentanedione-2,4 ($UO_2(CH_3COCClCOCH_3)_2$) would not melt, but sintered when heated. Theoretical uranium content for $C_{10}H_{12}O_6Cl_2U$: 44.35 per cent; found: 42.52 per cent.

Example II

To 7.6 grams of uranous chloride in 50 cc. of water was added 8.0 grams of 3-chloropentanedione-2,4. Addition of a 10 per cent sodium hydroxide solution produced hard brown lumps. The liquid was decanted and the solid was washed with water and dried in vacuo. The crude compound was dissolved in hot dioxane and precipitated with 90–100° ligroin, filtered and dried. This yielded a brown microcrystalline product, uranous tetra (3-chloropentanedione-2,4) i. e. $U(CH_3COCClCOCH_3)_4$.

787,850. METHOD OF PREPARING THORIUM COMPOUNDS. Amos S. Newton and Oliver Johnson, Berkeley, Calif. Filed Nov. 24, 1947. Published Oct. 9, 1951. Class 23—14.5. No drawing. 12 pages of specification.

Binary compounds of thorium and non-metal of the groups III, IV, V, VI, and VII of the Mendeleeff periodic table can be prepared at relatively low temperatures, suitably between 200° and 500° C. and usually between 350° and 400° C., by reacting a hydride of thorium with a gaseous material or compound which contains said non-metal either in elemental form or as a compound of said non-metal and especially the hydrogen, halogen, or sulfur compounds thereof.

An especially advantageous modification of the aforementioned process comprises reacting massive thorium metal, especially thorium metal substantially free from thorium oxide, with hydrogen so as to form a pulverulent thorium hydride and thereafter reacting said thorium hydride, preferably in situ, with one of the aforementioned non-metals or its compounds to form the corresponding compound of thorium and the non-metal.

The instant disclosure concerning the reaction of thorium hydride includes all phases of the known hydrides of thorium whether they are adsorption mixtures, solid solutions of hydrogen in thorium or interstitial compounds ranging from the lower hydride having a composition between about $ThH_{1.78}$ and the higher hydride of thorium having a composition of at least ThH_2 and possibly $ThH_{3.75}$ and ThH_4. The examples following represent the reactions of an intermediate phase of thorium hydride since existence of hydrides in excess of a single phase does not influence the reactions described.

Example I

A piece of massive thorium metal was soaked in carbon tetrachloride to remove oil, rinsed in ether and dried in vacuum. The cleaned metal was enclosed within glass tubing plugged at both ends with glass wool and sealed to a three-way stop-

cock. After thoroughly flushing the system with hydrogen at room temperature, the chamber was heated to 350° to 400° C. by a resistance furnace and pulverulent hydride was obtained by mechanically agitating the chamber during alternate cooling and heating to 400° C. After completely converting the mass of thorium to 16.67 g. of pulverulent thorium hydride, the system was flushed with hydrogen followed by admission of hydrogen chloride gas in contact with the hydride at a temperature of about 350° C. for three hours. The system was cooled in an atmosphere of hydrogen chloride gas and then flushed with helium. The product thorium tetrachloride was grey white in color, very hygroscopic and dissolution of the product in water was accompanied by an audible sibilant sound.

Example II

Thorium chloride was also prepared in the following manner: Chlorine gas diluted to 1 part in 10 parts of helium was passed at a slow rate over thorium hydride. The reaction proceeded slowly at 250° C. but the rate was noticeably increased upon raising the temperature to 400° C.

All reactions between thorium hydride and elemental halogen proceed very vigorously with sufficient generation of heat to cause the reaction chamber to glow and molten halide cover the hydride thereby inhibiting complete reaction and a pure product unless an inert diluent gas is mixed with the halogen.

Example III

Thorium phosphide (Th_3P_4) was prepared by passing freshly prepared phosphine over thorium hydride at a temperature of 400° C. Identification of the steely-grey colored product by X-ray analysis showed a strong body-centered cubic structure with $a_o = 8.624 \pm .02$ Å, which product was virtually insoluble in all standard laboratory reagents.

Example IV

Thorium sulfide (ThS_2) was prepared via the hydride by passing hydrogen sulfide over two pieces of thorium hydride at 300° and 400° C., respectively. X-ray analysis of the resultant dark-brown product showed only very weak thorium lines and strong thorium disulfide lines.

85,260. **YEAST-RAISED BAKERY PRODUCTS.** William C. Griffin, West Chester, Pa., assignor to Atlas Powder Company, Wilmington, Del. Filed Apr. 2, 1949. Published Oct. 9, 1951. Class 99—90. No drawing. 7 pages of specification.

The application relates to retarding the staling of starch-containing, yeast-raised, bakery products such as bread, rolls, sweet rolls, and the like.

The effect is obtained by incorporating compounds of the generic formula:

$$R(OCH_2CH_2)_nOR'$$

wherein n is an integer from 8 to 35, and wherein R and R' are acyl radicals of straight chain, monocarboxylic acids containing from 12 to 18 carbon atoms, and include the ricinoleyl radical as well as saturated and unsaturated unsubstituted fatty acids. Specific examples of compounds found useful as staling retarders include:

10-polyoxyethylene stearate oleate
16-polyoxyethylene di-ester of hydrogenated shortening acids
25-polyoxyethylene stearate oleate.

The agents are preferably used in amounts ranging from about 0.1 to about 3.5% based on the weight of flour and may be incorporated with the dry ingredients before the preparation of the dough, or may be incorporated directly with the dough.

DESIGNS

OCTOBER 9, 1951

164,757
ADVERTISING DISPLAY FIGURE
Maylock Artmann, New York, N. Y., assignor to C. Schmidt & Sons, Inc., Philadelphia, Pa., a corporation
Application December 9, 1949, Serial No. 6,518
Term of patent 14 years
(Cl. D1—2)



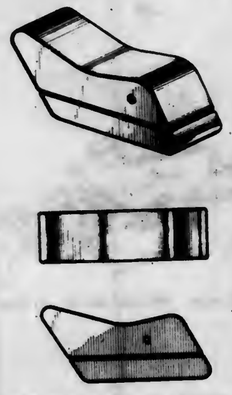
The ornamental design for an advertising display figure, as shown.

164,758
VELOCIPEDE
Kenneth W. Bader, Los Angeles, Calif.
Application April 25, 1950, Serial No. 9,462
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a velocipede, as shown and described.

164,759
ELECTRIC MASSAGER FOR THE HUMAN BODY
Edgar O. Bartolucci, Union City, N. J., assignor of one-half to John J. Waldheim, Chicago, Ill.
Application March 20, 1950, Serial No. 8,636
Term of patent 14 years
(Cl. D83—1)



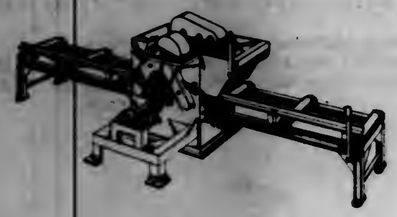
The ornamental design for an electric massager for the human body, as shown.

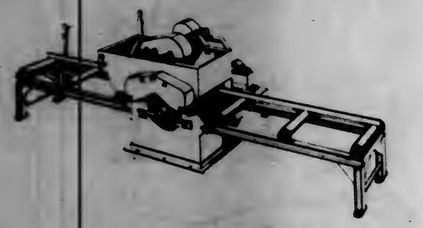
164,760
PAIR OF SPECTACLES OR THE LIKE
Gordon A. Brown, Pomfret Center, Conn., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 4, 1949, Serial No. 5,293
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a pair of spectacles or the like, substantially as shown and described.

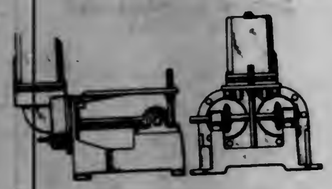
164,761
GANG SAWMILL MACHINE
Homer A. Busbee, Ocala, Fla.
Application June 8, 1950, Serial No. 10,462
Term of patent 14 years
(Cl. D92—3)

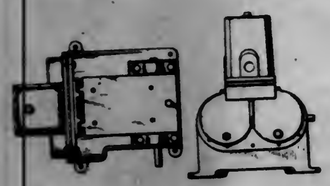




The ornamental design for a gang sawmill machine, as shown.

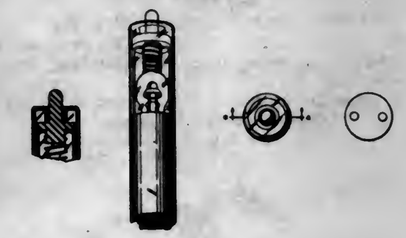
164,762
FLUID PUMP
Jeremiah J. Colbert, St. Joseph, Mo.
Application July 21, 1949, Serial No. 4,056
Term of patent 14 years
(Cl. D65—1)





The ornamental design for a fluid pump, as shown.

164,763
FLUORESCENT TUBE CIRCUIT TESTER
John B. Cottell and Herman S. Starbuck, Cincinnati, Ohio, assignors to Continental Electric Equipment Co., Ludlow, Ky., a corporation of Ohio
Application January 12, 1950, Serial No. 7,178
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a fluorescent tube circuit tester, as shown and described.

164,764
SALT SHAKER OR THE LIKE
Valeria de Marsa, Los Angeles, Calif., assignor to Triangle Studios, El Monte, Calif., a copartnership
Application March 28, 1949, Serial No. 1,674
Term of patent 7 years
(Cl. D44—22)



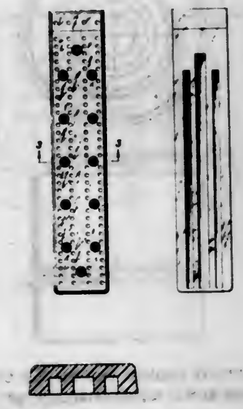
The ornamental design for a salt shaker or the like, substantially as shown.

164,765
COMBINED PERFUME BOTTLE AND HOLDER THEREFOR OR SIMILAR ARTICLE
Jean Despres, New York, N. Y., assignor to Coty, Inc., New York, N. Y., a corporation of Delaware
Application December 7, 1950, Serial No. 13,326
Term of patent 14 years
(Cl. D58—26)



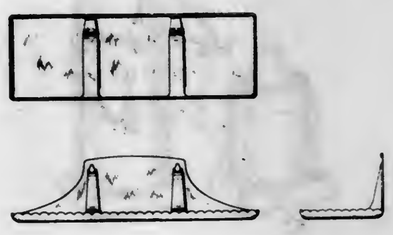
The ornamental design for a combined perfume bottle and holder therefor or similar article, substantially as shown.

164,766
CRIBBAGE BOARD
Chester R. Durgin, Quincy, Mass., assignor to Mid-Century Company, Leominster, Mass., a corporation of Massachusetts
Application August 22, 1950, Serial No. 11,875
Term of patent 14 years
(Cl. D34—5)



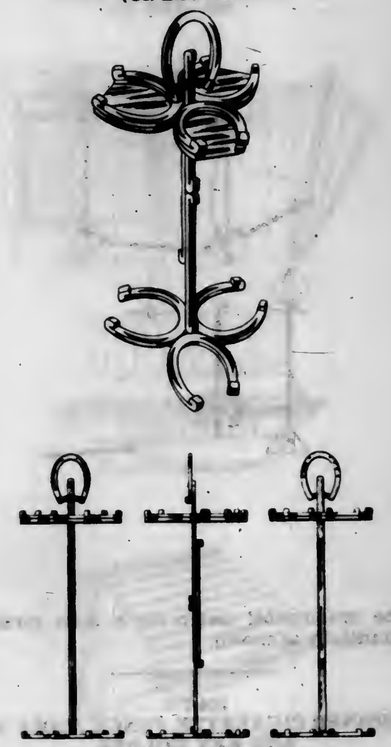
The ornamental design for a cribbage board, as shown.

164,767
CANISTER TRAY
Jack Fairchild Fleming, Yonkers, N. Y., assignor to Sterling Plastics Company, Union, N. J., a corporation of New Jersey
Application September 22, 1950, Serial No. 12,305
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a canister tray, substantially as shown.

164,768
SMOKER'S OR REFRESHMENT STAND
Martin K. Fowler, Westwood, N. J.; Trina S. Fowler administratrix of said Martin K. Fowler, deceased
Application January 18, 1951, Serial No. 13,868
Term of patent 14 years
(Cl. D80—9)



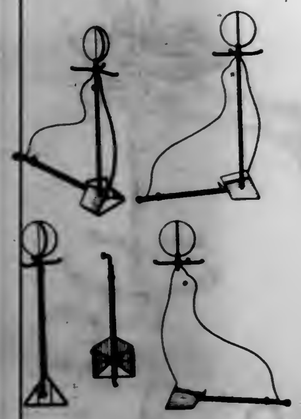
The ornamental design for a smoker's or refreshment stand, as shown.

164,769
WALLET
Henry R. Godfrey, Gardner, Mass.
Application March 10, 1950, Serial No. 8,444
Term of patent 14 years
(Cl. D87—3)



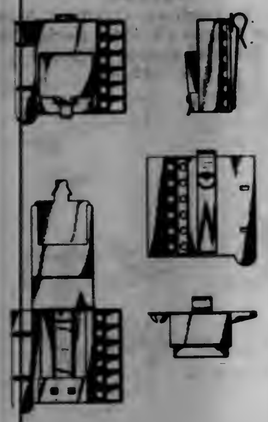
The ornamental design for a wallet, as shown and described.

164,770
LAWN SPRINKLER
Earl O. Griswold, Atlanta, Ga.
Application July 26, 1950, Serial No. 11,419
Term of patent 7 years
(Cl. D91—1)



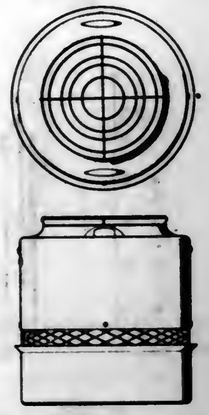
The ornamental design for a lawn sprinkler, substantially as shown.

164,771
COMBINED CIGARETTE, PENCIL, GOLF TEE, AND KEY HOLDER
Frank J. Gubics, Cleveland, Ohio
Application February 13, 1951, Serial No. 14,201
Term of patent 14 years
(Cl. D85—2)



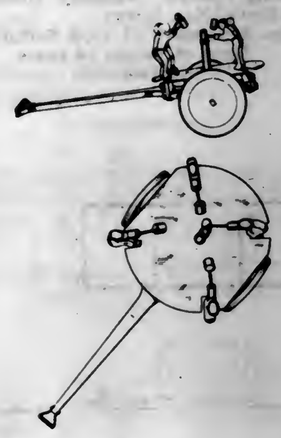
The ornamental design for a combined cigarette, pencil, golf tee, and key holder, as shown.

164,772
AIR CONDITIONING AND CIRCULATING UNIT
Charles W. Hahl, Pomona, Calif.
Application June 12, 1950, Serial No. 10,464
Term of patent 14 years
(Cl. D62—4)



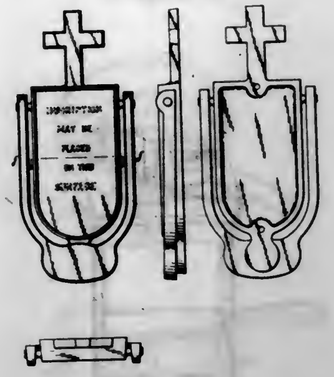
The ornamental design for an air conditioning and circulating unit, substantially as shown and described.

164,773
ANIMATED PULL TOY
Harry A. Hammelman, Sheboygan, Wis.
Application August 25, 1950, Serial No. 11,933
Term of patent 3½ years
(Cl. D34—15)



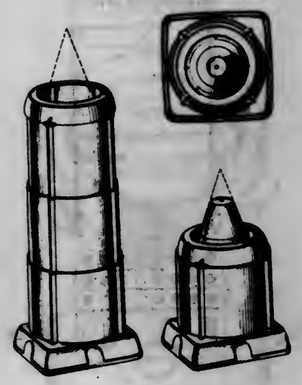
The ornamental design for an animated pull toy, substantially as shown.

164,774
DOOR KNOCKER
William F. Hitchcock, Danvers, Mass.
Application November 27, 1950, Serial No. 13,140
Term of patent 14 years
(Cl. D10—7)



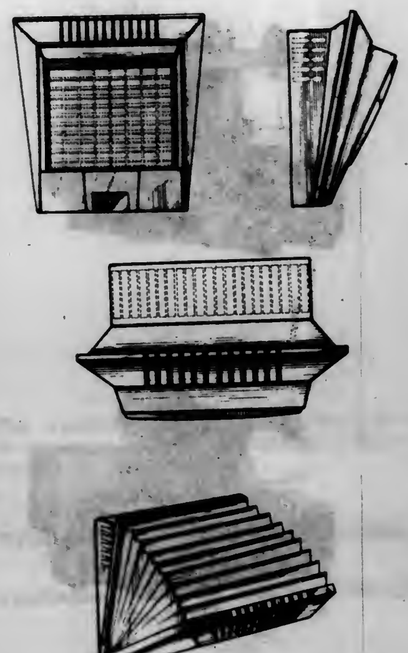
The ornamental design for a door knocker, as shown and described.

164,775
TELESCOPIC PAPER CUP DISPENSER
Gerald C. Johnson, Bronxville, and Albert A. Perelman, Brooklyn, N. Y., assignors to Lily-Tulip Cup Corporation, New York, N. Y., a corporation of Delaware
Application February 9, 1951, Serial No. 14,163
Term of patent 14 years
(Cl. D52—2)



The ornamental design for a telescopic paper cup dispenser, substantially as shown and described.

164,776
COMBINATION ELECTRIC HEATER AND FAN CASING
Charles E. Jones, Chicago, and Robert H. Crowle, Berwyn, Ill., assignors to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application April 18, 1951, Serial No. 14,882
Term of patent 14 years
(Cl. D61—10)



The ornamental design for a combination electric heater and fan casing, as shown and described.

164,777
ROSARY RING
William B. Kelly, Glendale, Calif.
Application June 18, 1951, Serial No. 15,591
Term of patent 7 years
(Cl. D45—10)



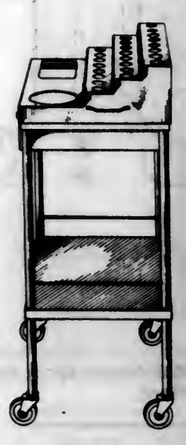
The ornamental design for a rosary ring, substantially as shown.

164,778
ROUGHING AND FINISHING CENTER DRIVE LATHE
George A. Kendall and Alex W. Chviscaden, Saginaw, Mich., assignors to Wickes Bros., Saginaw, Mich.
Application April 6, 1950, Serial No. 9,006
Term of patent 14 years
(Cl. D54—6)



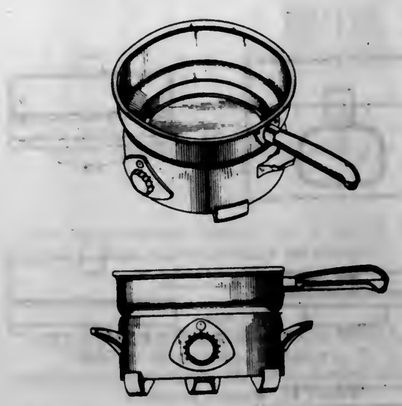
The ornamental design for a roughing and finishing center drive lathe, as shown.

164,779
HOSPITAL CART
Anna Koenig, Chicago, Ill., assignor to Debs Hospital Supplies, Inc., Chicago, Ill., a corporation of Illinois
Application August 30, 1949, Serial No. 4,768
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a hospital cart, as shown and described.

164,780
ELECTRICAL COOKING UNIT
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application November 27, 1950, Serial No. 13,137
Term of patent 14 years
(Cl. D81—10)



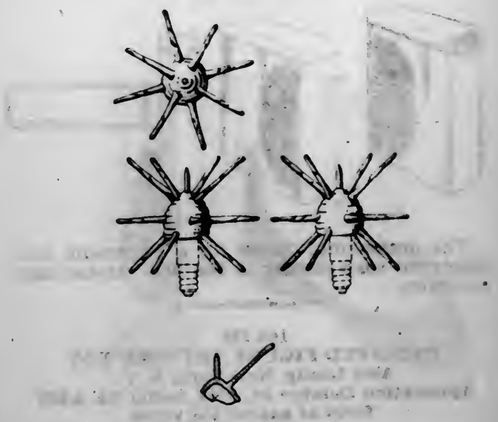
The ornamental design for an electrical cooking unit, substantially as shown and described.

164,781
BASE FOR AN ELECTRICAL COOKING UNIT
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application November 27, 1950, Serial No. 13,139
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a base for an electrical cooking unit, as shown and described.

164,782
DECORATIVE LIGHT BULB OR SIMILAR ARTICLE
Joseph J. Librizzi, Bronxville, N. Y.
Application April 27, 1951, Serial No. 14,987
Term of patent 14 years
(Cl. D26—5)



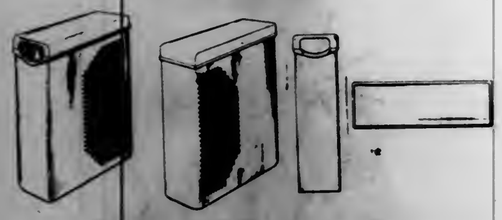
The ornamental design for a decorative light bulb or similar article, substantially as shown and described.

164,783
PERSONALIZED WEDDING ANNIVERSARY CANDLE
Leo Lion, New York, N. Y.
Application January 24, 1950, Serial No. 7,451
Term of patent 7 years
(Cl. D73—1)



The ornamental design for personalized wedding anniversary candle, as shown.

164,784
DISPENSING CONTAINER FOR SOAP POWDER OR THE LIKE
Clara E. Lipton, New York, N. Y.
Application December 2, 1950, Serial No. 13,243
Term of patent 14 years
(Cl. D52—12.6)



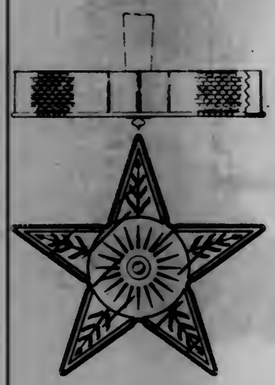
The ornamental design for a dispensing container for soap powder or the like, substantially as shown.

164,785
ANIMATED FIGURE TRUNDLE TOY
Alex Lustig, New York, N. Y.
Application October 14, 1949, Serial No. 5,480
Term of patent 3½ years
(Cl. D34—15)



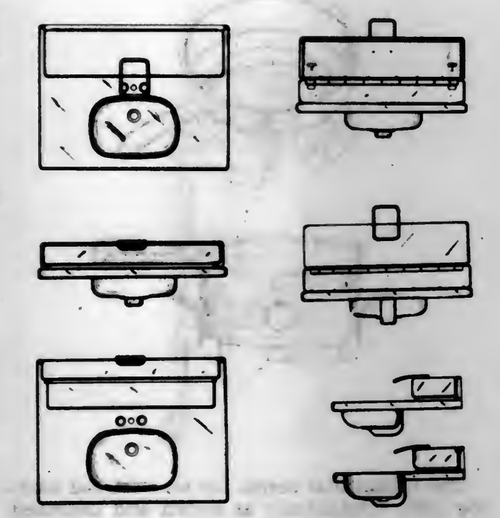
The ornamental design for an animated figure trundle toy, substantially as shown and described.

164,786
LIGHT SHADE
Glenn E. MacFadden, Rocky River, Ohio
Application November 21, 1950, Serial No. 13,086
Term of patent 14 years
(Cl. D48—16)



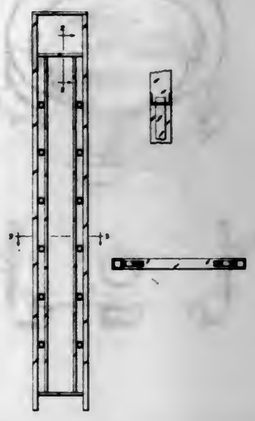
The ornamental design for a light shade, as shown and described.

164,787
COMBINATION WASHBASIN AND UTILITY CABINET
Bernard F. McMahon, Clayton, Mo.
Application April 9, 1951, Serial No. 14,760
Term of patent 14 years
(Cl. D4—2)



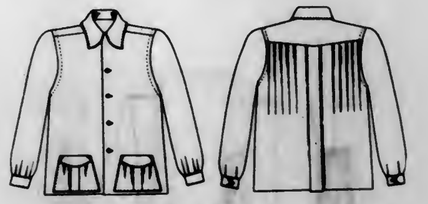
The ornamental design for a combination washbasin and utility cabinet, substantially as shown and described.

164,788
PORCH TRELLIS OR SIMILAR ARTICLE
Ernest Meierjohan, Cincinnati, Ohio
Application December 21, 1950, Serial No. 13,527
Term of patent 14 years
(Cl. D13—4)



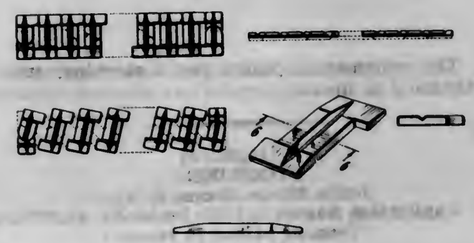
The ornamental design for a porch trellis or similar article, as shown.

164,789
MAN'S SHIRT OR SIMILAR ARTICLE
Joseph Melville, Long Beach, N. Y.
Application April 4, 1951, Serial No. 14,708
Term of patent 3½ years
(Cl. D3—25)



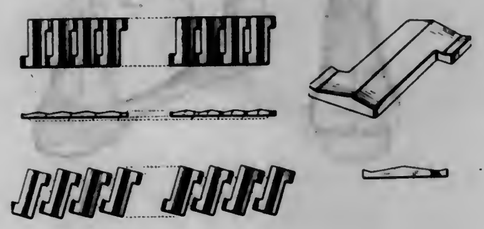
The ornamental design for a man's shirt or similar article, substantially as shown.

164,790
EXPANSIBLE BRACELET OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application February 23, 1951, Serial No. 14,308
Term of patent 14 years
(Cl. D45—4)



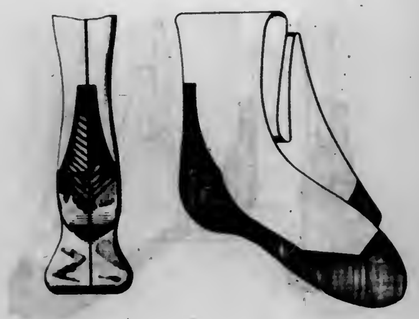
The ornamental design for an expansible bracelet or the like, as shown and described.

164,791
EXPANSIBLE LINK CHAIN FOR BRACELETS OR THE LIKE
Samuel Meyerson, Brooklyn, N. Y.
Application April 24, 1951, Serial No. 14,937
Term of patent 14 years
(Cl. D45—4)



The ornamental design for an expansible link chain for bracelets or the like, as shown and described.

164,792
STOCKING
Julius Miran, Bronx, N. Y.
Application July 15, 1950, Serial No. 11,204
Term of patent 14 years
(Cl. D47—7)



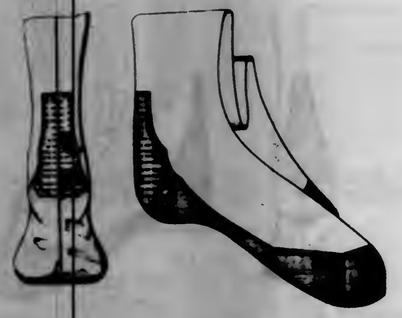
The ornamental design for a stocking, substantially as shown.

164,793
STOCKING
Julius Miran, Bronx, N. Y.
Application July 15, 1950, Serial No. 11,205
Term of patent 14 years
(Cl. D47—7)



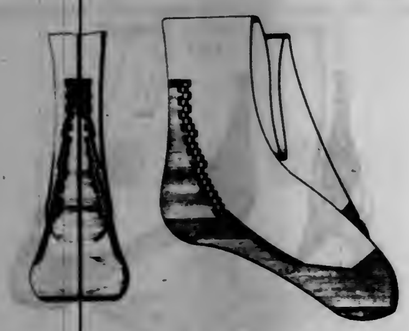
The ornamental design for a stocking, substantially as shown.

164,794
STOCKING
Julius Miran, Bronx, N. Y.
Application July 15, 1950, Serial No. 11,206
Term of patent 14 years
(Cl. D47—7)



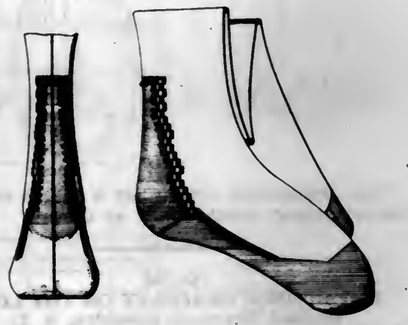
The ornamental design for a stocking, substantially as shown.

164,795
STOCKING
Julius Miran, Bronx, N. Y.
Application August 3, 1950, Serial No. 11,572
Term of patent 14 years
(Cl. D47—7)



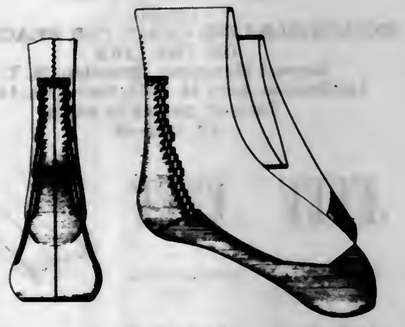
The ornamental design for a stocking, substantially as shown and described.

164,796
STOCKING
Julius Miran, Bronx, N. Y.
Application August 3, 1950, Serial No. 11,574
Term of patent 14 years
(Cl. D47—7)



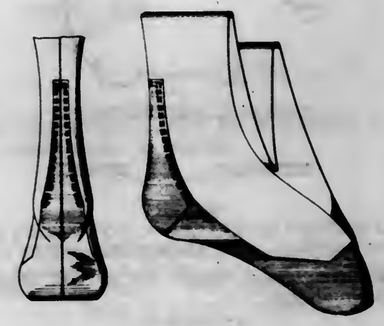
The ornamental design for a stocking, substantially as shown.

164,797
STOCKING
Julius Miran, Bronx, N. Y.
Application August 3, 1950, Serial No. 11,577
Term of patent 14 years
(Cl. D47—7)



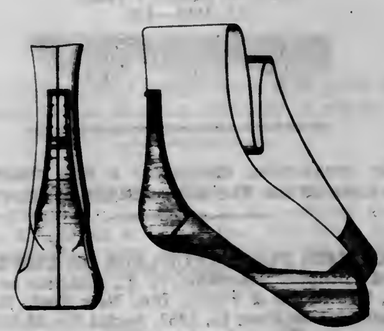
The ornamental design for a stocking, substantially as shown and described.

164,798
STOCKING
Julius Miran, Bronx, N. Y.
Application September 2, 1950, Serial No. 12,042
Term of patent 14 years
(Cl. D47—7)



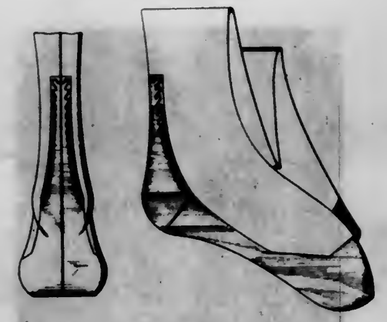
The ornamental design for a stocking, substantially as shown and described.

164,799
STOCKING
Julius Miran, Bronx, N. Y.
Application September 2, 1950, Serial No. 12,044
Term of patent 14 years
(Cl. D47—7)



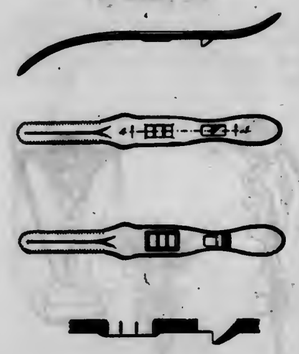
The ornamental design for a stocking, substantially as shown and described.

164,800
STOCKING
Julius Miran, Bronx, N. Y.
Application September 2, 1950, Serial No. 12,045
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, substantially as shown and described.

164,801
COMBINED FRUIT AND VEGETABLE KNIFE AND ORANGE PEELER
Nathan K. Morris, Avon, N. J.
Application November 3, 1950, Serial No. 12,827
Term of patent 7 years
(Cl. D44—29)



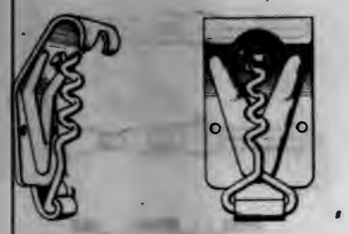
The ornamental design for a combined fruit and vegetable knife and orange peeler, as shown.

164,802
PLASTIC FILM MATERIAL
Max Obrist, Long Island, N. Y., assignor to Tuscony Fabrics Inc., New York, N. Y., a corporation of New York
Application June 14, 1949, Serial No. 3,270
Term of patent 3½ years
(Cl. D92—1)



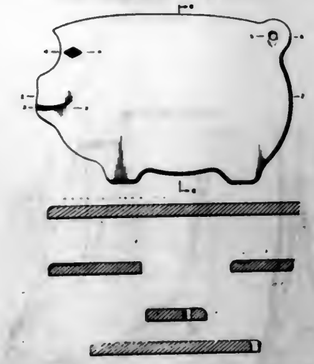
The ornamental design for a plastic film material, as shown.

164,803
BOTTLE OPENER
Charles L. Pandele, Grand Rapids, Mich.
Application August 7, 1950, Serial No. 11,658
Term of patent 14 years
(Cl. D44—29)



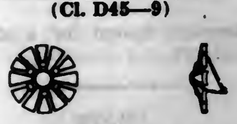
The ornamental design for a bottle opener, substantially as shown and described.

164,804
FOOD CHOPPING BOARD
Robert P. Permenter, Jacksonville, Fla.
Application October 23, 1950, Serial No. 12,689
Term of patent 3½ years
(Cl. D44—3)



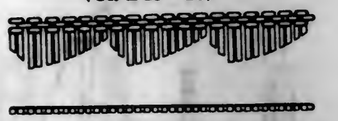
The ornamental design for a food chopping board, as shown.

164,805
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,552
Term of patent 7 years
(Cl. D45—9)



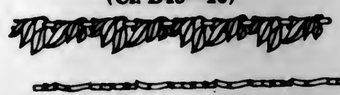
The ornamental design for an earring or similar article, substantially as shown.

164,806
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,555
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

164,807
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,556
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

164,808
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,557
Term of patent 7 years
(Cl. D45—6)



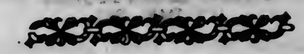
The ornamental design for a bracelet or the like, substantially as shown.

164,809
LINK CHAIN FOR A BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,558
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a bracelet or the like, substantially as shown.

164,810
LINK CHAIN FOR A BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 15, 1951, Serial No. 15,559
Term of patent 7 years
(Cl. D45—16)



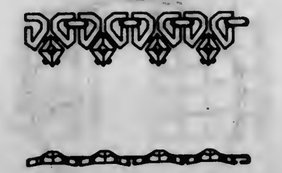
The ornamental design for a link chain for a bracelet or the like, substantially as shown.

164,811
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 18, 1951, Serial No. 15,581
Term of patent 7 years
(Cl. D45—19)



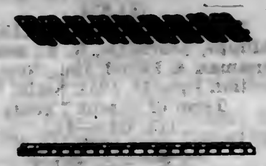
The ornamental design for a brooch or similar article, substantially as shown.

164,812
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 18, 1951, Serial No. 15,582
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

164,813
LINK CHAIN FOR A NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 18, 1951, Serial No. 15,583
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a link chain for a necklace or the like, substantially as shown.

164,814
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. N. Y.
Application June 18, 1951, Serial No. 15,584
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,815
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 18, 1951, Serial No. 15,585
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,816
BRACELET OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 18, 1951, Serial No. 15,586
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown.

164,817
NECKLACE OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 21, 1951, Serial No. 15,619
Term of patent 7 years
(Cl. D45—16)



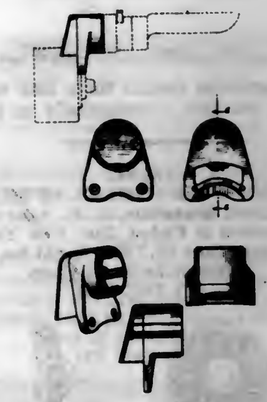
The ornamental design for a necklace or the like, substantially as shown.

164,818
ELECTRONIC INSECT KILLER
James W. Ragsdale, St. Joseph Mo., assignor to Acme Products Corporation, St. Joseph, Mo., a corporation of Missouri
Application April 2, 1951, Serial No. 14,684
Term of patent 7 years
(Cl. D31—3)



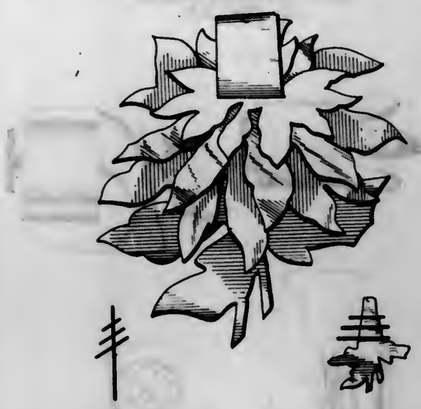
The ornamental design for an electronic insect killer, as shown.

164,819
LIGHT ADAPTER FOR SEWING MACHINE MOTORS
Solomon Redlich, New York, N. Y., assignor to Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y., a corporation of New York
Application June 3, 1950, Serial No. 10,338
Term of patent 14 years
(Cl. D48—20)



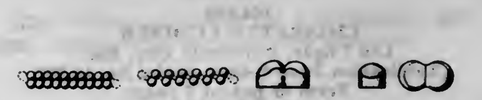
The ornamental design for a light adapter for sewing machine motors, substantially as shown and described.

164,820
THREE-DIMENSIONAL DECORATIVE GREETING CARD
Seymour Robins, New York, N. Y.
Application July 22, 1950, Serial No. 11,331
Term of patent 14 years
(Cl. D29—1)



The ornamental design for a three-dimensional decorative greeting card, substantially as shown.

164,821
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application October 14, 1950, Serial No. 12,575
Term of patent 7 years
(Cl. D45—4)



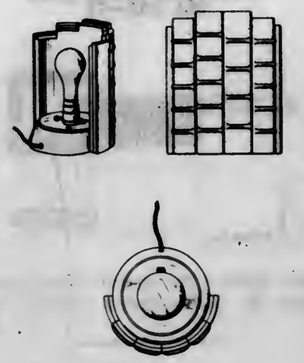
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

164,822
SHOWER HEAD
Irving H. Russell, Oak Park, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1950, Serial No. 11,268
Term of patent 14 years
(Cl. D91—3)



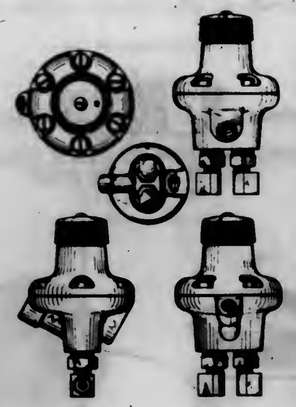
The ornamental design for a shower head, substantially as shown and described.

164,823
TELEVISION LAMP OR SIMILAR ARTICLE
Mario Russo, New Rochelle, N. Y.
Application May 23, 1951, Serial No. 15,289
Term of patent 3½ years
(Cl. D48—20)



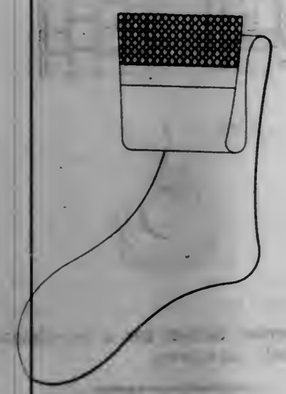
The ornamental design for a television lamp or similar article, as shown.

164,824
CHANGE-OVER PRESSURE REGULATOR OR SIMILAR ARTICLE
Theodore A. St. Clair, South Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application December 22, 1950, Serial No. 13,546
Term of patent 14 years
(Cl. D78—1)



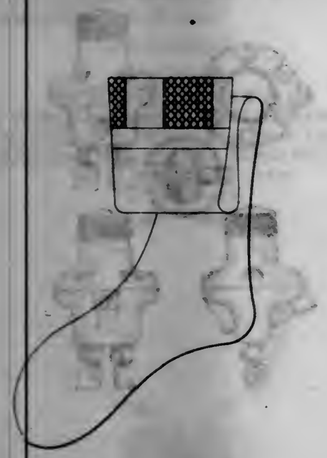
The ornamental design for a change-over pressure regulator or similar article, as shown.

164,825
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application July 25, 1950, Serial No. 11,388
Term of patent 14 years
(Cl. D47—7)



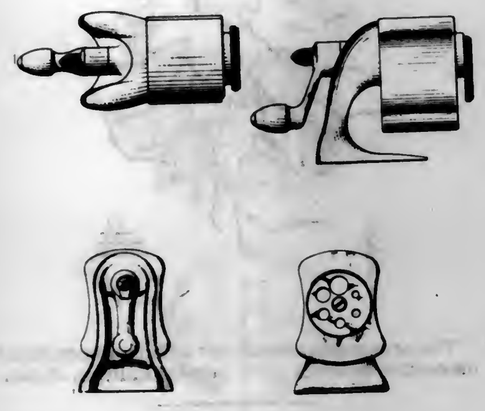
The ornamental design for a stocking, as shown.

164,826
STOCKING
Saul Sigel, Manchester, N. H., assignor to M. K. M. Hosiery Mills, Inc., Boston, Mass., a corporation of Massachusetts
Application July 25, 1950, Serial No. 11,389
Term of patent 14 years
(Cl. D47—7)



The ornamental design for a stocking, as shown.

164,827
PENCIL SHARPENER
Murry Tall, New Rochelle, N. Y.
Application December 18, 1948, Serial No. 150,231
Term of patent 14 years
(Cl. D74—1)



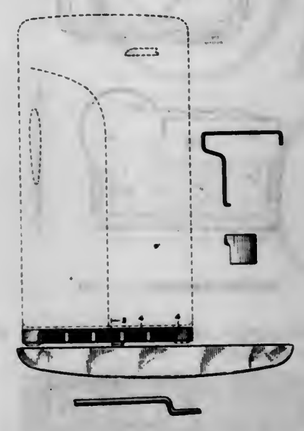
The ornamental design for a pencil sharpener, substantially as shown.

164,828
CIGARETTE LIGHTER
Leo Ungar, University City, Mo.
Application June 7, 1950, Serial No. 10,397
Term of patent 7 years
(Cl. D48—27)



The ornamental design for a cigarette lighter, substantially as shown.

164,829
REFRIGERATOR CABINET
John H. Walter, Grosse Pointe, Mich., assignor to Motor Products Corporation, Detroit, Mich., a corporation of New York
Application January 22, 1951, Serial No. 13,910
Term of patent 14 years
(Cl. D67—3)



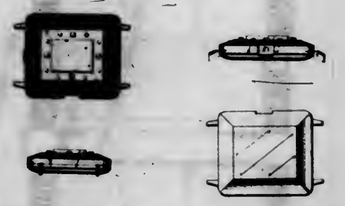
The ornamental design for a refrigerator cabinet, substantially as shown and described.

164,830
WRIST WATCH CASE OR SIMILAR ARTICLE
Fred Warren, Forest Hills, N. Y., assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y., a corporation of New York
Application February 1, 1950, Serial No. 7,651
Term of patent 14 years
(Cl. D42—8)



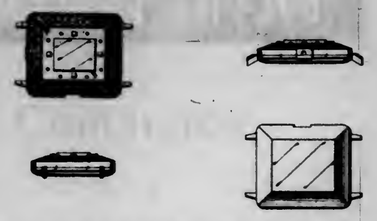
The ornamental design for a wrist watch case or similar article, substantially as shown.

164,831
WRIST WATCH CASE OR SIMILAR ARTICLE
Fred Warren, Forest Hills, N. Y., assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y., a corporation of New York
Application February 1, 1950, Serial No. 7,652
Term of patent 14 years
(Cl. D42—8)



The ornamental design for a wrist watch case or similar article, substantially as shown and described.

164,832
WRIST WATCH CASE OR SIMILAR ARTICLE
Fred Warren, Forest Hills, N. Y., assignor to Longines-Wittnauer Watch Co., Inc., New York, N. Y., a corporation of New York
Application February 1, 1950, Serial No. 7,653
Term of patent 14 years
(Cl. D42—8)



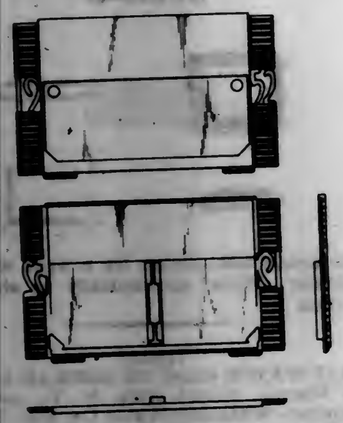
The ornamental design for a wrist watch case or similar article, substantially as shown and described.

164,833
DEHUMIDIFIER
Harold J. Wolfe and Dale O. Crawford, Seattle, Wash.
Application March 25, 1950, Serial No. 8,782
Term of patent 14 years
(Cl. D16—2)



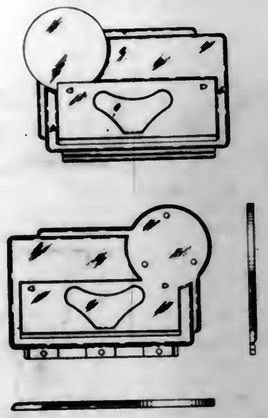
The ornamental design for a dehumidifier, as shown and described.

164,834
DESK CALENDAR SUPPORT
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application May 17, 1951, Serial No. 15,221
Term of patent 3½ years
(Cl. D74—5)



The ornamental design for a desk calendar support, as shown.

164,835
DESK CALENDAR SUPPORT
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application May 17, 1951, Serial No. 15,222
Term of patent 14 years
(Cl. D74—5)



The ornamental design for a desk calendar support, as shown.

October 16, 1951 Volume 651 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aberle, Inc., Philadelphia, Pa. Women's hosiery. Serial No. 582,334, Oct. 16. Class 39.

Adapta Film Holder Co.: *See*—
Vlock, Mark.

Adhesive Tapes Limited, London, England. Pressure sensitive adhesive tape. Serial No. 598,342, Oct. 16. Class 5.

American Alcolac Corporation, Baltimore, Md. Lauryl sulfate. Serial No. 605,343, Oct. 16. Class 6.

American Laundry Machinery Company, The, Cincinnati, Ohio. Commercial laundry machinery or apparatus. Serial No. 600,249, Oct. 16. Class 24.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Electrical cable. Serial Nos. 591,542–5, Oct. 16. Class 21.

Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Binoculars, object glasses, eye-pieces, etc. Serial No. 578,949, Oct. 16. Class 26.

Apex Mfg. Laboratories: *See*—
Norton, Neil C.

Armour and Company, doing business under the trade style Fowler Packing Company, Chicago, Ill. Hams and bacon. Serial No. 529,860, Oct. 16. Class 46.

Armour and Company, Chicago, Ill. Bacon. Serial No. 540,139, Oct. 16. Class 46.

Armour and Company, Chicago, Ill. Liquid glue. Serial No. 601,705, Oct. 16. Class 5.

Artloom Carpet Co., Inc., Philadelphia, Pa. Textile carpets and rugs. Serial No. 604,830, Oct. 16. Class 42.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes, lubricating greases, lubricating oils, and motor fuels. Serial No. 605,086, Oct. 16. Class 15.

Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Door locksets. Serial No. 611,751, Oct. 16. Class 25.

Avery, B. F., & Sons Company, Louisville, Ky., assignor to Minneapolis-Moline Company. Lime broadcasters, manure broadcasters, cultivators, etc. Serial No. 602,484, Oct. 16. Class 23.

Bali Brassiere Co., Inc., New York, N. Y. Brassières and bandeaux. Serial No. 605,459, Oct. 16. Class 39.

Bambo Shoe Manufacturing Company: *See*—
Pierce Shoe Manufacturing Company.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Fabrics. Serial No. 613,395, Oct. 16. Class 42.

Barnes, S. O., & Son, Inc., Gardena, Calif. Vitamin and mineral tablets. Serial No. 610,407, Oct. 16. Class 18.

Barwick, E. T., Mills: *See*—
Barwick, Eugene T.

Barwick, Eugene T., doing business as E. T. Barwick Mills, Chamblee, Ga. Cotton textile products. Serial No. 613,320, Oct. 16. Class 42.

Behr, Harry, doing business as Harry Behr Co., New York, N. Y. Ladies' suits, cloaks and coats. Serial No. 582,159, Oct. 16. Class 39.

Behr, Harry, Co.: *See*—
Behr, Harry.

Bendix Aviation Corporation, Detroit, Mich. Cleaning preparation. Serial No. 585,363, Oct. 16. Class 52.

Benner Co., The: *See*—
Streator Canning Company.

Berrisford, Geraldine K., doing business as Dee Medical Supply Company, St. Paul, Minn. Therapeutic appliances. Serial No. 589,556, Oct. 16. Class 44.

Bishop, G. H., Co., Chicago, Ill. Starching machines. Serial No. 588,363, Oct. 16. Class 24.

Blue, John, Company, Huntsville, Ala. Agricultural machine. Serial No. 609,225, Oct. 16. Class 23.

Boker, H., & Co., Inc., New York, N. Y. Scissors and shears. Serial No. 605,508, Oct. 16. Class 23.

Borg-Warner Corporation, Chicago, Ill. Automatic power transmission mechanisms. Serial No. 595,590, Oct. 16. Class 23.

Boyd, William, Beverly Hills, Calif. Bed spreads, draperies, textile rugs, and bath mats. Serial No. 606,134, Oct. 16. Class 42.

Boyd, William, Beverly Hills, Calif. Pocket knives and place settings. Serial No. 606,648, Oct. 16. Class 23

Breck, John H., Inc., Springfield, Mass. Shampoo preparations, liquid hair cleaners, etc. Serial No. 584,383. Oct. 16. Class 52.

Brookbound Orchards: *See*—
Miller, Jon H.

Brown, H. H. Shoe Co., Inc., Worcester, Mass. Men's and boys' shoes. Serial No. 582,941. Oct. 16.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Steel wool. Serial No. 601,422, Oct. 16. Class 4.

Burlington Mills Corporation, Greensboro, N. C. Spun rayon and cotton fabric. Serial No. 566,119, Oct. 16. Class 42.

Burnham Corporation, Irvington, N. Y. Heating boilers and oil burning apparatus. Serial No. 606,265, Oct. 16. Class 34.

Butler Paper Corporations, Chicago, Ill. Writing-paper, type-writing paper, wrapping paper, etc. Serial No. 540,517, Oct. 16. Class 37.

Camp, S. H., & Company, Jackson, Mich. Repair and adjustment service on anatomical supports. Serial No. 527,550, Oct. 16. Class 103.

Carroll M., Walter, Atlantico, Columbia. Mineral water. Serial No. 592,192, Oct. 16. Class 45.

Carufel, L. H., Co., Bismarck, N. Dak. Miniature or toy seed testers. Serial No. 602,999, Oct. 16. Class 22.

Chantilly Textile Corporation, New York, N. Y. Silk piece goods. Serial No. 607,577, Oct. 16. Class 42.

Chicago Specialty Manufacturing Co., Chicago, Ill. Tools. Serial No. 605,844, Oct. 16. Class 23.

Chrysler Corporation, Highland Park, Mich. Reactivating cement. Serial No. 578,133, Oct. 16. Class 5.

Circle-Y Tool Co.: *See*—
Johnson, Berd L.

Coleman-Pettersen Corporation, Cleveland, Ohio. Air duct sterilizer units. Serial No. 550,122, Oct. 16. Class 21.

Collord, Incorporated, Detroit, Mich. Grommets. Serial No. 590,352, Oct. 16. Class 13.

Compagnie Generale Transatlantique, Paris, France, and New York, N. Y. Transportation of passengers and freight. Serial No. 589,379, Oct. 16. Class 105.

Consumers Oil Company, New York, N. Y. Lubricating oils. Serial No. 602,603, Oct. 16. Class 15.

Continental Bus System, Inc., Dallas, Tex. Transportation of passengers, baggage, express, etc. Serial No. 548,799, Oct. 16. Class 105.

Co-Operative League of the United States of America Association, Inc., The, New York, N. Y., and Chicago, Ill. Underwriting of insurance. Serial No. 569,053, Oct. 16. Class 102.

Cooper's, Incorporated, Kenosha, Wis. Underwear, hosiery, sport shirts, etc. Serial No. 592,195, Oct. 16. Class 39.

Cordele Hosiery Mills, Incorporated, Cordele, Ga. Ladies' hosiery. Serial No. 606,853, Oct. 16. Class 39.

Crane, Sigmund, New York, N. Y. Absorbent pads for use as diapers. Serial No. 603,002, Oct. 16. Class 39.

Criden, Samuel and Jack, Philadelphia, Pa. Canned dog food. Serial No. 606,416, Oct. 16. Class 46.

Dawe's Products Company, Chicago, Ill. Concentrated compound containing vitamins and antibiotics. Serial No. 610,417, Oct. 16. Class 18.

Dee Medical Supply Company: *See*—
Berrisford, Geraldine K.

Delman, Harry, New York, N. Y. Women's shoes. Serial No. 520,446, Oct. 16. Class 39.

Dentists' Supply Company of New York, The, New York, N. Y. Shade guides for artificial teeth. Serial No. 585,105, Oct. 16. Class 44.

Donel Foundations, New York, N. Y. Women's underwear and foundation garments. Serial No. 500,373, Oct. 16. Class 39.

Draper Brothers Company, Canton, Mass. Pile fabrics. Serial No. 603,774, Oct. 16. Class 42.

E and F Sales Co.: *See*—
Schlesser, Ernest C.

Eagle Stamp Company, St. Louis, Mo. Trading stamps, discount stamps, printed tokens, etc. Serial Nos. 609,080–1, Oct. 16. Class 38.

Edison Distributing Company, Inc., Detroit, Mich., assignor to Possee, Inc., Jersey City, N. J. Liquid adhesive. Serial No. 581,126, Oct. 16. Class 5.

Editorial Dante Quinterno, Sociedad Anonima, Buenos Aires, Argentina. Weekly publication. Serial No. 604,557, Oct. 16. Class 38.

Elliott, B. K. Company, Pittsburgh, Pa. Rubber adhesive cement. Serial No. 591,465, Oct. 16. Class 5.

Etienne, Myron E., Beverly Hills, Calif. Investment counseling. Serial No. 554,965, Oct. 16. Class 100.

Faulkner, Edward, doing business under the firm name of Edward Faulkner and Associates, Los Angeles, Calif. Chemical compound. Serial No. 593,477, Oct. 16. Class 52.

Faulkner, Edward, and Associates: *See*—
Faulkner, Edward.

Feld, Hyman, New York, N. Y. Woolen piece goods. Serial No. 599,755, Oct. 16. Class 42.

Flotill Products, Incorporated, Stockton, Calif. Canned tomato paste. Serial No. 521,443, Oct. 16. Class 46.

Folger, J. A., & Company, Kansas City, Mo. Monthly publication. Serial No. 608,793, Oct. 16. Class 38.

Food Machinery and Chemical Corporation, San Jose, Calif. Agricultural and horticultural spraying and dusting machines. Serial No. 588,684, Oct. 16. Class 23.

Fowler Packing Company: *See*—
Armour and Company.

Franciscan Fathers of the Province of Our Lady of Consolation, Inc., Louisville, Ky. Magazine. Serial No. 573,420, Oct. 16. Class 38.

Fritz Gegauf Aktiengesellschaft, Bernia-Nähmaschinenfabrik, Steckborn, Switzerland. Household and industrial sewing machines and parts thereof. Serial No. 610,515, Oct. 16. Class 23.
General American Transportation Corporation, Chicago, Ill. Railway freight cars. Serial No. 609,444, Oct. 16. Class 19.
Gentleman, Frank, Dallas, Tex. Polish floor wax. Serial No. 597,881, Oct. 16. Class 4.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Milk stirrers, shovels and can crushers. Serial No. 609,363, Oct. 16. Class 23.
Gidumal, Hira, doing business as Gidumal and Sons, New York, N. Y. Woolen, silk, nylon, rayon, and cotton piece goods. Serial No. 576,861, Oct. 16. Class 42.
Gidumal and Sons: *See*—
Gidumal, Hira.
Gillespie, Joseph B., Atlanta, Ga. Detergent and sterilizing preparation. Serial No. 584,490, Oct. 16. Class 52.
Globe Hoist Company, Des Moines, Iowa. Stationary hydraulic automobile hoist. Serial No. 536,076, Oct. 16. Class 23.
Goldfarb Bros., New York, N. Y. Cotton fabrics. Serial No. 604,996, Oct. 16. Class 42.
Goodman & Theise Inc., New York, N. Y. Fabrics in the piece. Serial No. 595,499, Oct. 16. Class 42.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Antioxidants. Serial No. 607,752, Oct. 16. Class 6.
Grainger, W. W., Inc., Chicago, Ill. Electrical fans. Serial No. 608,757, Oct. 16. Class 21.
Grobet File Company of America, Inc., New York, N. Y. Rasps, files, rotary files and counter-sinks. Serial No. 606,527, Oct. 16. Class 23.
Guild of Prescription Opticians of Philadelphia, Philadelphia, Pa. Eye-glass frames. Serial No. 612,802, Oct. 16. Class 26.
H-S Engine Company, Inc., Billings, Mont. Hydraulic power take-off unit. Serial No. 599,511, Oct. 16. Class 23.
Hanson-Van Winkle-Munning Company, Matawan, N. J. Thermo-plastic resin material in tape form. Serial No. 562,141, Oct. 16. Class 5.
Harvey, G. F., Company, The, Saratoga Springs, N. Y. Medicinal preparation. Serial No. 610,128, Oct. 16. Class 18.
Harwood Pharmacal Company: *See*—
Horowitz, Abraham G.
Hercules Powder Company, Wilmington, Del. Methyl ester of tall oil. Serial No. 585,749, Oct. 16. Class 6.
Hibbard, Spencer, Bartlett and Company, Evanston, Ill. Periodical. Serial No. 607,815, Oct. 16. Class 38.
Highland Food Products Co., Minneapolis, Minn. Concentrated feed compositions. Serial No. 543,182, Oct. 16. Class 46.
His Majesty's Coffee Corporation, Oakland, Calif. Coffee. Serial No. 581,478, Oct. 16. Class 46.
Holland-Nahas Import & Export Company, New York, N. Y. Ladies' hosiery. Serial No. 561,191, Oct. 16. Class 39.
Horlacher Brewing Company, Allentown, Pa. Beer. Serial No. 599,173, Oct. 16. Class 48.
Horowitz, Abraham G., doing business as Harwood Pharmacal Company, Newark, N. J. Sedative medicine. Serial No. 610,444, Oct. 16. Class 18.
Hudson, H. D., Manufacturing Company, Chicago, Ill. Manually operated lawn sprayers. Serial No. 601,916, Oct. 16. Class 23.
Hygrade Food Products Corporation, New York, N. Y. Butter and luncheon meat. Serial No. 546,305, Oct. 16. Class 46.
International Non-Aristotelian Library Publishing Company: *See*—
Schuchardt, Charlotte.
Iron Fireman Manufacturing Company, Portland, Oreg. Automatic stokers and automatic stoker fired furnaces. Serial No. 578,856, Oct. 16. Class 34.
Johnson, Bard L., doing business as Circle-Y Tool Co., Freeport, Ill. Cylinder bore roughing and finishing tools and parts therefor. Serial No. 586,248, Oct. 16. Class 23.
Johnson, S. C., & Son, Inc., Racine, Wis. Furniture polish. Serial No. 609,582, Oct. 16. Class 4.
Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 598,019, Oct. 16. Class 39.
Kent-Moore Organization, Inc., Detroit, Mich. Ducts and connecting hose assembly. Serial No. 585,482, Oct. 16. Class 34.
Kestral Corporation, West Springfield, Mass. Inflatable toys. Serial No. 592,430, Oct. 16. Class 22.
Kinkade, Louise, Fremont, Nebr. Preparations for the hair. Serial No. 580,196, Oct. 16. Class 52.
Kitkast Co., The, Arlington, Va. Fishing rods. Serial No. 595,790, Oct. 16. Class 22.
Kleenette Mfg. Co., assignee: *See*—
Zimmer, Kurt W.
Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Electrically powered incandescent spot lights and parts therefor. Serial No. 608,008, Oct. 16. Class 21.
Knit Products Corporation, Belmont, N. C. Ladies', men's and children's hosiery. Serial No. 603,068, Oct. 16. Class 39.
Korzybski, Alfred: *See*—
Schuchardt, Charlotte.
Kreider, A. S., Co., The, Lebanon, Pa. Misses', girls', boys', and children's shoes. Serial No. 578,981, Oct. 16. Class 39.
Kreider, A. S., Co., The, Lebanon, Pa. Misses', girls', boys', men's, women's, and children's shoes. Serial No. 579,983, Oct. 16. Class 39.
Langerman Shoe Co., Brooklyn, N. Y. Footwear. Serial No. 570,970, Oct. 16. Class 39.
Lanificio Ermenegildo Zegna, Trivero (Vercelli) Italy. Textile and knitted fabrics. Serial Nos. 586,123–4, Oct. 16. Class 42.
Leggett, Francis H., & Company, New York, N. Y. Cooking wine. Serial No. 607,820, Oct. 16. Class 47.
Lempco Products, Inc., Bedford, Ohio. Water pumps, lathes, presses, etc. Serial Nos. 597,004–5, Oct. 16. Class 23.
Logansport Machine Co., Inc., Logansport, Ind. Centrifugal pumps. Serial No. 568,644, Oct. 16. Class 23.
Lookout Oil & Refining Company, Chattanooga, Tenn. Salad and cooking oil. Serial No. 608,044, Oct. 16. Class 46.
Luft, George W., Co., Inc., The, Long Island City, N. Y. Lipsticks. Serial No. 606,714, Oct. 16. Class 51.
Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Liquid spray air purifier. Serial No. 596,286, Oct. 16. Class 6.
Mann, Leo, & Company: *See*—
Mann Chemical Laboratories, Inc.
Marcelle Cosmetics, Inc., Chicago, Ill. Soap and shampoo. Serial No. 601,056, Oct. 16. Class 52.
Marion Electric Company: *See*—
Marion, Kenneth O.
Marion, Kenneth O., doing business as Marion Electric Company, Detroit, Mich. Manual and electrically powered industrial wire, and wire cable reeling machines. Serial No. 603,849, Oct. 16. Class 23.
Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candies. Serial No. 603,016, Oct. 16. Class 46.
Mastercraft Manufacturing & Equipment Company, Chicago, Ill. All purpose cleaner. Serial No. 586,294, Oct. 16. Class 52.
McAlester Fuel Company, The, McAlester, Okla. Antifreeze preparation. Serial No. 582,693, Oct. 16. Class 6.
Miles Shoes Incorporated, New York, N. Y. Hosiery. Serial No. 555,949, Oct. 16. Class 39.
Miller, Jon H., doing business as Brookbound Orchards, Claverack, N. Y. Fruit in candy form. Serial No. 597,968, Oct. 16. Class 46.
Mills Industries, Incorporated, Chicago, Ill. Refrigeration condensing units, ice cream freezers, and ice makers. Serial No. 599,518, Oct. 16. Class 31.
Mills Industries, Incorporated, Chicago, Ill. Beverage coolers. Serial No. 599,520, Oct. 16. Class 31.
Minneapolis-Moline Company, assignee: *See*—
Avery, B. F., & Sons Company.
Mirror Bright Polish Co., assignor to Mirror Bright Polish Co., Pasadena, Calif. Finish preservers and waxes. Serial No. 578,936, Oct. 16. Class 16.
Mission Dry Corporation, Los Angeles, Calif. Maltless non-alcoholic beverages. Serial No. 567,995, Oct. 16. Class 45.
Mobar Corporation, Mineral Point, Mo. Ground barytes. Serial No. 592,508, Oct. 16. Class 1.
Modern Transfer Company, Inc., Allentown, Pa. Transportation of property by motor vehicle. Serial No. 606,561, Oct. 16. Class 105.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Textile, woven, woolen rugs and carpets. Serial No. 607,090, Oct. 16. Class 42.
Monark Silver King, Inc., Chicago, Ill. Bicycles. Serial No. 577,221, Oct. 16. Class 19.
Monticello Dairy, Inc., Charlottesville, Va. Fresh milk, fresh cream, fresh butter, etc. Serial No. 588,446, Oct. 16. Class 46.
Murphy, James H., Cleveland, Ohio. Tips for smoking pipes. Serial No. 566,760, Oct. 16. Class 8.
N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Lemonades, mineral and aerated water, cocoa- and cola-flavored maltless soft drinks. Serial No. 580,736, Oct. 16. Class 45.
N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Non-alcoholic maltless soft drinks. Serial No. 580,737, Oct. 16. Class 45.
Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Automobiles, structural parts therefor. Serial No. 597,894, Oct. 16. Class 19.
National Pressure Cooker Company, Eau Claire, Wis. Outboard motors. Serial No. 552,795, Oct. 16. Class 23.
Neoco Corporation, Los Angeles, Calif. Vitamin tablets containing vitamins B_{12} and folic acid. Serial No. 610,184, Oct. 16. Class 18.
North, H. W., Company, The, Erie, Pa. Automatic mixing, kneading, and processing machinery. Serial No. 552,873, Oct. 16. Class 23.
Norton, Nell C., doing business under the firm name and style of Apex Mfg. Laboratories, South Pasadena, Calif. Electrically operated hedge clipper and lawn edger. Serial No. 603,416, Oct. 16. Class 23.
Oil Well Supply Company, Dallas, Tex. Internal combustion engines. Serial No. 606,166, Oct. 16. Class 23.
Old Hundred, Inc., Southbury, Conn. Ice cream. Serial No. 585,679, Oct. 16. Class 46.

Ossola, J., Co.: *See*—
Ossola, J., Co., Inc.
Ossola, J., Co., Inc., also known as J. Ossola Co., New York, N. Y. Cottonseed oil, corn oil and peanut oil. Serial No. 546,601, Oct. 16. Class 46.
Österreichische Knopf- und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Cigarette, cigar and pipe lighters. Serial No. 578,617, Oct. 16. Class 8.
Otto Gas, Incorporated, McCook, Nebr. Petroleum products, to-wit; propane, butane, etc. Serial No. 576,831, Oct. 16. Class 6.
Pabst Brewing Company, Chicago, Ill. Protein digestant used for the removal of spots and stains. Serial No. 600,968, Oct. 16. Class 52.
Pacific Mutual Life Insurance Company, Los Angeles, Calif. Underwriting of life insurance, retirement income, and accident health insurance. Serial No. 564,397, Oct. 16. Class 102.
Panray Corp., The, New York, N. Y. Pharmaceutical preparation. Serial No. 609,376, Oct. 16. Class 18.
Parfums Blanchard, New York, N. Y. Toilet water, cologne, perfume, etc. Serial No. 588,383, Oct. 16. Class 51.
Parkersburg Rig & Reel Company, The, Parkersburg, W. Va., and Houston, Tex. Tank-like separator with necessary regulators, gauges, etc. Serial No. 589,040, Oct. 16. Class 23.
Peerless Photo Products, Inc., Shoreham, N. Y. Sensitized photographic paper. Serial No. 569,393, Oct. 16. Class 26.
Penick, S. B., & Company, New York, N. Y. Waxes. Serial No. 601,525, Oct. 16. Class 15.
Penn-Standard Sole Cementing Process, Inc., Philadelphia, Pa. Hand operated presses. Serial No. 573,676, Oct. 16. Class 23.
Perfect Circle Corporation, Hagerstown, Ind. Instructing mechanics and repair men. Serial Nos. 537,820–1, Oct. 16. Class 107.
Perfect Knit Togs, Inc., New York, N. Y. Infants' creeper. Serial No. 606,046, Oct. 16. Class 39.
Perfumers Guild of America, Inc., New York, N. Y. Perfumes and colognes. Serial No. 599,340, Oct. 16. Class 51.
Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Insect repellents. Serial No. 606,677, Oct. 16. Class 6.
Phalam International Agency, S. A., Habana, Cuba. Playing cards and card games. Serial No. 572,199, Oct. 16. Class 22.
Pierce, S. S., Co., Boston, Mass. Smoking pipes. Serial No. 608,948, Oct. 16. Class 8.
Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blackshear, Ga. Shoes. Serial No. 595,911, Oct. 16. Class 39.
Pilgrim Associates, Inc., New York, N. Y. Insurance brokerage. Serial No. 548,757, Oct. 16. Class 102.
Pollock, Robert T., Corporation, The, New York, N. Y. Hydrocarbon diesel fuels. Serial No. 600,616, Oct. 16. Class 15.
Polyphase Chemical Service, Inc., New York, N. Y. Chemicals and chemical products. Serial No. 593,935, Oct. 16. Class 6.
Porter, H. K., Inc., Somerville, Mass. Solvent used in connection with cold solder. Serial No. 597,903, Oct. 16. Class 6.
Posees, Inc., assignee: *See*—
Edison Distributing Company, Inc.
Process Engineers, Incorporated, Los Angeles, Calif. Sewage and water treatment equipment apparatus. Serial No. 554,814, Oct. 16. Class 23.
Ralston Purina Company, St. Louis, Mo. Animal feeds. Serial No. 552,713, Oct. 16. Class 46.
Reese, H. B., Candy Company, Hershey, Pa. Chocolates. Serial No. 598,959, Oct. 16. Class 46.
Reeves Instrument Corporation, New York, N. Y. Electronic analogue computers. Serial No. 607,683, Oct. 16. Class 26.
Reichhold Chemicals, Inc., Detroit, Mich. Styrene base resin solution for use in paints. Serial No. 578,826, Oct. 16. Class 16.
Riffle Farm and Hatchery: *See*—
Riffle, John A.
Riffle, John A., doing business as John Riffle Hatcheries and Riffle Farm and Hatchery, Shenandoah, Iowa. Eviscerated or cut-up dressed poultry. Serial No. 603,420, Oct. 16. Class 46.
Riffle, John, Hatcheries: *See*—
Riffle, John A.
Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors, switch box covers, and electric welders. Serial No. 611,539, Oct. 16. Class 21.
Rosedale Knitting Company, Reading, Pa. Hosiery. Serial No. 603,206, Oct. 16. Class 39.
Ross, Will, Inc., Milwaukee, Wis. Cotton garments. Serial No. 599,979, Oct. 16. Class 39.
Rossiger, H. P., & Co. Inc., New York, N. Y. Grain disinfectant. Serial No. 599,192, Oct. 16. Class 6.
Rossman, Jerry, Corporation, New York, N. Y. Textile fabrics. Serial No. 599,529, Oct. 16. Class 42.
Rubenstein, J., & Sons, Jersey City, N. J. Kits including several items from the following list: Venetian blind cords, Venetian blind tapes, etc. Serial No. 603,896, Oct. 16. Class 50.
Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned tuna. Serial No. 610,587, Oct. 16. Class 46.
Sandhill Furniture Corporation, West End, N. C. Furniture. Serial No. 575,440, Oct. 16. Class 32.
Saver Company, Washington, D. C. Book covers. Serial No. 583,554, Oct. 16. Class 37.
Schering Corporation, Bloomfield, N. J. Drug of steriodal nature. Serial No. 607,686, Oct. 16. Class 18.
Schiesser, Ernest C., doing business as E and F Sales Co., Peninsula, Ohio. Chemical cleaner. Serial No. 600,789, Oct. 16. Class 52.
Schuchardt, Charlotte, executrix under the last will and testament of A. Korzybski (deceased), carrying on a business under the name of International Non-Aristotelian Library Publishing Company, Lakeville, Conn. Printed books. Serial No. 606,240, Oct. 16. Class 38.
Sears, Roebuck and Co., Chicago, Ill. Men's underwear. Serial No. 570,518, Oct. 16. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Desk pads and blotters, photograph folders, etc. Serial No. 570,521, Oct. 16. Class 37.
Shamokin Woolen Mills, Inc., New York, N. Y. Upholstery fabrics. Serial No. 607,645, Oct. 16. Class 42.
Shelton Manufacturing Co., Inc., Long Island City, N. Y. Corrugated paper board. Serial No. 583,448, Oct. 16. Class 37.
Sheridan Flouring Mills, Inc., Sheridan, Wyo. Hard wheat bakers' flour. Serial No. 584,040, Oct. 16. Class 46.
Shlansky, Philip, & Sons, Inc., New York, N. Y. Ladies' and misses' coats, jackets, and skirts. Serial No. 599,127, Oct. 16. Class 39.
Shulman Abrash, Inc., Paterson, N. J. Fabrics in the piece. Serial No. 613,284, Oct. 16. Class 42.
Smith, Jas. H., & Sons Corp., Griffith, Ind. Portable device consisting of arms, lamps, and reflectors, for mounting on a camera. Serial No. 568,403, Oct. 16. Class 21.
Societe Nouvelle de Construction de Machines Outils et d'Outillages, Paris, France. Milling and boring machines, etc. Serial No. 586,885, Oct. 16. Class 23.
Spencer-Safford Loadcraft, Inc., Augusta, Kans. Large moving van, oil well supply type trailers. Serial No. 608,584, Oct. 16. Class 19.
Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. Serial No. 610,193, Oct. 16. Class 18.
Stensel, K., & Sons, New York, N. Y. Spectacle frames and parts thereof. Serial No. 612,875, Oct. 16. Class 26.
Stewart Paint Manufacturing Company, Minneapolis, Minn. Enamel paint and varnish. Serial No. 575,725, Oct. 16. Class 16.
Strauss Decorating and Exposition Company, Inc., New York, N. Y. Arranging, planning and constructing commercial displays, etc. Serial No. 576,023, Oct. 16. Class 103.
Streator Canning Company, doing business under the name The Benner Co., Streator, Ill. Wallpaper cleaner. Serial No. 597,024, Oct. 16. Class 52.
Streuli, G., & Co., Uznach, Switzerland. Polyvalent vaccine. Serial No. 609,106, Oct. 16. Class 18.
Strong Electric Corporation, The, Toledo, Ohio. Electric spotlights and parts thereof. Serial No. 613,092, Oct. 16. Class 21.
Suds-Up Corporation, The, Buffalo, N. Y. Detergent cleansing powder. Serial No. 508,872, Oct. 16. Class 52.
Sun Chemical Corporation, Long Island City, N. Y. Mildew-proofing compositions. Serial No. 608,770, Oct. 16. Class 6.
Swank, Inc., Attleboro, Mass. Tie holder. Serial No. 599,600, Oct. 16. Class 28.
Thayer, Inc., Gardner, Mass. Baby carriages. Serial No. 608,963, Oct. 16. Class 19.
Thompson-Hayward Chemical Co., Kansas City, Mo. Insecticide. Serial No. 609,384, Oct. 16. Class 6.
Twin City Shellac Co. Inc., Brooklyn, N. Y. Cleaner and polish. Serial No. 558,764, Oct. 16. Class 4.
Ubiko Milling Company, The, St. Bernard, Ohio. Dairy feed. Serial No. 567,814, Oct. 16. Class 46.
Union Oil Company of California, Los Angeles, Calif. Lubricating oils. Serial No. 598,819, Oct. 16. Class 15.
Union Trading Company Ltd., Basel, Switzerland. Knives, spoons, forks, etc. Serial No. 586,379, Oct. 16. Class 23.
United Merchants and Manufacturers, Inc., New York, N. Y. Cotton piece goods. Serial No. 607,361, Oct. 16. Class 42.
United States Steel Corporation, New York, N. Y. Wire rope lubricant. Serial No. 588,245, Oct. 16. Class 15.
Universal Nutritions, Inc., New York, N. Y. Dietary supplement tablets. Serial No. 609,578, Oct. 16. Class 18.
Universal Western Chemical Corp., Chicago, Ill. Cleaning and polishing preparation. Serial No. 596,312, Oct. 16. Class 4.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 604,554, Oct. 16. Class 18.
Vaughan Mfg. Co., Chicago, Ill., by change of name from Vaughan Novelty Mfg. Co. Can openers. Serial No. 566,370, Oct. 16. Class 23.
Vaughan Novelty Mfg. Co.: *See*—
Vaughan Mfg. Co.

Verband Nordostschweizkäsereiund Milchgenossenschaften, Inhaber der Weichkäserei Uster Winterthur, Switzerland. Cheese. Serial No. 586,210, Oct. 16. Class 46.
Vineburgh, Lawrence H. M., Hartford, Conn. Carburators. Serial No. 569,919, Oct. 16. Class 23.
Vlock, Mark, doing business under the name of Adapta Film Holder Co., New York, N. Y. X-ray film holders. Serial No. 605,245, Oct. 16. Class 26.
Wall-Streeter Shoe Co., North Adams, Mass. Men's and boys' shoes. Serial No. 582,195, Oct. 16. Class 39.
Western Tool and Stamping Co., Des Moines, Iowa. Lawn mowers, hand operated lawn sweepers. Serial No. 599,403, Oct. 16. Class 23.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Molybdenum disulphide used as a lubricant. Serial No. 583,458, Oct. 16. Class 15.
Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Lubricating oils and lubricating greases. Serial No. 606,101, Oct. 16. Class 15.
White Laboratories, Inc., Newark, N. J. Antibiotic preparation. Serial No. 609,753, Oct. 16. Class 18.
Windsor Fabrics, New York, N. Y. Piece goods. Serial No. 600,159, Oct. 16. Class 42.
Winthrop-Stearns Inc., New York, N. Y. Oral vasopressor. Serial No. 610,039, Oct. 16. Class 18.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent composition. Serial No. 591,533, Oct. 16. Class 52.
Yale & Towne Manufacturing Company, The, New York, N. Y. Electric and manually operated load transporting and lifting trucks. Serial No. 538,338, Oct. 16. Class 23.
Yawman and Erbe Mfg. Co., Rochester, N. Y. File guides, card-index guides, etc. Serial No. 596,464, Oct. 16. Class 37.
Zimmer, Kurt W., assignor to Klennette Mfg. Co., Chicago, Ill. Metal scouring sponge. Serial No. 591,213, Oct. 16. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Fungicide cream. 549,558, Oct. 16; Serial No. 595,750, published June 26, 1951. Class 18.
Aberle, Inc.: *See*—
Combibe Hosiery Corporation.
Acro Welder Mfg. Co., Milwaukee, Wis. Heavy duty high power stationary and semi-portable electrical welders and brazers. 549,447, Oct. 16; Serial No. 575,144, published July 3, 1951. Class 21.
Addis, Charles M.: *See*—
Attapulgus Clay Company.
Adelaar Bros., Inc., New York, N. Y. Girls', misses' and ladies' skirts and blouses. 549,732, Oct. 16; Serial No. 609,709. Class 39.
Adèle Dalsa, Inc., Queens, N. Y. Cosmetics. 549,364, Oct. 16; Serial No. 533,718, published June 26, 1951. Class 51.
Adolphus Rice Mills, Inc., Houston, Tex. Rice. 549,638, Oct. 16; Serial No. 602,991, published June 5, 1951. Class 46.
Advance Stores Company, Incorporated, Roanoke, Va. Storage batteries. 549,572, Oct. 16; Serial No. 597,861, published June 26, 1951. Class 21.
Aeroquip Corporation, Jackson, Mich. Metal fittings and couplings. 549,555, Oct. 16; Serial No. 595,696, published July 24, 1951. Class 13.
Aeroquip Corporation, Jackson, Mich. Metal fittings and couplings. 549,556, Oct. 16; Serial No. 595,699, published July 24, 1951. Class 13.
Aeroquip Corporation, Jackson, Mich. Metal fittings and couplings. 549,559, Oct. 16; Serial No. 595,752, published July 24, 1951. Class 13.
Agbay, Annie, doing business as Agbay Garter Company, Worcester, Mass. Garter fasteners. 549,712, Oct. 16; Serial No. 574,944. Class 40.
Agbay Garter Company: *See*—
Agbay, Annie.
Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden. Bath-furnaces, bath-heaters, benzin-stoves, etc. 79,424, Sept. 6, 1910. Republished Oct. 16. Class 34.
Alexander Bros. Co., Savannah, Ga. Overalls. 83,537, Sept. 26, 1911. Republished Oct. 16. Class 39.
Alhydro, Inc., Baltimore, Md. Electrolytic floc producer. 549,411, Oct. 16; Serial No. 562,743, published July 3, 1951. Class 21.
Altman, Harry, Brooklyn, N. Y. Electrical sound and recording apparatus. 549,708, Oct. 16; Serial No. 568,483. Class 21.
American Chewing Products Corp., Newark, N. J., assignor to The Lone Ranger, Inc., Detroit, Mich. Chewing gum. 549,571, Oct. 16; Serial No. 597,727, published June 5, 1951. Class 46.
American Cystoscope Makers, Inc., New York, N. Y. Otoscopes and components thereof. 544,586, July 3, 1951. Corrected. O. G. Oct. 16. Class 44.
American Hydrotherm Corp., New York, N. Y. Pumps. 549,488, Oct. 16; Serial No. 584,260, published July 17, 1951. Class 23.
American Vault Company, Detroit, Mich. Concrete burial vaults. 549,645, Oct. 16; Serial No. 603,626, published July 24, 1951. Class 2.
Anchor Appliance Mfg. Co., Columbus, Ohio. Fluorescent, slimline and incandescent light fixtures. 549,568, Oct. 16; Serial No. 597,037, published July 3, 1951. Class 21.
Anstone Manufacturing Company, Los Angeles, Calif. Portable manually operated laminating press. 549,391, Oct. 16; Serial No. 551,751, published Aug. 29, 1950. Class 23.
Appliance Manufacturing Company, Alliance, Ohio. Garment washing machines and laundry drying machines. 549,701, Oct. 16; Serial No. 611,733, published July 31, 1951. Class 24.
Armour and Company, doing business as Columbus Packing Company, Chicago, Ill. Butter. 549,362, Oct. 16; Serial No. 531,978, published June 19, 1951. Class 46.
Armour and Company, Chicago, Ill. Lard. 549,373, Oct. 16; Serial No. 543,393, published May 22, 1951. Class 46.
Armour and Company, Chicago, Ill. Food product. 549,446, Oct. 16; Serial No. 574,881, published July 3, 1951. Class 46.
Arnold, S. M., Inc., St. Louis, Mo. Sponges and chamois. 549,566, Oct. 16; Serial No. 596,644, published July 3, 1951. Class 1.
Associated Press, The, New York, N. Y. Series of cartoons. 289,405, renewed Nov. 24, 1951. O. G. Oct. 16. Class 38.
Associated Press, The, New York, N. Y. Series of cartoons. 289,714, renewed Dec. 1, 1951. O. G. Oct. 16. Class 38.
Atlas-Boxmakers, Inc., Chicago, Ill. Packing and shipping boxes. 549,482–3, Oct. 16; Serial Nos. 582,515–16, published July 24, 1951. Class 2.
Attapulgus Clay Company, Philadelphia, Pa., assignee of Charles M. Addis, doing business as Refiners Lubricating Company. Floor cleaning compounds. 549,430, Oct. 16; Serial No. 569,586, published July 17, 1951. Class 52.
Atuyer, Bianchini, Ferier & Co., Lyon, France, to Bianchini, Ferier, Inc., New York, N. Y. Silk piece goods. 82,954, re-renewed Aug. 8, 1951. O. G. Oct. 16. Class 42.
Atwood Coffee Co.: *See*—
Atwood Coffee Company.
Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn. Coffee. 549,381, Oct. 16; Serial No. 546,167, published Jan. 16, 1951. Class 46.
Augusta Knitting Corporation, Utica, N. Y. Women's underwear. 286,286, renewed Aug. 25, 1951. O. G. Oct. 16. Class 39.
Augusta Knitting Corporation, Utica, N. Y. Women's underwear. 286,854, renewed Sept. 8, 1951. O. G. Oct. 16. Class 39.
Baker, L. Candies: *See*—
Baker, Louis D.
Baker, Louis D., doing business as L. Baker Candies, Cleveland, Ohio. Candies. 549,589, Oct. 16; Serial No. 599,485, published June 5, 1951. Class 46.
Ballard & Ballard Co., Louisville, Ky. Wheat-flour. 549,541, Oct. 16; Serial No. 593,461, published June 5, 1951. Class 46.
Ballinger, Joe, assignee: *See*—
Bush, Richard A.
Bar-Brook Manufacturing Co., Inc., Shreveport, La. Electric toaster. 549,664, Oct. 16; Serial No. 604,950, published June 26, 1951. Class 21.
Barclay & Barclay, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Soap. 83,630, renewed Oct. 3, 1951. O. G. Oct. 16. Class 52.
Basic Food Materials, Inc., Vermilion, Ohio. Food seasoning preparation. 549,583, Oct. 16; Serial No. 598,879, published May 29, 1951. Class 46.
Bayonne Wholesale Food Co.: *See*—
Spitzer, Hyman.
Beatrice Creamery Company, to Beatrice Foods Co., Chicago, Ill. Milk and cream. 285,893, renewed Aug. 11, 1951. O. G. Oct. 16; Class 46.
Beatrice Foods Co.: *See*—
Beatrice Creamery Company.
Jersey Ice Cream Products Corporation, The.
Beasley, Charles, doing business as Electronics Experimental (Electrex), Chicago, Ill. Electronic sleeping aids. 549,567, Oct. 16; Serial No. 596,825, published July 10, 1951. Class 21.
Behr, Carl E., doing business as Janet Forister, Bloomington, Ill. Sugar coated pecan meats. 549,590, Oct. 16; Serial No. 599,488, published May 22, 1951. Class 46.
Bennett-Ray Canning Company, Pharr, Tex. Canned vegetables. 549,674, Oct. 16; Serial No. 605,984, published July 31, 1951. Class 46.

Bergart, H. C., Co., Chicago, Ill. Fresh vegetables and fruits. 549,503, Oct. 16; Serial No. 585,989, published July 10, 1951. Class 46.
Berkeley Industries, Jersey City, N. J. Metal rods and racks. 549,661, Oct. 16; Serial No. 604,717, published July 31, 1951. Class 13.
Berry Brothers, Quincy, Ill. Baby chicks. 549,591, Oct. 16; Serial No. 599,494, published July 17, 1951. Class 1.
Best Effect Chemical Co., Inc., Hackensack, N. J. Stain removers. 549,713, Oct. 16; Serial No. 579,012. Class 52.
Bianchini, Ferier, Lyon, France, to Bianchini, Ferier, Inc., New York, N. Y. Piece goods. 284,766, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Bianchini, Ferier, Lyon, France, to Bianchini, Ferier, Inc., New York, N. Y. Piece goods. 289,447, renewed Nov. 24, 1951. O. G. Oct. 16. Class 42.
Bianchini, Ferier, Inc.: *See*—
Atuyer, Bianchini, Ferier & Co.
Bianchini, Ferier.
Bigham Gin Supply Co., Lubbock, Tex. Lubricating oils and greases. 549,683, Oct. 16; Serial No. 606,967, published July 3, 1951. Class 15.
Black Magic Adhesives, New York, N. Y. Adhesive liquid. 549,715, Oct. 16; Serial No. 584,657. Class 5.
Blue Bird Mfg. Co.: *See*—
Russell, Rae W.
Bofinger & Klingler, Inc., San Francisco, Calif. Sweaters and sport jackets. 351,571, Nov. 2, 1937. Canceled Aug. 30, 1951. O. G. Oct. 16. Class 39.
Bogue Electric Manufacturing Company, Paterson, N. J. Electrical equipment. 549,594, Oct. 16; Serial No. 599,741, published Apr. 17, 1951. Class 21.
Boos, Ralph H., doing business under the name and style Kumbak Company, Minneapolis, Minn. Combined compass, match and map case, and whistle. 549,702, Oct. 16; Serial No. 612,649, published July 31, 1951. Class 22.
Borden Company, The: *See*—
Tykor Products, Inc.
Borden Company, The, New York, N. Y. Fluid milk. 549,620, Oct. 16; Serial No. 602,119, published June 26, 1951. Class 46.
Bowen Products Corporation, Ecorse, Mich. All types of finished metal stampings. 549,365, Oct. 16; Serial No. 534,083, published July 17, 1951. Class 14.
Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Upper cylinder and valve lubricant. 549,680, Oct. 16; Serial No. 606,364, published July 3, 1951. Class 15.
Boyd, William, Beverly Hills, Calif. Bicycle horns. 549,677, Oct. 16; Serial No. 606,126, published July 3, 1951. Class 23.
Brach, E. J., & Sons, Chicago, Ill. Candy. 549,359, Oct. 16; Serial No. 513,802, published July 24, 1951. Class 46.
Bray Chemical Co., Inc., Chicago, Ill. Powder for cleaning and scouring purposes. 408,469, Aug. 15, 1944. Canceled Aug. 24, 1951. O. G. Oct. 16. Class 52.
Brown, Durrell, Co., to John Corrigan, Boston, Mass. Handkerchiefs. 82,959, re-renewed Aug. 8, 1951. O. G. Oct. 16. Class 39.
Bruce, E. L., Co., Memphis, Tenn. Oak flooring. 285,659, renewed Aug. 4, 1951. O. G. Oct. 16. Class 12.
Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 549,547, Oct. 16; Serial No. 594,882, published July 17, 1951. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 549,686, Oct. 16; Serial No. 607,737, published July 17, 1951. Class 42.
Bush, Richard A., doing business as Hereford Farms, assignor to J. Ballinger, Hereford, Tex. Fresh vegetables. 549,475, Oct. 16; Serial No. 581,117, published July 24, 1951. Class 46.
Butters, Harry, doing business as Butters Mfg. Co., Boston, Mass. Cleaning compound. 549,471, Oct. 16; Serial No. 580,820, published July 17, 1951. Class 52.
Butters Mfg. Co.: *See*—
Butters, Harry.
Butters Manufacturing Company, Atlanta, Ga. Milling cutters. 549,667, Oct. 16; Serial No. 605,464, published July 17, 1951. Class 23.
Calgon, Incorporated, Pittsburgh, Pa. Metal cleaners and detergents. 549,515, Oct. 16; Serial No. 588,002, published July 17, 1951. Class 52.
California Farmer, San Francisco, Calif. Magazine. 549,711, Oct. 16; Serial No. 571,791. Class 38.
Calvin Chemical Corporation, Miami, Fla. Topical anesthetic. 549,534, Oct. 16; Serial No. 592,304, published June 26, 1951. Class 18.
Camp Chemical Company, Inc., Brooklyn, N. Y. Chemical compound. 549,463, Oct. 16; Serial No. 579,081, published July 17, 1951. Class 52.
Canfield, H. O., Co., The, Bridgeport, Conn. Plumbers' supply specialties. 549,476, Oct. 16; Serial No. 581,119, published July 24, 1951. Class 13.
Canfield, H. O., Co., The, Bridgeport, Conn. Plumbers' supply specialties. 549,670, Oct. 16; Serial No. 605,630, published July 10, 1951. Class 13.
Canton Stamping & Enameling Company, The, Canton, Ohio. Porcelain enamel coated base metal cooking, kitchen, and household ware. 549,363, Oct. 16; Serial No. 533,535, published July 24, 1951. Class 13.
Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Abrasive articles. 83,390, re-renewed Sept. 12, 1951. O. G. Oct. 16. Class 4.
Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Steel center abrasive wheels. 286,992, renewed Sept. 8, 1951. O. G. Oct. 16. Class 4.
Carborundum Company, The, to The Carborundum Company, Niagara Falls, N. Y. Pyrometer tubes, muffles. 287,703, renewed Oct. 6, 1951. O. G. Oct. 16. Class 26.
Carleton Schaller & Co., Inc., New York, N. Y. Tablecloths and napkins. 549,714, Oct. 16; Serial No. 579,947. Class 42.
Carroll, P. J., & Co. Limited, Dundalk, Ireland, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England. Smoking tobaccos, snuffs, and cigarettes. 282,072, renewed Apr. 7, 1951. O. G. Oct. 16. Class 17.
Carroll, P. J., & Co. Limited, Dundalk, Ireland, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England. Smoking tobaccos, snuffs, and cigarettes. 282,076–8, renewed Apr. 7, 1951. O. G. Oct. 16. Class 17.
Carroll, P. J., & Co. Limited, Dundalk, Ireland, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England. Smoking tobaccos, snuffs, and cigarettes. 282,083, renewed Apr. 7, 1951. O. G. Oct. 16. Class 17.
Carson Pirie Scott & Co., Chicago, Ill., to Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton piece goods. 285,541, renewed July 28, 1951. O. G. Oct. 16. Class 42.
Casimir Funk Laboratories, Inc., New York, N. Y. Medicinal preparation. 549,607, Oct. 16; Serial No. 600,657, published July 3, 1951. Class 18.
Castlelight Company, Pittsburgh, Pa. Electric lighting fixtures. 549,489, Oct. 16; Serial No. 584,571, published July 3, 1951. Class 21.
Central California Berry Growers Association, San Jose, Calif. Fresh strawberries. 549,495, Oct. 16; Serial No. 585,314, published May 29, 1951. Class 46.
Challenge Cream & Butter Association, Los Angeles, Calif. Butter. 286,346, renewed Aug. 25, 1951. O. G. Oct. 16. Class 46.
Chappel Bros., Inc., Rockford, to The Quaker Oats Company, Chicago, Ill. Canned meat and cereals for dogs. 285,884, renewed Aug. 11, 1951. O. G. Oct. 16. Class 46.
Chevallier-Appert, Raymond, to Bernard Charles Herard Marie du Cauze de Naselle, Paris, France. Liquid and solid materials used for filtering, clarifying and preserving wines, beers, and other beverages. 275,160, renewed Sept. 16, 1950. O. G. Oct. 16. Class 6.
Chocolishus Company, The: *See*—
Hunter, H. B.
Clarnico Limited, London, England. Candies and biscuits. 549,413, Oct. 16; Serial No. 562,986, published June 12, 1951. Class 46.
Clarnico Limited, London, England. Candies, preserved and crystallized fruits, and biscuits. 549,414, Oct. 16; Serial No. 562,987, published June 12, 1951. Class 46.
Clayton Manufacturing Company, The, Bristol, Conn. Scissors and shears. 549,377–8, Oct. 16; Serial Nos. 544,703–04, published July 3, 1951. Class 23.
Cleveland Hobbing Machine Company, The, Euclid, Ohio. Hobbing machines. 549,383, Oct. 16; Serial No. 548,330, published July 10, 1951. Class 23.
Clinical Products Limited, Richmond, England. Laxative preparation. 549,605, Oct. 16; Serial No. 600,570, published July 3, 1951. Class 18.
Clothiers Corporation, Chicago, Ill., by Wickbury, Ltd., New York, N. Y. Men's and boys' suits, overcoats, trousers, etc. 281,398, Mar. 17, 1931. Republished Oct. 16. Class 39.
Cohan, Jack, doing business under the name of Curlcare Company, New York, N. Y. Cream oil shampoo. 549,727, Oct. 16; Serial No. 599,551. Class 52.
Cohen, Goldman & Co. Inc., New York, N. Y., to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's, boys' and children's outer garments. 289,918, renewed Dec. 15, 1951. O. G. Oct. 16. Class 39.
Cole, Lesley C., executrix: *See*—
Cole, William H.
Cole-Whit Co., Inc., Charlotte, N. C. Vagina cleansing or body cavity irrigating apparatus. 549,646, Oct. 16; Serial No. 603,836, published July 3, 1951. Class 44.
Cole, William H., doing business as W. H. Cole Chocolate Co., Boston, Mass.; L. C. Cole, executrix of said W. H. Cole, deceased, assignor to W. H. Cole Chocolate Co. Candy. 549,518, Oct. 16; Serial No. 588,276, published May 22, 1951. Class 46.
Collot, A. M., Supplies, Inc., Miami, Fla. Lawnmower parts. 549,552, Oct. 16; Serial No. 595,449, published July 3, 1951. Class 23.
Color Lighting Corporation, The, New York, N. Y., assignor to Duro-Test Corporation, North Bergen, N. J. Electric lighting apparatus and parts thereof. 549,501, Oct. 16; Serial No. 585,633, published July 3, 1951. Class 21.
Colorado Milling & Elevator Co., The, doing business under the style name of The Eagle Flour Mills Co., Denver, Colo. Wheat flour. 549,389, Oct. 16; Serial No. 551,234, published May 29, 1951. Class 46.

Colorado Milling & Elevator Co., The, doing business under the style name of Springfield Flour Mills, Denver, Colo., and Springfield, Mo. Wheat flour. 549,498, Oct. 16; Serial No. 565,429, published May 29, 1951. Class 46.
Columbus Packing Company: *See*—
Armour and Company.
Combine Hosiery Corporation, Wilmington, Del., and New York, N. Y., to Aberle, Inc., Philadelphia, Pa. Hosiery. 286,247, renewed Aug. 25, 1951. O. G. Oct. 16. Class 39.
Commodity House, Steubenville, Ohio. Paper bags. 549,521, Oct. 16; Serial No. 589,954, published July 17, 1951. Class 2.
Compagnie Generale d'Electro-Ceramique, Paris, France. Electric condensers. 549,601–2, Oct. 16; Serial Nos. 600,419–20, published July 10, 1951. Class 21.
Compco Corporation, Chicago, Ill. Electric light reflectors. 549,470, Oct. 16; Serial No. 580,185, published July 17, 1951. Class 21.
Compco Corporation, Chicago, Ill. Portable suction-cup article-securing guards. 549,487, Oct. 16; Serial No. 583,590, published July 10, 1951. Class 13.
Consolidated Iron-Steel Mfg. Co., The, Cleveland, Ohio. Spiral door springs. 549,500, Oct. 16; Serial No. 585,567, published July 24, 1951. Class 13.
Continental Merchandise Corporation, assignor to M. H. Jacobs, Inc., Chicago, Ill. Insecticides. 549,395, Oct. 16; Serial No. 554,285, published July 3, 1951. Class 6.
Corrigan, John: *See*—
Brown, Durrell, Co.
Corte, A. A., & Sons, Loxley, Ala. Potatoes. 549,404, Oct. 16; Serial No. 558,553, published July 24, 1951. Class 46.
Crofut & Knapp Company, The, South Norwalk, by Hat Corporation of America, Norwalk, Conn. Hats. 288,679, Nov. 3, 1931. Republished Oct. 16. Class 39.
Crookes Laboratories, Inc., New York, N. Y. Analgesic pharmaceutical preparation. 549,662, Oct. 16; Serial No. 604,770, published July 3, 1951. Class 18.
Crossett Chemical Company, Crossett, Ark. Charcoal. 549,659, Oct. 16; Serial No. 604,521, published July 3, 1951. Class 1.
Crown Jewel Ware, Inc., Chicago, Ill. Copper sheathed cooking pots and pans. 516,460, Oct. 18, 1949. Canceled Aug. 30, 1951. O. G. Oct. 16. Class 13.
Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif. Towel dispensing cabinets. 549,360, Oct. 16; Serial No. 527,188, published July 24, 1951. Class 13.
Curicare Company: *See*—
Cohen, Jack.
Custom Furniture Finishers Guild: *See*—
Woodward, Albert Y.
Dahlstrom Metallic Door Company, Jamestown, N. Y. Metallic doors, metallic interior and exterior building trim, etc. 549,399, Oct. 16; Serial No. 555,926, published July 3, 1951. Class 12.
Darula, Joseph, Jr., Kenosha, Wis. Bowling balls. 549,724, Oct. 16; Serial No. 594,956. Class 22.
Davis, E. B., Company, Hoboken, N. J. Product comprising malt, cocoa, and other ingredients. 549,376, Oct. 16; Serial No. 544,062, published June 12, 1951. Class 46.
Deepsouth Packing Company: *See*—
Skrmetta, Ray.
Deere & Company, Moline, Ill. Hydraulic control mechanism. 549,507, Oct. 16; Serial No. 586,794, published July 17, 1951. Class 23.
Delaware Market Dairy Products: *See*—
Greenberg, Jack, Inc.
Denver Wholesale Florists Company, The, Denver, Colo. Blooms, plants, cuttings, etc. 549,723, Oct. 16; Serial No. 594,697. Class 1.
De Pree Company, The, Holland, Mich. Alteratives, antacid preparations, antiseptics, aspirin tablets, etc. 549,407, Oct. 16; Serial No. 560,452, published July 17, 1951. Class 4.
De Sanno, Albert P., Jr., trading under the name Albert P. de Sanno & Son, Phoenixville, Pa. Dental abrading discs and strips. 549,611, Oct. 16; Serial No. 600,823, published July 3, 1951. Class 44.
De Sanno, Albert P., & Son: *See*—
De Sanno, Albert P., Jr.
Desert Citrus Products Association, Tempe, by Yuma Mesa Fruit Growers Association, Yuma, Ariz. Canned citrus juices. 360,991, Oct. 4, 1938. Republished Oct. 16. Class 46.
Diamond Alkali Company, Cleveland, Ohio. Penetrating or wetting agent. 549,472, Oct. 16; Serial No. 580,828, published July 17, 1951. Class 52.
Diane Export Co., New York, N. Y. Textile fabrics. 549,430, Oct. 16; Serial No. 571,410, published July 17, 1951. Class 42.
Douglas, W. L., Shoe Co., Portland, Maine, Boston and Brockton, Mass., New York, N. Y., Denver, Colo., Buffalo, N. Y. and Philadelphia, Pa., to W. L. Douglas Shoe Company, Boston, Mass., and Nashville, Tenn. Leather boots and shoes. 32,876, re-renewed Aug. 1, 1951. O. G. Oct. 16. Class 39.
Douglas, W. L., Shoe Company: *See*—
Douglas, W. L., Shoe Co.
Dresser Industries, Inc., Cleveland, Ohio. Metal couplings and metal clamps, metal fittings. 549,537, Oct. 16; Serial No. 593,164, published July 24, 1951. Class 13.
Dresser Industries, Inc., Dallas, Tex. Corrosion shields. 549,627, Oct. 16; Serial No. 602,311, published July 17, 1951. Class 13.
Dubied, Edouard, & Cie, Societe Anonyme, Couvet, Neuchatel, Switzerland. Mounting hardware. 549,379, Oct. 16; Serial No. 544,985, published July 31, 1951. Class 13.
Du Cauze de Nazelle, Bernard C. H. M.: *See*—
Chevallier-Appert, Raymond.
Duncan, W. G., Coal Company, Inc., Greenville, Ky. Coal. 549,720, Oct. 16; Serial No. 592,261. Class 1.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds. 549,432, Oct. 16; Serial No. 569,965, published July 17, 1951. Class 1.
Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa. Bolts, screws, chains, etc. 549,474, Oct. 16; Serial No. 580,877, published July 10, 1951. Class 13.
Duro-Test Corporation, assignee: *See*—
Color Lighting Corporation, The.
Dzus Fastener Co., Inc., West Islip, N. Y. Quick-acting, self-locking fasteners and fastener parts and accessories. 549,506, Oct. 16; Serial No. 586,798, published July 10, 1951. Class 13.
Eagle Flour Mills Co., The: *See*—
Colorado Milling & Elevator Co., The.
Electronics Experimental (Electrex): *See*—
Beasley, Charles.
Ely & Walker Dry Goods Company: *See*—
Carson Pirie Scott & Co.
Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies', misses', and children's woven and knitted underwear. 285,426, renewed July 28, 1951. O. G. Oct. 16. Class 39.
Emulsol Corporation, Chicago, Ill. Emulsion and margarine improving substances. 290,139, renewed Dec. 22, 1951. O. G. Oct. 16. Class 46.
Enso-Gutzeit Osakeyhtio, Kotka, to Enso-Gutzeit Osakeyhtio, Helsingfors, Finland. Cellulose. 285,169, renewed July 14, 1951. O. G. Oct. 16. Class 1.
Enso-Gutzeit Osakeyhtio, Kotha, to Enso-Gutzeit Osakeyhtio, Helsingfors, Finland. Papers. 287,327, renewed Sept. 22, 1951. O. G. Oct. 16. Class 37.
Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 287,175, renewed Sept. 15, 1951. O. G. Oct. 16. Class 22.
Eries Manufacturing Company, Erie, Pa. Non-electric magnetic separators. 549,592, Oct. 16; Serial No. 599,559, published July 10, 1951. Class 21.
Eries Manufacturing Company, Erie, Pa. Non-electric permanent magnetic separators. 549,706–7, Oct. 16; Serial Nos. 559,914–15. Class 21.
Europa Schreibmaschinen A. G., Erfurt, to Olympia Buromaschinenwerke A. G., Wilhelmshaven, Germany. Typewriters and parts thereof. 282,644, renewed Apr. 28, 1951. O. G. Oct. 16. Class 23.
Even-Trade Dist. Co.: *See*—
Goodale & Co.
Excelsior Varsity Underwear Corporation, Baltimore, Md., to Varsity Pajamas, Incorporated, New York, N. Y. Men's pajamas. 286,551, renewed Sept. 1, 1951. O. G. Oct. 16. Class 39.
Fab-Weld Corporation, Philadelphia, Pa. Collapsible pallet boxes. 549,473, Oct. 16; Serial No. 580,833, published July 24, 1951. Class 2.
Fairchild Recording Equipment Corporation, Whitestone, N. Y. Synchronous magnetic tape sound recorders. 549,697–8, Oct. 16; Serial Nos. 609,637–8, published July 17, 1951. Class 21.
Farm Crest Bakeries, Inc., Detroit, Mich. Cakes and cookies. 549,511, Oct. 16; Serial No. 587,719, published July 24, 1951. Class 46.
Fewel Bros. Packing Company, Fresno, Calif. Raisins. 549,543, Oct. 16; Serial No. 594,314, published June 5, 1951. Class 46.
Fidalgo Island Packing Company, Anacortes, to Fidalgo Island Packing Company, Seattle, Wash. Canned salmon. 290,172, renewed Dec. 22, 1951. O. G. Oct. 16. Class 46.
Filtros Incorporated, Rochester, to Filtros Incorporated, East Rochester, N. Y. White, rigid, uniformly porous, acid-proof mineral substance. 285,171, renewed July 14, 1951. O. G. Oct. 16. Class 1.
Fischer, Albert C.: *See*—
Servicised Products Corporation.
Fischer, Cecile G., executrix: *See*—
Servicised Products Corporation.
Fischer Industries, Inc., Cincinnati, Ohio. Synthetic detergent. 549,361, Oct. 16; Serial No. 527,424, published Jan. 27, 1948. Class 52.
Fischer, Wallace C., executor: *See*—
Servicised Products Corporation.
Fisher Brothers Company, The, Cleveland, Ohio. Fresh eggs. 549,380, Oct. 16; Serial No. 545,976, published June 5, 1951. Class 46.
Flan Company, Cleveland, Ohio. Preparation for making custards. 549,416, Oct. 16; Serial No. 565,152, published Mar. 14, 1950. Class 46.
Flodar Corporation, Cleveland, Ohio. Hydraulic tube fittings. 549,393–4, Oct. 16; Serial Nos. 553,688–9, published July 24, 1951. Class 13.

Floridagold Citrus Corporation: *See*—
Triple E Development Company.
Food Machinery and Chemical Corporation, San Jose, Calif. Agricultural and horticultural dusting machines. 549,464, Oct. 16; Serial No. 579,087, published June 19, 1951. Class 23.
Foods, Incorporated, New London, Wis. Pickles and pickle relish. 549,625, Oct. 16; Serial No. 602,255, published July 10, 1951. Class 46.
Forister, Janet: *See*—
Behr, Carl E.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,579, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,587–9, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,591, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,658, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,787–9, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,793–4, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 284,796, renewed July 7, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 285,157, renewed July 14, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 285,818, renewed Aug. 11, 1951. O. G. Oct. 16. Class 42.
Forstmann & Huffmann Company, to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 285,827, renewed Aug. 11, 1951. O. G. Oct. 16. Class 42.
Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company.
Frankel Carbon & Ribbon Company, also doing business as General Stencil Manufacturing Company, Denver, Colo. Duplicating stencils. 549,709, Oct. 16; Serial No. 569,954. Class 37.
Frees-Maid Products, Davenport, Iowa. Frozen dairy confection. 549,428, Oct. 16; Serial No. 568,788, published June 26, 1951. Class 46.
Fuller Brush Company, The, Hartford, Conn. Synthetic brush fibers. 549,630, Oct. 16; Serial No. 602,552, published July 17, 1951. Class 1.
G. Roggie Lab: *See*—
Roggenbuck, George J.
Galenol Company, Atlanta, Ga. Preparation used as a skin bleach. 549,398, Oct. 16; Serial No. 555,170, published July 3, 1951. Class 51.
Gallun, A. F., & Sons, to A. F. Gallun & Sons Corporation, Milwaukee, Wis. Vegetable-tanned leather. 83,571, renewed Sept. 26, 1951. O. G. Oct. 16. Class 1.
Gallun, A. F., & Sons, to A. F. Gallun & Sons Corporation, Milwaukee, Wis. Chrome-tanned leather. 83,572, renewed Sept. 26, 1951. O. G. Oct. 16. Class 1.
Gallun, A. F., & Sons, to A. F. Gallun & Sons Corporation, Milwaukee, Wis. Vegetable-tanned leather. 83,573, renewed Sept. 26, 1951. O. G. Oct. 16. Class 1.
Gallun, A. F., & Sons Corporation: *See*—
Gallun, A. F., & Sons.
Gallun, A. F., & Sons Corporation, to A. G. Gallun & Sons Corporation, Milwaukee, Wis. Leather. 281,588, renewed Mar. 24, 1951. O. G. Oct. 16. Class 1.
Gatchet, F. L., Inc., Gardiner, Wash. Fertilizer spraying apparatus. 549,427, Oct. 16; Serial No. 568,366, published July 17, 1951. Class 23.
Gaugler, Edward A., Chevy Chase, Md. Ferro-magnetic alloy material. 549,641, Oct. 16; Serial No. 603,227, published June 26, 1951. Class 21.
General Mills, Inc., Wilmington, Del., and Minneapolis, Minn. Poultry mash. 549,450, Oct. 16; Serial No. 575,755, published July 24, 1951. Class 46.
General Norit Company: *See*—
N. V. Algemeene Norit Maatschappij.
General Stencil Manufacturing Company: *See*—
Frankel Carbon & Ribbon Company.
General Transformer Corporation, assignor to Nathan Goldman, Chicago, Ill. Rectifiers. 549,542, Oct. 16; Serial No. 594,268, published July 3, 1951. Class 21.
Gentry, Incorporated, Los Angeles, Calif. Paprika. 549,608, Oct. 16; Serial No. 600,660, published June 26, 1951. Class 46.
Georgia Pecan Company, Cairo, Ga. Unshelled pecans. 549,490, Oct. 16; Serial No. 584,618, published July 10, 1951. Class 46.
Gilbert Paper Company, Menasha, Wis. Writing paper. 289,819, renewed Dec. 8, 1951. O. G. Oct. 16. Class 37.
Golco Sanitary System, Inc., Philadelphia, Pa. Toilet paper. 342,769, Jan. 26, 1937. Republished Oct. 16. Class 37.
Goldine, Mathew: *See*—
United Laboratories Inc.
Goldman, Nathan, assignee: *See*—
General Transformer Corporation.
Goldring Inc., New York, N. Y. Ladies' coats and suits. 549,422, Oct. 16; Serial No. 567,260, published June 5, 1951. Class 39.
Good, Don, Inc., South Pasadena, Calif. Feed-in-line for television receiving sets. 549,731, Oct. 16; Serial No. 604,079. Class 21.
Good Luck Food Co., Inc., Rochester, N. Y. Preparations for making pie fillings and puddings. 549,468, Oct. 16; Serial No. 579,537, published July 24, 1951. Class 46.
Goodale & Co., Centralia, Ill., and distributing certain of its products under the name Even-Trade Dist. Co. Canned dog food, canned tomato puree, tomato catsup, etc. 549,402, Oct. 16; Serial No. 557,127, published July 17, 1951. Class 46.
Gordon Baking Company, Detroit, Mich. Coffee cake. 549,457, Oct. 16; Serial No. 576,581, published July 3, 1951. Class 46.
Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted cut and boneless cod fish. 549,502, Oct. 16; Serial No. 585,793, published June 19, 1951. Class 46.
Goudard, M., and Mennesson, Paris, France, by Société Solex, Neuilly-sur-Seine (Seine), France. Carbureters. 85,655, Mar. 5, 1912. Republished Oct. 16. Class 23.
Gravure Technical Association, Inc., New York, N. Y. Magazines. 549,722, Oct. 16; Serial No. 594,456. Class 38.
Greenberg, Jack, Inc., doing business as Delaware Market Dairy Products, Philadelphia, Pa. Cheese. 549,612, Oct. 16; Serial No. 600,886, published June 5, 1951. Class 46.
Hainke, Paul, Mfg. Co., The: *See*—
Hainke, Paul W.
Hainke, Paul, Mower Corporation, Inc., The, assignee: *See*—
Hainke, Paul W.
Hainke, Paul W., doing business as The Paul Hainke Mfg. Co., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans. Power mowing machines. 549,644, Oct. 16; Serial No. 603,526, published June 19, 1951. Class 23.
Hallock-Denton Co., Newark, N. J. Non-alcoholic food flavoring extracts. 549,491, Oct. 16; Serial No. 584,621, published July 17, 1951. Class 46.
Hamilton Ross Industries, Inc., Chicago, Ill. Automatic electric toaster. 549,478, Oct. 16; Serial No. 581,556, published Oct. 24, 1950. Class 21.
Hammond Research Corporation, Gloucester, Mass. Television receivers. 549,577–8, Oct. 16; Serial Nos. 598,252–3, published June 26, 1951. Class 21.
Harding Manufacturing Co. Inc., Detroit, Mich. Tack rags. 549,409, Oct. 16; Serial No. 562,469, published July 17, 1951. Class 52.
Harding, Milo, Company, Los Angeles, Calif. Cleaning fluid, and cleansing cream. 549,410, Oct. 16; Serial No. 562,654, published July 17, 1951. Class 52.
Hartwig, Incorporated, Milwaukee, Wis. Electrically illuminated nursery pictures. 549,496, Oct. 16; Serial No. 585,327, published July 3, 1951. Class 21.
Hat Corporation of America: *See*—
Crofut & Knapp Company, The.
Hedwin Corporation, Baltimore, Md. Inflatable mattresses and cushions. 441,668, Dec. 21, 1948. Republished Oct. 16. Class 32.
Hego Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. 549,603, Oct. 16; Serial No. 600,539, published July 17, 1951. Class 42.
Heller, B., & Company, Chicago, Ill. Cleaning and polishing preparations. 549,425, Oct. 16; Serial No. 567,782, published July 17, 1951. Class 4.
Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Nail polish and perfume. 398,953, Dec. 8, 1942. Canceled Aug. 30, 1951. O. G. Oct. 16. Class 51.
Hepworth Machine Company, Inc., New York and Long Island City, N. Y. Centrifugal machines. 549,462, Oct. 16; Serial No. 578,206, published July 17, 1951. Class 23.
Hereford Farms: *See*—
Bush, Richard A.
Herz, Alexander, Co., Inc., New York, N. Y. Merchandise envelopes. 549,412, Oct. 16; Serial No. 562,898, published July 24, 1951. Class 2.
Hidalgo Distributing Company, McAllen, Tex. Canned pineapple and canned pineapple juice. 549,631, Oct. 16; Serial No. 602,556, published July 3, 1951. Class 46.
Hirsch, S. H.: *See*—
Henry, Sidney
Hoffmann-La Roche Inc., Nutley, N. J. Agents used in allergy, analgesics, analeptics, etc. 549,458, Oct. 16; Serial No. 576,701, published July 3, 1951. Class 18.
Hollister Canning Company, Inc., Hollister, Calif. Canned fruits and canned vegetables. 505,342, Jan. 4, 1949. Corrected. O. G. Oct. 16. Class 46.
Hollister Canning Company, Inc., Hollister, Calif. Canned fruits and canned vegetables. 521,719, Mar. 7, 1950. Corrected. O. G. Oct. 16. Class 46.
Hollywood Brands, Inc., doing business under the name Hollywood Candy Company, Centralia, Ill. Candy. 549,545, Oct. 16; Serial No. 594,543, published May 1, 1951. Class 46.
Hollywood Candy Company: *See*—
Hollywood Brands, Inc.

Horn and Hardart Baking Company, which among its activities conducts retail shops which bear the name "Horn & Hardart Retail Shops," Philadelphia, Pa. Sandwiches; cooked vegetables; macaroni; etc. 549,429, Oct. 16; Serial No. 568,949, published June 12, 1951. Class 46.

"Horn & Hardart Retail Shops": *See*—
Horn and Hardart Baking Company.

Hossfeld, Albert: *See*—
Hossfeld Manufacturing Co.

Hossfeld Manufacturing Co., Winona, Minn., assignee of Merchants National Bank of Winona, administrator of the estate of Albert Hossfeld, deceased. Iron bender tool. 549,366, Oct. 16; Serial No. 535,582, published July 17, 1951. Class 23.

House of Worsted-Tex, Inc.: *See*—
Cohen Goldman & Co. Inc.

Hubbard and Company, Pittsburgh, Pa. Hand tools and similar devices. 549,477, Oct. 16; Serial No. 581,479, published July 3, 1951. Class 23.

Hudnut, Richard, New York, N. Y. Perfume. 435,716, Jan. 6, 1948. Canceled Aug. 17, 1951. O. G. Oct. 16. Class 51.

Hungerford Plastics Corporation, New Providence, N. J. Electrical table and wall lamps. 549,516, Oct. 16; Serial No. 588,091, published July 17, 1951. Class 21.

Hunt Foods, Inc., Fullerton and South San Francisco, Calif. Macaroni and spaghetti. 549,678, Oct. 16; Serial No. 606,190, published July 10, 1951. Class 46.

Hunter, H. B., doing business as The Chocolishus Company, Norfolk, Va. Liquid food product. 549,444, Oct. 16; Serial No. 574,658, published May 29, 1951. Class 46.

Hy-Grade Sportswear Co., Inc., New York, N. Y. Men's sport coats, sport suits, casual coats, etc. 549,710, Oct. 16; Serial No. 570,303. Class 39.

Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation. Dolls. 549,679, Oct. 16; Serial No. 606,301, published July 24, 1951. Class 22.

Ideal Toy Corporation: *See*—
Ideal Novelty & Toy Co.

Imperial Chemical & Plastics Corporation, Cranston, R. I. Embossed plastic film. 549,576, Oct. 16; Serial No. 598,188, published July 17, 1951. Class 1.

Imperial Type Metal Company, Philadelphia, Pa. Compound used as a flux for removing dross from type metal. 290,006, renewed Dec. 22, 1951. O. G. Oct. 16. Class 50.

Industrial Laboratories Publishing Co., Chicago, Ill. Publication. 549,725, Oct. 16; Serial No. 595,724. Class 39.

Industrie A. G. Allegro, Emmenbrucke, Lucerne, Switzerland. Electric and nonelectric razors. 549,618, Oct. 16; Serial No. 601,733, published July 17, 1951. Class 23.

International Paper Company, New York, N. Y. Paper bags. 549,648–9, Oct. 16; Serial Nos. 604,000–1, published July 24, 1951. Class 2.

International Paper Company, New York, N. Y. Paper bags. 549,650–1, Oct. 16; Serial Nos. 604,004–5, published July 24, 1951. Class 2.

International Paper Company, New York, N. Y. Paper bags. 549,652–3, Oct. 16; Seral Nos. 604,006–7, published July 24, 1951. Class 2.

International Standard Electric Corporation, New York, N. Y. Radio equipment. 549,431, Oct. 16; Serial No. 569,701, published June 26, 1951. Class 21.

Iron Fireman Manufacturing Company: *See*—
Teeple, Lawrence R.

Irving Canning Co.: *See*—
Usen Canning Co.

Jacobs, M. H., Inc., assignee: *See*—
Continental Merchandise Corporation.

Jaffe Candy Co., Los Angeles, Calif. Candy. 411,718, Jan. 30, 1945. Canceled Aug. 17, 1951. O. G. Oct. 16. Class 46.

Jamesons-Boyce Company, Binghamton, N. Y. Wheat flour, pastry flour, pancake flour, etc. 285,127, renewed July 14, 1951. O. G. Oct. 16. Class 46.

Jeld, Ltd.: *See*—
McNabb, William M.

Jergens, Andrew, Company, The: *See*—
Williams, J. B., Company, The.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Perfumes. 288,494, renewed Oct. 27, 1951. O. G. Oct. 16. Class 51.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Face powder. 549,466, Oct. 16; Serial No. 579,328, published June 26, 1951. Class 51.

Jersey Ice Cream Products Corporation, The, Baltimore, Md., to Beatrice Foods Co., Chicago, Ill. Ice cream. 284,323, renewed June 23, 1951. O. G. Oct. 16. Class 46.

Johnston, Robert A., Company, Milwaukee, Wis. Biscuits and pastry. 98,397, July 14, 1914. Republished Oct. 16. Class 46.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metallic tubing. 549,665, Oct. 16; Serial No. 605,308, published July 24, 1951. Class 13.

Kats, Max, Bag Company, Inc., Indianapolis, Ind. Burlap bags, cotton bags, and paper bags. 549,358, Oct. 16; Serial No. 500,544, published July 24, 1951. Class 2.

Kelling Nut Co., The, Chicago, Ill. Salted nuts and nut meats. 549,616, Oct. 16; Serial No. 601,441, published July 24, 1951. Class 46.

Kelling Nut Co., The, Chicago, Ill. Salted nuts. 549,635, Oct. 16; Serial No. 602,701, published July 10, 1951. Class 46.

Kimberly-Clark Corporation, Neenah, Wis. Paper and creped cellulose wadding. 549,660, Oct. 16; Serial No. 604,580, published July 17, 1951. Class 1.

Kinex Company, Incorporated, The, Needham Heights, Mass. Apparatus for applying caps or covers to containers. 549,668, Oct. 16; Serial No. 605,519, published June 19, 1951. Class 23.

Kings County Packing Company, Ltd., San Francisco, Calif. Canned fruits and canned vegetables. 549,628, Oct. 16; Serial No. 602,408, published July 10, 1951. Class 46.

Kings County Packing Company, Ltd., San Francisco, Calif. Canned kadota figs. 549,629, Oct. 16; Serial No. 602,409, published July 3, 1951. Class 46.

Kisco Company, Inc., St. Louis, Mo. Deflector type air circulators employing electrically driven fans. 549,538, Oct. 16; Serial No. 593,277, published July 3, 1951. Class 21.

Knickerbocker Rubber Company, Chicago, Ill. Aerators. 549,562, Oct. 16; Serial No. 596,099, published July 24, 1951. Class 13.

Kom-Fut Arch Support Co., Inc., New York, N. Y. Arch supports. 288,352, renewed Oct. 27, 1951. O. G. Oct. 16. Class 44.

Kosher Desserts, Inc., New York, N. Y. Gelatins and gelatin desserts. 394,054. Mar. 17, 1942. Republished Oct. 16, 1951. Classes 6 and 46.

Kroger Co., The: *See*—
Kroger Grocery & Baking Co., The.

Kroger Grocery & Baking Co., The, doing business as Wesco Foods Co., to The Kroger Co., Cincinnati, Ohio. Domestic ammonia and liquid bluing. 290,105, renewed Dec. 22, 1951. O. G. Oct. 16. Class 6.

Kumbak Company: *See*—
Boos, Ralph H.

Lally, R., Co., Evanston, Ill. Apron duck and loop-edged tape and feed ribbons, to fit flatwork ironers, etc. 549,449, Oct. 16; Serial No. 575,736, published July 24, 1951. Class 24.

Lancôme. *See*—
Lancome, S. A.

Lancome, S. A., doing business as Lancôme, Paris, France. Toilet water, eaux de cologne and skin lotions. 549,451, Oct. 16; Serial No. 575,913, published July 3, 1951. Class 51.

Lancome, S. A., Paris, France. Face creams. 549,459, Oct. 16; Serial No. 577,272, published June 26, 1951. Class 51.

Lanman & Kemp to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Vegetable pastils. 84,108, re-renewed Nov. 7, 1951. O. G. Oct. 16. Class 18.

Lanman & Kemp to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y. Cathartic pills. 84,109, re-renewed Nov. 7, 1951. O. G. Oct. 16. Class 18.

Lanman & Kemp-Barclay & Co., Incorporated: *See*—
Barclay & Barclay.
Lanman & Kemp.

Laskey, Peter P., Philadelphia, Pa. Steel point stilts. 549,536, Oct. 16; Serial No. 592,821, published July 31, 1951. Class 13.

Laurel Publications, Plainfield, N. J. Periodical publication. 549,729, Oct. 16; Serial No. 601,219. Class 38.

Leeds, Herbert R., & Co., Inc., New York, N. Y. Worsted fabrics in the piece. 549,569, Oct. 16; Serial No. 597,279, published July 17, 1951. Class 42.

Lehmann, J. M., Company, Inc., Lyndhurst, N. J. Machines for the production of paint and ink, etc. 549,419, Oct. 16; Serial No. 565,436, published July 3, 1951. Class 23.

Leidgen Specialty Company, Oconomowoc, Wis. Window control springs. 549,695, Oct. 16; Serial No. 609,302, published July 24, 1951. Class 13.

Levitas, Harry, Inc., New York, N. Y. Separable slide fasteners. 549,671, Oct. 16; Serial No. 605,662, published July 10, 1951. Class 13.

Levow, David, New York, N. Y. Leader pipe straps. 549,499, Oct. 16; Serial No. 585,536, published July 24, 1951. Class 13.

Lewis, Fred H., doing business as Fred H. Lewis Company, Wilmette, Ill. Paper towel holders, knife holders, match box holders, etc. 549,417, Oct. 16; Serial No. 565,191, published July 24, 1951. Class 13.

Lewis, Fred H., Company: *See*—
Lewis, Fred H.

Libby, McNeill & Libby, Chicago, Ill. Canned fruits and vegetables, canned salmon, etc. 549,396, Oct. 16; Serial No. 554,365, published May 29, 1951. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Liquid liver extract. 290,233, renewed Dec. 22, 1951. O. G. Oct. 16. Class 18.

Little Tavern Shops, Inc., Washington, D. C., and Baltimore, Md. Sandwiches. 549,509, Oct. 16; Serial No. 586,924, published May 29, 1951. Class 46.

Lone Ranger, Inc., The: *See*—
American Chewing Products Corp.

Lowe, Joe, Corporation, New York, N. Y. Wooden handle sticks. 549,693, Oct. 16; Serial No. 608,279, published July 31, 1951. Class 13.

Lunkenheimer Company, The, Cincinnati, Ohio. Valves. 549,673, Oct. 16; Serial No. 605,834, published July 17, 1951. Class 13.

Magic-View Co., Denver, Colo. Collapsible upright support for supporting mirrors, lamps, etc. 549,400, Oct. 16; Serial No. 556,210, published July 17, 1951. Class 13.

Majestic Flour Mill, Memphis, Tenn. Wheat flour. 549,423, Oct. 16; Serial No. 567,320, published Feb. 21, 1950. Class 46.

Markley Corporation, assignor to Speedmaster Corporation, Plainville, Conn. Electrically operated vehicle speed governors. 549,560, Oct. 16; Serial No. 595,810 published June 26, 1951. Class 21.

Mars, Incorporated, Chicago, Ill. Candy. 549,436, Oct. 16; Serial No. 571,734, published Mar. 14, 1950. Class 46.

Marshall Field & Company, by McCoy Jones & Company, Inc., Chicago, Ill. Safety-pins. 83,997, Oct. 31, 1911. Republished Oct. 16. Class 40.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 549,561, Oct. 16; Serial No. 595,903, published July 3, 1951. Class 18.

Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. 549,565, Oct. 16; Serial No. 596,595, published July 3, 1951. Class 18.

McBee Company, The, Athens, Ohio. Key and gang punches, manually or power operated numbering, slotting, punching machines, etc. 549,374, Oct. 16; Serial No. 543,632, published June 19, 1951. Class 23.

McCormick & Company, Inc., Baltimore, Md. Food colors, non-alcoholic flavoring emulsions, etc. 549,551, Oct. 16; Serial No. 595,385, published July 31, 1951. Class 46.

McCoy, Jones & Company, Inc. *See*—
Marshall Field & Company.

McGraw Electric Company, Chicago, Ill. Electrical protective equipment. 549,533, Oct. 16; Serial No. 591,994, published July 10, 1951. Class 21.

McIlhenny Company, New Iberia, La. Pepper sauce. 285,491, renewed July 28, 1951. O. G. Oct. 16. Class 46.

McNabb, William M., trading as Jeld, Ltd., San Francisco, Calif. Pectin preparation. 549,716, Oct. 16; Serial No. 586,417. Class 46.

Merchants National Bank of Winona: *See*—
Hossfeld Manufacturing Co.

Mergenthaler Linotype Company, Brooklyn, N. Y. Composition of matter in the nature of a paint. 289,690, renewed Dec. 1, 1951. O. G. Oct. 16. Class 16.

Meyerhans Produkte A. G. (Meyerhans Products Ltd.), Weinfelden, Switzerland, now by change of name Meypro A. G. (Meypro S. A.) (Meypro Ltd). Vegetable products used as emulsifying medium. 549,455, Oct. 16; Serial No. 576,344, published July 17, 1951. Class 6.

Meypro A. G. (Meypro S. A.) (Meypro Ltd.): *See*—
Meyerhans Produkte A. G. (Meyerhans Products Ltd.).

Miami Sea Food Company, Miami, Fla. Frozen fresh fish, shrimp, oysters, etc. 549,531, Oct. 16; Serial No. 591,633, published Nov. 28, 1950. Class 46.

Middlebrooke Lancaster, Inc., New York, N. Y. Toilet soap. 444,582, Oct. 16; Serial No. 519,284, published July 17, 1951. Class 52.

Midwest Biscuit Company, Inc. Burlington, Iowa. Cookies and crackers. 549,615, Oct. 16; Serial No. 601,270, published May 15, 1951. Class 46.

Milgram Food Stores, Inc., Kansas City, Mo. Ice Cream, frozen custard, and ices. 549,548, Oct. 16; Serial No. 594,913, published July 24, 1951. Class 46.

Miller, Clyde, doing business as Western Meat Distributors, and also doing business as Western Meat Dist. Co., Los Angeles, Calif. Chopped frozen horse meat. 549,505, Oct. 16; Serial No. 586,492, published July 10, 1951. Class 46.

Miller, W. W., San Diego, Calif. Fresh vegetables. 549,622, Oct. 16; Serial No. 602,159, published June 5, 1951. Class 46.

Millers Forge Mfg. Corp., New York, N. Y. Nail files, tweezers, cuticle scissors, etc. 549,586, Oct. 16; Serial No. 599,109, published July 17, 1951. Class 44.

Millot, Inc., assignee: *See*—
Mortimer, Lee, Inc.

Mississippi Valley Canning Co., The, Osceola, Ark. Canned vegetables. 549,595–6, Oct. 16; Serial Nos. 600,182–3, published May 1, 1951. Class 46.

Mr. John, Inc., New York, N. Y. Women's vanity cases. 549,467, Oct. 16; Serial No. 579,498, published July 24, 1951. Class 2.

Mitchel Beck Company, Inc., New York, N. Y. Canned crabmeat and tuna fish. 549,597–8, Oct. 16; Serial Nos. 600,303–04, published June 5, 1951. Class 46.

Monad Paint and Varnish Company, Philadelphia, Pa. Colors in oil for paints, etc. 289,486, renewed Dec. 1, 1951. O. G. Oct. 16. Class 16.

Monarch Chemical Company, New York, N. Y. Baking powder. 549,387, Oct. 16; Serial No. 550,057, published Jan. 2, 1951. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins and plastics. 549,397, Oct. 16; Serial No. 554,913, published July 3, 1951. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Wood flour, soya bean flour and silica sols. 549,401, Oct. 16; Serial No. 556,903, published July 17, 1951. Class 1.

Morrell, John, & Company, Ottumwa, Iowa. Lard. 288,293, renewed Oct. 20, 1951. O. G. Oct. 16. Class 46.

Morse Sewing Machine and Supply Corp., New York, N. Y. Sewing machines. 549,684, Oct. 16; Serial No. 607,259, published July 17, 1951. Class 23.

Mortimer, Lee, Inc., assignor, by mesne assignments, to Millot, Inc., New York, N. Y. Perfumes. 549,385, Oct. 16; Serial No. 549,565, published June 26, 1951. Class 51.

Mulrhead & Co. Limited, Beckenham, Kent, England. Electro-magnetic apparatus. 549,617, Oct. 16; Serial No. 601,684, published June 26, 1951. Class 21.

Mullins Manufacturing Corporation, Salem and Warren, Ohio. Automatic electric dishwashers and combined sinks and electric dishwashers. 549,640, Oct. 16; Serial No. 603,123, published July 3, 1951. Class 21.

Multicore Solders Limited, London and County of London, England. Soldering metals. 549,580, Oct. 16; Serial No. 598,539, published July 24, 1951. Class 14.

N. V. Algemeene Norit Maatschappij, doing business as General Norit Company, Limited, Amsterdam, Netherlands, and Jacksonville, Fla. Active carbon, usually treated charred organic material. 435,640, Jan. 6, 1948. Corrected. O. G. Oct. 16. Class 6.

National Automatic Tool Company, Inc., Richmond, Ind. Automatic and semi-automatic metal working machine tools. 549,672, Oct. 16; Serial No. 605,805, published July 3, 1951. Class 23.

National Paper Products Sales Company: *See*—
Crown Zellerbach Corporation.

National Products Corporation, Boston and Waltham, Mass. Sheathed electrical connectors. 549,637, Oct. 16; Serial No. 602,967, published June 26, 1951. Class 21.

New England Grain Products Co., Portland, Maine. Scratch feed. 549,367, Oct. 16; Serial No. 537,345, published June 12, 1951. Class 46.

News-O-Mat, Ltd., Ottawa, Ontario, Canada. Newspaper vending machines. 549,606, Oct. 16; Serial No. 600,609, published July 3, 1951. Class 23.

Newton Grocery Company, Inc., also doing business as Dothan Coffee Mills, Dothan, Ala. Canned vegetables, all-purpose wheat flour, rice, coffee, etc. 549,443, Oct. 16; Serial No. 574,455, published June 26, 1951. Class 46.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 549,719, Oct. 16; Serial No. 588,880. Class 22.

Norben, Inc., Indianapolis, Ind. Light metal ware. 549,506, Oct. 16; Serial No. 586,542, published July 24, 1951. Class 13.

Northam Warren Corporation, Stamford, Conn. Manicure sets. 549,599, Oct. 16; Serial No. 600,363, published July 17, 1951. Class 44.

Northrup, King & Co., Minneapolis, Minn. Seeds for producing hybrid ears of corn. 549,721, Oct. 16; Serial No. 593,495. Class 1.

Northwood Fur Farms, Cary, Ill. Mink pelts and live minks. 549,579, Oct. 16; Serial No. 598,383, published July 17, 1951. Class 1.

O. J. Manufacturing Co.: *See*—
Orrell, James A.

Officine G. G. Bossetti Societa per Azioni, Novara, Italy. Machine tools. 549,484, Oct. 16; Serial No. 582,577, published July 3, 1951. Class 23.

Olympia Buromaschinenwerke A. G.: *See*—
Europa Schreibmaschinen A. G.

Orrell, James A., doing business as O. J. Manufacturing Co. and Orrell's Food Products, Oakland, Calif. Mayonnaise dressing, salad dressing, French dressing, etc. 549,438, Oct. 16; Serial No. 572,681, published May 22, 1951. Class 46.

Orrell's Food Products: *See*—
Orrell, James A.

Otis, McAllister & Co., San Francisco, Calif. Fruit nectar. 549,573, Oct. 16; Serial No. 597,898, published June 5, 1951. Class 46.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Internal-combustion-engine powered outboard motors and parts. 549,382, Oct. 16; Serial No. 546,423, published July 17, 1951. Class 23.

Oval Manufacturing Company, Inc., New York, N. Y. Imitations of precious stones. 544,862, July 10, 1951. Corrected. O. G. Oct. 16. Class 28.

Pacific Raisin Company, Inc., Fowler, Calif. Raisins, dried sante currants and dried black grapes. 549,372, Oct. 16; Serial No. 542,873, published June 5, 1951. Class 46.

Palestine House, Inc., New York, N. Y. Candies; preserves, condiments, etc. 374,376, Jan. 9, 1940. Republished Oct. 16. Class 46.

Palmer, George J., Long Beach, Calif. Electric non-labeled and loose labeled can detecting and ejecting apparatus. 549,718, Oct. 16; Serial No. 587,395. Class 21.

Parke, Davis & Company, Detroit, Mich. Pharmaceutical preparations. 549,403, Oct. 16; Serial No. 557,206, published July 3, 1951. Class 18.

Parks & Brock, Lompoc, Calif. Fresh vegetables. 549,669, Oct. 16; Serial No. 605,605, published July 24, 1951. Class 46.

Patek and Co., San Francisco, Calif. Spot remover. 549,519, Oct. 16; Serial No. 588,320, published July 17, 1951. Class 52.

Paton, Jean, Inc., New York, N. Y. Perfumes. 290,189, renewed Dec. 22, 1951. O. G. Oct. 16. Class 51.

Patten, Lee, Seed Company, Jersey City, N. J. Lawn seed mixture. 549,584–5, Oct. 16; Serial Nos. 599,005–006, published July 17, 1951. Class 1.

Peerless Confection Company, Chicago, Ill. Candy. 549,370–1, Oct. 16; Serial Nos. 542,159–60, published June 5, 1951. Class 46.

Peerless Steel Company, New York and Maspeth, N. Y. Chains, chain hooks, and chain load binders. 549,675, Oct. 16; Serial No. 606,045, published July 17, 1951. Class 13.

Peninsula Products Corporation, Detroit, Mich. Lawn mowers. 549,481, Oct. 16; Serial No. 582,319, published July 17, 1951. Class 23.

Penn Brass & Copper Company, Erie, Pa. Automotive and general service copper tubing, refrigeration service copper tubing. 549,504, Oct. 16; Serial No. 586,223, published July 31, 1951. Class 13.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Detergent. 549,448, Oct. 16; Serial No. 575,291, published July 17, 1951. Class 52.

Penton Laboratories, Inc., Jenkintown, Pa. Simulated sausage. 549,530, Oct. 16; Serial No. 591,379, published June 19, 1951. Class 46.

Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Frozen shrimp. 549,539, Oct. 16; Serial No. 593,435, published June 12, 1951. Class 46.

Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico. Frozen shrimp. 549,540, Oct. 16; Serial No. 593,436, published June 5, 1951. Class 46.

Petroleum Heat and Power Company, Stamford, Conn. Anti-siphon valves, three-way vacuum valves, etc. 549,609, Oct. 16; Serial No. 600,694, published July 24, 1951. Class 13.

Phillips Manufacturing Co., Chicago, Ill. Degreasing compounds. 549,445, Oct. 16; Serial No. 574,859, published July 17, 1951. Class 52.

Phoenix Hosiery Company: *See*—
Phoenix Knitting Works.

Phoenix Knitting Works, to Phoenix Hosiery Company, Milwaukee, Wis. Hose. 34,521, re-renewed Dec. 19 1951. O. G. Oct. 16. Class 39.

Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn. Detergent preparation. 549,564, Oct. 16; Serial No. 596,188, published July 17, 1951. Class 52.

Piatti, Sabzio Pio Vincenzo, Milan, Italy. Internal-combustion engines, auxiliary engines, etc. 549,520, Oct. 16; Serial No. 588,323, published July 3, 1951. Class 23.

Plas-Tex Corporation, The, Los Angeles, Calif. Articles all made of plastic; tumblers, sugar bowls, cream pitchers, etc. 549,440, Oct. 16; Serial No. 573,457, published July 24, 1951. Class 2.

Plymouth Rock Provision Co., Inc., New York, N. Y. Cured ham, red pepper and paprika coated. 549,642, Oct. 16; Serial No. 603,251, published June 12, 1951. Class 46.

Poly-Aid Company: *See*—
Senmer Company.

Portable Electric Tools, Inc., Chicago, Ill. Electrically operated apparatus and tools. 549,623, Oct. 16; Serial No. 602,214, published July 10, 1951. Class 21.

Powers Regulator Company, The, Chicago, Ill. Fluid mixing valves; air mixing valves; pressure regulators and reducing valves; etc. 549,408, Oct. 16; Serial No. 562,084, published July 10, 1951. Class 13.

Press Wireless, Inc., New York, N. Y. Radio receiving apparatus. 549,493, Oct. 16; Serial No. 584,922, published July 17, 1951. Class 21.

Price, L. B., Mercantile Co., The, St. Louis, Mo. Electric irons. 549,666, Oct. 16; Serial No. 605,438, published June 26, 1951. Class 21.

Procter & Gamble Company, The, Cincinnati, Ohio. Salad oil. 549,375, Oct. 16; Serial No. 543,986, published July 10, 1951. Class 46.

Pupilli, Charles, Blanford, Ind. Farm fencing and gates. 549,557, Oct. 16; Serial No. 595,736, published July 10, 1951. Class 13.

Pure Oil Company, The, Chicago, Ill. Hydraulic torque oils. 549,369, Oct. 16; Serial No. 541,025, published July 3, 1951. Class 15.

Puritan Company, Incorporated, Rochester, N. Y. Hand cleaning compound. 549,525, Oct. 16; Serial No. 590,779, published July 17, 1951. Class 52.

Pyramid Rubber Company, The, Ravenna, Ohio. Nursers and components thereof. 549,434, Oct. 16; Serial No. 570,319, published July 3, 1951. Class 44.

Q-Tips, Inc., New York and Long Island City, N. Y. Certain toilet accessories for infants—namely, cotton-tipped applicators. 549,581, Oct. 16; Serial No. 598,547, published July 3, 1951. Class 44.

Quaker Oats Company, The: *See*—
Chappel Bros., Inc.

Quaker Oats Company, The, Chicago, Ill. Wheat flour. 549,415, Oct. 16; Serial No. 564,652, published June 12, 1951. Class 46.

Quaker Oats Company, The, Chicago, Ill. Puffed wheat and puffed rice. 549,523–4, Oct. 16; Serial Nos. 590,388–9, published June 5, 1951. Class 46.

Radio Materials Corporation, Chicago, Ill. Condensers. 549,699, Oct. 16; Serial No. 609,665, published July 17, 1951. Class 21.

Randall Fuel Company Incorporated, Atlanta, Ga. Coal. 549,632, Oct. 16; Serial No. 602,629, published July 17, 1951. Class 1.

Raytheon Manufacturing Company, Newton, Mass. Electrically operated communication apparatus. 549,587, Oct. 16; Serial No. 599,191, published July 3, 1951. Class 21.

Read, H., Limited, Higher Broughton, Salford, Lancashire, England. Ready to eat food product. 549,535, Oct. 16; Serial No. 592,782, published May 1, 1951. Class 46.

Ready Foods Canning Corp., Chicago, Ill. Canned chopped ham, corned beef hash, Vienna sausage, etc. 549,517, Oct. 16; Serial No. 588,231, published May 29, 1951. Class 46.

Ready-to-Bake Foods Inc., Los Angeles, Calif. Prepared and packaged biscuit dough. 549,593, Oct. 16; Serial No. 599,589, published June 19, 1951. Class 46.

Rectalist, Inc., Philadelphia, Pa. Anoscopes and rectoscopes. 549,655, Oct. 16; Serial No. 604,127, published July 3, 1951. Class 44.

Reese of California, Inc., Los Angeles, Calif. Canned and frozen fish, etc. 544,981, July 10, 1951. Canceled Sept. 11, 1951. O. G. Oct. 16. Class 46.

Refiners Lubricating Company: *See*—
Attapulgus Clay Company.

Remington Products Corporation, Elisabeth, N. J. Electrically-heated vaporizer. 549,532, Oct. 16; Serial No. 591,647, published July 3, 1951. Class 21.

Republic Steel Corporation: *See*—
United Steel Company, The.

Researchers Universal, Inc., Sonoma, Calif. Fishing rods. 549,700, Oct. 16; Serial No. 611,532, published July 24, 1951. Class 22.

Rhodes Ranch Egg Company, The, Denver, Colo. Eggs. 288,388, Oct. 27, 1931. Republished Oct. 16. Class 46.

Riccomagno, Guglielmo, Milan, Italy. Illuminating apparatus. 549,485, Oct. 16; Serial No. 583,120, published July 17, 1951. Class 21.

Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash. Gift packages of fresh apples or of fresh pears. 549,663, Oct. 16; Serial No. 604,931, published July 10, 1951. Class 46.

Ridey, Paul G., Cincinnati, Ohio. Infants' bottle holders. 549,461, Oct. 16; Serial No. 577,986, published July 3, 1951. Class 44.

Riker Manufacturing: *See*—
Riker Welding Works.

Riker Welding Works, doing business as Riker Manufacturing, Toledo, Ohio. Mufflers for internal combustion engines. 549,497, Oct. 16; Serial No. 585,396, published July 3, 1951. Class 23.

Rile-Coe Filter Process, Inc., Pinehurst, N. C. Paper and plastic bags and plastic bottles and jars. 549,418, Oct. 16; Serial No. 565,375, published July 24, 1951. Class 2.

Robnett, E. V. Jr., Austin, Tex. Governors for internal combustion engines. 549,563, Oct. 16; Serial No. 596,120, published July 17, 1951. Class 23.

Rochester Dairy Cooperative, Rochester, Minn. Chocolate flavored milk drink. 549,621, Oct. 16; Serial No. 602,124, published July 3, 1951. Class 46.

Roggenbuck, George J., doing business as G. Roggie Lab., Long Beach, Calif. Hair rinses and dyes. 549,384, Oct. 16; Serial No. 548,611, published July 3, 1951. Class 51.

Romalite Company, Culver City, Calif. Box sold empty to the trade and made of polystyrene for holding and dispensing waxed paper rolls, etc. 549,433, Oct. 16; Serial No. 570,231, published July 24, 1951. Class 13.

Rosemond, Leland E., New York, N. Y. Hearing aid. 549,610, Oct. 16; Serial No. 600,739, published July 3, 1951. Class 44.

Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Steam jet ejectors. 549,656, Oct. 16; Serial No. 604,389, published July 3, 1951. Class 23.

Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y. Steam jet ejectors. 549,657, Oct. 16; Serial No. 604,391, published July 3, 1951. Class 23.

Ross, Will, Inc., Milwaukee, Wis. Hypodermic syringes and needles. 549,513, Oct. 16; Serial No. 587,820, published June 26, 1951. Class 44.

Rosslyn Engineering Supplies Limited, Twickenham, England. Files (being tools). 549,613, Oct. 16; Serial No. 600,980, published July 17, 1951. Class 23.

Royal Feed & Milling Co., doing business as Royal Staf-O-Life Mills, Memphis, Tenn., and Meridian, Miss. Collapsible cardboard cartons. 549,492, Oct. 16; Serial No. 584,737, published July 24, 1951. Class 2.

Royal Staf-O-Life Mills: *See*—
Royal Feed & Milling Co.

Russell, Rae W., doing business as Blue Bird Mfg. Co., Long Island City, N. Y. Hand operated tire pumps. 533,158, Nov. 7, 1950. Canceled Aug. 14, 1951. O. G. Oct. 16. Class 23.

Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Canned applesauce. 549,424, Oct. 16; Serial No. 567,656, published July 25, 1950. Class 46.

Sandusky Foundry & Machine Co., Sandusky, Ohio. Metal rolls for paper-making machinery; parts of marine machinery, etc. 549,658, Oct. 16; Serial No. 604,450, published July 10, 1951. Class 23.

Schole Industries, Brooklyn, N. Y. Spark plug adapters. 549,633, Oct. 16; Serial No. 602,641, published July 17, 1951. Class 21.

Schrats Products, Detroit, Mich. Bath bubbling and perfuming compounds. 549,682, Oct. 16; Serial No. 606,494, published July 3, 1951. Class 51.

Sears, Roebuck and Co., Chicago, Ill. Closet accessories. 549,386, Oct. 16; Serial No. 549,581, published July 24, 1951. Class 2.

Seckbach, A. M., & Company, Los Angeles, Calif. Fresh vegetables. 444,580, Oct. 16; Serial No. 521,410, published Dec. 14, 1948. Class 46.

Senmer Company, doing business as Poly-Aid Company, Youngstown, Ohio. Antacid powder. 549,510, Oct. 16; Serial No. 587,694, published June 26, 1951. Class 18.

Sequoia Citrus Association, Lemon Cove, Calif. Fresh citrus fruits. 549,368, Oct. 16; Serial No. 537,743, published May 22, 1951. Class 46.

Servicised Products Corporation, Chicago, Ill., assignee of W. C. and C. G. Fischer executors of the estate of A. C. Fischer. Expansion joint sealing compounds, fillers and premolded expansion joints, etc. 549,442, Oct. 16; Serial No. 574,354, published July 3, 1951. Class 12.

Shaler Company, The, Waupun, Wis. Vehicle tire and tube patching materials. 288,169, renewed Oct. 20, 1951. O. G. Oct. 16. Class 35.

Shanahan, Edward J., Brooklyn, N. Y. Painting knives. 549,452, Oct. 16; Serial No. 576,138, published July 17, 1951. Class 23.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations useful in the prevention and treatment of bacterial infections, etc. 549,634, Oct. 16; Serial No. 602,649, published July 3, 1951. Class 18.

Shelton Manufacturing Co., Inc., Long Island City, N. Y. Corrugated paper boxes. 549,575, Oct. 16; Serial No. 598,111, published July 24, 1951. Class 2.

Shirley Corporation, Indianapolis, Ind. Kitchen cabinets. 549,676, Oct. 16; Serial No. 606,054, published July 10, 1951. Class 13.

Signature Hosiery Company: *See*—
Signature Hosiery Company, Inc.

Signature Hosiery Company, Inc., Philadelphia, Pa., and New York, N. Y., to Signature Hosiery Company, North Wales, Pa. Hosiery. 290,145, renewed Dec. 22, 1951. O. G. Oct. 16. Class 39.

Skookum Packers Association, Wenatchee, Wash. Fresh apples. 549,703, Oct. 16; Serial No. 550,266, published July 10, 1951. Class 46.

Skrmetta, Ray, doing business under the name and style of Deepsouth Packing Company, New Orleans, La. Canned shrimp. 549,614, Oct. 16; Serial No. 601,173, published June 5, 1951. Class 46.

Slater, S., & Sons, Inc., to J. P. Stevens & Co., Inc., New York, N. Y. Piece goods. 286,668, renewed Sept. 1, 1951. O. G. Oct. 16. Class 42.

Smithfield's Pure Food Company, Inc., Rochester, N. Y. Canned fruits, canned vegetables, jams, etc. 549,465, Oct. 16; Serial No. 579,297, published July 31, 1951. Class 46.

Snow Mountain Orchard: *See*—
Richey & Gilbert Company.

Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Clays, coal, absorbent and adsorbent decolorizing earths, etc. 549,405, Oct. 16; Serial No. 558,946, published July 3, 1951. Class 1.

Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France. Clays, coal, absorbent and adsorbent decolorizing earths, etc. 549,406, Oct. 16; Serial No. 558,948, published July 17, 1951. Class 1.

Société Solex: *See*—
Goudard, M., and Mennesson.

Sokol & Company, doing business as Solo Products Company, Chicago, Ill. Malt syrup, dried mushrooms, canned mushrooms, etc. 549,420, Oct. 16; Serial No. 565,527, published June 26, 1951. Class 46.

Solo Products Company: *See*—
Sokol & Company.

Speedmaster Corporation, assignee: *See*—
Markley Corporation.

Spitzer, Hyman, doing business as Bayonne Wholesale Food Co., Bayonne, N. J. Canned fish, canned vegetables, canned fruit, etc. 549,469, Oct. 16; Serial No. 580,103, published May 29, 1951. Class 46.

Sprague Electric Company, North Adams, Mass. Electrical condensers. 549,687, Oct. 16; Serial No. 607,772, published July 10, 1951. Class 21.

Sprague Electric Company, North Adams, Mass. Resistors. 549,688, Oct. 16; Serial No. 607,773, published July 10, 1951. Class 21.

Sprague Electric Company, North Adams, Mass. Electrical condensers. 549,689–92, Oct. 16; Serial Nos. 607,774–7, published July 10, 1951. Class 21.

Springfield Flour Mills: *See*—
Colorado Milling & Elevator Co., The.

Standard Brands Incorporated, New York, N. Y. Phosphate and lactate mixture. 290,089, renewed Dec. 22, 1951. O. G. Oct. 16. Class 6.

Standard Insulation Company, East Rutherford, N. J. Paper board lacquered or varnished. 549,654, Oct. 16; Serial No. 604,108, published July 17, 1951. Class 1.

State Dairy Products Company, Columbia, Mo. Ice cream. 549,421, Oct. 16; Serial No. 567,052, published June 12, 1951. Class 46.

Stein-Tex, Inc., New York, N. Y. Cotton piece goods. 549,726, Oct. 16; Serial No. 598,216. Class 42.

Stern Brown Inc., Long Island City, N. Y. Electric toasters, waffle irons, sandwich toasters and broilers. 549,546, Oct. 16; Serial No. 594,864, published July 3, 1951. Class 21.

Stevens, J. P., & Co., Inc.: *See*—
Slater, S., & Sons, Inc.

Stock-Gro, Inc., Chicago, Ill. Whey products. 549,439, Oct. 16; Serial No. 573,343, published July 31, 1951. Class 46.

Stollwerck, A, N., Inc., Camden, N. J. Chocolate, cocoa powder, and cocoa butter. 549,494, Oct. 16; Serial No. 584,945, published July 24, 1951. Class 46.

Stoltzfus, B. B.: *See*—
Stoltzfus, Benjamin B.

Stoltzfus, Benjamin B., doing business as B. B. Stoltzfus, Intercourse, Pa. Power operated garden cultivator. 549,460, Oct. 16; Serial No. 577,752, published June 19, 1951. Class 23.

Strong Electric Corporation, The, Toledo, Ohio. Electric spot lights and parts thereof. 549,486, Oct. 16; Serial No. 583,562, published June 26, 1951. Class 21.

Summer Agency, The: *See*—
Summer, Fred J.

Summer, Fred J., doing business as The Summer Agency, Sacramento, Calif. General insurance brokerage. 549,734, Oct. 16; Serial No. 563,572. Class 102.

Sun Rubber Company, The, Barberton, Ohio. Teething implements. 549,570, Oct. 16; Serial No. 597,638, published July 17, 1951. Class 44.

Sunnyhill Coal Company, Dormont, Pa. Mining machines. 549,388, Oct. 16; Serial No. 550,754, published June 19, 1951. Class 23.

Swiss Kitchen, Chicago, Ill. Cake and candy. 549,512, Oct. 16; Serial No. 587,766, published June 5, 1951. Class 46.

Sylvania Electric Products Inc., New York, N. Y. Cathode ray tubes. 549,685, Oct. 16; Serial No. 607,271, published July 10, 1951. Class 21.

Talk-A-Phone Co., Chicago, Ill. Selector mechanism. 549,514, Oct. 16; Serial No. 587,980, published July 10, 1951. Class 21.

Tatar, Frank J., doing business as Frank J. Tatar Company, Buffalo, N. Y. Board game played with movable pieces. 549,696, Oct. 16; Serial No. 609,348, published July 24, 1951. Class 22.

Tatar, Frank J., Company: *See*—
Tatar, Frank J.

Taylor Food Company, Raleigh, N. C. Peanut butter sandwiches. 549,624, Oct. 16; Serial No. 602,230, published June 19, 1951. Class 46.

Teeple, Lawrence R., by Iron Fireman Manufacturing Company, Portland, Oreg. Thermostatically controlled electric switches. 280,597, Feb. 24, 1931. Republished Oct. 16. Class 21.

Television Equipment Corporation, New York, N. Y. Television cameras and parts thereof, television antennae and parts thereof. 549,480, Oct. 16; Serial No. 581,841, published July 3, 1951. Class 21.

Terrell Machine Company, The, Charlotte, N. C. Textile fiber combing machines. 549,681, Oct. 16; Serial No. 606,400, published July 3, 1951. Class 23.

Thompson, Frank D., Chicago, Ill. Magazine. 549,705, Oct. 16; Serial No. 523,625. Class 38.

Timm Industries, Inc., Los Angeles, Calif. Coin operated sandwich vending or dispensing machine. 549,549, Oct. 16; Serial No. 594,927, published July 3, 1951. Class 23.

Tom Thumb Do-Nut Corporation, Hollywood, Calif. Electrically heated and electrically operated donut machines. 549,639, Oct. 16; Serial No. 603,091, published June 26, 1951. Class 21.

Triple E Development Company, Dade City, Fla., assignee of Floridagold Citrus Corporation. Canned citrus fruit juices and blends thereof, canned grapefruit, and canned tomato juice. 549,426, Oct. 16; Serial No. 567,962, published June 12, 1951. Class 46.

Tubular Textile Machinery Corporation, New York, to Tubular Textile Machinery Corporation, Woodside, N. Y. Machines for treating tubular textile fabrics. 290,179, renewed Dec. 22, 1951. O. G. Oct. 16. Class 23.

Tykor Products, Inc., assignor to The Borden Company, New York, N. Y. Insecticides, insect and stock sprays. 444,581, Oct. 16; Serial No. 511,771, published Jan 21, 1947. Class 6.

Ulmer Pharmacal Company: *See*—
Physicians and Hospitals Supply Company, Inc.

Union Switch and Signal Company, The, Swissvale, Pa. Electrical apparatus and equipment. 549,647, Oct. 16; Serial No. 603,947, published July 3, 1951. Class 21.
United Aircraft Products, Inc., Dayton, Ohio. Metal pans. 549,453–4, Oct. 16; Serial Nos. 576,176–7, published July 24, 1951. Class 13.
United Laboratories Inc., Chicago, Ill., to M. Goldine, White Plains, N. Y. Liquid preparation for the feet and a greaseless preparation for the skin. 290,016, renewed Dec. 22, 1951. O. G. Oct. 16. Class 51.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece and linen fabrics in the piece. 549,526, Oct. 16; Serial No. 591,124, published July 17, 1951. Class 42.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece and linen fabrics in the piece. 549,527, Oct. 16; Serial No. 591,126, published July 17, 1951. Class 42.
United Piece Dye Works, The, Lodi, N. J. Fabrics in the piece and linen fabrics in the piece. 549,528, Oct. 16; Serial No. 591,128, published July 17, 1951. Class 42.
United Steel Company, The, Canton, to Republic Steel Corporation, Cleveland, Ohio. Steel bars, slabs, and billets. 84,298, re-renewed Nov. 21, 1951. O. G. Oct. 16. Class 14.
Upjohn Company, The, Kalamazoo, Mich. Drugs, medicines, etc. 289,473, renewed Dec. 1, 1951. O. G. Oct. 16. Class 18.
Usen Canning Co., also doing business as Irving Canning Co., Boston, Mass. Canned cat food. 549,643, Oct. 16; Serial No. 603,467, published July 24, 1951. Class 46.
Vacuum Products Corporation, Newark, N. J. Heat insulated vacuum bottle. 549,529, Oct. 16; Serial No. 591,261, published July 24, 1951. Class 2.
Van Brode Milling Co., Inc., Clinton, Mass. Cereal breakfast foods. 549,553, Oct. 16; Serial No. 595,523, published May 1, 1951. Class 46.
Van Brunt, Grace W., Belton, Mo. Dolls' clothing. 289,951, renewed Dec. 15, 1951. O. G. Oct. 16. Class 22.
Van Raalte Company, Inc., New York, N. Y. Underwear. 290,050, renewed Dec. 22, 1951. O. G. Oct. 16. Class 39.
Varsity Pajamas, Incorporated: *See*—
Excelsior Varsity Underwear Corporation.
Vegetable Oil Products Company, Inc., Wilmington, Calif. Vegetable shortening. 549,728, Oct. 16; Serial No. 600,709. Class 46.
Victoria-Vogue, Inc., New York, N. Y. Containers. 549,550, Oct. 16; Serial No. 595,018, published July 24, 1951. Class 2.
Waldesbühl, Paul N., Bremgarten, Aargau, Switzerland. Spoons and spatulas for surgical and pharmaceutical use. 533,327, Nov. 14, 1950. Corrected. O. G. Oct. 16. Class 44.
Ward, Leonard Electric Company, Mount Vernon, N. Y. Electric resistive devices. 549,574, Oct. 16; Serial No. 597,964, published July 10, 1951. Class 21.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric lighting control apparatus. 549,582, Oct. 16; Serial No. 598,820, published July 27, 1951. Class 21.
Warren Featherbone Company, The, Three Oaks, Mich. Girdles, garter belts, hose supporters, etc. 284,477, renewed June 30, 1951. O. G. Oct. 16. Class 39.
Warren Webster & Company, Camden, N. J. Steam heating and ventilating apparatus, etc. 84,148, re-renewed Nov. 7, 1951. O. G. Oct. 16. Class 34.
Washington State Hop Producers, Inc., Yakima, Wash. Hops. 549,704, Oct. 16; Serial No. 573,389, published July 3, 1951. Class 1.
Waterbury Companies, Incorporated, Waterbury, Conn. Custom molding. 549,733, Oct. 16; Serial No. 550,634. Class 100.
Waterbury Tack Company, Inc., The, Shelton, Conn. Thumb tacks. 549,456, Oct. 16; Serial No. 576,434, published July 10, 1951. Class 13.
Watson Company, The, Attleboro, Mass. Sterling silver hollow ware and sterling silver flat ware. 289,958, renewed Dec. 15, 1951. O. G. Oct. 16. Class 28.
Waukegan Baby Seat Co., Inc., Waukegan, Ill. Auxiliary toilet seats. 549,626, Oct. 16; Serial No. 602,296, published July 10, 1951. Class 13.
Weber, Leopold H., Strasbourg-Neudorf, Bas-Rhin, France. Printed folders, floor plans, and maps. 549,717, Oct. 16; Serial No. 587,218. Class 38.
Wenzel, H., Tent & Duck Co., St. Louis, Mo. Water bags. 549,600, Oct. 16; Serial No. 600,364, published July 24, 1951. Class 2.
Wesco Foods Co.: *See*—
Kroger Grocery & Baking Co., The.
Western Fruit Growers, Inc., Los Angeles, Calif. Fresh citrus fruits, fresh deciduous fruits, fresh grapes, etc. 549,390, Oct. 16; Serial No. 551,350, published July 31, 1951. Class 46.
Western Meat Dist. Co.: *See*—
Miller, Clyde.
Western Meat Distributors: *See*—
Miller, Clyde.
Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md. X-ray apparatus. 549,636, Oct. 16; Serial No. 602,792, published June 26, 1951. Class 44.
White Kitchen, Bartlesville, Okla. Doughnuts. 549,554, Oct. 16; Serial No. 595,583, published June 19, 1951. Class 46.
White Sea & Baltic Company P. & I. Danischewsky Ltd., The, London, England. Pine oils, turpentine, dipentenes, etc. 549,392, Oct. 16; Serial No. 551,836, published July 3, 1951. Class 6.
Wickbury, Ltd.: *See*—
Clothiers Corporation.
Wilbert Products Co., Inc., The, New York, N. Y. Self-polishing floor wax. 549,588, Oct. 16; Serial No. 599,404, published July 17, 1951. Class 4.
Williams, J. B., Company, The, Glastonbury, Conn., to The Andrew Jergens Company, Cincinnati, Ohio. Hair and beard preparations. 37,452, re-renewed Dec. 10, 1951. O. G. Oct. 16. Class 51.
Williams, Rosa L., Janesville, Wis. Preparation for polishing and cleaning furniture. 293,023. Apr. 5, 1932. Canceled Aug. 17, 1951. O. G. Oct. 16. Class 4.
Wilson Soya Corporation, Wilson, Ark. Soy bean meal and soy bean pellets. 549,544, Oct. 16; Serial No. 594,418, published July 24, 1951. Class 46.
Wilton Tool Mfg. Co., Chicago, Ill. Bench vises. 549,522, Oct. 16; Serial No. 590,044, published July 3, 1951. Class 23.
Winsted Hardware Manufacturing Company, The, Winsted, Conn. Electric irons. 549,694, Oct. 16; Serial No. 606,582, published July 17, 1951. Class 21.
Woodward, Albert Y., doing business as Custom Furniture Finishers Guild, Washington, D. C. Furniture polish. 549,604, Oct. 16; Serial No. 600,559, published July 17, 1951. Class 4.
Woolsey, C. A., Paint & Color Co., Inc., New York, N. Y. Chemical preparation. 549,730, Oct. 16; Serial No. 602,178. Class 6.
"X" Laboratories, Inc., New York, N. Y. Preparation for cleaning automobile bodies. 549,479, Oct. 16; Serial No. 581,749, published July 17, 1951. Class 52.
Yorba Orange Growers Association, Anaheim, Calif. Fresh citrus fruits. 549,619, Oct. 16; Serial No. 601,857, published May 15, 1951. Class 46.
Yuma Mesa Fruit Growers Association: *See*—
Desert Citrus Products Association.
Zinsser, William & Co. Incorporated: *See*—
Zinsser, William H.
Zinsser, William H., to William Zinsser & Co. Incorporated, New York, N. Y. Shellac and other varnishes. 82,739, re-renewed July 18, 1951. O. G. Oct. 16. Class 16.
Zion Industries, Inc., Zion, Ill. Cookies. 549,437, Oct. 16; Serial No. 571,928, published May 22, 1951. Class 46.
Zion Industries, Inc., Zion, Ill. Cookies. 549,441, Oct. 16; Serial No. 573,860, published May 29, 1951. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Baby chicks. Berry Brothers. 549,591, Oct. 16; Serial No. 599,494, published July 17, 1951.
Blooms, plants, cuttings, etc. The Denver Wholesale Florists Company. 549,723, Oct. 16; Serial No. 594,697.
Brush fibers, Synthetic. The Fuller Brush Company. 549,630, Oct. 16; Serial No. 602,552, published July 17, 1951.
Cellulose. Enso-Gutzeit Osakeyhtio. 285,169, renewed July 14, 1951. O. G. Oct. 16.
Charcoal. Crossett Chemical Company. 549,659, Oct. 16; Serial No. 604,521, published July 3, 1951.
Chemical compounds. E. I. du Pont de Nemours and Company. 549,432, Oct. 16; Serial No. 569,965, published July 17, 1951.
Clays, coal, absorbent and adsorbent decolorizing earths, etc. Société Anonyme des Terres Décolorantes Françaises Franterre. 549,405, Oct. 16; Serial No. 558,946, published July 3, 1951.
Clays, coal, absorbent and adsorbent decolorizing earths, etc. Société Anonyme des Terres Décolorantes Françaises Franterre. 549,406, Oct. 16; Serial No. 558,948, published July 17, 1951.
Coal. W. G. Duncan Coal Company, Inc. 549,720, Oct. 16; Serial No. 592,261.
Coal. Randall Fuel Company Incorporated. 549,632, Oct. 16; Serial No. 602,629, published July 17, 1951.
Hops. Washington State Hop Producers, Inc. 549,704, Oct. 16; Serial No. 573,389, published July 3, 1951.
Leather. A. F. Gallun & Sons Corporation. 281,588, renewed Mar. 24, 1951. O. G. Oct. 16.
Leather, Chrome-tanned. A. F. Gallun & Sons. 83,572, re-renewed Sept. 26, 1951. O. G. Oct. 16.
Leather, Vegetable-tanned. A. F. Gallun & Sons. 83,571, re-renewed Sept. 26, 1951. O. G. Oct. 16, 1951.
Leather, Vegetable-tanned. A. F. Gallun & Sons. 83,573, re-renewed Sept. 26, 1951. O. G. Oct. 16.

Mineral substance, White, rigid, uniformly porous, acid-proof. Filtros Incorporated. 285,171, renewed July 14, 1951. O. G. Oct. 16.
Mink pelts and live minks. Northwood Fur Farms. 549,579, Oct. 16; Serial No. 598,383, published July 17, 1951.
Paper and creped cellulose wadding. Kimberly-Clark Corporation. 549,660, Oct. 16; Serial No. 604,580, published July 17, 1951.
Paper board lacquered or varnished. Standard Insulation Company. 549,654, Oct. 16; Serial No. 604,108, published July 17, 1951.
Plastic film, Embossed. Imperial Chemical & Plastics Corporation. 549,576, Oct. 16; Serial No. 598,188, published July 17, 1951.
Seed mixture, Lawn. Lee Patten Seed Company. 549,584–5, Oct. 16; Serial Nos. 599,005–6, published July 17, 1951.
Seeds for producing hybrid ears of corn. Northrup, King & Co. 549,721, Oct. 16; Serial No. 593,495.
Sponges and chamois. S. M. Arnold, Inc. 549,566, Oct. 16; Serial No. 596,644, published July 3, 1951.
Wood flour, soya bean flour and silica sols. Monsanto Chemical Company. 549,401, Oct. 16; Serial No. 556,903, published July 17, 1951.

CLASS 2

Bags, Burlap, cotton bags, and paper bags. Max Katz Bag Company, Inc. 549,358, Oct. 16; Serial No. 500,544, published July 24, 1951.
Bags, Paper. Commodity House. 549,521, Oct. 16; Serial No. 589,954, published July 17, 1951.
Bags, Paper. International Paper Company. 549,648–9, Oct. 16; Serial Nos. 604,000–1, published July 24, 1951.
Bags, Paper. International Paper Company. 549,650–1, Oct. 16; Serial Nos. 604,004–5, published July 24, 1951.
Bags, Paper. International Paper Company. 549,652–3, Oct. 16; Serial Nos. 604,006–7, published July 24, 1951.
Bags, Paper and plastic, and plastic bottles and jars. Rile-Coe Filter Process, Inc. 549,418, Oct. 16; Serial No. 565,375, published July 24, 1951.
Bags, Water. H. Wenzel Tent & Duck Co. 549,600, Oct. 16; Serial No. 600,364, published July 24, 1951.
Bottle, Heat insulated vacuum. Vacuum Products Corporation. 549,529, Oct. 16; Serial No. 591,261, published July 24, 1951.
Boxes, Collapsible pallet. Fab-Weld Corporation. 549,473, Oct. 16; Serial No. 580,833, published July 24, 1951.
Boxes, Corrugated paper. Shelton Manufacturing Co., Inc. 549,575, Oct. 16; Serial No. 598,111, published July 24, 1951.
Boxes, Packing and shipping. Atlas-Boxmakers, Inc. 549,483–3 Oct.16; Serial Nos. 582,515–16, published July 24, 1951.
Cartons, Collapsible cardboard. Royal Feed & Milling Co. 549,492, Oct. 16; Serial No. 584,737, published July 24, 1951.
Cases, Women's vanity. Mr. John, Inc. 549,467, Oct. 16; Serial No. 579,498, published July 24, 1951.
Closet accessories. Sears, Roebuck and Co. 549,386, Oct. 16; Serial No. 549,581, published July 24, 1951.
Containers. Victoria-Vogue, Inc. 549,550, Oct. 16; Serial No. 595,018, published July 24, 1951.
Merchandise envelopes. Alexander Herz Co., Inc. 549,412, Oct. 16; Serial No. 562,898, published July 24, 1951.
Tumblers, sugar bowls, cream pitchers, etc., Articles all made of plastic. The Plas-Tex Corporation. 549,440, Oct. 16; Serial No. 573,457, published July 24, 1951.
Vaults, Concrete burial. American Vault Company. 549,645, Oct. 16; Serial No. 603,626, published July 24, 1951.

CLASS 4

Abrasive articles. The Carborundum Company. 83,390, re-renewed Sept. 12, 1951. O. G. Oct. 16.
Abrasive wheels, Steel center. The Carborundum Company. 286,992, renewed Sept. 8, 1951. O. G. Oct. 16.
Alteratives antacid preparations, antiseptics, aspirin tablets, etc. The De Pree Company. 549,407, Oct. 16; Serial No. 560,452, published July 17, 1951.
Cleaning and polishing preparations. B. Heller & Company. 549,425, Oct. 16; Serial No. 567,782, published July 17, 1951.
Floor wax, Self-polishing. The Wilbert Products Co., Inc. 549,588, Oct. 16; Serial No. 599,404, published July 17, 1951.
Polish, Furniture. A. Y. Woodward. 549,604, Oct. 16; Serial No. 600,559, published July 17, 1951.
Preparation for polishing and cleaning furniture. R. L. Williams. 293,023, Apr. 5, 1932. Canceled Aug. 17, 1951. O. G. Oct. 16.

CLASS 5

Adhesive liquid. Black Magic Adhesives. 549,715, Oct. 16; Serial No. 584,657.

CLASS 6

Active carbon, usually treated charred organic material. N. V. Algemeene Norit Maatschappij. 435,640, Jan. 6, 1948. Corrected. O. G. Oct. 16.

Ammonia, Domestic, and liquid bluing. The Kroger Grocery & Baking Co. 290,105, renewed Dec. 22, 1951. O. G. Oct. 16.
Chemical preparation. C. A. Woolsey Paint & Color Co., Inc. 549,730, Oct. 16; Serial No. 602,178.
Gelatins and gelatin desserts. Kosher Desserts, Inc. 394,054, Mar. 17, 1942. Republished Oct. 16.
Insecticides. Continental Merchandise Corporation. 549,395, Oct. 16; Serial No. 554,285, published July 3, 1951.
Insecticides, insect and stock sprays. Tykor Products, Inc. 444,581, Oct. 16; Serial No. 511,771, published Jan. 21, 1947.
Liquid and solid materials used for filtering, clarifying and preserving wines, beers, and other beverages. E. Chevallier-Appert. 275,160, renewed Sept. 16, 1950. O. G. Oct. 16.
Phosphate and lactate mixture. Standard Brands Incorporated. 290,089, renewed Dec. 22, 1951. O. G. Oct. 16.
Pine oils, turpentine, dipentenes, etc. The White Sea & Baltic Company P. & I. Danischewsky Ltd. 549,392, Oct. 16; Serial No. 551,836, published July 3, 1951.
Resins and plastics, Synthetic. Monsanto Chemical Company. 549,397, Oct. 16; Serial No. 554,913, published July 3, 1951.
Vegetable products used as emulsifying medium. Meyerhans Produkte A. G. (Meyerhans Products Ltd.). 549,455, Oct. 16; Serial No. 576,344, published July 17, 1951.

CLASS 12

Doors, Metallic, metallic interior and exterior building trim, etc. Dahlstrom Metallic Door Company. 549,399, Oct. 16; Serial No. 555,926, published July 3, 1951.
Expansion joint sealing compounds, fillers and premolded expansion joints, etc. Servicised Products Corporation. 549,442, Oct. 16; Serial No. 574,354, published July 3, 1951.
Flooring, Oak. E. L. Bruce Co. 285,659, renewed Aug. 4, 1951. O. G. Oct. 16.

CLASS 13

Aerators. Knickerbocker Rubber Company. 549,562, Oct. 16; Serial No. 596,099, published July 24, 1951.
Bolts, screws, chains, etc. Duquesne Mine Supply Company. 549,474, Oct. 16; Serial No. 580,877, published July 10, 1951.
Box sold empty to the trade and made of polystyrene for holding and dispensing waxed paper rolls, etc. Romalite Company. 549,433, Oct. 16; Serial No. 570,231, published July 24, 1951.
Chains, chain hooks, and chain load binders. Peerless Steel Company. 549,675, Oct. 16; Serial No. 606,045, published July 17, 1951.
Control springs, Window. Leidgen Specialty Company. 549,695, Oct. 16; Serial No. 609,302, published July 24, 1951.
Copper tubing, Automotive and general service, refrigeration service copper tubing. Penn Brass & Copper Company. 549,504, Oct. 16; Serial No. 586,223, published July 31, 1951.
Corrosion shields. Dresser Industries, Inc. 549,627, Oct. 16; Serial No. 602,311, published July 17, 1951.
Couplings, Metal, and metal clamps, metal fittings, etc. Dresser Industries, Inc. 549,537, Oct. 16; Serial No. 593,164, published July 24, 1951.
Dispensing cabinets, Towel. Crown Zellerbach Corporation. 549,360, Oct. 16; Serial No. 527,188, published July 24, 1951.
Door springs, Spiral. The Consolidated Iron-Steel Mfg. Co. 549,500, Oct. 16; Serial No. 585,567, published July 24, 1951.
Fasteners, Quick-acting, self-locking, and fastener parts and accessories. Dzus Fastener Co., Inc. 549,508, Oct. 16; Serial No. 586,798, published July 10, 1951.
Fencing and gates, Farm. C. Pupilli. 549,557, Oct. 16; Serial No. 595,736, published July 10, 1951.
Fittings and couplings, Metal. Aeroquip Corporation. 549,555, Oct. 16; Serial No. 595,696, published July 24, 1951.
Fittings and couplings, Metal. Aeroquip Corporation. 549,556, Oct. 16; Serial No. 595,699, published July 24, 1951.
Fittings and couplings, Metal. Aeroquip Corporation. 549,559, Oct. 16; Serial No. 595,752, published July 24, 1951.
Handle sticks, Wooden. Joe Lowe Corporation. 549,693, Oct. 16; Serial No. 608,279, published July 31, 1951.
Hardware, Mounting. Edouard Dubied & Cie, Societe Anonyme. 549,379, Oct. 16; Serial No. 544,985, published July 31, 1951.
Holders, Paper towel, knife holders, match box holders, etc. F. H. Lewis. 549,417, Oct. 16; Serial No. 565,191, published July 24, 1951.
Kitchen cabinets. Shirley Corporation. 549,676, Oct. 16; Serial No. 606,054, published July 10, 1951.
Metal pans. United Aircraft Products, Inc. 549,453–4, Oct. 16; Serial No. 576,176–7, published July 24, 1951.
Metal ware, Light. Norben, Inc. 549,506, Oct. 16; Serial No. 586,542, published July 24, 1951.

Pipe straps, Leader. D. Levow. 549,499, Oct. 16; Serial No. 585,356, published July 24, 1951.
Plumbers' supply specialties. The H. O. Canfield Co. 549,476, Oct. 16; Serial No. 581,119, published July 24, 1951.
Plumbers' supply specialties. The H. O. Canfield Co. 549,670, Oct. 16; Serial No. 605,630, published July 10, 1951.
Porcelain enamel coated base metal cooking, kitchen, and household ware. The Canton Stamping & Enameling Company. 549,363, Oct. 16; Serial No. 533,535, published July 24, 1951.
Pots and pans, Copper sheathed cooking. Crown Jewel Ware, Inc. 516,460, Oct. 18, 1949. Canceled Aug. 30, 1951. O. G. Oct. 16.
Rods and racks, Metal. Berkeley Industries. 549,661, Oct. 16; Serial No. 604,717, published July 31, 1951.
Slide fasteners, Separable. Harry Levitas, Inc. 549,671, Oct. 16; Serial No. 605,662, published July 10, 1951.
Steel point stilts. P. P. Laskey. 549,536, Oct. 16; Serial No. 592,921, published July 31, 1951.
Suction-cup article-securing guards, Portable. Compco Corporation. 549,487, Oct. 16; Serial No. 583,590, published July 10, 1951.
Support for supporting mirrors, lamps, etc., Collapsible upright. Magic-View Co. 549,400, Oct. 16; Serial No. 556,210, published July 17, 1951.
Tacks, Thumb. The Waterbury Tack Company, Inc. 549,456, Oct. 16; Serial No. 576,434, published July 10, 1951.
Toilet seats, Auxiliary. Waukegan Baby Seat Co., Inc. 549,626, Oct. 16; Serial No. 602,296, published July 10, 1951.
Tube fittings, Hydraulic. Flodar Corporation. 549,393–4, Oct. 16; Serial Nos. 553,688–9, published July 24, 1951.
Tubing, Metallic. Jones & Laughlin Steel Corporation. 549,665, Oct. 16; Serial No. 605,308, published July 24, 1951.
Valves. The Lunkenheimer Company. 549,673, Oct. 16; Serial No. 605,834, published July 17, 1951.
Valves, Anti-siphon, three-way vacuum valves, etc. Petroleum Heat and Power Company. 549,609, Oct. 16; Serial No. 600,694, published July 24, 1951.
Valves, Fluid mixing; air mixing valves; pressure regulators and reducing valves; etc. The Powers Regulator Company. 549,408, Oct. 16; Serial No. 562,084, published July 10, 1951.

CLASS 14

Bars, slabs, and billets, Steel. The United States Steel Company. 84,298, re-renewed Nov. 21, 1951. O. G. Oct. 16.
Metal stampings, All types of finished. Bowen Products Corporation. 549,365, Oct. 16; Serial No. 534,083, published July 17, 1951.
Metals, Soldering. Multicore Solders Limited. 549,580, Oct. 16; Serial No. 598,539, published July 24, 1951.

CLASS 15

Lubricant, Upper cylinder and valve. Bowes "Seal-Fast" Corporation. 549,680, Oct. 16; Serial No. 606,364, published July 3, 1951.
Oils and greases, Lubricating. Bigham Gin Supply Co. 549,683, Oct. 16; Serial No. 606,967, published July 3, 1951.
Oils, Hydraulic torque. The Pure Oil Company. 549,369, Oct. 16; Serial No. 541,025, published July 3, 1951.

CLASS 16

Colors in oil for paints, etc. Monad Paint and Varnish Company. 289,486, renewed Dec. 1, 1951. O. G. Oct. 16.
Composition of matter in the nature of a paint. Mergenthaler Linotype Company. 289,690, renewed Dec. 1, 1951. O. G. Oct. 16.
Shellac and other varnishes. W. H. Zinsser. 82,739, re-renewed July 18, 1951. O. G. Oct. 16.

CLASS 17

Tobaccos, Smoking, snuffs, and cigarettes. P. J. Carroll & Co. 282,072, renewed Apr. 7, 1951. O. G. Oct. 16.
Tobaccos, Smoking, snuffs, and cigarettes. P. J. Carroll & Co. 282,076–8, renewed Apr. 7, 1951. O. G. Oct. 16.
Tobaccos, Smoking, snuffs, and cigarettes. P. J. Carroll & Co. 282,083, renewed Apr. 7, 1951. O. G. Oct. 16.

CLASS 18

Agents used in allergy, analgesics, analeptics, etc. Hoffmann-La Roche Inc. 549,458, Oct. 16; Serial No. 576,701, published July 3, 1951.
Anesthetic, Topical. Calvin Chemical Corporation. 549,534, Oct. 16; Serial No. 592,304, published June 26, 1951.
Antacid powder. Sommer Company. 549,510, Oct. 16; Serial No. 587,694, published June 26, 1951.
Drugs, medicines, etc. The Upjohn Company. 289,473, renewed Dec. 1, 1951. O. G. Oct. 16.
Fungicide cream. Abbott Laboratories. 549,558, Oct. 16; Serial No. 595,750, published June 26, 1951.
Laxative preparation. Clinical Products Limited. 549,605, Oct. 16; Serial No. 600,570, published July 3, 1951.
Liver extract, Liquid. Eli Lilly and Company. 290,233, renewed Dec. 22, 1951. O. G. Oct. 16.
Medicinal preparation. Casimir Funk Laboratories, Inc. 549,607, Oct. 16; Serial No. 600,657, published July 3, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 549,561, Oct. 16; Serial No. 595,903, published July 3, 1951.
Pharmaceutical preparation. The S. E. Massengill Company. 549,565, Oct. 16; Serial No. 596,595, published July 3, 1951.
Pharmaceutical preparation, Analgesic. Crookes Laboratories, Inc. 549,662, Oct. 16; Serial No. 604,770, published July 3, 1951.
Pharmaceutical preparations. Parke, Davis & Company. 549,403, Oct. 16; Serial No. 557,206, published July 3, 1951.
Pills, Cathartic. Lanman & Kemp. 84,109, re-renewed Nov. 7, 1951. O. G. Oct. 16.
Preparations useful in the prevention and treatment of bacterial infections, etc. Sharp & Dohme, Incorporated. 549,634, Oct. 16; Serial No. 602,649, published July 3, 1951.
Vegetable pastils. Lanman & Kemp. 84,108, re-renewed Nov. 7, 1951. O. G. Oct. 16.

CLASS 21

Air circulators employing electrically driven fans, Deflector type. Kisco Company, Inc. 549,538, Oct. 16; Serial No. 593,277, published July 3, 1951.
Batteries, Storage. Advance Stores Company, Incorporated. 549,572, Oct. 16; Serial No. 597,861, published June 26, 1951.
Cathode ray tubes. Sylvania Electric Products Inc. 549,685, Oct. 16; Serial No. 607,271, published July 10, 1951.
Condensers. Radio Materials Corporation. 549,699, Oct. 16; Serial No. 609,665, published July 17, 1951.
Condensers, Electric. Compagnie Generale d'Electro-Ceramique. 549,601–02, Oct. 16; Serial Nos. 600,419–20, published July 10, 1951.
Condensers, Electrical. Sprague Electric Company. 549,687, Oct. 16; Serial No. 607,772, published July 10, 1951.
Condensers, Electrical. Sprague Electric Company. 549,689–92, Oct. 16; Serial Nos. 607,774–7, published July 10, 1951.
Dishwashers, Automatic electric, and combined sinks and electric dishwashers. Mullins Manufacturing Corporation. 549,640, Oct. 16; Serial No. 603,123, published July 3, 1951.
Donut machines, Electrically heated and electrically operated. Tom Thumb Do-Nut Corporation. 549,639, Oct. 16; Serial No. 603,091, published June 26, 1951.
Electric non-labeled and loose labeled can detecting and ejecting apparatus. G. J. Palmer. 549,718, Oct. 16; Serial No. 587,395.
Electric resistive devices. Ward Leonard Electric Company. 549,574, Oct. 16; Serial No. 597,964, published July 10, 1951.
Electrical apparatus and equipment. The Union Switch and Signal Company. 549,647, Oct. 16; Serial No. 603,947, published July 3, 1951.
Electrical connectors, Sheathed. National Products Corporation. 549,637, Oct. 16; Serial No. 602,967, published June 26, 1951.
Electrical equipment. Bogue Electric Manufacturing Company. 549,594, Oct. 16; Serial No. 599,741, published Apr. 17, 1951.
Electrical protective equipment. McGraw Electric Company. 549,533, Oct. 16; Serial No. 591,994, published July 10, 1951.
Electrically illuminated nursery pictures. Hartwig, Incorporated. 549,496, Oct. 16; Serial No. 585,327, published July 3, 1951.
Electrically operated apparatus and tools. Portable Electric Tools, Inc. 549,623, Oct. 16; Serial No. 602,214, published July 10, 1951.
Electrically operated communication apparatus. Raytheon Manufacturing Company. 549,587, Oct. 16; Serial No. 599,191, published July 3, 1951.
Electrically operated vehicle speed governors. Markley Corporation. 549,560, Oct. 16; Serial No. 595,810, published June 26, 1951.
Electrolytic floc producer. Alhydro, Inc. 549,411, Oct. 16; Serial No. 562,743, published July 3, 1951.
Electro-magnetic apparatus. Muirhead & Co. Limited. 549,617, Oct. 16; Serial No. 601,684, published June 26, 1951.
Electronic sleeping aids. C. Beasley. 549,567, Oct. 16; Serial No. 596,825, published July 10, 1951.
Feed-in-line for television receiving sets. Don Good, Inc. 549,731, Oct. 16; Serial No. 604,079.
Ferro-Magnetic alloy material. E. A. Gaugler. 549,641, Oct. 16; Serial No. 603,227, published June 26, 1951.
Illuminating apparatus. R. Guglielmo. 549,485, Oct. 16; Serial No. 583,120, published July 17, 1951.
Irons, Electric. L. B. Price Mercantile Co. 549,666, Oct. 16; Serial No. 605,438, published June 26, 1951.
Irons, Electric. The Winsted Hardware Manufacturing Company. 549,694, Oct. 16; Serial No. 608,582, published July 17, 1951.

Lamps, Electrical table and wall. Hungerford Plastics Corporation. 549,516, Oct. 16; Serial No. 588,091, published July 17, 1951.
Light fixtures, Fluorescent, slimline and incandescent. Anchor Appliance Mfg. Co. 549,568, Oct. 16; Serial No. 597,037, published July 3, 1951.
Light reflectors, Electric. Compco Corporation. 549,470, Oct. 16; Serial No. 580,185, published July 17, 1951.
Lighting apparatus and parts thereof, Electric. The Color Lighting Corporation. 549,501, Oct. 16; Serial No. 585,633, published July 3, 1951.
Lighting control apparatus, Electric. Ward Leonard Electric Company. 549,582, Oct. 16; Serial No. 598,820, published July 17, 1951.
Lighting fixtures, Electric. Castlelight Company. 549,489, Oct. 16; Serial No. 584,571, published July 3, 1951.
Magnetic separators, Non-electric. Eries Manufacturing Company. 549,592, Oct. 16; Serial No. 599,559, published July 10, 1951.
Magnetic separators, Non-electric permanent. Eriez Manufacturing Company. 549,706–07, Oct. 16; Serial Nos. 559,914–15.
Radio equipment. International Standard Electric Corporation. 549,431, Oct. 16; Serial No. 569,701, published June 26, 1951.
Radio receiving apparatus. Press Wireless, Inc. 549,493, Oct. 16; Serial No. 584,922, published July 17, 1951.
Rectifiers. General Transformer Corporation. 549,542, renewed Oct. 16; Serial No. 594,268, published July 3, 1951.
Resistors. Sprague Electric Company. 549,688, Oct. 16; Serial No. 607,773, published July 10, 1951.
Selector mechanism. Talk-A-Phone Co. 549,514, Oct. 16; Serial No. 587,980, published July 10, 1951.
Sound and recording apparatus, Electrical. H. Altman. 549,708, Oct. 16; Serial No. 568,483.
Spark plug adapters. Schole Industries. 549,633, Oct. 16; Serial No. 602,641, published July 17, 1951.
Spot lights and parts thereof, Electric. The Strong Electric Corporation. 549,486, Oct. 16; Serial No. 583,562, published June 26, 1951.
Switches. Thermostatically controlled electric. L. B. Teeple. 280,597, Feb. 24, 1931. Republished Oct. 16.
Synchronous magnetic tape sound recorders. Fairchild Recording Equipment Corporation. 549,697–8, Oct. 16; Serial Nos. 609,637–8, published July 17, 1951.
Television cameras and parts thereof, television antennae and parts thereof. Television Equipment Corporation. 549,480, Oct. 16; Serial No. 581,841, published July 3, 1951.
Television receivers. Hammond Research Corporation. 549,577–8, Oct. 16; Serial Nos. 598,252–3, published June 26, 1951.
Toaster, Automatic electric. Hamilton Ross Industries, Inc. 549,478, Oct. 16; Serial No. 581,556, published Oct. 24, 1950.
Toaster, Electric. Bar-Brook Manufacturing Co., Inc. 549,664, Oct. 16; Serial No. 604,950, published June 26, 1951.
Toasters, Waffle irons, sandwich toasters and broilers, Electric. Stern Brown Inc. 549,546, Oct. 16; Serial No. 594,864, published July 3, 1951.
Vaporizer, Electrically-heated. Remington Products Corporation. 549,532, Oct. 16; Serial No. 591,647, published July 3, 1951.
Welders and brazers. Heavy duty high power stationary and semi-portable electrical. Acro Welder Mfg. Co. 549,447, Oct. 16; Serial No. 575,114, published July 3, 1951.

CLASS 22

Bowling balls. J. Darula, Jr. 549,724, Oct. 16; Serial No. 594,956.
Compass, match and map case, and whistle, Combined. R. H. Boos. 549,702, Oct. 16; Serial No. 612,649, published July 31, 1951.
Dolls. Ideal Novelty & Toy Co. 549,679, Oct. 16; Serial No. 606,301, published July 24, 1951.
Dolls' clothing. G. W. Van Brunt. 289,951, renewed Dec. 15, 1951. O. G. Oct. 16.
Fishing lines. Newton Line Company Incorporated. 549,719, Oct. 16; Serial No. 588,880.
Fishing reels. The Enterprise Manufacturing Company. 287,175, renewed Sept. 15, 1951. O. G. Oct. 16.
Fishing rods. Researchers Universal, Inc. 549,700, Oct. 16; Serial No. 611,532, published July 24, 1951.
Game played with movable pieces, Board. F. J. Tatar. 549,696, Oct. 16; Serial No. 609,348, published July 24, 1951.

CLASS 23

Apparatus for applying caps or covers to containers. The Kinex Company, Incorporated. 549,668, Oct. 16; Serial No. 605,519, published June 19, 1951.
Bicycle horns. W. Boyd. 549,677, Oct. 16; Serial No. 606,126, published July 3, 1951.
Carbureters. M. Goudard and Mennesson. 85,655, Mar. 5, 1912. Republished Oct. 16.
Centrifugal machines. Hepworth Machine Company, Inc. 549,462, Oct. 16; Serial No. 578,206, published July 17, 1951.
Dusting machines, Agricultural and horticultural. Food Machinery and Chemical Corporation. 549,464, Oct. 16; Serial No. 579,087, published June 19, 1951.
Engines, Internal-combustion, auxiliary engines, etc. S. P. V. Piatti. 549,520, Oct. 16; Serial No. 588,323, published July 3, 1951.
Files (being tools). Rosslyn Engineering Supplies Limited. 549,613, Oct. 16; Serial No. 600,980, published July 17, 1951.
Garden cultivator, Power operated. B. B. Stoltzfus. 549,460, Oct. 16; Serial No. 577,752, published June 19, 1951.
Governors for internal combustion engines. E. V. Robnett, Jr. 549,563, Oct. 16; Serial No. 596,120, published July 17, 1951.
Hobbing machines. The Cleveland Hobbing Machine Company. 549,383, Oct. 16; Serial No. 548,330, published July 10, 1951.
Hydraulic control mechanism. Deere & Company. 549,507, Oct. 16; Serial No. 586,794, published July 17, 1951.
Key and gang punches, manually or power operated numbering, slotting, punching machines, etc. The McBee Company. 549,374, Oct. 16; Serial No. 543,632, published June 19, 1951.
Knives, Painting. E. J. Shanahan. 549,452, Oct. 16; Serial No. 576,138, published July 17, 1951.
Lawnmower parts. A. M. Collot Supplies, Inc. 549,552, Oct. 16; Serial No. 595,449, published July 3, 1951.
Lawn mowers. Peninsula Products Corporation. 549,481, Oct. 16; Serial No. 582,319, published July 17, 1951.
Machines for the production of paint and ink, etc. J. M. Lehmann Company, Inc. 549,419, Oct. 16; Serial No. 565,436, published July 3, 1951.
Machines for treating tubular textile fabrics. Tubular Textile Machinery Corporation. 290,179, renewed Dec. 22, 1951. O. G. Oct. 16.
Metal rolls for paper-making machinery; parts of marine machinery, etc. Sandusky Foundry & Machine Co. 549,658, Oct. 16; Serial No. 604,450, published July 10, 1951.
Milling cutters. Butters Manufacturing Company. 549,667, Oct. 16; Serial No. 605,464, published July 17, 1951.
Mining machines. Sunnyhill Coal Company. 549,388, Oct. 16; Serial No. 550,754, published June 19, 1951.
Motors and parts, Internal-combustion-engine powered outboard. Outboard, Marine and Manufacturing Company. 549,382. Oct. 16; Serial No. 546,423, published July 17, 1951.
Mowing machines, Power. P. W. Hainke. 549,644, Oct. 16; Serial No. 603,526, published June 19, 1951.
Mufflers for internal combustion engines. Riker Welding Works. 549,497, Oct. 16; Serial No. 585,396, published July 3, 1951.
Press, Portable manually operated laminating. Anstone Manufacturing Company. 549,391, Oct. 16; Serial No. 551,751, published Aug. 29, 1950.
Pumps. American Hydrotherm Corp. 549,488, Oct. 16; Serial No. 584,260, published July 17, 1951.
Pumps, Hand operated tire. R. W. Russell. 533,158, Nov. 7, 1950. Canceled Aug. 14, 1951. O. G. Oct. 16.
Razors, Electric and nonelectric. Industrie A. G. Allegro. 549,618, Oct. 16; Serial No. 601,733, published July 17, 1951.
Scissors and shears. The Clayton Manufacturing Company. 549,377–8, Oct. 16; Serial Nos. 544,703–4, published July 3, 1951.
Sewing machines. Morse Sewing Machine and Supply Corp. 549,684, Oct. 16; Serial No. 607,259, published July 17, 1951.
Spraying apparatus, Fertilizer. P. L. Gatchet, Inc. 549,427, Oct. 16; Serial No. 568,366, published July 17, 1951.
Steam jet ejectors. Ross Heater & Manufacturing Company, Inc. 549,656, Oct. 16; Serial No. 604,389, published July 3, 1951.
Steam jet ejectors. Ross Heater & Manufacturing Company, Inc. 549,657, Oct. 16; Serial No. 604,391, published July 3, 1951.
Textile fiber combing machines. The Terrell Machine Company. 549,681, Oct. 16; Serial No. 606,400, published July 3, 1951.
Tool, Iron bender. Hossfeld Manufacturing Co. 549,366, Oct. 16; Serial No. 535,582, published July 17, 1951.
Tools and similar devices, Hand. Hubbard and Company. 549,477, Oct. 16; Serial No. 581,479, published July 3, 1951.
Tools, Automatic and semi-automatic metal working machine. National Automatic Tool Company, Inc. 549,672, Oct. 16; Serial No. 605,805, published July 3, 1951.
Tools, Machine. Officine G. G. Bossetti Societa per Azioni. 549,484, Oct. 16; Serial No. 582,577, published July 3, 1951.
Typewriters and parts thereof. Europa Schreibmaschinen A. G. 282,644, renewed Apr. 28, 1951. O. G. Oct. 16.
Vending machines, Newspaper. News-O-Mat, Ltd. 549,606, Oct. 16; Serial No. 600,609, published July 3, 1951.
Vending or dispensing machine, Coin operated sandwich. Timm Industries, Inc. 549,549, Oct. 16; Serial No. 594,927, published July 3, 1951.
Vises, Bench. Wilton Tool Mfg. Co. 549,522, Oct. 16; Serial No. 590,044, published July 3, 1951.

CLASS 24

Apron duck and loop-edged tape and feed ribbons, to fit flatwork ironers, etc. R. Lally Co. 549,449, Oct. 16; Serial No. 575,736, published July 24, 1951.
Washing machines, Garment, and laundry drying machines. Appliance Manufacturing Company. 549,701, Oct. 16; Serial No. 611,733, published July 31, 1951.

CLASS 26

Pyrometer tubes, muffles. The Carborundum Company. 287,703, renewed Oct. 6, 1951. O. G. Oct. 16.

CLASS 28

Hollow ware, Sterling silver, and sterling silver flat ware. The Watson Company. 289,958, renewed Dec. 15, 1951. O. G. Oct. 16.
Imitations of precious stones. Oval Manufacturing Company, Inc. 544,862, July 10, 1951. Corrected. O. G. Oct. 16.

CLASS 32

Mattresses and cushions, Inflatable. Hedwin Corporation. 441,668, Dec. 21, 1948. Republished Oct. 16, 1951.

CLASS 34

Bath-furnaces, bath-heaters, benzin-stoves, etc. Aktiebolaget B. A. Hjorth & Co. 79,424, Sept. 6, 1910. Republished Oct. 16.
Steam heating and ventilating apparatus, etc. Warren Webster & Company. 84,148, re-renewed Nov. 7, 1951. O. G. Oct. 16.

CLASS 35

Tire and tube patching materials, Vehicle. The Shaler Company. 288,169, renewed Oct. 20, 1951. O. G. Oct. 16.

CLASS 37

Paper. Enso-Gutzeit Osakeyhtio. 287,327, renewed Sept. 22, 1951. O. G. Oct. 16.
Paper, Toilet. Golco Sanitary System, Inc. 342,769, Jan. 26, 1937. Republished Oct. 16.
Paper, Writing. Gilbert Paper Company. 289,819, renewed Dec. 8, 1951. O. G. Oct. 16.
Stencils, Duplicating. Frankel Carbon & Ribbon Company. 549,709, Oct. 16; Serial No. 569,954.

CLASS 38

Cartoons, Series of. The Associated Press. 289,405, renewed Nov. 24, 1951. O. G. Oct. 16.
Cartoons, Series of. The Associated Press. 289,714, renewed Dec. 1, 1951. O. G. Oct. 16.
Folders, Printed, floor plans, and maps. L. H. Weber. 549,717, Oct. 16; Serial No. 587,218.
Magazine. California Farmer. 549,711, Oct. 16; Serial No. 571,711.
Magazine. F. D. Thompson. 549,705, Oct. 16; Serial No. 523,625.
Magazines. Gravure Technical Association, Inc. 549,722, Oct. 16; Serial No. 594,456.
Publication. Industrial Laboratories Publishing Co. 549,725, Oct. 16; Serial No. 595,724.
Publication, Periodical. Laurel Publications. 549,729, Oct. 16; Serial No. 601,219.

CLASS 39

Boots and shoes, Leather. W. L. Douglas Shoe Co. 82,876, re-renewed Aug. 1, 1951. O. G. Oct. 16.
Coats and suits, Ladies'. Goldring Inc. 549,422, Oct. 16; Serial No. 567,260, published June 5, 1951.
Coats, sport suits, casual coats, etc., Men's sport. Hy-Grade Sportswear Co., Inc. 549,710, Oct. 16; Serial No. 570,303.
Girdles, garter belts, hose supporters, etc. The Warren Featherbone Company. 284,477, renewed June 30, 1951. O. G. Oct. 16.
Handkerchiefs. Brown Durrell Co. 82,959, re-renewed Aug. 8, 1951. O. G. Oct. 16.
Hats. The Crofut & Knapp Company. 288,679, Nov. 3, 1931. Republished Oct. 16.
Hose. Phoenix Knitting Works. 84,521, re-renewed Dec. 19, 1951. O. G. Oct. 16.
Hosiery. Combine Hosiery Corporation. 286,247, renewed Aug. 25, 1951. O. G. Oct. 16.
Hosiery. Signature Hosiery Company, Inc. 290,145, renewed Dec. 22, 1951. O. G. Oct. 16, 1951.
Outer garments, Men's, boys' and children's. Cohen, Goldman & Co., Inc. 289,918, renewed Dec. 15, 1951. O. G. Oct. 16.
Overalls. Alexander Bros. Co. 83,537, Sept. 26, 1911. Republished Oct. 16, 1951.
Pajamas, Men's. Excelsior Varsity Underwear Corporation. 284,551, renewed Sept. 1, 1951. O. G. Oct. 16.
Skirts and blouses, Girls', misses' and ladies'. Adelaar Bros., Inc. 549,732, Oct. 16; Serial No. 609,709.
Suits, overcoats, trousers, etc., Men's and boys'. Clothiers Corporation. 281,398, Mar. 17, 1931. Republished Oct. 16.
Sweaters and sport jackets. Bofinger & Klingler, Inc. 351,571, Nov. 2, 1937. Canceled Aug. 30, 1951. O. G. Oct. 16.
Underwear. Van Raalte Company, Inc. 290,050, renewed Dec. 22, 1951. O. G. Oct. 16.
Underwear, Ladies', misses', and children's woven and knitted. Ely & Walker Dry Goods Company. 285,426, renewed July 28, 1951. O. G. Oct. 16.
Underwear, Women's. Augusta Knitting Corporation. 286,286, renewed Aug. 25, 1951. O. G. Oct. 16.
Underwear, Women's. Augusta Knitting Corporation. 286,854, renewed Sept. 8, 1951. O. G. Oct. 16.

CLASS 40

Garter fasteners. A. Agbay. 549,712, Oct. 16; Serial No. 574,944.
Safety-pins. Marshall Field & Company. 83,997, Oct. 31, 1911. Republished Oct. 16.

CLASS 42

Fabrics in the piece and linen fabrics in the piece. The United Piece Dye Works. 549,526, Oct. 16; Serial No. 591,124, published July 17, 1951.
Fabrics in the piece and linen fabrics in the piece. The United Piece Dye Works. 549,527, Oct. 16; Serial No. 591,126, published July 17, 1951.
Fabrics in the piece and linen fabrics in the piece. The United Piece Dye Works. 549,528, Oct. 16; Serial No. 591,128, published July 17, 1951.
Fabrics in the piece, Textile. Burlington Mills Corporation. 549,547, Oct. 16; Serial No. 594,882, published July 17, 1951.
Fabrics in the piece, Textile. Burlington Mills Corporation. 549,686, Oct. 16; Serial No. 607,737, published July 17, 1951.
Fabrics in the piece, Textile. Hego Fabrics, Inc. 549,603, Oct. 16; Serial No. 600,539, published July 17, 1951.
Fabrics, Textile. Diane Export Co. 549,435, Oct. 16; Serial No. 571,410, published July 17, 1951.
Fabrics in the piece, Worsted. Herbert R. Leeds & Co., Inc. 549,569, Oct. 16; Serial No. 597,279, published July 17, 1951.
Piece goods. Bianchini, Ferier. 284,766, renewed July 7, 1951. O. G. Oct. 16.
Piece goods. Bianchini, Ferier. 289,447, renewed Nov. 24, 1951. O. G. Oct. 16.
Piece goods. S. Slater & Sons, Inc. 286,668, renewed Sept. 1, 1951. O. G. Oct. 16.
Piece goods, Cotton. Carson Pirie Scott & Co. 285,541, renewed July 28, 1951. O. G. Oct. 16.
Piece goods, Cotton. Stein-Tex, Inc. 549,726, Oct. 16; Serial No. 598,216.
Piece goods, Silk, Atuyer, Bianchini, Ferier & Co. 82,954, re-renewed Aug. 8, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,579, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,587–9, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,591, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,658, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,787–9, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,793–4, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 284,796, renewed July 7, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 285,157, renewed July 14, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 285,818, renewed Aug. 11, 1951. O. G. Oct. 16.
Piece goods, Woolen. Forstmann & Huffmann Company. 285,827, renewed Aug. 11, 1951. O. G. Oct. 16.
Tablecloths and napkins. Carlton Schaller & Co., Inc. 549,714, Oct. 16; Serial No. 579,947.

CLASS 44

Anoscopes and rectoscopes. Rectalist, Inc. 549,655, Oct. 16; Serial No. 604,127, published July 3, 1951.
Arch supports. Kom-Fut Arch Support Co., Inc. 288,352, renewed Oct. 27, 1951. O. G. Oct. 16.
Bottle holders, Infants'. P. G. Ridey. 549,461, Oct. 16; Serial No. 577,986, published July 3, 1951.
Certain toilet accessories for infants—namely, cotton-tipped applicators. Q-Tips, Inc. 549,581, Oct. 16; Serial No. 598,547, published July 3, 1951.
Dental abrading discs and strips. A. P. de Sanno, Jr. 549,611, Oct. 16; Serial No. 600,823, published July 3, 1951.
Files, Nail, tweezers, cuticle scissors, etc. Millers Forge Mfg. Corp. 549,586, Oct. 16; Serial No. 599,109, published July 17, 1951.
Hearing aid. L. E. Rosemond. 549,610, Oct. 16; Serial No. 600,739, published July 3, 1951.
Manicure sets. Northam Warren Corporation. 549,599, Oct. 16; Serial No. 600,363, published July 17, 1951.
Nursers and components thereof. The Pyramid Rubber Company. 549,434, Oct. 16; Serial No. 570,319, published July 3, 1951.
Otoscopes and components thereof. American Cystoscope Makers, Inc. 544,586, July 3, 1951. Corrected. O. G. Oct. 16.

Spoons and spatulas for surgical and pharmaceutical use. P. N. Waldesbühl. 533,327, Nov. 14, 1950. Corrected. O. G. Oct. 16.
Syringes and needles, Hypodermic. Will Ross, Inc. 549,513, Oct. 16; Serial No. 587,820, published June 26, 1951.
Teething implements. The Sun Rubber Company. 549,570, Oct. 16; Serial No. 597,638, published July 17, 1951.
Vagina cleansing or body cavity irrigating apparatus. Cole-Whit Co., Inc. 549,646, Oct. 16; Serial No. 603,836, published July 3, 1951.
X-ray apparatus. Westinghouse Electric Corporation. 549,636, Oct. 16; Serial No. 602,792, published June 26, 1951.

CLASS 46

Apples, Fresh. Skookum Packers Association. 549,703, Oct. 16; Serial No. 550,266, published July 10, 1951.
Baking powder. Monarch Chemical Company. 549,387, Oct. 16; Serial No. 550,057, published Jan. 2, 1951.
Biscuit dough, Prepared and packaged. Ready-to-Bake Foods Inc. 549,593, Oct. 16; Serial No. 599,589, published June 19, 1951.
Biscuits and pastry. Robert A. Johnston Company. 98,397, July 14, 1914. Republished Oct. 16.
Butter. Armour and Company. 549,362, Oct. 16; Serial No. 531,978, published June 19, 1951.
Butter. Challenge Cream & Butter Association. 286,346, renewed Aug. 25, 1951. O. G. Oct. 16.
Cake and candy. Swiss Kitchen. 549,512, Oct. 16; Serial No. 587,766, published June 5, 1951.
Cake, Coffee. Gordon Baking Company. 549,457, Oct. 16; Serial No. 576,581, published July 3, 1951.
Cakes and cookies. Farm Crest Bakeries, Inc. 549,511, Oct. 16; Serial No. 587,719, published July 24, 1951.
Candies. L. D. Baker. 549,589, Oct. 16; Serial No. 599,485, published June 5, 1951.
Candies and biscuits. Clarnico Limited. 549,413, Oct. 16; Serial No. 562,986, published June 12, 1951.
Candies, preserved and crystallized fruits, and biscuits. Clarnico Limited. 549,414, Oct. 16; Serial No. 562,987, published June 12, 1951.
Candies: preserves, condiments, etc. Palestine House, Inc. 374,376, Jan. 9, 1940. Republished Oct. 16.
Candy. E. J. Brach & Sons. 549,359, Oct. 16; Serial No. 513,802, published July 24, 1951.
Candy. W. H. Cole. 549,518, Oct. 16; Serial No. 588,276, published May 22, 1951.
Candy. Hollywood Brands, Inc. 549,545, Oct. 16; Serial No. 594,543, published May 1, 1951.
Candy. Jaffe Candy Co. 411,718, Jan. 30, 1945. Canceled Aug. 17, 1951. O. G. Oct. 16.
Candy. Mars, Incorporated. 549,436, Oct. 16; Serial No. 571,734, published Mar. 14, 1950.
Candy. Peerless Confection Company. 549,370–1, Oct. 16; Serial Nos. 542,159–60, published June 5, 1951.
Canned and frozen fish, etc. Reese of California, Inc. 544,981, July 10, 1951. Canceled Sept. 11, 1951. O. G. Oct. 16.
Canned applesauce. Safeway Stores, Incorporated. 549,424, Oct. 16; Serial No. 567,636, published July 25, 1950.
Canned cat food. Usen Canning Co. 549,643, Oct. 16; Serial No. 603,467, published July 24, 1951.
Canned chopped ham, corned beef hash, Vienna sausage, etc. Ready Foods Canning Corp. 549,517, Oct. 16; Serial No. 588,231, published May 29, 1951.
Canned citrus fruit juices and blends thereof, canned grapefruit, and canned tomato juice. Triple E Development Company. 549,426, Oct. 16; Serial No. 567,962, published June 12, 1951.
Canned citrus juices. Desert Citrus Products Association. 360,991, Oct. 4, 1938. Republished Oct. 16.
Canned crabmeat and tuna fish. Mitchel Beck Company, Inc. 549,597–8, Oct. 16; Serial Nos. 600,303–04, published June 5, 1951.
Canned dog food, canned tomato curee, tomato catsup, etc. Goodale & Co. 549,402, Oct. 16; Serial No. 557,127, published July 17, 1951.
Canned fish, canned vegetables, canned fruit, etc. H. Spitzer. 549,469, Oct. 16; Serial No. 580,103, published May 29, 1951.
Canned fruits and canned vegetables. Hollister Canning Company, Inc. 505,342, Jan. 4, 1949. Corrected. O. G. Oct. 16.
Canned fruits and canned vegetables. Hollister Canning Company, Inc. 521,719, Mar. 7, 1950. Corrected. O. G. Oct. 16.
Canned fruits and canned vegetables. Kings County Packing Company, Ltd. 549,628, Oct. 16; Serial No. 602,408, published July 10, 1951.
Canned fruits and vegetables, canned salmon, etc. Libby, McNeill & Libby. 549,396, Oct. 16; Serial No. 554,385, published May 29, 1951.
Canned fruits, canned vegetables, jams, etc. Smithfield's Pure Food Company, Inc. 549,465, Oct. 16; Serial No. 579,297, published July 31, 1951.
Canned kadota figs. Kings County Packing Company, Ltd. 549,629, Oct. 16; Serial No. 602,409, published July 3, 1951.
Canned meat and cereals for dogs. Chappel Bros., Inc. 285,884, renewed Aug. 11, 1951. O. G. Oct. 16.
Canned pineapple and canned pineapple juice. Hidalgo Distributing Company. 549,631, Oct. 16; Serial No. 602,556, published July 3, 1951.
Canned salmon. Fidalgo Island Packing Company. 290,172, renewed Dec. 22, 1951. O. G. Oct. 16.
Canned shrimp. R. Skrmetta. 549,614, Oct. 16; Serial No. 601,173, published June 5, 1951.
Canned vegetables. Bennett-Ray Canning Company. 549,674, Oct. 16; Serial No. 605,984, published July 31, 1951.
Canned vegetables. The Mississippi Valley Canning Co. 549,595–6, Oct. 16; Serial Nos. 600,182–3, published May 1, 1951.
Canned vegetables, all-purpose wheat flour, rice, coffee, etc. Newton Grocery Company, Inc. 549,443, Oct. 16; Serial No. 574,455, published June 26, 1951.
Cheese. Jack Greenberg, Inc. 549,612, Oct. 16; Serial No. 600,886, published June 5, 1951.
Chewing gum. American Chewing Products Corp. 549,571, Oct. 16; Serial No. 597,727, published June 5, 1951.
Chocolate, cocoa powder, and cocoa butter. A. N. Stollwerck, Inc. 549,494, Oct. 16; Serial No. 584,945, published July 24, 1951.
Cod fish, Salted cut and boneless. Gorton-Pew Fisheries Company, Ltd. 549,502, Oct. 16; Serial No. 585,793, published June 19, 1951.
Coffee. Atwood Coffee Company. 549,381, Oct. 16; Serial No. 546,167, published Jan. 16, 1951.
Confection, Frozen dairy. Frees-Maid Products. 549,428, Oct. 16; Serial No. 568,788, published June 26, 1951.
Cookies. Zion Industries, Inc. 549,437, Oct. 16; Serial No. 571,928, published May 22, 1951.
Cookies. Zion Industries, Inc. 549,441, Oct. 16; Serial No. 573,860, published May 29, 1951.
Cookies and crackers. Midwest Biscuit Company, Inc. 549,615, Oct. 16; Serial No. 601,270, published May 15, 1951.
Doughnuts. White Kitchen. 549,554, Oct. 16; Serial No. 595,583, published June 19, 1951.
Eggs. The Rhodes Ranch Egg Company. 288,388, Oct. 27, 1931. Republished Oct. 16.
Eggs, Fresh. The Fisher Brothers Company. 549,380, Oct. 16; Serial No. 545,976, published June 5, 1951.
Emulsion and margarine improving substances, Emulsol Corporation. 290,139, renewed Dec. 22, 1951. O. G. Oct. 16.
Feed, Scratch. New England Grain Products Co. 549,367, Oct. 16; Serial No. 537,345, published June 12, 1951.
Fish, shrimp, oysters, etc., Frozen fresh. Miami Sea Food Company. 549,531, Oct. 16; Serial No. 591,633, published Nov. 28, 1950.
Flour, Wheat. The Colorado Milling & Elevator Co. 549,389, Oct. 16; Serial No. 551,234, published May 29, 1951.
Flour, Wheat. The Colorado Milling & Elevator Co. 549,498, Oct. 16; Serial No. 585,429, published May 29, 1951.
Flour, Wheat, Majestic Flour Mill. 549,423, Oct. 16; Serial No. 567,320, published Feb. 21, 1950.
Flour, Wheat. The Quaker Oats Company. 549,415, Oct. 16; Serial No. 564,652, published June 12, 1951.
Flour, Wheat, pastry flour, pancake flour, etc. Jameson-Boyce Company, 285,127, renewed July 14, 1951. O. G. Oct. 16.
Food colors, non-alcoholic flavoring emulsions, etc. McCormick & Company, Inc. 549,551, Oct. 16; Serial No. 595,385, published July 31, 1951.
Food flavoring extracts, Non-alcoholic. Hallock-Denton Co. 549,491, Oct. 16; Serial No. 584,621, published July 17, 1951.
Food product. Armour and Company. 549,446, Oct. 16; Serial No. 574,881, published July 3, 1951.
Food product, Liquid. H. B. Hunter. 549,444, Oct. 16; Serial No. 574,658, published May 29, 1951.
Food product, Ready to eat. H. Read, Limited. 549,535, Oct. 16; Serial No. 592,782, published May 1, 1951.
Food seasoning preparation. Basic Food Materials, Inc. 549,583, Oct. 16; Serial No. 598,879, published May 29, 1951.
Foods, Cereal breakfast. Van Brode Milling Co., Inc. 549,553, Oct. 16; Serial No. 595,523, published May 1, 1951.
Fruit nectar. Otis, McAllister & Co. 549,573, Oct. 16; Serial No. 597,898, published June 5, 1951.
Fruits, Fresh citrus. Sequoia Citrus Association. 549,368, Oct. 16; Serial No. 537,743, published May 22, 1951.
Fruits, Fresh citrus. Yorba Orange Growers Association. 549,619, Oct. 16; Serial No. 601,857, published May 15, 1951.
Fruits, Fresh citrus, fresh deciduous fruits, fresh grapes, etc. Western Fruit Growers, Inc. 549,390, Oct. 16; Serial No. 551,350, published July 31, 1951.
Gelatins and gelatin desserts. Kosher Desserts, Inc. 394,054, Mar. 17, 1942. Republished Oct. 16.
Gift packages of fresh apples or of fresh pears. Richey & Gilbert Company. 549,663, Oct. 16; Serial No. 604,931, published July 10, 1951.
Ham, Cured, red pepper and paprika coated. Plymouth Rock Provision Co., Inc. 549,642, Oct. 16; Serial No. 603,251, published June 12, 1951.
Ice cream. The Jersey Ice Cream Products Corporation. 284,328, renewed June 23, 1951. O. G. Oct. 16, 1951.

Ice cream. State Dairy Products Company. 549,421, Oct. 16; Serial No. 567,052, published June 12, 1951.
Ice cream, frozen custard, and ices. Milgram Food Stores, Inc. 549,548, Oct. 16; Serial No. 594,913, published July 24, 1951.
Lard. Armour and Company. 549,373, Oct. 16; Serial No. 543,393, published May 22, 1951.
Lard. John Morrell & Company. 288,293, renewed Oct. 20, 1951. O. G. Oct. 16.
Macaroni and spaghetti. Hunt Foods, Inc. 549,678, Oct. 16; Serial No. 606,190, published July 10, 1951.
Malt syrup, dried mushrooms, canned mushrooms, etc. Sokol & Company. 549,420, Oct. 16; Serial No. 565,527, published June 26, 1951.
Mayonnaise dressing, salad dressing, French dressing, etc. J. A. Ortell. 549,438, Oct. 16; Serial No. 572,681, published May 22, 1951.
Meat, Chopped frozen horse. C. Miller. 549,505, Oct. 16; Serial No. 586,492, published July 10, 1951.
Milk and cream. Beatrice Creamery Company. 285,893, renewed Aug. 11, 1951. O. G. Oct. 16.
Milk drink, Chocolate flavored. Rochester Dairy Cooperative. 549,621, Oct. 16; Serial No. 602,124, published July 3, 1951.
Milk, Fluid. The Borden Company. 549,620, Oct. 16; Serial No. 602,119, published June 26, 1951.
Nuts, Salted. The Kelling Nut Co. 549,635, Oct. 16; Serial No. 602,701, published July 10, 1951.
Nuts, Salted, and nut meats. The Kelling Nut Co. 549,616, Oct. 16; Serial No. 601,441, published July 24, 1951.
Paprika. Gentry, Incorporated. 549,608, Oct. 16; Serial No. 600,960, published June 26, 1951.
Peanut butter sandwiches. Taylor Food Company. 549,624, Oct. 16; Serial No. 602,230, published June 19, 1951.
Pecan meats, Sugar coated. C. E. Behr. 549,590, Oct. 16; Serial No. 589,488, published May 22, 1951.
Pecans, Unshelled. Georgia Pecan Company. 549,490, Oct. 16; Serial No. 584,618, published July 10, 1951.
Pectin preparation. W. M. McNabb. 549,716, Oct. 16; Serial No. 586,417.
Pepper sauce. McIlhenny Company. 285,491, renewed July 28, 1951. O. G. Oct. 16.
Pickles and pickle relish. Foods, Incorporated. 549,625, Oct. 16; Serial No. 602,255, published July 10, 1951.
Potatoes. A. A. Corte & Sons. 549,404, Oct. 16; Serial No. 558,353, published July 24, 1951.
Poultry mash. General Mills, Inc. 549,450, Oct. 16; Serial No. 575,755, published July 24, 1951.
Preparation for making custards. Flan Company. 549,416, Oct. 16; Serial No. 565,152, published Mar. 14, 1950.
Preparations for making pie fillings and puddings. Good Luck Food Co., Inc. 549,468, Oct. 16; Serial No. 579,537, published July 24, 1951.
Product comprising malt, cocoa, and other ingredients. R. B. Davis Company. 549,376, Oct. 16; Serial No. 544,062, published June 12, 1951.
Raisins. Fowel Bros. Packing Company. 549,543, Oct. 16; Serial No. 594,314, published June 5, 1951.
Raisins, dried zante currants and dried black grapes. Pacific Raisin Company, Inc. 549,372, Oct. 16; Serial No. 542,573, published June 5, 1951.
Rice. Adolphus Rice Mills, Inc. 549,638, Oct. 16; Serial No. 602,561, published June 5, 1951.
Salad oil. The Procter & Gamble Company. 549,375, Oct. 16; Serial No. 543,986, published July 10, 1951.
Sandwiches. Little Tavern Shops, Inc. 549,509, Oct. 16; Serial No. 586,924, published May 29, 1951.
Sandwiches; cooked vegetables; macaroni; etc. Horn and Hardart Baking Company. 549,429, Oct. 16; Serial No. 568,949, published June 12, 1951.
Sausages, Simulated. Penton Laboratories, Inc. 549,530, Oct. 16; Serial No. 591,379, published June 19, 1951.
Shortening, Vegetable. Vegetable Oil Products Company, Inc. 549,728, Oct. 16; Serial No. 600,709.
Shrimp, Frozen. Pesquera e Industrializadora de Guaymas, S. A. 549,539, Oct. 16; Serial No. 593,435, published June 12, 1951.
Shrimp, Frozen. Pesquera e Industrializadora de Guaymas, S. A. 549,540, Oct. 16; Serial No. 593,436, published June 5, 1951.
Soy bean meal and soy bean pellets. Wilson Soya Corporation. 549,544, Oct. 16; Serial No. 594,418, published July 26, 1951.
Strawberries, Fresh. Central California Berry Growers Association. 549,495, Oct. 16; Serial No. 585,314, published May 29, 1951.
Vegetables and fruits, Fresh. H. C. Bergart Co. 549,503, Oct. 16; Serial No. 585,989, published July 10, 1951.
Vegetables, Fresh. R. A. Bush. 549,475, Oct. 16; Serial No. 581,117, published July 24, 1951.
Vegetables, Fresh. W. W. Miller. 549,622, Oct. 16; Serial No. 602,159, published June 5, 1951.
Vegetables, Fresh. Parks & Brock. 549,669, Oct. 16; Serial No. 605,605, published July 24, 1951.
Vegetables, Fresh. A. M. Seckbach & Company. 444,580, Oct. 16; Serial No. 521,410, published Dec. 14, 1948.
Wheat-flour. Ballard & Ballard Co. 549,541, Oct. 16; Serial No. 593,461, published June 5, 1951.
Wheat, Puffed, and puffed rice. The Quaker Oats Company. 549,523-4, Oct. 16; Serial No. 590,388-9, published June 5, 1951.
Whey products. Stock-Gro., Inc. 549,439, Oct. 16; Serial No. 573,343, published July 31, 1951.

CLASS 51

Bath bubbling and perfuming compounds. Schratz Products. 549,682, Oct. 16; Serial No. 606,494, published July 3, 1951.
Cosmetics. Adèle Dulèn, Inc. 549,364, Oct. 16; Serial No. 533,718, published June 26, 1951.
Face creams. S. A. Lancome. 549,459, Oct. 16; Serial No. 577,272, published June 26, 1951.
Face powder. The Andrew Jergens Company. 549,466, Oct. 16; Serial No. 579,328, published June 26, 1951.
Hair and beard preparations. The J. B. Williams Company. 37,452, re-renewed Dec. 10, 1951. O. G. Oct. 16.
Hair rinses and dyes. G. J. Roggenbuck. 549,384, Oct. 16; Serial No. 548,611, published July 3, 1951.
Liquid preparation for the feet and a greaseless preparation for the skin. United Laboratories, Inc. 290,016, renewed Dec. 22, 1951. O. G. Oct. 16.
Nail polish and perfume. S. Henry. 398,953, Dec. 8, 1942. Canceled Aug. 30, 1951. O. G. Oct. 16.
Perfume. R. Hudnut. 435,716, Jan. 6, 1948. Canceled Aug. 17, 1951. O. G. Oct. 16.
Perfumes. The Andrew Jergens Company. 288,494, renewed Oct. 27, 1951. O. G. Oct. 16.
Perfumes. Lee Mortimer, Inc. 549,385, Oct. 16; Serial No. 549,565, published June 26, 1951.
Perfumes. Jean Patou, Inc. 290,189, renewed Dec. 22, 1951. O. G. Oct. 16.
Preparation used as a skin bleach. Galenol Company. 549,398, Oct. 16; Serial No. 555,170, published July 3, 1951.
Toilet water, eaux de cologne and skin lotions. Lancome, S. A. 549,451, Oct. 16; Serial No. 575,913, published July 3, 1951.

CLASS 52

Chemical compound. Camp Chemical Company, Inc. 549,463, Oct. 16; Serial No. 579,081, published July 17, 1951.
Cleaners and detergents. Calgon, Incorporated. 549,515, Oct. 16; Serial No. 588,002, published July 17, 1951.
Cleaning compound. H. Butters. 549,471, Oct. 16; Serial No. 580,820, published July 17, 1951.
Cleaning compound, Hand. Puritan Company, Incorporated. 549,525, Oct. 16; Serial No. 590,779, published July 17, 1951.
Cleaning compounds, Floor. Attapulgus Clay Company. 549,430, Oct. 16; Serial No. 569,586, published July 17, 1951.
Cleaning fluid, and cleansing cream. Milo Harding Company. 549,410, Oct. 16; Serial No. 562,654, published July 17, 1951.
Compound used as a flux for removing dross from type metal. Imperial Type Metal Company. 290,008, renewed Dec. 22, 1951. O. G. Oct. 16.
Degreasing compounds. Phillips Manufacturing Co. 549,445, Oct. 16; Serial No. 574,859, published July 17, 1951.
Detergent. The Pennsylvania Salt Manufacutring Company. 549,448, Oct. 16; Serial No. 575,291, published July 17, 1951.
Detergent preparation. Physicians and Hospitals Supply Company, Inc. 549,564, Oct. 16; Serial No. 596,188, published July 17, 1951.
Detergent, Synthetic. Fischer Industries, Inc. 549,361, Oct. 16; Serial No. 527,424, published Jan. 27, 1948.
Penetrating or wetting agent. Diamond Alkali Company. 549,472, Oct. 16; Serial No. 580,828, published July 17, 1951.
Powder for cleaning and scouring purposes. Bray Chemical Co., Inc. 408,469, Aug. 15, 1944. Canceled Aug. 24, 1951. O. G. Oct. 16.
Preparation for cleaning automobile bodies. "X" Laboratories, Inc. 549,479, Oct. 16; Serial No. 581,749, published July 17, 1951.
Shampoo, Cream oil. J. Cohan. 549,727, Oct. 16; Serial No. 599,551.
Soap. Barclay & Barclay. 83,630, re-renewed Oct. 3, 1951. O. G. Oct. 16.
Soap, Toilet. Middlebrooke Lancaster, Inc. 444,582, Oct. 16; Serial No. 519,284, published July 17, 1951.
Spot remover. Patek and Co. 549,519, Oct. 16; Serial No. 588,320, published July 17, 1951.
Stain removers. Best Effect Chemical Co., Inc. 549,713, Oct. 16; Serial No. 579,012.
Tack rags. Harding Manufacturing Co. Inc. 549,409, Oct. 16; Serial No. 562,469, published July 17, 1951.

CLASS 102

General insurance brokerage. F. J. Summer. 549,734, Oct. 16; Serial No. 563,572.

CLASS 106

Custom molding. Waterbury Companies, Incorporated. 549,733, Oct. 16; Serial No. 550,634.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Federal Telecommunication Laboratories, Inc., assignee: *See*—
Ransom, David H.
Graver Tank Mfg. Co., Inc., assignee: *See*—
Prager, Frank D., and Ulm.
Kinnear, Clarence W., Houston, Tex. Drill. Re. 23,416, Oct. 16.
Patent Development Company, assignee: *See*—
Whisler, Ralph H., Jr.
Prager, Frank D., Chicago, Ill., and R. C. Ulm, Schererville, Ind., assignors to Graver Tank & Mfg. Co., Inc. Center-weighted floating roof. Re. 23,417, Oct. 16.
Ransom, David H., Paterson, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Signaling arrangement for electronic switching systems. Re. 23,418, Oct. 16.
Stace, Walter L., Indianapolis, Ind. Chuck. Re. 23,419, Oct. 16.
Ulm, Reign C.: *See*—
Prager, Frank D., and Ulm.
Weston, Clarence J., deceased, by W. J. and H. A. Weston, Des Moines, Iowa, assignees by decree of distribution. Material hauling and dispensing vehicle. Re. 23,420, Oct. 16.
Weston, H. Allen, assignee: *See*—
Weston, Clarence J.
Weston, Wilma J., assignee: *See*—
Weston, Clarence J.
Whisler, Ralph H., Jr., assignor to Patent Development Company, Monroe, Mich. Shock absorber. Re. 23,421, Oct. 16.

LIST OF DESIGN PATENTEES

Baker, George A., Walnut Park, Calif., assignor to M. Weil. Plate or similar article. 164,836, Oct. 16.
Barnhart, Adam B., New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine cabinet. 164,837, Oct. 16.
Beavers, Patrick D., assignee: *See*—
Thompson, Doris M.
Bergner, John C., Lansdowne, Pa. Lady's stocking. 164,838, Oct. 16.
Bergner, John C., Lansdowne, Pa. Lady's stocking. 164,839, Oct. 16.
Blumenfeld, Louis L., Newark, N. J. Belt or similar article. 164,840, Oct. 16.
Bolton, John W., Vancouver, Wash. Fish lure. 164,841, Oct. 16.
Brown, Walter O., Detroit, Mich. Handle for a kitchen utensil. 164,842, Oct. 16.
Burnelli, Vincent J., Great Neck, N. Y. Airplane. 164,843, Oct. 16.
Campbell Chain Company, assignee: *See*—
Edelblute, Thomas H.
Chalk, Benjamin, New York, N. Y. Coat. 164,844, Oct. 16.
Chernow, Michael, New York, N. Y. Necklace or similar article. 164,845, Oct. 16.
Currie, Margaret F., Manhasset, N. Y. Hair curler. 164,846, Oct. 16.
Dictaphone Corporation, assignee: *See*—
Lapteff, Alexis V.
Doman, Donald W.: *See*—
Haman, Ralph W., and Girardy, and Doman.
Dronoff, Jean, Watertown, Conn. Shoe. 164,847, Oct. 16.
Edelblute, Thomas H., Reynoldsville, assignor to Campbell Chain Company, York, Pa. Stop block. 164,848, Oct. 16.
Ekco Products Company, assignee: *See*—
Wagner, Franz.
Faltin, Hans G., York, Pa. Traffic light indicator. 164,849, Oct. 16.
Ferar, Montgomery, Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn. Refrigerator door. 164,850, Oct. 16.
Gass, Walter S., Seward, Nebr. Combination desk and buffet. 164,851, Oct. 16.
Gibson, Martha D., assignee: *See*—
Gibson, Otto S.
Gibson, Otto S., assignor of thirty-three one-hundredths to B. A. Rademacher and thirty-three one-hundredths to M. D. Gibson, Butte, Mont. Holy-water dispenser. 164,852. Oct. 16.
Girardy, Alfred B.: *See*—
Haman, Ralph W., and Girardy, and Doman.
Gross, Sally, and H. Stern, New York, N. Y. Child's costumer. 164,853, Oct. 16.
Gruber, Abe, New York, N. Y. Coat. 164,854, Oct. 16.
Gruber, Abe, New York, N. Y. Coat. 164,855, Oct. 16.
Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Building panel or the like. 164,856, Oct. 16.
Hempstead, Willie, Los Angeles, Calif. Lamp base. 164,857, Oct. 16.
Henry, Aline, assignor to Topper Formals, Inc., New York, N. Y. Dress. 164,858, Oct. 16.
Henry, Aline, assignor to Topper Formals, Inc., New York, N. Y. Dress ensemble. 164,859, Oct. 16.
Higginson, George J., Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Stoke-on-Trent, England. Plate or similar article. 164,860, Oct. 16.
Ingard, Karl U., Newton Center, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Whistle or similar article. 164,861, Oct. 16.
Johnson Bros. (Hanley) Limited, assignee: *See*—
Higginson, George J.
Johnson, Harold C., Downey, Calif. Combination playing card and canasta tray and case, or similar article. 164,862, Oct. 16.
Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen or similar article. 164,863, Oct. 16.
Kahn, David, Inc., assignee: *See*—
Kahn, David.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,864. Oct. 16.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,865, Oct. 16.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,866, Oct. 16.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,867, Oct. 16.
L'Anglais, Pascal, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,868, Oct. 16.
Lapteff, Alexis V., Jackson Heights, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn. Hand microphone for dictating machines. 164,869, Oct. 16.
Lionel Corporation, The, assignee: *See*—
Pettit, Frank.
MacFadden, Glenn E., Rocky River, Ohio. Light shade. 164,870, Oct. 16.
MacFadden, Glenn E., Rocky River, Ohio. Light shade. 164,871, Oct. 16.
Mallory, Jerry T., Columbus, Ohio. Combined wash basin and cabinet. 164,872, Oct. 16.
Manning, Maxwell & Moore, Incorporated, assignee: *See*—
Ingard, Karl U.
Melville, Joseph, Long Beach, N. Y. Man's shirt or similar article. 164,873, Oct. 16.
Mitchell, Livia, New York, N. Y. Comb. 164,874, Oct. 16.
Onondaga Pottery Company, assignee: *See*—
L'Anglais, Pascal.
Perez, Jose B., Habana, Cuba. Shelf for holding toilet articles. 164,875, Oct. 16.
Pettit, Frank, Union, N. J., assignor to The Lionel Corporation, New York, N. Y. Combined car and platform for toy railroad. 164,876, Oct. 16.
Peyton, William T., Dallas, Tex. Lading stabilizer or similar article. 164,877. Oct. 16.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Haman, Ralph W., and Girardy, and Doman.

Rademacher, Bruce A., assignee: *See*—
Gibson, Otto S.
Roth, Irving, New York, N. Y. Dress. 164,878, Oct. 16.
Roth, Irving, New York, N. Y. Dress. 164,879, Oct. 16.
Roth, Irving, New York, N. Y. Dress. 164,880, Oct. 16.
Roth, Karl M., Modesto, Calif. Barbecue unit. 164,881, Oct. 16.
Scarry, Joseph T., Summit, N. J. Pitcher. 164,882, Oct. 16.
Schmid, Byron C., Washington, D. C. Racket for table tennis. 164,883, Oct. 16.
Sebel, Harry, Finchley, London, England. Toy simulating a canoe with paddlers. 164,884, Oct. 16.
Seeger Refrigerator Company, assignee: *See*—
Ferar, Montgomery.
Singer Manufacturing Company, The, assignee: *See*—
Barnhart, Adam B.
Stern, Henrietta: *See*—
Gross, Sally, and Stern.
Thompson, Doris M., Arlington, Va., assignor of one-half to P. D. Beavers, Washington, D. C. Combination picture holder and paper weight. 164,885, Oct. 16.
Topper Formals, Inc., assignee: *See*—
Henry, Aline.
United China and Glass Co., assignee: *See*—
Zeisel, Eva S.
Versen, Kurt, Tenafly, N. J. Table lamp. 164,886, Oct. 16.
Wagner, Franz, assignor to Ekco Products Company, Chicago, Ill. Knife or similar article. 164,887, Oct. 16.
Wallau, Alex L., New York, N. Y. Combined slipper and sox. 164,888, Oct. 16.
Weil, Max, assignee: *See*—
Baker, George A.
Weissman, Harry, New Hyde Park, N. Y. Brace for a spectacle temple or similar article. 164,889, Oct. 16.
Zeisel, Eva S., New York, N. Y., assignor to United China and Glass Co., New Orleans, La. Platter. 164,890, Oct. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories, assignee: *See*—
March, Bernice, and Moore.
Wilk, Immanuel J., and Spielman.
Ackles, Virgil E., Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y. Tray delivery mechanism. 2,571,646, Oct. 16.
Acme Steel Company, assignee: *See*—
Spiller, William R., and Barley.
Acrea, Clarence D., Willcox, Ariz. Watch movement holder. 2,571,176, Oct. 16.
Adams, Thomas O., New Philadelphia, Ohio. Sweeping device. 2,571,647, Oct. 16.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Altschul, Aaron M., Condon, and Lambou.
Benedict, Robert G.
Agudo, Francisco F., Madrid, Spain. Faucet. 2,571,327, Oct. 16.
Ainsworth Manufacturing Corporation, assignee: *See*—
Potter, Albert T.
Air Reduction Company, Incorporated, assignee: *See*—
Hutt, Arthur R.
Aird, John K., Baltimore, Md. Columned game board. 2,571,403, Oct. 16.
Aktiebolaget Atvidabergs Industrier, assignee: *See*—
Lidin, Sigfrid E.
Aktiebolaget Linderoths Patenter, assignee: *See*—
Blomén, Torsten.
Aldinger, Edward L., Jr., Cincinnati, Ohio. Combination fishing line and bobber. 2,571,808, Oct. 16.
Aldred, John L., Jr.: *See*—
Willey, Elmer R., and Aldred.
Alexander, Allen L., and P. King, Washington, D. C. Antifouling composition. 2,571,094, Oct. 16.
Alexander, David B., Pottstown, Pa. Centrifugal pump and turbine reversible fluid transmission. 2,571,179, Oct. 16.
Allen, James B., Prineville, Oreg. Power swung log turner. 2,571,177, Oct. 16.
Allen, Richard E., assignee: *See*—
Greenwood, Walter.
Allen, William M., Glendale, assignor to S. B. Merrill, Cincinnati, Ohio. Selective bell clapper silencer. 2,571,178, Oct. 16.
Allied Chemical & Dye Corporation, assignee: *See*—
Otto, Julian A., and Gilbert.
Altman, Peter, assignor to Continental Motors Corporation, Detroit, Mich. Power unit. 2,571,404, Oct. 16.
Altosino, John A., Chicago, Ill. Mute for musical instruments. 2,571,809, Oct. 16.
Altschul, Aaron M., M. Z. Condon, and M. G. Lambou, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Prevention of deterioration in seeds. 2,571,095, Oct. 16.
American Broach & Machine Company, assignee: *See*—
Lofgren, Charles O.
American Can Company, assignee: *See*—
Hoffman, Ernest.
American Cyanamid Company, assignee: *See*—
Bernstein, Seymour, and Sax.
Carnes, Joseph J.
Marsh, Nat H.
Marson, Harry W.
Upham, Sidney D., and Reed.
American Machine and Metals, Inc. assignee: *See*—
Buss, Benjamin A.
American Optical Company, assignee: *See*—
Gilden, Maurice T.
Jardon, Fritz W.
Meyer, Edgar J.
American Steel Foundries, assignee: *See*—
O'Hern, Maurice D.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
American Transformer Co., assignee: *See*—
Castenschiold, René.
American Viscose Corporation, assignee: *See*—
Conti, John D.
Craver, Augustus E.
Ljunggren, Thor H.
Ames, Robert G., assignor of one-half to G. W. Williams and one-fourth to S. Ames, Burlingame, Calif. Finishing tool. 2,571,096, Oct. 16.
Ames, Stanley, assignee: *See*—
Ames, Robert G.
Ammerman, Cecil L., Minneapolis, Minn. Ventilator. 2,571,513, Oct. 16.
Anderson, Olof V., Cowesett, R. I., assignor to Anson Incorporated. Tie holder. 2,571,097, Oct. 16.
Andresen, John H., Jr., Greenwood Lake, assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y. Rotary electrical transmitter. 2,571,810, Oct. 16.
Andrews, Edward F., Chicago, Ill. Portable electro-acoustical apparatus. 2,571,514, Oct. 16.
Andrews, Norman F., assignor to Deere & Company, Moline, Ill. Harvester gatherer. 2,571,811, Oct. 16.
Anson Incorporated, assignee: *See*—
Anderson, Olof V.
Anthony, Alfred A., Rye, N. Y. Toy with displaceable elements in transparent enclosure. 2,571,405, Oct. 16.
Antonevich, Michael: *See*—
Crawford, Alfred, and Antonevich.
Archer, Sydney, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Preparing iodinated amino benzoylamino alkanoic acids. 2,571,515, Oct. 16.
Areson, Carl W.: *See*—
Hanners, Harvey W., and Areson.
Armco Steel Corporation, assignee: *See*—
Bissell, Herbert O.
Armour and Company, assignee: *See*—
Vander Wal, Robert J., and Van Akkeren.
Armstrong, Edward T., Columbus, assignor, by mesne assignments, to Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Seal for fluid containers. 2,571,817, Oct. 16.
Armstrong, George C., Buffalo, and R. T. Basnett, Kenmore, N. Y., and D. E. Beaver, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermostatic overload relay. 2,571,812, Oct. 16.
Armstrong, Victor C., Short Hills, N. J., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,571,648, Oct. 16.
Arnold, Fred J., assignor to Illinois Fannie May Candy Company, Chicago, Ill. Candy package and preserving candy. 2,571,516, Oct. 16.
Arnold, Grace, executrix: *See*—
Arnold, John W.
Arnold, John W. deceased; by G. Arnold, executrix, San Francisco, Calif., assignor by decree of distribution to G. Arnold. Lubricator with adjustable oil feeder for pneumatic tools. 2,571,098, Oct. 16.
Arrow-Hart & Hegman Electric Co., The, assignee: *See*—
Gates, Frederic P.
Arth, Glen E.: *See*—
Harris, Stanton A., Mosingo, Arth, and Folkers.
Arthur, Paul, Jr., and B. C. Pratt, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrocyanation of conjugated diolefinic compounds. 2,571,099, Oct. 16.
Arthur, Richard P., assignor to Kellogg Swithboard and Supply Company, Chicago, Ill. Telephone finger wheel support. 2,571,649, Oct. 16.
Attorney General of the United States, vested in the: *See*—
Robin, Leo, and van Roggen.
Atwood, John B., Riverhead, N. Y., assignor to Radio Corporation of America. Peak-reading tuning indicator. 2,571,650, Oct. 16.
Audio Devices, Inc., assignee: *See*—
Haynes, Bryce.
Augustin, Jean, assignor to Compagnie Industrielle de Credit, Paris, France. Vulcanisable rubber mixes and vulcanised rubber products made therefrom. 2,571,100, Oct. 16.
Austin, Clarence L., Morrison, Ill. Hog ringer. 2,571,813, Oct. 16.
Austin, Leslie W.: *See*—
Hicks, James C., and Austin.
Austin, Leslie W., San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Magnesia refractory. 2,571,101, Oct. 16.
Austin, Leslie W., San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Magnesia refractory materials. 2,571,102, Oct. 16.
Automatic Electric Laboratories, Inc., assignee: *See*—
Jones, Roy W.
Auto-Soler Company, The, assignee: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.
Avco Manufacturing Corporation, assignee: *See*—
Nave, Alfred E.

Aycock, Hugh, Phoenix, Ariz. Laterally rocking type tire removing hand tool. 2,571,517, Oct. 16.

B. H. B. Mfg. Co. Inc., assignee: *See*—
Boel, Henry C., and Hallberg.

Babcock & Wilcox Company, The, assignee: *See*—
Norton, Charles L., Jr.

Bacher, Frederick A.: *See*—
Trenner, Nelson R., and Bacher.

Baker Bros. Inc., assignee: *See*—
Hallenbeck, Thomas L.

Baker, John C., East Cleveland, assignor, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio. Cleaning metal articles of adherent rubber and the like. 2,571,328, Oct. 16.

Baker, Vera P., San Francisco, Calif. Combined ironing board and clamp. 2,571,518, Oct. 16.

Balduzzi, Franco, Zurich, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland. Method of and apparatus for growing crystals. 2,571,651, Oct. 16.

Baldwin Company, The, assignee: *See*—
Knoblaugh, Armand F., and Jordan.

Baldwin, Edward T., River Forest, assignor to Teletype Corporation, Chicago, Ill. Vertical tabulation mechanism for telegraph printers. 2,571,182, Oct. 16.

Ball, Charles F., and J. W. Woolf, Franklin, Pa., assignors to Joy Manufacturing Company. Steering operated control mechanism for electric motor drives of vehicles. 2,571,180, Oct. 16.

Ball, Lucy M., Pasadena, Calif. Crib cover. 2,571,406, Oct. 16.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Carburetor control. 2,571,181, Oct. 16.

Banton, Albert W., Jr., and P. E., Yorktown, Va. Track ballasting. 2,571,183, Oct. 16.

Banton, Paul E.: *See*—
Banton, Albert W., Jr., and P. E.

Barber, Franklin D., Flossmor, assignor to Standard Car Truck Company, Chicago, Ill. Stabilized car truck. 2,571,519, Oct. 16.

Barker, Lloyd M.: *See*—
Newton, Fred P., and Barker.

Barley, Leo H.: *See*—
Spiller, William R., and Barley.

Barnes, Fred N., Durango, Colo. Making bullets. 2,571,520, Oct. 16.

Barney, Freeman: *See*—
Lee, James E., and Barney.

Barnhart, Richard L., Elisabethtown, Pa. Marble runway. 2,571,521, Oct. 16.

Barrett, Harold G.: *See*—
Reynolds, Milton, and Barrett.

Basnett, Robert T.: *See*—
Armstrong, George C., Basnett, and Ellis.

Bass, Lloyd A., Crawford, Nebr. Straw gatherer and chopper. 2,571,652, Oct. 16.

Bastien, Victor G., New York, N. Y. Syringe. 2,571,653, Oct. 16.

Bata, narodni podnik, assignee: *See*—
Václavík, Jaroslav.

Bateman, Ralph C., and B. J. Schnitzer, assignors to Goodyear Aircraft Corporation, Akron, Ohio. Zigzag spring seat. 2,571,184, Oct. 16.

Bates, Clifford V., Chicago, Ill. Period timing mechanism. 2,571,185, Oct. 16.

Bauer, Joseph J., Tracy, Calif. Planter supporting implement. 2,571,407, Oct. 16.

Baxter, Frederic L., Jr., Pound Ridge, N. Y., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Lens mount. 2,571,186, Oct. 16.

Baxter, Frederic L., Jr., New Canaan, assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Lens mount. 2,571,187, Oct. 16.

Beard, Lee R., R. E. Seely, and G. C. Holdgreve, Fort Wayne, Ind., assignors to General Electric Company. Combination line switch, starting switch, and overload for electric motors. 2,571,654, Oct. 16.

Beare, Charles H., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for mixing rubber compounds and the like. 2,571,655, Oct. 16.

Beck, Edward F. W., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lightning arrester. 2,571,814, Oct. 16.

Beech-Nut Packing Company, assignee: *See*—
Warren, Minton W.

Beeson, Eric J. G., Southwell, and P. Shepherd, Rugby, England, assignors to General Electric Company. Magnetic control of high pressure arc lamp. 2,571,522, Oct. 16.

Belcher, Daniel, and H. V. Kindseth, assignors to Bemis Bro. Bag Company, Minneapolis, Minn. Bag sealing machine. 2,571,103, Oct. 16.

Bell Aircraft Corporation, assignee: *See*—
Meredith, Frank D., and Hunsinger.

Bell, Alan, and K. C. Brannock, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparing phosphoric acid esters. 2,571,656, Oct. 16.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Carbrey, Robert L.
Ruggles, David M., and Warner.
Stoller, Hugh M.
Vroom, Edward.

Bemis Bro. Bag Company, assignee: *See*—
Belcher, Daniel, and Kindseth.

Bendix Aviation Corporation, assignee: *See*—
Gilbert, Samuel.
Konet, Henry.
Price, Harold W., and Hupp.
Segall, Louis H.
Spengler, Walter J., and Roloson.
Tognola, Tullio.

Benedict, Robert G., Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture. Polymyxin production. 2,571,104, Oct. 16.

Bennett, Harold F., assignor to Eastman Kodak Company, Rochester, N. Y. Catadioptric lens system. 2,571,657, Oct. 16.

Bennett, Ralph M., New Bedford, assignor to Kilburn Mill, Briston County, Mass. Adjustable magazine creel for knitting machines. 2,571,523, Oct. 16.

Bennett, William H., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Multiple area piston means. 2,571,658, Oct. 16.

Benoit, Edouard L.: *See*—
Benoit, Remi A. and E. L.

Benoit, Remi A. and E. L., New York, N. Y. Apparatus for and method of drying. 2,571,815, Oct. 16.

Benson, Norman A., Akron, Ohio. Device for the examination of postage stamps. 2,571,188, Oct. 16.

Berg, Clyde H. O., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Adsorption process. 2,571,329, Oct. 16.

Bergstein, Samuel, Cincinnati, Ohio. Egg container and making it. 2,571,408, Oct. 16.

Bergström, Knut E., Stockholm, Sweden. Clamp. 2,571,659, Oct. 16.

Bernini, Giuseppe: *See*—
Butturini, Luigi, and Bernini.

Bernstein, Seymour, and K. J. Sax, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Δ5,7-androstadienolones and process. 2,571,330, Oct. 16.

Bersche, Fridolin E., Waterloo, assignor of forty-nine per cent to R. L. Jacobs, Jacksonville, Ill. Jeweler's vice. 2,571,189, Oct. 16.

Bertram, Simon H.: *See*—
Dobbelman, Petrus B. H. M., and Bertram.

Bettan, Martin, Brooklyn, N. Y., assignor to Multenna Corporation, Philadelphia, Pa. Multiple antenna system for television. 2,571,660, Oct. 16.

Beyers, Meredith, and J. A. Sadony, Montague, assignors to Continental Motors Corporation, Muskegon, Mich. Metal defect testing method. 2,571,409, Oct. 16.

Bickel, Forrest F. and K. M., Farmersville, Ohio. Combination pump and power take-off. 2,571,105, Oct. 16.

Bickel, Kenneth M.: *See*—
Bickel, Forrest F., and K. M.

Bing, Herbert A., and C. W. Pribus, assignors to Eastman Kodak Company, Rochester, N. Y. Film winding and shutter tensioning mechanism. 2,571,661, Oct. 16.

Birckhead, Taylor A., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Tetrode keying system. 2,571,816, Oct. 16.

Birmingham Small Arms Company Limited, The, assignee: *See*—
Goldschmidt, Rudolf, and Wood.

Bissell, Herbert O., Hamilton, assignor to Armco Steel Corporation, Middletown, Ohio. Material handling apparatus. 2,571,524, Oct. 16.

Black, John O., Detroit, Mich. Vertical screw aircraft. 2,571,662, Oct. 16.

Blackhawk Mfg. Co., assignee: *See*—
Pfauser, Edward M., and Mandl.

Blakeborough, J., & Sons, Limited, assignee: *See*—
Boyd, William.

Blattner, Emil H., Buffalo, assignor to The Symington-Gould Corporation, Depew, N. Y. Resilient side bearing. 2,571,190, Oct. 16.

Blitstein, Arthur, Chicago, Ill. Binding sheet material in piles. 2,571,525, Oct. 16.

Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Limit switch. 2,571,818, Oct. 16.

Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Brake shoe support mechanism. 2,571,410, Oct. 16.

Blomén, Torsten, assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden. Apparatus for separating solid particles from gases. 2,571,331, Oct. 16.

Bloomer, Ward J., Westfield, N. J., assignor to The Lummus Company, New York, N. Y. Refining of fatty acids. 2,571,663, Oct. 16.

Blossey, Carl W., and M. G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich. Turret and treadle bar tuner. 2,571,411, Oct. 16.

Blum, Chase, Cincinnati, Ohio. Track door structure. 2,571,664, Oct. 16.

Boel, Henry C., and B. C. Hallberg, assignors to B. H. B. Mfg. Co. Inc., Rockford, Ill. Plier type shot splitting tool. 2,571,819, Oct. 16.

Boesche, Frank H., and L. D. Staver, Washington, D. C., and P. L. Griffith, Montclair, N. J., assignors to Brake-Trol Corporation, Washington, D. C. Brake control system. 2,571,821, Oct. 16.

Boettinger, Rudolph, Englewood, N. J. Tire chain applier. 2,571,665, Oct. 16.

Bogdan, Benjamin W., Dedham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerant compressor. 2,571,820, Oct. 16.

Bohn, Donald L., Pittsburgh, Pa. Temperature control switch. 2,571,822, Oct. 16.

Bond, Donald C., Northbrook, and M. Savoy, assignors to The Pure Oil Company, Chicago, Ill. Oxidation of mercaptans. 2,571,666, Oct. 16.

Bondurant, Carlton W., Dayton, Ohio, assignor to Standard-Thomson Corporation. Relief valve. 2,571,667, Oct. 16.

Bonk, Theodore H., Tampa, Fla. Collapsible or folding infant's auto seat. 2,571,823, Oct. 16.

Bonnet, Louis, Cuxac-Carbardes, France, assignor to General Motors Corporation, Detroit, Mich. Ceramic composition. 2,571,526, Oct. 16.

Bonnin, Fred D., Fresno, Calif. Tandem axle spring suspension. 2,571,412, Oct. 16.

Boorum and Pease Company, assignee: *See*—
Rennie, John A.

Booth, George P., Dobbs Ferry, N. Y., and L. M. Smith, West New York, N. J., assignors to Interborough News Company, New York, N. Y. Coin-controlled vending machine. 2,571,668, Oct. 16.

Borg-Warner Corporation, assignee: *See*—
Reed, Harold V.
Warner, Archibald A.

Bos, Julius G., C. J. Dippel, H. J. Houtman, K. J. Keuning, and S. Wijtses, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Producing photographic contrasts. 2,571,670, Oct. 16.

Bos, Julius G., N. H. Haack, C. J. Dippel, and K. J. Keuning, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Producing photographic contrasts. 2,571,671, Oct. 16.

Bots, Edward C., assignee: *See*—
Bots, William A.

Bots, William A., assignor of one-half to E. C. Bots, Elgin, Oreg. Splash guard for vehicles. 2,571,413, Oct. 16.

Bowan, Walter J.: *See*—
Mueller, Lucien W., Bowan, and Gould.

Bowers, Alton E., Reading, Pa. Printing device. 2,571,825, Oct. 16.

Bowman, Lawrence E., Greenfield, Ind. Power cultivator. 2,571,191, Oct. 16.

Boyce, Eugene L., and M. D. Burrows, assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill. Lawn mower reel drive. 2,571,669, Oct. 16.

Boyd, Malcolm R., Hightstown, and L. Malter, Princeton, N. J., assignors to Radio Corporation of America. Gaseous discharge circuit. 2,571,824, Oct. 16.

Boyd, William, assignor to J. Blakeborough & Sons, Limited, Brighouse, England. Valve for controlling the flow of gaseous or liquid media. 2,571,826, Oct. 16.

Boyer, Martin, assignor of one-third to B. A. McIver, Lowry, Minn. Cast cutter. 2,571,527, Oct. 16.

Braccio, Michael, Brooklyn, assignor to W., E., and C. Langbein, doing business as Wm. Langbein & Bros., New York, N. Y. Safety guard hammer and the like. 2,571,528, Oct. 16.

Bradley, Harl C., Fort Wayne, Ind., assignor to General Electric Company. Supporting structure for machines. 2,571,672, Oct. 16.

Bradley, Schuyler L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,571,827, Oct. 16.

Brake-Trol Corporation, assignee: *See*—
Boesche, Frank H., Staver, and Griffith.

Brannen, Jacqueline: *See*—
Brannen, Lee D. and J.

Brannen, Lee D. and J., Boston, Mass. Fin wedge for high heel shoes. 2,571,673, Oct. 16.

Brannin, Richard S., East Williston, N. Y., assignor to The Sperry Corporation. Cross control system. 2,571,106, Oct. 16.

Brannock, Kent C.: *See*—
Bell, Alan, and Brannock.

Brant, Arthur A., Toronto, Ontario, Canada, assignor to Geophysical Exploration Company, New York, N. Y. Drill hole and underground resistivity method. 2,571,529, Oct. 16.

Braunstein, Jules, North Hollywood, Calif. Finger ring with a slide connector. 2,571,674, Oct. 16.

Bray, Olin B., Lynwood, Calif. Adjustable thumb and finger loop for scissors and shears. 2,571,675, Oct. 16.

Brekke, Peter, Los Angeles, Calif. Toolholder and toolholder block combination. 2,571,530, Oct. 16.

Breth, Ferdinand W., Petrolia, Pa., assignor to L. Sonneborn Sons, Inc. Recovery of acid values from sulfuric acid sludges. 2,571,107, Oct. 16.

Břešek, Rudolf, Prague-Smíchov, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia. Arrangement of the air inlet to the carburetor of air-cooled engines with the cylinders in V. 2,571,828, Oct. 16.

Bridge, Edward W., Philadelphia, Pa. Vegetable trimming machine. 2,571,531, Oct. 16.

Bright, Bernard K.: *See*—
Quinn, Martin F., and Bright.

Brill, Edward F., and O. W. Schroeder, Milwaukee, Wis. Defroster. 2,571,192, Oct. 16.

Briscoe, Carl I., San Antonio, Tex. Inflatable bathing suit. 2,571,532, Oct. 16.

Britton, Edgar C., and H. C. White, assignors to The Dow Chemical Company, Midland, Mich. Preparing heat-hardenable organopolysiloxane resins. 2,571,533, Oct. 16.

Broderson, Nell O., assignor to Rochester Button Company, Rochester, N. Y. Molding plastic articles. 2,571,193, Oct. 16.

Brooks, James W., Knoxville, Tenn. Window alarm. 2,571,534, Oct. 16.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thiophenethiolsphosphorus halide reaction products in lubricating compositions. 2,571,332, Oct. 16.

Brooks, John W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Thiophenethiolsphosphorus halide reaction products. 2,571,333, Oct. 16.

Brothman, A., and Associates, assignee: *See*—
Brothman, Abraham.

Brothman, Abraham, assignor of one-half to A. Brothman and Associates, Long Island City, N. Y., and one-half to Process Plants Division of Industrial Process Engineers, Newark, N. J. Manufacture of methacrylic acid esters from acetone cyanhydrin. 2,571,194, Oct. 16.

Brown, Andrew G., Maywood, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Registering mechanism for scales and the like. 2,571,414, Oct. 16.

Brown, Andrew G., Maywood, assignor to The Griffith Laboratories, Inc., Chicago, Ill. Percentage indicator for scales and the like. 2,571,415, Oct. 16.

Brown, Ralph, Fallbrook, assignor to Electrical Products Corporation, Los Angeles, Calif. Apparatus for bending tubes. 2,571,416, Oct. 16.

Browne, William H., Columbus, Ohio, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Making resilient batts. 2,571,334, Oct. 16.

Browne, William H., Columbus, Ohio, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Machine for making resilient batts. 2,571,335, Oct. 16.

Broyles, Margaret H.: *See*—
Gearhart, William M., Hill, and Broyles.

Buchanan, Robert F., Denver, Colo. Mold for and method of making drainpipe splash blocks. 2,571,417, Oct. 16.

Büchi, Alfred, Winterthur, Switzerland. Valve-controlled four-stroke cycle internal-combustion engine. 2,571,535, Oct. 16.

Buck, Gordon F., Glencoe, Ill. Set of game pieces. 2,571,195, Oct. 16.

Buckboldt, Robert E., assignor to The Salem Engineering Company, Salem, Ohio. Gaseous fuel burner for furnace walls. 2,571,336, Oct. 16.

Buckley, Thomas C., Wichita, Kans. Chiropractic adjustment table. 2,571,829, Oct. 16.

Buckman, James H., Cranford, and J. H. Rountree, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Machine for severing and shaping metal plates. 2,571,196, Oct. 16.

Buell, Paul W., assignor to Point-O-Matic Pencil Co., Inc., Elmira, N. Y. Telescoping pencil. 2,571,830, Oct. 16.

Bull, Cabot S., Hillingdon, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Circuit arrangement embodying electron discharge device employing hollow resonator. 2,571,676, Oct. 16.

Bullock, Glenn H.: *See*—
Turner, John R., and Bullock.

"Bureau Technique Gautrat," S. A. R. L., assignee: *See*—
Neumann, Georg, and Gottesmann.

Burkardt, Anton, assignor to Sativa Corporation, New York, N. Y. Decortication of fibrous material. 2,571,108, Oct. 16.

Burke, Wilbur B., East Cleveland, Ohio. Window. 2,571,677, Oct. 16.

Burndept Limited, assignee: *See*—
Lewis, Richard W., and Linton.

Burnham, James H., Rochester, N. Y. Boat dock and the like. 2,571,337, Oct. 16.

Burns, Paul J., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Yarn tensioning device. 2,571,678, Oct. 16.

Burrows, Milford D.: *See*—
Boyce, Eugene L., and Burrows.

Bush, Arthur C., Huntington Park, assignor of fifty per cent to M. D. Reed, Covelo, Calif. Animal-actuated insecticide distributor. 2,571,536, Oct. 16.

Buss, Benjamin A., East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y. Stop control for partitioned washers. 2,571,197, Oct. 16.

Butler, William B., Trenton, N. J. Carton with corner-shaped closure cap. 2,571,199, Oct. 16.

Butterfield, John P., Grosse Pointe Woods, assignor to Chrysler Corporation, Highland Park, Mich. Engine. 2,571,198, Oct. 16.

Butturini, Luigi, Milan, and G. Bernini, Melegnano, assignors to Carlo Erba S. A., Milan, Italy. Preparing purified heparin. 2,571,679, Oct. 16.

Cain, Robert M., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Envelope dispenser. 2,571,831, Oct. 16.

Calabrese, Carmen T., Chicago, Ill. Automatic wire stripper. 2,571,338, Oct. 16.

Calderbank, Philip H.: *See*—
Hayward, John E. H., and Calderbank.

Calico Printers' Association Limited, The: *See*—
Yelland, Neil W.

Calis, Jean: *See*—
Dansin, André, and Calis.

Canadian Westinghouse Company, Limited, assignee: *See*—
Jones, Alonzo C.

Caplan, Solomon: *See*—
Wasserman, David, and Caplan.

Carbrey, Robert L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse code modulation system employing code substitution. 2,571,680, Oct. 16.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Dresser mounting. 2,571,339, Oct. 16.

Carnes, Joseph J., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Polyether substituted oxazolidines and the like. 2,571,985, Oct. 16.

Carson, Clarence M., Silver Lake, assignor to Wingfoot Corporation, Akron, Ohio. Packaging. 2,571,340, Oct. 16.

Carter, Ralph H., Johnson City, and C. B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Twisting spindle tension device. 2,571,109, Oct. 16.

Cartun, Paul O., Cleveland Heights, Ohio, assignor to General Electric Company. Multiple gas burner for tipping-off glass articles. 2,571,537, Oct. 16.

Cascade Sprayer Company, assignee: *See*—
Dailey, Carl S.

Casco Products Corporation, assignee: *See*—
Youhouse, Joseph.

Case, J. I., Company, assignee: *See*—
Russell, Stanley D.

Castenschiold, René, Morristown, assignor to American Transformer Co., Newark, N. J., Transformer coil spacer. 2,571,413, Oct. 16.

Celanese Corporation of America, assignee: *See*—
Jones, Wilford D.
Kinsella, Edward.

Central National de la Recherche Scientifique, assignee: *See*—
Dupont, Georges, and Guillemonat.

Chaix, Ernest T., St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation. Piston stabilizer. 2,571,110, Oct. 16.

Challenge Machinery Company, The, assignee: *See*—
Lee, James E., and Barney.

Chamberlain Corporation, assignee: *See*—
Etten, Nicholas.

Chance, A. B., Company, assignee: *See*—
Hollander, William L.
Hubbard, David C.

Chapin, William S., Jr., Muskegon Heights, assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Mobile support for flexible power supplying elements. 2,571,833, Oct. 16.

Chapman, Colquitt H.: *See*—
Rodger, Louis S., and Chapman.

Chevallier, George E., assignor to Martin & Schwartz, Inc., Salisbury, Md. Interlocking mechanism for gasoline dispensing pumps. 2,571,200, Oct. 16.

Chidsey, Francis A., Jr., Ithan, Del., assignor to Container Corporation of America, Chicago, Ill. Can holder. 2,571,833, Oct. 16.

Christensen, Elman, Montreal, Quebec, Canada. Hydraulic piston. 2,571,538, Oct. 16.

Christie, Clive F., Knoxville, Tenn. Air control valve for carburetor gaskets. 2,571,539, Oct. 16.

Chrysler Corporation, assignee: *See*—
Ball, Thomas M.
Butterfield, John P.
Fishburn, Otto E.
Keller, Robert T.
Neracher, Carl A., and Dunn.
Nims, Paul T.
Ochs, Sidney A., and Fishburn.

Churchman, Nellie, executrix: *See*—
Churchman, Russell C.

Churchman, Russell C., deceased, Des Moines, Iowa, N. Churchman, executrix. Electrical actuation means. 2,571,419, Oct. 16.

Churchman, Russell C., deceased, Des Moines, Iowa; N. Churchman, executrix. Mechanism for draining moisture from compressed-air storage tanks. 2,571,420, Oct. 16.

Cinch Manufacturing Corporation, assignee: *See*—
Del Camp, Scipione M.

Cities Service Research and Development Company, assignee: *See*—
Hess, Frederick G.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spaced wall container with removable inner receptacle. 2,571,111, Oct. 16.

Clark, Earle W., assignor to Keeler Brass Company, Grand Rapids, Mich. Knob for spindles of electrical apparatus and the like. 2,571,681, Oct. 16.

Clarkson, Alick, Itasca, assignor of one-half to Vapor Heating Corporation, Chicago, Ill. Boiler circulating system. 2,571,540, Oct. 16.

Claus, William H., Downers Grove, Ill., assignor to Westinghouse Air Brake Company. Railway signal control system. 2,571,834, Oct. 16.

Cleemann, Jorgen O., Copenhagen, Denmark, assignor, by mesne assignments, to Separation Process Company, Catasauqua, Pa. Separation of mineral mixtures. 2,571,835, Oct. 16.

Cleland, James E., and A. L. Meyer, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind. High dextrin dextrose process. 2,571,541, Oct. 16.

Clem, Everett W., Shrewsbury, assignor to Rice Barton Corporation, Worcester, Mass. Slitting mechanism. 2,571,201, Oct. 16.

Clement, George P., New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Cold process water softener. 2,571,421, Oct. 16.

Closson, Rex D.: *See*—
McDyer, Thelma W., and Closson.

Clyne, Joseph, Bronx, N. Y. Rain- and slushproof garment. 2,571,202, Oct. 16.

Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Co., Cleveland, Ohio. Fluid operated pumping device. 2,571,836, Oct. 16.

Cochnar, Frank J., Dorchester, Nebr. Land measuring device. 2,571,682 Oct. 16.

Cogan, Grace J.: *See*—
Sloman, Edmund M., and Cogan.

Cole, George H., R. A. Hoel, H. E. Neuendorf, and C. L. Corneaby, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature responsive device. 2,571,422, Oct. 16.

Coles, Jacob G., New York, N. Y. Electric switch operating device. 2,571,837, Oct. 16.

Collar, Lynn H.: *See*—
Fine, Joseph L., and Collar.

Collins, Arthur J., Chicago, Ill. Closure for pouring spouts, connected thereto by a weakened, frangible element. 2,571,542, Oct. 16.

Colton, Lewis H.: *See*—
Martin, Charles S., Colton, and Cooke.

Columbian Carbon Company, assignee: *See*—
Glaxner, Daniel.

Combs, Donald R.: *See*—
Cunningham, James E., and Combs.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Dansin, André, and Calis.

Compagnie Industrielle de Credit, assignee: *See*—
Augustin, Jean.

Condon, Marjorie Z.: *See*—
Altschul, Aaron M., Condon, and Lambou.

Conlisk, Glen E., Tulsa, Okla. Indicating apparatus. 2,571,423, Oct. 16.

Conn, C. G., Ltd., assignee: *See*—
Webster, John C.

Connor, John C., Wilkinsburg, Pa., and T. Fahrner, Whittier, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control means for radiation detectors. 2,571,838, Oct. 16.

Connor, Walter F., assignor to Hub Hosiery Mills, Lowell, Mass. Cloth top sock. 2,571,543, Oct. 16.

Conover, George E., Garland, and C. D. McClure, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated. Index for sensitive measuring instruments. 2,571,839, Oct. 16.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Ehlers, Otto W.

Container Corporation of America, assignee: *See*—
Chidsey, Francis A., Jr.

Conti, John D., Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for gluing packages. 2,571,204, Oct. 16.

Continental Can Company, Inc., assignee: *See*—
Henchert, John.
Tomkins, Walter M.

Continental Motors Corporation, assignee: *See*—
Altman, Peter.
Beyers, Meredith, and Sadony.

Cooke, Albert E.: *See*—
Martin, Charles S., Colton, and Cooke.

Cookman, Helen C., assignor to M. E. Cookman, New York, N. Y. Trouser construction. 2,571,203, Oct. 16.

Cookman, Mary E., assignee: *See*—
Cookman, Helen C.

Coover, Harry W., Jr., Kingsport, Tenn., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Mixtures comprising polyacrylonitrile and a polyvinyl acetal. 2,571,683, Oct. 16.

Cordrey, Richard N., and D. E. Wright, Toledo, Ohio, assignors to The National Supply Company, Pittsburgh, Pa. Cable anchor for winding drums. 2,571,341, Oct. 16.

Corneaby, Clayton L.: *See*—
Cole, George H., Hoel, Neuendorf, and Corneaby.

Corning Glass Works, assignee: *See*—
Hood, Harrison P.
Kohl, Charles F., Jr.

Corro-Lith Corporation, assignee: *See*—
Slanhoff, Bertram.

Cosby, Eric L. H., London, England. Toilet comb. 2,571,205, Oct. 16.

Couture, Lionel A., Fall River, Mass. Adjustable ball cock valve. 2,571,206, Oct. 16.

Cowles, Robert J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Tone control circuit. 2,571,112, Oct. 16.

Cox, Howard B., Akron, Ohio. Appliance for embalming. 2,571,207, Oct. 16.

Craig, Louis E., Washington, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Manufacture of 1,2-epoxycyclooctane. 2,571,208, Oct. 16.

Cramer, Roy A., Kansas City, Mo. Chair seat cushion. 2,571,209, Oct. 16.

Craven, Kenneth C., Fitchburg, Mass., assignor to General Electric Company. Gas shielded arc welding torch. 2,571,684, Oct. 16.

Craver, Augustus E., Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del. Recovery of glycerine. 2,571,210, Oct. 16.

Crawford, Alfred, and M. Antonevich, assignors to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J. Stop motion resetting device. 2,571,211, Oct. 16.

Crawford Manufacturing Company, Incorporated, The, assignee: *See*—
Crawford, Alfred, and Antonevich.

Crosby, Charles D., Denver, Colo. Weighing and charging mechanism for transit mix trucks. 2,571,113, Oct. 16.

Crouch, Willie W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Di(tert-alkyl) mercaptals. 2,571,114, Oct. 16.

Crowley, John A., Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Combination hydrocarbon vaporization and cracking process. 2,571,342, Oct. 16.

Croxall, Willard J., Bryn Athyn, and H. J. Schneider, assignors to Rohm & Haas Company, Philadelphia, Pa. Preparation of ether-substituted unsaturated esters. 2,571,212, Oct. 16.

Crucible Steel Company of America, assignee: *See*—
O'Donnell, Michael V.

Cunningham, James E., and D. R. Combs, East Liverpool, Ohio. Boat trailer. 2,571,213, Oct. 16.

Curlee, Harvey P., Raleigh, N. C., assignor to Curlee Machinery Company, Inc. Article stacker. 2,571,840, Oct. 16.

Curlee Machinery Company, Inc., assignee: *See*—
Curlee, Harvey P.

Curtis Automotive Devices, Inc., assignee: *See*—
Gates, Richard L.

Custer, Alfred E.: *See*—
Floyd, Frederick K., and Custer.

Cutler-Hammer, Inc., assignee: *See*—
Jones, Jesse E., and Reeves.
Meuer, George J.

Cutrera, Dominick, San Francisco, Calif. Preparing boned turkey. 2,571,544, Oct. 16.

Dague, William G., Claysville, Pa. Animal trap. 2,571,841, Oct. 16.

Dailey, Carl S., assignor to Cascade Sprayer Company, Seattle, Wash. Dilution of liquid concentrates. 2,571,424, Oct. 16.

Dailey, Manvel C., Elmhurst, and E. W. Duffy, assignors to United States Gypsum Company, Chicago, Ill. Self-setting plastic material consisting essentially of alpha-gypsum and an aminotriazine resin. 2,571,343, Oct. 16.

Dale, Homer D., Santa Rosa, Calif. Walnut cracker. 2,571,214, Oct. 16.

Dale, Joseph S., Rockford, Ill. Governor mechanism. 2,571,842, Oct. 16.

Dale, Wallace S., Minneapolis, Minn. Antispill device for liquid containers. 2,571,843, Oct. 16.

Daniels, Richard W., Jr.: *See*—
Maciejowski, John J., and Daniels.

Dansin, André, and J. Calis, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Ceramic composition. 2,571,844, Oct. 16.

Dashwood, Charles E., Los Angeles, Calif., assignor to C. E. Doolin. Griddle cake machine. 2,571,344, Oct. 16.

Dath, George E., Mokena, assignor, to W. H. Miner, Inc., Chicago, Ill. Fastener for sliding doors of railway cars. 2,571,215, Oct. 16.

D'Autremont, Louis F., Dayton, Ohio. Stencil printing machine. 2,571,685, Oct. 16.

Davies, Harry E.: *See*—
Reimschissel, Charles A., and Davies.

Davis, Bernard D., New York, N. Y. Isolation of bacterial mutants. 2,571,115, Oct. 16.

Davis, Harry I., assignor to Eastman Kodak Company, Rochester, N. Y. Recovering cellulose ester film scrap. 2,571,686, Oct. 16.

Davis, Henry R., Knoxville, Tenn. Electric combination cooker. 2,571,216, Oct. 16.

Davis, Orris L., and H. S. Knight, Berkeley, and J. R. Skinner, assignors to Shell Development Company, San Francisco, Calif. Production of halohydrin ethers of phenols. 2,571,217, Oct. 16.

Davy and United Engineering Company Limited, assignee: *See*—
Russell, Robert G.

De Cew, Judson A., Mount Vernon, N. Y. Deaeration of paper making fibers. 2,571,219, Oct. 16.

Decora Corporation, The, assignee: *See*—
Smith, Leland H. and F. M.

Deere & Company, assignee: *See*—
Andrews, Norman F.
Griff, Robert D.
Oehler, William P.
Youngberg, Charles H.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,571,116, Oct. 16.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain resins and oxyalkylated derivatives thereof. 2,571,117, Oct. 16.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Carboxyl-containing xylene-soluble resin. 2,571,118, Oct. 16.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,571,119, Oct. 16.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Oxyalkylated derivatives of certain intermediates obtained from certain carboxyl-containing xylene-soluble resins. 2,571,120, Oct. 16.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Intermediate derivatives of certain carboxyl-containing xylene-soluble resins. 2,571,121, Oct. 16.

De la Source, Charles, Paris, assignor to Societe: Les Fils de Peugeot Freres, Valentigney, France. Assembling device and application thereof. 2,571,545, Oct. 16.

Del Buttero, Enzo, Milano, Italy, assignor to Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France. Electrical furnace. 2,571,218, Oct. 16.

Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Tube socket structure. 2,571,845, Oct. 16.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanisms. 2,571,220, Oct. 16.

Desnoyers, Archie J., Fitchburg, Mass. Molding press for plastic dental plates. 2,571,646, Oct. 16.

Detrex Corporation, assignee: *See*—
Kearney, Thomas J.

Diamond, Emanuel, Philadelphia, assignor of one-half to C. Frankford, Havertown, Pa. Umbrella construction. 2,571,122, Oct. 16.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Rubber derivatives. 2,571,345, Oct. 16.

D'Ianni, James D., assignor to Wingfoot Corporation, Akron, Ohio. Chlorinated polyisoprene. 2,571,346, Oct. 16.

Dickey, Joseph B.: *See*—
Coover, Harry W., Jr., and Dickey.
Stanin, Theodore E., and Dickey.

Dickey, Joseph B., Rochester, N. Y., and J. G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Copolymers of β,β-difluoroacrylic acid esters. 2,571,687, Oct. 16.

Dickinson, Harold O., assignor to Ilford Limited, Ilford, England. Production of colloidal silver. 2,571,688, Oct. 16.

Dietrich, Karl L., assignor to Selas Corporation of America, Philadelphia, Pa. Web-heating device. 2,571,425, Oct. 16.

Di Giallerenzo, John, Philadelphia, Pa. Combination door. 2,571,846, Oct. 16.

Dippel, Cornelis J.: *See*—
Bos, Julius G., Dippel, Houtman, Keuning, and Wijtzes.
Bos, Julius G., Haack, Dippel, and Keuning.

Dixon-Bartlett Company, assignee: *See*—
Henkel, John.

Dobbelman N. V., assignee: *See*—
Dobbelmann, Petrus B. H. M., and van Loon.

Dobbelmann, Petrus B. H. M., and J. van Loon, assignors to Dobbelman N. V., Nimeguen, Netherlands. Preparation of strongly lathering and purifying agents, shampoos, and the like. 2,571,689, Oct. 16.

Dobbelmann, Petrus B. H. M., Nimeguen, and S. H. Bertram, The Hague, assignors to Dobbelman N. V., Nimeguen, Netherlands. Detergent composition. 2,571,690, Oct. 16.

Dodd, R. Lee, Guthrie, Okla. Wire stretcher. 2,571,347, Oct. 16.

Dodge, Adiel Y., Rockford, Ill. Brake. 2,571,847, Oct. 16.

Dodge Manufacturing Corporation, assignee: *See*—
Firth, David.

Dolge, Merton L., Seattle, Wash. Can cover clincher. 2,571,691, Oct. 16.

Doherty, William H., Elmhurst, N. Y. Shoe sole former. 2,571,547, Oct. 16.

Domengeaux, Jerome E., assignee: *See*—
Hebert, Roy P.

Doniak, Michael, Compton, Calif. Rotatable electrically heated drying cylinder. 2,571,426, Oct. 16.

Doolin, C. K., assignee: *See*—
Dashwood, Charles E.
Mamecay, Aubrey W.

Doolittle, James C., and E. A. McCabe, Bell Glade, Fla. Basket cover fastener. 2,571,548, Oct. 16.

Doughnut Corporation of America, assignee: *See*—
Ackles, Virgil E.

Dow Chemical Company, The, assignee: *See*—
Britton, Edgar C., and White.
Hanson, William J., and Dunham.

Dow Corning Corporation, assignee: *See*—
Hyde, James F.

Drachman, Myron J., Broaxville, N. Y. Differential mechanism. 2,571,427, Oct. 16.

Draper Corporation, assignee: *See*—
Villani, Antonio.

Dresser Equipment Co., assignee: *See*—
Coberly, Clarence J.

Drinkhaus, Theodore A., assignor to Tilt Dispenser Company, Galveston, Tex. Liquid dispenser for garbage cans. 2,571,428, Oct. 16.

Drinkwater, Charles M., Jr., Lake Bluff, assignor to Drinkwater, Inc., Waukegan, Ill. Coupling gasket. 2,571,348, Oct. 16.

Drinkwater, Inc., assignee: *See*—
Drinkwater, Charles M., Jr.

Dubois, Henri, Levallois, France, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Fishing rod. 2,571,692, Oct. 16.

Duffy, Edward W.: *See*—
Dailey, Manvel C., and Duffy.

Du Kane Corporation, assignee: *See*—
Tyler, Merle D., and Larson.

Dulaney, Eugene L., assignor to Merck & Co., Inc., Rahway, N. J. Production of streptomycin. 2,571,693, Oct. 16.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Loewi, Mortimer W., Furman, and Mueller.

Dunham, John M.: *See*—
Hanson, William J., and Dunham.

Dunlop Rubber Company Limited, assignee: *See*—
Trevaskis, Henry W.

Dunn, William T.: *See*—
Neracher, Carl A., and Dunn.

Dunning, Luther T., Norfolk, Va. Erecting reinforced concrete structures. 2,571,349, Oct. 16.

Dupler, Raymond R., Toledo, Ohio. Joint for timbers or the like. 2,571,429, Oct. 16.

Duplessis, René E., Beverly, and E. Quinn, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating prewelt uppers. 2,571,123, Oct. 16.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Arthur, Paul, Jr., and Pratt.
Waltz, Joseph E.

Dupont, Georges, Paris, and A. Guillemonat, Alger, assignors to Centre National de la Recherche Scientifique, Paris (Seine), France. Extracting organic acids and their salts from cork and products resulting from this extraction. 2,571,221, Oct. 16.

Durup, Paul H., Wollaston, Mass. Self-locking hinge. 2,571,430, Oct. 16.

Dyer, Edward W., Winter Haven, Fla. Fish lure. 2,571,222, Oct. 16.

Dyer, Richard F., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Ribbon breaker for fluid driven yarn traverse mechanisms. 2,571,694, Oct. 16.

Eastman Kodak Company, assignee: *See*—
Bell, Allan, and Brannock.
Bennett, Harold F.
Bing, Herbert A., and Pribus.
Burns, Paul J.
Coover, Harry W., Jr., and Dickey.
Davis, Harry I.
Dickey, Joseph B., and McNally.
Dyer, Richard F.
Evans, Ralph M.
Fierke, Scheuring S.
Fuerst, Carl C., and Harvey.
Gearhart, William M., Hill, and Broyles.
Hunt, Clayton E., Jr.
Kimball, Donald B., and McDowell.
Pribus, Clarence W.
Quinn, Martin F., and Bright.
Rathbun, Kenneth C.
Reynolds, Delbert D., and Kenyon.
Rodger, Louis S., and Chapman.
Sprague, Robert H.
Stanin, Theodore E., and Dickey.
Thompson, Russell G.
Turner, John R., and Bullock.
Ulmschneider, Lawrence A., and Lewis.
Wangsness, Elmer O., and Wetherald.
Wittel, Otto, and Swing.
Woodhouse, Fred N., and Swing.

Eberwein, Howard J.: *See*—
Gebert, Russell C., and Eberwein.

Eckles, Nelle, Glendale, assignor of one-half to R. B. Eckles, San Francisco, Calif. Trailer hitch lock. 2,571,349, Oct. 16.

Eckles, Robert B., assignee: *See*—
Eckles, Nelle.

Ecrémeuses Mélotte, Société Anonyme, assignee: *See*—
Henrard, Fernand J. J.

Edinburg, Murray W., Worcester, Mass. Electrocardiograph. 2,571,223, Oct. 16.

Edwards, Walter M., Seymour, Tex. Cotton harvester. 2,571,224, Oct. 16.

Ehlers, Otto W., Hermosa Beach, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Apparatus for coupling and uncoupling propellers. 2,571,848, Oct. 16.

Ehlinger, Marcel: *See*—
Mercier, Ernest, and Ehlinger.

Ehmann, Leslie G., assignor to Hyster Company, Portland, Oreg. Material handling device for industrial trucks. 2,571,550, Oct. 16.

Eichenbaum, William, Jersey City, N. J. Duplicator attachment for stiff ledger sheets. 2,571,551, Oct. 16.

Elderkin, James K., Montclair, and F. J. Strassner, assignors, by mesne assignments, to J. J. Mascuch, Maplewood, and J. K. Elderkin, Montclair, N. J. Electrode feeding mechanism. 2,571,552, Oct. 16.

Electric & Musical Industries Limited, assignee: *See*—
Bull, Cabot S.
Metcalfe, Clifford, and Rae.
Milne, James T. G.
Scantlebury, Gordon S. P.

Electrical Products Corporation, assignee: *See*—
Brown, Ralph.

Electrolux Corporation, assignee: *See*—
Ferraris, John T.

Ellis, Delbert: *See*—
Armstrong, George C., Basnett, and Ellis.

Ellison, Lynn E., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Electrical fuel weighing device. 2,571,695, Oct. 16.

Elson, William O., Chicago, Ill., assignor to The Kendall Company, Boston, Mass. Antibacterial composition. 2,571,849, Oct. 16.

Embury, Aymar, II, New York, N. Y. Door. 2,571,696, Oct. 16.

Empire Electric Brake Company, assignee: *See*—
Ingres, Jeannot G.
Steiner, William.

Endsley, Louis E.: *See*—
Frost, Harry W., Jr., and Endsley.

Endsley, Louis E., Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich. Frictional car truck bolster. 2,571,225, Oct. 16.

Engineering and Research Corporation, assignee: *See*—
Lane, Frank B.

Enslein, Kurt, Rochester, N. Y., assignor to Stromberg-Carlson Company. Phase inverter circuit. 2,571,431, Oct. 16.

Erba, Carlo, S. A., assignee: *See*—
Butturini, Luigi, and Bernini.

Eru-Kaasfabriek N. V., assignee: *See*—
Ruys, Josephus J.

Esser, Paul, Koln-Raderberg, and P. Wils, Koln-Bayenthal, Germany. Chain welding machine. 2,571,553, Oct. 16.

Estwing, Ernest O., assignor to Estwing Manufacturing Company, Incorporated, Rockford, Ill. Forming hand-operated striking tools. 2,571,350, Oct. 16.

Estwing Manufacturing Company, Incorporated, assignee: *See*—
Estwing, Ernest O.

Etavex S. A., assignee: *See*—
Fortier, André L. A.

Ethyl Corporation, assignee: *See*—
McDyer, Thelma W., and Closson.

Etnyre, E. D., & Co., assignee: *See*—
Etnyre, Samuel R.

Etnyre, Samuel R., assignor to E. D. Etnyre & Co., Oregon, Ill. Distributor for bituminous and like materials. 2,571,850, Oct. 16.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa., Wringer. 2,571,351, Oct. 16.

Evans, Ralph M., assignor to Eastman Kodak Company, Rochester, N. Y. Correcting photographic color prints. 2,571,697, Oct. 16.

Exhibit Supply Company, assignee: *See*—
Hughes, Edward H.

Fabis, Anthony J., Chicago, Ill. Receptacle. 2,571,226, Oct. 16.

Fahrner, Ted: *See*—
Connor, John C., and Fahrner.

Farbenfabriken Bayer, assignee: *See*—
Schrader, Gerhard.

Farkas, Pierre, Paris, France. Brake for automobile vehicles and the like. 2,571,432, Oct. 16.

Farnsworth Research Corporation, assignee: *See*—
Cowles, Robert J.
Harris, Albert S.
Sanders, Robert W.

Farrand, Clair L., Scarsdale, N. Y., assignor to Farrand Optical Co., Inc. Sphygmomanometer. 2,571,124, Oct. 16.

Farrand Optical Co., Inc., assignee: *See*—
Farrand, Clair L.

Fasano, Fred A., New York, N. Y. Self-propelled toy. 2,571,554, Oct. 16.

Fast, Christiane G., assignee: *See*—
Fast, Gustave.

Fast, Gustave, deceased, Salisbury, Md.; F. W. C. Webb, administrator, assignor to C. G. Fast. Shaft seal. 2,571,352, Oct. 16.

Felsch, John, Irvington, assignor to Volupte, Inc., Elisabeth, N. J. Closure fastener. 2,571,353, Oct. 16.

Fernandes, Daniel S., Paramaribo, Surinam, Dutch West Indies, assignor to Vita-Rich Rice Process Ltd., New York, N. Y. Apparatus for treating grain. 2,571,555, Oct. 16.

Ferraris, John T., Cos Cob, assignor to Electrolux Corporation, Old Greenwich, Conn. Bottom opening suction cleaner. 2,571,125, Oct. 16.

Fierke, Scheuring S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic masking process. 2,571,698, Oct. 16.

Fine, Joseph L., and L. H. Collar, Miami, Fla. Beverage dispensing receptacle. 2,571,433, Oct. 16.

Firth, David, South Bend, assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Mounting for sheaves, etc. 2,571,699, Oct. 16.

Fischer, Charles: *See*—
Lindstaedt, Frank F., and Fischer.

Fishburn, Otto E.: *See*—
Ochs, Sidney A., and Fishburn.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,571,434, Oct. 16.

Flamm, Alexander L., Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Gas fueled cigar lighter. 2,571,435, Oct. 16.

Flood-Lite Service Inc., assignee: *See*—
Sale, Frank, and Press.

Florence Stove Company: *See*—
Reeves, Herbert M.

Floyd, Frederick K., and A. E. Custer, assignors to Metron Instrument Company, Denver, Colo. Variable ratio speed changer. 2,571,851, Oct. 16.

Fockler, Theodore C.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.

Folkers, Karl: *See*—
Harris, Stanton A., Mozingo, Arth, and Folkers.

Folkers, Karl, Plainfield, and F. W. Holly, Cranford, assignors to Merck & Co., Inc., Rahway, N. J. Substituted amino analogs of pantothenic acid and process. 2,571,852, Oct. 16.

Folkerth, Harold E., Sr., Dayton, Ohio. Movable worktable for presses. 2,571,556, Oct. 16.

Fong, Yue S., Hong Kong, China. Bottle cap. 2,571,227, Oct. 16.

Fontana, Celeste M., Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Polymerization of monoalkylethylenes. 2,571,354, Oct. 16.

Fontecchio, Anthony, assignor of fifty per cent to R. Manci, Iron Mountain, Mich. Indicator support. 2,571,853, Oct. 16.

Food Machinery and Chemical Corporation, assignee: *See*—
Lindsay, Wesley N., and Wilbur.

Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Coating thermocouples. 2,571,700, Oct. 16.

Formhals, William H.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.

Forrester, Gladys, East St. Louis, Ill. Hair dressing device. 2,571,701, Oct. 16.

Fortier, André L. A., Clamart, France, assignor to Etavex S. A. Pneumatic size gauging device. 2,571,557, Oct. 16.

Foss, Freeman C., Twin Falls, Idaho. Caliper for high precision measurements. 2,571,558, Oct. 16.

Foster, John R., assignor to T. M. M. (Research) Limited, Helmshore, Rossendale, England. Twisting of textile and other yarns, threads and filaments. 2,571,854, Oct. 16.

Fox, Louine M., New York, N. Y. Powder puff. 2,571,855, Oct. 16.

Frank, Louis, Fellows, Calif. Rivet feeding tool. 2,571,436, Oct. 16.

Frankford, Clarence, assignee: *See*—
Diamond, Emanuel.

Franklin, Peter J., assignee: *See*—
Howard, Joseph O.

Freas, Robert R., Jr.: *See*—
Lawrence, Howard C., Jr., and Freas.

Frederiksen, Svend E., Charlottenlund, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Hot aqueous extraction of enzymes from insulin-free pancreas. 2,571,126, Oct. 16.

Freedman, Hyman, New York, N. Y. Dental appliance. 2,571,856, Oct. 16.

Freeman, Sylvester E., and W. G. Stewart, Akron, Ohio. Hand-protecting mitten. 2,571,228, Oct. 16.

Freezerver Products, Inc., assignee: *See*—
Hawkes, Chester A.

Frink, Russell E.: *See*—
Olsson, Paul, and Frink.

Frost, Harry W., Jr., Detroit, Mich., and L. E. Endsley, Pittsburgh, Pa. Railway car springs. 2,571,229, Oct. 16.

Frost Railway Supply Co., The, assignee: *See*—
Endsley, Louis E.

Fuerst, Carl C., and D. C. Harvey, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilizer for camera shutter trip mechanism. 2,571,702, Oct. 16.

Fuller, Alfred J.: *See*—
Potter, William W., and Fuller.

Fuller, Everett W.: *See*—
Richter, Frederick P., and Fuller.

Fulton Company, The, assignee: *See*—
Strand, Steen.

Furman, Otto G.: *See*—
Loewi, Mortimer W., Furman, and Mueller.

Gaets, Kenneth M., Stewartsville, Minn. Waterproof overshoe having looped counter strap. 2,571,437, Oct. 16.

Gaillard, Tacitus W., Baldwin, N. Y. Tool post. 2,571,559, Oct. 16.

Gall, John F., Narberth, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Packing structure. 2,571,560, Oct. 16.

Gardner, Charles B., Hollis, N. Y., assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for simultaneous two-way stretching of film. 2,571,355, Oct. 16.

Gardner, James M.: *See*—
Piper, Frank B., and Gardner.

Garland, Claude B., Compton, assignor to Garland Crane Company, Long Beach, Calif. Boom for light hoisting. 2,571,858, Oct. 16.

Garland Crane Company, assignee: *See*—
Garland, Claude B.

Garrison, Vernon L., Clifton, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Effecting cable joints. 2,571,857, Oct. 16.

Gates, Frederic F., Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegman Electric Co., Hartford, Conn. Electric switch casing. 2,571,859, Oct. 16.

Gates, Richard L., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Valve. 2,571,356, Oct. 16.

Gearhart, William M., E. O. Hill, Jr., and M. H. Broyles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacturing resorcinol monobenzoate. 2,571,703, Oct. 16.

Gebert, Russell C., Elkins Park, and H. J. Eberwein, Jenintown, assignors to James Lees and Sons Company, Bridgeport, Pa. Pile fabric. 2,571,860, Oct. 16.

Gegumis, Van J., Memphis, Tenn. Wood surfacing and edging machine. 2,571,861, Oct. 16.

Gemora, Charles, Los Angeles, Calif. Sanitary pad holder. 2,571,357, Oct. 16.

General Aniline & Film Corporation, assignee: *See*—
Craig, Louis E.
Sargent, Donald E.
Stratton, Charles H.

General Electric Company, assignee: *See*—
Beard, Lee R., Seely, and Holdgreve.
Beeson, Eric J. G., and Shepherd.
Bradley, Harl C.
Cartun, Paul O.
Craven, Kenneth C.
Graves, William L. O.
McKinsey, Clarence E.
Nelson, Richard B.
Pipkin, Marvin, and Johnson.
Swenson, Alfred G.
Turner, William W.
Winter, Fred H.

General Mills, Inc., assignee: *See*—
Van Guilder, Walter.

General Motors Corporation, assignee: *See*—
Beare, Charles H.
Blomberg, Martin P.
Blossey, Carl W., and Wright.
Bonnet, Louis.
Humiston, Norman E.
Kendall, Thomas L.
Truxell, Clyde W., Jr.
Underwood, Arthur F.
Welch, Albert F.

General Tire and Rubber Company, The, assignee: *See*—
Kusiak, Stanley.
Neher, Eldon P.

Genety, Louis, Lyon, France. Hydraulic transmission. 2,571,561, Oct. 16.

Geophysical Exploration Company, assignee: *See*—
Brant, Arthur A.

Gerhardt, Andrew H., Skokie, and A. P. Schulz, Hinsdale, Ill., assignors to Thor Corporation. Convertible dishwashing and clothes-washing machine. 2,571,438, Oct. 16.

Gerner, Theodore C., Oklahoma City, Okla. Bell housing repair assembly. 2,571,562, Oct. 16.

Gilbert, Everett E.: *See*—
Otto, Julian A., and Gilbert.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine starter. 2,571,230, Oct. 16.

Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter jaw actuating device. 2,571,231, Oct. 16.

Gilden, Maurice T., Bronx, N. Y., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,571,704, Oct. 16.

Gilson, William D.: *See*—
Manteuffel, Allan, and Gilson.

Glass, Floyd M., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. System for determining tube characteristics. 2,571,439, Oct. 16.

Glaxner, Daniel, Pampa, Tex., assignor to Colombian Carbon Company, New York, N. Y. Flame shield assembly for carbon black apparatus. 2,571,127, Oct. 16.

Gleason Works, assignee: *See*—
Carlsen, Leonard O.

Glenn, Joy L., Memphis, Tenn. Adjustable support for hammer drills. 2,571,862, Oct. 16.

Godsey, Frank W., Jr., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Force responsive device for flow meters. 2,571,863, Oct. 16.

Goldberg, Jacob M., Denver, Colo. Fishing reel. 2,571,440, Oct. 16.

Goldberger, Géza, Budapest, Hungary. Apparatus for effecting transcriptions. 2,571,563, Oct. 16.

Goldschmidt, Rudolf, Eckington, Sheffield, and A. E. Wood, assignors to The Birmingham Small Arms Company Limited, Birmingham, England. Electric switch. 2,571,564, Oct. 16.

Gooch, Ralph W., Mill Valley, Calif. Current feed and holder for positive carbon of motion-picture projector lamps. 2,571,128, Oct. 16.

Goodman, Guy H., and A. B. Staples, Oakland, Calif. Carton cutter attachment for drink mixers. 2,571,705, Oct. 16.

Goodyear Aircraft Corporation, assignee: *See*—
Bateman, Ralph C., and Schnitzer.

Gorske, Stanley F., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Spring clutch device. 2,571,232, Oct. 16.

Gottesmann, Uscha: *See*—
Neumann, Georg, and Gottesmann.

Gottlieb, Manfous, Philadelphia, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,571,707, Oct. 16.

Gould, Wallace E.: *See*—
Mueller, Lucien W., Bowan, and Gould.

Grant, John L., assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Rail anchor. 2,571,565, Oct. 16.

Graves, William L. O., Schenectady, N. Y., assignor to General Electric Company. Reversing magnetic amplifier control system. 2,571,708, Oct. 16.

Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for electroplating articles. 2,571,709, Oct. 16.

Graybill, Howard W., Honey Brook, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Arc extinguishing circuit interrupter. 2,571,864, Oct. 16.

Greedy, Edwin F., and E. J. Schaaf, Anderson, Iowa, assignors to The Midwest Co., Nebraska City, Nebr. Corn picker with cutter. 2,571,865, Oct. 16.

Greeley, Leo O., assignor to F. J. McCarthy, Inc., Cadillac, Mich. Molding sand handling machine. 2,571,710, Oct. 16.

Green, John A., Wakarusa, Ind. Control system for multiple rotor helicopters. 2,571,566, Oct. 16.

Greenberg, George, Brooklyn, N. Y. Line indicator and copyholder. 2,571,567, Oct. 16.

Greene, Ernest W., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of land pebble phosphate. 2,571,866, Oct. 16.

Greenup, Francis T., Merrick, assignor to REF Manufacturing Corporation, Mineola, N. Y. Mechanism for latching a receptacle and cover in a recess. 2,571,568, Oct. 16.

Greenwood, Walter, Madison, assignor of one-half to R. E. Allen, South Orange, N. J. Combined square and tape measure. 2,571,569, Oct. 16.

Grew, Violet C., assignee: *See*—
Lord, Francis L.

Griff, Robert D., Rock Island, assignor to Deere & Company, Moline, Ill. Stalk cutter. 2,571,441, Oct. 16.

Griffith, Benjamin F., Wheeling, W. Va. Flexible mobile receptacle. 2,571,442, Oct. 16.

Griffith Laboratories, Inc., The, assignee: *See*—
Brown, Andrew G.
Hall, Lloyd A., and Sair.
Sair, Louis, and Hall.

Griffith, Percy L.: *See*—
Boesche, Frank H., Staver, and Griffith.

Groenenberg, Maarten J., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Adjustable mount for cathode-ray tube in Schmidt projector. 2,571,233, Oct. 16.

Guest, Albert T., Los Angeles, Calif. Fabric cutter. 2,571,234, Oct. 16.

Guillemonat, André: *See*—
Dupont, Georges, and Guillemonat.

Guttman, Anatol, New York, N. Y. Coat hanger. 2,571,358, Oct. 16.

H-P-M Development Corporation, assignee: *See*—
Bennett, William H.
Purcell, Howard M.

Haack, Nikel H.: *See*—
Bos, Julius G., Haack, Dippel, and Keuning.

Haas, Gerhard J.: *See*—
Zentner, Margaret R., and Haas.

Hackman, William C., Silver Spring, Md. Fluid pump. 2,571,711, Oct. 16.

Hagar, Smith, Pittsburgh, Pa. Multiple socket wrench. 2,571,570, Oct. 16.

Hair, Kenneth F., Lapel, Ind. Adjustable seat mount. 2,571,443, Oct. 16.

Hale, Loren, assignor to Stuk-O-Rite, Inc., Tulsa, Okla. Spray gun for applying granular materials. 2,571,874, Oct. 16.

Hall, Lloyd A.: *See*—
Sair, Louis, and Hall.

Hall, Lloyd A., Chicago, and L. Sair, Evergreen Park, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Spice extraction and product. 2,571,867, Oct. 16.

Hallberg, Berthel C.: *See*—
Boel, Henry C., and Hallberg.

Hallenbeck, Thomas L., assignor to Baker Bros. Inc., Toledo, Ohio. Fluid actuating system and apparatus. 2,571,359, Oct. 16.

Haller, John, Northville, Mich. Composite powdered metal bearing. 2,571,868, Oct. 16.

Hallerberg, Theodore W., Chicago, Ill. Electrical monitoring system. 2,571,360, Oct. 16.

Hallonquist, Earl G., assignor to Plywood Research Foundation, Tacoma, Wash. Dry process for making composite products with pH control. 2,571,986, Oct. 16.

Hamer, Alfred A., Alexandria, Va. Journal lubricator. 2,571,235, Oct. 16.

Hamilton, Vivian E., Jr., Shreveport, La. Apparatus for testing pipe joints for leaks. 2,571,236, Oct. 16.

Hancox, Burton W.: *See*—
Livingston, Walter R., and Hancox.

Hanna, Clinton R., Pittsburgh, and S. J. Mikina, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed control system. 2,571,869, Oct. 16.

Hanners, Harvey W., and C. W. Areson, Springfield, Ohio, assignors to The National Supply Company, Pittsburgh, Pa. Acceleration element for fuel controlling means for internal-combustion engines. 2,571,571, Oct. 16.

Hansen, Robert S., Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission. Adsorption separation of zirconium and hafnium. 2,571,237, Oct. 16.

Hansen, William W., Stanford University, Calif., assignor to The Sperry Corporation. Scanning antenna system. 2,571,129, Oct. 16.

Hanson, William J., and J. M. Dunham, Long Beach, Calif., assignors to The Dow Chemical Company, Midland, Mich. Herbicide sprays. 2,571,712, Oct. 16.

Hapman, Hannah J., assignee: *See*—
Hapman, Henry W.

Hapman, Henry W., assignor of forty per cent to H. J. Hapman, Detroit, Mich. Flight conveyer. 2,571,444, Oct. 16.

Hargis, Arnold E., Portland, Oreg. Disappearing clearance light for truck bodies. 2,571,130, Oct. 16.

Harmanson, Ernest C., Portland, Oreg. Boat trailer and hoisting mechanism therefor. 2,571,361, Oct. 16.

Harmon, David L., Indianapolis, Ind. Hoist for removing and installing springs on buses, trucks, and the like. 2,571,572, Oct. 16.

Harris, Albert S., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Sweep circuit. 2,571,131, Oct. 16.

Harris-Seybold Company, assignee: *See*—
Wood, James R.

Harris, Stanton A., Westfield, R. Mosingo, Elizabeth, G. E. Arth, Rahway, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,571,238, Oct. 16.

Hart Bros. Machine Co., assignee: *See*—
Hart, Charles H.

Hart, Charles H., assignor to Hart Bros. Machine Co., Clarksburg, W. Va. Glass drawing machine bearing support. 2,571,239, Oct. 16.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Bos, Julius G., Dippel, Houtman, Keuning, and Wijtzes.
Bos, Julius G., Haack, Dippel, and Keuning.
Groenenberg, Maarten J.
Jonker, Johannes L. H., and van Overbeek.
Van Uden, Jules H. M., and Rieck.

Harvel Corporation, The, assignee: *See*—
Wasserman, David, and Caplan.

Harvey Research Corporation, assignee: *See*—
Harvey, Mortimer T., and Rosamilia.

Harvey, Douglass C.: *See*—
Fuerst, Carl C., and Harvey.

Harvey, Earle M., Arlington, Va. Fire control mechanism for firearms. 2,571,132, Oct. 16.

Harvey, Mortimer T., South Orange, and P. L. Rosamilia, Bloomfield, N. J., assignors to Harvel Research Corporation. Products of certain dibasic acids and acetone-formaldehyde reaction products. 2,571,089, Oct. 16.

Hawkes, Chester A., assignor to Freeserver Products, Inc., Lansing, Mich. Removable refrigerating unit in truck body. 2,571,445, Oct. 16.

Hayes, Robert R., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co. Electric motor frame having coolant system incorporated therein. 2,571,872, Oct. 16.

Hayes, Stanley A., Pasadena, Calif. Eductor nozzle. 2,571,870, Oct. 16.

Hayes, Stanley A., Pasadena, Calif. Proportioner. 2,571,871, Oct. 16.

Haynes, Bryce, Tuckahoe, N. Y., assignor to Audio Devices, Inc. Carton. 2,571,133, Oct. 16.

Hayward, J. W., assignee: *See*—
Stodgell, James C.

Hayward, John E. H., and P. H. Calderbank, Birmingham, England, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Plasticized amino resinous compositions and their preparation. 2,571,240, Oct. 16.

Heagle, A. R., assignee: *See*—
Maves, Emil W.

Hebert, Roy P., assignor of 15 per cent to J. E. Domengeaux, Lafayette, La. Gas timing and metering valve. 2,571,713, Oct. 16.

Hegenbarth, Francis, assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Distance and bearing plate for cane mills. 2,571,873, Oct. 16.

Heinemann, Otto C., Milwaukee, Wis. Ticket holder and punch. 2,571,875, Oct. 16.

Heltzel, Carl J., Warren, Ohio. Road surface treating machine. 2,571,876, Oct. 16.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Pocket container for pipe tobacco. 2,571,714, Oct. 16.

Henderson, Robert H., East Orange, N. J. One sweep type bender for thin wall metallic conduit. 2,571,241, Oct. 16.

Henkel, John, Baltimore, Md., assignor to Dixon-Bartlett Company. Shoe with rolled throat line. 2,571,446, Oct. 16.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Strip material. 2,571,715, Oct. 16.

Henrard, Fernand J. J. J., assignor to Ecrémeuses Mélotte, Société Anonyme, Remicourt, Belgium. Metallic surface for butter churns. 2,571,573, Oct. 16.

Henshaw, Thomas A., assignor to Nu-Swift, Limited, Elland, England. Fire extinguisher. 2,571,877, Oct. 16.

Hercules Powder Company, assignee: *See*—
Hulse, George E.
Shapleigh, James H.

Hervey, Eugene, Dallas, Tex. Foldable canopy frame. 2,571,362, Oct. 16.

Hess, Frederick G., Merchantville, N. J., assignor, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y. Reaction product of phthalic anhydride and a primary rosin amine. 2,571,716, Oct. 16.

Hicks, Earl J., Gouverneur, N. Y. Gap cover attachment for automobile seats. 2,571,574, Oct. 16.

Hicks, James C., Menlo Park, and L. W. Austin, San Jose, Calif., assignors to Kaiser Aluminum & Chemical Corporation. Product and preparation of periclase. 2,571,134, Oct. 16.

Hil-Jon Safety Crown Corporation, assignee: *See*—
Hill, Charles, and Johns.

Hill, Charles, Reno, Nev., and C. K. Johns, New York, assignors to Hil-Jon Safety Crown Corporation, Brooklyn, N. Y. Spring winding device. 2,571,878, Oct. 16.

Hill, Charles, Reno, Nev., and C. K. Johns, New York, assignors to Hil-Jon Safety Crown Corporation, Brooklyn, N. Y. Overload release coupling. 2,571,879, Oct. 16.

Hill, Roy O., Jr.: *See*—
Gearhart, William M., Hill, and Broyles.

Hilliard, George O., Jr.: *See*—
Parker, Paul T., and Hillard.

Hilton, Charles G., Amarillo, Tex. Combined bootjack and boot hook. 2,571,447, Oct. 16.

Hinson, Odus C., Cramerton, assignor, by mesne assignments, to The Terrell Machine Company, Charlotte, N. C. Can changing mechanism for textile machines. 2,571,880, Oct. 16.

Hobbs, Howard F., assignor to Hobbs Transmission Limited, Leamington Spa, England. Variable ratio power transmission apparatus. 2,571,448, Oct. 16.

Hobbs, Oliver K., Suffolk, Va. Resilient mounting for chassis of motor vehicles. 2,571,449, Oct. 16.

Hobbs Transmission Limited, assignee: *See*—
Hobbs, Howard F.

Hoel, Robert A.: *See*—
Cole, George H., Hoel, Neuendorf, and Corneaby.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Mounting for work centers and the like. 2,571,363, Oct. 16.

Hoffman, Ernest, Nutley, N. J., assignor to American Can Company, New York, N. Y. Discharge conveyer mechanism for articles. 2,571,135, Oct. 16.

Hoffmann-La Roche Inc., assignee: *See*—
Zentner, Margaret R.
Zentner, Margaret R., and Haas.

Holdgreve, Gerald C.: *See*—
Beard, Lee R., Seely, and Holdgreve.

Hollander, William L., assignor to A. B. Chance Company, Centralia, Mo. Earth auger. 2,571,244, Oct. 16.

Holly, Frederick W.: *See*—
Folkers, Karl, and Holly.

Holmes, John C., Signal Mountain, Tenn. Steam cleaner. 2,571,575, Oct. 16.

Holmes, Le Roy S., and R. J. Spanski, Detroit, Mich. Outboard motor. 2,571,245, Oct. 16.

Homer Laughlin China Company, The, assignee: *See*—
Wells, Arthur A., and Knapp.

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Opal glass and method of controlling fire thereof. 2,571,242, Oct. 16.

Hooker, Donald E., assignor to Lion Manufacturing Corporation, Chicago, Ill. Coil winding machine. 2,571,243, Oct. 16.

Hopkins Machine Corporation, assignee: *See*—
Hopkins, Marion D., and Johnson.

Hopkins, Marion D., River Forest, and A. Johnson, Elmwood Park, Ill., assignors to Hopkins Machine Corporation. Rotary disk hopper feed for cylindrical articles. 2,571,576, Oct. 16.

Horton, Ralph, Groton, Conn., assignor to National Dairy Products Corporation, New York, N. Y. Making ice cream. 2,571,136, Oct. 16.

Hosking, Thomas W., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Spring stud fastener. 2,571,364, Oct. 16.

Hotine, William, Great Neck, N. Y., assignor to Radio Corporation of America. Radio-frequency distribution system. 2,571,137, Oct. 16.

Houdaille-Hershey Corporation, assignee: *See*—
Browne, William H.

Houtman, Harke J.: *See*—
Bos, Julius G., Dippel, Houtman, Keuning, and Wijtzes.

Howald, Arthur M., Toledo, and L. S. Meyer, Newark, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Shaft for fishing rods. 2,571,717, Oct. 16.

Howard, Joseph O., assignor of one-half to P. J. Franklin, Chicago, Ill. Socket for starter units for fluorescent lamps. 2,571,881, Oct. 16.

Howard, Ruth, New York, N. Y. Tape string diaper. 2,571,577, Oct. 16.

Howes, Edgar T., Pasadena, Calif. Load-responsive device. 2,571,718, Oct. 16.

Hub Hosiery Mills, assignee: *See*—
Connor, Walter F.

Hubbard, David C., asignor to A. B. Chance Company, Centralia, Mo. Operating pole assembly for high-tension lines. 2,571,246, Oct. 16.

Hudson, Edgar W. and G. L., Meridian, Idaho. Combination buck rake and stacker. 2,571,882, Oct. 16.

Hudson, Glen L.: *See*—
Hudson, Edgar W., and G. L.

Huebotter, Earl E., assignor to National Lead Company, Los Angeles, Calif. Electrodialytic treatment of well-drilling fluids. 2,571,247, Oct. 16.

Huelster, Otto J., Plymouth, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button fastener. 2,571,719, Oct. 16.

Hughes, Edward F., West Roxbury, Mass., Hairpin dispensing apparatus. 2,571,450, Oct. 16.

Hughes, Edward H., assignor to Exhibit Supply Company, Chicago, Ill. Puck delivering device. 2,571,365, Oct. 16.

Hulse, George E., assignor to Hercules Powder Company, Wilmington, Del. 2-methylene-1,3-propylene dichloride homopolymer. 2,571,883, Oct. 16.

Humiston, Norman E., Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich. Ship maneuvering control system. 2,571,451, Oct. 16.

Hunsinger, Johnathon W.: *See*—
Meredith, Frank D., and Hunsinger.

Hunt, Clayton E., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Control arrangement for facsimile apparatus. 2,571,720, Oct. 16.

Hunt, William T., Jr.: *See*—
Winchester, Amos J., Jr., and Hunt.

Hunter, Claud M., and W. W. Wingo, Wilburton, Okla. Automatic gate latch. 2,571,452, Oct. 16.

Hunter-Douglas Corporation, assignee: *See*—
Martin, Thomas.

Hupp, Edward E.: *See*—
Price, Harold W., and Hupp.

Hutt, Arthur R., Chatham, N. J., assignor to Air Reduction Company, Incorporated. Universal torch machine. 2,571,248, Oct. 16.

Hyde, James F., Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich. Preparing chlorosiloxanes. 2,571,884, Oct. 16.

Hyster Company, assignee: *See*—
Ehmann, Leslie G.

Ilford Limited, assignee: *See*—
Dickinson, Harold O.

Illinois Fannie May Candy Company, assignee: *See*—
Arnold, Fred J.

Imperial Chemical Industries Limited, assignee: *See*—
Waters, Edmund, and Wood.

Ingres, Jeannot G., Richmond, Va., assignor to Empire Electric Brake Company, Newark, N. J. Tractor-trailer brake system. 2,571,885, Oct. 16.

Interborough News Company, assignee: *See*—
Booth, George P., and Smith.

International Cigar Machinery Company, assignee: *See*—
Rundell, Rupert E.
Irmscher, Hans O., East Hempstead, N. Y., assignor to National Urn Bag Co. Inc. Infusion package with expandible bottom and manufacture thereof. 2,571,138, Oct. 16.
Jackson, Harold E., Great Barr, Birmingham, England, assignor to Cyril Kieft and Company, Bridgend, Wales. Electric switch. 2,571,453, Oct. 16.
Jackson Hydraulic Machine Co., Inc., assignee: *See*—
Jackson, Paul S.
Jackson, Paul S., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill. Control device. 2,571,886, Oct. 16.
Jacob, Mark L., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Wide range tuning indicator. 2,571,887, Oct. 16.
Jacobs, Robert L., assignee: *See*—
Bersche, Fridolin E.
Janssens van der Maelen, C. M. C., Crainhem, assignor to Société Continentale et Coloniale de Construction, Société Anonyme, Brussels, Belgium. Hollow article of concrete and the like. 2,571,578, Oct. 16.
Jardon, Fritz W., assignor to American Optical Company, Southbridge, Mass. Artificial eye. 2,571,721, Oct. 16.
Jeffrey Manufacturing Company, The, assignee: *See*—
Strawn, Orval B.
Jennings, Fredrick L., Long Beach, Calif. Portable mixing unit for chemicals and the like. 2,571,366, Oct. 16.
Jernberg, Bengt H.: *See*—
Vinell, Per G., and Jernberg.
Jesse, Klaus M., Wichita, Kans. Disposable baby bib. 2,571,888, Oct. 16.
Johns, Charles K.: *See*—
Hill, Charles, and Johns.
Johnson, Aage: *See*—
Hopkins, Marion D., and Johnson.
Johnson, J. Dean: *See*—
Pipkin, Marvin, and Johnson.
Johnson, Matthey & Company Limited, assignee: *See*—
Tucker, Norman A.
Johnson, Otto V., Gardner, Mass. Angularly adjustable beach seat. 2,571,139, Oct. 16.
Jones, Alonso C., assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada. Filament coil feeder. 2,571,579, Oct. 16.
Jones, Jack, Eden, Tex. Axially shifting type multiple cylinder operated tire removing machine. 2,571,249, Oct. 16.
Jones, Jesse E., Wauwatosa, and J. B. Reeves, Whitefish Bay, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Speed control for electric motors. 2,571,454, Oct. 16.
Jones, Lewis, deceased, late of Upwey, Weymouth, England, by W. T. Wilkinson, executor, Wimbledon, assignor to Vickers-Armstrongs Limited, London, England. Torpedo depth control gear. 2,571,722, Oct. 16.
Jones, Robert E., assignor to Merck & Co., Inc., Rahway, N. J. Selective oxidation of dihydroxy steroids. 2,571,889, Oct. 16.
Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Party line selective signaling system having code call. 2,571,250, Oct. 16.
Jones, Wilford D., Cresaptown, Md., assignor to Celanese Corporation of America. Polymeric carboxy amide compounds and their production. 2,571,251, Oct. 16.
Jonker, Johannes L. H., and A. J. W. M. van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electron discharge tube. 2,571,723, Oct. 16.
Jordan, John F.: *See*—
Knoblaugh, Armand F., and Jordan.
Jörgensen, Anders O., Traneberg, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden. Bearing device for relay armatures and the like. 2,571,580, Oct. 16.
Joy Manufacturing Company, assignee: *See*—
Ball, Charles F., and Woolf.
Judell, Julius S., Shorewood, assignor to Milwaukee Flush Valve Co., Milwaukee, Wis. Toilet flush valve. 2,571,367, Oct. 16.
Kagan, Simon, and I. Rothenberg, New York, N. Y. Shoulder pad. 2,571,890, Oct. 16.
Kahn, Leonard R., and D. S. Sanford, New York, N. Y. Aircraft radio range system. 2,571,368, Oct. 16.
Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Austin, Leslie W.
Hicks, James C., and Austin.
Woodward, Teynham.
Kamborian, Jacob S., West Newton, Mass. Continuous type lasting machine. 2,571,140, Oct. 16.
Kaplan, Benjamin B., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Counter display carton. 2,571,252, Oct. 16.
Kassan, John W.: *See*—
Kassan, Michael, and J. W.
Kassan, Michael, South St. Paul, and J. W. Kassan, St. Paul, Minn. Cooking apparatus for waffles and the like. 2,571,891, Oct. 16.
Kath, Alma K., Norwood Park, Ill. Combination bowler's and traveling bag. 2,571,892, Oct. 16.
Kearney, Thomas J., assignor to Detrex Corporation, Detroit, Mich. Degreasing machine. 2,571,581, Oct. 16.
Keeler Brass Company, assignee: *See*—
Clark, Earle W.
Keeney, Vaderon E., Marcola, Oreg. Flight attachment for chain conveyers. 2,571,724, Oct. 16.
Keiper, Bert F., Needham, Mass. Cutting tool. 2,571,455, Oct. 16.
Keiser, Bernhard: *See*—
De Groote, Melvin, and Keiser.
Keleher, William H., Chicago, Ill., assignor to Merchants Despatch Transportation Corporation and Northern Refrigerator Line, Incorporated. Refrigerator car ice bunker. 2,571,253, Oct. 16.
Keller, Robert T., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Manifold structure. 2,571,254, Oct. 16.
Kellogg, M. W., Company, The, assignee: *See*—
McGrath, Henry G., Passino, and Rubin.
Trumpler, Paul R.
Kellogg Switchboard and Supply Company, assignee: *See*—
Arthur, Richard P.
Kelsey, Walter, New York, N. Y. Side discharge grate for batch sintering machines. 2,571,582, Oct. 16.
Kelvin & Hughes Limited, assignee: *See*—
Reilly, Hugh L., Scrimshaw, and Lambert.
Kendall Company, The, assignee: *See*—
Elson, William O.
Kendall, Thomas L., Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich. Submersible vent cap. 2,571,893, Oct. 16.
Kennelly, Jeremiah D., Oak Park, Ill. Fluid shutter for light-projecting apparatus. 2,571,894, Oct. 16.
Kennelly, Jeremiah D., Oak Park, Ill. Warning light apparatus. 2,571,895, Oct. 16.
Kenyon, William O.: *See*—
Reynolds, Delbert D., and Kenyon.
Keresztesy, John C., Westfield, and E. L. Rickes, assignors to Merck & Co., Inc., Rahway, N. J. Recovery of riboflavin. 2,571,896, Oct. 16.
Kessler, Henry, New York, N. Y. Combination coat. 2,571,255, Oct. 16.
Keuning, Klaas J.: *See*—
Bos, Julius G., Haack, Dippel, and Keuning.
Bos, Julius G., Dippel, Houtman, Keuning, and Wijtses.
Kieft, Cyril, and Company Limited, assignee: *See*—
Jackson, Harold E.
Kilborn-Sauer Company, The, assignee: *See*—
Sauer, Frederick.
Kilburn Mill, assignee: *See*—
Bennett, Ralph M.
Kimball, Donald B., and W. H. McDowell, assignors to Eastman Kodak Company, Rochester, N. Y. Eliminating stain in photographic color material. 2,571,725, Oct. 16.
Kindseth, Harold V.: *See*—
Belcher, Daniel, and Kindseth.
King, Alexander H., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Refrigerant cooled intercooler. 2,571,256, Oct. 16.
King, John W., and J. J. McNamee, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio. Ball ear for containers. 2,571,369, Oct. 16.
King, Peter: *See*—
Alexander, Allen L., and King.
Kingsbury, Chadwick B.: *See*—
Carter, Ralph H., and Kingsbury.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Shaft gland. 2,571,257, Oct. 16.
Kistler, Samuel S., West Boylston, assignor to Norton Company, Worcester, Mass. Regenerative kiln. 2,571,897, Oct. 16.
Knapp, George E.: *See*—
Wells, Arthur A., and Knapp.
Knapp-Monarch Company, assignee: *See*—
Snyder, Leland H.
Knight, Horace S.: *See*—
Davis, Orris L., Knight, and Skinner.
Knoblaugh, Armand F., Cincinnati, and J. F. Jordan, Terrace Park, assignors to The Baldwin Company, Cincinnati, Ohio. Selective production of voices in electrical musical instruments. 2,571,141, Oct. 16.
Koch, Gustav H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Removable grille for ventilating apparatus. 2,571,726, Oct. 16.
Koft, Emil, Jr., Woodbury Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of 2,2'-dithienyl disulfide. 2,571,370, Oct. 16.
Koft, Emil, Jr., Woodbury Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Preparation of 2,2'-dithienyl sulfide. 2,571,371, Oct. 16.
Kohl, Charles F., Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Fluorohydrocarbon substituted methylsiloxanes. 2,571,090, Oct. 16.
Kolbach, Charles G., Union, N. J. Automatic spray nozzle valve for tubular spray bars. 2,571,583, Oct. 16.
Kolins, Thomas A., Akron, Ohio. Pneumatic tire shaping and vulcanizing apparatus. 2,571,258, Oct. 16.

Kolin, Edith, Dow City, Iowa. Truck for deep freezers. 2,571,456, Oct. 16.
Kollsman Instrument Corporation, assignee: *See*—
Andresen, John H., Jr.
Kondakow, Mikolaj, and J. Wong, Port Arthur, Ontario, Canada. Crimped cap remover. 2,571,898, Oct. 16.
Konet, Henry, Hohokus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyroscope. 2,571,727, Oct. 16.
Kroft, Herbert M., Baltimore, and M. P. Vore, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vibration pickup. 2,571,899, Oct. 16.
Kurz, Karl F., assignor to Stereocraft Engineering Co., Portland, Oreg. Stereoscopic transparency holder. 2,571,584, Oct. 16.
Kusiak, Stanley, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Joining angularly disposed sections of vulcanized rubber strip stock. 2,571,259, Oct. 16.
Kutsler, Robert J., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic pilot. 2,571,260, Oct. 16.
Kuykendall, William C., Modesto, Calif. Can opener. 2,571,728, Oct. 16.
Kysor, Karl D.: *See*—
Rich, Stanley R., and Kysor.
Kysor-Rich Corporation, assignee: *See*—
Rich, Stanley R., and Kysor.
Ladisch, Rolf K., Drexel Hill, Pa. Spinning filaments. 2,571,457, Oct. 16.
Lamb, Homer M., Thompsonville, Ill. Bridle power sealed connection. 2,571,261, Oct. 16.
Lambert, Francis M., Narberth, Pa. Ventilator. 2,571,585, Oct. 16.
Lambert, Peter C.: *See*—
Reilly, Hugh L., Scrimshaw and Lambert.
Lambou, Madeline G.: *See*—
Altschul, Aaron M., Condon, and Lambou.
Landis Machine Company, The, assignee: *See*—
Reimschissel, Charles A., and Davies.
Landis Tool Company, assignee: *See*—
Price, Ralph E.
Lando, Fred G., Crystal Lake, Ill. Door dewarping device. 2,571,142, Oct. 16.
Lane, Frank B., Silver Spring, assignor to Engineering and Research Corporation, Riverdale, Md. Aircraft of the reaction propulsion type. 2,571,586, Oct. 16.
Langbein, Charles, assignee: *See*—
Braccio, Michael.
Langbein, Emil, assignee: *See*—
Braccio, Michael.
Langbein, William, assignee: *See*—
Braccio, Michael.
Langbein, Wm., & Bros., assignee: *See*—
Braccio, Michael.
Langer, Joseph, Bronx, N. Y. Film handling means for developing tanks. 2,571,900, Oct. 16.
Larson, Robert H.: *See*—
Tyler, Merle D., and Larson.
Latchum, John W., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon conversion utilizing Friedel-Crafts catalysts. 2,571,262, Oct. 16.
Lattuca, John, New York, N .Y. Oscillating noise maker for toy pistols. 2,571,587, Oct. 16.
Lawlor, Francis E., Niagara Falls, assignor to Niagara Alkali Company, New York, N. Y. Chlorinating process. 2,571,901, Oct. 16.
Lawrence, Bert F., and E. E. Lawrence, Portland, Oreg. Ice-cream disher. 2,571,729, Oct. 16.
Lawrence, Emma E.: *See*—
Lawrence, Bert F., and E. E.
Lawrence, Howard C., Jr., Delaware Township, Camden County, N. J., and R. R. Freas, Jr., Jermyn, Pa., assignors to Radio Corporation of America. Temperature compensated diode measuring circuits. 2,571,458, Oct. 16.
Lee, James E., Grand Haven, and F. Barney, Spring Lake, assignors to The Challenge Machinery Company, Grand Haven, Mich. Printer's quoin. 2,571,263, Oct. 16.
Lees, James, and Sons Company, assignee: *See*—
Gebert, Russell C., and Eberwein.
Legarra, Phillip H., West Los Angeles, assignor of one-half to J. E. McPhee, Culvert City, Calif. Swivel spoon. 2,571,264, Oct. 16.
Leland, George H., Dayton, Ohio. Alternating-current rectifier of the selenium type. 2,571,588, Oct. 16.
Leslie, Eugene H., Ann Arbor, Mich. Desolventising of solvent-extracted solid particles. 2,571,143, Oct. 16.
Lenfvén, Axel G. E., Goteborg, Sweden. Hydraulic tensioning nut. 2,571,265, Oct. 16.
Levay, Eugene, New York, N. Y. Toy stick horse. 2,571,266, Oct. 16.
Lever, Harry J., Racine, Wis. Glass washer. 2,571,902, Oct. 16.
Lewis, Beulah M., Wilinksburg, Pa. Splash guard. 2,571,730, Oct. 16.
Lewis, Charles W.: *See*—
Ulmschneider, Lawrence A., and Lewis.
Lewis, David G., East Palo Alto, Calif. Window construction. 2,571,731, Oct. 16.
Lewis, Richard W., and A. Linton, Hawkhill, Dundee, Scotland, assignors to Burndept Limited, London, England. Primary electric cell. 2,571,732, Oct. 16.
Libbey-Owens-Ford Glass Company, assignee: *See*—
Dubois, Henri.
Howald, Arthur M., and Meyer.
Lidin, Sigfrid E., Traneberg, assignor to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden. Pivot bearing for windows. 2,571,733, Oct. 16.
Lindabury, Tryon S., Overland, Mo. Temperature regulating and control valve. 2,571,734, Oct. 16.
Lindell, Carl G., Minneapolis, Minn. Boring attachment for electric hand drills. 2,571,589, Oct. 16.
Lindell, Sigurd I., Chicago, Ill., assignor to S & C Electric Company. Fuse construction. 2,571,735, Oct. 16.
Lindsay, Wesley N., and P. C. Wilbur, San Jose, Calif., assignors to Food Machinery and Chemical Corporation. Method of and apparatus for producing dried whole eggs. 2,571,459, Oct. 16.
Lindstaedt, Frank F., San Anselmo, and C. Fischer, Corte Madero, Calif. Bag closing machine. 2,571,460, Oct. 16.
Linton, Alfred: *See*—
Lewis, Richard W., and Linton.
Lion Manufacturing Corporation, assignee: *See*—
Hooker, Donald E.
Livingston, Walter R., Upper Darby, and B. W. Hancox, Springfield, Pa. Tourniquet. 2,571,461, Oct. 16.
Ljunggren, Thor H., Charlestown, N. H., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Spinning spindle. 2,571,267, Oct. 16.
Lobl, Frederick, Middleboro, Mass. Bag-type container and closure therefor. 2,571,144, Oct. 16.
Locke Steel Chain Company, The, assignee: *See*—
Newman, Ernest W.
Loewi, Mortimer W., Golden Beach, Fla., O. G. Furman, St. Albans, N. Y., and B. L. Mueller, Woodridge, assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Rotatable cabinet and mechanism. 2,571,903, Oct. 16.
Lofgren, Charles O., Ann Arbor, Mich., assignor to American Broach & Machine Company. Broaching machine. 2,571,904, Oct. 16.
Logic, Charles R., South Milwaukee, Wis. Opening containers. 2,571,590, Oct. 16.
Lohman, Ralph W., Portland, Oreg. Electric steam generator. 2,571,462, Oct. 16.
London, Milton H., Detroit, Mich. Ticket pad. 2,571,268, Oct. 16.
Longini, Richard L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Zinc sulfide X-ray phosphors. 2,571,905, Oct. 16.
Lord, Francis L. B., assignor of one-fourth to V. C. Grew, Orange, N. J., and three-eighths to E. T. Roe, Pleasantville, N. Y. Battery terminal connector. 2,571,145, Oct. 16.
Lorens, Anton, Buffalo, N. Y. Foldable reclining article of furniture. 2,571,463, Oct. 16.
Love, Rosalie, Los Angeles, Calif. Venetian blind cleaner. 2,571,906, Oct. 16.
Luccous, John C.: *See*—
Otis, Herbert C., Luccous, and Miller.
Ludwig, Johannes P., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Straight knitting machine. 2,571,591, Oct. 16.
Ludwig, Leon B., T. C. Fockler, and W. H. Formhals, Buffalo, N. Y., and H. T. Walton, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Convertible motor. 2,571,907, Oct. 16.
Lummus Company, The, assignee: *See*—
Bloomer, Ward J.
Lundstrom, Ida, St. Louis, Mo. Pull cord supporting bracket. 2,571,592, Oct. 16.
Lyman, Kenneth E., Lake Forest, assignor to Tucker Corporation, Chicago, Ill. Automobile spring suspension. 2,571,736, Oct. 16.
Lyman, Kenneth E., Lake Forest, assignor to The Tucker Corporation, Chicago, Ill. Automobile frame suspension. 2,571,908, Oct. 16.
Lyon, George A., Detroit, Mich. Buffing wheel and making same. 2,571,146, Oct. 16.
Lyon, George A., Detroit, Mich. Buffing wheel and making the same. 2,571,147, Oct. 16.
Lyon, George A., Detroit, Mich. Making buffing wheels. 2,571,148, Oct. 16.
Lyon Industries, Inc., assignee: *See*—
Nicholson, Ralph A.
Maciejowski, John J., Ipswich, and R. W. Daniels, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Leather compacting and burnishing. 2,571,149, Oct. 16.
Maciejowski, John J., Wenham, and R. W. Daniels, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating and handling heavy leather. 2,571,269, Oct. 16.
Magnenat, René P., assignor to Waterbury Companies, Incorporated, Waterbury, Conn. Hinged cover plastic box. 2,571,909, Oct. 16.
Malter, Louis: *See*—
Boyd, Malcolm R., and Malter.
Manci, Rudolph, assignee: *See*—
Fontecchio, Anthony.

Mandl, Siegmund: *See*—
Pfeuser, Edward M., and Mandl.
Manner, Frank S., Waterbury, Conn. Combined can opener and pitcher. 2,571,464, Oct. 16.
Manning, Maxwell & Moore, Inc., assignee: *See*—
Chapin, William S., Jr.
Manteufel, Allan, Union, and W. D. Gilson, Evanston, assignors to The Pure Oil Company, Chicago, Ill. Sulfurising terpene hydrocarbons. 2,571,737, Oct. 16.
Manufacture des Glaces et Produits Chimiques de St. Gobain Chauny & Cirey, assignee: *See*—
Del Buttero, Enzo.
Marbury, Ralph E., and H. A. Travers, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective system for series capacitors. 2,571,910, Oct. 16.
March, Bernice, Chicago, and E. E. Moore, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Preparation of stable leuco toluidine blue O solutions. 2,571,593, Oct. 16.
Marchese, Raymond R., Pittsburgh, Pa. Shielding device. 2,571,270, Oct. 16.
Marks, Henry C., Glen Ridge, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Sterilization of ion exchange bodies. 2,571,271, Oct. 16.
Markvart, Edwin J., assignor to Spengler-Loomis Manufacturing Company, Rockford, Ill. Pencil sharpener. 2,571,738, Oct. 16.
Marquette Metal Products Company, The, assignee: *See*—
Gorske, Stanley F.
Young, Robert L.
Marsh, Glenn A., Crystal Lake, assignor to The Pure Oil Company, Chicago, Ill. Prevention of corrosion of structural metals by hydrogen sulfide, air, and water. 2,571,739, Oct. 16.
Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of guanidine salts. 2,571,911, Oct. 16.
Marsh, Nat H., Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of melamine. 2,571,912, Oct. 16.
Marson, Harry W., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of aromatic disulfides. 2,571,740, Oct. 16.
Martin, Charles S., Leicester, L. H. Colton, West Bridgford, Nottingham, and A. E. Cooke, Leicester, England. Stop motion for knitting machines. 2,571,913, Oct. 16.
Martin, George J., Detroit, Mich. Neck resizer and bullet seater. 2,571,272, Oct. 16.
Martin & Schwartz, Inc., assignee: *See*—
Chevallier, George E.
Martin, Thomas, assignor, by mesne assignments, to Hunter-Douglas Corporation, Riverside, Calif. Plastic Venetian blind tape. 2,571,372, Oct. 16.
Mascuch, Joseph J., assignee: *See*—
Elderkin, James K., and Strassner.
Massecar, Aubrey W., Huntington Park, Calif., assignor, by mesne assignments, to C. E. Doolin. Griddlecake machine. 2,571,373, Oct. 16.
Mayes, Emil W., assignor of one-half to A. B. Heagle, Stanley, Wis. Railroad tie remover. 2,571,914, Oct. 16.
Maxwell, William A.: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.
Mayer, Charles M., assignor to The Tappan Stove Company, Mansfield, Ohio. Burner grate. 2,571,741, Oct. 16.
Mayer, Max J., Scarsdale, N. Y. Seed for production of titanium dioxide and making same. 2,571,150, Oct. 16.
Mayr, Adalbert I., Milwaukee, assignor to T. Mayr, Kiel, Wis., as trustee. Ventilating fan. 2,571,374, Oct. 16.
Mayr, Theresa, trustee: *See*—
Mayr, Adalbert I.
McCabe, Eugene A.: *See*—
Doolittle, James C., and McCabe.
McCarthy, F. J., Inc., assignee: *See*—
Greeley, Leo O.
McCleary, Rush F., Beacon, and J. A. Patterson, Newburgh, assignors to The Texas Company, New York, N. Y. 3-chlorothianaphthene. 2,571,742, Oct. 16.
McClure, Carroll D.: *See*—
Conover, George E., and McClure.
McConnell, A. H., assignee: *See*—
Wagner, William L.
McCoubrey, Arthur O., Forest Hills, assignor, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Direct-current amplifier. 2,571,915, Oct. 16.
McCullough, Patrick E., Chicago, Ill. Joint for roofing or like sheets. 2,571,273, Oct. 16.
McDevitt, John W., Davenport, Iowa. Adjustable cake cutter. 2,571,465, Oct. 16.
McDowell, Wendell H.: *See*—
Kimball, Donald B., and McDowell.
McDyer, Thelma W., and R. D. Closson, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y. Conversion of hexaalkyldilead to tetraalkyllead. 2,571,987, Oct. 16.
McGrath, Henry G., Elizabeth, H. J. Passino, Englewood, and L. C. Rubin, West Caldwell, assignors to The M. W. Kellogg Company, Jersey City, N. J. Separation of organic compounds. 2,571,151, Oct. 16.
McGraw Electric Company, assignee: *See*—
Nelson, Rolland D.
Schultz, William O.
Steinmayer, Alwin G.
McIver, Birth A., assignee: *See*—
Boyer, Martin.
McKinley, Major R., Monongahela, Pa. Pipe-line device. 2,571,916, Oct. 16.
McKinsey, Clarence E., Painesville, Ohio, assignor to General Electric Company. Swaging machine and feeder therefor. 2,571,594, Oct. 16.
McLeary, Edward J., Soap Lake, Wash. Wheelbarrow having auxiliary supporting frame. 2,571,595, Oct. 16.
McNally, James G.: *See*—
Dickey, Joseph B., and McNally.
McNamee, James J.: *See*—
King, John W., and McNamee.
McNaughton, Kent W., Angelica, N. Y. Micrometer caliper assembly. 2,571,152, Oct. 16.
McOrily, Joseph, Wilkinsburg, assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating unit. 2,571,274, Oct. 16.
McPhee, James E., assignee: *See*—
Legarra, Philip H.
Meaker, Mabel S., Euclid, Ohio. Selective feeder for wild birds. 2,571,275, Oct. 15.
Melanson, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Device for use in the adhesive attachment of edge bindings to shoe platforms. 2,571,276, Oct. 16.
Meninger, Stephen H., Clifton, N. J. Apparatus for drying articles of clothing or wearing apparel. 2,571,918, Oct. 16.
Mennesson, Marcel, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France. Opposed contact gauge and guide. 2,571,917, Oct. 16.
Merchants Despatch Transportation Corporation, assignee: *See*—
Keleher, William H.
Mercier, Ernest, and M. Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga. Apparatus for converting reciprocating motion to rotary motion. 2,571,153, Oct. 16.
Mercier, Jean, New York, N. Y. Servo pressure regulator valve. 2,571,154, Oct. 16.
Merck & Co., Inc., assignee: *See*—
Dulaney, Eugene L.
Folkers, Karl, and Holly.
Harris, Stanton A., Mosingo, Arth, and Folkers.
Jones, Robert E.
Keresstesy, John C., and Rickes.
Pfister, Karl, III, and Tishler.
Pfister, Karl, III, Robinson, and Tishler.
Trenner, Nelson R., and Bacher.
Meredith, Frank D., and J. W. Hunsinger, Burlington, Vt., assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Commodity vending and coin change control machine. 2,571,596, Oct. 16.
Merrell, Wm. S., Company, The, assignee: *See*—
Shelton, Robert S., and Van Campen.
Merrill, Sidney B., assignee: *See*—
Allen, William M.
Messant, Louis, Raubaix, France, assignor to Pratt, Read and Company, Inc., Ivoryton, Conn. Piano action. 2,571,155, Oct. 16.
Metcalfe, Clifford, Ruislip, and A. J. Rae, Southall, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Apparatus for automatically playing gramaphone records. 2,571,466, Oct. 16.
Metron Instrument Company, assignee: *See*—
Floyd, Frederick K., and Custer.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,571,467, Oct. 16.
Meyer, Alvin L.: *See*—
Cleland, James E., and Meyer.
Meyer, Edgar J., Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass. Reflecting image-forming optical system for instruments. 2,571,743, Oct. 16.
Meyer, Leonard S.: *See*—
Howald, Arthur M., and Meyer.
Michie, John S., and P. B. Reeves, assignors to Reeves Pulley Company, Columbus, Ind. Variable-speed drive control for spinning frames. 2,571,920, Oct. 30.
Midouhas, Stephen P., Bristol, Pa. Combined container and toy. 2,571,744, Oct. 16.
Midwest Co., The, assignee: *See*—
Greedy, Edwin F., and Schaaf.
Mikina, Stanley J.: *See*—
Hanna, Clinton R., and Mikina.
Miles Park Machine & Tool, Inc., assignee: *See*—
King, John W., and McNamee.
Milford Shoe Co., assignee: *See*—
Sherbrook, Victor A.
Millard, Robert K., Ingomar, Pa. Coke-oven buckstay structure. 2,571,597, Oct. 16.
Miller, Charles E., Indianapolis, Ind., assignor to Radio Corporation of America. Radio receiver sequence tuner. 2,571,598, Oct. 16.
Miller, Edwin A., Fairfield, Conn. Cantilever shiftable switch blade. 2,571,468, Oct. 16.
Miller, Ira A.: *See*—
Otis, Herbert C., Luccous, and Miller.

Miller, William M., Junction City, Oreg. Combine machine. 2,571,469, Oct. 16.
Milligan, William B., Albany, assignor to Shell Development Company, San Francisco, Calif. Continuous determination of fluid mixture compositions. 2,571,470, Oct. 16.
Milne, James T. G., Hatch End, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Apparatus for joining thermoplastic material. 2,571,599, Oct. 16.
Milwaukee Flush Valve Co., assignee: *See*—
Judell, Julius S.
Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Dentler, Arnold E.
Minerals Separation North American Corporation, assignee: *See*—
Greene, Ernest W.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Cole, George H., Hoel, Neuendorf, and Corneaby.
Kutsler, Robert J.
Moses, Thomas A., Jr.
Mouson, James C.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Kaplan, Benjamin B.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Ward, Clarence E.
Moore, Edmond E.: *See*—
March, Bernice, and Moore.
Moore, Inc., assignee: *See*—
Mercier, Ernest, and Ehlinger.
Morgan, Jerome P.: *See*—
Patterson John A., and Morgan.
Morgenstern, David M., Cleveland, Ohio. Vehicle lamp held in position by resilient clamps. 2,571,375, Oct. 16.
Morrell, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Concentrating aqueous acid solutions utilising combinations of low and high boiling solvents. 2,571,919, Oct. 16.
Morris, Robert, Flushing, N. Y. Atomiser of single piece construction. 2,571,921, Oct. 16.
Morrison, Harry F., Moran, Kans. Tractor tires. 2,571,922, Oct. 16.
Morrison, Joseph I., Lincolnwood, Ill. Liquid cooling apparatus. 2,571,923, Oct. 16.
Morrison, Joseph I., Lincolnwood, Ill. Ice forming and ice melting cooling system. 2,571,924, Oct. 16.
Morrow, James B., Meadow, Tex. Grain storage terminal. 2,571,277, Oct. 16.
Moses, Thomas A., Jr., Edina, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus for aircraft. 2,571,745, Oct. 16.
Mouson, James C., Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Conversion apparatus. 2,571,746, Oct. 16.
Mosingo, Ralph: *See*—
Harris, Stanton A., Mosingo, Arth, and Folkers.
Mueller, Bernard L.: *See*—
Loewi, Mortimer W., Furman, and Mueller.
Mueller Co., assignee: *See*—
Mueller, Lucien W., Bowan, and Gould.
Tratzik, Frederick.
Mueller, Herman G., Erie, Pa. Fluid pressure means for adjusting the valve gear for steam engines. 2,571,278, Oct. 16.
Mueller, Lucien W., W. J. Bowan, and W. E. Gould, assignors to Mueller Co., Decatur, Ill. Valve. 2,571,925, Oct. 17.
Multenna Corporation, assignee: *See*—
Bettan, Martin.
Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bolt fastener. 2,571,747, Oct. 16.
Murray, Arthur, III, and A. R. Ronsio, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of organic materials. 2,571,926, Oct. 16.
Myklestad, Nils O., Urbana, Ill. Shock absorber. 2,571,279, Oct. 16.
Naggi, Angel J., Allentown, Pa. Attachment for articulators. 2,571,280, Oct. 16.
National Battery Company, assignee: *See*—
Rupp, John L.
National Camera Works, assignee: *See*—
Swinnerton, Gerald.
National Cash Register Company, The, assignee: *See*—
Zurbuchen, Louis E.
National Dairy Products Corporation, assignee: *See*—
Horton, Ralph.
National Lead Company, assignee: *See*—
Huebotter, Earl E.
National Supply Company, The: *See*—
Cordrey, Richard N., and Wright.
National Supply Company, The, assignee: *See*—
Hanners, Harvey W., and Areson.
National Urn Bag Co. Inc., assignee: *See*—
Irmscher, Hans O.
Nave, Alfred E., assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Door for refrigerator compartments. 2,571,600, Oct. 16.
Neal, Frank, Cattaraugus, N. Y. Rolling cart. 2,571,601, Oct. 16.
Neely, De Forest F., Kansas City, Mo. Apparatus for manufacture of type fonts. 2,571,471, Oct. 16.
Neher, Eldon P., North Manchester, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio. Resilient mounting. 2,571,281, Oct. 16.
Nelson, Richard B., Schenectady, N. Y., assignor to General Electric Company. Ultra high frequency field responsive apparatus. 2,571,156, Oct. 16.
Nelson, Rolland D., Hales Corners, Wis., assignor to McGraw Electric Company. Short-circuiting fuse construction. 2,571,472, Oct. 16.
Neracher, Carl A., and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Shift control and servoactuating means for power transmissions. 2,571,473, Oct. 16.
Neuendorf, Harold E.: *See*—
Cole, George H., Hoel, Neuendorf, and Corneaby.
Neumann, Georg, and U. Gotteamann, assignors to "Bureau Technique Gautrat," S. A. R. L., Paris, France. Electrolytic cell and, in particular, alkaline cell. 2,571,927, Oct. 16.
Neuser, Edwin P., Francis Creek, Wis. Carburetor choke. 2,571,602, Oct. 16.
Newberg, Raymond G., Cranford, N. J., assignor to Standard Oil Development Company. Resinous compositions comprising a styrene isoolefin copolymer and a vinyl polymer. 2,571,928, Oct. 16.
Newman, Ernest W., Newtown, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Sprocket chain package. 2,571,748, Oct. 16.
Newton, Fred P., Gainesville, and L. M. Barker, Wichita Falls, Tex. Sport seat. 2,571,282, Oct. 16.
Niagara Alkali Company, assignee: *See*—
Lawlor, Francis E.
Nicholson, Ralph A., Chicago, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y. Automatic beverage dispensing apparatus. 2,571,283, Oct. 16.
Niles-Bement-Pond Company, assignee: *See*—
Potter, William W., and Fuller.
Ross, Walter F.
Nims, Albert A., Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulse counter circuit. 2,571,929, Oct. 16.
Nims, Paul T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,571,284, Oct. 16.
Noble, Wiley B., assignor to Reed Roller Bit Company, Houston, Tex. Drill bit. 2,571,930, Oct. 16.
North American Rayon Corporation, assignee: *See*—
Carter, Ralph H., and Kingsbury.
Northern Refrigerator Line, Incorporated, assignee: *See*—
Keleher, William H.
Northrop Aircraft Inc., assignee: *See*—
Taylor, Philip H.
Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Fluid heating. 2,571,749, Oct. 16.
Norton Company, assignee: *See*—
Kistler, Samuel S.
Novo Terapeutisk Laboratorium A/S, assignee: *See*—
Frederiksen, Svend E.
Noyes, Stanley E., Glendale, Calif. Stress breaker. 2,571,931, Oct. 16.
Nu-Swift, Limited, assignee: *See*—
Henshaw, Thomas A.
Ochs, Sidney A., and O. E. Fishburn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power-transmitting mechanism. 2,571,474, Oct. 16.
O'Donnell, Michael V., Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Leaf spring band construction. 2,571,475, Oct. 16.
Oehler, William P., assignor to Deere & Company, Moline, Ill. Press wheel scraper. 2,571,285, Oct. 16.
Offutt, William V., Downey, Calif. Fluid mixing system. 2,571,476, Oct. 16.
O'Halloran, William F., Greensburg, Pa. Child's vehicle. 2,571,750, Oct. 16.
O'Hern, Maurice D., Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill. Slack adjuster. 2,571,376, Oct. 16.
Ohio Rubber Company, The, assignee: *See*—
Baker, John C.
Okonite-Callender Cable Company, Incorporated, The, assignee: *See*—
Garrison, Vernon L.
Olah, George, Ealing, assignor to Precision Developments Company Limited, London, England. Rotary displacement pump. 2,571,377, Oct. 16.
Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Manufacture of high molecular weight thioethers. 2,571,157, Oct. 16.
Olsson, Bengt, Brooklyn, N. Y. Apparatus for pumping viscous materials. 2,571,932, Oct. 16.
Olsson, Paul, and R. E. Frink, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Air circuit breaker. 2,571,933, Oct. 16.
Orlansky, Jesse, New York, N. Y. Illuminated aircraft wing tip. 2,571,158, Oct. 16.

Orlowsky, Wassyl A., New York, N. Y. Loading and unloading attachment for automotive vehicles. 2,571,751, Oct. 16.

Osgood, Walter P., Malden, Mass. Power transmission mechanism. 2,571,159, Oct. 16.

Osten, Fred C., Sr., Detroit, Mich. Window adjustment. 2,571,477, Oct. 16.

Otis, Herbert C., Dallas, Tex. Well device. 2,571,478, Oct. 16.

Otis, Herbert C., and J. C. Luccous, Dallas, and I. A. Miller, Houston, Tex. Pipe cutter. 2,571,934, Oct. 16.

Otto, Julian A., Long Island City, and E. E. Gilbert, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Sulfonated alcohols. 2,571,286, Oct. 16.

Overbaugh, Walter V., Fishkill, assignor to The Texas Company, New York, N. Y. Separation of oil from wax. 2,571,752, Oct. 16.

Overhead Door Corporation, assignee: *See*—
Blodgett, Herbert C.

Pachmayr, Frank A., Culver City, and R. H. Stokes, Los Angeles, Calif. Telescopic sight mount. 2,571,935, Oct. 16.

Parisi, Charles W., Maywood, assignor to J. T. Parisi, Chicago, Ill., doing business as Pekay Machine Company. Level indicator. 2,571,378, Oct. 16.

Parisi, Jules T., assignee: *See*—
Parisi, Charles W.

Parker, Paul T., and G. O. Hillard, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Oxo synthesis process. 2,571,160, Oct. 16.

Parks, Regis E., Brooklyn, assignor to Spacarb, Inc., New York, N. Y. Cup guiding device. 2,571,479, Oct. 16.

Parsons, John B., Maumee, Ohio. Fluid conduit device for vehicle doors. 2,571,379, Oct. 16.

Passino, Herbert J.: *See*—
McGrath, Henry G., Passino, and Rubin.

"Patelhold" Patentverwertungs- & Elektro-Holding A.-G., assignee: *See*—
Balduzzi, Franco.

Patterson, John A.: *See*—
McCleary, Rush F., and Patterson.

Patterson, John A., Beverly, and J. P. Morgan, Maplewood, N. J., assignors to Standard Oil Development Company. Sorption of hydrocarbons by activated carbon. 2,571,936, Oct. 16.

Patterson, Joseph C., Jr., Washington, D. C. Control apparatus. 2,571,480, Oct. 16.

Paysant, Henry H., Seattle, Wash., assignor, by mesne assignments, to Timber Structures, Inc. Apparatus for scarfing board ends. 2,571,603, Oct. 16.

Paysant, Henry H., Seattle, Wash., assignor, by mesne assignments, to Timber Structures, Inc., Portland, Oreg. Manufacture of laminated wooden members. 2,571,604, Oct. 16.

Peck, Edson R., Evanston, Ill., assignor to Research Corporation, New York, N. Y. Interferometer with right-angle reflector surfaces at end of each divided beam. 2,571,937, Oct. 16.

Peguero, Lawrence O., Beaumont, Tex. Bobby-pin dispenser and spreader. 2,571,481, Oct. 16.

Pekay Machine Company, assignee: *See*—
Parisi, Charles W.

Penick, Joe E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Regenerating adsorptive material. 2,571,380, Oct. 16.

Pennington, Esther K., Oak Park, Ill. Storage crib. 2,571,753, Oct. 16.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Gall, John F.

Perkin-Elmer Corporation, The, assignee: *See*—
Baxter, Frederic L., Jr.

Perkins, Fred, York, Pa. Prolonging the life of a storage battery. 2,571,754, Oct. 16.

Petcar Research Corporation, assignee: *See*—
Peters, Melville F.

Peters, Alfred H., Davis, Calif. Leveling device. 2,571,287, Oct. 16.

Peters, Melville F., East Orange, assignor to Petcar Research Corporation, Newark, N. J. Temperature-responsive system of the bridge circuit type. 2,571,605, Oct. 16.

Peterson, Esther, New York, N. Y. Foot mop. 2,571,606, Oct. 16.

Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.

Pettit, William T., Youngstown, Ohio. Container. 2,571,482, Oct. 16.

Petzinger, Ambrose J., Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Meter with supervisory warning indicator. 2,571,938, Oct. 16.

Pfauser, Edward M., Elm Grove, and S. Mandl, assignors to Blackhawk Mfg. Co., Milwaukee, Wis. Ratchet mechanism. 2,571,939, Oct. 16.

Pfister, Karl, III, Westfield, N. J., C. A. Robinson, Cambridge, Mass., and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparation of threonine and intermediates therefor. 2,571,755, Oct. 16.

Pfister, Karl, III, Scotch Plains, and M. Tishler, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Oxazolines. 2,571,940, Oct. 16.

Pharma-Craft Corporation, The, assignee: *See*—
Vuillemenot, Robert P.

Philco Corporation, assignee: *See*—
Tellier, Joseph C.

Phillips Petroleum Company, assignee: *See*—
Crouch, Willie W.
Latchum, John W., Jr.

Phoenix Hosiery Company, assignee: *See*—
Ludwig, Johannes P.

Pierce, John B., Foundation, assignee: *See*—
Stilwell, William E., Jr.

Pinkerton, Harold R.: *See*—
Schlonau, Max, and Pinkerton.

Pioneer Gen-E-Motor Corporation, assignee: *See*—
Boyce, Eugene L., and Burrows.

Piper, Frank R., and J. M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga. Automatic sheet cutting and stacking machine. 2,571,941, Oct. 16.

Pipkin, Marvin, Cleveland Heights, and J. D. Johnson, Bellevue, Ohio, assignors to General Electric Company. Coated flash lamp and manufacture thereof. 2,571,607, Oct. 16.

Pittsburgh Corning Corporation, assignee: *See*—
Ford, Walter D.

Plagge, Vernon L., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Method and apparatus for connecting articles with a graded coating of glass. 2,571,608, Oct. 16.

Plywood Research Foundation, assignee: *See*—
Hallonquist, Earl G.

Point-O-Matic Pencil Co., Inc., assignee: *See*—
Buell, Paul W.

Poole, Foster M., Dallas, Tex. Automatic recording tube calipers for inside measurements within cylinders. 2,571,161, Oct. 16.

Poor & Company, assignee: *See*—
Armstrong, Victor C.
Grant, John L.

Pope, Marion R., Broken Bow, Okla. Apparatus for use in planting sweet potatoes. 2,571,483, Oct. 16.

Potter, Albert T., assignor to Ainsworth Manufacturing Corporation, Detroit, Mich. Bomb release mechanism. 2,571,381, Oct. 16.

Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool. 2,571,288, Oct. 16.

Potter, William W., and A. J. Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Machine tool. 2,571,289, Oct. 16.

Powell, Virgil S., Cedar Rapids, Iowa. License and key container. 2,571,609, Oct. 16.

Pratt, Burt C.: *See*—
Arthur, Paul, Jr., and Pratt.

Pratt, Read and Company, Inc., assignee: *See*—
Messant, Louis.

Precision Developments Company Limited, assignee: *See*—
Olah, George.

Press, Donald: *See*—
Sale, Frank, and Press.

Pribus, Clarence W.: *See*—
Bing, Herbert A., and Pribus.

Pribus, Clarence W., assignor to Eastman Kodak Company, Rochester, N. Y. Toggle driven photographic shutter. 2,571,756, Oct. 16.

Price, Harold W., Bradenton, Fla., and E. E. Hupp, assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,571,162, Oct. 16.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Hydraulic feed mechanism. 2,571,610, Oct. 16.

Process Plants Division of Industrial Process Engineers, assignee: *See*—
Brothman, Abraham.

Propersi, Rudolph, East Rochester, N. Y. Machine for feeding paper. 2,571,942, Oct. 16.

Pruitt, Vestus E., Sr., Hobbs, N. Mex. Exercising health device. 2,571,757, Oct. 16.

Puls, George: *See*—
Slaughter, Gibbs M., and Puls.

Purcell, Howard M., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Fluid operable device. 2,571,758, Oct. 16.

Pure Oil Company, The, assignee: *See*—
Bond, Donald C., and Savoy.
Ellison, Lynn E.
Manteuffel, Allen, and Gilson.
Marsh, Glenn A.

Quigley, James E., Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw insert. 2,571,290, Oct. 16.

Quinn, Edward: *See*—
Duplessis, René E., and Quinn.

Quinn, Martin F., and B. K. Bright, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Continuous process for polymerizing aliphatic aldehydes. 2,571,759, Oct. 16.

REF Manufacturing Corporation, assignee: *See*—
Greenup, Francis T.

Radio Corporation of America, assignee: *See*—
Atwood, John B.
Boyd, Malcolm R., and Malter.
Hotine, William.
Lawrence, Howard C., Jr., and Freas.
Miller, Charles E.
Sarnoff, David.
Snyder, Richard L., Jr.
Temple, George L.
Willman, Richard C.

Rae, Alexander J.: *See*—
Metcalfe, Clifford, and Rae.

Ramsey Corporation, assignee: *See*—
Chalx, Ernest T.

Rast, Julius H.: *See*—
Williams, John J., and Rast.

Rathbun, Kenneth C., Clemson, S. C., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for forming colloidized plastics. 2,571,760, Oct. 16.

Rauland Corporation, The, assignee: *See*—
Szegho, Constantin S.

Raven, Albert L., Mount Vernon, N. Y. Projection screen support. 2,571,382, Oct. 16.

Ray, Helen M., and R. A. Ray, Kenosha, Wis., said Ralph A. Ray assignor by decree of distribution to said Helen M. Ray. Cooking range rack mainpulator. 2,571,943, Oct. 16.

Ray, Ralph A.: *See*—
Ray, Helen M., and R. A.

Reed, Charles C.: *See*—
Upham, Sidney D., and Reed.

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,571,291, Oct. 16.

Reed, Merrill, D., assignee: *See*—
Bush, Arthur C.

Reed Roller Bit Company, assignee: *See*—
Noble, Wiley B.

Reef, Albert H., assignee: *See*—
Vogel, Frank.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Sheet metal panel straightening device. 2,571,292, Oct. 16.

Reeves, James B.: *See*—
Jones, Jesse E., and Reeves.

Reeves, Paul B.: *See*—
Michle, John S., and Reeves.

Reeves Pulley Company, assignee: *See*—
Michle, John S., and Reeves.

Reid, Vernon D., Sr., Westlake, La. Kiddy swing. 2,571,611, Oct. 16.

Reilly, Hugh L., F. H. Scrimshaw, and P. C. Lambert, Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland. Computing or indicating apparatus. 2,571,484, Oct. 16.

Reimschissel, Charles A., and H. E. Davies, assignors to The Landis Machine Company, Waynesboro, Pa. Adjustable gib chaser holder. 2,571,944, Oct. 16.

Reiskin, Augusta G., Brooklyn, N. Y. Mirror arrangement for compacts. 2,571,485, Oct. 16.

Reliance Electric & Engineering Co., The, assignee: *See*—
Hayes, Robert R.

Rennie, John A., Laurelton, assignor to Boorum and Pease Company, Brooklyn, N. Y. Loose-leaf binder. 2,571,945, Oct. 16.

Research Corporation, assignee: *See*—
Peck, Edson R.

Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Reacting tertiary amines with polyvinyl esters and products obtained thereby. 2,571,761, Oct. 16.

Reynolds, Milton, and H. G. Barrett, assignors to Reynolds Printasign Co., Chicago, Ill. Inking arrangement for printing machines. 2,571,383, Oct. 16.

Reynolds, Noel S., St. Louis, Mo. Piston assembly. 2,571,486, Oct. 16.

Reynolds Printasign Co., assignee: *See*—
Reynolds, Milton, and Barrett.

Rice Barton Corporation, assignee: *See*—
Clem, Everett W.

Rich, Stanley R., Newton Center, Mass., and K. D. Kysor, Birmingham, assignors to Kysor-Rich Corporation, Detroit, Mich. Magnetic clutch. 2,571,762, Oct. 16.

Richter, Frederick P., and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. 2,8-dihydroxydibenzothiophene. 2,571,384, Oct. 16.

Rickes, Edward L.: *See*—
Keresztesy, John C., and Rickes.

Rieck, Gerard D.: *See*—
van Uden, Jules H. M., and Rieck.

Rines, Robert H., Cambridge, Mass. Electric system. 2,571,163, Oct. 16.

Rines, Robert H., Cambridge, Mass. Electric system. 2,571,164, Oct. 16.

Rines, Robert H., Cambridge, Mass. Radio wave receiving system. 2,571,165, Oct. 16.

Rines, Robert H., Cambridge, Mass. Stereoscopic image reception by millimetric radiation. 2,571,612, Oct. 16.

Rissland, Edwin E., Newark, N. J. Device for teaching perspective. 2,571,613, Oct. 16.

Robbins Incubator Co., assignee: *See*—
Vaughan, David M.

Robbins, Jesse J., assignor to Stylofede Corporation, Glendale, Calif. Sprinkler head modification. 2,571,763, Oct. 16.

Robbins, Walter R., assignor of 25% to J. L. Woods, Norman, Okla. Glass grinding and polishing machine. 2,571,614, Oct. 16.

Robin, Leo, and M. van Roggen, Sprimont, Belgium, vested in the Attorney General of the United States. Transmission device. 2,571,172, Oct. 16.

Robinson, Charles A.: *See*—
Pfister, Karl, III, Robinson, and Tishler.

Rochester Button Company, assignee: *See*—
Broderson, Neil O.

Rocklin, Isadore J., Sioux City, Iowa. Tree and log saw. 2,571,385, Oct. 16.

Rodger, Louis S., and C. H. Chapman, assignors to Eastman Kodak Company, Rochester, N. Y. Lantern slide mount. 2,571,764, Oct. 16.

Roe, Eloise T., assignee: *See*—
Lord, Francis L. B.

Rohm & Haas Company, assignee: *See*—
Croxall, Willard J., and Schneider.

Rolfe, James C., Oak Ridge, and W. S. White, said Rolfe assignor of three-eighths to J. U. Yeldell, Jr., Mer Rouge, La. Cattle chute gate. 2,571,487, Oct. 16.

Roloson, William G.: *See*—
Spengler, Walter J., and Roloson.

Romeo, Samuel T., Baltimore, Md. Auto jack. 2,571,615, Oct. 16.

Ronson Art Metal Works, Inc., assignee: *See*—
Flamm, Alexander L.

Ronzio, Anthony R.: *See*—
Murray, Arthur, III, and Ronzio.

Rooney, John T., West Palm Beach, Fla. Thickness measuring device. 2,571,488, Oct. 16.

Rosamilia, Peter L.: *See*—
Harvey, Mortimer T., and Rosamilia.

Rosenbaum, Benjamin N.: *See*—
Whelan, Edward P., and Rosenbaum.

Rosenbaum "Q-B-K" Parking Co., assignee: *See*—
Whelan, Edward P., and Rosenbaum.

Rosenfield, Benjamin, assignor to The Scholl Mfg. Co., Inc., New York, N. Y. Tubular bandage. 2,571,946, Oct. 16.

Ross, Walter F., Northville, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Forming grinding wheels. 2,571,293, Oct. 16.

Rossetto, Louis, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Power plant lubrication system. 2,571,166, Oct. 16.

Rothenberg, Irving: *See*—
Kagan, Simon, and Rothenberg.

Rountree, John H.: *See*—
Bucknam, James H., and Rountree.

Ruben, Samuel, New Rochelle, N. Y. Electric current producing cell. 2,571,616, Oct. 16.

Rubin, Louis C.: *See*—
McGrath, Henry G., Passino, and Rubin.

Ruffle, William H., assignor to Speed Development Company Limited, Hove, England. Fluid pressure operated switch. 2,571,617, Oct. 16.

Ruggles, David M., Mount Tabor, and A. W. Warner, Jr., Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Masking device for crystals. 2,571,167, Oct. 16.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Bunch charge forming mechanism. 2,571,618, Oct. 16.

Rupp, John L., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Storage battery. 2,571,988, Oct. 16.

Rusk, Harold H., Rensselaer, Ind. Pipe puller. 2,571,619, Oct. 16.

Russell, Robert G., assignor to Davy and United Engineering Company Limited, Sheffield, England. Adjustment gauge for coils. 2,571,947, Oct. 16.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Baling machine with spiral feeding and compression means. 2,571,489, Oct. 16.

Ruys, Josephus J., assignor to Eru-Kaasfabriek N. V., Woerden, Netherlands. Roasted cheese products and making the same. 2,571,765, Oct. 16.

S & C Electric Company, assignee: *See*—
Lindell, Sigurd I.

S & S Corrugated Paper Machinery Co., Inc., assignee: *See*—
Shields, Albert F.

Sadony, Joseph A.: *See*—
Beyers, Meredith, and Sadony.

Sair, Louis: *See*—
Hall, Lloyd A., and Sair.

Sair, Louis, Evergreen Park, and L. A. Hall, assignors to The Griffith Laboratories, Inc., Chicago, Ill. Spice extract and producing. 2,571,948, Oct. 16.

Sala, Gregory, New York, N. Y. Eradicating implement. 2,571,620, Oct. 16.

Sale, Frank, Beverly Hills, and D. Press, North Hollywood, assignors to Flood-Lite Service Inc., Los Angeles, Calif. Inner reflector mounting for flood lights. 2,571,294, Oct. 16.

Sale, Frank, Beverly Hills, and D. Press, North Hollywood, assignors to Flood-Lite Service Inc., Los Angeles, Calif. Detachable mounting means for flood light reflectors. 2,571,295, Oct. 16.

Salem Engineering Company, The, assignee: *See*—
Buckholdt, Robert E.

Sanders, Everett R. and M. M., Kansas City, Mo. Stock Feed trough. 2,571,490, Oct. 16.

Sanders, Maudie M.: *See*—
Sanders, Everett R. and M. M.

Sanders, Robert W., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Television synchronizing circuit. 2,571,168, Oct. 16.

Sandler, Joseph B., Flushing, N. Y. Hot-water heater. 2,571,949, Oct. 16.

Sanford, Donald S.: *See*—
Kahn, Leonard R., and Sanford.

Sargent, Donald E., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Polyvinyl alcohol gels. 2,571,706, Oct. 16.

Sarnoff, David, New York, N. Y., assignor to Radio Corporation of America. Early warning relay system. 2,571,386, Oct. 16.

Sativa Corporation, assignee: *See*—
Burkard, Anton.

Sauer, Frederick, assignor to The Kilborn-Sauer Company, Fairfield, Conn. Dirigible searchlight for attachment to cab roofs and the like. 2,571,950, Oct. 16.

Saulino, Theodore, Newark, N. J. Injection molding apparatus. 2,571,766, Oct. 16.

Saunders, Enos P., Berkley, Mich. Speed chuck. 2,571,621, Oct. 16.

Savoy, Michael: *See*—
Bond, Donald C., and Savoy.

Sax, Karl J.: *See*—
Bernstein, Seymour, and Sax.

Scantlebury, Gordon S. P., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Pulse-controlled oscillator. 2,571,296, Oct. 16.

Schaaf, Edward J.: *See*—
Greedy, Edwin F., and Schaaf.

Schaelchlin, Walter, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical apparatus. 2,571,951, Oct. 16.

Schilling, Werner C., Weehawken, N. J. Contour cutter. 2,571,952, Oct. 16.

Schindler, Bernard C., Burlingame, Calif. Play pen. 2,571,297, Oct. 16.

Schindler, George A., Tacoma, Wash. Seed tape. 2,571,491, Oct. 16.

Schlage, Anna, executrix: *See*—
Schlage, Walter R.

Schlage Lock Company, assignee: *See*—
Schlage, Walter R.

Schlage, Walter R., deceased; by A. Schlage, executrix, Burlingame, assignor to Schlage Lock Company, San Francisco, Calif. Doorknob structure. 2,571,767, Oct. 16.

Schlonau, Max, and H. R. Pinkerton, Seattle, Wash., said Pinkerton assignor to said Schlonau. Spray nozzle with adjustable deflector. 2,571,768, Oct. 16.

Schmidt, Frederick W., Olympia, assignor to Western Metalcraft, Inc., Tumwater, Olympia, Wash. Knockdown wall cabinet. 2,571,622, Oct. 16.

Schneider, Henry J.: *See*—
Croxall, Willard J., and Schneider.

Schnitzer, Benjamin J.: *See*—
Bateman, Ralph C., and Schnitzer.

Scholin, Axel R., Chicago, Ill. Toggle mechanism and switch incorporating same. 2,571,623, Oct. 16.

Scholl Mfg. Co., Inc., The, assignee: *See*—
Rosenfeld, Benjamin.

Schrader, Gerhard, Opladen-Bruchhausen, assignor to Farbenfabriken Bayer, Leverkusen, Germany. Neutral esters of thiophosphoric acid. 2,571,989, Oct. 16.

Schroeder, Orval W.: *See*—
Brill, Edward F., and Schroeder.

Schultz, William O., South Milwaukee, Wis., assignor to McGraw Electric Company. Fuse construction. 2,571,492, Oct. 16.

Schuls, Arthur P.: *See*—
Gerhardt, Andrew H., and Schuls.

Schwartz, James H., Siletz, Oreg. Tire tool. 2,571,624, Oct. 16.

Scott-Huntington, Humbert T., Belmar, N. J. Upright piano action and pedal assembly. 2,571,298, Oct. 16.

Scovill Manufacturing Company, assignee: *See*—
Huelster, Otto J.

Scrimshaw, Frank H.: *See*—
Reilly, Hugh L., Scrimshaw, and Lambert.

Seely, Richard E.: *See*—
Beard, Lee R., Seely, and Holdgreve.

Seemann, Manuel, Cleveland, Ohio. Mophead clamping structure. 2,571,493, Oct. 16.

Segall, Louis H., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition device. 2,571,769, Oct. 16.

Selas Corporation of America, assignee: *See*—
Dietrich, Karl L.

Seldon, George E., Kirkwood, Mo. Thermal and auxiliary valve combination. 2,571,625, Oct. 16.

Semon, Albert L., Short Hills, N. J. Device for lubricating fluid pressure operated means. 2,571,770, Oct. 16.

Separation Process Company, assignee: *See*—
Cleemann, Jorgen O.

Seybold, Joseph F., Cleveland, Ohio. Can cover and punch. 2,571,387, Oct. 16.

Shanahan, Henry W., Coeur d'Alene, Idaho. Hose support. 2,571,388, Oct. 16.

Shannon, Bert A., Long Beach, Calif. Reeling machine. 2,571,169, Oct. 16.

Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Manufacture of hydrogen. 2,571,953, Oct. 16.

Sharples Chemicals Inc., assignee: *See*—
Olin, John F.

Shell Development Company, assignee: *See*—
Davis, Orris L., Knight, and Skinner.
Milligan, William B.

Shellman, Charles O., San Diego, Calif. Lifting attachment for glass table tops. 2,571,626, Oct. 16.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Wyoming, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Tris-phenyl ethylene compounds. 2,571,954, Oct. 16.

Shepherd, Philip: *See*—
Beeson, Eric J. G., and Shepherd.

Sherbrook, Victor A., East Millbury, assignor to Milford Shoe Co., Milford, Mass. Making insoles channeled only in the shank region. 2,571,299, Oct. 16.

Shields, Albert F., Forest Hills, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Removable blank feeding slat. 2,571,955, Oct. 16.

Showalter, Jere C., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Cleaning composition for removing asphaltic coatings. 2,571,956, Oct. 16.

Sigman, John J., Cicero, Ill. Insulating splice protector. 2,571,771, Oct. 16.

Simons, Abraham, Monsey, N. Y. Making diamond tools. 2,571,772, Oct. 16.

Simpson, Martha O., Penn Wynne, Pa. Mixing and cutting machine. 2,571,300, Oct. 16.

Singel, John B., Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Single side-band demodulator system. 2,571,957, Oct. 16.

Skinner, John R.: *See*—
Davis, Orris L., Knight, and Skinner.

Slanhoff, Bertram, New York, assignor to Corro-Lith Corporation, Long Island City, N. Y. Display stand. 2,571,301, Oct. 16.

Slaughter, Gibbs M., and G. Puls, Fort Worth, Tex. Cooling tower. 2,571,958, Oct. 16.

Sloman, Edmund M., and G. J. Cogan, Detroit, Mich. Vehicle dashboard construction. 2,571,627, Oct. 16.

Smidt, Louise M., Los Angeles, Calif. Hair setting device. 2,571,773, Oct. 16.

Smith, Charles W., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Grounding switch operating mechanism. 2,571,960, Oct. 16.

Smith, Eugene A., Dallas, Tex. Testing and adjusting device for internal-combustion engine ignition systems. 2,571,959, Oct. 16.

Smith, Frank M.: *See*—
Smith, Leland H. and F. M.

Smith, Lawrence M.: *See*—
Booth, George P., and Smith.

Smith, Leland H. and F. M., Granville, assignors to The Decora Corporation, Fort Edward, N. Y. Decorative printing of polyvinyl chloride sheets. 2,571,962, Oct. 16.

Smith, Lloyd B., Baton Rouge, La., assignor to Standard Oil Development Company. Safety device for pressure vessels. 2,571,961, Oct. 16.

Smith, Waverly Q., Charleston, W. Va., assignor to the United States of America as represented by the United States Atomic Energy Commission. Sampler for highly radioactive substances. 2,571,302, Oct. 16.

Smith, William A.: *See*—
Willis, Thomas J., and Smith.

Snyder, Leland H., Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Handle assembly. 2,571,389, Oct. 16.

Snyder, Richard L., Jr., Aberdeen, Md., assignor to Radio Corporation of America. Color television tube. 2,571,991, Oct. 16.

Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), assignee: *See*—
Mennesson, Marcel.

Societe Auxiliaire d'Etudes Electrotechniques, assignee: *See*—
Tuot, Raymond A.

Société Continentale et Coloniale de Construction, Société Anonyme, assignee: *See*—
Janssens van der Maelen, Christian M. C.

Societe: Les Fils de Peugeot Freres, assignee: *See*—
De le Source, Charles.

Societe Suisse d'Electricite et de Traction, assignee: *See*—
Tuot, Raymond A.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Brooks, John W.
Conover, George E., and McClure.
Crowley, John A., Jr.
Fontana, Celeste M.
Koft, Emil, Jr.
Penick, Joe E.
Richter, Frederick P., and Fuller.
Staff, William S.

Sonneborn, L., Sons, Inc., assignee: *See*—
Breth, Ferdinand W.

Spacarb, Inc., assignee: *See*—
Parks, Regis E.

Spanski, Raymond J.: *See*—
Holmes, Le Roy S. and R. J.

Speed Development Company Limited, assignee: *See*—
Ruffle, William H.

Spengler-Loomis Manufacturing Company, assignee: *See*—
Markvart, Edwin J.

Spengler, Walter J., and W. G. Roloson, Sidney, assignors to Bendix Aviation Corporation, New York, N. Y. Magneto casing, cover, and cable supporting and sealing means therefor. 2,571,774, Oct. 16.

Sperry Corporation, The, assignee: *See*—
Brannin, Richard S.
Hansen, William W.

Spielman, Marvin A.: *See*—
Wilk, Immanuel J., and Spielman.

Spiller, William R., and L. D. Barley, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Drive release and brake for stitching machines. 2,571,303, Oct. 16.

Spooner, William W., Ilkley, England. Apparatus for the treatment of textiles. 2,571,494, Oct. 16.

Sprague, Robert H., assignor to Eastman Kodak Company, Rochester, N. Y. Pyrro-colinocarbocyanine dyes and the preparation thereof. 2,571,775, Oct. 16.

Stacey Brothers Gas Construction Company, assignee: *See*—
Armstrong, Edward T.

Staff, William S., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Locking mounting for galvanometers. 2,571,776, Oct. 16.

Stalker, Edward A., Bay City, Mich. Slotted wing structure for aircraft. 2,571,304, Oct. 16.

Standard Car Truck Company, assignee: *See*—
Barber, Franklin D.

Standard Oil Development Company, assignee: *See*—
Morrell, Charles E.
Newberg, Raymond G.
Parker, Paul T., and Hillard.
Patterson, John A., and Morgan.
Showalter, Jere C.
Smith, Lloyd B.

Standard-Thomson Corporation, assignee: *See*—
Bondurant, Carlton W.

Stanin, Theodore E., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylonitrile polymer mixed with copolymer of vinyl acetate and isopropenyl acetate. 2,571,777, Oct. 16.

Stanley, Pierce G., Buffalo, N. Y. Apparatus for measuring the size of bags. 2,571,628, Oct. 16.

Staples, Albert B.: *See*—
Goodman, Guy H., and Staples.

Staver, Leslie D.: *See*—
Boesche, Frank H., Staver, and Griffith.

Steinmayer, Alwin G., Milwaukee, Wis., assignor to McGraw Electric Company. Adjustable insulator bracket. 2,571,495, Oct. 16.

Stelzer, William, Summit, assignor to Empire Electric Brake Company, Newark, N. J. Hydraulic brake control device. 2,571,963, Oct. 16.

Stereocraft Engineering Co., assignee: *See*—
Kurs, Karl F.

Sterling Drug Inc., assignee: *See*—
Archer, Sydney.

Stevens, Clinton E., Philadelphia, Pa. Apparatus with reflector and illuminating means for viewing furnace interiors. 2,571,964, Oct. 16.

Stevens, John A., Tamworth, New South Wales, Australia. Mulch handling device for use with agricultural implements having earth-working elements. 2,571,496, Oct. 16.

Steverlynck, Baldewijn, Courtrai, Belgium. Device for the treatment or impregnation of rayon and similar textile fibers. 2,571,305, Oct. 16.

Stewart, Grafton M., Stamford, Conn. Oil well pump valve. 2,571,497, Oct. 16.

Stewart, Wayne G.: *See*—
Freeman, Sylvester E., and Stewart.

Stieger, Helmut J., Brough, England. Rotary drum drier. 2,571,778, Oct. 16.

Stilwell, William E., Jr., Glendale, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Toggle spring. 2,571,170, Oct. 16.

Stodgell, James C., assignor of fifty per cent to J. W. Hayward, Dalton, Mo. Crankshaft grinding device. 2,571,779, Oct. 16.

Stokes, Roger H.: *See*—
Pachmayr, Frank A., and Stokes.

Stoller, Hugh M., deceased, late of Mountain Lakes, N. J., by M. M. Stoller, executrix, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Damping means. 2,571,780, Oct. 16.

Stoller, Marian M., executrix: *See*—
Stoller, Hugh M.

Strand, Steen, Milwaukee, assignor to The Fulton Company, West Allis, Wis. Trailer tongue stand. 2,571,390, Oct. 16.

Strassner, Frank J.: *See*—
Elderkin, James K., and Strassner.

Stratton, Charles H., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Azo dyeing process for cellulose fibers. 2,571,990, Oct. 16.

Strawn, Orval B., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mechanism to prevent jouncing in mechanical vibrating screens and the like. 2,571,391, Oct. 16.

Stringer, Watson A., Pontiac, Mich. Golf club carrier. 2,571,392, Oct. 16.

Strom, William H., Minneapolis, Minn. Vaporizing oil burner. 2,571,629, Oct. 16.

Stromberg-Carlson Company, assignee: *See*—
Enslein, Kurt.

Stuk-O-Rite, Inc., assignee: *See*—
Hale, Loren.

Stylofede Corporation, assignee: *See*—
Robbins, Jesse J.

Sudan, Eugene: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.

Sutch, George T., Lake Geneva, Wis. Bag splitting and dispensing device. 2,571,781, Oct. 16.

Swartout, John A., Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Production of radioactive iron. 2,571,965, Oct. 16.

Swenson, Alfred G., Ontario, Calif., assignor to General Electric Company. Cooker. 2,571,782, Oct. 16.

Swing, Charles E.: *See*—
Wittel, Otto, and Swing.
Woodhouse, Fred N., and Swing.

Swinnerton, Gerald, assignor, by mesne assignments, to National Camera Works, St. Louis, Mo. Shutter mechanism for cameras. 2,571,783, Oct. 16.

Symington-Gould Corporation, The, assignee: *See*—
Blattner, Emil H.

Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube focusing system. 2,571,306, Oct. 16.

T. M. M. (Research) Limited, assignee: *See*—
Foster, John R.

Tann, David, Detroit, Mich. Pulley. 2,571,393, Oct. 16.

Tappan Stove Company, The, assignee: *See*—
Mayer, Charles M.

Tatra narodni podnik, assignee: *See*—
Březek, Rudolf.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Infrared objective lens. 2,571,307, Oct. 16.

Taylor, Philip H., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Paralleling lens system. 2,571,308, Oct. 16.

Telefonaktiebolaget L M Ericsson, assignee: *See*—
Jörgensen, Anders O.

Teletype Corporation, assignee: *See*—
Baldwin, Edward T.

Tellier, Joseph C., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Tuning aid for frequency-modulation receivers. 2,571,309, Oct. 16.

Tellock, Harold C., assignor to Tucker Corporation, Chicago, Ill. Suspension frame bumper. 2,571,784, Oct. 16.

Temple, George L., Clayton, N. J., assignor to Radio Corporation of America. Radio dial and dial drive. 2,571,498, Oct. 16.

Temple, Scott E., Downey, assignor to Union Oil Company of California, Los Angeles, Calif. Composition and treatment of drilling fluids. 2,571,093, Oct. 16.

Terrell Machine Company, The, assignee: *See*—
Hinson, Odus C.

Texas Company, The, assignee: *See*—
McCleary, Rush F., and Patterson.
Overbaugh, Walter V.

Thiede, Arnold J., Barrington, Ill. Device for use in packaging food. 2,571,630, Oct. 16.

Thiem, Walter A., Kankakee, Ill. Can opener. 2,571,310, Oct. 16.

Thompson, Russell G., assignor to Eastman Kodak Company, Rochester, N. Y. Drive mechanism for tape facsimile apparatus. 2,571,785, Oct. 16.

Thor Corporation, assignee: *See*—
Gerhardt, Andrew H., and Schuls.

Tilt Dispenser Company, assignee: *See*—
Drinkhaus, Theodore A.

Timber Structures, Inc., assignee: *See*—
Payzant, Henry H.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Bolt fastening device. 2,571,786, Oct. 16.

Tinnerman Products, Inc., assignee: *See*—
Tinnerman, George A.
Tishler, Max: *See*—
Pfister, Karl, III, Robinson, and Tishler.
Pfister, Karl, III, and Tishler.
Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator frost indicator. 2,571,787, Oct. 16.
Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,571,788, Oct. 16.
Tognola, Tullio, Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Electrical apparatus. 2,571,789, Oct. 16.
Toledo Scale Company, assignee: *See*—
Williams, Lawrence S.
Tomkins, Walter M., Hinsdale, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Can arranging apparatus. 2,571,790, Oct. 16.
Tompkins, George, Wollaston, Mass. Process control apparatus. 2,571,791, Oct. 16.
Toney, Charles D.: *See*—
Wright, John G., Toney, Watkins, Sudan, and Maxwell.
Tosi, Alessandro and R., Busto Arsizio, Italy. Machine for burning edges of leather pieces. 2,571,792, Oct. 16.
Tosi, Roberto: *See*—
Tosi, Alessandro and R.
Trafton, Warren L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting for fastening members and the like. 2,571,394, Oct. 16.
Tratsik, Frederick, assignor to Mueller Co., Decatur, Ill. Lubricated valve. 2,571,966, Oct. 16.
Travers, Henry A.: *See*—
Marbury, Ralph E., and Travers.
Trenner, Nelson R., and F. A. Bacher, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Hydrogenation of tartaric acid esters to erythritol. 2,571,967, Oct. 16.
Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, London, England. Fluid pressure control valve unit. 2,571,311, Oct. 16.
Trevaskis, Henry W., Solihull, assignor to Dunlop Rubber Company Limited, County of London, England. Swash plate pump. 2,571,312, Oct. 16.
Trevaskis, Henry W., Solihull, Birmingham, assignor to Dunlop Rubber Company Limited, London, England. Device for sealing the joint between the surfaces of two relatively rotatable members. 2,571,500, Oct. 16.
Trumpler, Paul R., Ridgewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Heat exchange element. 2,571,631, Oct. 16.
Truxell, Clyde W., Jr., Grand Rapids, assignor to General Motors Corporation, Detroit, Mich. Fuel injection pump. 2,571,501, Oct. 16.
Tucker Corporation, assignee: *See*—
Lyman, Kenneth E.
Tellock, Harold C.
Tucker, Norman A., assignor to Johnson, Matthey & Company Limited, London, England. Welding of metallic tips to metallic bases. 2,571,313, Oct. 16.
Tuot, Raymond A., assignor of one-half to Societe Auxiliaire d' Etudes Electrotechniques, Paris, France and one-half to Societe Suisse d'Electricite et de Traction, Basel, Switzerland. Railroad signaling device. 2,571,499, Oct. 16.
Turner, John R., and G. H. Bullock, assignors to Eastman Kodak Company, Rochester, N. Y. Tool feeding mechanism for lens generators. 2,571,793, Oct. 16.
Turner, William W., Drexel Hill, Pa., assignor to General Electric Company. Connecting switch device. 2,571,794, Oct. 16.
Turner, Wylie E., Jr., assignee: *See*—
Weigandt, Carl F.
Tyler, Merle D., Geneva, and R. H. Larson, Batavia, Ill., assignors to Du Kane Corporation. Strip film advance means. 2,571,795, Oct. 16.
Uhland, Lyle R., Knights Landing, Calif. Foliage removal bucket. 2,571,502, Oct. 16.
Ulmschneider, Lawrence A., and C. W. Lewis, assignors to Eastman Kodak Company, Rochester, N. Y. Film cassette. 2,571,796, Oct. 16.
Underwood, Arthur F., Grosse Pointe, assignor to General Motors Corporation, Detroit, Mich. Deaerator and dirt separator. 2,571,503, Oct. 16.
Union Carbide and Carbon Corporation, assignee: *See*—
Buckham, James H. and Rountree.
Hayward, John E. H., and Calderbank.
Union Oil Company of California, assignee: *See*—
Berg, Clyde H. O.
Temple, Scott E.
Union Starch & Refining Company, assignee: *See*—
Cleland, James E., and Meyer.
United Aircraft Corporation, assignee: *See*—
King, Alexander H.
United-Carr Fastener Corporation, assignee: *See*—
Hosking, Thomas W.
Murphy, Howard J.
Trafton, Warren L.
United Shoe Machinery Corporation, assignee: *See*—
Duplessis, René E., and Quinn.
Maciejowski, John J., and Daniels.
Melanson, Charles G.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Glass, Floyd M.
Hansen, Robert S.
Murray, Arthur, III, and Ronzio.
Smith, Waverly Q.
Swartout, John A.
United States Gypsum Company, assignee: *See*—
Dailey, Manvel C., and Duffy.
Upham, Sidney D., Stillwater, Okla., and C. C. Reed, Pearl River, assignors to American Cyanamid Company, New York, N. Y. Vitaminaceous oil containing powders and the preparation thereof. 2,571,797, Oct. 16.
Urch, Anthony, San Francisco, Calif. Dispensing container with a spout and puncturing blade hingedly attached. 2,571,798, Oct. 16.
Václavík, Jaroslav, assignor to Bata, narodni podnik, Zlin, Czechoslovakia. Variable stroke slurcock. 2,571,314, Oct. 16.
Valvano, Ralph A., Los Angeles, Calif. Tool for inserting and removing stud bolts. 2,571,968, Oct. 16.
Van Akkeren, Leon A.: *See*—
Vander Wal, Robert J., and Van Akkeren.
Van Campen, Marcus G., Jr.: *See*—
Shelton, Robert S., and Van Campen.
Vander Wal, Robert J., Chicago, and L. A. Van Akkeren, Oak Park, assignors to Armour and Company, Chicago, Ill. Modified lard and producing same. 2,571,315, Oct. 16.
Van Dyke, Karl S., Middletown, Conn., assignor to the United States of America as represented by the Secretary of War. Dew point hygrometer. 2,571,171, Oct. 16.
Van Guilder, Walter, River Forest, Ill., assignor to General Mills, Inc. Beater for food mixers. 2,571,316, Oct. 16.
Van Loon, Johannes: *See*—
Dobbelmann, Petrus B. H. M., and van Loon.
Van Overbeek, Adrianus J. W. M.: *See*—
Jonker, Johannes L. H., and van Overbeek.
Van Roggen, Mathieu: *See*—
Robin, Leo, and van Roggen.
Van Uden, Jules H. M., and G. D. Rieck, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Flashlight lamp. 2,571,799, Oct. 16.
Vapor Heating Corporation, assignee: *See*—
Clarkson, Alick.
Vaughan, David M., Jefferson County, assignor to Robbins Incubator Co., Denver, Colo. Air circulating and humidifying device. 2,571,173, Oct. 16.
Vawter, Wilber W., Indianapolis, Ind. Chamfering tool. 2,571,395, Oct. 16.
Vensel, Isaiah W., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Emergency release for locking devices. 2,571,969, Oct. 16.
Verderber, Joseph, Cleveland, Ohio. Adjustable head for golf clubs. 2,571,970, Oct. 16.
Vickers-Armstrongs Limited, assignee: *See*—
Jones, Lewis.
Viliani, Antonio, Milford, assignor to Draper Corporation, Hopedale, Mass. Shuttle threading block. 2,571,396, Oct. 16.
Vinell, Per G., and B. H. Jernberg, Munkfors, Sweden. Machine for continuous polishing of wire or rods. 2,571,632, Oct. 16.
Vita-Rich Rice Process Ltd., assignee: *See*—
Fernandes, Daniel S.
Vogel, Edward, Baltimore, Md. Door hinge. 2,571,633, Oct. 16.
Vogel, Frank, assignor of one-third to A. H. Reef, Philadelphia, Pa. Snap hook. 2,571,971, Oct. 16.
Volupte, Inc., assignee: *See*—
Felsch, John.
Von Gunten, Edward G., Akron, Ohio. Collapsible umbrella. 2,571,634, Oct. 16.
Von Gunten, Edward G., Akron, Ohio. Garment hanger. 2,571,635, Oct. 16.
Vore, Milton P.: *See*—
Kroft, Herbert M., and Vore.
Vroom, Edward, Ossining, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmitter. 2,571,800, Oct. 16.
Vuillemenot, Robert P., River Edge, N. J., assignor to The Pharma-Craft Corporation, New York, N. Y. Thermoplastic spray bottle. 2,571,504, Oct. 16.
Vulcan Iron Works, assignee: *See*—
Hegenbarth, Francis.
Wagner, William L., Los Angeles, assignor to A. H. McConnell, Pasadena, Calif. Holding rack. 2,571,972, Oct. 16.
Waldron, Louis D., Arlington, Mass. Radiator. 2,571,505, Oct. 16.
Walker, Alec H. B., London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company. Annunciator. 2,571,973, Oct. 16.
Walker, Brooks, Piedmont, Calif. Venetian blind slat retainer. 2,571,317, Oct. 16.
Walker, John, Alameda, Calif. Golf training device. 2,571,974, Oct. 16.
Wallace & Tiernan Products, Inc., assignee: *See*—
Marks, Henry C.
Walton, Howard T.: *See*—
Ludwig, Leon R., Fockler, Formhals, and Walton.

Waltz, Joseph E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Melt spinning process. 2,571,975, Oct. 16.
Wangerin, Elmer O., and R. W. Wetherald, assignors to Eastman Kodak Company, Rochester, N. Y. Multiple motor drive. 2,571,801, Oct. 16.
War, United States of America as represented by the Secretary of, assignee: *See*—
Van Dyke, Karl S.
Ward, Clarence E., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Strip cutter and marker. 2,571,976, Oct. 16.
Warner, Archibald A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Fabricated splined shaft. 2,571,318, Oct. 16.
Warner, Arthur W., Jr.: *See*—
Ruggles, David M., and Warner.
Warren, Minton W., assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Article asserting machine. 2,571,977, Oct. 16.
Washcoe, Wilfred C., Arlington, Va. Code device. 2,571,174, Oct. 16.
Wasserman, David, and S. Caplan, New York, N. Y., assignors to The Harvel Corporation. 4-amino cardanol. 2,571,091, Oct. 16.
Wasserman, David, Irvington, N. J., and S. Caplan, New York, N. Y., assignors to The Harvel Corporation. 4-amino cardanol as an antioxidant for mineral hydrocarbon oil. 2,571,092, Oct. 16.
Waterbury Companies, Incorporated, assignee: *See*—
Magnenat, René P.
Waters, Edmund, and L. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Production of colored filaments and fibers. 2,571,319, Oct. 16.
Waters, William C., Sr., Columbus, Ga., Machine belt cleaner and lubricator. 2,571,320, Oct. 16.
Watkins, Charles A.: *See*—
Wright, John G., Toney, Watkins, Sudan and Maxwell.
Watkins, Lewis H., Caracas, Venezuela. Removal of metallic obstructions in well borings by oxidation. 2,571,636, Oct. 16.
Watson, John L., Welch, W. Va. Machine for preparing masking paper. 2,571,978, Oct. 16.
Watt, John R., Austin, Tex. Incremental freezing. 2,571,506, Oct. 16.
Webb, Frederick W. C., administrator: *See*—
Fast, Gustave.
Webster, John C., assignor to C. G. Conn, Ltd., Elkhart, Ind. Acoustic measuring apparatus. 2,571,979, Oct. 16.
Weigandt, Carl F., Memphis, Tenn., assignor of 49 percent to W. E. Turner, Jr., Pigott, Ark. Fish lure. 2,571,980, Oct. 16.
Weist, Otto J., Lodi, Calif. Automatic poultry feeder. 2,571,637, Oct. 16.
Welch, Albert F., assignor to General Motors Corporation, Detroit, Mich. Pressure indicator. 2,571,507, Oct. 16.
Wells, Arthur A., and G. S. Knapp, assignors to The Homer Laughlin China Company, Newell, W. Va. Inking apparatus for machines for stamping decorations on potteryware. 2,571,638, Oct. 16.
Wells, Bruce, deceased, Portland, Oreg.; M. S. Wells, executrix. Producing printing plates. 2,571,397, Oct. 16.
Wells, Marjorie S., executrix: *See*—
Wells, Bruce.
Wensel, Roy G., Clarion, Pa. Headlight control. 2,571,981, Oct. 16.
Western Electric Company, Incorporated, assignee: *See*—
Gray, Alvin N.
Henning, George E.
Quigley, James E.
Western Metalcraft, Inc., assignee: *See*—
Schmidt, Frederick W.
Westinghouse Air Brake Company, assignee: *See*—
Claus, William H.
Vensel, Isaiah W.
Walker, Alec H. B.
Westinghouse Electric Corporation, assignee: *See*—
Armstrong, George C., Basnett, and Ellis.
Beck, Edward F. W.
Birckhead, Taylor A.
Bogdan, Benjamin W.
Bradley, Schuyler L.
Clark, Earl K.
Connor, John C., and Fahrner.
Godsey, Frank W., Jr.
Gottlieb, Manious.
Graybill, Howard W.
Hanna, Clinton R., and Mikina.
Jacob, Mark I.
Koch, Gustav H.
Kroft, Herbert M., and Vore.
Longini, Richard L.
Ludwig, Leon R., Fockler, Formhals, and Walton.
Marbury, Ralph E., and Travers.
McCoubrey, Arthur O.
Nims, Albert A., Jr.
Olsson, Paul, and Frink.
Petsinger, Ambrose J.
Plagge, Vernon L.
Westinghouse Electric Corporation, assignee: *See*—Contd.
Rossetto, Louis.
Schaelchlin, Walter.
Singel, John B.
Smith, Charles W.
Tobey, Raymond E.
Winchester, Amos J., Jr., and Hunt.
West Point Manufacturing Company, assignee: *See*—
Piper, Frank R., and Gardner.
Wetherald, Robert W.: *See*—
Wangerin, Elmer O., and Wetherald.
Wettley, Eberhard E., Chicago, Ill. Auxiliary core. 2,571,321, Oct. 16.
Wheeler, Harold D., assignor of one-third to S. D. Wheeler, and one-third to W. V. Wheeler, Inglewood, Calif. Pulsating pressure massage device. 2,571,398, Oct. 16.
Wheeler, S. D., assignee: *See*—
Wheeler, Harold D.
Wheeler, W. V., assignee: *See*—
Wheeler, Harold D.
Whelan, Edward P., and B. N. Rosenbaum, Brooklyn, assignors to Rosenbaum "Q-B-K" Parking Co., New York, N. Y. Machine for tier parking motor vehicles. 2,571,308, Oct. 16.
Whiskeman, James P., Jr., Kirkwood, Mo. Infant's sleeping and tethering garment. 2,571,399, Oct. 16.
White Cap Company, assignee: *See*—
Williams, Raymond H.
White, Halbert C.: *See*—
Britton, Edgar C., and White.
White, Warren S.: *See*—
Rolfe, James C., and White.
Wiegand, Edwin L., Company, assignee: *See*—
McOrily, Joseph.
Wijtzes, Sjoerd: *See*—
Bos, Julius G., Dippel, Houtman, Kenning, and Wijtzes.
Wilbur, Paul C.: *See*—
Lindsay, Wesley N., and Wilbur.
Wilcox-Gay Corporation, assignee: *See*—
Cain, Robert M.
Wilfley, A. R., & Sons, Inc., assignee: *See*—
Wilfley, Elmer R., and Aldred.
Wilfley, Elmer R., and J. L. Aldred, Jr., assignors to A. R. Wilfley & Sons, Inc., Denver, Colo. Centrifugal pump. 2,571,802, Oct. 16.
Wilk, Immanuel J., Evanston, and M. A. Spielman, Waukegan, assignors to Abbott Laboratories, North Chicago, Ill. Phenylation of methacrylic acid. 2,571,639, Oct. 16.
Wilkinson, William T., executor: *See*—
Jones, Lewis.
Williams, George W., assignee: *See*—
Ames, Robert G.
Williams, John J., and J. H. Rast, Charleston, S. C. Bandage roller. 2,571,175, Oct. 16.
Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Pivot and bearing. 2,571,400, Oct. 16.
Williams, Raymond H., assignor to White Cap Company, Chicago, Ill. Pry type jar cap remover. 2,571,401, Oct. 16.
Willis, Thomas J., and W. A. Smith, Greenwood, S. C. Apparatus for controlling tension in warp yarns. 2,571,509, Oct. 16.
Willis, Thomas J., and W. A. Smith, Greenwood, S. C. Tension control for warp yarns. 2,571,510, Oct. 16.
Willman, Richard C., Indianapolis, Ind., assignor to Radio Corporation of America. Supersonic whistle for code communication. 2,571,640, Oct. 16.
Wilz, Peter: *See*—
Esser, Paul, and Wilz.
Winchester, Amos J., Jr., Lockport, and W. T. Hunt, Jr., Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Emergency stop system. 2,571,982, Oct. 16.
Wing, George S., Hermosa Beach, Calif. Quick release locking type shear load bearing fastener. 2,571,641, Oct. 16.
Wingfoot Corporation, assignee: *See*—
Carson, Clarence M.
D'Ianni, James D.
Gardner, Charles E.
Wingo, William W.: *See*—
Hunter, Claud M., and Wingo.
Winter, Fred H., Schenectady, N. Y., assignor to General Electric Company Electromagnet control mechanism with two armatures. 2,571,803, Oct. 16.
Winter, John G., Washington, D. C. Aiming drill target and system. 2,571,511, Oct. 16.
Wittel, Otto, and C. E. Swing, assignors to Eastman Kodak Company, Rochester, N. Y. Lens mount and film gate arrangement for projection apparatus. 2,571,804, Oct. 16.
Wong, James: *See*—
Kondakow, Mikolaj, and Wong.
Wood, Albert E.: *See*—
Goldschmidt, Rudolf, and Wood.
Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet tail accelerating device for sheet feeders. 2,571,805, Oct. 16.
Wood, James R., assignor to Harris-Seybold Company, Cleveland, Ohio. Sheet tail accelerating device for sheet feeders. 2,571,806, Oct. 16.

Wood, Leonard: *See*—
Waters, Edmund, and Wood.
Woodhouse, Fred N., and C. B. Swing, assignors to Eastman Kodak Company, Rochester, N. Y. Film winding and rewinding mechanism. 2,571,807, Oct. 16.
Woods, James L., assignee: *See*—
Robbins, Walter E.
Woodward, Teynham, Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Purifying magnesia containing impurities including iron, manganese, and boron. 2,571,983, Oct. 16.
Woolf, James W.: *See*—
Ball, Charles F., and Woolf.
Worthington Pump and Machinery Corporation, assignee: *See*—
Clement, George P.
Wright, Dallas E.: *See*—
Cordrey, Richard N., and Wright.
Wright, John G., C. D. Toney, C. A. Watkins, and E. Sodan, Atlanta, and W. A. Maxwell, Duluth, Ga., assignors to The Auto-Soler Company. Work support for fastener forming and inserting machines. 2,571,984, Oct. 16.
Wright, Manfred G.: *See*—
Bloomer, Carl W., and Wright.
Yancy, Joseph, Coatesville, Pa. Rotary internal-combustion engine. 2,571,642, Oct. 16.
Yeidell, J. U., Jr., assignee: *See*—
Rolfe, James C., and White.
Yelland, Neil W., Whaley Bridge, assignor to The Calico Printers' Association Limited, Manchester, England. Multicolor printing. 2,571,322, Oct. 16.
Yoder, Herbert G., Bellefontaine, Ohio. Tow bar brake control. 2,571,323, Oct. 16.
Youhouse, Joseph, Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Apparatus for testing thermostatic control devices. 2,571,643, Oct. 16.
Young, Robert L., Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio. Grinding method and apparatus. 2,571,324, Oct. 16.
Youngberg, Charles H., assignor to Deere & Company, Moline, Ill. Drawbar latch unit for disk harrows. 2,571,512, Oct. 16.
Zeeven, Johannes H., Haren, Netherlands. End hook. 2,571,402, Oct. 16.
Zentner, Margaret R., Newark, N. J., and G. J. Haas, New York, N. Y., assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J. N-(β-hydroxyethyl)-3,4,5-trihydroxybenzoic acid amide. 2,571,325, Oct. 16.
Zentner, Margaret R., Newark, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Aqueous solutions of riboflavin. 2,571,326, Oct. 16.
Zublin, John A., Los Angeles, Calif. Apparatus for drilling and recovering side wall cores. 2,571,644, Oct. 16.
Zurbuchen, Louis E., Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio. Cash register and accounting machine. 2,571,645, Oct. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Chuck. W. L. Stace. Re. 23,419, Oct. 16.
Drill. C. W. Kinnear. Re. 23,416, Oct. 16.
Floating roof, Center-weighted. F. D. Prager and R. C. Ulm. Re. 23,417, Oct. 16.
Material hauling and dispensing vehicle. C. J. Weston. Re. 23,420, Oct. 16.
Shock absorber. R. H. Whisler, Jr. Re. 23,421, Oct. 16.
Signaling arrangement for electronic switching systems. D. H. Ransom. Re. 23,418, Oct. 16.

LIST OF DESIGN INVENTIONS

Airplane. V. J. Burnelli. 164,843, Oct. 16.
Barbecue unit. K. M. Roth. 164,881, Oct. 16.
Basin and cabinet, Combined wash. J. T. Mallory. 164,872. Oct. 16.
Belt or similar article. L. L. Blumenfeld. 164,840, Oct. 16.
Brace for a spectacle temple or similar article. H. Weissman. 164,889. Oct. 16.
Building panel or the like. R. W. Haman, A. B. Girardy, and D. W. Doman. 164,856, Oct. 16.
Cabinet, Sewing-machine. A. B. Barnhart. 164,837, Oct. 16.
Car and platform for toy railroad, Combined. F. Pettit. 164,876, Oct. 16.
Coat. B. Chaik. 164,844, Oct. 16.
Coat. A. Gruber. 164,854–5, Oct. 16.
Comb. L. Mitchell. 164,874, Oct. 16.
Costumer, Child's. S. Gross and H. Stern. 164,853, Oct. 16.
Cutler, Hair. M. F. Currie. 164,846, Oct. 16.
Desk and buffet, Combination. W. S. Gass. 164,851, Oct. 16.
Dispenser, Holy-water. O. S. Gibson. 164,852, Oct. 16.
Door, Refrigerator. M. Ferar. 164,850, Oct. 16.
Dress. A. Henry. 164,858, Oct. 16.
Dress. I. Roth. 164,878–80, Oct. 16.
Dress ensemble. A. Henry. 164,859, Oct. 16.
Fish lure. J. W. Bolton. 164,841, Oct. 16.
Handle for a kitchen utensil. W. O. Brown. 164,842, Oct. 16.
Indicator, Traffic light. H. G. Faltin. 164,849, Oct. 16.
Knife or similar article. F. Wagner. 164,887, Oct. 16.
Lading stabilizer or similar article. W. T. Peyton. 164,877. Oct. 16.
Lamp base. W. Hempstead. 164,857, Oct. 16.
Lamp, Table. K. Versen. 164,886, Oct. 16.
Light shade. G. E. MacFadden. 164,870–1, Oct. 16.
Microphone for dictating machines, Hand. A. V. Lapteff. 164,869. Oct. 16.
Necklace or similar article. M. Chernow. 164,845, Oct. 16.
Pen or similar article, Fountain. D. Kahn. 164,863, Oct. 16.
Picture holder and paper weight, Combination. D. M. Thompson. 164,885, Oct. 16.
Pitcher. J. T. Scarry. 164,882, Oct. 16.
Plate or similar article. G. A. Baker. 164,836, Oct. 16.
Plate or similar article. G. J. Higginson. 164,860, Oct. 16.
Plate or similar article, Dinner. P. L'Anglais. 164,864–8, Oct. 16.
Platter. E. S. Zeisel. 164,890, Oct. 16.
Racket for table tennis. B. C. Schmid. 164,883, Oct. 16.
Shelf for holding toilet articles. J. B. Perez. 164,875, Oct. 16.
Shirt or similar article, Man's. J. Melville. 164,873, Oct. 16.
Shoe. J. Dronoff. 164,847, Oct. 16.
Slipper and sox, Combined. A. L. Wallau. 164,888, Oct. 16.
Stocking, Lady's. J. C. Bergner. 164,838–9, Oct. 16.
Stop block. T. H. Edelblute. 164,848, Oct. 16.
Toy simulating a canoe with paddlers. H. Sebel. 164,884, Oct. 16.
Tray and case or similar article, Combination playing card and canasta. H. C. Johnson. 164,862, Oct. 16.
Whistle or similar article. K. U. Ingard. 164,861, Oct. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acceleration element for fuel controlling means for internal-combustion engines. H. W. Hanners and C. W. Areson. 2,571,571, Oct. 16.
Acoustic measuring apparatus. J. C. Webster. 2,571,979, Oct. 16.
Acrylonitrile polymer mixed with copolymer of vinyl acetate and isopropenyl acetate. T. E. Stanin and J. B. Dickey. 2,571,777, Oct. 16.
Adjustable ball cock valve. L. A. Couture. 2,571,206, Oct. 16.
Adjustable cake cutter. J. W. McDevitt. 2,571,465, Oct. 16.
Adjustable rib chaser holder. C. A. Reimschissel and H. E. Davies. 2,571,944, Oct. 16.
Adjustable insulator bracket. A. G. Steinmayer. 2,571,495, Oct. 16.
Adsorption process. C. H. O. Berg. 2,571,329, Oct. 16.
Adsorption separation of zirconium and hafnium. R. S. Hansen. 2,571,237, Oct. 16.
Aiming drill target and system. J. G. Winter. 2,571,511, Oct. 16.
Air circulating and humidifying device. D. M. Vaughan. 2,571,173, Oct. 16.
Aircraft of the reaction propulsion type. F. B. Lane. 2,571,586, Oct. 16.
Aircraft radio range system. L. R. Kahn and D. S. Sanford. 2,571,368, Oct. 16.
Alcohols, Sulfonated. J. A. Otto and E. E. Gilbert. 2,571,286, Oct. 16.
Alternating-current rectifier of the selenium type. G. H. Leland. 2,571,588, Oct. 16.
Amino resinous compositions and their preparation, Plasticized. J. E. H. Hayward and P. H. Calderbank. 2,571,240, Oct. 16.
Amplifier, Direct-current. A. O. McCoubrey. 2,571,915, Oct. 16.
Angularly adjustable beach seat. O. V. Johnson. 2,571,139, Oct. 16.
Animal-actuated insecticide distributor. A. C. Bush. 2,571,536, Oct. 16.
Animal trap. W. G. Dague. 2,571,841, Oct. 16.
Annunciator. A. H. B. Walker. 2,571,973, Oct. 16.
Antenna system for television, Multiple. M. Bettan. 2,571,660, Oct. 16.
Antenna system, Scanning. W. W. Hansen. 2,571,129, Oct. 16.
Antibacterial composition. W. O. Elson. 2,571,849, Oct. 16.
Antifouling composition. A. L. Alexander and P. King. 2,571,094, Oct. 16.
Antispill device for liquid containers. W. S. Dale. 2,571,843, Oct. 16.
Apparatus for and method of drying. R. A. and E. L. Benoit. 2,571,815, Oct. 16.
Apparatus for automatically playing gramaphone records. C. Metcalfe and A. J. Rae. 2,571,466, Oct. 16.
Apparatus for bending tubes. R. Brown. 2,571,416, Oct. 16.
Apparatus for controlling tension in warp yarns. T. J. Willis and W. A. Smith. 2,571,509, Oct. 16.
Apparatus for converting reciprocating motion to rotary motion. E. Mercier and M. Ehlinger. 2,571,153, Oct. 16.
Apparatus for coupling and uncoupling propellers. O. W. Ehlers. 2,571,848, Oct. 16.
Apparatus for drilling and recovering side wall cores. J. A. Zublin. 2,571,644, Oct. 16.
Apparatus for drying articles of clothing or wearing apparel. S. H. Meninger. 2,571,918, Oct. 16.
Apparatus for effecting transcriptions. G. Goldberger. 2,571,583, Oct. 16.
Apparatus for electroplating articles. A. N. Gray. 2,571,709, Oct. 16.
Apparatus for forming colloidized plastics. K. C. Rathbun. 2,571,760, Oct. 16.
Apparatus for gluing packages. J. D. Conti. 2,571,204, Oct. 16.
Apparatus for joining thermoplastic material. J. T. G. Milne. 2,571,599, Oct. 16.
Apparatus for manufacture of type fonts. D. F. Neely. 2,571,471, Oct. 16.
Apparatus for measuring the size of bags. P. G. Stanley. 2,571,628, Oct. 16.
Apparatus for mixing rubber compounds and the like. C. H. Beare. 2,571,855, Oct. 16.
Apparatus for pumping viscous materials. B. Olsson. 2,571,932, Oct. 16.
Apparatus for scarfing board ends. H. H. Paysant. 2,571,603, Oct. 16.
Apparatus for separating solid particles from gases. T. Blomén. 2,571,331, Oct. 16.
Apparatus for testing pipe joints for leaks. V. E. Hamilton, Jr. 2,571,236, Oct. 16.
Apparatus for testing thermostatic control devices. J. Youhouse. 2,571,643, Oct. 16.
Apparatus for the treatment of textiles. W. W. Spooner. 2,571,494, Oct. 16.
Apparatus for treating grain. D. S. Fernandes. 2,571,555, Oct. 16.
Apparatus for use in planting sweet potatoes. M. R. Pope. 2,571,483, Oct. 16.
Apparatus with reflector and illuminating means for viewing furnace interiors. C. E. Stevens. 2,571,964, Oct. 16.
Appliance for embalming. H. B. Cox. 2,571,207, Oct. 16.
Aqueous solutions of riboflavin. M. R. Zentner. 2,571,326, Oct. 16.
Aromatic disulfides, Preparation of. H. W. Marson. 2,571,740, Oct. 16.
Arrangement of the air inlet to the carburetor of air-cooled engines with the cylinders in V. R. Bředek. 2,571,828, Oct. 16.
Article assorting machine. M. W. Warren. 2,571,977, Oct. 16.
Article of furniture, Foldable reclining. A. Lorens. 2,571,463, Oct. 16.
Article stacker. H. P. Curlee. 2,571,840, Oct. 16.
Artificial eye. F. W. Jardon. 2,571,721, Oct. 16.
Assembling device and application thereof. C. De la Source. 2,571,545, Oct. 16.
Atomiser of single piece construction. R. Morris. 2,571,921, Oct. 16.
Attachment for articulators. A. J. Naggi. 2,571,280, Oct. 16.
Auto jack. S. T. Romeo. 2,571,615, Oct. 16.
Automatic gate latch. C. M. Hunter and W. W. Wingo. 2,571,452, Oct. 16.
Automatic poultry feeder. O. J. Weist. 2,571,637, Oct. 16.
Automobile frame suspension. K. E. Lyman. 2,571,908, Oct. 16.
Automobile spring suspension. K. E. Lyman. 2,571,736, Oct. 16.
Auxiliary core. E. E. Wettley. 2,571,321, Oct. 16.
Azo dyeing process for cellulose fibers. C. H. Stratton. 2,571,990, Oct. 16.
Bag: *See*—
Combination bowler's and traveling bag.
Bag closing machine. F. F. Lindstaedt and C. Fischer. 2,571,460, Oct. 16.
Bag splitting and dispensing device. G. T. Sutch. 2,571,781, Oct. 16.
Bail ear for containers. J. W. King and J. J. McNamee. 2,571,369, Oct. 16.
Bailing machine with spiral feeding and compression means. S. D. Russell. 2,571,489, Oct. 16.
Bandage roller. J. J. Williams and J. H. Rast. 2,571,175, Oct. 16.
Bandage, Tubular. B. Rosenfield. 2,571,946, Oct. 16.
Basket cover fastener. J. C. Doolittle and E. A. McCabe. 2,571,548, Oct. 16.
Bathing suit, Inflatable. C. I. Briscoe. 2,571,532, Oct. 16.
Battery terminal connector. F. L. B. Lord. 2,571,145, Oct. 16.
Bearing: *See*—
Composite powdered metal bearing. Resilient side bearing.
Bearing device for relay armatures and the like. A. O. Jörgensen. 2,571,580, Oct. 16.
Beater for food mixers. W. Van Guilder. 2,571,316, Oct. 16.
Bell housing repair assembly. T. C. Gerner. 2,571,562, Oct. 16.
Beverage dispensing receptacle. J. L. Fine and L. H. Collar. 2,571,433, Oct. 16.
Bib, Disposable baby. K. M. Jesse. 2,571,888, Oct. 16.
Binding sheet material in piles. A. Blitstein. 2,571,525, Oct. 16.
Bit: *See*—
Drill bit.
Biotin intermediate. S. A. Harris, R. Mozingo, G. E. Arth, and K. Folkers. 2,571,238, Oct. 16.

Block: *See*—
Shuttle threading block.
Board: *See*—
Columned game board.
Boat dock and the like. J. H. Burnham. 2,571,337, Oct. 16.
Boat trailer. J. E. Cunningham and D. R. Combs. 2,571,213, Oct. 16.
Boat trailer and hoisting mechanism therefor. E. C. Harmanson. 2,571,361, Oct. 16.
Boiler circulating system. A. Clarkson. 2,571,540, Oct. 16.
Bolt fastener. H. J. Murphy. 2,571,747, Oct. 16.
Bolt fastening device. G. A. Tinnerman. 2,571,786, Oct. 16.
Bomb release mechanism. A. T. Potter. 2,571,381, Oct. 16.
Boom for light hoisting. C. B. Garland. 2,571,858, Oct. 16.
Bootjack and boot hook, Combined. C. G. Hilton. 2,571,447, Oct. 16.
Boring attachment for electric hand drills. C. G. Lindell. 2,571,589, Oct. 16.
Bottle cap. Y. S. Fong. 2,571,227, Oct. 16.
Bottle, Thermoplastic spray. R. P. Vuillemenot. 2,571,504, Oct. 16.
Bottom opening suction cleaner. J. T. Ferraris. 2,571,125, Oct. 16.
Box: *See*—
Hinged cover plastic box.
Bracket: *See*—
Adjustable insulator bracket. Pull cord supporting bracket.
Brake. A. Y. Dodge. 2,571,847, Oct. 16.
Brake control system. F. H. Boesche, L. D. Staver, and P. L. R. Griffith. 2,571,821, Oct. 16.
Brake for automobile vehicles and the like. P. Farkas. 2,571,432, Oct. 16.
Brake shoe support mechanism. M. P. Blomberg. 2,571,410, Oct. 16.
Brake system, Tractor-trailer. J. G. Ingres. 2,571,885, Oct. 16.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,571,116, Oct. 16.
Breaking petroleum emulsions. M. De Groote and B. Keiser. 2,571,119, Oct. 16.
Bridle power sealed connection. H. M. Lamb. 2,571,261, Oct. 16.
Broaching machine. C. O. Lofgren. 2,571,904, Oct. 16.
Bucket, Foliage removal. L. R. Uhland. 2,571,502, Oct. 16.
Buffing wheel and making the same. G. A. Lyon. 2,571,147, Oct. 16.
Buffing wheels, Making. G. A. Lyon. 2,571,148, Oct. 16.
Bullets, Making. F. N. Barnes. 2,571,520, Oct. 16.
Bunch charge forming mechanism. R. E. Rundell. 2,571,618, Oct. 16.
Burner: *See*—
Vaporising oil burner.
Burner for furnace walls, Gaseous fuel. R. E. Buckholdt. 2,571,336, Oct. 16.
Burner for tipping-off glass articles, Multiple gas. P. O. Cartun. 2,571,537, Oct. 16.
Button fastener. O. J. Huelster. 2,571,719, Oct. 16.
Cabinet: *See*—
Knockdown wall cabinet.
Cabinet and mechanism, Rotatable. M. W. Loewi, O. G. Furman, and B. L. Mueller. 2,571,903, Oct. 16.
Cable anchor for winding drums. R. N. Cordrey and D. E. Wright. 2,571,341, Oct. 16.
Caliper for high precision measurements. F. C. Foss. 2,571,558, Oct. 16.
Can arranging apparatus. W. M. Tomkins. 2,571,790, Oct. 16.
Can changing mechanism for textile machines. O. C. Hinson. 2,571,880, Oct. 16.
Can cover clincher. M. L. Dodge. 2,571,691, Oct. 16.
Can holder. F. A. Childsey. 2,571,833, Oct. 16.
Candy package and preserving candy. F. J. Arnold. 2,571,516, Oct. 16.
Cap: *See*—
Bottle cap. Submersible vent cap.
Cap remover, Crimped. M. Kondakow and J. Wong. 2,571,898, Oct. 16.
Car truck, Stabilized. F. D. Barber. 2,571,519, Oct. 16.
Carboxy-containing xylene-soluble resin. M. De Groote and B. Keiser. 2,571,118, Oct. 16.
Carburetor choke. E. P. Neuser. 2,571,602, Oct. 16.
Carburetor control. T. M. Ball. 2,571,181, Oct. 16.
Carrier: *See*—
Golf club carrier.
Cart, Rolling. F. Neal. 2,571,601, Oct. 16.
Carton. B. Haynes. 2,571,133, Oct. 16.
Carton, Counter display. B. B. Kaplan. 2,571,252, Oct. 16.
Carton cutter attachment for drink mixers. G. H. Goodman and A. B. Staples. 2,571,705, Oct. 16.
Carton with corner-shaped closure cap. W. B. Butler. 2,571,199, Oct. 16.
Cash register and accounting machine. L. E. Zurbuchen. 2,571,645, Oct. 16.
Cast cutter. M. Boyer. 2,571,527, Oct. 16.
Cattle chute gate. J. C. Rolfe and W. S. White. 2,571,487, Oct. 16.
Centrifugal pump. E. R. Wilfley and J. L. Aldred, Jr. 2,571,802, Oct. 16.
Centrifugal pump and turbine reversible fluid transmission. D. B. Alexander. 2,571,179, Oct. 16.
Ceramic composition. L. Bonnet. 2,571,526, Oct. 16.
Ceramic composition. A. Dauzin and J. Calis. 2,571,844, Oct. 16.
Certain resins and oxyalkylated derivatives thereof. M. De Groote and B. Keiser. 2,571,117, Oct. 16.
Chain welding machine. P. Esser and P. Wils. 2,571,553, Oct. 16.
Chamfering tool. W. W. Vawter. 2,571,395, Oct. 16.
Cheese products and making the same, Roasted. J. J. Ruys. 2,571,765, Oct. 16.
Child's vehicle. W. F. O'Halloran. 2,571,750, Oct. 16.
Chiropractic adjustment table. T. C. Buckley. 2,571,829, Oct. 16.
Chlorinated polyisoprene. J. D. D'Ianni. 2,571,346, Oct. 16.
Chlorinating process. F. E. Lawlor. 2,571,901, Oct. 16.
Chlorosiloxanes, Preparing. J. F. Hyde. 2,571,884, Oct. 16.
Circuit: *See*—
Gaseous discharge circuit. Television synchronising circuit.
Phase inverter circuit. Pulse counter circuit.
Tone control circuit.
Sweep circuit.
Circuit arrangement embodying electron discharge device employing hollow resonator. C. S. Bull. 2,571,676, Oct. 16.
Circuit breaker, Air. P. Olsson and R. E. Frink. 2,571,933, Oct. 16.
Circuit interrupter, Arc extinguishing. H. W. Graybill. 2,571,864, Oct. 16.
Circuits, Temperature compensated diode measuring. H. C. Lawrence, Jr., and R. R. Freas, Jr. 2,571,458, Oct. 16.
Clamp. K. E. Bergström. 2,571,659, Oct. 16.
Clamping structure, Mophead. M. Seemann. 2,571,493, Oct. 16.
Cleaner: *See*—
Bottom opening suction cleaner. Steam cleaner. Venetian blind cleaner.
Cleaner and lubricator, Machine belt. W. C. Waters, Sr. 2,571,320, Oct. 16.
Cleaning composition for removing asphaltic coatings. J. C. Showalter. 2,571,956, Oct. 16.
Cleaning metal articles of adherent rubber and the like. J. C. Baker. 2,571,328, Oct. 16.
Closure fastener. J. Felsch. 2,571,353, Oct. 16.
Closure for pouring spouts, connected thereto by a weakened, frangible element. A. J. Collins. 2,571,542, Oct. 16.
Clutch: *See*—
Magnetic clutch.
Clutch control mechanism. H. W. Price and E. E. Hupp. 2,571,162, Oct. 16.
Clutch plate. H. V. Reed. 2,571,291, Oct. 16.
Coat, Combination. H. Kessler. 2,571,255, Oct. 16.
Coat hanger. A. Guttman. 2,571,358, Oct. 16.
Coating thermocouples. W. D. Ford. 2,571,700, Oct. 16.
Code device. W. C. Washcoe. 2,571,174, Oct. 16.
Coil winding machine. D. E. Hooker. 2,571,243, Oct. 16.
Coke-oven buckstay structure. R. K. Millard. 2,571,597, Oct. 16.
Cold process water softener. G. P. Clement. 2,571,421, Oct. 16.
Collapsible or folding infant's auto seat. T. H. Bonk. 2,571,823, Oct. 16.
Colloidal silver, Production of. H. O. Dickinson. 2,571,688, Oct. 16.
Color television tube. R. L. Snyder, Jr. 2,571,991, Oct. 16.
Colored filaments and fibers, Production of. E. Waters and L. Wood. 2,571,319, Oct. 16.
Columned game board. J. K. Aird. 2,571,403, Oct. 16.
Comb, Toilet. E. L. H. Cosby. 2,571,205, Oct. 16.
Combination bowler's and traveling bag. A. A. Kath. 2,571,892, Oct. 16.
Combination door. J. di Giallerenzo. 2,571,846, Oct. 16.
Combine machine. W. M. Miller. 2,571,469, Oct. 16.
Combined square and tape measure. W. Greenwood. 2,571,569, Oct. 16.
Composite powdered metal bearing. J. Haller. 2,571,868, Oct. 16.
Composition and treatment of drilling fluids. S. E. Temple. 2,571,093, Oct. 16.
Compressor, Refrigerant. B. W. Bogdan. 2,571,820, Oct. 16.
Computing or indicating apparatus. H. L. Reilly, F. H. Scrimshaw and P. C. Lambert. 2,571,484, Oct. 16.
Concentrating aqueous acid solutions utilising combinations of low and high boiling solvents. C. E. Morrell. 2,571,919, Oct. 16.
Concentration of land pebble phosphate. E. W. Greene. 2,571,866, Oct. 16.
Connecting articles with a graded coating of glass, Method and apparatus for. V. L. Plagge. 2,571,608, Oct. 16.
Connecting switch device. W. W. Turner. 2,571,794, Oct. 16.

Connector: *See*—
Battery terminal connector.
Contact gauge and guide, Opposed. M. Mennesson. 2,571,917, Oct. 16.
Container: *See*—
License and key container.
Container. W. T. Pettit. 2,571,482, Oct. 16.
Container and closure therefor, Bag-type. F. Lobl. 2,571,144, Oct. 16.
Container and making it, Egg. S. Bergstein. 2,571,408, Oct. 16.
Container and toy, Combined. S. P. Midouhas. 2,571,744, Oct. 16.
Container for pipe tobacco, Pocket. J. Henchert. 2,571,714, Oct. 16.
Container with a spout and puncturing blade hingedly attached, Dispensing. A. Urch. 2,571,798, Oct. 16.
Continuous determination of fluid mixture compositions. W. B. Milligan. 2,571,470, Oct. 16.
Continuous process for polymerising aliphatic aldehydes. M. F. Quinn and B. K. Bright. 2,571,759, Oct. 16.
Contour cutter. W. C. Schilling. 2,571,952, Oct. 16.
Control apparatus. J. C. Patterson, Jr. 2,571,480, Oct. 16.
Control apparatus for aircraft. T. A. Moses, Jr. 2,571,745, Oct. 16.
Control arrangement for facsimile apparatus. C. E. Hunt, Jr. 2,571,720, Oct. 16.
Control device. P. S. Jackson. 2,571,886, Oct. 16.
Control means for radiation detectors. J. C. Connor and T. Fahrner. 2,571,838, Oct. 16.
Control system for multiple rotor helicopters. J. A. Green. 2,571,563, Oct. 16.
Conversion apparatus. J. C. Mouson. 2,571,746, Oct. 16.
Conversion of hexaalkyldilead to tetraalkyllead. T. W. McDyer and R. D. Closson. 2,571,987, Oct. 16.
Convertible motor. L. R. Ludwig, T. C. Fockler, W. H. Formhals, and H. T. Walton. 2,571,907, Oct. 16.
Conveyer, Flight. H. W. Hapman. 2,571,444, Oct. 16.
Cooker. A. G. Swenson. 2,571,782, Oct. 16.
Cooker, Electric combination. H. R. Davis. 2,571,216, Oct. 16.
Cooking apparatus for waffles and the like. M. and J. W. Kasman. 2,571,891, Oct. 16.
Cooking range rack manipulator. H. M. and R. A. Ray. 2,571,943, Oct. 16.
Cooling tower. G. M. Slaughter and G. Puls. 2,571,958, Oct. 16.
Copolymers of β, β-difluoracrylic acid esters. J. B. Dickey and J. G. McNally. 2,571,687, Oct. 16.
Corn picker with cutter. E. F. Greedy and E. J. Schaaf. 2,571,886, Oct. 16.
Correcting photographic color prints. R. M. Evans. 2,571,691, Oct. 16
Coupling: *See*—
Overload release coupling.
Coupling gasket. C. M. Drinkwater, Jr. 2,571,348, Oct. 16.
Cover: *See*—
Crib cover.
Cover and punch, Can. J. F. Seybold. 2,571,387, Oct. 16.
Crib cover. L. M. Ball. 2,571,406, Oct. 16.
Cross control system. R. S. Brannin. 2,571,106, Oct. 16.
Cultivator, Power. L. E. Bowman. 2,571,191, Oct. 16.
Cup guiding device. R. E. Parks. 2,571,479, Oct. 16.
Current feed and holder for positive carbon of motion-picture projector lamps. R. W. Gooch. 2,571,128, Oct. 16.
Cutter: *See*—
Adjustable cake cutter. Fabric cutter.
Cast cutter. Pipe cutter.
Contour cutter. Stalk cutter.
Cutting and stacking machine, Automatic sheet. F. R. Piper and J. M. Gardner. 2,571,941, Oct. 16.
Cutting tool. B. F. Keiper. 2,571,455, Oct. 16.
Cylinder, Rotatable electrically heated drying. M. Doniak. 2,571,425, Oct. 16.
Damping means. H. M. Stoller. 2,571,780, Oct. 16.
Dashboard construction, Vehicle. E. M. Sloman and G. J. Cogan. 2,571,627, Oct. 16.
De-aeration of paper making fibers. J. A. De Cew. 2,571,219, Oct. 16.
Deaerator and dirt separator. A. F. Underwood. 2,571,503, Oct. 16.
Decorative printing of polyvinyl chloride sheets. L. H. and F. M. Smith. 2,571,962, Oct. 16.
Decortication of fibrous material. A. Burkardt. 2,571,108, Oct. 16.
Defroster. E. F. Brill and O. W. Schroeder. 2,571,192, Oct. 16.
Degreasing machine. T. J. Kearney. 2,571,581, Oct. 16.
Δ5,7-androstadienolones and process. S. Bernstein and K. J. Sax. 2,571,330, Oct. 16.
Dental appliance. H. Freedman. 2,571,856, Oct. 16.
Desolventising of solvent-extracted solid particles. E. H. Leslie. 2,571,143, Oct. 16.
Detergent compositon. P. B. H. M. Dobbelmann and S. H. Bertram. 2,571,690, Oct. 16.
Device for lubricating fluid pressure operated means. A. L. Samson. 2,571,770, Oct. 16.
Device for sealing the joint between the surfaces of two relatively rotatable members. H. W. Trevaskis. 2,571,500, Oct. 16.
Device for teaching perspective. E. E. Rissland. 2,571,613, Oct. 16.
Device for the examination of postage stamps. N. A. Benson. 2,571,188, Oct. 16.
Device for the treatment or impregnation of rayon and similar textile fibers. B. Steverlynck. 2,571,305, Oct. 16.
Device for use in packaging food. A. J. Thiede. 2,571,630, Oct. 16.
Device for use in the adhesive attachment of edge bindings to shoe platforms. C. G. Melanson. 2,571,276, Oct. 16.
Diamond tools, Making. A. Simons. 2,571,772, Oct. 16.
Diaper, Tape string. R. Howard. 2,571,577, Oct. 16.
Differential mechanism. M. J. Drachman. 2,571,427, Oct. 16.
Dilution of liquid concentrates. C. S. Dailey. 2,571,424, Oct. 16.
Discharge conveyer mechanism for articles. E. Hoffman. 2,571,135, Oct. 16.
Disher, Ice-cream. B. F. Lawrence and E. E. Lawrence. 2,571,729, Oct. 16.
Dishwashing and clotheswashing machine, Convertible. A. H. Gerhardt and A. P. Schuls. 2,571,438, Oct. 16.
Dispenser: *See*—
Envelope dispenser.
Dispenser and spreader, Bobby-pin. L. O. Peguero. 2,571,481, Oct. 16.
Dispenser for garbage cans, Liquid. T. A. Drinkhaus. 2,571,426, Oct. 16.
Dispensing apparatus, Automatic beverage. R. A. Nicholson. 2,571,283, Oct. 16.
Dispensing apparatus, Hairpin. E. P. Hughes. 2,571,450, Oct. 16.
Display stand. B. Slanhoff. 2,571,301, Oct. 16.
Distance and bearing plate for cane mills. F. Hegenbarth. 2,571,873, Oct. 16.
Distributor for bituminous and like materials. S. R. Etnyre. 2,571,850, Oct. 16.
Di (tert-alkyl) mercaptals. W. M. Crouch. 2,571,114, Oct. 16.
Door: *See*—
Combination door.
Door. A. Embury, II. 2,571,696, Oct. 16.
Door dewarping device. F. G. Lando. 2,571,142, Oct. 16.
Door for refrigerator compartments. A. E. Nave. 2,571,600, Oct. 16.
Doorknob structure. W. R. Schlage. 2,571,767, Oct. 16.
Dresser mounting. L. O. Carlsen. 2,571,339, Oct. 16.
Drier: *See*—
Rotary drum drier.
Drill bit. W. B. Noble. 2,571,930, Oct. 16.
Drill hole and underground resistivity method. A. A. Brant. 2,571,529, Oct. 16.
Drive mechanism for tape facsimile apparatus. R. G. Thompson. 2,571,785, Oct. 16.
Drive release and brake for stitching machines. W. R. Spiller and L. D. Barley. 2,571,303, Oct. 16.
Dry process for making composite products with pH control. E. G. Hallonquist. 2,571,986, Oct. 16.
Duplicator attachment for stiff ledger sheets. W. Eichenbaum. 2,571,551, Oct. 16.
Early warning relay system. D. Sarnoff. 2,571,386, Oct. 16.
Earth auger. W. L. Hollander. 2,571,244, Oct. 16.
Effecting cable joints. V. L. Garrison. 2,571,857, Oct. 16.
Electric current producing cell. S. Ruben. 2,571,616, Oct. 16.
Electric steam generator. R. W. Lohman. 2,571,462, Oct. 16.
Electric switch. R. Goldschmidt and A. E. Wood. 2,571,564, Oct. 16.
Electric switch. H. E. Jackson. 2,571,453, Oct. 16.
Electric switch. G. J. Meuer. 2,571,467, Oct. 16.
Electric system. R. H. Rines. 2,571,163–4, Oct. 16.
Electrical actuation means. R. C. Churchman. 2,571,419, Oct. 16.
Electrical apparatus. W. Schaelchlin. 2,571,951, Oct. 16.
Electrical apparatus. T. Tognola. 2,571,788–9, Oct. 16.
Electrical furnace. E. Del Butero. 2,571,218, Oct. 16.
Electrical monitoring system. T. W. Hallerberg. 2,571,360, Oct. 16.
Electroacoustical apparatus, Portable. E. F. Andrews. 2,571,514, Oct. 16.
Electrocardiograph. M. W. Edinburg. 2,571,223, Oct. 16.
Electrode feeding mechanism. J. K. Elderkin and F. J. Strassner. 2,571,552, Oct. 16.
Electrodialytic treatment of well-drilling fluids. E. E. Huebotter. 2,571,247, Oct. 16.
Electrolytic cell and, in particular, alkaline cell. G. Neumann and U. Gottesmann. 2,571,927, Oct. 16.
Electromagnet control mechanism with two armatures. F. H. Winter. 2,571,803, Oct. 16.
Electron discharge tube. J. L. H. Jonker and A. J. W. M. van Overbeek. 2,571,723, Oct. 16.
Eliminating stain in photographic color material. D. B. Kimball and W. H. McDowell. 2,571,725, Oct. 16.

Emergency release for locking devices. I. W. Vensel. 2,571,969, Oct. 16.
Emergency stop system. A. J. Winchester, Jr., and W. T. Hunt, Jr. 2,571,982, Oct. 16.
End hook. J. H. Zeeven. 2,571,402, Oct. 16.
Engine: *See*—
Rotary internal-combustion engine.
Valve-controlled four-stroke cycle internal-combustion engine.
Engine. J. P. Butterfield. 2,571,198, Oct. 16.
Engine starter. S. Gilbert. 2,571,230, Oct. 16.
Envelope dispenser. R. M. Cain. 2,571,831, Oct. 16.
Erecting reinforced concrete structures. L. T. Dunning. 2,571,549, Oct. 16.
Ether-substituted unsaturated esters, Preparation of. W. J. Croxall and H. J. Schneider. 2,571,212, Oct. 16.
Exercising health device. V. E. Pruitt, Sr. 2,571,757, Oct. 16.
Extracting organic acids and their salts from cork, and products resulting from this extraction. G. Dupont and A. Guillemonat. 2,571,221, Oct. 16.
Fabric: *See*—
Pile fabric.
Fabric cutter. A. T. Guest. 2,571,234, Oct. 16.
Fabricated splined shaft. A. A. Warner. 2,571,318, Oct. 16.
Fan, Ventilating. A. I. Mayr. 2,571,374, Oct. 16.
Fastener: *See*—
Basket cover fastener. Quick release locking type shear load bearing fastener.
Bolt fastener.
Button fastener. Spring stud fastener.
Closure fastener.
Fastener for sliding doors of railway cars. G. E. Dath. 2,571,215, Oct. 16.
Faucet. F. F. Agudo. 2,571,327, Oct. 16.
Feeder: *See*—
Automatic poultry feeder. Filament coil feeder.
Feeder for wild birds, Selective. M. S. Meaker. 2,571,275, Oct. 16.
Filament coil feeder. A. C. Jones. 2,571,579, Oct. 16.
Film cassette. L. A. Ulmschneider and C. W. Lewis. 2,571,796, Oct. 16.
Film handling means for developing tanks. J. Langer. 2,571,900, Oct. 16.
Film winding and rewinding mechanism. F. N. Woodhouse and C. E. Swing. 2,571,807, Oct. 16.
Film winding and shutter tensioning mechanism. H. A. Bing and C. W. Pribus. 2,571,661, Oct. 16.
Fin wedge for high heel shoes. L. D. and J. Brannen. 2,571,673, Oct. 16.
Finishing tool. R. G. Ames. 2,571,096, Oct. 16.
Fire control mechanism for firearms. E. M. Harvey. 2,571,132, Oct. 16.
Fire extinguisher. T. A. Henshaw. 2,571,877, Oct. 16.
Fish lure. E. W. Dyer. 2,571,222, Oct. 16.
Fish lure. C. F. Weigandt. 2,571,980, Oct. 16.
Fishing line and bobber, Combination. E. L. Aldinger, Jr. 2,571,808, Oct. 16.
Fishing reel. J. M. Goldberg. 2,571,440, Oct. 16.
Fishing rod. H. Dubois. 2,571,692, Oct. 16.
Flame shield assembly for carbon black apparatus. D. Glaxner. 2,571,127, Oct. 16.
Flashlight lamp. J. H. M. van Uden and G. D. Rieck. 2,571,799, Oct. 16.
Flexible mobile receptacle. B. F. Grimth. 2,571,442, Oct. 16.
Flight attachment for chain conveyers. V. E. Keeney. 2,571,724, Oct. 16.
Fluid actuating system and apparatus. T. L. Hallenbeck. 2,571,359, Oct. 16.
Fluid conduit device for vehicle doors. J. B. Parsons. 2,571,379, Oct. 16.
Fluid heating. C. L. Norton, Jr. 2,571,749, Oct. 16.
Fluid mixing system. W. V. Offutt. 2,571,476, Oct. 16.
Fluid operable device. H. M. Purcell. 2,571,758, Oct. 16.
Fluid pressure control valve unit. H. W. Trevaskis. 2,571,311, Oct. 16.
Fluid pressure means for adjusting the valve gear for steam engines. H. G. Mueller. 2,571,278, Oct. 16.
Fluid pressure operated switch. W. H. Ruffe. 2,571,617, Oct. 16.
Fluid pump. W. C. Hackman. 2,571,711, Oct. 16.
Fluid shutter for light-projecting apparatus. J. D. Kennelly. 2,571,894, Oct. 16.
Fluorohydrocarbon substituted methylsiloxanes. C. F. Kohl, Jr. 2,571,090, Oct. 16.
Foldable canopy frame. E. Hervey. 2,571,362, Oct. 16.
Force responsive device for flow meters. F. W. Godsey, Jr. 2,571,863, Oct. 16.
Forming grinding wheels. W. F. Ross. 2,571,293, Oct. 16.
Forming hand-operated striking tools. E. O. Estwing. 2,571,350, Oct. 16.
4-amino cardanol. D. Wasserman and S. Caplan. 2,571,091, Oct. 16.
4-amino cardanol as an antioxidant for mineral hydrocarbon oil. D. Wasserman and S. Caplan. 2,571,092, Oct. 16.
Frame: *See*—
Foldable canopy frame.
Friction shock absorbing mechanisms. A. E. Dentler. 2,571,220, Oct. 16.
Fuel injection pump. C. W. Truxell, Jr. 2,571,501, Oct. 16.
Fuel weighing device, Electrical. L. E. Ellison. 2,571,695, Oct. 16.
Furnace: *See*—
Electrical furnace.
Fuse construction. S. I. Lindell. 2,571,735, Oct. 16.
Fuse construction. W. O. Schultz. 2,571,492, Oct. 16.
Gap cover attachment for automobile seats. E. J. Hicks. 2,571,574, Oct. 16.
Garment hanger. E. G. Von Gunten. 2,571,635, Oct. 16.
Garment, Infant's sleeping and tethering. J. P. Whiskeman, Jr. 2,571,399, Oct. 16.
Garments, Rain-and slushproof. J. Clyne. 2,571,202, Oct. 16.
Gas shielded arc welding torch. K. C. Craven. 2,571,684, Oct. 16.
Gas timing and metering valve. R. P. Hebert. 2,571,713, Oct. 16.
Gaseous discharge circuit. M. R. Boyd and L. Malter. 2,571,824, Oct. 16.
Gate: *See*—
Cattle chute gate.
Gauge for coils, Adjustment. R. G. Russell. 2,571,947, Oct. 16.
Gauging device, Pneumatic size. A. L. A. Fortier. 2,571,557, Oct. 16.
Gear: *See*—
Torpedo depth control gear.
Generator: *See*—
Electric steam generator.
Glass drawing machine bearing support. C. H. Hart. 2,571,239, Oct. 16.
Glass washer. H. J. Lever. 2,571,902, Oct. 16.
Golf club carrier. W. A. Stringer. 2,571,392, Oct. 16.
Golf training device. J. Walker. 2,571,974, Oct. 16.
Governor mechanism. J. S. Dale. 2,571,842, Oct. 16.
Grain storage terminal. J. R. Morrow. 2,571,277, Oct. 16.
Grate, Burner. C. M. Mayer. 2,571,741, Oct. 16.
Grate for batch sintering machines, Side discharge. W. Kelsey. 2,571,582, Oct. 16.
Griddle cake machine. C. E. Dashwood. 2,571,344, Oct. 16.
Griddlecake machine. A. W. Massecar. 2,571,373, Oct. 16.
Grille for ventilating apparatus, Removable. G. H. Koch. 2,571,726, Oct. 16.
Grinding and polishing machine, Glass. W. R. Robbins. 2,571,614, Oct. 16.
Grinding device, Crankshaft. J. C. Stodgell. 2,571,779, Oct. 16.
Grinding method and apparatus. R. L. Young. 2,571,324, Oct. 16.
Grounding switch operating mechanism. C. W. Smith. 2,571,960, Oct. 16.
Growing crystals, Method of and apparatus for. F. Baldussi. 2,571,651, Oct. 16.
Guanidine salts, Preparation of. N. H. Marsh. 2,571,911, Oct. 16.
Gyroscope. H. Konet. 2,571,727, Oct. 16.
Hair dressing device. G. Forrester. 2,571,701, Oct. 16.
Hair setting device. L. M. Smidt. 2,571,773, Oct. 16.
Halohydrin ethers of phenols, Production of. O. L. Davis, H. S. Knight, and J. R. Skinner. 2,571,217, Oct. 16.
Hammer and the like, Safety guard. M. Braccio. 2,571,526, Oct. 16.
Handle assembly. L. H. Snyder. 2,571,389, Oct. 16.
Hanger: *See*—
Coat hanger. Garment hanger.
Harvester, Cotton. W. M. Edwards. 2,571,224, Oct. 16.
Harvester gatherer. N. F. Andrews. 2,571,811, Oct. 16.
Head for golf clubs, Adjustable. J. Verderber. 2,571,970, Oct. 16.
Headlight control. R. G. Wensel. 2,571,981, Oct. 9.
Heat exchange element. P. R. Trumpler. 2,571,631, Oct. 16.
Heater: *See*—
Hot-water heater.
Heating unit, Electric. J. McOrily. 2,571,274, Oct. 16.
Herbicide sprays. W. J. Hanson and J. M. Dunham. 2,571,712, Oct. 16.
High dextrin dextrose process. J. E. Cleland and A. L. Meyer. 2,571,541, Oct. 16.
High molecular weight thioethers, Manufacture of. J. F. Olin. 2,571,157, Oct. 16.
Hinge, Door. E. Vogel. 2,571,633, Oct. 16.
Hinge, Self-locking. P. H. Durup. 2,571,430, Oct. 16.
Hinged cover plastic box. R. P. Magnenat. 2,571,909, Oct. 16.
Hoist for removing and installing springs on buses, trucks, and the like. D. L. Harmon. 2,571,572, Oct. 16.
Holder: *See*—
Adjustable gib chaser holder. Stereoscopic transparency holder.
Can holder. Tie holder.
Sanitary pad holder. Watch movement holder.
Holder and punch, Ticket. O. C. Heinemann. 2,571,875, Oct. 16.
Holding rack. W. L. Wagner. 2,571,972, Oct. 16.
Hollow article of concrete and the like. C. M. C. Janssens van der Maelen. 2,571,578, Oct. 16.

Hook: *See*—
Snap hook.
Hose support. H. W. Shanahan. 2,571,388, Oct. 16.
Hot aqueous extraction of enzymes from insulin-free pancreas. S. E. Frederiksen. 2,571,126, Oct. 16.
Hot-water heater. J. B. Sandler. 2,571,949, Oct. 16.
Hydraulic brake control device. W. Stelzer. 2,571,963, Oct. 16.
Hydraulic feed mechanism. R. E. Price. 2,571,610, Oct. 16.
Hydraulic piston. E. Christensen. 2,571,538, Oct. 16.
Hydraulic tensioning nut. A. G. E. Leufvén. 2,571,265, Oct. 16.
Hydraulic transmission. L. Genety. 2,571,561, Oct. 16.
Hydrocarbon conversion utilising Friedel-Crafts catalysts. J. W. Latchum, Jr. 2,571,262, Oct. 16.
Hydrocarbon vaporization and cracking process, Combination. J. A. Crowley, Jr. 2,571,342, Oct. 16.
Hydrocyanation of conjugated diolefinic compounds. P. Arthur, Jr., and B. C. Pratt. 2,571,099, Oct. 16.
Hydrogen, Manufacture of. J. H. Shapleigh. 2,571,953, Oct. 16.
Hydrogenation of tartaric acid esters to erythritol. N. R. Treanor and F. A. Bacher. 2,571,967, Oct. 16.
Hygrometer, Dew point. K. S. Van Dyke. 2,571,171, Oct. 16.
Ice bunker. Refrigerator car. W. H. Keleher. 2,571,253, Oct. 16.
Ice cream, Making. R. Horton. 2,571,136, Oct. 16.
Ice forming and ice melting cooling system. J. I. Morrison. 2,571,924, Oct. 16.
Ignition device. L. H. Segall. 2,571,769, Oct. 16.
Illuminated aircraft wing tip. J. Orlansky. 2,571,158, Oct. 16.
Implement, Eradicating. G. Sala. 2,571,620, Oct. 16.
Implement, Planter supporting. J. J. Bauer. 2,571,407, Oct. 16.
Incremental freezing. J. R. Watt. 2,571,506, Oct. 16.
Index for sensitive measuring instruments. G. E. Conover and C. D. McClure. 2,571,839, Oct. 16.
Indicating apparatus. G. E. Conlisk. 2,571,423, Oct. 16.
Indicator: *See*—
Level indicator.
Peak-reading tuning indicator.
Pressure indicator.
Refrigerator frost indicator.
Wide range tuning indicator.
Indicator for scales and the like, Percentage. A. G. Brown. 2,571,415, Oct. 16.
Indicator support. A. Fontecchio. 2,571,853, Oct. 16.
Infrared objective lens. P. H. Taylor. 2,571,307, Oct. 16.
Infusion package with expandible bottom and manufacture thereof. H. O. Irmscher 2,571,138, Oct. 16.
Injection molding apparatus. T. Saulino. 2,571,766, Oct. 16.
Inking apparatus for machines for stamping decorations on pottery ware. A. A. Wells and G. S. Knapp. 2,571,638, Oct. 16.
Inking arrangement for printing machines. M. Reynolds and H. G. Barrett. 2,571,383, Oct. 16.
Insoles channeled only in the shank region, Making. V. A. Sherbrook. 2,571,299, Oct. 16.
Insulating splice protector. J. J. Sigman. 2,571,771, Oct. 16.
Intercooler, Refrigerant cooled. A. H. King. 2,571,256, Oct. 16.
Interferometer with right-angle reflector surfaces at end of each divided beam. E. R. Peck. 2,571,937, Oct. 16.
Interlocking mechanism for gasoline dispensing pumps. G. E. Chevallier. 2,571,200, Oct. 16.
Intermediate derivatives of certain carboxyl-containing xylene-soluble resins. M. De Groote and B. Keiser. 2,571,121, Oct. 16.
Iodinated amino benzoylamino alkanoic-acids, Preparing. S. Archer. 2,571,515, Oct. 16.
Ironing board and clamp, Combined. V. F. Baker. 2,571,518, Oct. 16.
Isolation of bacterial mutants. B. D. Davis. 2,571,115, Oct. 16.
Jack: *See*—
Auto jack.
Jar cap remover, Pry type. R. H. Williams. 2,571,401, Oct. 16.
Joining annularly disposed sections of vulcanized rubber strip stock. S. Kusiak. 2,571,259, Oct. 16.
Joint for roofing or like sheets. P. E. McCullough. 2,571,273, Oct. 16.
Joint for timbers or the like. R. R. Dupler. 2,571,429, Oct. 16.
Journal lubricator. A. A. Hammer. 2,571,235, Oct. 16.
Knitting machine, Straight. J. P. Ludwig. 2,571,591, Oct. 16.
Knob for spindles of electrical apparatus and the like. E. W. Clark. 2,571,681, Oct. 16.
Knockdown wall cabinet. F. W. Schmidt. 2,571,622, Oct. 16.
Laminated wooden members, Manufacture of. H. H. Paysant. 2,571,604, Oct. 16.
Lamp: *See*—
Flashlight lamp.
Lamp and manufacture thereof, Coated flash. M. Pipkin and J. D. Johnson. 2,571,807, Oct. 16.
Lamp held in position by resilient clamps, Vehicle. D. M. Morgenstern. 2,571,575, Oct. 16.
Land measuring device. F. J. Cochnar. 2,571,682, Oct. 16.
Lantern slide mount. L. S. Rodger and C. H. Chapman. 2,571,764, Oct. 16.
Lard and producing same, Modified. R. J. Vander Wal and L. A. Van Akkeren. 2,571,315, Oct. 16.
Latch: *See*—
Automatic gate latch.
Latch unit for disk harrows, Drawbar. C. H. Youngberg. 2,571,512, Oct. 16.
Laterally rocking type tire removing hand tool. H. Aycock. 2,571,517, Oct. 16.
Lawn mower reel drive. E. L. Boyce and M. D. Burrows. 2,571,669, Oct. 16.
Leaf spring band construction. M. V. O'Donnell. 2,571,475, Oct. 16.
Leather compacting and burnishing machine. J. J. Maciejowski and R. W. Daniels, Jr. 2,571,149, Oct. 16.
Lens mount. F. L. Baxter, Jr. 2,571,186–7, Oct. 16.
Lens mount and film gate arrangement for projection apparatus. O. Wittel and C. E. Swing. 2,571,804, Oct. 16.
Lens system, Catadioptric. H. F. Bennett. 2,571,657, Oct. 16.
Level indicator. C. W. Parisi. 2,571,378, Oct. 16.
Leveling device. A. H. Peters. 2,571,287, Oct. 16.
License and key container. V. S. Powell. 2,571,609, Oct. 16.
Lifting attachment for glass table tops. C. O. Shellman. 2,571,626, Oct. 16.
Light for truck bodies, Disappearing clearance. A. E. Hargis. 2,571,130, Oct. 16.
Lighter, Gas fueled cigar. A. L. Flamm. 2,571,435, Oct. 16.
Lightning arrester. E. F. W. Beck. 2,571,814, Oct. 16.
Limit switch. H. C. Blodgett. 2,571,818, Oct. 16.
Line indicator and copyholder. G. Greenberg. 2,571,567, Oct. 16.
Line switch, starting switch, and overload for electric motors, Combination. L. R. Beard, R. E. Seely, and G. C. Holdgreve. 2,571,654, Oct. 16.
Liquid cooling apparatus. J. I. Morrison. 2,571,923, Oct. 16.
Load-responsive device. E. T. Howes. 2,571,718, Oct. 16.
Loading and unloading attachment for automotive vehicles. W. A. Orlowsky. 2,571,751, Oct. 16.
Lock: *See*—
Trailer hitch lock.
Log turner, Power swung. J. B. Allen. 2,571,177, Oct. 16.
Loose-leaf binder. J. A. Rennie. 2,571,945, Oct. 16.
Lubricated valve. F. Tratnik. 2,571,966, Oct. 16.
Lubricator: *See*—
Journal lubricator.
Lubricator with adjustable oil feeder for pneumatic tools. J. W. Arnold. 2,571,098, Oct. 16.
Machine for burning edges of leather pieces. A. and R. Tosi. 2,571,792. Oct. 16.
Machine for continuous polishing of wire or rods. P. G. Vinell and B. H. Jernberg. 2,571,632, Oct. 16.
Machine for feeding paper. R. Propersi. 2,571,942, Oct. 16.
Machine for making resilient batts. W. H. Browne. 2,571,335, Oct. 16.
Machine for preparing masking paper. J. L. Watson. 2,571,978, Oct. 16.
Machine for severing and shaping metal plates. J. H. Bucknam and J. H. Rountree. 2,571,196, Oct. 16.
Machine for tier parking motor vehicles. E. P. Whelan and B. N. Rosenbaum. 2,571,508, Oct. 16.
Machine for treating and handling heavy leather. J. J. Maciejowski and R. W. Daniels, Jr. 2,571,269, Oct. 16.
Machine for treating prewelt uppers. R. E. Duplessis and E. Quinn. 2,571,123, Oct. 16.
Machine tool. W. W. Potter and A. J. Fuller. 2,571,288–9, Oct. 16.
Magazine creel for knitting machines, Adjustable. R. M. Bennett. 2,571,523, Oct. 16.
Magnesia refractory. L. W. Austin. 2,571,101, Oct. 16.
Magnesia refractory materials. L. W. Austin. 2,571,102, Oct. 16.
Magnetic clutch. S. R. Rich and K. D. Kysor. 2,571,762, Oct. 16.
Magnetic control of high pressure arc lamp. E. J. G. Beeson and P. Shepherd. 2,571,522, Oct. 16.
Magneto casing, cover, and cable supporting and sealing means therefor. W. J. Spengler and W. G. Roloson. 2,571,774, Oct. 16.
Manifold structure. R. T. Keller. 2,571,254, Oct. 16.
Marble runway. R. L. Barnhart. 2,571,521, Oct. 16.
Masking device for crystals. D. M. Ruggles and A. W. Warner, Jr. 2,571,167, Oct. 16.
Massage device, Pulsating pressure. H. D. Wheeler. 2,571,398, Oct. 16.
Material handling apparatus. H. O. Bissell. 2,571,524, Oct. 16.
Material handling device for industrial trucks. L. G. Ehmann. 2,571,550. Oct. 16.
Measuring device, Thickness. J. T. Rooney. 2,571,488, Oct. 16.
Mechanism for draining moisture from compressed-air storage tanks. R. C. Churchman. 2,571,420, Oct. 16.

Mechanism for latching a receptacle and cover in a recess. F. T. Greenup. 2,571,568, Oct. 16.
Mechanism to prevent jouncing in mechanical vibrating screens and the like. O. R. Strawn. 2,571,391, Oct. 16.
Melamine, Preparation of. N. H. Marsh. 2,571,912, Oct. 16.
Melt spinning process. J. E. Waltz. 2,571,975, Oct. 16.
Metal defect testing method. M. Beyers and J. A. Sadony. 2,571,409, Oct. 16.
Metallic surface for butter churns. F. J. J. J. Henrard. 2,571,573 Oct. 16.
Meter with supervisory warning indicator. A. J. Petsinger. 2,571,938, Oct. 16.
Methacrylic acid esters from acetone cyanhydrin, Manufacture of. A. Brothman. 2,571,194, Oct. 16.
Micrometer caliper assembly. K. W. McNaughton. 2,571,152, Oct. 16.
Mirror arrangement for compacts. A. G. Reiskin. 2,571,485, Oct. 16.
Mitten, Hand-protecting. S. E. Freeman and W. G. Stewart. 2,571,228, Oct. 16.
Mixing and cutting machine. M. O. Simpson. 2,571,300, Oct. 16.
Mixing unit for chemicals and the like, Portable. F. L. Jennings. 2,571,366. Oct. 16.
Mixtures comprising polyacrylonitrile and a polyvinyl acetal. H. W. Coover, Jr., and J. B. Dickey. 2,571,683, Oct. 16.
Mold for and method of making drainpipe splash blocks. R. F. Buchanan. 2,571,417, Oct. 16.
Molding plastic articles. N. O. Broderson. 2,571,193, Oct. 16.
Molding press for plastic dental plates. A. J. Desmoyers. 2,571,546, Oct. 16.
Molding sand handling machine. L. O. Greeley. 2,571,710, Oct. 16.
Mop, Foot. E. Peterson. 2,571,606, Oct. 16.
Motor: *See*—
Convertible motor.
Outboard motor.
Motor drive, Multiple. E. O. Wangerin and R. W. Wetherald. 2,571,801, Oct. 16.
Motor frame having coolant system incorporated therein, Electric. R. B. Hayes. 2,571,872, Oct. 16.
Mount for cathode-ray tubes in Schmidt projector, Adjustable. M. J. Groenenberg. 2,571,233, Oct. 16.
Mounting: *See*—
Dresser mounting.
Resilient mounting.
Ophthalmic mounting.
Mounting for chassis of motor vehicles, Resilient. O. K. Hobbs. 2,571,449, Oct. 16.
Mounting for fastening members and the like. W. L. Trafton. 2,571,394, Oct. 16.
Mounting for flood lights, Inner reflector. F. Sale and D. Press. 2,571,294, Oct. 16.
Mounting for galvanometers, Locking. W. S. Staff. 2,571,776, Oct. 16.
Mounting for sheaves, etc. D. Firth. 2,571,699, Oct. 16.
Mounting for work centers and the like. W. G. Hoelscher. 2,571,363, Oct. 16.
Mounting means for flood light reflectors, Detachable. F. Sale and D. Press. 2,571,295, Oct. 16.
Mulch handling device for use with agricultural implements having earth-working elements. J. A. Stevens. 2,571,496, Oct. 16.
Multicolor printing. N. W. Yelland. 2,571,322, Oct. 16.
Multiple area piston means. W. H. Bennett. 2,571,658, Oct. 16.
Multiple socket wrench. S. Hagar. 2,571,570, Oct. 16.
Mute for musical instruments. J. A. Altosino. 2,571,809, Oct. 16.
N-(β-hydroxyethyl)-3,4,5-trihydroxybenzoic acid amide. M. R. Zentner and G. J. Haas. 2,571,325. Oct. 16.
Neck resizer and bullet seater. G. J. Martin. 2,571,272, Oct. 16.
Neutral esters of thiophosphoric acid. G. Schrader. 2,571,989, Oct. 16.
Nozzle, Eductor. S. A. Hayes. 2,571,870, Oct. 16.
Nozzle with adjustable deflector, Spray. M. Schlonau and H. R. Pinkerton. 2,571,768, Oct. 16.
Oil well pump valve. G. M. Stewart. 2,571,497, Oct. 16.
One sweep type bender for thin wall metallic conduit. R. H. Henderson. 2,571,241, Oct. 16.
1,2-epoxycyclooctane, Manufacture of. L. E. Craig. 2,571,208, Oct. 16.
Opal glass and method of controlling fire thereof. H. P. Hood. 2,571,242, Oct. 16.
Opener and pitcher, Combined can. F. S. Manner. 2,571,464, Oct. 16.
Opener, Can. W. C. Kuykendall. 2,571,728, Oct. 16.
Opener, Can. W. A. Thiem. 2,571,310, Oct. 16.
Opening containers. C. R. Logic. 2,571,500, Oct. 16.
Operating pole assembly for high-tension lines. D. C. Hubbard. 2,571,246, Oct. 16.
Ophthalmic mounting. M. T. Gilden. 2,571,704, Oct. 16.
Organic materials, Preparation of. A. Murray, III, and A. R. Ronzio. 2,571,926, Oct. 16.
Oscillating noise maker for toy pistols. J. Lattuca. 2,571,587, Oct. 16.
Oscillator, Pulse-controlled. G. S. P. Scantlebury. 2,571,296, Oct. 16.
Outboard motor. L. R. S. Holmes and R. J. Spanski. 2,571,245, Oct. 16.
Overload release coupling. C. Hill and C. K. Johns. 2,571,879, Oct. 16.
Overshoe having looped counter strap, Waterproof. K. M. Gaetz. 2,571,437, Oct. 16.
Oxazolines. K. Pfister, III, and M. Tishler. 2,571,940, Oct. 16.
Oxidation of mercaptans. D. C. Bond and M. Savoy. 2,571,666, Oct. 16.
Oxo synthesis process. P. T. Parker and G. O. Hillard, Jr. 2,571,160, Oct. 16.
Oxyalkylated derivatives of certain intermediates obtained from certain carboxyl-containing xylene-soluble resins. M. De Groote and B. Keiser. 2,571,120, Oct. 16.
Packaging. C. M. Carson. 2,571,340, Oct. 16.
Packing structure. J. F. Gall. 2,571,560, Oct. 16.
Pad: *See*—
Shoulder pad.
Ticket pad.
Paralleling lens system. P. H. Taylor. 2,571,308, Oct. 16.
Peak-reading tuning indicator. J. B. Atwood. 2,571,650, Oct. 16.
Pen, Play. B. C. Schindler. 2,571,297, Oct. 16.
Pencil, Telescoping. P. W. Buell. 2,571,830, Oct. 16.
Period timing mechanism. C. V. Bates. 2,571,185, Oct. 16.
Phase inverter circuit. K. Enslein. 2,571,431, Oct. 16.
Phenylation of methacrylic acid. I. J. Wilk and M. A. Spielman. 2,571,639. Oct. 16.
Phosphoric acid esters, Preparing. A. Bell and K. C. Brannock. 2,571,656. Oct. 16.
Photographic contrasts, Producing. J. G. Bos, C. J. Dippel, H. J. Houtman, K. J. Keuning, and S. Wijtzes. 2,571,670. Oct. 16.
Photographic contrasts, Producing. J. G. Bos, N. H. Haack, C. J. Dippel, and K. J. Keuning. 2,571,671, Oct. 16.
Photographic masking process. S. S. Pierke. 2,571,698, Oct. 16.
Piano action. L. Messant. 2,571,155, Oct. 16.
Piano action and pedal assembly, Upright. H. T. Scott-Huntington. 2,571,298. Oct. 16.
Pile fabric. R. C. Gebert and H. J. Eberwein. 2,571,860, Oct. 16.
Pilot, Automatic. R. J. Kutsler. 2,571,260, Oct. 16.
Pipe cutter. H. C. Otis, J. C. Luccous, and I. A. Miller. 2,571,934, Oct. 16.
Pipe-line device. M. R. McKinley. 2,571,916, Oct. 16.
Pipe puller. H. H. Rusk. 2,571,619, Oct. 16.
Piston assembly. N. S. Reynolds. 2,571,486, Oct. 16.
Piston stabilizer. E. T. Chaix. 2,571,110, Oct. 16.
Pivot and bearing. L. S. Williams. 2,571,400, Oct. 16.
Pivot bearing for windows. S. E. Lidin. 2,571,733, Oct. 16.
Plier type shot splitting tool. H. C. Boel and B. C. Hallberg. 2,571,819, Oct. 16.
Pneumatic tire shaping and vulcanising apparatus. T. A. Kolins. 2,571,258, Oct. 16.
Polyether substituted oxasolidines and the like. J. J. Carnes. 2,571,985. Oct. 16.
Polymeric carboxy amide compounds and their production. W. D. Jones. 2,571,251. Oct. 16.
Polymerization of monoalkylethylenes. C. M. Fontana. 2,571,354, Oct. 16.
Polymyxin production. R. G. Benedict. 2,571,104, Oct. 16.
Polyvinyl alcohol gels. D. E. Sargent. 2,571,706. Oct. 16.
Powder puff. L. M. Fox. 2,571,855, Oct. 16.
Power plant lubrication system. L. Rossetto. 2,571,166, Oct. 16.
Power transmission. O. E. Fishburn. 2,571,434. Oct. 16.
Power transmission. P. T. Nims. 2,571,284. Oct. 16.
Power transmission mechanism. W. P. Osgood. 2,571,159, Oct. 16.
Power-transmitting mechanism. S. A. Ochs and O. E. Fishburn. 2,571,474. Oct. 16.
Power unit. P. Altman. 2,571,404. Oct. 16.
Preparing heat-hardenable organopolysiloxane resins. E. C. Britton and H. C. White. 2,571,533. Oct. 16.
Press wheel scraper. W. P. Oehler. 2,571,285. Oct. 16.
Pressure indicator. A. F. Welch. 2,571,507. Oct. 16.
Prevention of corrosion of structural metals by hydrogen sulfide, air, and water. G. A. Marsh. 2,571,739. Oct. 16.
Prevention of deterioration in seeds. A. M. Altschul, M. Z. Condon, and M. G. Lambou. 2,571,095. Oct. 16.
Primary electric cell. R. W. Lewis and A. Linton. 2,571,732, Oct. 16.
Printer's quoin. J. E. Lee and F. Barney. 2,571,263, Oct. 16.
Printing device. A. E. Bowers. 2,571,825, Oct. 16.
Printing machine, Stencil. L. F. D'Autremont. 2,571,685, Oct. 16.
Printing plates, Producing. B. Wells. 2,571,397, Oct. 16.
Process control apparatus. G. Tompkins. 2,571,791, Oct. 16.
Producing dried whole eggs, Method of and apparatus for. W. N. Lindsay and P. C. Wilbur. 2,571,459, Oct. 16.
Product and preparation of periclase. J. C. Hicks and L. W. Austin. 2,571,134, Oct. 16.
Products of certain dibasic acids and acetone-formaldehyde reaction products. M. T. Harvey and P. L. Rosamilia. 2,571,089, Oct. 16.
Projection screen support. A. L. Raven. 2,571,382, Oct. 16.
Prolonging the life of a storage battery. F. Perkins. 2,571,754, Oct. 16.

Proportionary. S. A. Hayes. 2,571,871, Oct. 16.
Protective system for series capacitors. R. E. Marbury and H. A. Travers. 2,571,910, Oct. 16.
Protector: *See*—
Insulating splice protector.
Puck delivering device. E. H. Hughes. 2,571,365, Oct. 16.
Pull cord supporting bracket. I. Lundstrom. 2,571,592, Oct. 16.
Puller: *See*—
Pipe puller.
Pulley. D. Tann. 2,571,393, Oct. 16.
Pulse code modulation system employing code substitution. R. L. Carbrey. 2,571,680, Oct. 16.
Pulse counter circuit. A. A. Nims, Jr. 2,571,929, Oct. 16.
Pump: *See*—
Centrifugal pump.
Fluid pump.
Fuel injection pump.
Rotary displacement pump.
Swash plate pump.
Pump and power take-off, Combination. F. F. and K. M. Bickel. 2,571,105, Oct. 16.
Pumping device, Fluid operated. C. J. Coberly. 2,571,336, Oct. 16.
Purified heparin, Preparing. L. Butturini and G. Bernini. 2,571,678, Oct. 16.
Purifying magnesia containing impurities including iron, manganese, and boron. T. Woodward. 2,571,983, Oct. 16.
Pyrro-colin-carbocyanine dyes and the preparation thereof. R. H. Sprague. 2,571,775, Oct. 16.
Quick release locking type shear load bearing fastener. G. S. Wing. 2,571,641, Oct. 16.
Rack: *See*—
Holding rack.
Radiator. L. D. Waldron. 2,571,505, Oct. 16.
Radioactive iron, Production of. J. A. Swartout. 2,571,963, Oct. 16.
Radio dial and dial drive. G. L. Temple. 2,571,498, Oct. 16.
Radio-frequency distribution system. W. Hotine. 2,571,131, Oct. 16.
Radio receiver sequence tuner. C. E. Miller. 2,571,598, Oct. 16.
Radio wave receiving system. R. H. Rines. 2,571,165, Oct. 16.
Rail anchor. V. C. Armstrong. 2,571,648, Oct. 16.
Rail anchor. J. L. Grant. 2,571,565, Oct. 16.
Railroad tie remover. E. W. Maves. 2,571,914, Oct. 16.
Railway car springs. H. W. Frost, Jr., and L. E. Endsley. 2,571,229, Oct. 16.
Railway signal control system. W. H. Claus. 2,571,834, Oct. 16.
Rake and stacker, Combination buck. E. W. and G. L. Hudson. 2,571,882, Oct. 16.
Ratchet mechanism. E. M. Pfauser and S. Mandl. 2,571,939, Oct. 16.
Reacting tertiary amines with polyvinyl esters and products obtained thereby. D. D. Reynolds and W. O. Kenyon. 2,571,761, Oct. 16.
Reaction product of phthalic anhydride and a primary rosin amine. F. G. Hess. 2,571,716, Oct. 16.
Receptacle: *See*—
Beverage dispensing receptacle.
Flexible mobile receptacle.
Receptacle. A. J. Fabis. 2,571,226, Oct. 16.
Recovering cellulose ester film scrap. H. I. Davis. 2,571,693, Oct. 16.
Recovery of acid values from sulfuric acid sludges. F. W. Breth. 2,571,107, Oct. 16.
Recovery of glycerine. A. E. Craver. 2,571,210, Oct. 16.
Recovery of riboflavin. J. C. Keresztesy and E. L. Rickes. 2,571,895, Oct. 16.
Reefing machine. B. A. Shannon. 2,571,169, Oct. 16.
Reel: *See*—
Fishing reel.
Refining of fatty acids. W. J. Bloomer. 2,571,663, Oct. 16.
Reflecting image-forming optical system for instruments. B. J. Meyer. 2,571,743, Oct. 16.
Refrigerating unit in truck body, Removable. C. A. Hawtes. 2,571,445, Oct. 16.
Refrigerator frost indicator. R. E. Tobey. 2,571,787, Oct. 16.
Regenerating adsorptive material. J. E. Penick. 2,571,880, Oct. 16.
Regenerative kiln. S. S. Kistler. 2,571,897, Oct. 16.
Registering mechanism for scales and the like. A. G. Brown. 2,571,414, Oct. 16.
Regulating system. S. L. Bradley. 2,571,827, Oct. 16.
Relief valve. C. W. Bondurant. 2,571,667, Oct. 16.
Removable blank feeding slat. A. F. Shields. 2,571,955, Oct. 16.
Removal of metallic obstructions in well borings by oxidation. L. H. Watkins. 2,571,636, Oct. 16.
Resilient batts, Making. W. H. Browne. 2,571,334, Oct. 16.
Resilient mounting. E. P. Neher. 2,571,281, Oct. 16.
Resilient side bearing. E. H. Blattner. 2,571,190, Oct. 16.
Resinous compositions comprising a styrene isoolefin copolymer and a vinyl polymer. R. G. Newberg. 2,571,928, Oct. 16.
Resorcinol monobenzoate, Manufacturing. W. M. Gearhart, R. O. Hill, Jr., and M. H. Broyles. 2,571,703, Oct. 16.
Reversing magnetic amplifier control system. W. L. O. Graves. 2,571,708, Oct. 16.
Ribbon breaker for fluid driven yarn traverse mechanisms. R. F. Dyer. 2,571,694, Oct. 16.
Ring with a slide connector, Finger. J. Braunstein. 2,571,674, Oct. 16.
Ringer, Hog. C. L. Austin. 2,571,813, Oct. 16.
Rivet feeding tool. L. Frank. 2,571,436, Oct. 16.
Road surface treating machine. C. J. Heltzel. 2,571,876, Oct. 16.
Rod: *See*—
Fishing rod.
Rotary disk hopper feed for cylindrical articles. M. D. Hopkins and A. Johnson. 2,571,576, Oct. 16.
Rotary displacement pump. G. Olah. 2,571,377, Oct. 16.
Rotary drum drier. H. J. Stieger. 2,571,778, Oct. 16.
Rotary internal-combustion engine. J. Yancy. 2,571,642, Oct. 16.
Rubber derivatives. J. D. D'Ianni. 2,571,345, Oct. 16.
Safety device for pressure vessels. L. B. Smith. 2,571,961, Oct. 16.
Sampler for highly radioactive substances. W. Q. Smith. 2,571,302, Oct. 16.
Sanitary pad holder. C. Gemora. 2,571,357, Oct. 16.
Saw, Tree and log. I. J. Rocklin. 2,571,385, Oct. 16.
Screw insert. J. E. Quigley. 2,571,290, Oct. 16.
Seal for fluid containers. E. T. Armstrong. 2,571,817, Oct. 16.
Sealing machine, Bag. D. Belcher and H. V. Kindseth. 2,571,103, Oct. 16.
Searchlight for attachment to cab roofs and the like, Dirigible. F. Sauer. 2,571,950, Oct. 16.
Seat: *See*—
Angularly adjustable beach seat.
Collapsible or folding infant's auto seat.
Sport seat.
Zigzag spring seat.
Seat cushion, Chair. R. A. Cramer. 2,571,209, Oct. 16.
Seat mount, Adjustable. K. F. Hair. 2,571,443, Oct. 16.
Seed for production of titanium dioxide and making same. M. J. Mayer. 2,571,150, Oct. 16.
Seed tape. G. A. Schindler. 2,571,491, Oct. 16.
Selective bell clapper silencer. W. M. Allen. 2,571,178, Oct. 16.
Selective oxidation of dinydroxy steroids. R. E. Jones. 2,571,889, Oct. 16.
Selective production of voices in electrical musical instruments. A. F. Knoblaugh and J. F. Jordan. 2,571,141, Oct. 16.
Self-setting plastic material consisting essentially of alpha-gypsum and an aminotriazine resin. M. C. Dailey and E. W. Duffy 2,571,343, Oct. 16.
Separation of mineral mixtures. J. O. Cleemann. 2,571,835, Oct. 16.
Separation of oil from wax. W. V. Overbaugh. 2,571,752, Oct. 16.
Separation of organic compounds. H. G. McGrath, H. J. Passino, and L. C. Rubin. 2,571,151, Oct. 16.
Servo pressure regulator valve. J. Mercier. 2,571,154, Oct. 16.
Set of game pieces. G. F. Buck. 2,571,195, Oct. 16.
Shaft for fishing rods. A. M. Howald and L. S. Meyer. 2,571,717, Oct. 16.
Shaft gland. E. Kinsella. 2,571,257, Oct. 16.
Shaft seal. G. Fast. 2,571,352, Oct. 16.
Sharpener, Pencil. E. J. Markvart. 2,571,738, Oct. 16.
Sheet metal panel straightening device. H. M. Reeves. 2,571,292, Oct. 16.
Sheet tail accelerating device for sheet feeders. J. R. Wood. 2,571,805–6, Oct. 16.
Shielding device. R. R. Marchese. 2,571,270, Oct. 16.
Shift control and servoactuating means for power transmission. C. A. Neracher and W. T. Dunn. 2,571,473, Oct. 16.
Ship maneuvering control system. N. E. Humiston. 2,571,451, Oct. 16.
Shock absorber. N. O. Myklestad. 2,571,279, Oct. 16.
Shoe sole former. W. H. Doherty. 2,571,547, Oct. 16.
Shoe with rolled throat line. J. Henkel. 2,571,446, Oct. 16.
Short-circuiting fuse construction. R. D. Nelson. 2,571,472, Oct. 16.
Shoulder pad. S. Kagan and I. Rothenberg. 2,571,890, Oct. 16.
Shutter mechanism for cameras. G. Swinnerton. 2,571,783, Oct. 16.
Shuttle threading block. A. Villani. 2,571,396, Oct. 16.
Signaling device, Railroad. R. A. Tuot. 2,571,499, Oct. 16.
Signaling system having code call, Party line selective. R. W. Jones. 2,571,250, Oct. 16.
Simultaneous two-way stretching of film, Method and apparatus for. C. E. Gardner. 2,571,355, Oct. 16.
Single side-band demodulator system. J. B. Singel. 2,571,957, Oct. 16.
Slack adjuster. M. D. O'Hern. 2,571,376, Oct. 16.
Slitting mechanism. E. W. Clem. 2,571,201, Oct. 16.
Snap hook. F. Vogel. 2,571,971, Oct. 16.
Sock, Cloth top. W. F. Connor. 2,571,543, Oct. 16.
Socket for starter units for fluorescent lamps. J. O. Howard. 2,571,881, Oct. 16.

Sorption of hydrocarbons by activated carbon. J. A. Patterson and J. P. Morgan. 2,571,936, Oct. 16.
Speed chuck. E. P. Saunders. 2,571,621, Oct. 16.
Speed control for electric motors. J. R. Jones and J. B. Reeves. 2,571,454, Oct. 16.
Speed control system. C. R. Hanna and S. J. Mikina. 2,571,869, Oct. 16.
Sphygmomanometer. C. L. Farrand. 2,571,124, Oct. 16.
Spice extract and producing. L. Sair and L. A. Hall. 2,571,948, Oct. 16.
Spice extraction and product. L. A. Hall and L. Sair. 2,571,867, Oct. 16.
Spindle, Spinning. T. H. Ljunggren. 2,571,267, Oct. 16.
Spinning filaments. R. K. Ladisch. 2,571,457, Oct. 16.
Splash guard. B. M. Lewis. 2,571,730, Oct. 16.
Splash guard for vehicles. W. A. Bots. 2,571,413, Oct. 16.
Spoon, Swivel. P. H. Legarra. 2,571,264, Oct. 16.
Sport seat. F. P. Newton and L. M. Barker. 2,571,282, Oct. 16.
Spray gun for applying granular materials. L. Hale. 2,571,874, Oct. 16.
Spring: *See*—
Toggle spring.
Spring clutch device. S. F. Gorske. 2,571,232, Oct. 16.
Spring stud fastener. T. W. Hosking. 2,571,364, Oct. 16.
Spring winding device. C. Hill and C. K. Johns. 2,571,878, Oct. 16.
Sprinkler head modification. J. J. Robbins. 2,571,763, Oct. 16.
Sprocket chain package. E. W. Newman. 2,571,748, Oct. 16.
Stabiliser for camera shutter trip mechanisms. C. C. Fuerst and D. C. Harvey. 2,571,702, Oct. 16.
Stable leuco toluidine blue O solutions, Preparation of. B. March and E. E. Moore. 2,571,593, Oct. 16.
Stalk cutter. R. D. Griff. 2,571,441, Oct. 16.
Stand: *See*—
Display stand.
Trailer tongue stand.
Starter jaw actuating device. S. Gilbert. 2,571,231, Oct. 16.
Steam cleaner. J. C. Holmes. 2,571,575, Oct. 16.
Steering operated control mechanism for electric motor drives of vehicles. C. F. Ball and J. W. Woolf. 2,571,180, Oct. 16.
Stereoscopic image reception by millimetric radiation. R. H. Rines. 2,571,612, Oct. 16.
Stereoscopic transparency holder. K. F. Kurs. 2,571,584, Oct. 16.
Sterilization of ion exchange bodies. H. C. Marks. 2,571,271, Oct. 16.
Stop control for partitioned washers. B. A. Buss. 2,571,197, Oct. 16.
Stop motion for knitting machines. C. S. Martin, L. H. Colton, and A. E. Cooke. 2,571,913, Oct. 16.
Stop motion resetting device. A. Crawford and M. Antonevich. 2,571,211, Oct. 16.
Storage battery. J. L. Rupp. 2,571,988, Oct. 16.
Storage crib. E. K. Pennington. 2,571,753, Oct. 16.
Straw gatherer and chopper. L. A. Bass. 2,571,652, Oct. 16.
Streptomycin, Production of. E. L. Dulaney. 2,571,693, Oct. 16.
Stress breaker. S. E. Noyes. 2,571,931, Oct. 16.
Strip cutter and marker. C. E. Ward. 2,571,976, Oct. 16.
Strip film advance means. M. D. Tyler and R. H. Larson. 2,571,795, Oct. 16.
Strip material. G. E. Henning. 2,571,715, Oct. 16.
Strongly lathering and purifying agents, shampoos, and the like, Preparation of. P. B. H. M. Dobbelmann and J. van Loon. 2,571,689, Oct. 16.
Submersible vent cap. T. L. Kendall. 2,571,893, Oct. 16.
Substituted amino analogs of pantothenic acid and process. K. Folkers and F. W. Holly. 2,571,852, Oct. 16.
Sulfurising terpene hydrocarbons. A. Manteuffel and W. D. Gilson. 2,571,737, Oct. 16.
Supersonic whistle for code communication. R. C. Willman. 2,571,640, Oct. 16.
Support: *See*—
Glass drawing machine bearing support.
Hose support.
Indicator support.
Projection screen support.
Telephone finger wheel support.
Support for flexible power supplying elements, Mobile. W. S. Chapin, Jr. 2,571,832, Oct. 16.
Support for hammer drills, Adjustable. J. L. Glenn. 2,571,862, Oct. 16.
Supporting structure for machines. H. C. Bradley. 2,571,672, Oct. 16.
Suspension frame bumper. H. C. Tellock. 2,571,784, Oct. 16.
Swaging machine and feeder therefor. C. E. McKinsey. 2,571,504, Oct. 16.
Swash plate pump. H. W. Trevaskis. 2,571,312, Oct. 16.
Sweep circuit. A. S. Harris. 2,571,131, Oct. 16.
Sweeping device. T. O. Adams. 2,571,647, Oct. 16.
Swing, Kiddy. V. D. Reid, Sr. 2,571,611, Oct. 16.
Switch: *See*—
Electric switch.
Fluid pressure operated switch.
Limit switch.
Temperature control switch.
Switch blade, Cantilever shiftable. E. A. Miller. 2,571,468, Oct. 16.
Switch casing, Electric. F. P. Gates. 2,571,859, Oct. 16.
Switch operating device, Electric. J. G. Coles. 2,571,837, Oct. 16.
Syringe. V. G. Bastien. 2,571,653, Oct. 16.
System for determining tube characteristics. F. M. Glass. 2,571,439, Oct. 16.
Table: *See*—
Chiropractic adjustment table.
Tabulation mechanism for telegraph printers, Vertical. E. T. Baldwin. 2,571,182, Oct. 16.
Tandem axle spring suspensions. Fred D. Bonnin. 2,571,412, Oct. 16.
Telephone finger wheel support. R. P. Arthur. 2,571,649, Oct. 16.
Telescopic sight mount. F. A. Pachmayr and R. H. Stokes. 2,571,935, Oct. 16.
Television synchronising circuit. R. W. Sanders. 2,571,168, Oct. 16.
Temperature control switch. D. I. Bohn. 2,571,822, Oct. 16.
Temperature regulating and control valve. T. S. Lindabury. 2,571,734, Oct. 16.
Temperature responsive device. G. H. Cole, R. A. Hoel, H. E. Neuendorf, and C. L. Corneaby. 2,571,422, Oct. 16.
Temperature-responsive system of the bridge circuit type. M. F. Peters. 2,571,605, Oct. 16.
Tension control for warp yarns. T. J. Willis and W. A. Smith. 2,571,510, Oct. 16.
Testing and adjusting device for internal-combustion engine ignition systems. E. A. Smith. 2,571,959, Oct. 16.
Tetrode keying system. T. A. Birkhead. 2,571,816, Oct. 16.
Thermal and auxiliary valve combination. G. E. Seldon. 2,571,625, Oct. 16.
Thermostatic overload relay. G. C. Armstrong, R. T. Bassett, and D. E. Beaver. 2,571,812, Oct. 16.
Thiophenethiols-phosphorus halide reaction products. J. W. Brooks. 2,571,333, Oct. 16.
Thiophenethiols-phosphorus halide reaction products in lubricating compositions. J. W. Brooks. 2,571,332, Oct. 16.
3-chlorothianaphthene. R. F. McCleary and J. A. Patterson. 2,571,742, Oct. 16.
Threonine and intermediates therefor, Preparation of. K. Pfister, III, C. A. Robinson, and M. Tisher. 2,571,755, Oct. 16.
Thumb and finger loop for scissors and shears, Adjustable. O. B. Bray. 2,571,675, Oct. 16.
Ticket pad. M. H. London. 2,571,268, Oct. 16.
Tie holder. O. V. Anderson. 2,571,097, Oct. 16.
Tire chain applier. R. Boettinger. 2,571,665, Oct. 16.
Tire removing machine, Axially shifting type multiple cylinder operated. J. Jones. 2,571,249, Oct. 16.
Tire tool. J. H. Schwartz. 2,571,624, Oct. 16.
Toggle driven photographic shutter. C. W. Pribus. 2,571,756, Oct. 16.
Toggle mechanism and switch incorporating same. A. R. Scholin. 2,571,623, Oct. 16.
Toggle spring. W. E. Stilwell, Jr. 2,571,170, Oct. 16.
Toilet flush valve. J. S. Judell. 2,571,367, Oct. 16.
Tone control circuit. R. J. Cowles. 2,571,112, Oct. 16.
Tool: *See*—
Chamfering tool.
Cutting tool.
Finishing tool.
Laterally rocking type tire removing hand tool.
Machine tool.
Plier type shot splitting tool.
Rivet feeding tool.
Tire tool.
Tool feeding mechanism for lens generators. J. R. Turner and G. H. Bullock. 2,571,793, Oct. 16.
Tool for inserting and removing stud bolts. R. A. Valvano. 2,571,968, Oct. 16.
Toolholder and toolholder block combination. P. Brekke. 2,571,530, Oct. 16.
Tool post. T. W. Gaillard. 2,571,559, Oct. 16.
Torpedo depth control gear. L. Jones. 2,571,722, Oct. 16.
Tourniquet. W. R. Livingston and B. W. Hancox. 2,571,461, Oct. 16.
Tow bar brake control. H. G. Yoder. 2,571,323, Oct. 16.
Toy, Self-propelled. F. A. Fasano. 2,571,554, Oct. 16.
Toy stick horse. E. Levay. 2,571,266, Oct. 16.
Toy with displaceable elements in transparent enclosure. A. A. Anthony. 2,571,405, Oct. 16.
Track ballasting. A. W. Jr., and P. E. Banton. 2,571,183, Oct. 16.
Track door structure. C. Blum. 2,571,664, Oct. 16.
Tractor tires. H. F. Morrison. 2,571,922, Oct. 16.
Trailer hitch lock. N. Eckles. 2,571,249, Oct. 16.
Trailer tongue stand. S. Strand. 2,571,390, Oct. 16.
Transformer coil spacer. R. Castenschiold. 2,571,418, Oct. 16.
Transmission device. L. Robin and M. van Roggen. 2,571,172, Oct. 16.
Transmitter, Rotary electrical. J. H. Andresen, Jr. 2,571,810, Oct. 16.
Transmitter, Signal. E. Vroom. 2,571,800, Oct. 16.
Trap: *See*—
Animal trap.
Tray delivery mechanism. V. E. Ackles. 2,571,646, Oct. 16.
Tris-phenyl ethylene compounds. R. S. Shelton and M. G. Van Campen, Jr. 2,571,954, Oct. 16.

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Trough, Stock feed. E. B. and M. M. Sanders. 2,571,490, Oct. 16.
Trouser construction. H. C. Cookman. 2,571,203, Oct. 16.
Truck bolster, Frictional car. L. E. Endsley. 2,571,225, Oct. 16.
Truck for deep freezers. E. Kolin. 2,571,456, Oct. 16.
Tube: *See*—
Color television tube. Electron discharge tube.
Tube calipers for inside measurements within cylinders, Automatic recording. F. M. Poole. 2,571,161, Oct. 16.
Tube focusing system, Cathode-ray. C. S. Szegho. 2,571,306, Oct. 16.
Tube socket structure. S. M. Del Camp. 2,571,845, Oct. 16.
Tuning aid for frequency-modulation receivers. J. C. Tellier. 2,571,309, Oct. 16.
Turbine apparatus. M. Gottlieb. 2,571,707, Oct. 16.
Turkey, Preparing boned. D. Cutrera. 2,571,544, Oct. 16.
Turret and treadle bar tuner. C. W. Blossey and M. G. Wright. 2,571,411, Oct. 16.
Twisting of textile and other yarns, threads and filaments. J. B. Foster. 2,571,854, Oct. 16.
Twisting spindle tension device. R. H. Carter and C. B. Kingsbury. 2,571,109, Oct. 16.
2,8-dihydroxydibenzothiophene. F. P. Richter and E. W. Fuller. 2,571,364, Oct. 16.
2-methylene-1,3-propylene dichloride homopolymer. G. E. Hulse. 2,571,883, Oct. 16.
2,2'-dithienyl disulfide, Preparation of. E. Koft, Jr. 2,571,370-1, Oct. 16.
Type lasting machine, Continuous. J. S. Kamborian. 2,571,140, Oct. 16.
Ultra high frequency field responsive apparatus. E. B. Nelson. 2,571,156, Oct. 16.
Umbrella, Collapsible. E. G. Von Gunten. 2,571,634, Oct. 16.
Umbrella construction. E. Diamond. 2,571,122, Oct. 16.
Universal torch machine. A. R. Hutt. 2,571,248, Oct. 16.
Valve: *See*—
Adjustable ball cock valve.
Gas timing and metering valve.
Lubricated valve.
Oil well pump valve.
Relief valve.
Servo pressure regulator valve.
Temperature regulating and control valve.
Toilet flush valve.
Valve. R. L. Gates. 2,571,356, Oct. 16.
Valve. L. W. Mueller, W. J. Bowan, and W. E. Gould. 2,571,925, Oct. 16.
Valve-controlled four-stroke cycle internal-combustion engine. A. Büchi. 2,571,535, Oct. 16.
Valve for carburetor gaskets, Air control. C. F. Christie. 2,571,536, Oct. 16.
Valve for controlling the flow of gaseous or liquid media. W. Boyd. 2,571,826, Oct. 16.
Valve for tubular spray bars, Automatic spray nozzle. C. G. Kolbach. 2,571,583, Oct. 16.
Vaporizing oil burner. W. H. Strom. 2,571,629, Oct. 16.
Variable ratio power transmission apparatus. H. F. Hobbs. 2,571,448, Oct. 16.
Variable ratio speed changer. F. K. Floyd and A. E. Custer. 2,571,851, Oct. 16.
Variable-speed drive control for spinning frames. J. S. Michie and P. B. Reeves. 2,571,920, Oct. 30.
Variable stroke slurcock. J. Václavík. 2,571,314, Oct. 16.
Vegetable trimming machine. E. W. Bridge. 2,571,531, Oct. 16.
Vehicle: *See*—
Child's vehicle.
Material hauling and dispensing vehicle.
Vending and coin change control machine, Commodity. F. D. Meredith and J. W. Hunsinger. 2,571,596, Oct. 16.
Vending machine, Coin-controlled. G. P. Booth and L. M. Smith. 2,571,668, Oct. 16.
Venetian blind cleaner. R. Love. 2,571,906, Oct. 16.
Venetian blind slat retainer. B. Walker. 2,571,317, Oct. 16.
Venetian blind tape, Plastic. T. Martin. 2,571,372, Oct. 16.
Ventilator. C. L. Ammerman. 2,571,513, Oct. 16.
Ventilator. F. M. Lambert. 2,571,585, Oct. 16.
Vertical screw aircraft. J. O. Black. 2,571,662, Oct. 16.
Vibration pickup. H. M. Kroft and M. F. Vore. 2,571,899, Oct. 16.
Vise, Jeweler's. F. E. Bersche. 2,571,189, Oct. 16.
Vitaminaceous oil containing powders and the preparation thereof. S. D. Upham and C. C. Reed. 2,571,797, Oct. 16.
Vulcanizable rubber mixes and vulcanized rubber products made therefrom. J. Augustin. 2,571,100, Oct. 16.
Wall container with removable inner receptacle, Spaced. E. K. Clark. 2,571,111, Oct. 16.
Walnut cracker. H. D. Dale. 2,571,214, Oct. 16.
Warning light apparatus. J. D. Kennelly. 2,571,895, Oct. 16.
Washer: *See*—
Glass washer.
Watch movement holder. C. D. Acrea. 2,571,176, Oct. 16.
Web-heating device. K. L. Dietrich. 2,571,425, Oct. 16.
Weighing and charging mechanism for transit mix trucks. C. D. Crosby. 2,571,113, Oct. 16.
Welding of metallic tips to metallic bases. N. A. Tucker. 2,571,313, Oct. 16.
Well device. H. C. Otis. 2,571,478, Oct. 16.
Wheel and making same, Buffing. G. A. Lyon. 2,571,146, Oct. 16.
Wheelbarrow having auxiliary supporting frame. E. J. McLeary. 2,571,595, Oct. 16.
Wide range tuning indicator. M. I. Jacob. 2,571,887, Oct. 16.
Window. W. B. Burke. 2,571,677, Oct. 16.
Window adjustment. F. C. Osten, Sr. 571,477, Oct. 16.
Window alarm. J. W. Brooks. 2,571,534, Oct. 16.
Window construction. D. G. Lewis. 2,571,731, Oct. 16.
Wing structure for aircraft, Slotted. E. A. Stalker. 2,571,804, Oct. 16.
Wire stretcher. R. L. Dodd. 2,571,347, Oct. 16.
Wire stripper, Automatic. C. T. Calabrese. 2,571,338, Oct. 16.
Wood surfacing and edging machine. V. J. Gegumis. 2,571,861, Oct. 16.
Work support for fastener forming and inserting machines. J. G. Wright, C. D. Toney, C. A. Watkins, E. Sudan, and W. A. Maxwell. 2,571,984, Oct. 16.
Worktable for presses, Movable. H. E. Folkerth, Sr. 2,571,556, Oct. 16.
Wrench: *See*—
Multiple socket wrench.
Wringer. N. L. Etten. 2,571,351, Oct. 16.
Yarn tensioning device. P. J. Burns. 2,571,678, Oct. 16.
Zinc sulfide X-ray phosphors. R. L. Longini. 2,571,905, Oct. 16.
Zigzag spring seat. R. C. Bateman and B. J. Schnitzer. 2,571,184, Oct. 16.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 16, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

D 3— 4: Des. 164,844	D 7— 7: Des. 164,847	D34— 5: Des. 164,883	D44—15: Des. 164,867	D48—16: Des. 164,871	D74—12: Des. 164,885
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U. S. GOVERNMENT PRINTING OFFICE : O—1951

Condition of Applications Under Examination at Close of Business Sept. 28, 1951

Total number of patent applications awaiting action, 108,546. Date of oldest new application, November 10, 1950; date of oldest amended application, November 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	11-10-50	11-6-50	2332
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	1-11-51	1-3-51	1286
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	2-7-51	2-8-51	1546
4. BISHOP, W. C., Mining, Quarrying, and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	12-18-50	12-6-50	1999
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering Animal Husbandry; Fences; Gates.	2-15-51	2-14-51	948
6. SURLE, H., Carbon Chemistry (part)	1-3-51	1-2-51	1907
7. GONSALVES, J. E., Optics; Photography (part)	1-30-51	1-29-51	1310
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	12-15-50	12-16-50	1956
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	12-15-50	12-15-50	1578
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-14-50	12-7-50	1254
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	12-18-50	12-21-50	1005
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-4-51	12-8-50	1152
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	12-1-50	11-24-50	1244
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	12-1-50	12-1-50	1611
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-19-51	2-13-51	1347
16. LOVEWELL, N. N., Television, Telephony	12-2-50	11-29-50	1340
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	11-30-50	11-29-50	1645
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-2-51	1-2-51	1390
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	11-20-50	11-20-50	1187
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	11-22-50	11-27 50	1521
21. MADER, R. C., Textiles	11-16-50	11-16-50	1489
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	12-1-50	11-30-50	1267
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	11-30-50	11-30-50	879
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	2-6-51	2-5-51	1752
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	12-29-50	1-2-51	1430
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	11-29-50	12-1-50	1217
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	11-10-50	11-8-50	2222
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-5-50	12-1-50	1596
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	11-30-50	12-19-50	1673
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	1-30-51	1-29-51	1586
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-1-51	1-23-51	1966
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-2-50	12-5-50	1356
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	12-15-50	1-3-51	2191
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	12-12-50	12-4-50	1280
35. BROMLEY, E. D., Dispensing; Filling and Closing Receptacles	12-6-50	12-8-50	1638
36. McFADYEN, A. D., Measuring and Testing	11-28-50	11-27-50	1319
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	1-13-51	1-9-51	1317
38. ARNOLD, D., Costing Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	1-16-51	12-14-50	1325
39. WEIL, I., Fluid-Pressure Regulators; Valves (part); Water Distribution (part)	1-2-51	1-2-51	2079
40. DRUMMOND, E. J., Receptacles (part); Packages	12-1-50	12-1-50	2720
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-20-50	11-27-50	1317

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 108,546. Date of oldest new application, November 10, 1950; date of oldest amended application, November 6, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Card, Picture and Sign Exhibiting.	11-28-50	11-29-50	2085
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-2-51	2-19-51	1018
44. HARVEY, L. P., Beds; Chairs, Seats	12-1-50	11-17-50	1548
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	11-14-50	11-8-50	1669
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	12-6-50	12-11-50	1065
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1-3-51	1-3-51	1479
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters	12-2-50	1-8-51	899
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	12-19-50	12-8-50	1628
50. LEVIN, S., Synthetic Resins	3-21-51	2-24-51	1530
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	12-5-50	12-1-50	1130
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	11-30-50	11-30-50	2473
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	12-8-50	12-13-50	1201
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-12-50	12-2-50	1715
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1-20-51	1-18-51	1098
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	1-9-51	1-9-51	1591
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	1-11-51	1-4-51	1772
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	12-15-50	12-5-50	1250
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	1-3-51	1-5-51	1340
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-15-50	11-30-50	1223
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	12-5-50	12-1-50	1540
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	12-7-50	12-12-50	1543
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	1-29-51	2-2-51	1693
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	2-24-51	2-16-51	1812
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	12-29-50	12-29-50	1608
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	12-2-50	12-1-50	1262
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	1-3-51	1-3-51	1388
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12-11-50	12-12-50	1758
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	11-25-50	11-28-50	1378
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	12-1-50	11-30-50	1667
DESIGNS: A. BREHM, G. L., Industrial Arts	6-2-51	5-25-51	644
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	5-1-51	5-1-51	1340

Total number of trade-mark applications awaiting action (including renewals and republications), 17,009. Date of oldest new application, Feb. 17, 1951; date of oldest amended application, Feb. 16, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	2-17-51	2-21-51	5386
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	3-21-51	3-6-51	3262
Renewals (All Classes)	7-20-51	8-23-51	520
Republications (All Classes)	8-8-51	8-23-51	223
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	2-23-51	2-16-51	4180
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	3-6-51	3-1-51	3429

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,754,440. (See Re. 22,266.)

1,754,441. (See Re. 22,266.)

1,754,443. (See Re. 22,266.)

1,754,444. (See Re. 22,266.)

1,830,751, 1,830,752, 1,891,221, W. V. Cornett, Pavement breaking machine; 1,891,222, same, Tool for demolition machines; 2,335,171, same, same, Portable cutting and breaking machine; 2,335,172, same, Concrete breaking machine, D. C., S. D. Calif. (Los Angeles), Doc. 9768-B, *Emsco of San Francisco* v. *Rapid Pavement Breaker Corp. et al.* Stipulated dismissal of action and counterclaim Sept. 13, 1951.

1,830,752. (See 1,830,752.) 1,891,221. (See 1,830,752.)

1,891,222. (See 1,830,752.)

1,993,416. (See Re. 22,266.)

2,169,054, J. J. Mojonnier, Liquid treating apparatus; 2,179,949, same, Liquid treating plant, filed Sept. 17, 1951, D. C. N. J. (Newark), Doc. 849/51, *Mojonnier Bros. Co., Inc.* v. *Tolan Machinery Co., Inc.*

2,179,949. (See 2,169,054.) 2,335,171. (See 1,830,751.)

2,335,172. (See 1,830,751.)

2,345,425, F. Phillips, Sod cutter, filed Sept. 10, 1951, D. C., S. D. Ind. (Indianapolis), Doc. 2784, *F. Phillips* v. *L. Haynes.* Same, filed Sept. 10, 1951, D. C., S. D. Ind. (New Albany), Doc. 457, *F. Phillips* v. *Pierce Bros.*

2,445,965. (See Re. 23,146.)

2,450,866, Morehouse & Mayfield, Poultry treatment composition, D. C., W. D. Mo. (Kansas City), Doc. 5689, *Dr. Salsbury's Laboratories* v. *I. D. Russell Co.* Judgment and injunction Sept. 12, 1951.

2,514,276, W. W. Berman, Sleeve construction, D. C., S. D. N. Y., Doc. 68/5, *William Berman Corp.* v. *Sportlite Apparel, Inc.* Notice of dismissal Sept. 12, 1951.

Re. 19,023, L. V. Aronson, Cigar lighter, filed May 7, 1951, D. C., E. D. Mo. (St. Louis), Doc. 7923—(2), *Ronson Patents Corp.* v. *Sparklets Devices, Inc.*

Re. 20,969, J. Reichel, Lyophilic biologically active substances and process of producing same, filed Sept. 11, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30869, *Laboratories, Inc., et al.*

Re. 22,266, Adam & Stieglitz, Circuit interrupting and protecting device; 1,754,440, 1,754,441, 1,754,443, 1,754,444, J. Sachs, Electric circuit controlling appliance; 1,993,416, same, Electric switch, filed Apr. 14, 1951, D. C., E. D. Mo. (St. Louis), Doc. 7877—(1), *Frank Adam Electric Co.* v. *Federal Electric Products Co.*

Re. 23,146 (of 2,445,965), H. H. Packwood, Power lawn mower with air filtering screen, D. C. Del. (Wilmington), Doc. 1307, *H. H. Packwood* v. *Briggs & Stratton Corp. et al.* Decree for plaintiff holding claims 1, 2, 3, and 4 valid and infringed Mar. 29, 1951.

Des. 151,732, W. G. Bley, Lady's stocking, filed July 30, 1951, D. C., E. D. Mo. (St. Louis), Doc. 8089—(1), *Benson Hosiery Mills, Inc., et al.* v. *Ely & Walker Dry Goods Co.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 86,467, L. B. Skinner, Citrus fruits, D. C. N. J. (Newark), Doc. 958/50, *Leigh Foods, Inc.* v. *L. W. Boyce et al.* Dismissed Sept. 10, 1951.

T. M. 88,788, Austin Reed, Ltd., Shirts, pants, etc., filed Sept. 17, 1951, D. C., S. D. N. Y., Doc. —, *Austin Reed, Ltd.* v. *Summit Mills Corp.*

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

2,398,427, E. Hediger, Electric arc heating, decided June 15, 1951, claims 1, 2, 3, 4, 5, 6, 7, 8, and 9.

2,425,774, C. D. Wilson, Polymeric dyestuff intermediates and process for obtaining the same, decided Sept. 10, 1951, claims 1, 2, 3, and 9.

2,427,091, A. C. Durdin, III, Liquid treatment tank with a solids impeller means having a normally submerged drivewheel, decided Aug. 3, 1951, claims 1 and 3.

2,436,462, R. E. Utter and D. H. Stoltenberg, Remote controlled parking windshield wiper motor, decided Aug. 27, 1951, claim 2.

2,466,227, G. W. Gilman, G. F. Laing, and T. B. Gibbs, Coil winding machine, decided June 27, 1951, claims 28 and 29.

2,489,742, J. C. Brodnax, Jr., Attachment for bottle carrying cases, decided Sept. 5, 1951, claim 1.

Vol. 651 • No. 3 Tuesday, October 16, 1951 Price $33.00 per year

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Applications for Extension of Patents

VETERANS

PUBLIC LAW 598—*81st Congress*

Applications for extension of the following patents have been examined and found to conform to the requirements of section 2 of Public Law 598—81st Congress (636 O. G. 1066).

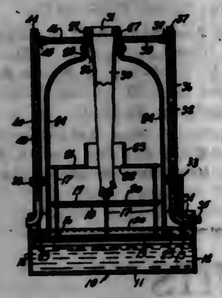
Any person who believes that he would be injured by extension of the patents cited below may, within 45 days from the date of this publication, oppose the granting of such extension "on the ground that any of the statements in the application for extension is not true in fact" (section 3 of the act).

A notice of opposition must be verified and must be filed in duplicate so that a copy may be sent to the patentee.

James A. Reyniers	2,185,711	Jan. 2, 1940
James A. Reyniers	2,219,564	Oct. 29, 1940
James A. Reyniers	2,244,082	June 3, 1941
James A. Reyniers	2,248,199	July 8, 1941

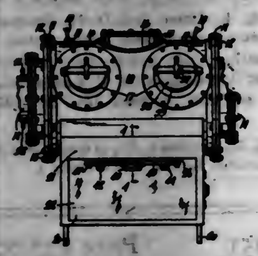
JOHN A. MARZALL,
Commissioner.

2,185,711
BIOLOGICAL APPARATUS
James A. Reyniers, South Bend, Ind. Granted Jan. 2, 1940
15 Claims. (Cl. 119—15)



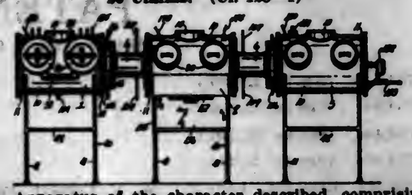
1. Biological apparatus comprising a liquid container, a false bottom in said container having a pair of openings, a bell supported by said false bottom at the margin of one opening, said bell having an opening at its upper end, a glove mounted in peripherally sealed relation at said bell opening, and a support carried by said false bottom and positioned within said bell above the liquid level in said container.

2,219,564
SURGICAL OPERATING DEVICE
James A. Reyniers, South Bend, Ind. Granted Oct. 29, 1940
15 Claims. (Cl. 128—1)



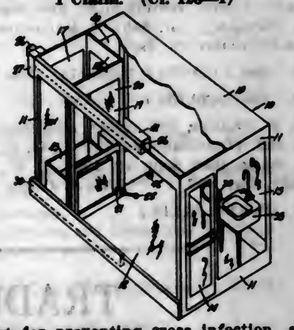
8. An operating unit comprising a working chamber having an opening, a frame secured to the chamber around said opening, a severable lap-cloth spanning the inner end of said frame, a closure pivoted to said frame, means for locking said closure in sealing relation at the outer end of said frame, and a support carried by the inner side of said closure to form an operating table.

2,244,082
APPARATUS FOR AND METHOD OF MAINTAINING AND WORKING WITH BIOLOGICAL SPECIMENS IN A GERMFREE CONTROLLED ENVIRONMENT
James A. Reyniers, South Bend, Ind. Granted June 3, 1941
20 Claims. (Cl. 128—1)



1. Apparatus of the character described, comprising a plurality of independent chambers, means interconnecting said chambers in sealed relation to form a sealed assembly, removable closure means interposed between said chambers and controlled by an operator from the exterior of said assembly, and means for sterilizing selected chambers while said assembly is sealed, said closure means being releasable to establish communication between said chambers without exposing the interior of any chamber to atmosphere.

2,248,199
METHOD AND MEANS FOR PREVENTING CROSS INFECTION
James A. Reyniers, South Bend, Ind. Granted July 8, 1941
1 Claim. (Cl. 128—1)



A cabinet for preventing cross infection, said cabinet having a chamber therein sealed against outside atmosphere, an entrance closure to said cabinet, an auxiliary compartment within the chamber of the cabinet for the reception of a patient, said auxiliary cabinet being normally sealed against atmospheric pressure in the chamber of the first mentioned cabinet, a closure for the auxiliary cabinet and within the chamber of the first mentioned cabinet, said closure being slidably mounted for movement in the plane thereof, whereby it will not create air currents between said first mentioned chamber and the chamber of the auxiliary cabinet when the closure is opened or closed, and means for circulating air through both cabinets.

Order No. 5298

Nelson Littell, whose post office address is 330 Madison Avenue, New York 17, N. Y., and whose registration number is 11,878, is hereby suspended from practice as an attorney before the United States Patent Office for a period of one year from the date hereof.

This action is taken under the provisions of section 487 Revised Statutes (U. S. C., Title 35, section 11).

THOMAS F. MURPHY,
Assistant Commissioner.

Aug. 28, 1951

Adjudicated Patents

(D. C. Md.) Anderson Patent No. 2,480,093, for method and apparatus for pumping liquid oxygen. Claims 11, 13, and 19 *Held* valid and infringed. *Air Products* v. *Boston Metals Co.*, 98 F. Supp. 719; 89 USPQ 574.

(D. C. Pa.) Walters Patent No. 2,519,301, for solid flue checker work *Held* invalid. *Laclede-Christy Co.* v. *Union Fire Brick Co.*, 98 F. Supp. 710; 90 USPQ 254.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

General Mills, Inc., has placed the following 12 patents relating to packaging machinery on the Register as available for licensing on reasonable terms. Applications for license may be addressed to: Director of Patent Section of the Legal Department, General Mills, Inc., 400 Second Ave. South, Minneapolis 1, Minn.

Pat. 1,984,049. Bag Closing and Sealing Machine. Patented Dec. 11, 1934. Reg. No. 44,932.

Pat. 2,083,067. Packaging Machine. Patented June 8, 1937. Reg. No. 44,933.

Pat. 2,083,417. Bag Closing and Sealing Machine. Patented June 8, 1937. Reg. No. 44,934.

These three patents relate to machines for closing and sealing the open tops of filled bags or cartons of various sizes. The machine of Pat. 2,083,067 is designed for high speed operation wherein all operations are automatically and successively performed upon the filled bags as they are continuously advanced without interruption through the machine. As each filled bag is in motion, it is repeatedly jarred to settle the material therein, the bag is compressed to substantially rectangular shape, the open bag top walls are folded together in flatwise relation and transversely scored, the scored end is folded transversely over and over upon itself, adhesive is applied, and the folded end is folded over flatwise into sealing engagement with the bag body. The folded end is held against the bag body to allow the adhesive to set, and the bag delivered onto a receiving table. Group 35—51—69.

Pat. 2,007,788. Mechanism for Inverting Filled Containers. Patented July 9, 1935. Mechanism for bag-closing and -sealing machines functions to invert each filled and sealed bag or carton and deposit it on its sealed end on a conveyor to prevent the freshly gummed folded top from unfolding and allow the gum to set. Group 35—51. Reg. No. 44,935.

Pat. 2,011,839. Feeding Mechanism. Patented Aug. 20, 1935. Provides mechanism for bag-closing and -sealing machines for advancing and supporting filled open-top bags so that, when pressure is exerted upon the tops of the bags by closing and sealing mechanisms, the bag bodies will not become distorted. Group 35—51. Reg. No. 44,936.

Pat. 2,042,719. Machine for Depositing Circulars Into Containers. Patented June 2, 1936. Reg. No. 44,937.

Pat. 2,332,156. Coupon Feeder. Patented Oct. 19, 1943. Reg. No. 44,938.

Pat. 2,358,131. Coupon Feeder. Patented Sept. 12, 1944. Reg. No. 44,939.

These three patents provide apparatus for withdrawing circulars or coupons from the bottom of a stack and inserting them into open containers or bags. Group 35—51.

Pat. 2,320,934. Accumulator. Patented June 1, 1943. Apparatus for transferring two irregular streams of filled and sealed cartons from two different conveyors onto a third conveyor and effecting delivery by the latter at a continuous rate to another machine, such as a waxing machine. Group 35—51. Reg. No. 44,940.

Pat. 2,340,775. Empty Carton Rejector. Patented Feb. 1, 1944. Mechanism is particularly useful for checking cartons, each of which is supposed to contain an envelope filled with certain powdered soup ingredients. A jet of air is directed against the lower end of each carton as it is moved by a conveyor past a given point. The jet is regulated so that it is just sufficient to force an empty carton from the conveyor, but is not sufficient to move a carton containing an envelope. Group 35—51. Reg. No. 44,941.

Pat. 2,356,120. Upending Device. Patented Aug. 15, 1944. Device functions to up-end filled and sealed rectangular cartons from a horisontal to a vertical position as the cartons move from one conveyor to another so that they take up less space and permit the second conveyor to be driven at a slower speed than first conveyor. Group 35—51. Reg. No. 44,942.

Pat. 2,358,125. Bag Closure and Method of Making Same. Patented Sept. 12, 1944. Provides a method of closing and sealing the open tops of filled paper bags or cartons composed of one or more thicknesses of paper, and applying a folded metal strip to the folded seal end of each bag. Group 35—51—69. Reg. No. 44,943.

Pat. 2,499,825. Electric Joint. Patented Mar. 7, 1950. Self-locking, watertight plug and socket type sheathed joint for provisional lighting and power service connections is designed to withstand rough handling and resist accidental separation. The plug is formed with radially arranged inclined resilient projections, and the socket is formed with an integral resilient sleeve having internal cavities to engage the projections. When the plug is telescoped into the sleeve and socket, the sleeve sealingly surrounds the plug with the projections in interlocking engagement with the cavities. (Owner) Josef Havlicek, Correspondence to Bedrich Lisovsky, 901 North Second Ave., Alpena, Mich. Groups 34—81; 36—11. Reg. No. 44,944.

Pat. 2,539,309. Machine for Cutting Contours. Patented Jan. 23, 1951. Machine for cutting repeats of a curvilinear contour on successive separate work blanks or blocks may be used in the manufacture of wooden heels for women's shoes. As the blanks are contoured by a floating rotary cutter of the machine and advanced beyond the cutter, they are each used as a template or pattern to guide the cutter in a repeat contouring operation on a succeeding blank. After passing the cutter, the contoured work-pieces are advanced beneath a pair of tracer wheels connected together and to the cutter. As the tracer wheels roll over the contoured faces of the work pieces, they are free to move vertically together and relatively to one another to adjust the cutter. (Owner) Leo J. Lambert, P. O. Box 71, Danvers, Mass. Group 35—59. Reg. No. 44,945.

Pat. 2,539,258. Toggle Action Engine Mechanism. Patented Jan. 23, 1951. In this internal combustion engine, pairs of interconnected pivoted elements are arranged between each piston and offset sections of the crankshaft whereby the leverage is multiplied and the power from each piston evenly applied to both sides of the crankshaft. Each piston through a pair of pivoted spreading arms drives a pair of pivotally mounted levers outwardly. The levers impart rotary motion to the crankshaft through a pair of connecting rods pivoted to the lower ends of the levers and to offset sections of the crankshaft. (Owner) Ole Lindland, 555 Gilbert St., Palo Alto, Calif. Groups 35—12—19; 38—31. Reg. No. 44,946.

Pat. 2,543,109. Fluid Pressure Actuated Cutting Tool. Patented Feb. 27, 1951. Pruning tool has a valve-controlled fluid-pressure-actuated cutting blade and may be connected to an orchard sprayer, hydraulic pump of a tractor, etc. A frame has a hook-shaped head to receive a tree limb or other member to be cut. A guideway extending through frame and head movably supports the blade. A cylinder in a longitudinal slot in frame has a slotted piston rod to receive end of blade. A bleeder valve automatically releases the pressure when blade is fully projected and the cutting operation has been completed. (Owner) Paul D. Holowka, R. D. 4, York, Pa. Groups 33—51; 35—22—43—69. Reg. No. 44,947.

Pat. 2,496,553. Valve Mechanism. Patented Feb. 7, 1950. An electro-magnetically controlled valve structure has two fluid pressure operated main valves, one of which is normally open and the other normally closed, and each controlled by a pilot valve. Each pilot valve is operated by an armature. A tubular core connecting the two main valves is surrounded by a single electro-magnetic coil for drawing the two armatures within the core to operate the pilot valves. (Owner) E. E. Littlefield, 834 North Stanley Ave., West Hollywood, Los Angeles 46, Calif. Groups 33—61—66; 35—69; 36—19. Reg. No. 44,948.

General Electric Company offers the following patents for non-exclusive licensing upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

The following ten patents relate to: A three-phase thermal relay having a casing of alternate metal and non-metal sections; a coin-controlled clock timer; a protective retractable grill for the inlet end of a gas turbine to exclude foreign particles; a supersonic testing apparatus; an accelerometer for measuring shock waves traveling through the ground as a result of large explosions; a protective electrical system of the pilot-wire direct current injection type; a laminated magnetic suspension; a non-sticking valve stem arrangement for fluid control valves of gas turbines and the like; a brush rigging and a cartridge-type brush holder tube for dynamoelectric machines wherein chattering of the brushes is prevented. Groups 33—46; 33—19; 36—13—19.

Pat. 2,534,103. Three-Phase Bimetal Thermal Relay. Patented Dec. 12, 1950. Reg. No. 44,949.

Pat. 2,534,155. Clock Timer. Patented Dec. 12, 1950. Reg. No. 44,950.

Pat. 2,534,138. Protective Device for Gas Turbines. Patented Dec. 12, 1950. Reg. No. 44,951.

Pat. 2,527,208. Supersonic Testing Apparatus. Patented Oct. 24, 1950. Reg. No. 44,952.

Pat. 2,536,502. Accelerometer. Patented Jan. 2, 1951. Reg. No. 44,953.

Pat. 2,536,809. Electric Protective System. Patented Jan. 2, 1951. Reg. No. 44,954.

Pat. 2,536,824. Laminated Magnetic Suspension. Patented Jan. 2, 1951. Reg. No. 44,955.

Pat. 2,536,814. Packing for Valve Rods. Patented Jan. 2, 1951. Reg. No. 44,956.

Pat. 2,532,827. Brush Rigging. Patented Dec. 5, 1950. Reg. No. 44,957.

Pat. 2,536,827. Brush Mechanism. Patented Jan. 2, 1951. Reg. No. 44,958.

Pat. 2,532,810. X-Ray Diffraction Apparatus for Use With Radioactive Materials. Patented Dec. 5, 1950. Apparatus for analyzing materials which are either radioactive or capable of emitting fluorescent radiations when subjected to X-rays. Group 36—92. Reg. No. 44,959.

The following four patents relate to a hysteresis and eddy current torque testing machine; a process for making ethyl silane; a control lever for washing machines; and an indicator for control knobs of the type which are fastened to a control shaft by an axial bolt recessed in the knob. Groups 28—88; 32—97; 35—81; 36—13.

Pat. 2,537,753. Magnetic Torque Meters. Patented Jan. 9, 1951. Reg. No. 44,960.

Pat. 2,537,763. The Preparation of Organosilanes. Patented Jan. 9, 1951. Reg. No. 44,961.

Pat. 2,537,782. Pointer Name Plate for Control Knobs. Patented Jan. 9, 1951. Reg. No. 44,962.

Pat. 2,537,795. Control Lever Arrangement for Clothes-Washing Machines. Patented Jan. 9, 1951. Reg. No. 44,963.

Dedicated Patents

By instruments recorded in the U. S. Patent Office, Vehicular Parking, Ltd., a Delaware corporation, having its principal office in the Commerce Exchange Building, Oklahoma City, Okla., has dedicated the following four patents to the Public.

These four patents relate to coin-controlled vehicle parking meters, and an expansion clamp assembly for connecting a parking meter to the upper end of a hollow supporting post. Group 35—65.

Pat. 2,162,191. Meter. Patented June 13, 1939.

Pat. 2,190,555. Parking Meter Expansion Clamp. Patented Feb. 13, 1940.

Pat. 2,262,783. Vehicle Parking Meter. Patented Nov. 18, 1941.

Pat. 2,328,043. Parking Meter. Patented Aug. 31, 1943.

By an instrument recorded in the U. S. Patent Office, Charles Kurz, of Philadelphia, Pa., has dedicated the following patent to the people of the United States.

Pat. 2,460,893. Method and Means for Arresting the Cracking of the Plates of Welded Ships. Patented Feb. 8, 1949. The crack-arresting construction disclosed in this patent may be applied to ships undergoing construction or to ships already completed. The deck and top sides of a ship are provided with longitudinal slots extending entirely through the plates, each slot covered with a metal strap, and each strap riveted to the plates along both sides of the slot. Group 37—31.

By an instrument recorded in the U. S. Patent Office, A. F. Willat, as trustee of Willat Patent Holding Co., San Francisco, Calif., has dedicated the three patents listed below to the public of the United States. These three patents were previously listed as available for licensing in the Registry Section of the OFFICIAL GAZETTE, July 4, 1950. In view of their dedication, they are hereby withdrawn from that category.

Pat. 2,180,380. Permanent Waving of Hair. Patented Nov. 21, 1939.

Pat. 2,183,894. Cold Permanent Waving of Hair. Patented Dec. 19, 1939.

Pat. 2,195,803. Method of Waving Hair. Patented Apr. 2, 1940.

These three patents provide various methods for the cold permanent waving of hair that may be practiced in either homes or beauty salons. Groups 28—32; 39—91.

By the same instrument, A. F. Willat also dedicated the subject matter of claims 16 and 17 of the patent listed below to the public of the United States. This patent also was previously listed as available for licensing, in the OFFICIAL GAZETTE, July 4, 1950, and, with the exception of the subject matter of dedicated claims 16 and 17, still remains in that category.

Pat. 2,331,065. Permanent Waving of Hair. Patented Oct. 5, 1943.

Dedicated claims 16 and 17 of this patent cover the combination of a plurality of curler rods for use as central core rods on which strands of hair are wound on the human head, with flexible bands carried by the rods to hold the wound strands against unwinding and retain the curlers upon the wound strands close to the unprotected scalp; and a flexible liquid-impervious cap to enclose the wound strands on the head. Groups 28—32; 39—91.

Notices

In view of the fact that General Electric X-Ray Corporation was merged into General Electric Company as of June 30, 1951, the following patents, formerly offered for licensing by General Electric X-Ray Corporation, and published in the OFFICIAL GAZETTE, have been transferred by said merger to General Electric Company. The General Electric Company is prepared to grant non-exclusive licenses under the listed patents, upon reasonable terms, to domestic manufacturers. Applications for license may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Patents listed and Abstracts published in OFFICIAL GAZETTE, Nov. 29, 1949:

Pat. 2,260,927. Getter.

Pat. 2,329,317. Method of Conditioning Anodes.

Pat. 2,329,319. Electron Flow Device.

Pat. 2,340,500. Anode Structure.

Pat. 2,350,270. Cathode Assembly Structure.

Pat. 2,364,536. Method of Processing Carbon Electrodes.

Pat. 2,418,390. Anode Structure.

Patents listed and Abstracts published in OFFICIAL GAZETTE, Nov. 28, 1950.

Pat. 2,490,246. Anode Construction.

Pat. 2,497,479. Rotating Vacuum Seal.

The following seven patents, listed by the Trumbull Electric Manufacturing Company in the OFFICIAL GAZETTE, Sept. 6, 1949, as available for licensing, are now owned by the General Electric Company. The General Electric Company is prepared to grant non-exclusive licenses under the listed patents, upon reasonable terms, to domestic manufacturers. Applications for licenses may be addressed to the Manager, Patent Department, General Electric Company, 1 River Road, Schenectady, N. Y.

Pat. 1,982,152. System for Distributing Power.

Pat. 2,088,845. Electrical Wiring Device.

Pat. 2,098,414. Electrical Contact Member for Conduits.

Pat. 2,150,963. Barrier for Bus Ducts.

Pat. 2,231,056. Electrical Conduit.

Pat. 2,334,810. Power Distribution System.

Pat. 2,361,179. Bus Duct and Switch Assembly.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 16, 1951

[VOL. 651. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 39
CLOTHING

Ser. No. 500,373. Donel Foundations, New York, N. Y. Filed Apr. 17, 1946.



The picture shown on the drawing is fanciful.

For Women's Underwear and Foundation Garments.

Claims use since Mar. 1, 1946.

Ser. No. 520,446. Harry Delman, New York, N. Y. Filed Apr. 10, 1947.



For Women's Shoes.

Claims use since June 4, 1933.

CLASS 52
DETERGENTS AND SOAPS

Ser. No. 508,872. The Suds-Up Corporation, Buffalo, N. Y. Filed Sept. 11, 1946.

Suds-Up

The word "Suds" is disclaimed.

For Detergent Cleansing Powder, Used Either Dry or in Solution.

Claims use since Aug. 31, 1945.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1
RAW OR PARTLY PREPARED MATERIALS

Ser. No. 592,508. Mobar Corporation, Mineral Point, Mo. Filed Feb. 15, 1950.



The words "Choice Missouri Barite" and the representation of the map are disclaimed.

For Ground Barytes for Oil and Gas Well Drilling.

Claims use since Sept. 15, 1946.

CLASS 4
ABRASIVES AND POLISHING MATERIALS

Ser. No. 558,764. Twin City Shellac Co. Inc., Brooklyn, N. Y. Filed June 8, 1948.

DAN-DEE

For Cleaner and Polish for Glass, Metal, and Porcelains.

Claims use since May 21, 1948.

Ser. No. 591,213. Kurt W. Zimmer, Chicago, Ill., assignor to Kleenette Mfg. Co., Chicago, Ill., a corporation of Illinois. Filed Jan. 20, 1950.

KLEENETTE

For Metal Scouring Sponge.

Claims use since Dec. 15, 1948.

Ser. No. 596,312. Universal Western Chemical Corp., Chicago, Ill. Filed Apr. 25, 1950.

SILVERAY
Polish

The word "Polish" is disclaimed.
For Cleaning and Polishing Preparation for Metal Ware.
Claims use since Mar. 1, 1950.

Ser. No. 597,881. Frank Gentleman, Dallas, Tex. Filed May 22, 1950.

TEX LIQUITE

For Polish Floor Wax.
Claims use since Mar. 1, 1950.

Ser. No. 601,422. The Brunswick-Balke-Collender Company, Chicago, Ill. Filed July 29, 1950.



Applicant claims ownership of Registration No. 528,286.
For Steel Wool Especially for Bowling Alley Use.
Claims use since Apr. 10, 1946.

Ser. No. 609,582. S. C. Johnson & Son, Inc., Racine, Wis. Filed Jan. 31, 1951.



Applicant claims ownership of Registration No. 288,148.
For Furniture Polish.
Claims use since July 24, 1924.

CLASS 5
ADHESIVES

Ser. No. 562,141. Hanson-Van Winkle-Munning Company, Matawan, N. J. Filed July 24, 1948. (Sec. 2f.)

WRAP-RAX

Applicant claims ownership of Registration No. 379,248.
For Thermo-Plastic Resin Material in Tape Form Used To Cover Plating Racks To Protect Them From the Electroplating Solutions, and a Cement Sold in Combination Therewith Adapted To Be Used To Seal Layers of Said Tape Together or To Fasten the Tape to the Racks or To Attach Patches Onto Said Tape Covering.
Claims use since Jan. 1, 1939.

Ser. No. 578,133. Chrysler Corporation, Highland Park, Mich. Filed May 3, 1949.

Cyclobond

For Reactivating Cement Including Resin Solids in a Solvent To Be Applied to the Solids of a Heat Setting Cement and Used To Secure Parts Together by Setting the Cement.
Claims use since Feb. 9, 1949.

Ser. No. 581,126. Edison Distributing Company, Inc., Detroit, Mich., assignor to Posees, Inc., Jersey City, N. J., a corporation of New Jersey. Filed June 27, 1949.

Posetape

For Liquid Adhesive Used as a Rejuvenator To Restore Adhesion to Adhesive Tapes.
Claims use since May 24, 1949.

Ser. No. 591,465. B. K. Elliott Company, Pittsburgh, Pa. Filed Jan. 26, 1950. (Sec. 2f.)

LUXOR

Applicant claims ownership of Registration No. 357,235.
For Rubber Adhesive Cement Used for Pasting Paper to Paper, Paper to Plastic, Paper to Glass, and Paper to Cardboard.
Claims use since June 30, 1932.

Ser. No. 598,342. Adhesive Tapes Limited, London, England. Filed May 31, 1950.

Sellotape

Applicant claims ownership of British Registration No. 650,523, dated Aug. 7, 1946.
For Pressure Sensitive Adhesive Tape.

Ser. No. 601,705. Armour and Company, Chicago, Ill. Filed Aug. 4, 1950.

Armoglu

For Liquid Glue.
Claims use since Apr. 25, 1950.

CLASS 6
CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 576,831. Otto Gas, Incorporated, McCook, Nebr. Filed Mar. 30, 1949.

OTTO GAS

Exclusive appropriation of the descriptive word "Gas" on the drawing is disclaimed. The trade-mark consists of the letters OTTO in a slightly convex curve above the letters GAS, the A being modified to resemble a flame. The letters are red with a dark blue border. The central opening in the letter A has a light blue background with a flame-shaped area in dark blue extending upward from the bottom center of the opening.
For Petroleum Products, To-Wit: Propane, Butane, and Similar Liquefied Petroleum Gases.
Claims use since July 1, 1948.

Ser. No. 582,693. The McAlester Fuel Company, McAlester, Okla. Filed July 29, 1949.

SAF-T-ZONE

For Anti-Freeze Preparation.
Claims use since June 10, 1947.

Ser. No. 585,749. Hercules Powder Company, Wilmington, Del. Filed Oct. 4, 1949.

METALYN

For Methyl Ester of Tall Oil.
Claims use since July 11, 1949.

Ser. No. 593,935. Polyphase Chemical Service, Inc., New York, N. Y. Filed Mar. 14, 1950.

Polyphase Chemical Service, Inc.

For Chemicals and Chemical Products for Use in Treating Water, Steam, or Brine To Prevent Scale Formation and Corrosion of Metal.
Claims use since Apr. 17, 1946.

Ser. No. 596,286. Mann Chemical Laboratories, Inc., doing business as Leo Mann & Company, Boston, Mass. Filed Apr. 25, 1950.

Wispray

For Liquid Spray Air Purifier.
Claims use since Apr. 10, 1950.

Ser. No. 597,903. H. K. Porter, Inc., Somerville, Mass. Filed May 22, 1950.

FIXX-SOL

For Solvent Used in Connection With Cold Solder.
Claims use since May 16, 1950.

Ser. No. 599,192. H. P. Rossiger & Co. Inc., New York, N. Y. Filed June 15, 1950.

ANTICARIE

For Grain Disinfectant.
Claims use since Mar. 15, 1950.

Ser. No. 605,343. American Alcolac Corporation, Baltimore, Md. Filed Oct. 24, 1950.

SIPON-L

For Lauryl Sulfate for General Use in the Industrial Art.
Claims use since May 1, 1949.

Ser. No. 606,677. S. Pfeiffer Manufacturing Company, St. Louis, Mo. Filed Nov. 20, 1950.

Insect
Foe

The word "Insect" is disclaimed.
For Insect Repellents.
Claims use since June 2, 1947.

Ser. No. 607,752. The Goodyear Tire & Rubber Company, Akron, Ohio. Filed Dec. 16, 1950.

Wing-Stays

For Antioxidants for Use in the Vulcanization of Rubber.
Claims use since Sept. 10, 1949.

Ser. No. 608,770. Sun Chemical Corporation, Long Island City, N. Y. Filed Jan. 13, 1951.

KUPRATE

For Mildew-Proofing Compositions in the Treatment of Textile Fabrics and the Like.
Claims use since Dec. 8, 1950.

Ser. No. 609,384. Thompson-Hayward Chemical Co., Kansas City, Mo. Filed Jan. 29, 1951. (Sec. 2f.)

NOX-INSEX

For Insecticide.
Claims use since Nov. 18, 1935.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 566,760. James H. Murphy, Cleveland, Ohio. Filed Oct. 9, 1948.

<MUT>

The representation of the goods is disclaimed.
For Tips for Smoking Pipes.
Claims use since Sept. 22, 1948.

Ser. No. 578,617. Österreichische Knopf- und Metallwarenfabrik J. Meister & Co., Vienna, Austria. Filed May 11, 1949.

PERPLEX

Priority under Sec. 44(d). Austrian application filed Nov. 18, 1948, Registration No. 5,108, dated Nov. 18, 1948.
For Cigarette, Cigar, and Pipe Lighters.

Ser. No. 608,948. S. S. Pierce Co., Boston, Mass. Filed Jan. 18, 1951.

Bowler

For Smoking Pipes.
Claims use since Dec. 6, 1950.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 590,352. Collord, Incorporated, Detroit, Mich. Filed Jan. 5, 1950.

Crimpgro

For Grommets.
Claims use since Oct. 25, 1949.

CLASS 15

OILS AND GREASES

Ser. No. 583,438. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Aug. 13, 1949.

MOLKOLUBE

For Molybdenum Disulphide Used as a Lubricant and as an Additive to Lubricating Oils and Lubricating Greases.
Claims use since July 18, 1949.

Ser. No. 588,245. United States Steel Corporation, New York, N. Y. Filed Nov. 23, 1949.

USS

For Wire Rope Lubricant.
Claims use since 1937.

Ser. No. 598,819. Union Oil Company of California, Los Angeles, Calif. Filed June 8, 1950.

UNITEC

Applicant claims ownership of Registration No. 396,384.
For Lubricating Oils.
Claims use since Apr. 11, 1950.

Ser. No. 600,316. The Robert T. Pollock Corporation, New York, N. Y. Filed July 13, 1950.

CETANOL

For Hydrocarbon Diesel Fuels.
Claims use since June 19, 1950.

Ser. No. 601,525. S. B. Penick & Company, New York, N. Y. Filed July 28, 1950.

S. B. PENICK & COMPANY · ASHEVILLE · NEW YORK · CHICAGO · FATHER OF MEDICINE

The mark represents the name of Sidnor Barksdale Penick, whose consent is of record. The words "S. B. Penick & Company, Asheville, New York, Chicago" and "Father of Medicine" are disclaimed.
For Waxes—Namely, Ceresin and Ozokerite.
Claims use since 1914.

Ser. No. 602,603. Consumers Oil Company, New York, N. Y. Filed Aug. 23, 1950.

CONLUBE

For Lubricating Oils.
Claims use since Mar. 15, 1933.

Ser. No. 605,086. The Atlantic Refining Company, Philadelphia, Pa. Filed Oct. 18, 1950.

ATLANTIC

Applicant claims ownership of Registrations Nos. 408,235, 410,662, 411,357, and 524,224.
For Petroleum Waxes, Lubricating Greases, Lubricating Oils, and Motor Fuels.
Claims use since Mar. 15, 1938.

Ser. No. 606,101. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f as to "Westinghouse.")

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, 111,113, 118,722, 150,168, 156,578, 284,152, 284,825, 294,092, 295,921, 297,565, 298,763, 299,083, 306,021, 317,198, 318,247, 325,267, 332,993, 336,260, 336,346, 336,403, 348,410, 349,302, 351,073, 354,878, 377,361, 378,744, 392,028, 407,395, 425,356, and 521,736.
For Lubricating Oils and Lubricating Greases.
Claims use since June 1, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 575,725. Stewart Paint Manufacturing Company, Minneapolis, Minn. Filed Mar. 19, 1949.

FLINT-TOP

For Enamel Paint and Varnish.
Claims use since July 1926.

Ser. No. 578,826. Reichhold Chemicals, Inc., Detroit, Mich. Filed May 13, 1949.

LUSTRASOL

For Styrene Base Resin Solution for Use in Paints.
Claims use since Apr. 13, 1949.

Ser. No. 578,936. Mirror Bright Polish Co., Pasadena, Calif., assignor to Mirror Bright Polish Co., Pasadena, Calif., a firm composed of Maurice W. Meguiar, Malcolm F. Meguiar, and Kenneth Meguiar. Filed May 16, 1949.

MIRROR GLAZE

The word "Glaze" is disclaimed.
For Finish Preservers and Waxes of the Type Which Apply a Protective Coating.
Claims use since June 1, 1943.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 604,554. The Upjohn Company, Kalamazoo, Mich. Filed Oct. 6, 1950.

Cer-O-Cillin

Applicant claims ownership of Registration No. 422,007.
For Medicinal Preparation for the Treatment of Bacterial Infections.
Claims use since Sept. 15, 1950.

Ser. No. 607,686. Schering Corporation, Bloomfield, N. J. Filed Dec. 14, 1950.

Acetoxy PRENOLON

The word "Acetoxy" is disclaimed. Applicant claims ownership of Registration No. 536,734.
For Drug of Steriodal Nature.
Claims use since Sept. 25, 1950.

609,108. G. Streuli & Co., Uznach, Switzerland. Filed Jan. 22, 1951.

BIOPHARMA

Applicant claims ownership of Swiss Registration No. 132,247, dated Apr. 15, 1947.
For Polyvalent Vaccine Consisting of Bacteriological Proteins for the Treatment of Rheumatism.

Ser. No. 609,376. The Panray Corp., New York, N. Y. Filed Jan. 29, 1951.

GENSALATE

For Pharmaceutical Preparation for Use as a General Analgesic, as an Anti-Hyaluronidase Agent, and Also Effective for the Relief of the Pain and Discomfort Associated With Rheumatism, Arthritis, Fibrositis, Myositis, and Lumbago, and Other Forms of the Rheumatoid State.
Claims use since Dec. 15, 1950.

Ser. No. 609,578. Universal Nutritions, Inc., New York, N. Y. Filed Feb. 2, 1951.

NEO-HEMO

For Dietary Supplement Tablets.
Claims use since Dec. 21, 1950.

Ser. No. 609,753. White Laboratories, Inc., Newark, N. J. Filed Feb. 7, 1951.

CILLATAB

For Antibiotic Preparation in the Form of Tablets, Capsules, Lozenges, and Troches.
Claims use since Jan. 31, 1951.

Ser. No. 610,039. Winthrop-Stearns Inc., New York, N. Y. Filed Feb. 13, 1951.

PRESSONEX

For Oral Vasopressor.
Claims use since Jan. 24, 1951.

Ser. No. 610,128. The G. F. Harvey Company, Saratoga Springs, N. Y. Filed Feb. 15, 1951.



For Medicinal Preparation—Namely, an Ointment Indicated for Use Wherever an Astringent, Non-Irritating and Smooth Ointment Dressing Is Required To Protect and Soften Abraded or Injured Surface Tissue, Such as Occurs in Eczema, Hemorrhoids, Ulcers, Scalds, Burns, Sunburns, and Surface Wounds or Abrasions.
Claims use since Jan. 1, 1945.

Ser. No. 610,184. Neoco Corporation, Los Angeles, Calif. Filed Feb. 16, 1951.

NEOFOL-B-12

"B-12" is disclaimed. Applicant claims ownership of Registration No. 501,588.
For Vitamin Tablets Containing Vitamins B-12 and Folic Acid.
Claims use since Jan. 18, 1951.

Ser. No. 610,193. E. R. Squibb & Sons, New York, N. Y. Filed Feb. 16, 1951.

PENDISTRIN

For Antibacterial Preparations.
Claims use since Jan. 19, 1951.

Ser. No. 610,407. S. O. Barnes & Son, Inc., Gardena, Calif. Filed Feb. 23, 1951.

STAMINAL

For Vitamin and Mineral Tablets.
Claims use since Aug. 30, 1950.

Ser. No. 610,417. Dawe's Products Company, Chicago, Ill. Filed Feb. 23, 1951.

OLIMYCIN

For Concentrated Compound Containing Vitamins and Antibiotics Used as a Feed Supplement.
Claims use since Jan. 24, 1951.

Ser. No. 610,444. Abraham G. Horowitz, doing business as Harwood Pharmacal Company, Newark, N. J. Filed Feb. 23, 1951.

SEDANERV

For Sedative Medicine.
Claims use since January 1948.

CLASS 19

VEHICLES

Ser. No. 577,221. Monark Silver King, Inc., Chicago, Ill. Filed Apr. 15, 1949.

KING OF WHEELS

The word "Wheels" is disclaimed. Applicant claims ownership of Registration No. 524,615.
For Bicycles.
Claims use since Apr. 12, 1949.

Ser. No. 597,894. Nash-Kelvinator Corporation, Detroit, Mich., and Kenosha, Wis. Filed May 22, 1950.

Airflyte

Applicant claims ownership of Registrations Nos. 432,895 and 521,125.
For Automobiles, Structural Parts Therefor.
Claims use since Oct. 21, 1948.

Ser. No. 608,584. Spencer-Safford Loadcraft, Inc., Augusta, Kans. Filed Dec. 13, 1950.

LOADCRAFT

For Large Moving Van, Oil Well Supply Type Trailers.
Claims use since Aug. 14, 1950.

Ser. No. 608,963. Thayer, Inc., Gardner, Mass. Filed Jan. 18, 1951.

JOLLY JITNEY

For Baby Carriages.
Claims use since Dec. 8, 1950.

Ser. No. 609,444. General American Transportation Corporation, Chicago, Ill. Filed Jan. 31, 1951.

GATX

For Railway Freight Cars.
Claims use since May 1, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 550,122. Coleman-Pettersen Corporation, Cleveland, Ohio. Filed Feb. 19, 1948.

STERILATOR

For Air Duct Steriliser Units Including a Base Plate, a Housing With a Starter and Ballast, Lamps and Supports Therefor as a Unit for Use in Air Ducts.
Claims use since August 1947.

Ser. No. 568,403. Jas. H. Smith & Sons Corp., Griffith, Ind. Filed Nov. 8, 1948.

Victor ArmLite

The word "Lite" is disclaimed.
For Portable Device Consisting of Arms, Lamps, and Reflectors, for Mounting on a Camera.
Claims use since 1898 as to "Victor"; and since Aug. 21, 1948 on the mark in its entirety.

Ser. No. 591,542. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Jan. 27, 1950.

AMERSEAL

For Electrical Cable.
Claims use since Nov. 4, 1942.

Ser. No. 591,543. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Jan. 27, 1950.

AMERSHEATH

For Electrical Cable.
Claims use since Oct. 31, 1942.

Ser. No. 591,544. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Jan. 27, 1950.

AMERZONE

For Electrical Cable.
Claims use since Sept. 14, 1942.

Ser. No. 591,545. The American Steel and Wire Company of New Jersey, Cleveland, Ohio. Filed Jan. 27, 1950.

AMETALLIC

For Electrical Cable.
Claims use since July 30, 1942.

Ser. No. 608,008. Kliegl Bros. Universal Electric Stage Lighting Co., Inc., New York, N. Y. Filed Dec. 22, 1950.

DYNA-BEAM

The word "Beam" is disclaimed.
For Electrically Powered Incandescent Spotlights and Parts Therefor.
Claims use since December 1947.

Ser. No. 608,757. W. W. Grainger, Inc., Chicago, Ill. Filed Jan. 13, 1951. (Sec. 2f.)

Dayton

For Electrical Fans for Circulating Air in Rooms.
Claims use since Jan. 1, 1938.

Ser. No. 611,539. Rockwell Manufacturing Company, Pittsburgh, Pa. Filed Mar. 19, 1951. (Sec. 2f as to "Rockwell.")

ROCKWELL

Applicant claims ownership of Registrations Nos. 428,477, 428,478, 428,699, and 504,717.
For Electric Motors, Switch Box Covers, and Electric Welders and Component Parts Thereof.
Claims use since Dec. 13, 1945.

Ser. No. 613,092. The Strong Electric Corporation, Toledo, Ohio. Filed Apr. 24, 1951.

TROUPERETTE

For Electric Spotlights, and Parts Thereof.
Claims use since Mar. 10, 1951.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 572,199. Phalam International Agency, S. A., Habana, Cuba. Filed Jan. 14, 1949.

PHALAM

For Playing Cards and Card Games.
Claims use since Oct. 17, 1947; and first used in commerce between Cuba and the United States on Dec. 15, 1948.

Ser. No. 592,430. Kestral Corporation, West Springfield, Mass. Filed Feb. 14, 1950.

Wata-Pony

The word "Pony" is disclaimed.
For Inflatable Toys in Simulation of Animal Figures for Beach Use, Formed of Plastic Sheeting.
Claims use since June 22, 1948.

Ser. No. 595,790. The Kitkast Co., Arlington, Va. Filed Apr. 15, 1950.

Kitkast

For Fishing Rods.
Claims use since Dec. 8, 1948.

Ser. No. 602,999. L. H. Carufel Co., Bismarck, N. Dak. Filed Aug. 31, 1950.

Junior Botanist

No claim is made to the word "Junior."
For Miniature or Toy Seed Testers.
Claims use since May 1950.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 536,076. Globe Hoist Company, Des Moines, Iowa. Filed Sept. 29, 1947.

GLOBE

Applicant claims ownership of Registrations Nos. 269,292 and 385,917.
For Stationary Hydraulic Automobile Hoist.
Claims use since Apr. 15, 1936.

Ser. No. 538,328. The Yale & Towne Manufacturing Company, New York, N. Y. Filed Oct. 18, 1947. (Sec. 2f.)

AUTOMATIC

Applicant claims ownership of Registrations Nos. 160,080 and 177,579.

For Electric and Manually Operated Load Transporting and Lifting Trucks.

Claims use since 1909.

552,795. National Pressure Cooker Company, Eau Claire, Wis. Filed Mar. 23, 1948. (Sec. 2f.)

Martin

For Outboard Motors.

Claims use since Apr. 24, 1946.

Ser. No. 552,873. The H. W. North Company, Erie, Pa. Filed Mar. 24, 1948.

NORTHOMATIC

For Automatic Mixing, Kneading, and Processing Machinery for Plastic Materials.

Claims use since Jan. 1, 1943.

Ser. No. 554,314. Process Engineers, Incorporated, Los Angeles, Calif. Filed Apr. 16, 1948.

OXIDATOR

For Sewage and Water Treatment Equipment Apparatus Comprising a Reservoir for a Body of Liquid, Influent Means for Introducing Liquid Into the Body, Air Diffusers Within the Reservoir and Control Valves Therefor, Sludge Removal Means, Aeration Well and Drive Unit, by Means of Which Apparatus Solids Are Settled Out of the Liquid by Sedimentation and During Aeration.

Claims use since Nov. 28, 1947.

Ser. No. 566,370. Vaughan Mfg. Co., Chicago, Ill., by change of name from Vaughan Novelty Mfg. Co. Filed Oct. 2, 1948. (Sec. 2f.)

"Quick and Easy"

For Can Openers.

Claims use since October 1937.

Ser. No. 568,644. Logansport Machine Co., Inc., Logansport, Ind. Filed Nov. 12, 1948. (Sec. 2f.)

SURE-FLOW

Applicant claims ownership of Registration No. 352,313.

For Centrifugal Pumps Designed for Pumping Coolants and Cutting Oils on Machine Tools; for Circulating Cooling Liquids, Water or Quenching Oil; for Deep Well Drilling or Chip Flushing Applications and for General Liquid Transfer Service.

Claims use since Oct. 8, 1935.

Ser. No. 569,919. Lawrence H. M. Vineburgh, Hartford, Conn. Filed Dec. 3, 1948.



No claim is made to the word "Soda."

For Carbonators Including a Carbonating Unit for Carbonating water for Beverage Purposes.

Claims use since Sept. 14, 1948.

Ser. No. 573,676. Penn-Standard Sole Cementing Process, Inc., Philadelphia, Pa. Filed Feb. 10, 1949. (Sec. 2f.)

HYDRO

For Hand Operated Presses for Cementing Soles to Shoes Which Have a Water-Filled Bed Having Rigid Sides and a Flexible Shoe Supporting Top Against Which the Shoe Sole is Pressed.

Claims use since January 1926.

Ser. No. 586,248. Berd L. Johnson, doing business as Circle-Y Tool Co., Freeport, Ill. Filed Oct. 13, 1949.

CIRCLE-Y

For Cylinder Bore Roughing and Finishing Tools and Parts Thereof.

Claims use since Mar. 1, 1949.

Ser. No. 586,379. Union Trading Company Ltd., Basle, Switzerland. Filed Oct. 15, 1949.

U T C

Applicant claims ownership of Swiss Registration No. 126,524, dated May 13, 1948.

For Knives, Spoons, Forks, Razors, Razor Blades, Tin Openers, Corkscrews, Axes, Hatchets, Hoes, Machetes, Spades, Shovels, Hammers, Pincers, Files, Saws, Planes, Chisels, and Drills.

Ser. No. 586,885. Societe Nouvelle de Construction de Machines Outils et d'Outillages, Paris, France. Filed Oct. 26, 1949.

CWB

Applicant claims ownership of French Registration No. 380,104, dated Sept. 4, 1947.

For Milling and Boring Machines; Milling and Boring Machines With Copying Device; Milling and Boring Machines With Vertical Boring Device; Vertical Milling Machines; Scalping, Boring and Drilling Lathes; Planers; Machines for Milling Light Metal Alloys; Machines for Milling Radiators; Power Drilling Machines and Auxiliary Heads for Same; Vertical Boring Mills and Other Machine-Tools.

Ser. No. 588,684. Food Machinery and Chemical Corporation, San Jose, Calif. Filed Dec. 2, 1949.

ROTOMIST

For Agricultural and Horticultural Spraying and Dusting Machines.

Claims use since Mar. 20, 1948.

Ser. No. 589,040. The Parkersburg Rig & Reel Company, Parkersburg, W. Va., and Houston, Tex. Filed Dec. 8, 1949.

HYDRACEPTER

For Tank-Like Separator With Necessary Regulators, Gauges, Outlets and Inlets, Designed for the Gravity Separation of Water From Gas at Natural Gas Wells.

Claims use since June 1, 1949.

Ser. No. 595,590. Borg-Warner Corporation, Chicago, Ill. Filed Apr. 12, 1950.

VELVET DRIVE

The word "Drive" is disclaimed.

For Automatic Power Transmission Mechanisms for Motor Driven Vehicles, and Parts of Said Transmissions.

Claims use since Jan. 31, 1950.

Ser. No. 597,004. Lempco Products, Inc., Bedford, Ohio. Filed May 6, 1950.

LEMPCO

Applicant claims ownership of Registrations Nos. 278,728 and 391,387.

For Water Pumps, Suitable for Vehicles; Lathes; Presses, Mechanical, Electrical and Hydraulic; Boring Machines, Cylindrical and Line; Grinders, Cylindrical and Plane, External and Internal; Lapping Machines; Drill Presses; Shafts, Drive, Pinion and Worm; Worms and Worm Gears; Degreasing Machines; Piston, Brake Drum, Connecting Rod, Clutch Plate, Crank Pin, and Reamer Grinders; Motor Block and Head Resurfacing Machines; Car and Truck Stands for Supporting the Vehicle in an Elevated Position; Mobile Cranes; Bearing Insert Boring Machines; Engine Stands; Surface Grinders; Reamers, Reamer Blades and Drives; Valve Refacers and Valve Seat Grinders; Wet Reaming and Honing Machines; Die Sets; Honing Tools Comprising a Mandrel and Honing Stones Sold as a Unit, and Mandrels for Driving Honing Equipment; Piston and Piston Pin Vises; Vehicle Axle and Drive Shafts; Flywheel and Ring Gears and Pinions; Transmission and Differential Gears; Brake Shoe Sanders and Brake Lining Riveters; and Miscellaneous Tools and Fixtures—Namely, Jigs, Arbors, Spindles, Cones, and Hand Wrenches, for Use With the Above Machines.

Claims use since June 1921.

Ser. No. 597,005. Lempco Products, Inc., Bedford, Ohio. Filed May 6, 1950.

LP

The mark is the letters "L" and "P." Applicant claims ownership of Registration No. 377,458.

For Water Pumps, Suitable for Vehicles; Lathes; Presses, Mechanical, Electrical and Hydraulic; Boring Machines, Cylindrical and Line; Grinders, Cylindrical and Plane, Internal and External; Lapping Machines; Drill Presses; Shafts, Drive, Pinion and Worm; Worms and Worm Gears; Degreasing Machines; Piston, Brake Drum, Connecting Rod, Clutch Plate, Crank Pin, and Reamer Grinders; Motor Block and Head Resurfacing Machines; Car and Truck Stands for Supporting the Vehicle in an Elevated Position; Mobile Cranes; Bearing Insert Boring Machines; Engine Stands; Surface Grinders; Reamers, Reamer Blades and Drives; Valve Refacers and Valve Seat Grinders; Wet Reaming and Honing Machines; Die Sets; Honing Tools Comprising a Mandrel and Honing Stones Sold as a Unit, and Mandrels for Driving Honing Equipment; Piston and Piston Pin Vises; Vehicle Axle and Drive Shafts; Flywheel and Ring Gears and Pinions; Transmission and Differential Gears; Brake Shoe Sanders and Brake Lining Riveters; and Miscellaneous Tools and Fixtures—Namely, Jigs, Arbors, Spindles, Cones, and Hand Wrenches, for Use With the Above Machines.

Claims use since Jan. 19, 1929.

Ser. No. 599,403. Western Tool and Stamping Co., Des Moines, Iowa. Filed June 19, 1950.



For Lawn Mowers, i. e., Hand Lawn Mowers and Power Lawn Mowers (Both Gas Motor Driven Power Lawn Mowers and Electric Motor Driven Power Lawn Mowers) and for Hand Operated Lawn Sweepers.

Claims use on hand lawn mowers and power lawn mowers (both gas motor driven power lawn mowers and electric motor driven power lawn mowers) since Nov. 1, 1946; and on hand-operated lawn sweepers since July 1, 1949.

Ser. No. 599,511. H-S Engine Company, Inc., Billings, Mont. Filed June 21, 1950.

Hydra-Unit

No claim is made to the word "Unit."

For Hydraulic Power Take-Off Unit for Use on Tractors.

Claims use since January 1946.

Ser. No. 601,916. H. D. Hudson Manufacturing Company, Chicago, Ill. Filed Aug. 8, 1950. (Sec. 2f as to "Hudson.")

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HUDSON

The drawing is lined for the color yellow. Applicant claims ownership of Registrations Nos. 198,069 and 537,995.

For Manually Operated Lawn Sprayers Used in Applying Liquid Insecticides and Liquid Fertilizers.

Claims use since Nov. 30, 1947, as shown; and since Sept. 1, 1917, on the mark "Hudson."

Ser. No. 602,484. B. F. Avery & Sons Company, Louisville, Ky, assignor to Minneapolis-Moline Company, a corporation of Minnesota. Filed Aug. 21, 1950. (Sec. 2f.)

AVERY

Applicant claims ownership of Registrations Nos. 51,813, 137,909, 141,852, and 389,785.

For Lime Broadcasters, Manure Broadcasters, Cultivators, Fertilizer Distributors, Disc and Spring Tooth Harrows, Rotary Hoes, Listers and Middle Bursters, Mowers of the Drawn Sickle Bar Type, Stalk Mulchers or Cutters, Seed Planters, Moldboard Plows of the Drawn and Mounted Types, Disc or Gang Plows of the Drawn and Semi-Mounted Types, Side Delivery Rakes or Tedders, Tractors, and Repair Parts Comprising Cultivator Shovels, Combination Moldboards and Shares, Moldboards for Moldboard Plows, Moldboard Plow Shares or Points, Mower Guards, Seed Planter Sweeps, and Scraper Blades for Cleaning Discs, Wheels, Etc.

Claims use since February 1904.

Ser. No. 603,416. Neil C. Norton, doing business under the firm name and style of Apex Mfg. Laboratories, South Pasadena, Calif. Filed Sept. 11, 1950.



The drawing is lined to represent the color yellow. The word "Electric" as in the representation of the goods is disclaimed.

For Electrically Operated Hedge Clipper and Lawn Edger.

Claims use since July 17, 1950.

Ser. No. 603,849. Kenneth O. Marion, doing business as Marion Electric Company, Detroit, Mich. Filed Sept. 21, 1950.

REEL
-O-
MATIC

The word "Reel" is disclaimed.

For Manual and Electrically Powered Industrial Wire, and Wire Cable Reeling Machines.

Claims use since May 17, 1949.

Ser. No. 605,508. H. Boker & Co., Inc., New York, N. Y. Filed Oct. 26, 1950.



Applicant claims ownership of Registration No. 231,892.

For Scissors and Shears.

Claims use since Jan. 1, 1867.

Ser. No. 605,844. Chicago Specialty Manufacturing Co., Chicago, Ill. Filed Nov. 3, 1950.



The terms "Quality," "Plumbing Specialties," "Service," and "Speedy Tools" are disclaimed.

For Tools—Namely, Basin Wrenches, Tube Cutters, Spud Wrenches, Compass Saws, Tube Flaring Tools, Faucet Reseating Sets, and Utility Pliers.

Claims use since January 1949.

Ser. No. 606,166. Oil Well Supply Company, Dallas, Tex. Filed Nov. 9, 1950. (Sec. 2f.)

WITTE

Applicant claims ownership of Registrations Nos. 190,936 and 355,490.

For Internal Combustion Engines.

Claims use since 1883.

Ser. No. 606,527. Grobet File Company of America, Inc., New York, N. Y. Filed Nov. 17, 1950.



For Rasps, Files, Rotary Files, and Countersinks.

Claims use since Jan. 1, 1949.

Ser. No. 606,648. William Boyd, Beverly Hills, Calif. Filed Nov. 20, 1950.

HOPALONG CASSIDY

The name "Hopalong Cassidy" is wholly fictitious and not the name of any known inidividual.

For Pocket Knives and Place Settings Consisting of Knife, Fork, and Spoon.

Claims use since Apr. 15, 1950.

Ser. No. 609,225. John Blue Company, Huntsville, Ala. Filed Jan. 25, 1951.

NITRO-SHOOTER

Applicant disclaims the term "Nitro."

For Agricultural Machine for Applying Liquid Fertilizer Into the Ground.

Claims use since Aug. 18, 1950.

Ser. No. 609,363. Geuder, Paeschke & Frey Co., Milwaukee, Wis. Filed Jan. 29, 1951.

GPE
SINCE 1880

No claim is made to the words "Since 1880" and "Milwaukee."

For Milk Stirrers, Shovels, and Can Crushers.

Claims use since May 15, 1949, on the complete mark; and since 1909 as to "G. P. & F."

Ser. No. 610,515. Fritz Gegauf Aktiengesellschaft, Bernina-Nähmaschinenfabrik, Steckborn, Switzerland. Filed Feb. 26, 1951.

BERNINA

Applicant claims ownership of Swiss Registration No. 121,921, dated Sept. 10, 1947.

For Household and Industrial Sewing Machines and Parts Thereof.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 588,363. G. H. Bishop Co., Chicago, Ill. Filed Nov. 26, 1949.

STARCH-O-MATIC

The word "Starch" is disclaimed.

For Starching Machines.

Claims use since Nov. 2, 1949.

Ser. No. 600,249. The American Laundry Machinery Company, Cincinnati, Ohio. Filed July 6, 1950.

Streamline

For Commercial Laundry Machinery or Apparatus—Namely, Commercial Flatwork Ironers and Parts Therefor.

Claims use since June 20, 1950.

CLASS 25

LOCKS AND SAFES

Ser. No. 611,751. Aug. Stenman Aktiebolag, Eskilstuna, Sweden. Filed Mar. 26, 1951.

ASSA

For Door Locksets Including Necessary Handles and Escutcheons.

Claims use since September 1944 in Sweden; and since February 1950 in commerce between the United States and Sweden.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 569,393. Peerless Photo Products, Inc., Shoreham, N. Y. Filed Nov. 24, 1948.

DEVOBARK

Applicant claims ownership of Registration No. 429,439.

For Sensitized Photographic Paper.

Claims use since August 1947.

Ser. No. 578,949. Anciens Etablissements Barbier-Bénard & Turenne, Paris, France. Filed May 17, 1949.

BBT
KRAUSS

The word "Krauss" is disclaimed. Applicant claims ownership of French Registration No. 386,613, dated June 15, 1948.

For Binoculars, Object Glasses, Eye-Pieces, Micrometers, Thread Counters, Magnifying Glasses, Greenough Stereoscopic Binocular Lenses, Microscopes, Mettallographic Microscopes, Projectors of Profiles, Instruments for Optical Direction and Range Finding Provided with Cross Wires and Mounted on Mechanism Enabling Angular Displacements To Be Measured, Compasses, Kinematographs, and Weighing Apparatus for Household Purposes.

Ser. No. 605,245. Mark Vlock, doing business under the name of Adapta Film Holder Co., New York, N. Y. Filed Oct. 20, 1950.

adapta

For X-Ray Film Holders.

Claims use since May 1, 1939.

Ser. No. 607,683. Reeves Instrument Corporation. New York, N. Y. Filed Dec. 14, 1950.

REAC

For Electronic Analogue Computers.

Claims use since June 28, 1947.

Ser. No. 612,802. Guild of Prescription Opticians of Philadelphia, Philadelphia, Pa. Filed Apr. 18, 1951. COLLECTIVE MARK.



For Eye-Glass Frames.

Claims use since Apr. 19, 1949.

Ser. No. 612,875. K. Stensel & Sons, New York, N. Y. Filed Apr. 19, 1951.

GLAMATONES

Applicant claims ownership of Registration No. 507,971.
For Spectacle Frames and Parts Thereof.
Claims use since Oct. 24, 1950.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 599,600. Swank, Inc., Attleboro, Mass. Filed June 22, 1950.

UNI-GRAM

Applicant claims ownership of Registration No. 372,406.
For Tie Holder Made of or Plated With Precious Metal.
Claims use since January 1937.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 599,518. Mills Industries, Incorporated, Chicago, Ill. Filed June 21, 1950.



The drawing is lined for black but without intent to limit to any particular color. Applicant claims ownership of Registration No. 508,180.
For Refrigeration Condensing Units, Ice Cream Freezers, and Ice Makers for Producing Ice in Form for Cooling Beverages or Like Uses.
Claims use since July 22, 1949.

Ser. No. 599,520. Mills Industries, Incorporated, Chicago, Ill. Filed June 21, 1950.



The drawing is lined for black but color is not claimed. Applicant claims ownership of Registration No. 508,180.
For Beverage Coolers.
Claims use since May 11, 1949.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 575,440. Sandhill Furniture Corporation, West End, N. C. Filed Mar. 14, 1949.

The Sandhill Line

The word "Line" is disclaimed.
For Furniture—Namely, Beds, Chairs, Night Stands, Dressers, Chests of Drawers, Vanities, Vanity Benches, Mirrors, and Commodes.
Claims use since 1932.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 578,856. Iron Fireman Manufacturing Company, Portland, Oreg. Filed May 11, 1949.

COAL FLOW

The word "Coal" is disclaimed. Applicant claims ownership of Registration No. 346,069.
For Automatic Stokers and Automatic Stoker Fired Furnaces.
Claims use since Jan. 10, 1936.

Ser. No. 585,482. Kent-Moore Organisation, Inc., Detroit, Mich. Filed Aug. 15, 1949. (Sec. 2f.)

KENT-MOORE

For Ducts and Connecting Hose Assembly for Withdrawing Directly to Atmosphere the Exhaust Gases From Automobiles in Service Garages.
Claims use since October 1945.

Ser. No. 606,265. Burnham Corporation, Irvington, N. Y. Filed Nov. 13, 1950.

PACEMAKER

For Heating Boilers Sold Separately, and Oil Burning Apparatus Sold as a Unit, Comprising a Boiler, a Motorized Oil Burner, Thermostat, Waterstat, Switches, and Oil Burner Safety Controls.
Claims use since Apr. 15, 1949.

CLASS 37

PAPER AND STATIONERY

Ser. No. 540,517. Butler Paper Corporations, Chicago, Ill. Filed Nov. 8, 1947. (Sec. 2f.)



The words "Brands," "Paper," and "The Best" are disclaimed. Applicant claims ownership of Registration No. 144,104.
For Writing Paper, Type-Writing Paper, Wrapping Paper, Paper for Poster and Label Work, Book-Paper, Cover Paper, Bristol Board, Lithograph-Paper, and Ledger-Paper.
Claims use since 1902.

Ser. No. 570,521. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948.

.TOWER.

Applicant claims ownership of Registration No. 438,122.
For Group A—Desk Pads and Blotters, Photograph Folders, Writing Paper, Bond Paper, Correspondence Envelopes, Writing Tablets, Note Books, Photograph Albums, Scrap Books, Diaries, Address Books, Memo Books, Indexing Cards, File Cards, Drawing Boards, Rubber Erasers, Erasure Shields, Pencil Boxes, Lead Pencils, Fountain Pens; Group B—Blotter Book.
Claims use since July 15, 1946.

Ser. No. 583,448. Shelton Manufacturing Co., Inc., Long Island City, N. Y. Filed Aug. 13, 1949.



For Corrugated Paper Board.
Claims use since July 22, 1949.

Ser. No. 583,554. Saver Company, Washington, D. C. Filed Aug. 16, 1949.



The words "Book Savers" are disclaimed.
For Book Covers.
Claims use since May 17, 1949.

Ser. No. 596,464. Yawman and Erbe Mfg. Co., Rochester, N. Y. Filed Apr. 27, 1950. (Sec. 2f.)

Rochester Brand

The word "Brand" is disclaimed.
For File Guides, Card-Index Guides of Manila and Press-Board Stock, File Folders, and File Cards.
Claims use since May 1, 1928.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 573,420. The Franciscan Fathers of the Province of Our Lady of Consolation, Inc., Louisville, Ky. Filed Feb. 7, 1949.

The Companion
of Saint Francis and Saint Anthony

For Magazine.
Claims use since Jan. 1, 1936.

Ser. No. 604,557. Editorial Dante Quinterno, Sociedad Anonima, Buenos Aires, Argentina. Original filed, act of 1946, Supplemental Register, Sept. 18, 1950; amended to application, Principal Register, Oct. 6, 1950.

PATORUZITO

The mark "Patoruzito" is fanciful.
For Weekly Publication.
Claims use since October 1945; and since Apr. 1, 1950, in commerce between the United States and Argentina.

Ser. No. 606,240. Charlotte Schuchardt, executrix under the last will and testament of Alfred Korzybski (deceased), carrying on a business under the name of International Non-Aristotelian Library Publishing Company, Lakeville, Conn. Filed Nov. 10, 1950.



For Printed Books Published at Irregular Intervals.
Claims use since 1933.

Ser. No. 607,815. Hibbard, Spencer, Bartlett and Company, Evanston, Ill. Filed Dec. 18, 1950.

toy parade

The word "Toy" is disclaimed. The drawing is lined for shading only.
For Periodical Published From Time to Time—Namely, an Annual Catalog.
Claims use since Aug. 31, 1929.

Ser. No. 608,793. J. A. Folger & Company, Kansas City, Mo. Filed Jan. 15, 1951.

WHAT'S BREWING

For Monthly Publication.
Claims use since October 1940.

Ser. No. 609,080. Eagle Stamp Company, St. Louis, Mo. Filed Jan. 22, 1951.



Applicant claims ownership of Registrations Nos. 60,255, 124,376, and others.
For Trading Stamps, Discount Stamps, Printed Tokens, and Coupons.
Claims use since Oct. 2, 1950.

Ser. No. 609,081. Eagle Stamp Company, St. Louis, Mo. Filed Jan. 22, 1951.



Applicant claims ownership of Registrations Nos. 60,255, 124,376, and others.
For Trading Stamps, Discount Stamps, Printed Tokens, and Coupons.
Claims use since Oct. 2, 1950.

CLASS 39

CLOTHING

Ser. No. 555,949. Miles Shoes Incorporated, New York, N. Y. Filed Apr. 30, 1948.

milespun

For Hosiery for Men, Women, and Children.
Claims use since Feb. 15, 1948.

Ser. No. 561,191. Holland-Nahas Import & Export Company, New York, N. Y. Filed July 12, 1948.

Van Hose

"Hose" is disclaimed.
For Ladies' Hosiery.
Claims use since June 14, 1948.

Ser. No. 570,518. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 14, 1948. (Sec. 2f.)

Vee Line

For Men's Underwear.
Claims use since July 1935.

Ser. No. 570,970. Langerman Shoe Co., Brooklyn, N. Y. Filed Dec. 22, 1948.

Littlady

For Footwear—Namely, Shoes and Boots and Leather or Other Material for Women and Children.
Claims use since Nov. 17, 1948.

Ser. No. 578,981. The A. S. Kreider Co., Lebanon, Pa. Filed May 17, 1949. (Sec. 2f.)

The KREIDER SHOE MOTHER'S FAVORITE

The word "Shoe" is disclaimed. Applicant claims ownership of Registration No. 95,769.
For Misses', Girls', Boys', and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric.
Claims use since Apr. 1, 1939.

Ser. No. 579,983. The A. S. Kreider Co., Lebanon, Pa. Filed June 4, 1949. (Sec. 2f.)

The Kreider SHOE

The word "Shoe" is disclaimed. Applicant claims ownership of Registration No. 95,769.
For Misses', Girls', Boys', Men's, Women's, and Children's Shoes of Leather, Fabric, or Part Leather and Part Fabric.
Claims use since December 1915.

Ser. No. 582,159. Harry Behr, doing business as Harry Behr Co., New York, N. Y. Filed July 19, 1949.

"Miss Average" Original

The words "Miss Average" and "Original" are disclaimed.
For Ladies' Suits, Cloaks, and Coats.
Claims use since June 10, 1949.

Ser. No. 582,195. Wall-Streeter Shoe Co., North Adams, Mass. Filed July 19, 1949.

Cushion Walk

The word "Cushion" is disclaimed.
For Men's and Boys' Shoes of Leather, and Leather and Rubber.
Claims use since July 11, 1949.

Ser. No. 582,334. Aberle, Inc., Philadelphia, Pa. Filed July 22, 1949.

TREZUR

For Women's Hosiery.
Claims use since Jan. 3, 1927.

Ser. No. 582,941. H. H. Brown Shoe Co., Inc., Worcester, Mass. Filed Aug. 4, 1949.

ALL-TRED LACER

The word "Lacer" is disclaimed.
For Men's and Boys' Shoes.
Claims use since June 8, 1949.

Ser. No. 592,195. Cooper's, Incorporated, Kenosha, Wis. Filed Feb. 9, 1950. (Sec. 2f.)

COOPERS

Applicant claims ownership of Registrations Nos. 125,795, 402,718, and others.
For Underwear for Men, Women, and Children; Hosiery; Sport Shirts; Sweaters; Swim Trunks; Sport Shorts and T-Shirts.
Claims use since December 1939 as to the mark shown; and since February 1915 as to the mark in script form.

Ser. No. 595,911. Pierce Shoe Manufacturing Company, doing business under the name Bambo Shoe Manufacturing Company, Blackshear, Ga. Filed Apr. 18, 1950.

BAMBOO SHOES

The drawing is lined for shading purposes only. The words "The Strength of an Elephant" and "Shoes" are disclaimed.
For Shoes for Infants and Children.
Claims use since Apr. 10, 1950.

Ser. No. 598,019. Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Filed May 24, 1950.

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Applicant claims ownership of Registrations Nos. 327,706, 328,762, and others.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric, for Women and Misses.
Claims use since Apr. 11, 1950.

Ser. No. 599,127. Philip Shlansky & Sons, Inc., New York, N. Y. Filed June 14, 1950.

Donnybrook

Applicant claims ownership of Registrations Nos. 333,759, 333,972, 362,098, and others.
For Ladies' and Misses' Coats, Jackets, and Skirts.
Claims use since July 12, 1932.

Ser. No. 599,979. Will Ross, Inc., Milwaukee, Wis. Filed June 29, 1950.

White Knight

Applicant claims ownership of Registration No. 307,620.
For Cotton Garments Especially Adapted for Hospital Use, and Comprising: Children's Gowns, Infants' Gowns, Patients' Gowns, Bathrobes, Visitors' Gowns, Jumper Suits, Trousers, Coats, Middies, Laboratory Coats, Interns' Coats, Nurses' Gowns, Bib Aprons, Waste Aprons, Infants' Shirts.
Claims use since Dec. 6, 1932.

Ser. No. 603,002. Sigmund Crane, New York, N. Y. Filed Aug. 31, 1950.

BLESSINGS

For Absorbent Pads for Use as Diapers.
Claims use since Aug. 28, 1950.

Ser. No. 603,068. Knit Products Corporation, Belmont, N. C. Filed Sept. 1, 1950. (Sec. 2f.)

Excel-Sheer

Applicant claims ownership of Registration No. 289,872.
For Ladies', Men's, and Children's Hosiery.
Claims use since Oct. 7, 1930.

Ser. No. 603,206. Rosedale Knitting Company, Reading, Pa. Filed Sept. 6, 1950.

CELLER D'OR

For Hosiery for Women and Girls.
Claims use since July 28, 1950.

Ser. No. 605,459. Bali Brassiere Co., Inc., New York, N. Y. Filed Oct. 27, 1950. (Sec. 2f.)

Bali

Applicant claims ownership of Registrations Nos. 340,510, 341,838, and others.
For Brassières and Bandeaux.
Claims use since March 1935.

Ser. No. 606,046. Perfect Knit Togs, Inc., New York, N. Y. Filed Nov. 7, 1950.

JET

For Infants' Creeper.
Claims use since June 15, 1950.

Ser. No. 606,853. Cordele Hosiery Mills, Incorporated, Cordele, Ga. Filed Nov. 24, 1950.

Idaclare

For Ladies' Hosiery.
Claims use since Oct. 9, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 566,119. Burlington Mills Corporation, Greensboro, N. C. Filed Sept. 30, 1948.

RIFLECLUB

Applicant claims ownership of Registration No. 393,817.
For Spun Rayon and Cotton Fabric.
Claims use since Sept. 2, 1948.

Ser. No. 576,861. Hira Gidumal, doing business as Gidumal and Sons, New York, N. Y. Filed Apr. 9, 1949.

GEEANESS

For Woolen, Silk, Nylon, Rayon, and Cotton Piece Goods.
Claims use since Mar. 22, 1949.

Ser. No. 586,123. Lanificio Ermenegildo Zegna, Trivero (Vercelli), Italy. Filed Oct. 11, 1949.

ASTRUM Zegna

The word "Zegna" is disclaimed. The drawing is lined for shading. Applicant claims ownership of Italian Registration No. 58,427, dated Jan. 19, 1939.
For Textile and Knitted Fabrics Made of Wool, Silk, Cotton, Horsehair, Jute, Hemp, Flax, and Mixtures of Such Fabrics.

Ser. No. 586,124. Lanificio Ermenegildo Zegna, Trivero (Vercelli), Italy. Filed Oct. 11, 1949.



The word "Zegna" is disclaimed. Applicant claims ownership of Italian Registration No. 58,143, dated Dec. 9, 1939.

For Textile and Knitted Fabrics Made of Wool, Silk, Cotton, Horsehair, Jute, Hemp, Flax, and Mixtures of Such Fabrics.

Ser. No. 595,999. Goodman & Theise Inc., New York, N. Y. Filed Apr. 10, 1950. (Sec. 2f as to "Stafford.")



The drawing is lined for shading. Applicant claims ownership of Registration No. 435,793.

For Fabrics in the Piece of Wool, Rayon, Silk, Cotton, and Mixtures Thereof for Use in the Manufacture of Neckties.

Claims use since Aug. 29, 1944.

Ser. No. 599,529. Jerry Rossman Corporation, New York, N. Y. Filed June 21, 1950.



The words "A Wash'n Suds Fabric" are disclaimed. Applicant claims ownership of Registration No. 416,468.

For Textile Fabrics in the Piece of Cotton, Rayon, Protein Fibers, and Mixtures Thereof.

Claims use since June 12, 1950.

Ser. No. 599,755. Hyman Feld, New York, N. Y. Filed June 26, 1950.

NORSAGA



For Woolen Piece Goods.

Claims use since Mar. 15, 1950.

Ser. No. 600,159. Windsor Fabrics, New York, N. Y. Filed July 1, 1950.

JADA-SATIN

The word "Satin" is disclaimed.

For Piece Goods of Synthetic Fibers.

Claims use since Jan. 15, 1935.

Ser. No. 603,774. Draper Brothers Company, Canton, Mass. Filed Sept. 20, 1950.

Paca-Glo

For Pile Fabrics in the Piece Made of Cotton and/or Wool and/or Synthetic Fibers.

Claims use since June 2, 1950.

Ser. No. 604,830. Artloom Carpet Co., Inc., Philadelphia, Pa. Filed Oct. 13, 1950. (Sec. 2f.)

ROUBAIX

Applicant claims ownership of Registration No. 250,363.

For Textile Carpets and Rugs.

Claims use since May 5, 1909.

Ser. No. 604,966. Goldfarb Bros., New York, N. Y. Filed Oct. 16, 1950.

POW-WOW

For Cotton Fabrics.

Claims use since Aug. 10, 1950.

Ser. No. 606,134. William Boyd, Beverly Hills, Calif. Filed Nov. 9, 1950.

Hopalong Cassidy



The name "Hopalong Cassidy" is wholly fictitious and not the name of any known individual.

For Bed Spreads, Draperies, Textile Rugs, and Bath Mats.

Claims use since May 15, 1950.

Ser. No. 607,090. Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Filed Nov. 29, 1950.

SWIRLPOINT

Applicant claims ownership of Registration No. 535,071.

For Textile, Woven, Woolen Rugs and Carpets.

Claims use since Oct. 18, 1950.

Ser. No. 607,361. United Merchants and Manufacturers, Inc., New York, N. Y. Filed Dec. 6, 1950. (Sec. 2f.)

TWILLWEAR

Applicant claims ownership of Registration No. 278,881.

For Cotton Piece Goods.

Claims use since May 1929.

Ser. No. 607,577. Chantilly Textile Corporation, New York, N. Y. Filed Dec. 12, 1950.



The representation of the person shown as a jockey is fanciful.

For Silk Piece Goods.

Claims use since Nov. 20, 1950.

Ser. No. 607,645. Shamokin Woolen Mills, Inc., New York, N. Y. Filed Dec. 13, 1950.

NORLITE

For Upholstery Fabrics Woven of Plastic Yarn.

Claims use since Dec. 11, 1950.

Ser. No. 613,284. Shulman Abrash, Inc., Paterson, N. J. Filed Apr. 28, 1951.

colorcarte

For Fabrics in the Piece, of Cotton, Rayon, and Silk, and Combinations Thereof.

Claims use since Oct. 6, 1950.

Ser. No. 613,320. Eugene T. Barwick, doing business as E. T. Barwick Mills, Chamblee, Ga. Filed Apr. 30, 1951.

Spartan

For Cotton Textile Products—Namely, Rugs and Carpeting.

Claims use since Sept. 1, 1949.

Ser. No. 613,395. Joseph Bancroft & Sons Co., Wilmington, Del. Filed May 2, 1951.

KETIED

For Fabrics of Cotton, of Rayon, and of Mixtures of Cotton and of Rayon.

Claims use since Mar. 28, 1951.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 585,105. The Dentists' Supply Company of New York, New York, N. Y. Filed Sept. 21, 1949.

VITALITY SCALE

The term "Scale" is disclaimed.

For Shade Guides for Artificial Teeth.

Claims use since November 1940.

Ser. No. 589,556. Geraldine K. Berrisford, doing business as Dee Medical Supply Company, St. Paul, Minn. Filed Dec. 19, 1949. (Sec. 2f.)

DEE

Applicant claims ownership of Registration No. 272,747.

For Therapeutic Appliances Adapted to Produce Suction, Aspiration, Irrigation, and Massage—Namely, Nasal Suction Pumps.

Claims use since Feb. 1, 1930.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 567,995. Mission Dry Corporation, Los Angeles, Calif. Filed Nov. 1, 1948.



All wording appearing on the drawing, with the exception of the word "Mission" is disclaimed. The representation of the container is also disclaimed. Applicant claims ownership of Registrations Nos. 186,453, 228,699, 288,155, 294,472, 296,449, 372,042, and 403,406.

For Maltless Non-Alcoholic Beverages Used as Soft Drinks and Bases, Concentrates, and Extracts for the Preparation of Same—Namely, Orange Punch, Fruit Sodas, Birch Beer, Ginger Ale, Root Beer, Grape Flavored Drink, Lime Rickey, Cola Drinks, and Grapefruit Flavored Drink, Sherbet Bases Used in the Preparation of Non-Alcoholic Maltless Soft Drinks; Carbonated Water; Carbonated Vitaminized Water and Fountain Bases Used in the Preparation of Non-Alcoholic Maltless Soft Drinks.

Claims use since Aug. 1, 1928.

Ser. No. 580,736. N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Filed June 18, 1949.

PRI

Applicant claims ownership of Dutch Registration No. 90,397, dated Nov. 10, 1947.

For Lemonades, Mineral and Aerated Water, Cocoa- and Cola-Flavored Maltless Soft Drinks.

Ser. No. 580,737. N. V. Vereenigde Limonadefabrieken, The Hague, Netherlands. Filed June 18, 1949.

Velimo

Applicant claims ownership of Dutch Registration No. 68,309, dated June 11, 1935.

For Non-Alcoholic Maltless Soft Drinks, and Essences and Extracts Used in Making the Same.

Ser. No. 592,192. Walter Carroll M., Atlantico, Colombia. Filed Feb. 9, 1950.

AGUA MINERAL
DE
WALTER CARROLL M.



The words "Agua Mineral de," "Laboratorio Farmaceutico de" and "Marca Registrada" are disclaimed. The portrait and the name on the drawing are those of applicant. Applicant claims ownership of Colombian, South American, Registration No. 22,664, dated Oct. 9, 1947.
For Mineral Water.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,443. Flotill Products, Incorporated, Stockton, Calif. Original filed, act of 1905, Apr. 28, 1947; amended to application under act of 1946, Principal Register, Jan. 14, 1950.

CONQUISTA

Applicant claims ownership of Registration No. 360,476.
For Canned Tomato Paste.
Claims use since August 1936.

Ser. No. 529,860. Armour and Company, doing business under the trade style Fowler Packing Company, Chicago, Ill. Filed July 29, 1947.

Mistletoe

For Ham and Bacon.
Claims use since 1911.

Ser. No. 540,139. Armour and Company, Chicago, Ill. Filed Nov. 5, 1947.

BANQUET

For Bacon.
Claims use since 1908.

Ser. No. 543,182. Highland Food Products Co., Minneapolis, Minn. Filed Dec. 3, 1947.

HI NUTRA

For Concentrated Feed Compositions in Solid Form for Mixture With Milk, Water, Grains, and Other Food Products Used for the Feeding of Calves, Cows, Pigs, and Poultry, Said Compositions Being Made From Special Milk Products, Cereal Ingredients, and Vitamins Including Thiamin.
Claims use since October 15, 1947.

Ser. No. 546,305. Hygrade Food Products Corporation, New York, N. Y. Filed Jan. 6, 1948.

WHITE LILY

Applicant claims ownership of Registrations Nos. 20,631, 40,452, 68,634, 177,138, and 177,143.
For Butter and Luncheon Meat.
Claims use since December 1891.

Ser. No. 546,601. J. Ossola Co., Inc., also known as J. Ossola Co., New York, N. Y. Filed Jan. 9, 1948.

APPETIT

For Cottonseed Oil, Corn Oil, and Peanut Oil Either Canned or Bottled and Used for Edible Purposes.
Claims use since Jan. 2, 1920.

Ser. No. 552,713. Ralston Purina Company, St. Louis, Mo. Filed Mar. 22, 1948. (Sec. 2f.)

CHOW

Applicant claims ownership of Registrations Nos. 102,843, 111,105, and 376,424.
For Animal Feeds for Rats, Mice, Dogs, Cats, Monkeys, Hamsters, Poultry, and Cattle.
Claims use since June 8, 1914.

Ser. No. 567,814. The Ubiko Milling Company, St. Bernard, Ohio. Filed Oct. 28, 1948. (Sec. 2f.)

CLOVER BLOOM

For Dairy Feed Consisting Principally of Protein, Fat, Fibre, and Nitrogen Free Extract.
Claims use since Dec. 1, 1939.

Ser. No. 581,478. His Majesty's Coffee Corporation, Oakland, Calif. Filed July 2, 1949.

His Majesty's

For Coffee.
Claims use since Mar. 1, 1949.

Ser. No. 584,040. Sheridan Flouring Mills, Inc., Sheridan, Wyo. Filed July 8, 1949.

RED CHIEF

For Hard Wheat Bakers' Flour.
Claims use since January 1917.

Ser. No. 585,679. Old Hundred, Inc., Southbury, Conn. Filed Oct. 1, 1949.

Old Hundred

For Ice Cream.
Claims use since Mar. 1, 1942.

Ser. No. 586,210. Verband Nordostschweiz Käserei- und Milchgenossenschaften, Inhaber der Weichkäserei Uster, Winterthur, Switzerland. Filed Oct. 12, 1949.



The representation of the girl is fanciful. Priority under Sec. 44(d). Swiss application filed Apr. 14, 1949, Reg. No. 130,179 dated Apr. 14, 1949. Applicant claims ownership of Swiss Registration No. 130,179 dated Apr. 14, 1949.
For Cheese.
Claims use since Apr. 14, 1949; and first used in commerce between Switzerland and the United States on July 27, 1949.

Ser. No. 588,446. Monticello Dairy, Inc., Charlottesville, Va. Filed Nov. 28, 1949.

Monticello

Monticello is the name of the residence of Thomas Jefferson and is a national historical shrine.
For Fresh Milk, Fresh Cream, Fresh Butter, Ice Cream, and Cottage Cheese.
Claims use since 1912.

Ser. No. 597,968. Jon H. Miller, doing business as Brookbound Orchards, Claverack, N. Y. Filed May 23, 1950.

APPLEGEMS



The drawing is lined for gold, red, and green.
For Fruit in Candy Form.
Claims use since Mar. 10, 1950.

Ser. No. 598,959. H. B. Reese Candy Company, Hershey, Pa. Filed June 12, 1950. (Sec. 2f.)



Applicant claims ownership of Registration No. 356,166.
For Chocolates.
Claims use since 1919.

Ser. No. 603,016. Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Filed Aug. 31, 1950.



Applicant claims ownership of Registration No. 89,680.
For Candies.
Claims use since 1890.

Ser. No. 603,420. John A. Riffle, doing business as John Riffle Hatcheries and Riffle Farm and Hatchery, Shenandoah, Iowa. Filed Sept. 11, 1950.

Susie Q

The word "Brand" and the representation of the chicken are disclaimed.
For Eviscerated or Cut-Up Dressed Poultry.
Claims use since June 12, 1950.

Ser. No. 606,416. Samuel and Jack Criden, Philadelphia, Pa. Filed Nov. 15, 1950.

TIPPIE

For Canned Dog Food.
Claims use since January 1949.

Ser. No. 608,044. Lookout Oil & Refining Company, Chattanooga, Tenn. Filed Dec. 23, 1950.

Mimi

For Salad and Cooking Oil.
Claims use since July 1937.

Ser. No. 610,587. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif. Filed Feb. 27, 1951.

Silver Sails

For Canned Tuna.
Claims use since Jan. 18, 1951.

CLASS 47

WINES

Ser. No. 607,820. Francis H. Leggett & Company, New York, N. Y. Filed Dec. 18, 1950.

Premier

Applicant claims ownership of Registrations Nos. 165,597 and 310,915.
For Cooking Wine.
Claims use since October 1931.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 599,173. Horlacher Brewing Company, Allentown, Pa. Filed June 15, 1950. (Sec. 2f as to "Horlacher.")

Horlacher

Applicant claims ownership of Registrations Nos. 362,519, 365,930, 367,228, and others.
For Beer.
Claims use since May 26, 1950.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 603,396. J. Rubenstein & Sons, Jersey City, N. J. Filed Sept. 22, 1950.

RU-SON Products

The words "Products" is disclaimed.
For Kits Including Several Items From the Following List: Venetian Blind Cords, Venetian Blind Tapes, Venetian Blind Tassels, and Venetian Blind Equalizers (Clips for Holding Venetian Blind Cords Together).
Claims use since January 1948.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 586,383. Parfums Blanchard, New York, N. Y. Filed Nov. 26, 1949.

EVENING STAR

Applicant claims ownership of Registration No. 338,182.
For Toilet Water, Cologne, Perfume, Bath Powder, Sachet, and Face Cream.
Claims use since Nov. 7, 1949.

Ser. No. 590,340. Perfumers Guild of America, Inc., New York, N. Y. Filed June 17, 1950.

PGA

The lines shown on the drawing are part of the design of the mark.
For Perfumes and Colognes.
Claims use since Feb. 11, 1949.

Ser. No. 606,714. The George W. Luff Co., Inc., Long Island City, N. Y. Filed Nov. 21, 1950.

Pretty Please

For Lipsticks.
Claims use since July 13, 1950.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 580,196. Louise Kinkade, Fremont, Nebr. Filed June 9, 1949.

RE-PRO-DUE

For Preparations for the Hair—Namely Shampoos.
Claims use since June 1, 1949.

Ser. No. 584,383. John H. Breck, Inc., Springfield, Mass. Filed Sept. 2, 1949.



The mark consists of the concentric circles and the profile which is not the picture of any living individual.
For Shampoo Preparations; Liquid Hair Cleansers; Hair Shampoos; and Liquid Soap Shampoos.
Claims use since May 17, 1949.

Ser. No. 584,490. Joseph B. Gillespie, Atlanta, Ga. Filed Sept. 6, 1949.

STERI-WASH

The word "Wash" is disclaimed.
For Detergent and Sterilizing Preparation, Especially for Use in Washing Laundry in Washing Machines.
Claims use since Aug. 2, 1949.

Ser. No. 585,363. Bendix Aviation Corporation, Detroit, Mich. Filed Sept. 27, 1949. (Sec. 2f.)

BENDIX

Applicant claims ownership of Registration No. 403,444.
For Cleaning Preparation for Automotive and Metal Parts.
Claims use since Oct. 1, 1939.

Ser. No. 586,294. Mastercraft Manufacturing & Equipment Company, Chicago, Ill. Filed Oct. 14, 1949.

REL-KIN

For All Purpose Cleaner for Quickly and Thoroughly Removing Grease and Grime From Aluminum, Marble, Stainless Steel, Rubber Tile, Porcelain Surfaces, Asphalt, Venetian Blinds, Outside and Finished Woodwork, Leatherette, Leather, Oil Cloth, and Kitchenware.
Claims use since Oct. 1, 1949.

Ser. No. 591,533. Wyandotte Chemicals Corporation, Wyandotte, Mich. Filed Jan. 26, 1950.

Duval

For Detergent Composition for Washing Glassware, Decorated- and Overglaze-Dinnerware and Ceramicware.
Claims use since Jan. 10, 1950.

Ser. No. 593,477. Edward Faulkner, doing business under the firm name of Edward Faulkner and Associates, Los Angeles, Calif. Filed Mar. 6, 1950.

RING IN

For Chemical Compound for Cleaning and Treating Chambers of Internal Combustion Engines.
Claims use since Aug. 1, 1949.

Ser. No. 597,024. Streator Canning Company, doing business under the name The Benner Co., Streator, Ill. Filed May 6, 1950.



For Wallpaper Cleaner.
Claims use since Mar. 17, 1950.

Ser. No. 600,789. Ernest C. Schiesser, doing business as E and F Sales Co., Peninsula, Ohio. Filed July 17, 1950.

Crete-Treat

The word "Treat" is disclaimed.
For Chemical Cleaner for Masonry, Concrete, Brick, Tile, and Other Hard Surfaces.
Claims use since Aug. 1, 1949.

Ser. No. 600,968. Pabst Brewing Company, Chicago, Ill. Filed July 20, 1950.

EXZYME

Applicant claims ownership of Registration No. 320,008.
For Protein Digestant Used for the Removal of Spots and Stains From Clothing and Similar Items Normally Cleaned by the Dry Cleaning Industry.
Claims use since Dec. 30, 1949.

Ser. No. 601,056. Marcelle Cosmetics, Inc., Chicago, Ill. Filed July 21, 1950.

Marcelle

Applicant claims ownership of Registrations Nos. 127,809, 320,694, and 350,888.
For Soap and Shampoo.
Claims use since Mar. 10, 1937.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 554,965. Myron E. Etienne, Beverly Hills, Calif. Filed Apr. 19, 1948.



No claim is made to the words "Recovery," "Prosperity," "Recession," and "Depression."
For Investment Counseling—Namely, Organizing the Results of Such Studies, Rendering Reports Thereof to Clients, and Advising Them With Respect to Their Investments.
Claims use since Nov. 15, 1947.

CLASS 102

INSURANCE AND FINANCIAL

Ser. No. 548,757. Pilgrim Associates, Inc., New York, N. Y. Filed Feb. 4, 1948.



The words "Be Protected" are disclaimed.
For Insurance Brokerage—Namely, Casualty, Accident, and Health Insurance.
Claims use since Apr. 2, 1945.

Ser. No. 564,997. Pacific Mutual Life Insurance Company, Los Angeles, Calif. Filed Aug. 30, 1948. (Sec. 2f.)

NEW and UNUSUAL SAVINGS PLAN

For Underwriting of Life Insurance, Retirement Income, and Accident Health Insurance.
Claims use since January 1942.

Ser. No. 569,053. The Co-Operative League of the United States of America Association, Inc., New York, N. Y., and Chicago, Ill. Filed Nov. 19, 1948. CERTIFICATION MARK.



The word "Insurance" is disclaimed. Applicant claims ownership of Registration No. 163,710.
For Underwriting of Insurance—Namely, Life Insurance, Automobile Insurance, Casualty Insurance, and Fire Insurance.
Claims use since May 1946.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 527,550. S. H. Camp & Company, Jackson, Mich. Filed July 5, 1947.



The words "Authorized Service" are disclaimed. Applicant claims ownership of Registration No. 173,576.
For Repair and Adjustment Service on Anatomical Supports.
Claims use since May 1, 1939.

Ser. No. 576,023. Strauss Decorating and Exposition Company, Inc., New York, N. Y. Filed Mar. 24, 1949. (Sec. 2f as to "Strauss.")



For Arranging, Planning, and Constructing Commercial Displays, Decorations, and Exhibits.
Claims use since Jan. 16, 1948, as shown; and since 1928 as to "Strauss."

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 548,790. Continental Bus System, Inc., Dallas, Tex. Filed Feb. 5, 1948.



The words "Bus System" are disclaimed.
For Transportation of Passengers, Baggage, Express, Mail, and Newspaper Publications by Motor Bus.
Claims use since Nov. 15, 1945.

Ser. No. 589,379. Compagnie Generale Transatlantique, Paris, France, and New York, N. Y. Filed Dec. 15, 1949. (Sec. 2f.)

French Line

The word "Line" is disclaimed.
For Transportation of Passengers and Freight by Surface Ships.
Claims use since 1861; and first used in services rendered in commerce between foreign nations and the United States since 1864.

Ser. No. 606,561. Modern Transfer Company, Inc., Allentown, Pa. Filed Nov. 17, 1950.



The representation of the motor trucks is disclaimed apart from the mark as shown.
For Transportation of Property by Motor Vehicle.
Claims use since 1940.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 537,820. Perfect Circle Corporation, Hagerstown, Ind. Filed Oct. 14, 1947.



All wording except "Perfect Circle" is disclaimed. Applicant claims ownership of Registrations Nos. 171,675, 315,621, 317,614, and others.
For Instructing Mechanics and Repair Men in Methods of Overhauling and Repairing, Internal Combustion Engines, Particularly to Obtain Proper Operation of the Pistons Within the Cylinders Thereof, and in the Selection and Installation of Parts for Said Engines.
Claims use since July 1941.

Ser. No. 537,821. Perfect Circle Corporation, Hagerstown, Ind. Filed Oct. 14, 1947. (Sec. 2f.)

DOCTOR OF MOTORS

For Instructing Mechanics and Repairmen in Methods of Overhauling and Repairing Internal Combustion Engines, Particularly To Obtain Proper Operation of the Pistons Within the Cylinders Thereof, and in the Selection and Installation of Parts for Said Engines and Accessories Therefor.
Claims use since July 1941.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,580. Fresh Vegetables—Namely, Celery, Cauliflower, Broccoli, Cabbage, Carrots, Tomatoes, Chicory, Beets, Turnips, Onions, Cucumbers, Egg Plant, Lettuce. A. M. Seckbach & Company, Los Angeles, Calif.
Filed Apr. 26, 1947, Serial No. 521,410. Published Dec. 14, 1948. Class 46.

444,581. Insecticides, Insect and Stock Sprays. Tykor Products, Inc., New York, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey.
Filed Oct. 30, 1946, Serial No. 511,771. Published Jan. 21, 1947. Class 6.

444,582. Toilet Soap. Middlebrooke Lancaster, Inc., New York, N. Y.
Filed Mar. 19, 1947, Serial No. 519,284. Published July 17, 1951. Class 52.

ACT OF 1946, PRINCIPAL REGISTER

549,358. Burlap Bags, Cotton Bags, and Paper Bags. Max Katz Bag Company, Inc., Indianapolis, Ind.
Original filed, act of 1905, Apr. 19, 1946; amended to application under act of 1946, Principal Register, Oct. 20, 1950, Serial No. 500,544. Published July 24, 1951. Class 2.

549,359. Candy. E. J. Brach & Sons, Chicago, Ill.
Original filed, act of 1905, Dec. 6, 1946; amended to application under act of 1946, Principal Register, Oct. 5, 1950, Serial No. 513,802. Published July 24, 1951. Class 46.

549,360. Towel Dispensing Cabinets Sold Empty Designed To Be Affixed to a Wall Surface. Crown Zellerbach Corporation, also doing business as National Paper Products Sales Company, San Francisco, Calif.
Filed July 5, 1947, Serial No. 527,188. Published July 24, 1951. Class 13.

549,361. Synthetic Detergent for Glass, Chrome, Automobile Bodies, Woodwork, Painted and Highly Lacquered Surfaces. Fischer Industries, Inc., Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 527,424. Published Jan. 27, 1948. Class 52.

549,362. Butter. Armour and Company, doing business as Columbus Packing Company, Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 531,978. Published June 19, 1951. Class 46.

549,363. Porcelain Enamel Coated Base Metal Cooking, Kitchen, and Household Ware — Namely, Pudding Pans, Etc. The Canton Stamping & Enameling Company, Canton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,535. Published July 24, 1951. Class 13.

549,364. Cosmetics—Namely, Face and Hand Lotions, Lipstick, Mascara or Eye Shadow, Cream or Paste Rouge, Foundation Creams, Nail Polish, Face Powder, Talcum Powder, and Cold Cream. Adèle Dulèn, Inc., Queens, N. Y.
Filed Sept. 8, 1947, Serial No. 533,718. Published June 26, 1951. Class 51.

549,365. All Types of Finished Metal Stampings Produced by Cold High Pressure Machining. Bowen Products Corporation, Ecorse, Mich.
Filed Sept. 11, 1947, Serial No. 534,083. Published July 17, 1951. Class 14.

549,366. Iron Bender Tool for Bending Bars, Angle Bars, Tubes, and the Like, and a Direct Motor Drive Rock Drill. Hossfeld Manufacturing Co., Winona, Minn., assignee of Merchants National Bank of Winona, administrator of the estate of Albert Hossfeld, deceased.
Filed Sept. 24, 1947, Serial No. 535,582. Published July 17, 1951. Class 23.

549,367. Scratch Feed for Poultry. New England Grain Products Co., Portland, Maine.
Filed Oct. 9, 1947, Serial No. 537,345. Published June 12, 1951. Class 46.

549,368. Fresh Citrus Fruits. Sequoia Citrus Association, Lemon Cove, Calif.
Filed Oct. 13, 1947, Serial No. 537,743. Published May 22, 1951. Class 46.

549,369. Hydraulic Torque Oils. The Pure Oil Company, Chicago, Ill.
Filed Nov. 13, 1947, Serial No. 541,025. Published July 3, 1951. Class 15.

549,370. Candy. Peerless Confection Company, Chicago, Ill.
Filed Nov. 24, 1947, Serial No. 542,159. Published June 5, 1951. Class 46.

549,371. Candy. Peerless Confection Company, Chicago, Ill.
Filed Nov. 24, 1947, Serial No. 542,160. Published June 5, 1951. Class 46.

549,372. Raisins, Dried Zante Currants, and Dried Black Grapes. Pacific Raisin Company, Inc., Fowler, Calif.
Filed Dec. 1, 1947, Serial No. 542,873. Published June 5, 1951. Class 46.

549,373. Lard. Armour and Company, Chicago, Ill.
Filed Dec. 5, 1947, Serial No. 543,393. Published May 22, 1951. Class 46.

549,374. Key and Gang Punches; Manually or Power Operated Numbering, Slotting, Punching Machines; Trimmers; Dies; Master Plates for Punching or Slotting Machines; Combination Slotting, Punching, and Numbering Machines. The McBee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 543,632. Published June 19, 1951. Class 23.

549,375. Salad Oil of Vegetable Origin. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Dec. 10, 1947, Serial No. 543,986. Published July 10, 1951. Class 46.

549,376. Product Comprising Malt, Cocoa, and Other Ingredients, To Be Used in Preparing Food Beverages, Confectionery, and Other Food Products. R. B. Davis Company, Hoboken, N. J.
Filed Dec. 11, 1947, Serial No. 544,062. Published June 12, 1951. Class 46.

549,377. Scissors and Shears of General Household Utility. The Clayton Manufacturing Company, Bristol, Conn.
Filed Dec. 18, 1947, Serial No. 544,703. Published July 3, 1951. Class 23.

549,378. Scissors and Shears of General Household Utility. The Clayton Manufacturing Company, Bristol, Conn.
Filed Dec. 18, 1947, Serial No. 544,704. Published July 3, 1951. Class 23.

549,379. Mounting Hardware for Doors and Windows—Namely, Door Stops, Etc. Edouard Dubied & Cie, Societe Anonyme, Couvet, Neuchatel, Switzerland.
Filed Dec. 20, 1947, Serial No. 544,985. Published July 31, 1951. Class 13.

549,380. Fresh Eggs. The Fisher Brothers Company, Cleveland, Ohio.
Filed Jan. 2, 1948, Serial No. 545,976. Published June 5, 1951. Class 46.

549,381. Coffee. Atwood Coffee Company, doing business as Atwood Coffee Co., Minneapolis, Minn.
Filed Jan. 5, 1948, Serial No. 546,167. Published Jan. 16, 1951. Class 46.

549,382. Internal-Combustion-Engine-Powered Outboard Motors and Parts. Outboard, Marine and Manufacturing Company, Waukegan, Ill.
Filed Jan. 7, 1948, Serial No. 546,423. Published July 17, 1951. Class 23.

549,383. Hobbing Machines. The Cleveland Hobbing Machine Company, Euclid, Ohio.
Filed Jan. 30, 1948, Serial No. 548,330. Published July 10, 1951. Class 23.

549,384. Hair Rinses and Dyes. George J. Roggenbuck, doing business as G. Roggie Lab., Long Beach, Calif.
Filed Feb. 2, 1948, Serial No. 548,611. Published July 3, 1951. Class 51.

549,385. Perfumes. Lee Mortimer, Inc., New York, N. Y., assignor by mesne assignments to Millot, Inc., New York, N. Y., a corporation of New York.
Filed Feb. 12, 1948, Serial No. 549,565. Published June 26, 1951. Class 51.

549,386. Closet Accessories—Namely, Garment Bags, Hat Boxes, Shoe Boxes, Hampers, Waste Baskets. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 12, 1948, Serial No. 549,581. Published July 24, 1951. Class 2.

549,387. Baking Powder Sold to Commercial Bakeries and Bakers for Use in Connection With the Production of Bakery Products. Monarch Chemical Company, New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,057. Published Jan. 2, 1951. Class 46.

549,388. Mining Machines—Namely, Jacks, Etc. Sunnyhill Coal Company, Dormont, Pa.
Filed Feb. 27, 1948, Serial No. 550,754. Published June 19, 1951. Class 23.

549,389. Wheat Flour. The Colorado Milling & Elevator Co., doing business under the style name of The Eagle Flour Mills Co., Denver, Colo.
Filed Mar. 5, 1948, Serial No. 551,234. Published May 29, 1951. Class 46.

549,390. Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Grapes, Fresh Melons, and Fresh Vegetables. Western Fruit Growers, Inc., Los Angeles, Calif.
Filed Mar. 5, 1948, Serial No. 551,350. Published July 31, 1951. Class 46.

549,391. Portable Manually Operated Laminating Press for Making Laminated Novelty Jewelry, Coasters, Picture Mountings, Etc. Anstone Manufacturing Company, Los Angeles, Calif.
Filed Mar. 12, 1948, Serial No. 551,751. Published Aug. 29, 1950. Class 23.

549,392. Pine Oils, Turpentines, Dipentenes, Camphenes, and Pinenes. The White Sea & Baltic Company P. & I. Danischewsky Ltd., London, England.
Filed Mar. 12, 1948, Serial No. 551,836. Published July 3, 1951. Class 6.

549,393. Hydraulic Tube Fittings for Machine Tools. Flodar Corporation, Cleveland, Ohio.
Filed Apr. 2, 1948, Serial No. 553,688. Published July 24, 1951. Class 13.

549,394. Hydraulic Tube Fittings for Machine Tools. Flodar Corporation, Cleveland, Ohio.
Filed Apr. 2, 1948, Serial No. 553,689. Published July 24, 1951. Class 13.

549,395. Insecticides. Continental Merchandise Corporation, Chicago, Ill., assignor to M. H. Jacobs, Inc., Chicago, Ill., a corporation of Illinois.
Filed May 12, 1948, Serial No. 554,285. Published July 3, 1951. Class 6.

549,396. Canned Fruits and Vegetables, Canned Salmon, Packaged Ripe Olives, Spanish Olives, Stuffed Olives, Sweet Pickles, Sour Pickles, and Dill Pickles. Libby, McNeill & Libby, Chicago, Ill.
Filed Apr. 12, 1948, Serial No. 554,385. Published May 29, 1951. Class 46.

549,397. Synthetic Resins and Plastics in the Form of Solids, Solutions, Emulsions, Sheets, Tubes, Rods and Molding Powders for General Use in the Industrial Arts. Monsanto Chemical Company, St. Louis, Mo.
Filed Apr. 17, 1948, Serial No. 554,913. Published July 3, 1951. Class 6.

549,398. Preparation Used as a Skin Bleach for Clearing the Complexion and for Whitening Sallow or Dark Skin. Galenol Company, Atlanta, Ga.
Filed Apr. 21, 1948, Serial No. 555,170. Published July 3, 1951. Class 51.

549,399. Metallic Doors, Metallic Interior and Exterior Building Trim, Hollow Metal Elevator Entrances, Metallic Mouldings and Windows in Metallic Partitions on Inside Walls. Dahlstrom Metallic Door Company, Jamestown, N. Y.
Filed Apr. 30, 1948, Serial No. 555,926. Published July 3, 1951. Class 12.

549,400. Collapsible Upright Support for Supporting Mirrors, Lamps, Reflectors, and Similar Articles. Magic-View Co., Denver, Colo.
Filed May 4, 1948, Serial No. 556,210. Published July 17, 1951. Class 13.

549,401. Wood Flour, Soya Bean Flour, and Silica Sols. Monsanto Chemical Company, St. Louis, Mo.
Filed May 12, 1948, Serial No. 556,903. Published July 17, 1951. Class 1.

549,402. Canned Dog Food, the Chief Ingredients of Which Are Meat and Bone Meal, Soya Bean Oil Meal, Cracked Corn and Wheat, Fresh Carrots, Salt, Charcoal, Tallow, Garlic Powder, and Cod Liver Oil; Canned Tomato Puree; Tomato Catsup; Canned Hominy, Kraut, Beans and Corn. Goodale & Co., Centralia, Ill., and distributing certain of its products under the name Even-Trade Dist. Co.
Filed May 15, 1948, Serial No. 557,127. Published July 17, 1951. Class 46.

549,403. Pharmaceutical Preparations—Namely, Hormones, Etc. Parke, Davis & Company, Detroit, Mich.
Filed May 17, 1948, Serial No. 557,206. Published July 3, 1951. Class 18.

549,404. Potatoes in Their Natural State. A. A. Corte & Sons, Loxley, Ala.
Filed June 5, 1948, Serial No. 558,553. Published July 24, 1951. Class 46.

549,405. Clays, Coal, Absorbent and Adsorbent Decolorizing Earths, Etc. Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France.
Filed June 10, 1948, Serial No. 558,946. Published July 3, 1951. Class 1.

549,406. Clays, Coal, Absorbent and Adsorbent Decolorizing Earths, Rubber in Bulk Sold for Use in the Manufacture of a Wide Variety of Rubber or Rubber Containing Articles of Commerce, All for General Use in the Industrial Arts. Société Anonyme des Terres Décolorantes Françaises Franterre, Paris, France.
Filed June 10, 1948, Serial No. 558,948. Published July 17, 1951. Class 1.

549,407. Alteratives, Antacid Preparations, Antiseptics, Aspirin Tablets, Etc. The De Pree Company, Holland, Mich.
Filed June 30, 1948, Serial No. 560,452. Published July 17, 1951. Class 4.

549,408. Fluid Mixing Valves, Air Mixing Valves, Pressure Regulators and Reducing Valves, Self-Cleaning Fluid Strainers, Steam Traps for Steam Pressure Uses; and Pressure Equalizing Valves. The Powers Regulator Company, Chicago, Ill.
Filed July 23, 1948, Serial No. 562,084. Published July 10, 1951. Class 13.

549,409. Tack Rags—Namely, Pieces of Gauze or the Like Impregnated With a Permanently Tacky Varnish-Like Composition for Picking Up and Retaining Dust and Dirt. Harding Manufacturing Co. Inc., Detroit, Mich.
Filed July 29, 1948, Serial No. 562,469. Published July 17, 1951. Class 52.

549,410. Cleaning Fluid for Duplicating Machine Stencils, Cleaner for Typewriter Type, and Cleansing Cream for Removing Duplicator Ink From the Hands. Milo Harding Company, Los Angeles, Calif.
Filed Aug. 2, 1948, Serial No. 562,654. Published July 17, 1951. Class 52.

549,411. Electrolytic Floc Producer Used To Clarify Water. Alhydro, Inc., Baltimore, Md.
Filed Aug. 4, 1948, Serial No. 562,743. Published July 3, 1951. Class 21.

549,412. Merchandise Envelopes Made Principally From Transparent Sheet Materials, Paper, or Combinations Thereof. Alexander Herz Co., Inc., New York, N. Y.
Filed Aug. 6, 1948, Serial No. 562,898. Published July 24, 1951. Class 2.

549,413. Candies and Biscuits. Clarnico Limited, London, England.
Filed Aug. 7, 1948, Serial No. 562,986. Published June 12, 1951. Class 46.

549,414. Candies, Preserved and Crystallized Fruits, and Biscuits. Clarnico Limited, London, England.
Filed Aug. 7, 1948, Serial No. 562,987. Published June 12, 1951. Class 46.

549,415. Wheat Flour. The Quaker Oats Company, Chicago, Ill.
Filed Sept. 3, 1948, Serial No. 564,652. Published June 12, 1951. Class 46.

549,416. Preparation for Making Custards. Flan Company, Cleveland, Ohio.
Filed Sept. 14, 1948, Serial No. 565,152. Published Mar. 14, 1950. Class 46.

549,417. Paper Towel Holders Comprising a Casing Mountable on a Surface and From Which a Roll of Paper Towels May Be Progressively Withdrawn Manually, Etc. Fred H. Lewis, doing business as Fred H. Lewis Company, Wilmette, Ill.
Filed Sept. 15, 1948, Serial No. 565,191. Published July 24, 1951. Class 13.

549,418. Paper and Plastic Bags and Plastic Bottles and Jars. Rile-Coe Filter Process, Inc., Pinehurst, N. C.
Filed Sept. 17, 1948, Serial No. 565,375. Published July 24, 1951. Class 2.

549,419. Machines for the Production of Paint and Ink, Etc. J. M. Lehmann Company, Inc., Lyndhurst, N. J.
Filed Sept. 18, 1948, Serial No. 565,436. Published July 3, 1951. Class 23.

549,420. Malt Syrup, Dried Mushrooms, Canned Mushrooms, Etc. Sokol & Company, doing business as Solo Products Company, Chicago, Ill.
Filed Aug. 20, 1948, Serial No. 565,527. Published June 26, 1951. Class 46.

549,421. Ice Cream. State Dairy Products Company, Columbia, Mo.
Filed Oct. 15, 1948, Serial No. 567,052. Published June 12, 1951. Class 46.

549,422. Ladies' Coats and Suits. Goldring Inc., New York, N. Y.
Filed Oct. 20, 1948, Serial No. 567,260. Published June 5, 1951. Class 39.

549,423. Wheat Flour. Majestic Flour Mill, Memphis, Tenn.
Filed Aug. 13, 1948, Serial No. 567,320. Published Feb. 21, 1950. Class 46.

549,424. Canned Applesauce. Safeway Stores, Incorporated, Baltimore, Md., and Oakland, Calif.
Filed Oct. 26, 1948, Serial No. 567,656. Published July 25, 1950. Class 46.

549,425. Cleaning and Polishing Preparations—Namely, Silver and Chromium Polish, Metal Polish, Bowl Cleaners, and Enamel Cleaners. B. Heller & Company, Chicago, Ill.
Filed Oct. 28, 1948, Serial No. 567,782. Published July 17, 1951. Class 4.

549,426. Canned Citrus Fruit Juices and Blends Thereof, Canned Grapefruit, and Canned Tomato Juice. Triple E Development Company, Dade City, Fla., assignee of Floridagold Citrus Corporation.
Filed Nov. 1, 1948, Serial No. 567,962. Published June 12, 1951. Class 46.

549,427. Fertilizer Spraying Apparatus—Namely, a Metal Casting to Which May Be Attached a Container and a Water Hose. F. L. Gatchet, Inc., Gardiner, Wash.
Filed Nov. 8, 1948, Serial No. 568,366. Published July 17, 1951. Class 23.

549,428. Frozen Dairy Confection—Namely, Ice Cream, Freez-Maid Products, Davenport, Iowa.
Filed Nov. 15, 1948, Serial No. 568,788. Published June 26, 1951. Class 46.

549,429. Sandwiches; Cooked Vegetables; Macaroni; Baked Beans, Etc. Horn and Hardart Baking Company, which among its activities conducts retail shops which bear the name "Horn & Hardart Retail Shops," Philadelphia, Pa.
Filed Nov. 17, 1948, Serial No. 568,949. Published June 12, 1951. Class 46.

549,430. Floor Cleaning Compounds Having Oil and Water Absorbent and Incidental Fire Prevention Properties. Attapulgus Clay Company, Philadelphia, Pa., assignee of Charles M. Addis, doing business as Refiners Lubricating Company.
Filed Nov. 30, 1948, Serial No. 569,586. Published July 17, 1951. Class 52.

549,431. Radio Equipment—Namely, Radio Transmitting Tubes, Etc. International Standard Electric Corporation, New York, N. Y.
Filed Dec. 1, 1948, Serial No. 569,701. Published June 26, 1951. Class 21.

549,432. Chemical Compounds, More Particularly Described as Being Synthetic Polymers and Copolymers of Acrylic Acid or Its Derivatives Produced in the Form of Fibers for Further Use in the Industrial Arts. E. I. du Pont de Nemours and Company, Wilmington, Del.
Filed Dec. 4, 1948, Serial No. 569,965. Published July 17, 1951. Class 1.

549,433. Box Sold Empty to the Trade and Made of Polystyrene for Holding and Dispensing Waxed Paper Rolls, Which Box Is Designed To Be Affixed to Wall Surfaces or to the Underside of a Cabinet. Romalite Company, Culver City, Calif.
Filed Dec. 8, 1948, Serial No. 570,231. Published July 24, 1951. Class 13.

549,434. Nursers and Components Thereof Comprising Nursing Bottles, Nipples, Nipple Retaining Caps, and Seal Discs for Nursing Bottles. The Pyramid Rubber Company, Ravenna, Ohio.
Filed Dec. 10, 1948, Serial No. 570,319. Published July 3, 1951. Class 44.

549,435. Textile Fabrics of Cotton, Wool, Silk, and Synthetic Fibres. Diane Export Co., New York, N. Y.
Filed Dec. 31, 1948, Serial No. 571,410. Published July 17, 1951. Class 42.

549,436. Candy. Mars, Incorporated, Chicago, Ill.
Filed Jan. 6, 1949, Serial No. 571,734. Published Mar. 14, 1950. Class 46.

549,437. Cookies. Zion Industries, Inc., Zion, Ill.
Filed Jan. 10, 1949, Serial No. 571,928. Published May 22, 1951. Class 46.

549,438. Mayonnaise Dressing, Salad Dressing, French Dressing, Sandwich Spread, and Prepared Mustard. James A. Orrell, doing business as O. J. Manufacturing Co. and Orrell's Food Products, Oakland, Calif.
Filed Jan. 24, 1949, Serial No. 572,681. Published May 22, 1951. Class 46.

549,439. Whey Products—Namely, Whey Concentrate, Used for Livestock and Poultry Feed. Stock-Gro, Inc., Chicago, Ill.
Filed Feb. 4, 1949, Serial No. 573,343. Published July 31, 1951. Class 46.

549,440. Articles All Made of Plastic, Tumblers, Sugar Bowls, Cream Pitchers, Etc. The Plas-Tex Corporation, Los Angeles, Calif.
Filed Feb. 7, 1949, Serial No. 573,457. Published July 24, 1951. Class 2.

549,441. Cookies. Zion Industries, Inc., Zion, Ill.
Filed Feb. 14, 1949, Serial No. 573,860. Published May 29, 1951. Class 46.

549,442. Expansion Joint Sealing Compounds, Etc. Servicised Products Corporation, Chicago, Ill., assignee of Wallace C. Fischer and Cecile G. Fischer, executors of the estate of Albert C. Fischer.
Filed Feb. 23, 1949, Serial No. 574,354. Published July 3, 1951. Class 12.

549,443. Canned Vegetables, All-Purpose Wheat Flour, Rice, Coffee, Etc. Newton Grocery Company, Inc., also doing business as Dothan Coffee Mills, Dothan, Ala.
Filed Feb. 24, 1949, Serial No. 574,455. Published June 26, 1951. Class 46.

549,444. Liquid Food Product Used as a Flavoring for Milk Drinks, Ice Cream, and Hot Chocolate, and Composed of Chocolate, Cocoa, Sugar, and Milk. H. B. Hunter, doing business as The Chocolishus Company, Norfolk, Va.
Filed Feb. 10, 1949, Serial No. 574,658. Published May 29, 1951. Class 46.

549,445. Degreasing Compounds for Removing Grease and Oil From Metal Parts or Machine Parts. Phillips Manufacturing Co., Chicago, Ill.
Filed Mar. 3, 1949, Serial No. 574,859. Published July 17, 1951. Class 52.

549,446. Food Product Containing Whole Eggs, Yolks, Malt Syrup, and Salt Used as an Ingredient in Baked Goods. Armour and Company, Chicago, Ill.
Filed Mar. 4, 1949, Serial No. 574,881. Published July 3, 1951. Class 46.

549,447. Heavy Duty High Power Stationary and Semi-Portable Electrical Welders and Brazers. Acro Welder Mfg. Co., Milwaukee, Wis.
Filed Mar. 9, 1949, Serial No. 575,114. Published July 3, 1951. Class 21.

549,448. Detergent for Laundry Use. The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Filed Mar. 11, 1949, Serial No. 575,291. Published July 17, 1951. Class 52.

549,449. Apron Duck and Loop-Edged Tape and Feed Ribbons, All Cut to Size To Fit Flatwork Ironers; Knitted Padding, Cover Duck, Cover Cloth, and Sheeting, All Cut to Size To Fit Flatwork Ironers and Presses; Nylon, Wool, Rubber, Asbestos, and Cotton Pads and Covers for Laundry and Dry Cleaning Presses and Flatwork Ironers. R. Lally Co., Evanston, Ill.
Filed Mar. 19, 1949, Serial No. 575,736. Published July 24, 1951. Class 24.

549,450. Poultry Mash. General Mills, Inc., Wilmington, Del., and Minneapolis, Minn.
Filed Mar. 21, 1949, Serial No. 575,755. Published July 24, 1951. Class 46.

549,451. Toilet Water, Eaux de Cologne, and Skin Lotions. Lancome, S. A., doing business as Lancôme, Paris, France.
Filed Mar. 23, 1949, Serial No. 575,913. Published July 3, 1951. Class 51.

549,452. Painting Knives. Edward J. Shanahan, Brooklyn, N. Y.
Filed Mar. 26, 1949, Serial No. 576,138. Published July 17, 1951. Class 23.

549,453. Metal Pans Useful in Baking and in the Preparation of Food Molds. United Aircraft Products, Inc., Dayton, Ohio.
Filed Mar. 26, 1949, Serial No. 576,176. Published July 24, 1951. Class 13.

549,454. Metal Pans Useful in Baking and in the Preparation of Food Molds. United Aircraft Products, Inc., Dayton, Ohio.
Filed Mar. 26, 1949, Serial No. 576,177. Published July 24, 1951. Class 13.

549,455. Vegetable Products in the Form of Flakes, Semolina, Flour and Powder, Pure or in Combination With Other Substances Used as Emulsifying Medium, for Textile and Paper Industries, and for Use as an Emulsifying Medium Generally in the Industrial Arts. Meyerhans Produkte A. G. (Meyerhans Products Ltd.), Weinfelden, Switzerland, now by change of name Meypro A. G. (Meypro S. A.) (Meypro Ltd.)
Filed Mar. 30, 1949, Serial No. 576,344. Published July 17, 1951. Class 6.

549,456. Thumb Tacks. The Waterbury Tack Company, Inc., Shelton, Conn.
Filed Mar. 31, 1949, Serial No. 576,434. Published July 10, 1951. Class 13.

549,457. Coffee Cake. Gordon Baking Company, Detroit, Mich.
Filed Apr. 4, 1949, Serial No. 576,581. Published July 3, 1951. Class 46.

549,458. Agents Used in Allergy, Analgesics, Analeptics, Etc. Hoffmann-La Roche Inc., Nutley, N. J.
Filed Apr. 6, 1949, Serial No. 576,701. Published July 3, 1951. Class 18.

549,459. Face Creams. Lancome, S. A., Paris, France.
Filed Apr. 16, 1949, Serial No. 577,272. Published June 26, 1951. Class 51.

549,460. Power Operated Garden Cultivator Manually Guided by Operator Walking Behind Cultivator. Benjamin B. Stoltzfus, doing business as B. B. Stoltzfus, Intercourse, Pa.
Filed Apr. 26, 1949, Serial No. 577,752. Published June 19, 1951. Class 23.

549,461. Infants' Bottle Holders. Paul G. Ridey, Cincinnati, Ohio.
Filed Apr. 29, 1949, Serial No. 577,986. Published July 3, 1951. Class 44.

549,462. Centrifugal Machines for Separating Solids From Liquids, Etc. Hepworth Machine Company, Inc., New York and Long Island City, N. Y.
Filed May 4, 1949, Serial No. 578,206. Published July 17, 1951. Class 23.

549,463. Chemical Compound Used To Clean, Purify, and Deodorize Cesspools, Septic Tanks, Drainage Lines, Grease Traps, Seepage Pools, and the Like; a Chemical Compound Used To Clean and Condition Cesspools, Septic Tanks, and the Like, Having Disinfecting and Deodorizing Properties. Camp Chemical Company, Inc., Brooklyn, N. Y.
Filed May 19, 1949, Serial No. 579,081. Published July 17, 1951. Class 52.

549,464. Agricultural and Horticultural Dusting Machines. Food Machinery and Chemical Corporation, San Jose, Calif.
Filed May 19, 1949, Serial No. 579,087. Published June 19, 1951. Class 23.

549,465. Canned Fruits, Canned Vegetables, Jams, Jellies, and Apple Sauce. Smithfield's Pure Food Company, Inc., Rochester, N. Y.
Filed May 21, 1949, Serial No. 579,297. Published July 31, 1951. Class 46.

549,466. Face Powder. The Andrew Jergens Company, Cincinnati, Ohio.
Filed May 23, 1949, Serial No. 579,328. Published June 26, 1951. Class 51.

549,467. Women's Vanity Cases, Covered With Leather or Fabric or Combinations Thereof and Lined With Leather or Fabric and Sold Empty. Mr. John, Inc., New York, N. Y.
Filed May 25, 1949, Serial No. 579,498. Published July 24, 1951. Class 2.

549,468. Preparations for Making Pie Fillings and Puddings. Good Luck Food Co., Inc., Rochester, N. Y.
Filed May 26, 1949, Serial No. 579,537. Published July 24, 1951. Class 46.

549,469. Canned Fish, Canned Vegetables, Canned Fruit, and Canned Citrus Fruit Juices. Hyman Spitzer, doing business as Bayonne Wholesale Food Co., Bayonne, N. J.
Filed June 7, 1949, Serial No. 580,103. Published May 29, 1951. Class 46.

549,470. Electric Light Reflectors for Use With Incandescent Lamps. Compco Corporation, Chicago, Ill.
Filed June 9, 1949, Serial No. 580,185. Published July 17, 1951. Class 21.

549,471. Cleaning Compound for Toilet Bowls, Toilet Receptacles, and the Like. Harry Butters, doing business as Butters Mfg. Co., Boston, Mass.
Filed June 21, 1949, Serial No. 580,820. Published July 17, 1951. Class 52.

549,472. Penetrating or Wetting Agent for Use in Detergent Compositions and Detergent Solutions. Diamond Alkali Company, Cleveland, Ohio.
Filed June 21, 1949, Serial No. 580,828. Published July 17, 1951. Class 52.

549,473. Collapsible Pallet Boxes. Fab-Weld Corporation, Philadelphia, Pa.
Filed June 21, 1949, Serial No. 580,833. Published July 24, 1951. Class 2.

549,474. Bolts, Screws, Chains, Chain Links, Chain Pins, Conveyor Pins, Etc. Duquesne Mine Supply Company, Millvale and Pittsburgh, Pa.
Filed June 22, 1949, Serial No. 580,877. Published July 10, 1951. Class 13.

549,475. Fresh Vegetables. Richard A. Bush, doing business as Hereford Farms, Hereford, Tex., assignor to Joe Ballinger, Hereford, Tex.
Filed June 27, 1949, Serial No. 581,117. Published July 24, 1951. Class 46.

549,476. Plumbers' Supply Specialties—Namely, Bead Chain Stoppers, Sink Suction Stoppers, Toilet Tank Balls, Closet Seat Bumpers, and Furnace Bulbs. The H. O. Canfield Co., Bridgeport, Conn.
Filed June 27, 1949, Serial No. 581,119. Published July 24, 1951. Class 13.

549,477. Hand Tools and Similar Devices—Namely, Mauls, Etc. Hubbard and Company, Pittsburgh, Pa.
Filed July 2, 1949, Serial No. 581,479. Published July 3, 1951. Class 23.

549,478. Automatic Electric Toaster With Ejection Mechanism. Hamilton Ross Industries, Inc., Chicago, Ill.
Filed July 6, 1949, Serial No. 581,556. Published Oct. 24, 1950. Class 21.

549,479. Preparation for Cleaning Automobile Bodies. "X" Laboratories, Inc., New York, N. Y.
Filed July 9, 1949, Serial No. 581,749. Published July 17, 1951. Class 52.

549,480. Television Cameras and Parts Thereof, Etc. Television Equipment Corporation, New York, N. Y.
Filed July 12, 1949, Serial No. 581,841. Published July 3, 1951. Class 21.

549,481. Lawn Mowers. Peninsula Products Corporation, Detroit, Mich.
Filed July 21, 1949, Serial No. 582,319. Published July 17, 1951. Class 23.

549,482. Packing and Shipping Boxes Made of Container Board. Atlas-Boxmakers, Inc., Chicago, Ill.
Filed July 26, 1949, Serial No. 582,515. Published July 24, 1951. Class 2.

549,483. Packing and Shipping Boxes Made of Container Board. Atlas-Boxmakers, Inc., Chicago, Ill.
Filed July 26, 1949, Serial No. 582,516. Published July 24, 1951. Class 2.

549,484. Machine Tools—Namely, Lathes, Grinding Machines, Planing Machines, and Shaping Machines. Officine G. G. Bossetti Società per Azioni, Novara, Italy.
Filed July 27, 1949, Serial No. 582,577. Published July 3, 1951. Class 23.

549,485. Illuminating Apparatus—Namely, Electric Rotating Lamps, Luminous Tubes, Electric Lamp Bulbs, Electric Floor Lamps, Electric Table Lamps, Centrifugal Mercury Bulbs, and Electric Street Lamps. Guglielmo Riccomagno, Milan, Italy.
Filed Aug. 6, 1949, Serial No. 583,120. Published July 17, 1951. Class 21.

549,486. Electric Spot Lights and Parts Thereof. The Strong Electric Corporation, Toledo, Ohio.
Filed Aug. 16, 1949, Serial No. 583,562. Published June 26, 1951. Class 21.

549,487. Portable Suction-Cup Article-Securing Guards for Use on Automobile Dashboards, Window Ledges, Etc., For Securing Cigarettes, Maps, Dishes, and Other Small Articles. Compco Corporation, Chicago, Ill.
Filed Aug. 17, 1949, Serial No. 583,590. Published July 10, 1951. Class 13.

549,488. Pumps—Namely, Centrifugal Pumps for Liquids. American Hydrotherm Corp., New York, N. Y.
Filed Aug. 31, 1949, Serial No. 584,260. Published July 17, 1951. Class 23.

549,489. Electric Lighting Fixtures—Namely, Fluorescent Lamps for Attachment to the Music Rack of an Organ or a Piano Console. Castlelight Company, Pittsburgh, Pa.
Filed Sept. 8, 1949, Serial No. 584,571. Published July 3, 1951. Class 21.

549,490. Unshelled Pecans. Georgia Pecan Company, Cairo, Ga.
Filed Sept. 9, 1949, Serial No. 584,618. Published July 10, 1951. Class 46.

549,491. Non-Alcoholic Food Flavoring Extracts. Hallock-Denton Co., Newark, N. J.
Filed Sept. 9, 1949, Serial No. 584,621. Published July 17, 1951. Class 46.

549,492. Collapsible Cardboard Cartons With a Display Window. Royal Feed & Milling Co., doing business as Royal Staf-O-Life Mills, Memphis, Tenn., and Meridian, Miss.
Filed Sept. 12, 1949, Serial No. 584,737. Published July 24, 1951. Class 2.

549,493. Radio Receiving Apparatus Described as Follows: Fixed Tuned Communications Receiving Units, Etc. Press Wireless, Inc., New York, N. Y.
Filed Sept. 16, 1949, Serial No. 584,922. Published July 17, 1951. Class 21.

549,494. Chocolate, Cocoa Powder, and Cocoa Butter. A. N. Stollwerck, Inc., Camden, N. J.
Filed July 13, 1949, Serial No. 584,945. Published July 24, 1951. Class 46.

549,495. Fresh Strawberries. Central California Berry Growers Association, San Jose, Calif.
Filed Sept. 26, 1949, Serial No. 585,314. Published May 29, 1951. Class 46.

549,496. Electrically Illuminated Nursery Pictures. Hartwig, Incorporated, Milwaukee, Wis.
Filed Sept. 26, 1949, Serial No. 585,327. Published July 3, 1951. Class 21.

549,497. Mufflers for Internal Combustion Engines. Riker Welding Works, doing business as Riker Manufacturing, Toledo, Ohio.
Filed Sept. 27, 1949, Serial No. 585,396. Published July 3, 1951. Class 23.

549,498. Wheat Flour. The Colorado Milling & Elevator Co., doing business under the style name of Springfield Flour Mills, Denver, Colo., and Springfield, Mo.
Filed Sept. 28, 1949, Serial No. 585,429. Published May 29, 1951. Class 46.

549,499. Leader Pipe Straps. David Levow, New York, N. Y.
Filed Sept. 29, 1949, Serial No. 585,536. Published July 24, 1951. Class 13.

549,500. Spiral Door Springs. The Consolidated Iron-Steel Mfg. Co., Cleveland, Ohio.
Filed Sept. 30, 1949, Serial No. 585,567. Published July 24, 1951. Class 13.

549,501. Electric Lighting Apparatus and Parts Thereof—Namely, Electric Lighting Control Apparatus, Spot Lighting Apparatus, Lighting Strips, Rheostats, and Dimmers Therefor. The Color Lighting Corporation, New York, N. Y., assignor to Duro-Test Corporation, North Bergen, N. J., a corporation of New York.
Filed Oct. 1, 1949, Serial No. 585,633. Published July 3, 1951. Class 21.

549,502. Salted Cut and Boneless Cod Fish. Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass.
Filed Oct. 5, 1949, Serial No. 585,793. Published June 19, 1951. Class 46.

549,503. Fresh Vegetables and Fruits—Namely, Onions, Cabbage, Potatoes, and Oranges. H. C. Bergart Co., Chicago, Ill.
Filed Oct. 8, 1949, Serial No. 585,989. Published July 10, 1951. Class 46.

549,504. Automotive and General Service Copper Tubing, Refrigeration Service Copper Tubing. Penn Brass & Copper Company, Erie, Pa.
Filed Sept. 26, 1949, Serial No. 586,223. Published July 31, 1951. Class 13.

549,505. Chopped Frozen Horse Meat for Human or Animal Consumption. Clyde Miller, doing business as Western Meat Distributors, and also doing business as Western Meat Dist. Co., Los Angeles, Calif.
Filed Oct. 18, 1949, Serial No. 586,492. Published July 10, 1951. Class 46.

549,506. Light Metal Ware—Namely, Tumblers, Serving Trays, and Pitchers. Norben, Inc., Indianapolis, Ind.
Filed Oct. 19, 1949, Serial No. 586,542. Published July 24, 1951. Class 13.

549,507. Hydraulic Control Mechanism Comprising a Housing, Mounted on the Rear of a Tractor, Etc. Deere & Company, Moline, Ill.
Filed Oct. 25, 1949, Serial No. 586,794. Published July 17, 1951. Class 23.

549,508. Quick-Acting, Self-Locking Fasteners and Fastener Parts and Accessories—Namely, Fastener Studs, Fastener Springs, Fastener Grommets, Fastener Retainers, and Fastener Receptacles. Dsus Fastener Co., Inc., West Islip, N. Y.
Filed Oct. 25, 1949, Serial No. 586,798. Published July 10, 1951. Class 13.

549,509. Sandwiches. Little Tavern Shops, Inc., Washington, D. C., and Baltimore, Md.
Filed Oct. 27, 1949, Serial No. 586,924. Published May 29, 1951. Class 46.

549,510. Antacid Powder. Senmer Company, doing business as Poly-Aid Company, Youngstown, Ohio.
Filed Nov. 12, 1949, Serial No. 587,694. Published June 26, 1951. Class 18.

549,511. Cakes and Cookies. Farm Crest Bakeries, Inc., Detroit, Mich.
Filed Nov. 14, 1949, Serial No. 587,719. Published July 24, 1951. Class 46.

549,512. Cake and Candy. Swiss Kitchen, Chicago, Ill.
Filed Nov. 14, 1949, Serial No. 587,766. Published June 5, 1951. Class 46.

549,513. Hypodermic Syringes and Needles. Will Ross, Inc., Milwaukee, Wis.
Filed Nov. 15, 1949, Serial No. 587,820. Published June 26, 1951. Class 44.

549,514. Selector Mechanism Used in Interplant and Interoffice Telephonic Communication Apparatus. Talk-A-Phone Co., Chicago, Ill.
Filed Nov. 17, 1949, Serial No. 587,980. Published July 10, 1951. Class 21.

549,515. Metal Cleaners and Detergents for General Use. Calgon, Incorporated, Pittsburgh, Pa.
Filed Nov. 18, 1949, Serial No. 588,002. Published July 17, 1951. Class 52.

549,516. Electrical Table and Wall Lamps. Hungerford Plastics Corporation, New Providence, N. J.
Filed Nov. 19, 1949, Serial No. 588,091. Published July 17, 1951. Class 21.

549,517. Canned Chopped Ham, Corned Beef Hash, Vienna Sausage, Beef and Gravy, Deviled Meat and Potted Meat. Ready Foods Canning Corp., Chicago, Ill.
Filed Nov. 23, 1949, Serial No. 588,231. Published May 29, 1951. Class 46.

549,518. Candy. William H. Cole, doing business as W. H. Cole Chocolate Co., Boston, Mass.; Lesley C. Cole executrix of said William H. Cole, deceased, assignor to W. H. Cole Chocolate Co., Boston, Mass., a corporation of Massachusetts.
Filed Nov. 25, 1949, Serial No. 588,276. Published May 22, 1951. Class 46.

549,519. Spot Remover for Dry Cleaning, Wet Cleaning, and Laundry Use. Patek and Co., San Francisco, Calif.
Filed Nov. 25, 1949, Serial No. 588,320. Published July 17, 1951. Class 52.

549,520. Internal Combustion Engines, Auxiliary Engines, Etc. Sansio Pio Vincenzo Piatti, Milan, Italy.
Filed Nov. 25, 1949, Serial No. 588,323. Published July 3, 1951. Class 23.

549,521. Paper Bags for Disposal of Sanitary Napkins. Commodity House, Steubenville, Ohio.
Filed Dec. 27, 1949, Serial No. 589,954. Published July 17, 1951. Class 2.

549,522. Bench Vises. Wilton Tool Mfg. Co., Chicago, Ill.
Filed Dec. 28, 1949, Serial No. 590,044. Published July 3, 1951. Class 23.

549,523. Puffed Wheat and Puffed Rice, for Human Consumption. The Quaker Oats Company, Chicago, Ill.
Filed Jan. 5, 1950, Serial No. 590,388. Published June 5, 1951. Class 46.

549,524. Puffed Wheat and Puffed Rice, for Human Consumption. The Quaker Oats Company, Chicago, Ill.
Filed Jan. 5, 1950, Serial No. 590,389. Published June 5, 1951. Class 46.

549,525. Hand Cleaning Compound Commonly Known as Industrial Hand Soap. Puritan Company, Incorporated, Rochester, N. Y.
Filed Nov. 26, 1949, Serial No. 590,779. Published July 17, 1951. Class 52.

549,526. Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece. The United Piece Dye Works, Lodi, N. J.
Filed Jan. 19, 1950, Serial No. 591,124. Published July 17, 1951. Class 42.

549,527. Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece. The United Piece Dye Works, Lodi, N. J.
Filed Jan. 19, 1950, Serial No. 591,126. Published July 17, 1951. Class 42.

549,528. Fabrics in the Piece of Rayon, Wool, Cotton, Nylon, and Mixtures Thereof; and Linen Fabrics in the Piece. The United Piece Dye Works, Lodi, N. J.
Filed Jan. 19, 1950, Serial No. 591,128. Published July 17, 1951. Class 42.

549,529. Heat Insulated Vacuum Bottle. Vacuum Products Corporation, Newark, N. J.
Filed Jan. 21, 1950, Serial No. 591,261. Published July 24, 1951. Class 2.

549,530. Simulated Sausages Composed Principally of Fish. Penton Laboratories, Inc., Jenkintown, Pa.
Filed Jan. 24, 1950, Serial No. 591,379. Published June 19, 1951. Class 46.

549,531. Frozen Fresh Fish, Shrimp, Oysters, Lobster, Crabmeat and Scallops. Miami Sea Food Company, Miami, Fla.
Filed Jan. 28, 1950, Serial No. 591,633. Published Nov. 28, 1950. Class 46.

549,532. Electrically-Heated Vaporizer for Disinfectants. Remington Products Corporation, Elizabeth, N. J.
Filed Jan. 18, 1950, Serial No. 591,647. Published July 3, 1951. Class 21.

549,533. Electrical Protective Equipment—Namely, Circuit Breakers. McGraw Electric Company, Chicago, Ill.
Filed Feb. 4, 1950, Serial No. 591,994. Published July 10, 1951. Class 21.

549,534. Topical Anesthetic for Use in Rectal Surgery. Calvin Chemical Corporation, Miami, Fla.
Filed Feb. 11, 1950, Serial No. 592,304. Published June 26, 1951. Class 18.

549,535. Ready To Eat Food Product Consisting of a Casing of Edible Pastry With a Filling of Cooked Meat, Etc. H. Read Limited, Higher Broughton, Salford, Lancashire, England.
Filed Feb. 20, 1950, Serial No. 592,782. Published May 1, 1951. Class 46.

549,536. Steel Point Stilts Designed To Support Painted Articles While the Latter Are Drying in a Kiln or Oven. Peter Paul Laskey, Philadelphia, Pa.
Filed Feb. 21, 1950, Serial No. 592,821. Published July 31, 1951. Class 13.

549,537. Metal Couplings and Metal Clamps for Pipe Lines; Metal Fittings for Pipe Lines—Namely, L's, T's, Y's, Crosses, Angles, Caps, Plugs, Nipples and Bushings; and Corrosion Shields—Namely, Pliable Impervious Coverings for Pipe Joints. Dresser Industries, Inc., Cleveland, Ohio.
Filed Feb. 28, 1950, Serial No. 593,164. Published July 24, 1951. Class 13.

549,538. Deflector Type Air Circulators Employing Electrically Driven Fans, Including Floor Models, Desk Models, and Vertical or Column Type Circulators and Ceiling Circulators. Kisco Company, Inc., St. Louis, Mo.
Filed Mar. 2, 1950, Serial No. 593,277. Published July 3, 1951. Class 21.

549,539. Frozen Shrimp. Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico.
Filed Mar. 4, 1950, Serial No. 593,435. Published June 12, 1951. Class 46.

549,540. Frozen Shrimp. Pesquera e Industrializadora de Guaymas, S. A., Guaymas, Sonora, Mexico.
Filed Mar. 4, 1950, Serial No. 593,436. Published June 5, 1951. Class 46.

549,541. Wheat-Flour. Ballard & Ballard Co., Louisville, Ky.
Filed Mar. 6, 1950, Serial No. 593,461. Published June 5, 1951. Class 46.

549,542. Rectifiers. General Transformer Corporation, Chicago, Ill., assignor to Nathan Goldman, Chicago, Ill.
Filed Mar. 20, 1950, Serial No. 594,268. Published July 3, 1951. Class 21.

549,543. Raisins. Fewel Bros. Packing Company, Fresno, Calif.
Filed Mar. 21, 1950, Serial No. 594,314. Published June 5, 1951. Class 46.

549,544. Soy Bean Meal and Soy Bean Pellets. Wilson Soya Corporation, Wilson, Ark.
Filed Mar. 22, 1950, Serial No. 594,418. Published July 24, 1951. Class 46.

549,545. Candy. Hollywood Brands, Inc., doing business under the name Hollywood Candy Company, Centralia, Ill.
Filed Mar. 24, 1950, Serial No. 594,543. Published May 1, 1951. Class 46.

549,546. Electric Toasters, Waffle Irons, Sandwich Toasters, and Broilers. Stern Brown Inc., Long Island City, N. Y.
Filed Mar. 29, 1950, Serial No. 594,864. Published July 3, 1951. Class 21.

549,547. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Mar. 30, 1950, Serial No. 594,882. Published July 17, 1951. Class 42.

549,548. Ice Cream, Frozen Custard, and Ices. Milgram Food Stores, Inc., Kansas City, Mo.
Filed Mar. 30, 1950, Serial No. 594,913. Published July 24, 1951. Class 46.

549,549. Coin Operated Sandwich Vending or Dispensing Machine. Timm Industries, Inc., Los Angeles, Calif.
Filed Mar. 30, 1950, Serial No. 594,927. Published July 3, 1951. Class 23.

549,550. Containers—Namely, Plastic Boxes for Cosmetics, Handkerchiefs, Hosiery, and Lingerie. Victoria-Vogue, Inc., New York, N. Y.
Filed Mar. 31, 1950, Serial No. 595,018. Published July 24, 1951. Class 2.

549,551. Food Colors, Non-Alcoholic Flavoring Emulsions for Food Purposes, Dry Soup Mixes, Vanilla-Sugar for Food Flavoring Purposes, and Gelatine for Use as a Stabilizer in the Manufacture of Ice Creams and Also in the Manufacture of Pigs' Feet, Souse, and Other Meat Products. McCormick & Company, Inc., Baltimore, Md.
Filed Apr. 7, 1950, Serial No. 595,385. Published July 31, 1951. Class 46.

549,552. Lawnmower Parts—Namely, Cast Portions Thereof, Handles, Etc. A. M. Collot Supplies, Inc., Miami, Fla.
Filed Apr. 8, 1950, Serial No. 595,449. Published July 3, 1951. Class 23.

549,553. Cereal Breakfast Foods. Van Brode Milling Co., Inc., Clinton, Mass.
Filed Apr. 10, 1950, Serial No. 595,523. Published May 1, 1951. Class 46.

549,554. Doughnuts. White Kitchen, Bartlesville, Okla.
Filed Apr. 11, 1950, Serial No. 595,583. Published June 19, 1951. Class 46.

549,555. Metal Fittings and Couplings for Fluid Lines—Namely, Group (a) Hose Fittings and Pipe Fittings for Fluid, Etc. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 14, 1950, Serial No. 595,696. Published July 24, 1951. Class 13.

549,556. Metal Fittings and Couplings for Fluid Lines—Namely, Group (a) Hose Fittings, Etc. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 14, 1950, Serial No. 595,699. Published July 24, 1951. Class 13.

549,557. Farm Fencing and Gates Made of Metal. Charles Pupilli, Blanford, Ind.
Filed Apr. 14, 1950, Serial No. 595,736. Published July 10, 1951. Class 13.

549,558. Fungicide Cream. Abbott Laboratories, North Chicago, Ill.
Filed Apr. 15, 1950, Serial No. 595,750. Published June 26, 1951. Class 18.

549,559. Metal Fittings and Couplings for Fluid Lines—Namely, Group (a) Hose Fittings and Pipe Fittings for Fluid, Etc. Aeroquip Corporation, Jackson, Mich.
Filed Apr. 15, 1950, Serial No. 595,752. Published July 24, 1951. Class 13.

549,560. Electrically Operated Vehicle Speed Governors. Markley Corporation, Plainville, Conn., assignor to Speedmaster Corporation, Plainville, Conn.
Filed Apr. 14, 1950, Serial No. 595,810. Published June 26, 1951. Class 21.

549,561. Pharmaceutical Preparation Suitable for Regular Use in Personal Hygiene and for Therapeutic Use in a Wide Range of Gynecologic Disorders. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 18, 1950, Serial No. 595,903. Published July 3, 1951. Class 18.

549,562. Aerators of the Type Attached to Water Faucets. Knickerbocker Rubber Company, Chicago, Ill.
Filed Apr. 21, 1950, Serial No. 596,099. Published July 24, 1951. Class 13.

549,563. Governors for Internal Combustion Engines. E. V. Robnett, Jr., Austin, Tex.
Filed Apr. 21, 1950, Serial No. 596,120. Published July 17, 1951. Class 23.

549,564. Detergent Preparation—Namely, a Castor and Coconut Oil Liquid Soap. Physicians and Hospitals Supply Company, Inc., doing business under the name of Ulmer Pharmacal Company, Minneapolis, Minn.
Filed Apr. 22, 1950, Serial No. 596,188. Published July 17, 1951. Class 52.

549,565. Pharmaceutical Preparation Suggested for Treatment of Turgid and Inflamed Mucous Membranes of the Nose and Throat, Etc. The S. E. Massengill Company, Bristol, Tenn.
Filed Apr. 29, 1950, Serial No. 596,595. Published July 3, 1951. Class 18.

549,566. Sponges and Chamois. S. M. Arnold, Inc., St. Louis, Mo.
Filed May 1, 1950, Serial No. 596,644. Published July 3, 1951. Class 1.

549,567. Electronic Sleeping Aids—Namely, an Electronic Sound Producing Apparatus Designed To Lull the Insomniac to Sleep by Monotonous Repetition of a Soft, Double-Tone Hum Emitted by a Loudspeaker Mounted in a Tiny Cabinet. Charles Beasley, doing business as Electronics Experimental (Electrex), Chicago, Ill.
Filed May 4, 1950, Serial No. 596,825. Published July 10, 1951. Class 21.

549,568. Fluorescent, Slimline, and Incandescent Light Fixtures. Anchor Appliance Mfg. Co., Columbus, Ohio.
Filed Apr. 19, 1950, Serial No. 597,037. Published July 3, 1951. Class 21.

549,569. Worsted Fabrics in the Piece. Herbert R. Leeds & Co., Inc., New York, N. Y.
Filed May 11, 1950, Serial No. 597,279. Published July 17, 1951. Class 42.

549,570. Teething Instruments. The Sun Rubber Company, Barberton, Ohio.
Filed May 17, 1950, Serial No. 597,638. Published July 17, 1951. Class 44.

549,571. Chewing Gum. American Chewing Products Corp., Newark, N. J., assignor to The Lone Ranger, Inc., Detroit, Mich., a corporation of Michigan.
Filed May 19, 1950, Serial No. 597,727. Published June 5, 1951. Class 46.

549,572. Storage Batteries. Advance Stores Company, Incorporated, Roanoke, Va.
Filed Apr. 5, 1950, Serial No. 597,861. Published June 26, 1951. Class 21.

549,573. Fruit Nectar. Otis, McAllister & Co., San Francisco, Calif.
Filed May 22, 1950, Serial No. 597,898. Published June 5, 1951. Class 46.

549,574. Electric Resistive Devices Specifically Resistors. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed May 23, 1950, Serial No. 597,964. Published July 10, 1951. Class 21.

549,575. Corrugated Paper Boxes. Shelton Manufacturing Co., Inc., Long Island City, N. Y.
Filed May 25, 1950, Serial No. 598,111. Published July 24, 1951. Class 2.

549,576. Embossed Plastic Film in Sheet Form. Imperial Chemical & Plastics Corporation, Cranston, R. I.
Filed May 26, 1950, Serial No. 598,188. Published July 17, 1951. Class 1.

549,577. Television Receivers. Hammond Research Corporation, Gloucester, Mass.
Filed May 27, 1950, Serial No. 598,252. Published June 26, 1951. Class 21.

549,578. Television Receivers. Hammond Research Corporation, Gloucester, Mass.
Filed May 27, 1950, Serial No. 598,253. Published June 26, 1951. Class 21.

549,579. Mink Pelts and Live Minks. Northwood Fur Farms, Cary, Ill.
Filed May 31, 1950, Serial No. 598,383. Published July 17, 1951. Class 1.

549,580. Soldering Metals Containing a Core or Cores of Flux. Multicore Solders Limited, London and County of London, England.
Filed June 3, 1950, Serial No. 598,539. Published July 24, 1951. Class 14.

549,581. Certain Toilet Accessories for Infants—Namely, Cotton-Tipped Applicators. Q-Tips, Inc., New York and Long Island City, N. Y.
Filed June 3, 1950, Serial No. 598,547. Published July 3, 1951. Class 44.

549,582. Electric Lighting Control Apparatus, Specifically a Motor-Operated Electric Light Dimmer. Ward Leonard Electric Company, Mount Vernon, N. Y.
Filed June 8, 1950, Serial No. 598,820. Published July 17, 1951. Class 21.

549,583. Food Seasoning Preparation the Principal Ingredients of Which are Dehydrated Vegetables, Spices, Mono Sodium Glutamate, in a Salt Base. Basic Food Materials, Inc., Vermilion, Ohio.
Filed June 10, 1950, Serial No. 598,879. Published May 29, 1951. Class 46.

549,584. Lawn Seed Mixture. Lee Patten Seed Company, Jersey City, N. J.
Filed June 13, 1950, Serial No. 599,005. Published July 17, 1951. Class 1.

549,585. Lawn Seed Mixture. Lee Patten Seed Company, Jersey City, N. J.
Filed June 13, 1950, Serial No. 599,006. Published July 17, 1951. Class 1.

549,586. Nail Files, Tweezers, Cuticle Scissors, Nail Scissors, Cuticle Nippers, Cuticle Pushers, Cuticle Knives, Blackhead Removers, Nail Clips, Nail Nippers, Nail Clippers, Cuticle Clippers, Baby Manicure Scissors. Millers Forge Mfg. Corp., New York, N. Y.
Filed June 14, 1950, Serial No. 599,109. Published July 17, 1951. Class 44.

549,587. Electrically Operated Communication Apparatus, Particularly Marine Radio Telephones, and Parts Thereof. Raytheon Manufacturing Company, Newton, Mass.
Filed June 15, 1950, Serial No. 599,191. Published July 3, 1951. Class 21.

549,588. Self-Polishing Floor Wax. The Wilbert Products Co., Inc., New York, N. Y.
Filed June 19, 1950, Serial No. 599,404. Published July 17, 1951. Class 4.

549,589. Candies. Louis D. Baker, doing business as L. Baker Candies, Cleveland, Ohio.
Filed June 21, 1950, Serial No. 599,485. Published June 5, 1951. Class 46.

549,590. Sugar Coated Pecan Meats. Carl E. Behr, doing business as Janet Forister, Bloomington, Ill.
Filed June 21, 1950, Serial No. 599,488. Published May 22, 1951. Class 46.

549,591. Baby Chicks. Berry Brothers, Quincy, Ill.
Filed June 21, 1950, Serial No. 599,494. Published July 17, 1951. Class 1.

549,592. Non-Electric Magnetic Separators for Separating Magnetic From Non-Magnetic Material. Eriez Manufacturing Company, Erie, Pa.
Filed June 22, 1950, Serial No. 599,559. Published July 10, 1951. Class 21.

549,593. Prepared and Packaged Biscuit Dough. Ready-To-Bake Foods Inc., Los Angeles, Calif.
Filed June 22, 1950, Serial No. 599,589. Published June 19, 1951. Class 46.

549,594. Electrical Equipment—Namely, Motors, Generators, Motor Generators, Generating Sets, Electroplating Apparatus, and Parts Thereof. Bogue Electric Manufacturing Company, Paterson, N. J.
Filed June 26, 1950, Serial No. 599,741. Published Apr. 17, 1951. Class 21.

549,595. Canned Vegetables. The Mississippi Valley Canning Co., Osceola, Ark.
Filed July 3, 1950, Serial No. 600,182. Published May 1, 1951. Class 46.

549,596. Canned Vegetables. The Mississippi Valley Canning Co., Osceola, Ark.
Filed July 3, 1950, Serial No. 600,183. Published May 1, 1951. Class 46.

549,597. Canned Crabmeat and Tuna Fish. Mitchel Beck Company, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,303. Published June 5, 1951. Class 46.

549,598. Canned Crabmeat and Tuna Fish. Mitchel Beck Company, Inc., New York, N. Y.
Filed July 6, 1950, Serial No. 600,304. Published June 5, 1951. Class 46.

549,599. Manicure Sets, Containing Nail Polish, Nail Polish Remover, Cuticle Remover, Emery Boards, Manicure Sticks, and a Nail File. Northam Warren Corporation, Stamford, Conn.
Filed July 7, 1950, Serial No. 600,363. Published July 17, 1951. Class 44.

549,600. Water Bags of Cotton Fabric. H. Wenzel Tent & Duck Co., St. Louis, Mo.
Filed July 7, 1950, Serial No. 600,364. Published July 24, 1951. Class 2.

549,601. Electric Condensers and Parts Thereof. Compagnie Generale d'Electro-Ceramique, Paris, France.
Filed July 10, 1950, Serial No. 600,419. Published July 10, 1951. Class 21.

549,602. Electric Condensers and Parts Thereof. Compagnie Generale d'Electro-Ceramique, Paris, France.
Filed July 10, 1950, Serial No. 600,420. Published July 10, 1951. Class 21.

549,603. Textile Fabrics in the Piece, of Nylon and Tow-Spun Rayon. Hego Fabrics, Inc., New York, N. Y.
Filed July 12, 1950, Serial No. 600,539. Published July 17, 1951. Class 42.

549,604. Furniture Polish. Albert Y. Woodward, doing business as Custom Furniture Finishers Guild, Washington, D. C.
Filed July 12, 1950, Serial No. 600,559. Published July 17, 1951. Class 4.

549,605. Laxative Preparation. Clinical Products Limited, Richmond, England.
Filed July 13, 1950, Serial No. 600,570. Published July 3, 1951. Class 18.

549,606. Newspaper Vending Machines. News-O-Mat, Ltd., Ottawa, Ontario, Canada.
Filed July 13, 1950, Serial No. 600,609. Published July 3, 1951. Class 23.

549,607. Medicinal Preparation for Use in the Oral Treatment of Conditions Requiring Prompt and Sustained Diuresis. Casimir Funk Laboratories, Inc., New York, N. Y.
Filed July 14, 1950, Serial No. 600,657. Published July 3, 1951. Class 18.

549,608. Paprika. Gentry, Incorporated, Los Angeles, Calif.
Filed July 14, 1950, Serial No. 600,660. Published June 26, 1951. Class 46.

549,609. Anti-Siphon Valves, Three-Way Vacuum Valves, Modulating Regulator Valves, Fluid Circulating Valves, and Compensating Valves. Petroleum Heat and Power Company, Stamford, Conn.
Filed July 14, 1950, Serial No. 600,694. Published July 24, 1951. Class 13.

549,610. Hearing Aid for Personal Use, Comprising a Microphone, Amplifier, and Receiver, Either Air or Bone Conduction. Leland E. Rosemond, New York, N. Y.
Filed July 15, 1950, Serial No. 600,739. Published July 3, 1951. Class 44.

549,611. Dental Abrading Discs and Strips. Albert P. de Sanno, Jr., trading under the name Albert P. de Sanno & Son, Phoenixville, Pa.
Filed July 18, 1950, Serial No. 600,823. Published July 3, 1951. Class 44.

549,612. Cheese. Jack Greenberg, Inc., doing business as Delaware Market Dairy Products, Philadelphia, Pa.
Filed July 19, 1950, Serial No. 600,886. Published June 5, 1951. Class 46.

549,613. Files (Being Tools). Rosslyn Engineering Supplies Limited, Twickenham, England.
Filed July 20, 1950, Serial No. 600,980. Published July 17, 1951. Class 23.

549,614. Canned Shrimp. Ray Skrmetta, doing business under the name and style of Deepsouth Packing Company, New Orleans, La.
Filed July 24, 1950, Serial No. 601,173. Published June 5, 1951. Class 46.

549,615. Cookies and Crackers. Midwest Biscuit Company, Inc., Burlington, Iowa.
Filed July 26, 1950, Serial No. 601,270. Published May 15, 1951. Class 46.

549,616. Salted Nuts and Nut Meats. The Kelling Nut Co., Chicago, Ill.
Filed July 29, 1950, Serial No. 601,441. Published July 24, 1951. Class 46.

549,617. Electro-Magnetic Apparatus—Namely, Variometers and Induction Regulators. Muirhead & Co. Limited, Beckenham, Kent, England.
Priority under Sec. 44(d). British Registration No. 687,090, filed Mar. 27, 1950.
Filed Aug. 3, 1950, Serial No. 601,684. Published June 26, 1951. Class 21.

549,618. Electric and Non-Electric Razors and Parts Thereof. Industrie A. G. Allegro, Emmenbrucke, Lucerne, Switzerland.
Priority under Sec. 44(d). Swiss Registration No. 133,412, filed May 1, 1950.
Filed Aug. 4, 1950, Serial No. 601,733. Published July 17, 1951. Class 23.

549,619. Fresh Citrus Fruits. Yorba Orange Growers Association, Anaheim, Calif.
Filed Aug. 7, 1950, Serial No. 601,857. Published May 15, 1951. Class 46.

549,620. Fluid Milk. The Borden Company, New York, N. Y.
Filed Aug. 12, 1950, Serial No. 602,119. Published June 26, 1951. Class 46.

549,621. Chocolate Flavored Milk Drink. Rochester Dairy Cooperative, Rochester, Minn.
Filed Aug. 12, 1950, Serial No. 602,124. Published July 3, 1951. Class 46.

549,622. Fresh Vegetables. W. W. Miller, San Diego, Calif.
Filed Aug. 14, 1950, Serial No. 602,159. Published June 5, 1951. Class 46.

549,623. Electrically Operated Apparatus and Tools—Namely, Portable Drills, Saws, Portable Hand Drills and Sanding and Buffing Attachments Therefor Sold in a Kit as a Unit, Racks and Stands Specially Designed for Holding Portable Hand Drills in Operation, and Electric Motors. Portable Electric Tools, Inc., Chicago, Ill.
Filed Aug. 15, 1950, Serial No. 602,214. Published July 10, 1951. Class 21.

549,624. Peanut Butter Sandwiches Made From Wheat Crackers. Taylor Food Company, Raleigh, N. C.
Filed Aug. 15, 1950, Serial No. 602,230. Published June 19, 1951. Class 46.

549,625. Pickles and Pickle Relish. Foods, Incorporated, New London, Wis.
Filed Aug. 16, 1950, Serial No. 602,255. Published July 10, 1951. Class 46.

549,626. Auxiliary Toilet Seats for Infants. Waukegan Baby Seat Co., Inc., Waukegan, Ill.
Filed Aug. 16, 1950, Serial No. 602,296. Published July 10, 1951. Class 13.

549,627. Corrosion Shields—Namely, Pliable Impervious Coverings for Pipe Joints, and Insulating Metal Pipe Couplings. Dresser Industries, Inc., Dallas, Tex.
Filed Aug. 17, 1950, Serial No. 602,311. Published July 17, 1951. Class 13.

549,628. Canned Fruits and Canned Vegetables. Kings County Packing Company, Ltd., San Francisco, Calif.
Filed Aug. 18, 1950, Serial No. 602,408. Published July 10, 1951. Class 46.

549,629. Canned Kadota Figs. Kings County Packing Company, Ltd., San Francisco, Calif.
Filed Aug. 18, 1950, Serial No. 602,409. Published July 3, 1951. Class 46.

549,630. Synthetic Brush Fibers. The Fuller Brush Company, Hartford, Conn.
Filed Aug. 22, 1950, Serial No. 602,552. Published July 17, 1951. Class 1.

549,631. Canned Pineapple and Canned Pineapple Juice for Food Purposes. Hidalgo Distributing Company, McAllen, Tex.
Filed Aug. 22, 1950, Serial No. 602,556. Published July 3, 1951. Class 46.

549,632. Coal. Randall Fuel Company Incorporated, Atlanta, Ga.
Filed Aug. 23, 1950, Serial No. 602,629. Published July 17, 1951. Class 1.

549,633. Spark Plug Adapters. Schole Industries, Brooklyn, N. Y.
Filed Aug. 23, 1950, Serial No. 602,641. Published July 17, 1951. Class 21.

549,634. Preparations Useful in the Prevention and Treatment of Bacterial Infections and Allergic Manifestations, Etc. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed Aug. 23, 1950, Serial No. 602,649. Published July 3, 1951. Class 18.

549,635. Salted Nuts. The Kelling Nut Co., Chicago, Ill.
Filed Aug. 24, 1950, Serial No. 602,701. Published July 10, 1951. Class 46.

549,636. X-Ray Apparatus, and More Particularly an X-Ray Examination Table for Supporting a Patient During a Diagnostic Examination. Westinghouse Electric Corporation, East Pittsburgh, Pa., and Baltimore, Md.
Filed Aug. 25, 1950, Serial No. 602,792. Published June 26, 1951. Class 44.

549,637. Sheathed Electrical Connectors Particularly Adapted for Use in Ignition Circuits. National Products Corporation, Boston and Waltham, Mass.
Filed Aug. 30, 1950, Serial No. 602,967. Published June 26, 1951. Class 21.

549,638. Rice. Adolphus Rice Mills, Inc., Houston, Tex.
Filed Aug. 31, 1950, Serial No. 602,991. Published June 5, 1951. Class 46.

549,639. Electrically Heated and Electrically Operated Donut Machines. Tom Thumb Do-Nut Corporation, Hollywood, Calif.
Filed Sept. 1, 1950, Serial No. 603,091. Published June 26, 1951. Class 21.

549,640. Automatic Electric Dishwashers and Combined Sinks and Electric Dishwashers. Mullins Manufacturing Corporation, Salem and Warren, Ohio.
Filed Sept. 2, 1950, Serial No. 603,123. Published July 3, 1951. Class 21.

549,641. Ferro-Magnetic Alloy Material, the Specific Form of Which is a Magnetic Core Configuration, for Use in Electrical Equipment and Magnetic Equipment. Edward A. Gaugler, Chevy Chase, Md.
Filed Sept. 7, 1950, Serial No. 603,227. Published June 26, 1951. Class 21.

549,642. Cured Ham, Red Pepper and Paprika Coated. Plymouth Rock Provision Co., Inc., New York, N. Y.
Filed Sept. 7, 1950, Serial No. 603,251. Published June 12, 1951. Class 46.

549,643. Canned Cat Food Prepared From Fish. Usen Canning Co.; also doing business as Irving Canning Co., Boston, Mass.
Filed Sept. 12, 1950, Serial No. 603,467. Published July 24, 1951. Class 46.

549,644. Power Mowing Machines. Paul W. Hainke, doing business as The Paul Hainke Mfg. Co., Hutchinson, Kans., assignor to The Paul Hainke Mower Corporation, Inc., Hutchinson, Kans., a corporation of Kansas.
Filed Sept. 14, 1950, Serial No. 603,526. Published June 19, 1951. Class 23.

549,645. Concrete Burial Vaults. American Vault Company, Detroit, Mich.
Filed Sept. 16, 1950, Serial No. 603,626. Published July 24, 1951. Class 2.

549,646. Vaginal Cleansing or Body Cavity Irrigating Apparatus. Cole-Whit Co., Inc., Charlotte, N. C.
Filed Sept. 21, 1950, Serial No. 603,836. Published July 3, 1951. Class 44.

549,647. Electrical Apparatus and Equipment in a Correlated System for Posting, Etc. The Union Switch and Signal Company, Swissvale, Pa.
Filed Sept. 23, 1950, Serial No. 603,947. Published July 3, 1951. Class 21.

549,648. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,000. Published July 24, 1951. Class 2.

549,649. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,001. Published July 24, 1951. Class 2.

549,650. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,004. Published July 24, 1951. Class 2.

549,651. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,005. Published July 24, 1951. Class 2.

549,652. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,006. Published July 24, 1951. Class 2.

549,653. Paper Bags. International Paper Company, New York, N. Y.
Filed Sept. 26, 1950, Serial No. 604,007. Published July 24, 1951. Class 2.

549,654. Paper Board Lacquered or Varnished, Commonly Referred to as "Spot Crown Paper" and "Cap Liner Paper," Used for the Production of Lining Discs for Crown Caps, Threaded Caps, Screw Caps, Lug Caps, and Molded Caps. Standard Insulation Company, East Rutherford, N. J.
Filed Sept. 27, 1950, Serial No. 604,108. Published July 17, 1951. Class 1.

549,655. Anoscopes and Rectoscopes. Rectalist, Inc., Philadelphia, Pa.
Filed Sept. 13, 1950, Serial No. 604,127. Published July 3, 1951. Class 44.

549,656. Steam Jet Ejectors. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y.
Filed Oct. 3, 1950, Serial No. 604,389. Published July 3, 1951. Class 23.

549,657. Steam Jet Ejectors. Ross Heater & Manufacturing Company, Inc., Buffalo, N. Y.
Filed Oct. 3, 1950, Serial No. 604,391. Published July 3, 1951. Class 23.

549,658. Metal Rolls for Paper-Making Machinery; Parts of Marine Machinery—Namely, Sleeves, Liners, Bushings, and Oil Rings; Miscellaneous Metal Machinery Parts—Namely, Bushings, Cylinders, Liners, Sleeves, Guides, Rolls, and Rotors. Sandusky Foundry & Machine Co., Sandusky, Ohio.
Filed Oct. 4, 1950, Serial No. 604,450. Published July 10, 1951. Class 23.

549,659. Charcoal. Crossett Chemical Company, Crossett, Ark.
Filed Oct. 6, 1950, Serial No. 604,521. Published July 3, 1951. Class 1.

549,660. Paper and Creped Cellulose Wadding, Both Treated With a Resin or Polymer or a Combination Thereof for Conversion Into Various Articles of Manufacture. Kimberly-Clark Corporation, Neenah, Wis.
Filed Oct. 7, 1950, Serial No. 604,580. Published July 17, 1951. Class 1.

549,661. Metal Rods and Racks Mounted on a Wall, Door or Other Supporting Structure for Holding Clothing, Linens, Kitchen Utensils, Carpet Sweepers, Table, Chair and Ironing Pads, Sporting Equipment, Umbrellas and Canes, Magazines, Newspapers and Books, Ear Rings, Spectacles, Handbags, Pocketbooks. Berkeley Industries, Jersey City, N. J.
Filed Oct. 11, 1950, Serial No. 604,717. Published July 31, 1951. Class 13.

549,662. Analgesic Pharmaceutical Preparation. Crookes Laboratories, Inc., New York, N. Y.
Filed Oct. 12, 1950, Serial No. 604,770. Published July 3, 1951. Class 18.

549,663. Gift Packages of Fresh Apples or of Fresh Pears, or of the Two Combined. Richey & Gilbert Company, doing business under the name Snow Mountain Orchard, Yakima, Wash.
Filed Oct. 14, 1950, Serial No. 604,931. Published July 10, 1951. Class 46.

549,664. Electric Toaster. Bar-Brook Manufacturing Co., Inc., Shreveport, La.
Filed Oct. 16, 1950, Serial No. 604,950. Published June 26, 1951. Class 21.

549,665. Metallic Tubing Having a Protective Coating of Vinyl Resin or the Like. Jones & Laughlin Steel Corporation, Pittsburgh, Pa.
Filed Oct. 23, 1950, Serial No. 605,308. Published July 24, 1951. Class 13.

549,666. Electric Irons. The L. B. Price Mercantile Co., St. Louis, Mo.
Filed Oct. 25, 1950, Serial No. 605,438. Published June 26, 1951. Class 21.

549,667. Milling Cutters as Elements of Machines for Forming or Sharpening the Teeth of Linter Saws. Butters Manufacturing Company, Atlanta, Ga.
Filed Oct. 27, 1950, Serial No. 605,464. Published July 17, 1951. Class 23.

549,668. Apparatus for Applying Caps or Covers to Containers, Commonly Referred to as Capping Machines. The Kinex Company, Incorporated, Needham Heights, Mass.
Filed Oct. 26, 1950, Serial No. 605,519. Published June 19, 1951. Class 23.

549,669. Fresh Vegetables. Parks & Brock, Lompoc, Calif.
Filed Oct. 30, 1950, Serial No. 605,605. Published July 24, 1951. Class 46.

549,670. Plumbers' Supply Specialties—Namely, Bead Chain Stoppers, Sink Suction Stoppers, Toilet Tank Balls, Closet Seat Bumpers, and Furnace Bulbs. The H. O. Canfield Co., Bridgeport, Conn.
Filed Oct. 31, 1950, Serial No. 605,630. Published July 10, 1951. Class 13.

549,671. Separable Slide Fasteners. Harry Levitas, Inc., New York, N. Y.
Filed Oct. 31, 1950, Serial No. 605,662. Published July 10, 1951. Class 13.

549,672. Automatic and Semi-Automatic Metal Working Machine Tools for Turning, Boring, and Facing Operations. National Automatic Tool Company, Inc., Richmond, Ind.
Filed Nov. 2, 1950, Serial No. 605,805. Published July 3, 1951. Class 23.

549,673. Valves for Water, Steam and Gas as Used in Pipe Lines; Cocks, Pipe-Fittings—Namely, Elbows, T's, Crosses and Other Fittings Which Serve as Pipe Connections but Which Cannot Be Closed or Opened To Control the Flow of Fluid Through the Pipes, Etc. The Lunkenheimer Company, Cincinnati, Ohio.
Filed Nov. 2, 1950, Serial No. 605,834. Published July 17, 1951. Class 13.

549,674. Canned Vegetables. Bennett-Ray Canning Company, Pharr, Tex.
Filed Nov. 7, 1950, Serial No. 605,984. Published July 31, 1951. Class 46.

549,675. Chains, Chain Hooks, and Chain Load Binders. Peerless Steel Company, New York and Maspeth, N. Y.
Filed Nov. 7, 1950, Serial No. 606,045. Published July 17, 1951. Class 13.

549,676. Kitchen Cabinets in Various Sizes of Preformed Units of Drawers and Shelving, With Sinks and Counter Tops Assembled Therewith. Shirley Corporation, Indianapolis, Ind.
Filed Nov. 7, 1950, Serial No. 606,054. Published July 10, 1951. Class 13.

549,677. Bicycle Horns. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,126. Published July 3, 1951. Class 23.

549,678. Macaroni and Spaghetti. Hunt Foods, Inc., Fullerton and South San Francisco, Calif.
Filed Aug. 17, 1950, Serial No. 606,190. Published July 10, 1951. Class 46.

549,679. Dolls. Ideal Novelty & Toy Co., Hollis, N. Y., now by change of name Ideal Toy Corporation.
Filed Nov. 13, 1950, Serial No. 606,301. Published July 24, 1951. Class 22.

549,680. Upper Cylinder and Valve Lubricant To Be Added to Fuel in Automotive Engines. Bowes "Seal-Fast" Corporation, Indianapolis, Ind.
Filed Nov. 14, 1950, Serial No. 606,364. Published July 3, 1951. Class 15.

549,681. Textile Fiber Combing Machines. The Terrell Machine Company, Charlotte, N. C.
Filed Nov. 14, 1950, Serial No. 606,400. Published July 3, 1951. Class 23.

549,682. Bath Bubbling and Perfuming Compounds. Schratz Products, Detroit, Mich.
Filed Nov. 16, 1950, Serial No. 606,494. Published July 3, 1951. Class 51.

549,683. Lubricating Oils and Greases. Bigham Gin Supply Co., Lubbock, Tex.
Filed Nov. 27, 1950, Serial No. 606,967. Published July 3, 1951. Class 15.

549,684. Sewing Machines. Morse Sewing Machine and Supply Corp., New York, N. Y.
Filed Dec. 4, 1950, Serial No. 607,259. Published July 17, 1951. Class 23.

549,685. Cathode Ray Tubes. Sylvania Electric Products Inc., New York, N. Y.
Filed Dec. 4, 1950, Serial No. 607,271. Published July 10, 1951. Class 21.

549,686. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Dec. 16, 1950, Serial No. 607,737. Published July 17, 1951. Class 42.

549,687. Electrical Condensers. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,772. Published July 10, 1951. Class 21.

549,688. Resistors. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,773. Published July 10, 1951. Class 21.

549,689. Electrical Condensers. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,774. Published July 10, 1951. Class 21.

549,690. Electrical Condensers. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,775. Published July 10, 1951. Class 21.

549,691. Electrical Condensers. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,776. Published July 10, 1951. Class 21.

549,692. Electrical Condensers. Sprague Electric Company, North Adams, Mass.
Filed Dec. 16, 1950, Serial No. 607,777. Published July 10, 1951. Class 21.

549,693. Wooden Handle Sticks for Suckers. Joe Lowe Corporation, New York, N. Y.
Filed Jan. 2, 1951, Serial No. 608,279. Published July 31, 1951. Class 13.

549,694. Electric Irons. The Winsted Hardware Manufacturing Company, Winsted, Conn.
Filed Jan. 9, 1951, Serial No. 608,582. Published July 17, 1951. Class 21.

549,695. Window Control Springs. Leidgen Specialty Company, Oconomowoc, Wis.
Filed Jan. 26, 1951, Serial No. 609,302. Published July 24, 1951. Class 13.

549,696. Board Game Played With Movable Pieces. Frank J. Tatar, doing business as Frank J. Tatar Company, Buffalo, N. Y.
Filed Jan. 27, 1951, Serial No. 609,348. Published July 24, 1951. Class 22.

549,697. Synchronous Magnetic Tape Sound Recorders. Fairchild Recording Equipment Corporation, Whitestone, N. Y.
Filed Feb. 5, 1951, Serial No. 609,637. Published July 17, 1951. Class 21.

549,698. Synchronous Magnetic Tape Sound Recorders. Fairchild Recording Equipment Corporation, Whitestone, N. Y.
Filed Feb. 5, 1951, Serial No. 609,638. Published July 17, 1951. Class 21.

549,699. Condensers, Particularly Small Ceramic Condensers. Radio Materials Corporation, Chicago, Ill.
Filed Feb. 5, 1951, Serial No. 609,665. Published July 17, 1951. Class 21.

549,700. Fishing Rods. Researchers Universal, Inc., Sonoma, Calif.
Filed Mar. 19, 1951, Serial No. 611,532. Published July 24, 1951. Class 22.

549,701. Garment Washing Machines of the Portable Type, Wringer Type, Spinner Type, and Automatic Type. Appliance Manufacturing Company, Alliance, Ohio.
Filed Mar. 24, 1951, Serial No. 611,733. Published July 31, 1951. Class 24.

549,702. Combined Compass, Match and Map Case, and Whistle. Ralph H. Boos, doing business under the name and style Kumbak Company, Minneapolis, Minn.
Filed Apr. 14, 1951, Serial No. 612,649. Published July 31, 1951. Class 22.

Collective Marks

549,703. Fresh Apples. Skookum Packers Association, Wenatchee, Wash.
Filed Feb. 20, 1948, Serial No. 550,266. Published July 10, 1951. Class 46.

549,704. Hops. Washington State Hop Producers, Inc., Yakima, Wash.
Filed Feb. 5, 1949, Serial No. 573,389. Published July 3, 1951. Class 1.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

549,705. (Class 38. Prints and Publications.) Frank D. Thompson, Chicago, Ill. Original filed, act of 1905, June 5, 1947; amended to application under act of 1946, Supplemental Register, July 17, 1951, Serial No. 523,625.

POPULAR... HOME... AMATEUR....
RECORDING

For Magazine Published Periodically.
Claims use since April 1947.

549,706. (Class 21. Electrical Apparatus, Machines, and Supplies.) Eriez Manufacturing Company, Erie, Pa. Original filed, act of 1946, Principal Register, June 22, 1948; amended to application, Supplemental Register, June 6, 1951, Serial No. 559,914.

GIANT

For Non-Electric Permanent Magnetic Separators for Separating Ferrous From Non-Ferrous Materials.
Claims use since Mar. 1, 1947.

549,707. (Class 21. Electrical Apparatus, Machines, and Supplies.) Eriez Manufacturing Company, Erie, Pa. Original filed, act of 1946, Principal Register, June 22, 1948; amended to application, Supplemental Register, June 6, 1951, Serial No. 559,915.

JUMBO

For Non-Electric Permanent Magnet Separators for Separating Ferrous From Non-Ferrous Materials.
Claims use since June 1, 1945.

549,708. (Class 21. Electrical Apparatus, Machines, and Supplies.) Harry Altman, Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Nov. 10, 1948; amended to application, Supplemental Register, Feb. 13, 1951, Serial No. 568,483.

ANSAFONE

For Electrical Sound and Recording Apparatus Used for Automatically Answering Telephones.
Claims use since June 1940.

549,709. (Class 37. Paper and Stationery.) Frankel Carbon & Ribbon Company, also doing business as General Stencil Manufacturing Company, Denver, Colo. Original filed, act of 1946, Principal Register, Dec. 2, 1948; amended to application, Supplemental Register, June 29, 1951, Serial No. 569,954.



The drawing is lined for red and green.
For Duplicating Stencils.
Claims use since March 1937.

549,710. (Class 39. Clothing.) Hy-Grade Sportswear Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 10, 1948; amended to application, Supplemental Register, Jan. 4, 1951, Serial No. 570,303.

Hy-Grade
TRUE TO ITS NAME

For Men's Sport Coats, Sport Suits, Casual Coats, Casual Suits, Slacks, Tuxedos, Full Dress Suits, Summer Formal Suits and Coats, and Waistcoats.
Claims use since Jan. 20, 1944.

549,711. (Class 38. Prints and Publications.) California Farmer, San Francisco, Calif. Original filed, act of 1946, Principal Register, Jan. 7, 1949; amended to application, Supplemental Register, July 2, 1951, Serial No. 571,791.

California Farmer

Applicant claims ownership of Registrations Nos. 101,623 and 106,357.
For Magazine Published Bi-Weekly.
Claims use since Feb. 14, 1948.

549,712. (Class 40. Fancy Goods, Furnishings, and Notions.) Annie Agbay, doing business as Agbay Garter Company, Worcester, Mass. Original filed, act of 1946, Principal Register, Feb. 26, 1949; amended to application, Supplemental Register, Mar. 2, 1951, Serial No. 574,944.



For Garter Fasteners.
Claims use since Feb. 11, 1949.

549,713. (Class 52. Detergents and Soaps.) Best Effect Chemical Co., Inc., Hackensack, N. J. Original filed, act of 1949, Principal Register, May 18, 1949; amended to application, Supplemental Register, Sept. 20, 1950, Serial No. 579,012.



For Stain Removers Which Remove Stains and Rust From Metals and Metallic Surfaces.
Claims use since Jan. 19, 1949.

549,714. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Carleton Schaller & Co., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 3, 1949; amended to application, Supplemental Register, Feb. 3, 1951, Serial No. 579,947.

CARLTON

For Tablecloths and Napkins of Rayon and Cotton.
Claims use since Jan. 11, 1945.

549,715. (Class 5. Adhesives.) Black Magic Adhesives, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 10, 1949; amended to application, Supplemental Register, Oct. 10, 1950, Serial No. 584,657.



For Adhesive Liquid for Forming Waterproof Patches on Damaged Waterproof Fabric Surfaces—Namely, Truck Covers, Awnings, Canvas Tents, and Other Like Surfaces.
Claims use since July 1, 1949.

549,716. (Class 46. Foods and Ingredients of Foods.) William M. McNabb, trading as Jeld, Ltd., San Francisco, Calif. Original filed, act of 1946, Principal Register, Oct. 17, 1949; amended to application, Supplemental Register, Jan. 17, 1951, Serial No. 586,417.

JELD

For Pectin Preparation for Use in Making Jelly.
Claims use since September 1947.

549,717. (Class 38. Prints and Publications.) Leopold Henri Weber, Strasbourg-Neudorf, Bas-Rhin, France. Original filed, act of 1946, Principal Register, Nov. 2, 1949; amended to application Supplemental Register, July 18, 1951, Serial No. 587,218.

Foire Européenne Strasbourg

The English translation of the mark is "European Fair Strasbourg." Applicant claims ownership of French Reg. Nos. 2,473, dated Dec. 1, 1932, and 4,440, dated Nov. 29, 1947.
For Printed Folders, Floor Plans, and Maps.

549,718. (Class 21. Electrical Apparatus, Machines, and Supplies.) George J. Palmer, Long Beach, Calif. Original filed, act of 1946, Principal Register, Nov. 5, 1949; amended to application, Supplemental Register, Jan. 10, 1951, Serial No. 587,395.



For Electric Non-Labeled and Loose Labeled Can Detecting and Ejecting Apparatus for Use in Canneries.
Claims use since Feb. 14, 1949.

549,719. (Class 22. Games, Toys, and Sporting Goods.) Newton Line Company Incorporated, Homer, N. Y. Filed Dec. 6, 1949, Serial No. 588,880.

SURF SQUID

For Fishing Lines.
Claims use since Dec. 1, 1948.

549,720. (Class 1. Raw or Partly Prepared Materials.) W. G. Duncan Coal Company, Inc., Greenville, Ky. Original filed, act of 1946, Principal Register, Feb. 10, 1950; amended to application, Supplemental Register, Apr. 11, 1951, Serial No. 592,261.



For Coal.
Claims use since Jan. 16, 1950.

549,721. (Class 1. Raw or Partly Prepared Materials.) Northrup, King & Co., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Mar. 6, 1950; amended to application, Supplemental Register, Nov. 13, 1950, Serial No. 593,495.

EARBRED

Applicant claims ownership of Registration No. 420,664.
For Seeds for Producing Hybrid Ears of Corn.
Claims use since Feb. 1, 1945.

549,722. (Class 38. Prints and Publications.) Gravure Technical Association, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 23, 1950; amended to application, Supplemental Register, June 25, 1951, Serial No. 594,456.



For Magazines.
Claims use since Jan. 10, 1950.

549,723. (Class 1. Raw or Partly Prepared Materials.) The Denver Wholesale Florists Company, Denver, Colo. Original filed, act of 1946, Principal Register, Mar. 27, 1950; amended to application, Supplemental Register, Mar. 15, 1951, Serial No. 594,697.

Crowley's Sim

The word "Sim" is disclaimed.
For Blooms, Plants, Cuttings, Seedlings, and Cut Flowers of a New Variety of Carnation (Dianthus Caryophyllus).
Claims use since Feb. 18, 1950.

549,724. (Class 22. Games, Toys, and Sporting Goods.) Joseph Darula, Jr., Kenosha, Wis. Original filed, act of 1946, Principal Register, Mar. 31, 1950; amended to application, Supplemental Register, May 23, 1951, Serial No. 594,956.

GUIDE GRIP

For Bowling Balls.
Claims use since Feb. 16, 1950.

549,725. (Class 38. Prints and Publications.) Industrial Laboratories Publishing Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 14, 1950; amended to application, Supplemental Register, July 21, 1951, Serial No. 595,724.

industrial laboratories

For Publication Issued Monthly.
Claims use since Feb. 15, 1950.

549,726. (Class 42. Knitted, Netted, and Textile Fabrics, and Substitutes Therefor.) Stein-Tex, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, Apr. 19, 1951, Serial No. 598,216.



For Cotton Piece Goods.
Claims use since June 1945.

549,727. (Class 52. Detergents and Soaps.) Jack Cohan, doing business under the name of Curlcare Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 22, 1950; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 599,551.

CURL-CARE

For Cream Oil Shampoo.
Claims use since Apr. 3, 1950.

549,728. (Class 46. Foods and Ingredients of Foods.) Vegetable Oil Products Company, Inc., Wilmington, Calif. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, July 10, 1951, Serial No. 600,709.

RICHENOL

For Vegetable Shortening.
Claims use since May 1939.

549,729. (Class 38. Prints and Publications.) Laurel Publications, Plainfield, N. J. Original filed, act of 1946, Principal Register, July 25, 1950; amended to application, Supplemental Register, July 17, 1951, Serial No. 601,219.



For Periodical Publication.
Claims use since July 11, 1950.

549,730. (Class 6. Chemicals and Chemical Compositions.) C. A. Woolsey Paint & Color Co. Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Aug. 14, 1950; amended to application, Supplemental Register, Aug. 8, 1951, Serial No. 602,178.

"SAIL-GARD"

For Chemical Preparation Recommended for Use as a Mildew and Rot Preventative and as a Preservative for Canvas, Sails, Halyards, Lines, Sail Covers, and Other Non-Synthetic Fiber Material.
Claims use since Apr. 10, 1950.

549,731. (Class 21. Electrical Apparatus, Machines, and Supplies.) Don Good, Inc., South Pasadena, Calif. Original filed, act of 1946, Principal Register, Sept. 27, 1950; amended to application, Supplemental Register, Aug. 2, 1951, Serial No. 604,079.

GOODLINE AIRLEAD

For Feed-in-Line for Television Receiving Sets.
Claims use since July 3, 1950.

549,732. (Class 39. Clothing.) Adelaar Bros., Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Feb. 7, 1951; amended to application, Supplemental Register, Aug. 9, 1951, Serial No. 609,709.

MIX-MATCHES

For Girls', Misses', and Ladies' Skirts and Blouses.
Claims use since Apr. 3, 1950.

Service Marks

549,733. (Class 106. Material Treatment.) Waterbury Companies, Incorporated, Waterbury, Conn. Original filed, act of 1946, Principal Register, Feb. 26, 1948; amended to application, Supplemental Register, June 10, 1950, Serial No. 550,634.

Waterbury

Applicant claims ownership of Registration No. 413,362.
For Custom Molding in Plastics and Metal Products in Accordance With Specifications.
Claims use since May 1, 1946.

549,734. (Class 102. Insurance and Financial.) Fred J. Summer, doing business as The Summer Agency, Sacramento, Calif. Original filed, act of 1946, Principal Register, Aug. 5, 1948; amended to application, Supplemental Register, Feb. 7, 1951, Serial No. 563,572.

"WHERE INSURANCE IS A BUSINESS"
(not a side line)

For General Insurance Brokerage.
Claims use since Jan. 1, 1924.

TRADE-MARK REGISTRATIONS RENEWED

37,452. COQUETTE. Registered Dec. 10, 1901. The J. B. Williams Company, Glastonbury, Conn. Re-renewed Dec. 10, 1951, to The Andrew Jergens Company, Cincinnatti, Ohio, a corporation of Ohio. Hair and Beard Preparations, With the Exception of Soap. Class 51.

82,739. Z. Registered July 18, 1911. William H. Zinsser. Re-renewed July 18, 1951, to William Zinsser & Co. Incorporated, New York, N. Y., a corporation of New York. Shellac and Other Varnishes. Class 16.

82,876. "W. L. DOUGLAS" AND PORTRAIT. Registered Aug. 1, 1911. W. L. Douglas Shoe Co., Portland, Maine, Boston and Brockton, Mass., New York, N. Y., Denver, Colo., Buffalo, N. Y., and Philadelphia, Pa. Re-renewed Aug. 1, 1951, to W. L. Douglas Shoe Company, Boston, Mass., and Nashville, Tenn., a corporation of Massachusetts. Leather Boots and Shoes. Class 39.

82,954. PEPLUM. Registered Aug. 8, 1911. Atuyer, Bianchini, Ferier & Co., Lyon, France. Re-renewed Aug. 8, 1951, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York. Silk Piece Goods. Class 42.

82,959. SNOWFLAKE. Registered Aug. 8, 1911. Brown Durrell Co. Re-renewed Aug. 8, 1951, to John Corrigan, Boston, Mass. Handkerchiefs. Class 39.

83,390. "K5" AND DESIGN. Registered Sept. 12, 1911. The Carborundum Company. Re-renewed Sept. 12, 1951, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Abrasive Articles, Such as Wheels, Sharpening-Stones, Cloth, Papers, and Grits and Grains. Class 4.

83,571. AZTEC. Registered Sept. 26, 1911. A. F. Gallun & Sons. Re-renewed Sept. 26, 1951, to A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware. Vegetable-Tanned Leather Made of Calf, Kip, and Cattle Hides. Class 1.

83,572. DOMINO. Registered Sept. 26, 1911. A. F. Gallun & Sons. Re-renewed Sept. 26, 1951, to A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware. Chrome-Tanned Leather Made of Calf, Kip, and Cattle Hides. Class 1.

83,573. VIKING. Registered Sept. 26, 1911. A. F. Gallun & Sons. Re-renewed Sept. 26, 1951, to A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware. Vegetable-Tanned Leather Made of Calf, Kip, and Cattle Hides. Class 1.

83,630. "JABON CURATIVO DE REUTER" ETC. AND REPRESENTATION OF LABEL. Registered Oct. 3. 1911. Barclay & Barclay. Re-renewed Oct. 3, 1951, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. Soap. Class 52.

84,108. "PASTILLAS VEGETALES DE KEMP, ETC. and Representation of Label. Registered Nov. 7, 1911. Lanman & Kemp. Re-renewed Nov. 7, 1951, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. Vegetable Pastils for Expelling Worms From the System. Class 18.

84,109. "AZUCARABAS" ETC. AND REPRESENTATION OF LABEL. Registered Nov. 7, 1911. Lanman & Kemp. Re-renewed Nov. 7, 1951, to Lanman & Kemp-Barclay & Co., Incorporated, New York, N. Y., a corporation of New York. Cathartic Pills. Class 18.

84,148. HYLO. Registered Nov. 7, 1911. Warren Webster & Company, Camden, N. J., a corporation of New Jersey. Re-renewed Nov. 7,1951. Steam heating and Ventilating Apparatus, Etc. Class 34.

84,298. ENDURO. Registered Nov. 21, 1911: The United Steel Company, Canton, Ohio. Re-renewed Nov. 21. 1951, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey. Steel Bars, Slabs, and Billets. Class 14.

84,521. PHOENIX. Registered Dec. 19, 1911. Phoenix Knitting Works. Re-renewed Dec. 19, 1951, to Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin. Hose. Class 39.

275,160. "APPERT" ETC. AND PORTRAIT. Registered Sept. 16, 1930. Raymond Chevallier-Appert. Renewed Sept. 16, 1950, to Bernard Charles Gerard Marie du Cauze de Nazelle, Paris, France. Liquid and Solid Materials Used for Filtering, Clarifying, and Preserving Wines, Beers, and Other Beverages, Alcoholic and Non-alcoholic. Class 6.

281,588. ESKIMO. Registered Mar. 24, 1931. A. F. Gallun & Sons Corporation. Renewed Mar. 24, 1951, to A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware. Leather. Class 1.

282,072. WILD WAVE. Registered Apr. 7, 1931. P. J. Carroll & Co. Limited, Dundalk, Ireland. Renewed Apr. 7, 1951, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England, a company incorporated under the laws of the Republic of Ireland. Smoking Tobaccos, Snuffs, and Cigarettes. Class 17.

282,076. SNOWCREST. Registered Apr. 7, 1931. P. J. Carroll & Co. Limited, Dundalk, Ireland. Renewed Apr. 7, 1951, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England, a company incorporated under the laws of the Republic of Ireland. Smoking Tobaccos, Snuffs, and Cigarettes. Class 17.

282,077. BOREEN. Registered Apr. 7, 1931. P. J. Carroll & Co. Limited, Dundalk, Ireland. Renewed Apr. 7, 1951, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England, a company incorporated under the laws of the Republic of Ireland. Smoking Tobaccos, Snuffs, and Cigarettes. Class 17.

282,078. OLD BOREEN. Registered Apr. 7, 1931. P. J. Carroll & Co. Limited, Dundalk, Ireland. Renewed Apr. 7, 1951, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England, a company incorporated under the laws of the Republic of Ireland. Smoking Tobaccos, Snuffs, and Cigarettes. Class 17.

282,083. FINBAR. Registered Apr. 7, 1931. P. J. Carroll & Co. Limited, Dundalk, Ireland. Renewed Apr. 7, 1951, to P. J. Carroll & Co. Limited, Dundalk, Ireland, and Liverpool, England, a company incorporated under the laws of the Republic of Ireland. Smoking Tobaccos, Snuffs, and Cigarettes. Class 17.

282,644. OLYMPIA. Registered Apr. 28, 1931. Europa Schreibmaschinen A. G., Erfurt, Germany. Renewed Apr. 28, 1951, to Olympia Buromaschinenwerke A. G., Wilhelmshaven, Germany, a corporation organized under the laws of Germany. Typewriters and Parts Thereof. Class 23.

284,328. "JERSEY" AND DESIGN. Registered June 23, 1931. The Jersey Ice Cream Products Corporation, Baltimore, Md. Renewed June 23, 1951, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. Ice Cream. Class 46.

284,477. "WARREN'S" AND DRAWING. Registered June 30, 1931. The Warren Featherbone Company, Three Oaks, Mich., a corporation of Michigan. Renewed June 30, 1951. Girdles, Garter Belts, Hose Supporters, and Dress Linings (Foundations). Class 39.

284,579. CHONGALETTA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,587. CHARDELLA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,588. CHARDALEEN. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,589. CHIBARA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,591. CHULANA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,658. FURLETTA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,766. FÉODALE. Registered July 7, 1931. Bianchini, Ferier, Lyon, France. Renewed July 7, 1951, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York. Piece Goods of Wool, Hair, Silk, Cotton, Hemp, Flax, Jute, Artificial Silk, Etc. Class 42.

284,787. MUTARA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,788. NEWCHONGA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,789. NEWCHONGELLA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,793. SANDJA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,794. TANCHA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

284,796. YAKANA. Registered July 7, 1931. Forstmann & Huffmann Company. Renewed July 7, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,127. JAM-BOY. Registered July 14, 1931. Jameson-Boyce Company, Binghamton, N. Y., a corporation of New York. Renewed July 14, 1951. Wheat Flour, Pastry Flour, Pancake Flour, Etc. Class 46.

285,157. FURGA. Registered July 14, 1931. Forstmann & Huffmann Company. Renewed July 14, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,169. "ENSO" AND DRAWING. Registered July 14, 1931. Enso-Gutzeit Osakeyhtio, Kotka, Finland. Renewed July 14, 1951, to Enso-Gutzeit Osakeyhtio, Helsingfors, Finland, a corporation organized under the laws of Finland. Cellulose. Class 1.

285,171. FILTROS. Registered July 14, 1931. Filtros Incorporated, Rochester, N. Y. Renewed July 14, 1951, to Filtros Incorporated, East Rochester, N. Y., a corporation of New York. White, Rigid, Uniformly Porous, Acid-Proof Mineral Substance Composed Essentially of Silica Which for Purposes of Most General Description May Be Termed an Artificial Stone. Class 1.

285,426. RITZY MAID. Registered July 28, 1931. Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Renewed July 28, 1951, Ladies', Misses', and Children's Woven and Knitted Underwear of Silk, Rayon, Cotton, Wool, or Combinations Thereof. Class 39.

285,491. "TABASCO" ETC. AND DESIGN LINED FOR RED AND GREEN. Registered July 28, 1931. McIlhenny Company, New Iberia, La., a corporation of Maine. Renewed July 28, 1951. Pepper Sauce. Class 46.

285,541. LINSPUN PRINTS. Registered July 28, 1931. Carson Pirie Scott & Co., Chicago, Ill. Renewed July 28, 1951, to Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri. Cotton Piece Goods. Class 42.

285,659. MANSION. Registered Aug. 4, 1931. E. L. Bruce Co., Memphis, Tenn., a corporation of Delaware. Renewed Aug. 4, 1951. Oak Flooring. Class 12.

285,818. CHARMELLEEN. Registered Aug. 11, 1931. Forstmann & Huffmann Company. Renewed Aug. 11, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,827. CHELLITA. Registered Aug. 11, 1931. Forstmann & Hoffmann Company. Renewed Aug. 11, 1951, to Forstmann Woolen Co., Passaic, N. J., a corporation of New Jersey. Woolen Piece Goods. Class 42.

285,884. HIGH STAKES. Registered Aug. 11, 1931. Chappel Bros., Inc., Rockford, Ill. Renewed Aug. 11, 1951, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey. Canned Meat and Cereals for Dogs, and All Carnivorous Animals. Class 46.

285,893. MEADOW GOLD. Registered Aug. 11, 1931. Beatrice Creamery Company. Renewed Aug. 11, 1951, to Beatrice Foods Co., Chicago, Ill., a corporation of Delaware. Milk and Cream. Class 46.

286,247. "TREZUR" AND DRAWING. Registered Aug. 25, 1931. Combine Hosiery Corporation, Wilmington, Del., and New York, N. Y. Renewed Aug. 25, 1951, to Aberle, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Hosiery. Class 39.

286,286. AUGUSTA SUMMERETTS. Registered Aug. 25, 1931. Augusta Knitting Corporation, Utica, N. Y., a corporation of New York. Renewed Aug. 25, 1951. Women's Underwear. Class 39.

286,346. "CHALLENGE" AND DESIGN LINED FOR YELLOW AND RED. Registered Aug. 25, 1931. Challenge Cream & Butter Association, Los Angeles, Calif., a corporation of California. Renewed Aug. 25, 1951. Butter. Class 46.

286,551. NITE LITE. Registered Sept. 1, 1931. Excelsior Varsity Underwear Corporation, Baltimore, Md. Renewed Sept. 1, 1951, to Varsity Pajamas, Incorporated, New York, N. Y., a corporation of Maryland. Men's Pajamas. Class 39.

286,668. FIBRAY. Registered Sept. 1, 1931. S. Slater & Sons, Inc. Renewed Sept. 1, 1951, to J. P. Stevens & Co., Inc., New York, N. Y., a corporation of Delaware. Piece Goods of Silk, Linen, Wool, or Pile Fabrics or Combinations Thereof Used for Dress Goods or Wearing Apparel. Class 42.

286,854. AUGUSTA WINTERETTS. Registered Sept. 8, 1931. Augusta Knitting Corporation, Utica, N. Y., a corporation of New York. Renewed Sept. 8, 1951. Women's Underwear. Class 39.

286,902. REPRESENTATION OF ABRASIVE WHEEL WITH CENTER LINED FOR GREEN. Registered Sept. 8, 1931. The Carborundum Company. Renewed Sept. 8, 1951, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Steel Center Abrasive Wheels. Class 4.

287,175. NORKA. Registered Sept. 15, 1931. The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio. Renewed Sept. 15, 1951. Fishing Reels. Class 22.

287,327. "ENSO" AND DRAWING. Registered Sept. 22, 1931. Enso-Gutzeit Osakeyhtio, Kotka, Finland. Renewed Sept. 22, 1951, to Enso-Gutzeit Osakeyhtio, Helsingfors, Finland, a corporation organized under the laws of Finland. Paper—Namely, Wrapping Paper, Manila Paper, Document, Print Paper, Etc. Class 37.

287,703. SILFRAX. Registered Oct. 6, 1931. The Carborundum Company. Renewed Oct. 6, 1951, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware. Pyrometer Tubes, Muffles. Class 26.

288,169. SHALER. Registered Oct. 20, 1931. The Shaler Company, Waupun, Wis., a corporation of Delaware. Renewed Oct. 20, 1951. Vehicle Tire and Tube Patching Materials. Class 35.

288,293. "MORRELL'S" AND DRAWING. Registered Oct. 20, 1931. John Morrell & Company, Ottumwa, Iowa, a corporation of Maine. Renewed Oct. 20, 1951. Lard (Manteca Pura de Cerdo). Class 46.

288,352. "THE TRUE FORM" ETC. Registered Oct. 27, 1931. Kom-Fut Arch Support Co., Inc., New York, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Arch Supports. Class 44.

288,494. MEMOIRES DE PARIS. Registered Oct. 27, 1931. The Andrew Jergens Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Oct. 27, 1951. Perfumes. Class 51.

289,405. NEIGHBORLY NEIGHBORS. Registered Nov. 24, 1931. The Associated Press, New York, N. Y., a corporation of New York. Renewed Nov. 24, 1951. Series of Cartoons. Class 38.

289,447. GYPTIANE. Registered Nov. 24, 1931. Bianchini, Ferier, Lyon, France. Renewed Nov. 24, 1951, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York. Piece Goods of Silk and Artificial Silk. Class 42.

289,473. UPJOHN. Registered Dec. 1, 1931. The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan. Renewed Dec. 1, 1951. Drugs, Medicines, and Pharmaceutical Preparations—Namely, Acetanilid, Etc. Class 18.

289,486. COL-O-JAR. Registered Dec. 1, 1931. Monad Paint and Varnish Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1951. Colors in Oil for Paints, Paint Pastes, or Paint Pigments. Class 16.

289,690. REPELLO. Registered Dec. 1, 1931. Mergenthaler Linotype Company, Brooklyn, N. Y., a corporation of New York. Renewed Dec. 1, 1951. Composition of Matter in the Nature of a Paint Consisting of a Lead Oxide and Beeswax To Be Used for Treating Metal Parts Such as the Pump Actuating Rod of the Melting Pot of a Type Bar, Etc. Class 16.

289,714. DIANA DANE. Registered Dec. 1, 1931. The Associated Press, New York, N. Y., a corporation of New York. Renewed Dec. 1, 1951. Series of Cartoons. Class 38.

289,819. ALLEGRO. Registered Dec. 8, 1931. Gilbert Paper Company, Menasha, Wis., a corporation of Wisconsin. Renewed Dec. 8, 1951. Writing Paper. Class 37.

289,918. "LINEN-TEX" AND DESIGN. Registered Dec. 15, 1931. Cohen, Goldman & Co. Inc., New York, N. Y. Renewed Dec. 15, 1951, to House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa., a corporation of Pennsylvania. Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Etc. Class 39.

289,951. FOXY FOLK. Registered Dec. 15, 1931. Grace W. Van Brunt, Belton, Mo. Renewed Dec. 15, 1951. Dolls' Clothing. Class 22.

289,958. EXEMPLAR. Registered Dec. 15, 1931. The Watson Company, Attleboro, Mass., a corporation of Massachusetts. Renewed Dec. 15, 1951. Sterling Silver Hollow Ware and Sterling Silver Flat Ware. Class 28.

290,008. "IMPERIAL" AND DRAWING. Registered Dec. 22, 1931. Imperial Type Metal Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 22, 1951. Compound Used as a Flux for Removing Dross From Type Metal. Class 52.

290,016. WEL-FUT. Registered Dec. 22, 1931. United Laboratories Inc., Chicago, Ill. Renewed Dec. 22, 1951, to Mathew Goldine, White Plains, N. Y. Liquid Preparation for the Feet and a Greaseless Preparation for the Skin, Particularly of the Feet. Class 51.

290,050. SLENDARE. Registered Dec. 22, 1931. Van Raalte Company, Inc., New York, N. Y., a corporation of New York. Renewed Dec. 22, 1951. Underwear of Knitted Fabric for Women and Children. Class 39.

290,089. REPRESENTATION OF FOUR SMALL RECTANGULAR ELEMENTS, ETC. Registered Dec. 22, 1931. Standard Brands Incorporated, New York, N. Y., a corporation of Delaware. Renewed Dec. 22, 1951. Phosphate and Lactate Mixture Suitable for Use With Sodium Bicarbonate for the Same Purpose as Baking Powder. Class 6.

290,105. AVALON. Registered Dec. 22, 1931. The Kroger Grocery & Baking Co., doing business as Wesco Foods Co. Renewed Dec. 22, 1951, to the Kroger Co., Cincinnati, Ohio, a corporation of Ohio. Domestic Ammonia and Liquid Bluing. Class 6.

290,139. EMARGOL. Registered Dec. 22, 1931. Emulsol Corporation, Chicago, Ill., a corporation of Illinois. Renewed Dec. 22, 1951. Emulsion and Margarine Improving Substances, Etc. Class 46.

290,145. SIGNATURE. Registered Dec. 22, 1931. Signature Hosiery Company, Inc., Philadelphia, Pa., and New York, N. Y. Renewed Dec. 22, 1951, to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania. Hosiery. Class 39.

290,172. SWEET PEA. Registered Dec. 22, 1931 Fidalgo Island Packing Company, Anacortes, Wash. Renewed Dec. 22, 1951, to Fidalgo Island Packing Company, Seattle, Wash., a corporation of Maine. Canned Salmon. Class 46.

290,179. TUBE-TEX. Registered Dec. 22, 1931. Tubular Textile Machinery Corporation, New York, N. Y. Renewed Dec. 22, 1951, to Tubular Textile Machinery Corporation, Woodside, N. Y., a corporation of New York. Machines for Treating Tubular Textile Fabrics. Class 23.

290,189. FOR HER . . . FROM HIM. Registered Dec. 22, 1931. Jean Patou, Inc., New York, N. Y., a corporation of New York. Renewed Dec. 22, 1951. Perfumes. Class 51.

290,233. EXTRALIN. Registered Dec. 22, 1931. Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana. Renewed Dec. 22, 1951. Liquid Liver Extract To Be Used in the Parenteral Treatment of Anemia of Various Kinds. Class 18.

TRADE-MARK REGISTRATIONS CANCELED AND SURRENDERED

293,023. S–T SAVES TIME. Registered Apr. 5, 1932. Rosa L. Williams, Janesville, Wis. Preparation for Polishing and Cleaning Furniture. Class 4. Canceled Aug. 17, 1951. Canc. No. 5697.

351,571. TRAIL BLAZER. Registered Nov. 2, 1937. Bofinger & Klingler, Inc., San Francisco, Calif. Sweaters and Sport Jackets. Class 39. Canceled Aug. 30, 1951. Canc. No. 5695.

398,953. SCENTINEL. Registered Dec. 8, 1942. Sidney Henry, doing business as S. H. Hirsch, New York, N. Y. Nail Polish and Perfume. Class 51. Canceled Aug. 30. 1951. Sec. 18.

408,469. SPARTON. Registered Aug. 15, 1944. Bray Chemical Co., Inc., Chicago, Ill. Powder for Cleaning and Scouring Purposes. Class 52. Canceled Aug. 24. 1951. Sec. 18.

411,718. ACADEMY AWARD. Registered Jan. 30, 1945. Jaffe Candy Co., Los Angeles, Calif. Candy. Class 46. Canceled Aug. 17, 1951. Canc. No. 5353.

435,716. ANGEL CHOIR. Registered Jan. 6, 1948. Richard Hudnut, New York, N. Y. Perfume. Class 51. Canceled Aug. 17, 1951. Canc. No. 5285.

516,460. "CROWN JEWEL" AND DESIGN. Registered Oct. 18, 1949. Crown Jewel Ware, Inc., Chicago, Ill. Copper Sheathed Cooking Pots and Pans. Class 13. Canceled Aug. 30, 1951. Sec. 18.

533,158. BLUE BIRD. Registered Nov. 7, 1950. Rae W. Russell, doing business as Blue Bird Mfg. Co., Long Island City, N. Y. Hand Operated Tire Pumps. Class 23. Canceled Aug. 14, 1951. Sec. 7(d).

544,981. "THE EPICUREANS CHOICE REESE OF CALIFORNIA ROC" AND DESIGN. Registered July 10, 1951. Reese of California, Inc., Los Angeles, Calif. Canned and Frozen Fish, Etc. Class 46. Canceled Sept. 11, 1951. Sec. 7(d).

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

435,640. NORIT. Registered Jan. 6, 1948. N. V. Algemeene Norit Maatschappij, doing business as General Norit Company, Limited, Amsterdam, Kingdom of the Netherlands, and Jacksonville, Fla. Active Carbon, Usually Treated Charred Organic Material To Be Used as an Absorbent or Adsorbent, Etc. Class 6. Corrected as follows: In the statement, column 1, line 15, "an" should be *and*; in the certificate, lines 4 and 5, "and Jacksonville, Florida," should be deleted; in the heading to the statement "and Jacksonville, Fla." should be deleted; and in the statement, column 2, line 16, after "company" *owns all the capital stock of American Norit Company, Inc., a Florida corporation* should be inserted.

505,342. HOLLISTER. Registered Jan. 4, 1949. Hollister Canning Company, Inc., Hollister, Calif. Canned Fruits and Canned Vegetables. Class 46. Corrected as follows: In the certificate, lines 3 and 13; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Inc.," should be deleted; and a new declaration wherein "Inc.," has been deleted has been substituted for the original.

521,719. SANTA ANA. Registered Mar. 7, 1950. Hollister Canning Company, Inc., Hollister, Calif. Canned Fruits and Canned Vegetables. Class 46. Corrected as follows: In the certificate, lines 3 and 14; in the heading to the registration; in line 1 of the statement; and in the printed signature, "Inc.," should be deleted; and a new declaration wherein "Inc.," has been deleted has been substituted for the original.

533,327. HELISPOON. Registered Nov. 14, 1950. Paul Niklaus Waldesbühl, Bremgarten, Aargau, Switzerland. Spoons and Spatulas for Surgical and Pharmaceutical Use. Class 44. Corrected as follows: In the certificate, line 4, and in the heading to the statement, line 1, address of inventor, for "Aargau, Switzerland," read *Bremgarten, Aartau, Switzerland.*

344,586. WAPPLER. Registered July 3, 1951. American Cystoscope Makers, Inc., New York, N. Y. Otoscopes and Components Thereof. Class 44. Corrected as follows: In the statement, second column, line 9, for "1910" read *1916*.

544,862. "EXTRA PRIMA." Registered July 10, 1951. Oval Manufacturing Company, Inc., New York, N. Y. Imitations of Precious Stones. Class 28. Corrected as follows: In the certificate, line 3; and in the statement, line 2, "Rhode Island" should be *New York*.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 394,054. Registered Mar. 17, 1942. (Classified in Class 46.) Kosher Desserts, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

KOJEL

The word "Jel" is disclaimed apart from the mark as shown.

For Gelatins and Gelatin Desserts.
Claims use since Aug. 21, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 230,597. Registered Feb. 24, 1931. Lawrence R. Teeple, Portland, Oreg. Republished by Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon.

SYNCROSTAT

For Thermostatically Controlled Electric Switches Especially Adapted for Controlling Heat-Generating Devices Such as Oil, Gas, and Solid Fuel Furnaces.
Claims use since Aug. 1, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 83,655. Registered Mar. 5, 1912. M. Goudard and Mennesson, Paris, France. Republished by Société Solex, Neuilly-sur-Seine (Seine), France, a society with limited liabilities organized under the laws of France.

SOLEX

For Carburetors.
Claims use since May 15, 1910.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 442,668. Registered Dec. 21, 1948. Hedwin Corporation, Baltimore, Md., a corporation of Maryland. Republished by registrant.

Hedwin

For Inflatable Mattresses and Cushions.
Claims use since Mar. 28, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 79,424. Registered Sept. 6, 1910. Aktiebolaget B. A. Hjorth & Co., Stockholm, Sweden, a corporation organized under the laws of Sweden. Republished by registrant.

PRIMUS

For Bath-Furnaces, Bath-Heaters, Benzin-Stoves, Baking-Ovens, Forges, Mechanically-Operated Blowing and Exhausting Fans, Gas-Stoves, Gas Furnaces, Heating-Stoves, Doors for Fire-Brick Stoves, Gas and Oil Lamps, Radiators and Parts Thereof, Spirit-Stoves, Petroleum-Stoves, Ranges, Forge-Furnaces, Dampers, Ironing-Stoves or Flat-Iron Heaters, Roasting-Ovens, Drying Kilns, Heating Furnaces for Buildings, Steam Boilers, Broilers, Grill-Irons, Cooking-Stoves.
Claims use since July 1892.

CLASS 37

PAPER AND STATIONERY

Reg. No. 342,769. Registered Jan. 26, 1937. Golco Sanitary System, Inc., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

GOLTEX

For Toilet Paper.
Claims use since June 12, 1936.

CLASS 39

CLOTHING

Reg. No. 83,537. Registered Sept. 26, 1911. Alexander Bros. Co., Savannah, Ga., a corporation of Georgia. Republished by registrant.

BLUE STEEL

For Overalls.
Claims use since Jan. 25, 1910.

Reg. No. 281,398. Registered Mar. 17, 1931. Clothiers Corporation, Chicago, Ill. Republished by Wickbury, Ltd., New York, N. Y., a corporation of Illinois.

Hi-Spot

For Men's and Boys' Suits, Overcoats, Trousers, Knickers, Hats, Caps, Flannel Shirts, Dress Shirts, Negligee Shirts, Work Shirts, Leather Gloves, Fabric and Rubber Raincoats, Overalls, Leather Shoes, Canvas Shoes, Leather and Fabric Slippers, Rubbers, Fabric and Rubber Galoshes, Sweaters, Cravats, Scarfs, Cut and Sewn Underwear, Knitted and Rayon Underwear; Cotton, Silk, Lisle and Wool Hosiery; Fabric and Rubber Suspenders, Garters, Leather and Fabric Belts for Outer Wear.
Claims use since Aug. 12, 1930.

Reg. No. 288,679. Registered Nov. 3, 1931. The Crofut & Knapp Company, South Norwalk, Conn. Republished by Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

BOHEMIAN

For Hats for Men.
Claims use since Apr. 24, 1931.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 83,997. Registered Oct. 31, 1911. Marshall Field & Company, Chicago, Ill. Republished by McCoy, Jones & Company, Inc., Chicago, Ill., a corporation of Illinois.

Gloria

For Safety-Pins.
Claims use since about Jan. 10, 1911.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 98,397. Registered July 14, 1914. Robert A. Johnston Company, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

CHARM

For Biscuits and Pastry.
Claims use since Jan. 1, 1909.

Reg. No. 288,388. Registered Oct. 27, 1931. The Rhodes Ranch Egg Company, Denver, Colo., a corporation of Colorado. Republished by registrant.

The words "Sealed Fresh" is disclaimed apart from the mark as shown.

For Eggs.
Claims use since Sept. 1, 1930.

Reg. No. 360,991. Registered Oct. 4, 1938. Desert Citrus Products Association, Tempe, Ariz. Republished by Yuma Mesa Fruit Growers Association, Yuma, Ariz., a corporation of Arizona.

DESERT CHIEF

For Canned Citrus Juices for Food Purposes.
Claims use since January 1938.

Reg. No. 374,376. Registered Jan. 9, 1940. Palestine House, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

ERETZ

For Candies; Preserves—Namely, Fruits, Fish, and Vegetables; Jellies; Jams; Marmalades; Condiments—Namely, Pickles, Spiced Tomatoes, Pickled Tomatoes, Pepper, Ginger, Cinnamon, and Allspice; Biscuits; Crackers; Confectionery—Namely, Chocolates, Candies, Candied Fruits and Fruit Pastes; and Cocoa; Tea; Gelatines; Honey; Cheese, and Sauerkraut; Wines.
Claims use since Feb. 1, 1939.

Reg. No. 394,054. Registered Mar. 17, 1942. Kosher Desserts, Inc., New York, N. Y., a corporation of New York. Republished by registrant.

KOJEL

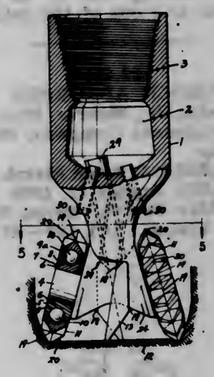
The word "Jel" is disclaimed apart from the mark as shown.

For Gelatins and Gelatin Desserts.
Claims use since Aug. 21, 1941.

REISSUES

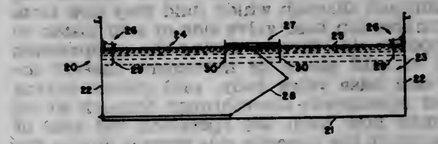
OCTOBER 16, 1951

23,416
DRILL
Clarence Wellington Kinnear, Houston, Tex.
Original No. 2,380,112, dated July 10, 1945, Serial No. 425,408, January 2, 1942. Application for reissue June 7, 1946, Serial No. 674,941
18 Claims. (Cl. 255—71)



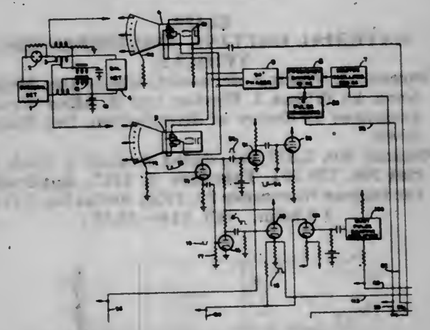
5. A rotary drilling tool comprising, the combination with a fishtail type of drill having a shank which terminates in a blade having a forward cutting edge to operate against the bottom of a well bore and side reaming edges adapted to ream the bore, spindles anchored to opposite sides of said blade, rolling cutters on the spindles set at angles to the vertical axis of the drill to operate against the outer bottom portion of the bore in advance of the lower portions of the respective reaming edges.

23,417
CENTER-WEIGHTED FLOATING ROOF
Frank D. Prager, Chicago, Ill., and Reign C. Ulm, Schererville, Ind., assignors to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Original No. 2,497,047, dated February 7, 1950, Serial No. 67,187, December 24, 1948. Application for reissue January 24, 1951, Serial No. 207,458
5 Claims. (Cl. 220—26)



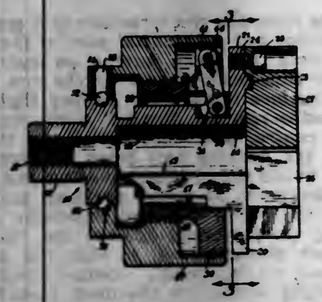
6. A single-deck floating roof for liquid storage apparatus, comprising an outer rim structure having an annular bottom part rigid enough to withstand compression imposed thereon by the deck, and parts upstanding from said bottom part; a single deck, occupying the major part of the floating roof area and substantially the entire area from the rim structure to a generally central, minor but substantial part of the floating roof area, the deck having an outer part secured to said bottom part of the rim structure, the surface of the deck having slight, upwardly and outwardly directed slope, from the generally central part substantially to the rim structure, the floating roof being adapted when immersed in the stored liquid to effect and maintain displacement of liquid portions, and substantially the entire top and underside of the deck being unreenforced against the buoyancy due to such displacement, so that the deck is flexible and unobstructed; contour-controlling ballast weight means for the deck, installed in, limited to and substantially distributed over said generally central part of the floating roof area and heavy enough to maintain said slope in the deck surface against said buoyancy; and drain means for the deck, in said generally central part of the floating roof area.

23,418
SIGNALING ARRANGEMENT FOR ELECTRONIC SWITCHING SYSTEMS
David H. Ransom, Paterson, N. J., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Original No. 2,492,179, dated December 27, 1949, Serial No. 648,758, February 19, 1946. Application for reissue December 23, 1950, Serial No. 202,583
11 Claims. (Cl. 179—15)



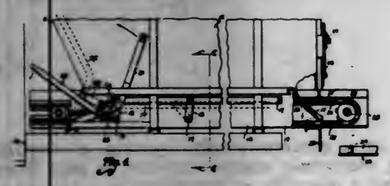
9. In a communication system, a plurality of lines, electronic means common to said lines and having a plurality of electrodes in which the lines terminate and means for cyclically sweeping the electrodes with an electron beam, a control grid for the beam, a source of signals common to said lines, a signal repeater having an output connected with said control grid, timing means for applying to the repeater signals originating on calling and called lines when the beam of said electronic means sweeps over their terminals, and means controlled by said timing means for applying signals from said source to the repeater when the beam sweeps over the terminal of the called line.

23,419
CHUCK
Walter L. Stace, Indianapolis, Ind.
Original No. 2,442,668, dated June 1, 1948, Serial No. 640,420, January 11, 1946. Application for reissue April 11, 1951, Serial No. 220,399
5 Claims. (Cl. 279—118)



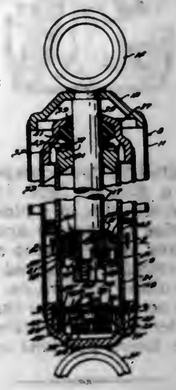
1. A chuck comprising means providing a plurality of radially arranged and radially movable fingers, a link for each of said fingers having one end pivotally associated with its finger, actuator means mounted for movement relative to said fingers in line with the axis about which said fingers are arranged, the opposite end of said each links being pivotally associated with said actuator means, and a housing element arranged to enclose said actuator means, said housing element being held against axial movement relative to said fingers and having threaded engagement with said actuator means, whereby rotary movement of said housing element relative to said fingers produces axial movement of said actuator means relative to said fingers to move said fingers positively radially in either direction.

23,420
MATERIAL HAULING AND DISPENSING VEHICLE
Clarence J. Weston, deceased, late of Des Moines, Iowa, by Wilma J. Weston and H. Allen Weston, assignees by decree of distribution, Des Moines, Iowa
Original No. 2,517,151, dated August 1, 1950, Serial No. 726,901, February 6, 1947. Application for reissue November 27, 1950, Serial No. 197,820
1 Claim. (Cl. 214—83.18)



In a device of the class described, a material hopper designed to be mounted on a vehicle and having its two side walls extending downwardly and sloping inwardly and terminating in an elongated opening, a rigid frame comprising parallel side walls [welded] *affixed* to the sloping sides of the hopper adjacent the elongated opening, two depending doors pivoted to the parallel wall adjacent opposite edges of the opening and capable of being moved upwardly toward each other to close the bottom of the hopper, a pair of offset crank shafts rotatably mounted within the frame member in a position below the pivoted doors and capable of engaging the under sides of said doors for progressively controlling them into and out of closed positions with the bottom of the hopper, a lever means for actuating said crank shafts, said side walls [terminating at their lower edges in] *each having an* inturned [flanges which provides] *flange at its lower edge to provide* a track, and a rotatably mounted endless chain open-type conveyor embracing said doors and said crank shafts and supported and guided on said tracks, means for driving the conveyor lengthwise of the hopper, [the opposite ends] *one end* of the hopper having *an* adjustable opening[s] for free passage of *the* endless conveyor, said conveyor having one of its end portions extending from and out of the said hopper.

23,421
SHOCK ABSORBER
Ralph H. Whisler, Jr., Monroe, Mich., assignor to Patent Development Company, Monroe, Mich., a partnership
Original No. 2,546,051, dated March 20, 1951, Serial No. 180,539, August 21, 1950. Application for reissue May 24, 1951, Serial No. 228,105
13 Claims. (Cl. 188—88)



1. A hydraulic shock absorber including a pressure cylinder and a reserve chamber, both of which normally contain hydraulic fluid, means closing the opposite ends of said pressure cylinder, including a compression base valve body adjacent one end thereof, a piston slidably disposed in said pressure cylinder, and operating rod connected with said piston and extending through the closure means at the opposite end of said pressure cylinder from said compression base valve body, said piston having a passageway therethrough through which fluid may flow from the compression base valve side of said piston to the opposite side thereof during the compression stroke of said piston or movement thereof toward said base valve body, said piston having another passageway therethrough through which fluid may flow from the operating rod side of said piston to the opposite side thereof during the rebound stroke of said piston or movement thereof away from said base valve body, valve means normally closing each of said piston passageways and actuatable by a predetermined fluid pressure acting thereagainst to permit a flow of fluid from one side of said piston to the other side thereof, said base valve body having a compression passageway therethrough through which fluid displaced by said operating rod may flow from said pressure cylinder to said reserve chamber during the compression stroke of said piston, valve means normally closing said base valve body passageway against the flow of fluid therethrough and actuatable by a predetermined fluid pressure to permit fluid to flow through said passageway; said piston compression passageway valve means being actuatable by a lesser fluid pressure than said compression base valve body valve means, means permitting fluid to flow past said base valve body from said reserve chamber to said pressure cylinder on the rebound stroke of said piston so as to replenish said pressure cylinder, the sizes of the piston compression passageway and the base valve compression passageway being of a ratio substantially equal to the ratio between the pressure cylinder area less the operating rod area and the operating rod area, whereby when said piston moves toward said base valve body the necessary volume of fluid will flow through said piston compression passageway to keep the portion of the pressure cylinder on the operating rod side of said piston continually filled with fluid, and said passageways also being of such a size that at relatively low piston velocities the valve means of said compression valve body passageway and said piston compression passageway will primarily control flow of fluid through said piston and valve body and at relatively high piston velocities said compression valve body passageway and said piston compression passageway will provide the majority of control to the flow of fluid through said piston and valve body.

PATENTS

GRANTED OCTOBER 16, 1951

2,571,089

PRODUCTS OF CERTAIN DIBASIC ACIDS AND ACETONE - FORMALDEHYDE REACTION PRODUCTS

Mortimer T. Harvey, South Orange, and Peter L. Rossmiller, Bloomfield, N. J., assignors to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application May 11, 1949, Serial No. 92,748
7 Claims. (Cl. 260—64)

1. A normally liquid solution capable of being heat converted at 400° F. to the substantially infusible state and comprising 10–50 parts by weight of a dibasic acid selected from the group consisting of maleic, fumaric, diglycollic, succinic, adipic and sebacic acids dissolved in 100 parts by weight of a normally liquid resinous reaction product of acetone and formaldehyde produced under alkaline conditions and in the mole proportions of 1 mole of acetone to 2–4 moles of formaldehyde.

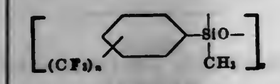
2,571,090

FLUOROHYDROCARBON SUBSTITUTED METHYLSILOXANES

Charles F. Kohl, Jr., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application October 27, 1949, Serial No. 123,992
6 Claims. (Cl. 260—448.2)

1.



in which n is a positive integer less than 3 and x has an average value of from 3 to 10 inclusive.

2,571,091

4-AMINO CARDANOL

David Wasserman and Solomon Caplan, New York, N. Y., assignors to The Harvel Corporation, a corporation of New Jersey

No Drawing. Application August 21, 1948, Serial No. 45,566
1 Claim. (Cl. 260—575)

A novel compound: 4-amino cardanol.

2,571,092

4-AMINO CARDANOL AS AN ANTIOXIDANT FOR MINERAL HYDROCARBON OIL

David Wasserman, Irvington, N. J., and Solomon Caplan, New York, N. Y., assignors to The Harvel Corporation, a corporation of New Jersey

No Drawing. Original application August 21, 1948, Serial No. 45,566. Divided and this application April 19, 1950, Serial No. 156,946
3 Claims. (Cl. 44—75)

1. A cracked gasoline having dissolved therein 4-amino cardanol, the ratio by weight of the former to the latter being in the range of 10,000–1 to 1000–1.

2,571,093

COMPOSITION AND TREATMENT OF DRILLING FLUIDS

Scott E. Temple, Downey, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application January 27, 1948, Serial No. 4,719
23 Claims. (Cl. 252—8.5)

1. A drilling fluid comprising an aqueous suspension of clay, a small amount greater than about 0.4% by weight, a water loss agent selected from the class consisting of gelatinized starch, methylated cellulose, ethylated cellulose, sodium carboxy methyl cellulose, Irish moss, alginates and gum of tragacanth, a water-soluble salt of a metal above iron in the electromotive series, and an acid reacting agent wherein said acid reacting agent is selected from the class consisting of acid reacting agents which do not cause precipitation of calcium ion and wherein said acid reacting agent is present in an amount sufficient to reduce the pH of the drilling fluid to 6.5 to 8.0.

2,571,094

ANTIFOULING COMPOSITION

Allen L. Alexander and Peter King, Washington, D. C.

No Drawing. Application September 12, 1942, Serial No. 458,168
10 Claims. (Cl. 260—738)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

9. An antifouling composition comprising about 5 to 25% calomel, about 2 to 12% copper resinate and about 6 to 20% of a compatible resinous film-forming vehicle selected from the group consisting of chlorinated rubber and an admixture of polymethyl methacrylate with a phenylphenol-formaldehyde resin.

2,571,095

METHOD OF PREVENTION OF DETERIORATION IN SEEDS

Aaron M. Altschul, Marjorie Z. Condon, and Madeline G. Lambou, New Orleans, La., assignors to The United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 8, 1949, Serial No. 126,262
5 Claims. (Cl. 167—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

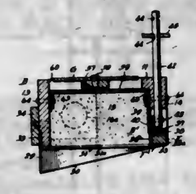
1. A process for preventing deterioration in quality of seed containing from 15 up to about 30% moisture resulting from biological activities of the seed and of the micro-organisms associated therewith comprising treating said seed with a mixture containing about 10 parts, by weight, of propylene glycol dipropionate to about one part, by weight, of 1,3-dimethyl-4,6-bischloromethylbenzene in a concentration of 0.2 to 1.0% calculated on a dry weight basis of the seed, storing said treated seed for a period of from 1 to 3 days following the treatment, and thereafter reducing and maintaining the moisture content of the seed below about 15% by ventilating the seed without application of heat.

2,571,096

FINISHING TOOL

Robert G. Ames, Burlingame, Calif., assignor of one-half to George W. Williams and one-fourth to Stanley Ames, both of Burlingame, Calif.

Application September 23, 1947, Serial No. 775,724
10 Claims. (Cl. 72—130)



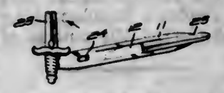
7. In a finishing tool; a hollow body for receiving mastic under pressure and having an outlet opening; an elongated semi-flexible bar constituting one side of the opening; means anchoring the ends of the bar to the body; a flexible wall forming a part of the hollow body and having an edge disposed near the bar; a plurality of aligned clips arranged along the length of the bar; each clip having upper and lower channels; the upper channels of the clips being removably clamped upon the marginal portion of said flexible wall edge, and the lower channels being removably clamped upon the bar.

2,571,097

TIE HOLDER

Olof V. Anderson, Cowesett, R. I., assignor to Anson Incorporated, a corporation of Rhode Island

Application February 17, 1948, Serial No. 8,954
4 Claims. (Cl. 24—49)



1. In a tie holder, a base, a shirt hem clamp secured to said base, and an ornament carrier mounted on one end of the base for swiveling movement in parallel relation to the base, said base having an upstanding projection positioned to be beneath the ornament carrier when the carrier is in alignment with the base.

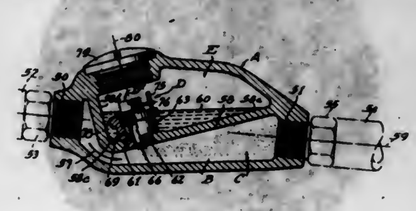
2,571,098

LUBRICATOR WITH ADJUSTABLE OIL FEEDER FOR PNEUMATIC TOOLS

John W. Arnold, deceased, late of San Francisco, Calif., by Grace Arnold, executrix, San Francisco, Calif., assignor, by decree of distribution, to Grace Arnold

Application March 8, 1948, Serial No. 13,694
1 Claim. (Cl. 184—55)

A lubricator for pneumatic tools which is adapted to be connected into the air hose line comprising an elongated housing including a lower wall, said housing having a dividing wall therein which provides an upper chamber forming a lubricant-retaining reservoir and a lower chamber forming an air passageway, said passageway extending longitudinally of the housing, said housing having an inlet port at one end thereof communicating with one end of the passageway and having an outlet port at the other end thereof communicating with the other end of the passageway; said dividing wall having one portion thereof extending from one end of the housing adjacent said outlet port downwardly towards the opposite end of said housing to a point adjacent the lower portion of the inlet port and having a second portion extending from said point adjacent the inlet port upwardly to a position adjacent the upper portion of said inlet port, and a lubricant feeder and breather arranged adjacent the lowermost portion of said dividing wall for feeding substantially all of the lubricant from the reservoir into the air passageway when the housing is horizontally disposed or vertically disposed with the inlet port down.



2,571,099

PROCESS FOR HYDROCYANATION OF CONJUGATED DIOLEFINIC COMPOUNDS

Paul Arthur, Jr., and Burt Carlton Pratt, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 7, 1950, Serial No. 137,482
7 Claims. (Cl. 260—465.3)

1. Process for the preparation of nitriles which comprises reacting a conjugated diolefine with hydrogen cyanide at a temperature of at least 50° C. and in contact with nickel carbonyl.

2,571,100

VULCANIZABLE RUBBER MIXES AND VULCANIZED RUBBER PRODUCTS MADE THEREFROM

Jean Augustin, Paris, France, assignor to Compagnie Industrielle de Credit, Paris, France

No Drawing. Application June 22, 1948, Serial No. 34,566. In France July 29, 1947
13 Claims. (Cl. 260—765)

1. A rubber mix characterized by high strength imparting characteristics and containing a reinforcing filler, a material promoting vulcanisation, and acidic organic substances obtained by extraction of a halloysitic clay rich in organic substances with an aliphatic ketone solvent having a molecular weight between about 86 and about 100.

2,571,101

MAGNESIA REFRACTORY

Leslie W. Austin, San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application October 1, 1948, Serial No. 52,211
11 Claims. (Cl. 106—58)

1. Dense, non-fused magnesia refractory material containing at least 95% of magnesium

oxide and not over 2.0% silica and consisting of magnesium oxide crystals, a major proportion of the surfaces of said crystals abutting directly



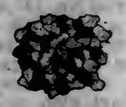
upon and bonded to the surfaces of other magnesia crystals, and a less than 5 percent of impurities, said impurities being dispersed in said aggregates in discrete, discontinuous zones.

2,571,102

MAGNESIA REFRACTORY MATERIALS

Leslie W. Austin, San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application September 25, 1947, Serial No. 776,124
2 Claims. (Cl. 106—58)



1. A fired forsteritic refractory material consisting of agglomerates which exhibit upon petrographic microscopic examination elongated angular forsterite host crystals, said crystals each having dispersed therein periclase crystals.

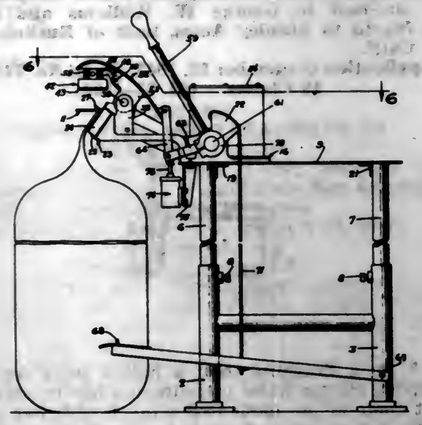
2,571,103

BAG SEALING MACHINE

Daniel Belcher and Harold V. Kindseth, Minneapolis, Minn., assignors to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri

Application October 29, 1948, Serial No. 57,168
13 Claims. (Cl. 226—56)

1. In a machine for closing and sealing bag tops by adhering a strip of sealing tape to the flattened bag top walls, a support, complemental jaws mounted on said support and normally in open position to permit a flattened bag top to be inserted therebetween, a movable bag top positioning member adjacent to one of said jaws, when the machine is at rest, means for causing the jaws to engage the bag top and firmly press a strip of sealing tape into bonding engagement with the walls of the bag top with a squeezing action, and simultaneously effecting removal of said member from between said jaws, and means for momentarily retaining the jaws in pressing



engagement with the tape and bag top walls to allow the adhesive to set.

2,571,104

POLYMYXIN PRODUCTION

Robert G. Benedict, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application May 7, 1948, Serial No. 25,775
6 Claims. (Cl. 195—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

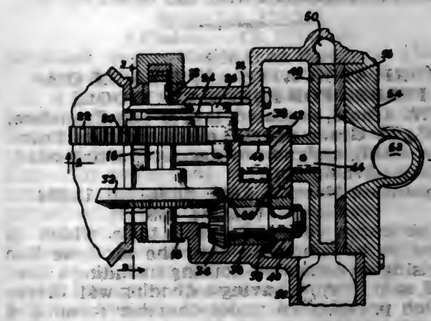
1. A process for producing polymyxin comprising cultivating *B. polymyxa* NRRL B-719 (u. v.-37) in an aqueous medium comprising a proteinaceous material which medium contains one to two percent assimilable carbon source at the start of the fermentation, and adding one-half to two percent supplementary assimilable carbon source during the course of the fermentation.

2,571,105

COMBINATION PUMP AND POWER TAKE-OFF

Forrest F. Bickel and Kenneth M. Bickel, Farmersville, Ohio

Application October 7, 1948, Serial No. 53,238
13 Claims. (Cl. 103—87)



1. In a power unit, a generally tubular housing with partition means intermediate its ends, a

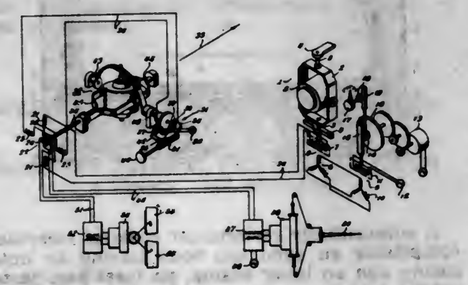
shaft journaled on a transverse axis adjacent one end of said housing and a gear thereon extending through the said one end, a second shaft extending axially of said housing through said partition and connected to be driven by said gear, and pumping means detachably mounted in the other end of said housing and detachably drivingly connected with said second shaft, said pumping means including a rotary impeller and closure means mounted on the end of the housing and bearing on the face of the impeller.

2,571,106

CROSS CONTROL SYSTEM

Richard S. Brannin, East Williston, N. Y., assignor to The Sperry Corporation, a corporation of Delaware

Application November 30, 1944, Serial No. 565,957
29 Claims. (Cl. 244—77)



6. In a control system for dirigible craft having a first control surface for controlling movement of said craft about a first axis and a second control surface for controlling movement about a second axis, a first and second signal-responsive means for actuating said control surfaces, respectively, a first and second signal-producing means connected to control said signal responsive means respectively, and means for supplying each of said signals to both of said signal-responsive means in amounts dependent upon the displacement of said craft about a third axis.

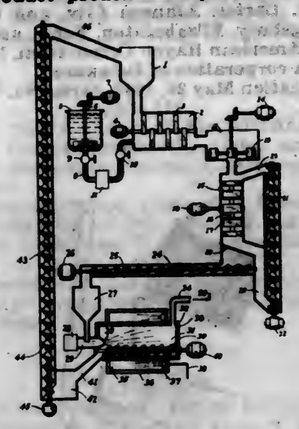
2,571,107

RECOVERY OF ACID VALUES FROM SULFURIC ACID SLUDGES

Ferdinand W. Breth, Petrolia, Pa., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

Application May 7, 1947, Serial No. 746,523
2 Claims. (Cl. 23—177)

1. In the method of recovering acid values from sulfuric acid sludges, the improvement which comprises blowing, in a current of air, finely divided particles of a friable product substantially composed of a particled carbonaceous carrier material containing adsorbed sulfuric acid sludge into a thermal decomposition zone to thereby substantially flash decompose the same, and recovering sulfur dioxide from said zone, said friable product containing about at least 2 parts by weight of said carrier material for each part by weight of the said acid sludge, and maintaining a decomposition temperature within said zone of an excess of 320° F., at least a portion of said carbonaceous carrier being combusted in said zone to substantially replenish at least a part of the endothermic heat loss therein, said friable product predominantly comprising particles in the order of magnitude not substantially exceeding 50 mesh.



2,571,108

DECORTICATION OF FIBROUS MATERIAL

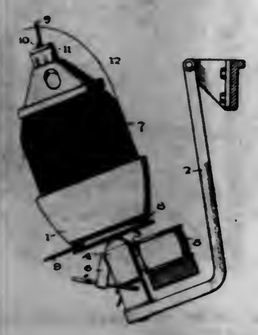
Anton Burkardt, New York, N. Y., assignor to Sativa Corporation, New York, N. Y., a corporation of New Jersey

Application July 26, 1945, Serial No. 607,184
6 Claims. (Cl. 19—28)



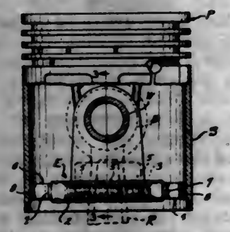
6. A machine for decorticating fiber-bearing material, said machine comprising in sequence: coacting rollers for crushing and feeding the fiber-bearing material; a scutching rotor assembly positioned to receive the crushed fiber-bearing material from said coacting rollers, said assembly including a plurality of coacting fiber-breaking rotors for effectively scutching the fibers received thereby, to remove the residual shives or hurds and for impelling the fibers to pursue a predetermined path; and a dual crossbar drawing chain mechanism positioned to receive the fibers from said scutching rotor assembly, said mechanism including pairs of adjacent substantially parallel endless chains, each pair of chains carrying transverse crossbars extending outwardly therefrom between crossbars of the opposite chain, and said chains converging to approach one another in the direction of fiber travel, whereby the fibers are subjected to further scutching and cleaning by progressively increased flexing between the crossbars of the respective pairs of chains of said dual crossbar drawing chain mechanism; in combination with a rotarily mounted brush-like cylinder positioned at the anterior portion of each pair of endless chains of said drawing chain mechanism and in the predetermined path of the fibers leaving said scutching rotor assembly, for gathering the fibers from said scutching rotor assembly and transferring such fibers to said drawing chain mechanism.

2,571,109
TWISTING SPINDLE TENSION DEVICE
Ralph H. Carter, Johnson City, and Chadwick B. Kingsbury, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1949, Serial No. 94,376



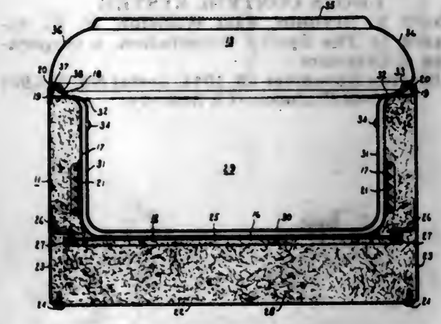
1. In a twisting spindle including a device for tensioning thread comprising, in combination, a flat surface having a thread opening therein, a round disk having a short stem projecting into said opening and fitting loosely therein and having a marginal flange extending away from said flat surface, said disk and said surface normally lying in contact but being susceptible of relative nutation during passage of thread therebetween and through the opening beside said stem, and a cage confining said disk while permitting its nutational tension-exerting movement, said cage having an uninterrupted circular opening of sufficient diameter to permit tilting and partial emergence of said disk therefrom but of insufficient diameter to allow complete removal of said disk and insufficent vertical depth to permit the turning over of said disk in said cage, said opening in said cage permitting unhindered approach of the thread to said disk throughout an arc of 360°.

2,571,110
PISTON STABILIZER
Ernest T. Chaix, St. Louis, Mo., assignor, by mesne assignments, to Ramsey Corporation, a corporation of Ohio
Application April 19, 1950, Serial No. 156,896
7 Claims. (Cl. 309—12)



1. A piston stabilizer comprising a pair of supporting hangers arranged in spaced relation, said hangers terminating in tubular housings, coiled springs disposed within the housings, pressure members supported by the housings so as to confine the springs between their extremities, said pressure members having piston skirt contacting elements.

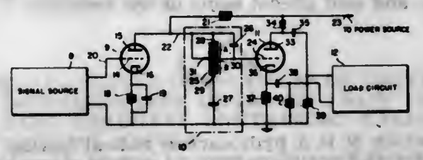
2,571,111
SPACED WALL CONTAINER WITH REMOVABLE INNER RECEPTACLE
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1948, Serial No. 2,117
1 Claim. (Cl. 220—17)



A substantially rectangular cooking receptacle comprising an open top body having an outer casing and an inner casing, an inset pan nested within said inner casing, and a cover, said outer casing including bottom and vertical walls, said inner casing comprising a bottom wall and vertical walls disposed in spaced relation to the corresponding walls of the outer casing, the vertical walls of the inner casing being bent outwardly to form seating flanges and then upwardly and seamed to the top edges of the vertical walls of the outer casing, said inset pan including a bottom wall, vertical walls, and a flange extending outwardly and upwardly from the top of the vertical walls and terminating in an upwardly extending free edge disposed inwardly of the vertical walls of the outer casing, said cover including a top wall, an outwardly convexed curved marginal portion the lower portion of which is disposed adjacent to and in substantial alignment with the vertical walls of said outer casing to provide an unbroken smooth contour with the same, said cover further having a flange integral with the lower edge of said curved marginal portion and extending therefrom inwardly over the top edge of said inset pan flange and also extending therefrom downwardly and terminating in a free edge so that condensates forming on the inner surface of said cover may drain into said inset pan.

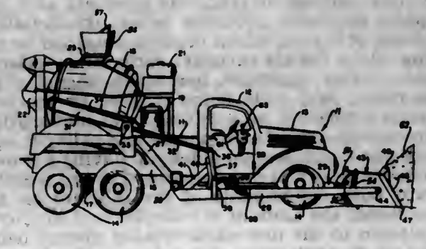
2,571,112
TONE CONTROL CIRCUIT
Robert J. Cowles, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 30, 1947, Serial No. 744,968
7 Claims. (Cl. 179—171)

7. An audio signal amplifier of the direct coupled type comprising a first amplifier stage, a second amplifier stage, a coupling circuit between said stages comprising a relatively high frequency pass condenser in series between said stages, a resistor and condenser connected in series with one another and connected in parallel to said first stage, conductor means adapted to carry both alternating current and direct current connected between said high pass condenser, said second stage and a fixed predetermined point on said resistor thereby to provide a



fixed impedance across the grid of said second stage, and movable contact means connected between said first stage and said resistor and adjustable from one end of said resistor to the other for varying the effectiveness of both of said condensers.

2,571,113
WEIGHING AND CHARGING MECHANISM FOR TRANSIT MIX TRUCKS
Charles D. Crosby, Denver, Colo.
Application August 15, 1949, Serial No. 110,254
6 Claims. (Cl. 259—164)



1. As a unit of construction equipment, a vehicle mounted on suitable traction devices having a main power unit for purposes of vehicle propulsion, a rotary drum mounted on the frame of said vehicle having an opening in said drum for the reception of bulk materials, power driven means for rotating said drum, a materials receiving hopper positioned above said drum having a discharge opening adapted for registration with the opening in said drum, loader arms pivotally mounted on said vehicle frame, a load carrying member supported by said arms for receiving and holding bulk materials having a discharge opening therein, a door pivotally mounted on said load carrying member adjacent said discharge opening for holding the bulk materials in said load carrying member when the door is in closed position, a hydraulic cylinder having a piston member mounted for reciprocal movement therein, a hydraulic pump for introducing fluid under pressure into said cylinder, linkage mechanism interconnecting said piston and said loader arms so that the introduction of fluid under pressure to effectively shorten the exposed length of said piston causes upward movement of said arms and load carrying member from a position adjacent the vehicle supporting surface to a position adjacent said hopper, and stop means for engaging said door as the load carrying member is being moved toward its position in registration with said hopper for holding the door in place as the load carrying member moves on to its position of registration with the hopper thereby dumping the contents of the load carrying member into the hopper.

2,571,114
DI(TERT-ALKYL)MERCAPTALS
Willie W. Crouch, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Original application December 26, 1944, Serial No. 569,901. Divided and this application September 27, 1946, Serial No. 699,633
4 Claims. (Cl. 260—609)

1. As novel and useful chemical compounds, di(tert-alkyl) mercaptals wherein said alkyl group contains from 4 to 16 carbon atoms.

2,571,115
ISOLATION OF BACTERIAL MUTANTS
Bernard D. Davis, New York, N. Y.
No Drawing. Application November 30, 1949, Serial No. 130,337
2 Claims. (Cl. 195—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of isolating nutritionally deficient bacterial mutants from a parent stock which comprises cultivating a mutant and nonmutant containing population in an enriched medium containing all of the nutritional substances necessary to support the mutant and nonmutant strains, eliminating from the medium the mutant strain growth supporting nutritional substance thereby preventing the growth of said mutant strains, sterilizing the growing nonmutant strain with penicillin which will sterilize growing bacteria but which will not sterilize the resting mutant strain, eliminating the penicillin, and cultivating the thus treated population in an enriched medium capable of supporting the mutant strain.

2,571,116
PROCESSES FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application January 6, 1950, Serial No. 137,291
12 Claims. (Cl. 252—342)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier including a hydrophile oxyalkylated phenol —C_1- to C_3- aldehyde resin in which the ratio of oxyalkylene groups to phenolic nuclei is at least 2:1 and the alkylene radicals of the oxyalkylene groups are selected from the class consisting of ethylene, propylene, butylene, hydroxypropylene and hydroxybutylene radicals; said phenol being a mixture of 2,4,6 C_4- to C_{14}- hydrocarbon-substituted monocyclic monohydric phenol and salicylic acid, the amount of salicylic acid employed in relation to the hydrocarbon-substituted phenol being sufficient to contribute at least one salicylic radical per resin molecule; and with the final proviso that the hydrophile properties of said oxyalkylated resin in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with one to three volumes of water.

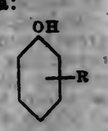
2,571,117

CERTAIN RESINS AND OXYALKYLATED DERIVATIVES THEREOF

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 6, 1950, Serial No. 137,292
11 Claims. (Cl. 260—53)

1. Hydrophile hydroxylated synthetic products; said hydrophile synthetic products being oxyalkylation products of (A) an alpha-beta alkylene oxide having not more than 4 carbon atoms and selected from the class consisting of ethylene oxide, propylene oxide, butylene oxide, glycide and methylglycide; and (B) an oxyalkylation-susceptible, fusible, xylene-soluble, water-insoluble, low-stage phenol-aldehyde resin; said resin being derived by reaction between a mixture of a difunctional monohydric hydrocarbon-substituted phenol and salicylic acid on the one hand, and an aldehyde having not over 8 carbon atoms and one functional group reactive towards both components of the mixture on the other hand; the amount of salicylic acid employed in relation to the non-carboxylated phenol being sufficient to contribute at least one salicylic acid radical per resin molecule and the amount of non-carboxylated phenol being sufficient to contribute at least one non-carboxylated phenol radical per resin molecule; said resin being formed in the substantial absence of phenols of functionality greater than two, and said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; said oxyalkylated resin being characterized by the introduction into the resin molecule at the phenolic hydroxyl and carboxyl groups of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxypropylene radicals, and hydroxybutylene radicals, and n is a numeral varying from 1 to 30, with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,571,118

CARBOXYL-CONTAINING XYLENE-SOLUBLE RESIN

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 6, 1950, Serial No. 137,293
7 Claims. (Cl. 260—53)

1. A fusible, carboxyl-containing, xylene-soluble, water-insoluble, low-stage phenol-aldehyde resin; said resin being derived by reaction between a mixture of a difunctional monohydric hydrocarbon-substituted phenol and salicylic acid on the one hand, and an aldehyde having not over 8 carbon atoms and having one functional group reactive toward both components of the mixture on the other hand; the amount of salicylic acid employed in relation to the non-carboxylated phenol being sufficient to contribute at least one salicylic acid radical per resin molecule and the amount of difunctional monohydric hydrocarbon-substituted phenol being sufficient to contribute at least one difunctional monohydric hydrocarbon-substituted phenol radical per molecule; said resin being formed in the substantial absence of phenols of functionality greater than two, and said phenol being of the formula:



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para.

2,571,119

PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application February 21, 1950, Serial No. 145,579
15 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type characterized by subjecting the emulsion to the action of a demulsifier including hydrophile synthetic products, said hydrophile synthetic products being oxyalkylation products of the acylation product obtained by reacting (A) a fusible carboxyl-containing, xylene-soluble, water insoluble, low stage phenol-aldehyde resin; said resin being derived by reaction between a mixture of a difunctional monohydric hydrocarbon-substituted phenol and salicylic acid on the one hand, and an aldehyde having not over 8 carbon atoms and one functional group reactive toward both components of the mixture on the other hand; the amount of salicylic acid employed in relation to the non-carboxylated phenol being sufficient to contribute at least one salicylic acid radical per resin molecule and the amount of difunctional monohydric hydrocarbon-substituted phenol being sufficient to contribute at least one difunctional monohydric hydrocarbon-substituted phenol radical per molecule; said resin being formed in the substantial absence of phenols of functionality greater than two, and said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; with (B) an acylation-susceptible reactant composed exclusively of elements selected from the class consisting of carbon, hydrogen, oxygen, nitrogen, sulfur and chlorine, the molecular weight of said reactant not exceeding 25,000, said acylation product being characterized by linkage of said acylation-susceptible reactant to said resin at carboxy groups by reaction at radicals of said acylation-susceptible reactant of the class consisting of carbon-linked hydroxyl groups and nitrogen atoms; said oxyalkylated acylation product being characterized by introduction into the acylation product molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxy propylene radicals and hydroxy butylene radicals, and n is a numeral varying from 1 to 20; with the final proviso that the hydrophile properties of said oxyalkylated acylation product in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with 1 to 3 volumes of water.

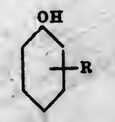
2,571,120

OXYALKYLATED DERIVATIVES OF CERTAIN INTERMEDIATES OBTAINED FROM CERTAIN CARBOXYL-CONTAINING XYLENE-SOLUBLE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 21, 1950, Serial No. 145,579. Divided and this application August 30, 1950, Serial No. 182,165
15 Claims. (Cl. 260—19)

1. Hydrophile synthetic products, said hydrophile synthetic products being oxyalkylation products of the acylation product obtained by reacting (A) a fusible carboxyl-containing, xylene-soluble, water-insoluble, low stage phenol-aldehyde resin; said resin being derived by reaction between a mixture of a difunctional monohydric hydrocarbon-substituted phenol and salicylic acid on the one hand, and an aldehyde having not over 8 carbon atoms and one functional group reactive toward both components of the mixture on the other hand; the amount of salicylic acid employed in relation to the non-carboxylated phenol being sufficient to contribute at least one salicylic acid radical per resin molecule and the amount of non-carboxylated phenol being sufficient to contribute at least one non-carboxylated phenol radical per resin molecule; said resin being formed in the substantial absence of phenols of functionality greater than two and said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; with (B) an acylation-susceptible reactant composed exclusively of elements selected from the class consisting of carbon, hydrogen, oxygen, nitrogen, sulfur and chlorine, the molecular weight of said reactant not exceeding 25,000, said acylation product being characterized by linkage of said acylation-susceptible reactant to said resin at carboxy groups by reaction at radicals of said acylation-susceptible reactant of the class consisting of carbon-linked hydroxyl groups and nitrogen atoms; said oxyalkylated acylation product being characterized by introduction into the acylation product molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxy propylene radicals and hydroxy butylene radicals, and n is a numeral varying from 1 to 20; with the final proviso that the hydrophile properties of said oxyalkylated acylation product in an equal weight of xylene are sufficient to produce an emulsion when said xylene solution is shaken vigorously with 1 to 3 volumes of water.

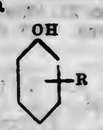
2,571,121

INTERMEDIATE DERIVATIVES OF CERTAIN CARBOXYL-CONTAINING XYLENE-SOLUBLE RESINS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application February 21, 1950, Serial No. 145,579. Divided and this application August 30, 1950, Serial No. 182,166
15 Claims. (Cl. 260—19)

1. The acylation product obtained by reacting (A) a fusible carboxyl-containing, xylene-soluble, water-insoluble, low stage phenol-aldehyde resin; said resin being derived by reaction between a mixture of a difunctional monohydric hydrocarbon-substituted phenol and salicylic acid on the one hand, and an aldehyde having not over 8 carbon atoms and one functional group reactive toward both components of the mixture on the other hand; the amount of salicylic acid employed in relation to the non-carboxylated phenol being sufficient to contribute at least one salicylic acid radical per resin molecule and the amount of non-carboxylated phenol being sufficient to contribute at least one non-carboxylated phenol radical per resin molecule; said resin being formed in the substantial absence of phenols of functionality greater than two and said phenol being of the formula



in which R is a hydrocarbon radical having at least 4 and not more than 14 carbon atoms and substituted in one of the positions ortho and para; with (B) an acylation-susceptible reactant composed exclusively of elements selected from the class consisting of carbon, hydrogen, oxygen, nitrogen, sulfur and chlorine, the molecular weight of said reactant not exceeding 25,000, said acylation product being characterized by linkage of said acylation-susceptible reactant to said resin at carboxy groups by reaction at radicals of said acylation-susceptible reactant of the class consisting of carbon-linked hydroxyl groups and nitrogen atoms; said oxyalkylated acylation product being characterized by introduction into the acylation product molecule of a plurality of divalent radicals having the formula $(R_1O)_n$, in which R_1 is a member selected from the class consisting of ethylene radicals, propylene radicals, butylene radicals, hydroxy propylene radicals and hydroxy butylene radicals, and n is a numeral varying from 1 to 30, with the proviso that at least 2 moles of alkylene oxide be introduced for each phenolic nucleus.

2,571,122

UMBRELLA CONSTRUCTION

Emanuel Diamond, Philadelphia, Pa., assignor of one-half to Clarence Frankford, Havertown, Pa.

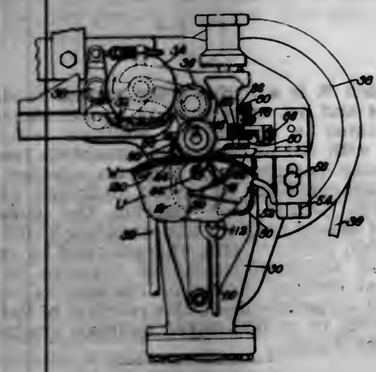
Application November 26, 1948, Serial No. 62,031
6 Claims. (Cl. 112—114)



6. A machine for sewing a button-and-tie closure upon an umbrella cover constructed of a plurality of segments seamed together along generally radial lines and having a tip fastened at the outer end of each seam; said machine including a vertically reciprocable needle, a base-plate having a needle-opening formed therein, a button-holder adapted to hold a button in vertical alignment with the needle and constructed and arranged to be raised and lowered relative to said base-plate, a tip-holder yieldably mounted adjacent said base-plate and constructed and ar-

ranged to receive one of the tips of said cover and to hold it generally in vertical alignment with the button-holder so that when the button-holder is in lowermost position the tip will be held firmly between the button-holder and the base-plate, a spacer formed on the under surface of the button-holder and constructed and arranged to limit the downward movement of the button-holder relative to the base-plate whereby the button is at a slightly higher level than the tip, said spacer having a transverse groove formed on its lower surface whereby said cover can be positioned so that its seam extends across the needle-opening and within said groove when said button-holder is in lowermost position, the button and an intervening tie being held securely in predetermined relationship to the seam of the cover whereby the needle can pass through the button, the tie and the cover so as to stitch the button and tie securely to the cover closely adjacent the tip with the stitches spanning the seam line.

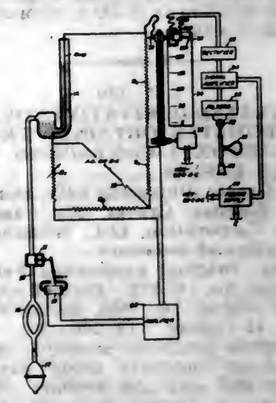
2,571,123
MACHINE FOR TREATING PREWELT UPPERS
René E. Duplessis, Beverly, and Edward Quinn, Saugus, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 21, 1950, Serial No. 191,470
12 Claims. (Cl. 12—51)



1. In a machine for operating on prewelt shoe uppers, a supporting roll having a recessed end face to provide a welt-crease-entering peripheral flange, a roll for gripping the welt against the periphery of said supporting roll, means for driving one of said rolls to carry the welt through the machine, a molding disk having its periphery in engagement with the inside of the upper near the periphery of the supporting roll, and means for supporting said disk for rotation upon an axis extending downwardly and rearwardly with respect to the direction of movement of the welt.

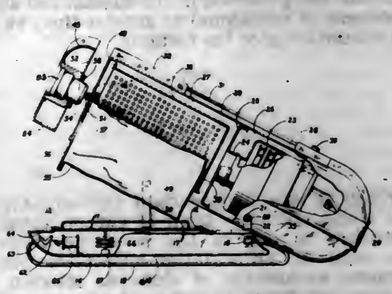
2,571,124
SPHYGMOMANOMETER
Clair L. Farrand, Scarsdale, N. Y., assignor to Farrand Optical Co., Inc., a corporation of New York
Application October 2, 1946, Serial No. 700,742
16 Claims. (Cl. 128—2.05)

16. Blood pressure measuring and recording apparatus comprising a sphygmomanometer, a transducer for deriving from the auscultatory sounds produced during the course of a blood pressure measurement electric currents corresponding to said sounds, a recording stylus, a record chart having an axis representative of time, means to simultaneously advance the stylus



relative to the chart along the time axis thereof according to a known function of time and to reduce the pressure in the cuff according to a known function of time, and means to energize the stylus by the said currents.

2,571,125
BOTTOM OPENING SUCTION CLEANER
John T. Ferraris, Cos Cob, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 20, 1947, Serial No. 755,894
6 Claims. (Cl. 183—37)

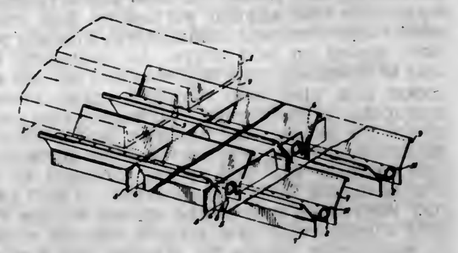


1. In a vacuum cleaner, a base member adapted to be supported horizontally, a casing movably mounted on said base member, a portion of said casing over said base member having top and side walls providing a chamber having a bottom opening and a front opening, said base member forming a closure for said bottom opening when said casing is moved to a position contiguous thereto, a cover member for said front opening, a dust receptacle having a front wall provided with an inlet opening and being insertable into and removable from said chamber through said bottom opening when said casing is moved away from said base member, an inlet conduit carried by said cover member and projecting into the inlet opening in said receptacle when the cover member is closed, and means for movably mounting said cover member with respect to said casing so that said cover member may be moved forwardly sufficiently for said conduit to be withdrawn from said inlet opening.

2,571,126
HOT AQUEOUS EXTRACTION OF ENZYMES FROM INSULIN-FREE PANCREAS
Svend Emil Frederiksen, Charlottenlund, Denmark, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark, a firm
No Drawing. Application October 23, 1946, Serial No. 705,248. In Denmark June 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 4, 1963
7 Claims. (Cl. 167—75)

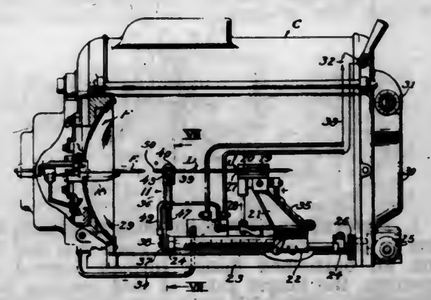
1. A method of recovering insulin and proteolytic enzymes from mammalian pancreas glands, which comprises treating a minced pancreas gland material with a conventional insulin extracting concentration of a solvent selected from the group consisting of aliphatic alcohols containing less than three carbon atoms and acetone acidified with sulphuric acid to create a pH-value below 7 during the said treatment, thereby bringing the insulin into solution and precipitating the enzymes, separating the insulin-containing liquid from the treated gland material, recovering the dissolved insulin from the liquid, adding water to the residual gland material, acidifying the aqueous mixture to pH 1 to 4, heating the mixture quickly to 100° C., promptly cooling the mixture, separating the liquid from the residual gland material, and recovering the enzymes from the separated liquid.

2,571,127
FLAME SHIELD ASSEMBLY FOR CARBON BLACK APPARATUS
Daniel Glaxner, Pampa, Tex., assignor to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Application January 13, 1950, Serial No. 138,293
4 Claims. (Cl. 23—259.6)



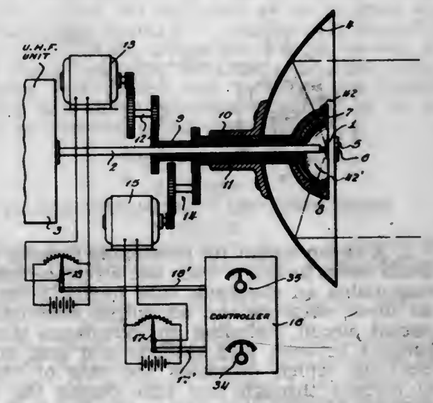
2. In apparatus for producing carbon black by the impingement process comprising an enclosed chamber, a plurality of spaced substantially parallel, horizontally extending gas supply pipes within said chamber, a plurality of burner tips positioned along the upper surface of the gas supply pipes and a metallic surface so positioned above the burner tips as to constitute a carbon collecting surface against which flames from the burner tips impinge, the improvement which comprises substantially impervious flame shielding side members extending equidistant from and along each side of each gas supply pipe, said side members being supported by end members extending in a substantially vertical plane perpendicular to the gas supply pipes and resting upon at least two of the gas supply pipes, the end members and side members being slotted along their upper and lower edges, respectively, the slots in the end members cooperating with the slots in the side members whereby the members are removably fitted together and supported in an upright position.

2,571,128
CURRENT FEED AND HOLDER FOR POSITIVE CARBON OF MOTION-PICTURE PROJECTOR LAMPS
Ralph W. Gooch, Mill Valley, Calif.
Application January 31, 1950, Serial No. 141,534
6 Claims. (Cl. 313—238)



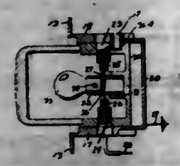
1. In combination: a carbon-advancing bracket of a motion picture projector lamp; a carbon-gripping clamp mounted on the bracket having a sidewise-opening slot to receive a rear section of a positive carbon; a holder having a pair of coacting jaws positioned to embrace a forward section of the carbon adjacent to the crater end of the carbon; the jaws having carbon-receiving grooves axially aligned with the slot in the clamp; and a positive current feed for the carbon having one leg leading to the clamp and the other leg leading to the holder.

2,571,129
SCANNING ANTENNA SYSTEM
William W. Hansen, Stanford University, Calif., assignor to The Sperry Corporation, a corporation of Delaware
Application December 3, 1947, Serial No. 789,472
6 Claims. (Cl. 250—33.65)



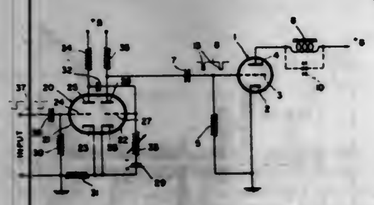
1. In a scanning antenna system comprising an antenna feed, a parabolic reflector for directing the electromagnetic energy fed from said antenna feed, and a pair of cup-shaped dielectric wedge members interposed between said antenna feed and said reflector, one of said wedge members being cupped within the other, said wedge members being relatively movable for effecting scanning operations of the energy emitted from said antenna feed.

2,571,130
DISAPPEARING CLEARANCE LIGHT FOR TRUCK BODIES
Arnold E. Hargis, Portland, Oreg.
Application February 10, 1948, Serial No. 8,531
2 Claims. (Cl. 240—8.2)



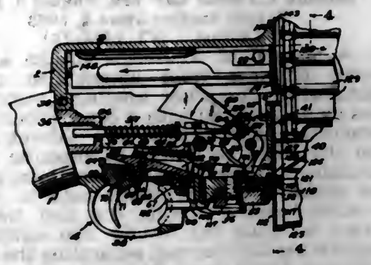
1. A clearance light comprising a housing having an elongated rectangular open side and having an outturned flange formed around said opening, the longer sides of said opening being horizontal, a metal lamp base rockably mounted in said housing on a vertical axis, a metal lamp socket mounted in said base, a contact bar mounted along the axis of said base and insulated from said housing, and socket, a lamp grounded in said socket and having its central electrode engaging said contact bar, a transparent cover on said base having a chisel-shaped point which, in normal operation, extends in a plane normal to the face of said frame, and springs for urging said cover toward its outermost position wherein it projects beyond the outer face of said flange.

2,571,131
SWEEP CIRCUIT
Albert S. Harris, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application January 21, 1946, Serial No. 642,477
5 Claims. (Cl. 250—27)



1. A sweep circuit for developing periodic sawtooth waves having a trace and a retrace interval comprising an electronic tube having a cathode an input electrode and an output electrode, an output circuit including an inductance element coupled between said cathode and said output electrode which decreases the rate of change of current through said tube during the later portions of said retrace intervals until said sawtooth wave becomes tangent to its trace portions, and means for applying to said input electrode periodic rectangular voltage pulses of negative polarity to produce a sawtooth current through said inductance element, said pulses having a time duration and amplitude effective to bias said tube substantially to cut-off at the beginning of said retrace interval until the slope of said sawtooth current is tangent to the slope of the desired trace portion.

2,571,132
FIRE CONTROL MECHANISM FOR FIREARMS
Earle M. Harvey, Arlington, Va.
Application August 29, 1947, Serial No. 771,289
1 Claim. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

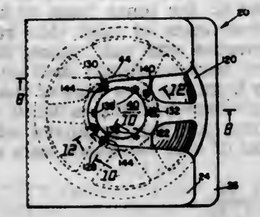


In a firearm, the combination of, a trigger, a pivotal sear, a pivotal rocker shaped to form a bell-crank having a first and second arm, said first arm having a vertical shoulder at the free end thereof arranged to be engaged by the front end of said sear, said second arm terminating in an arcuate concave surface and adjacent angular surface, a pivotal hammer disposed forwardly of said rocker, said hammer shaped to form a bell-crank having a head portion and a foot portion, a slidably mounted firing pin arranged to be actuated by impact with said hammer head portion, said hammer foot portion terminating in a first and second convex surface, said first convex surface being disposed closer to the pivot point of said hammer than said second convex surface and rearwardly thereof, an angular cam surface connecting said convex surfaces and arranged to mate with said angular surface on said second rocker arm when said hammer is in a cocked position, means on said trigger for actuating said sear to disengage from said shoulder on said first rocker arm when said trigger is pulled whereby said rocker is free to pivot rearwardly, first spring means for biasing said hammer head portion to actuate said firing pin, said angular surfaces on said hammer and said rocker arranged to disengage during the firing movement of said hammer whereupon said second convex surface slidably engages with said arcuate concave surface on said rocker, means for pivoting said hammer rearwardly against the bias of said first spring means whereby said first convex surface on said hammer foot portion engages said arcuate concave surface on said rocker second arm, said hammer angular cam surface being thereby positioned in front of said rocker angular surface, and second spring means disposed between said trigger and said first rocker arm for biasing said rocker forwardly whereby said angular surfaces engage in mating relationship, said sear arranged to engage said shoulder on said first rocker arm when said trigger is released whereby said angular surfaces maintain said hammer in a cocked position until said trigger is pulled.

2,571,133
CARTON
Bryce Haynes, Tuckahoe, N. Y., assignor to Audio Devices, Inc., a corporation of New York
Application March 23, 1950, Serial No. 151,454
11 Claims. (Cl. 206—52)

1. In a carton of the type and for the purpose described, the improvement comprising an inner

removable member and an outer enclosing member for the inner member; the inner member being formed of a pair of juxtaposable flaps hinged to an intermediate end wall, the first flap being provided with a centrally disposed core-slot extending from its periphery, the second flap being provided with a centrally disposed and raised hub-core adapted to be juxtaposed to the inner end portion of the core-slot in the first flap, the hub-core extending from its flap toward



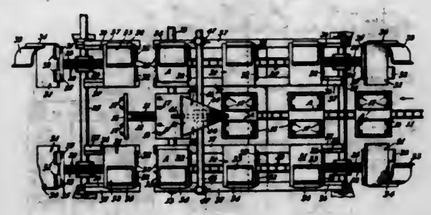
the other flap in their normally juxtaposed position, the hub-core also being adapted to fit into the core-hole of the hub of a hub-roll unit of magnetic tape, the first flap being adapted to extend at least in part over the hub of the hub-roll so mounted over the hub-core of the second flap, the two flaps being adapted to be moved toward each other to hold the hub-roll between them, and the outer enclosing member being adapted to receive the inner member with the hub-roll mounted between the juxtaposed flaps.

2,571,134
PRODUCT AND PREPARATION OF PERICLASE
James C. Hicks, Menlo Park, and Leslie W. Austin, San Jose, Calif., assignors to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
No Drawing. Application July 13, 1949, Serial No. 104,582
30 Claims. (Cl. 106—59)

1. Process of preparing well-crystallized periclase material which comprises admixing a magnesium compound which will form periclase upon firing and at least one material chosen from the group consisting of chromium and compounds of chromium, said chromium material being added in an amount to provide in the product up to about 10.0% Cr_2O_3, based on the total weight of the fired product, calcining the admixture to obtain a cryptocrystalline product, pressing, and firing said pressed material to a temperature of at least 1600° C.

2,571,135
DISCHARGE CONVEYER MECHANISM FOR ARTICLES
Ernest Hoffman, Nutley, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 14, 1947, Serial No. 748,100
5 Claims. (Cl. 198—33)

5. In a discharge conveyor mechanism for articles such as container bodies and the like, the combination of a feeding conveyor having spaced cradles thereon for carrying and advancing pairs of vertically disposed bodies in a continuous procession in spaced and timed order, a pair of discharge conveyors located one on each side of said feeding conveyor and operable in time therewith, a plurality of carriers mounted on said discharge conveyors in a spaced relation corresponding to said cradles on the feeding conveyor, a disc located in line with the space between the bodies of each pair advancing with said feeding conveyor, said disc being rotatable in time with the advancing pairs of bodies, a pair of spiral faced vanes carried by said disc and located one on each side thereof and having curved tapered edges forming a wedge shaped member engageable with and be-



tween bodies of each pair for forcing them outwardly away from each other for removing the bodies from said feeding conveyor and for turning them simultaneously from their vertical position into a horizontal position and for depositing them onto the carriers of said discharge conveyors, and means on said carriers for guiding the turning bodies into place on said carriers and for holding them in a horizontal position on said carriers.

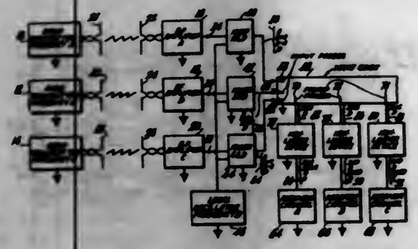
2,571,136
METHOD OF MAKING ICE CREAM
Ralph Horton, Groton, Conn., assignor to National Dairy Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 28, 1948, Serial No. 57,126
7 Claims. (Cl. 99—136)

1. A method of manufacturing ice cream, which comprises partially freezing an ice cream mixture with agitation to a soft, putty-like stage and to incorporate air in a finely dispersed form therein during the agitation so as to have an over-run of at least 125%, chilling said partially frozen mixture to a temperature to harden it to a shape-retaining plasticity, and then compressing said chilled and hardened ice cream having said shape-retaining plasticity so as to have an over-run of not over 100%.

2,571,137
RADIO-FREQUENCY DISTRIBUTION SYSTEM
William Hotine, Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 30, 1948, Serial No. 68,287
17 Claims. (Cl. 250—9)

1. In a radio communication system having a plurality of radio transmitters each operating on a different transmission frequency, the combination of, a plurality of radio frequency wave communicatory devices each adapted to communicate transmitted energy directed from a respective radio transmitter, a source of radio frequency signal having a substantially constant but predetermined frequency, means for non-linearly combining the output of all radio frequency communicatory devices with one another together with the radio frequency signal of predetermined frequency, a passive wave translating device connected with the output of said last-named means

for translating as a composite signal the signal derived from said radio frequency source as well as a portion of the combined signal produced by said last named means, said portion being exclusive of any transmitter transmission frequencies, a plurality of means each adapted to extract from said wave translating device an electrical version of the composite signal communicated by said



translating device, a plurality of non-linear signal communicatory means each respectively connected with the output signal of at least one extracting means, such to provide at the output of each of said non-linear signal communicatory means signal energy corresponding in frequency to at least one of the different transmission frequencies.

2,571,138

INFUSION PACKAGE WITH EXPANDIBLE BOTTOM AND METHOD OF MANUFACTURE THEREOF

Hans O. Irmscher, East Hempstead, N. Y., assignor to National Urn Bag Co. Inc., a corporation of New York

Application October 24, 1949, Serial No. 123,145
9 Claims. (Cl. 99—77.1)



1. In an infusion package body portion construction of the character described having heat-sealed top and side edge joint seams provided with a suspension string handle anchored on a midportion of said top seam joint, a crease-folded bottom opposite said top seam joint for said body portion manufactured with an inverted pleat expandable along the entire length thereof, the side edge joint seams normally having collapsed branches in aligned abutment terminating said pleat for automatically unfolding during infusion operation of said package body portion construction when suspended by the string handle to re-form said crease folded bottom in making an expanded structure thereof with said branches moved out of said aligned abutment.

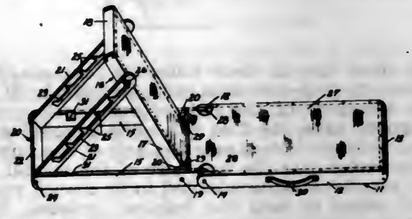
2,571,139

ANGULARLY ADJUSTABLE BEACH SEAT

Otto V. Johnsen, Gardner, Mass.

Application April 27, 1948, Serial No. 23,510
1 Claim. (Cl. 155—154)

A portable beach rest comprising a first substantially U-shaped frame including side bars, a pair of elongated substantially parallel bars disposed adjacent to the inner sides of the side bars of the first U-shaped frame and including inner and outer ends, the inner ends of said elongated bars being pivotally connected with the free ends of the side bars of the first U-shaped frame, spacer blocks secured to the inner sides of said elongated bars adjacent to their inner ends, a second substantially U-shaped frame extending longitudinally of the first U-shaped frame and including substantially parallel side rails disposed adjacent to the inner faces of the spacer blocks, the free ends of said side rails being pivotally connected with said spacer blocks and said elongated bars at points near and spaced longitudinally from the free ends of the side bars of the first U-shaped frame, a third U-shaped frame including side bars arranged adjacent to the inner faces of said elongated bars and adja-



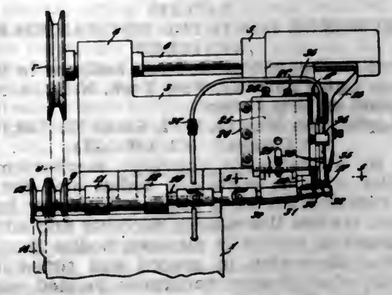
cent to the outer faces of the side rails of the second U-shaped frame, the third U-shaped frame having inner and outer ends, the outer end of the third U-shaped frame being pivotally connected with the outer ends of the elongated bars, the side bars of the third U-shaped frame being foldable into stowed positions between the elongated bars and the side rails of the second U-shaped frame, adjustable means connecting the side rails of the second U-shaped frame and side bars of the third U-shaped frame so that the angle of inclination of the second U-shaped frame may be varied, and a flexible fabric sheet secured to adjacent longitudinal edges of the first and second U-shaped frames and provided with openings adjacent to the inner ends of said elongated bars so that the elongated bars may be folded inwardly of the side bars of the first U-shaped frame for collapsing the beach rest.

2,571,140

CONTINUOUS TYPE LASTING MACHINE

Jacob S. Kamberian, West Newton, Mass.

Application December 20, 1947, Serial No. 792,913
18 Claims. (Cl. 12—1)



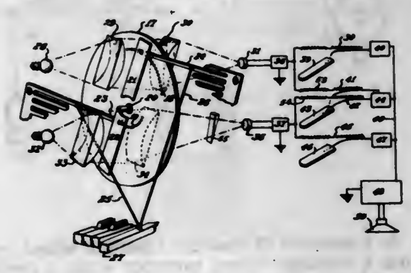
8. A machine for applying stretching stress to flexible sheet material, including front and rear, oppositely turning frusto-conical rolls whose axes are parallel and inclined downwardly in the direction of advance of the work, said rolls being operative to grip the sheet material and while stretching the latter concomitantly advancing the work uninterruptedly, a rotating helical wiping element operative uninterruptedly to engage the sheet material after it leaves the gripping means and uninterruptedly to stress said material in a direction approximately perpendicular to the direction of the stretching force exerted by the rolls, the axis of the wiping element being substantially parallel to the plane defined by the axes of said rolls, the helical element tapering in diameter with its smaller end at the rear, and means for directing a heating flame into the space between the rolls and the wiping element.

2,571,141

SELECTIVE PRODUCTION OF VOICES IN ELECTRICAL MUSICAL INSTRUMENTS

Armand F. Knoblaugh, Cincinnati, and John F. Jordan, Terrace Park, Ohio, assignors to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio

Application April 22, 1948, Serial No. 22,624
14 Claims. (Cl. 84—1.11)



1. In an electrical musical instrument, generating means for generating, over the range of the instrument, complex electric oscillations of symmetrical wave form, said oscillations containing substantial amplitudes of odd-order harmonics and non-substantial amplitudes of even-order harmonics, and circuit means for simultaneously deriving in an output system octavely related ones of said oscillations, said circuit means comprising attenuating means for reducing the amplitude of the higher frequency oscillations as respects the amplitude of lower frequency octavely related oscillations.

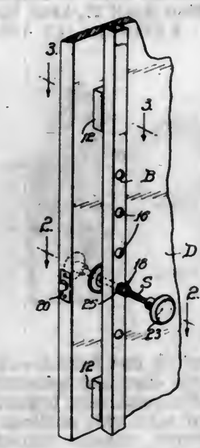
2,571,142

DOOR DEWARPING DEVICE

Fred G. Lando, Crystal Lake, Ill.

Application April 23, 1949, Serial No. 89,310
7 Claims. (Cl. 20—38)

5. A door dewarping device comprising an elongated presser bar mounting spaced contact blocks for engagement with one face of the door, an operating spindle for the door latch, means disposed exteriorly of the door latch for holding the spindle in operative relation therewith, and means forming part of the exteriorly disposed means in thrust engagement with the bar arranged to advance the bar with pressure lengthwise of the spindle whereby to transmit pressure through the bar to the contact blocks for application to the door face at spaced localized points and without interference with oscillatory



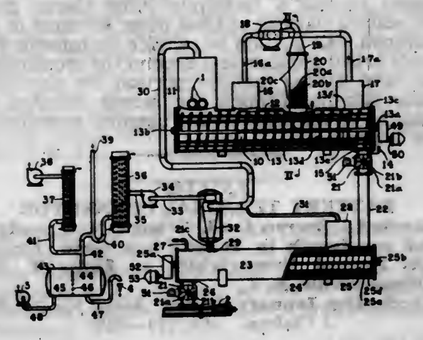
movements of the spindle for operation of the door latch.

2,571,143

DESOLVENTIZING OF SOLVENT-EXTRACTED SOLID PARTICLES

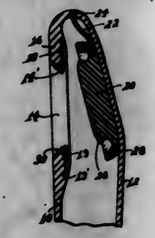
Eugene Hendricks Leslie, Ann Arbor, Mich.

Application March 28, 1947, Serial No. 737,915
3 Claims. (Cl. 34—182)



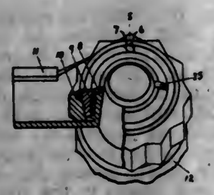
1. In apparatus for removing solvent from solvent-containing solid particles, in combination, an elongated casing forming a chamber having an entrance and an exit spaced therealong for said solid particles, a recirculation duct having its respective ends connected to said casing and opening thereinto at generally longitudinally spaced points, means for moving vapors through said recirculation duct, means for varying the temperature of said vapors in the course of their passage through said recirculation duct, movable means within said casing to move said solid particles between said entrance and said exit and to cascade said solid particles through the space within said casing generally between the respective ends of said recirculation duct, and an outlet duct for net evolved vapors connected to said casing nearer one end of said casing relative to the ends of said recirculation duct.

2,571,144
BAG-TYPE CONTAINER AND CLOSURE THEREFOR
Frederick Lobl, Middleboro, Mass.
Application April 27, 1949, Serial No. 89,848
4 Claims. (Cl. 150—8)



1. A generally flat flexible-wall container having oppositely disposed generally flat wall portions movable relatively toward and from each other, one of said wall portions having a mouth opening therein, means embedded in the wall portion which has said mouth opening, said means comprising a generally flat substantially rigid annulus disposed around said mouth opening in the general plane of the wall portion within which it is embedded and having diameter for stiffening the wall portion throughout an annular region having substantial radial extent outward from said mouth opening, closure means movably mounted within the container generally opposite the said mouth opening and operable in outward direction into sealing relation to said mouth opening and operable in inward direction to entirely clear said mouth opening, said closure means having a relatively large elastic flange for seating flatwise against inner surfaces of said stiffened wall portion to provide an interior relatively broad annular seal around the mouth opening, and having another portion for simultaneously passing through the mouth opening and adapted to seal the mouth opening exteriorly of the container.

2,571,145
BATTERY TERMINAL CONNECTOR
Francis Le Barron Lord, Orange, N. J., assignor of one-fourth to Violet Clara Grew, Orange, N. J., and three-eighths to Eloise T. Roe, Pleasantville, N. Y.
Application January 17, 1947, Serial No. 722,508
2 Claims. (Cl. 173—259)



1. A battery connecter assembly including: a connecter having a base portion, one end of which is provided with a fixed electrical connection, the other end having an upstanding, centrally taper-bored portion, tapered large to bottom and spaced away from the edge of the base to form a flange, said upstanding portion axially slit, externally taper threaded large to bottom, and adapted to receive a battery terminal post; a contracter provided with an axial slit, internally taper threaded large to bottom to mate the threads of the last-mentioned connecter and externally tapered small to bottom, one face of the slit formed with an abrupt face, the other face formed with a beveled face; a compressor internally taper bored small to bottom, to cooperatively receive the contacter, the upper rim of the bore provided with a flange, said bore having a key formed thereon, with one beveled and one abrupt face cooperating with the beveled and abrupt face of the axial slit, whereby upon rotation of the compressor in a clockwise direction the abrupt face of the compressor will press against the abrupt face of the contracter to cause it to advance on the externally threaded connecter, to compress the latter upon a battery terminal post received within the connecter.

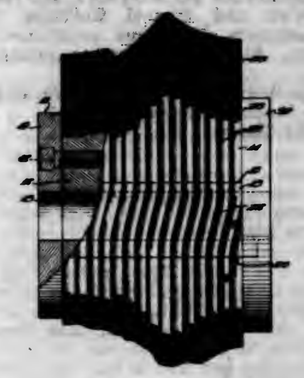
2,571,146
BUFFING WHEEL AND METHOD OF MAKING SAME
George Albert Lyon, Detroit, Mich.
Application September 12, 1950, Serial No. 184,446
8 Claims. (Cl. 51—193)



5. In a method of making a buffing wheel comprising a circular wheel member with a peripheral surface of irregular contour corresponding in cross section generally to that of the object to be buffed and having a cable, with a buffing strip projecting therefrom, in a generally spiral groove in said surface, the steps of attaching one end of the cable to an end of the wheel member in a position to enter the spiral groove of the member, progressively winding the cable under tension in the groove to bind it and the buff strip thereon in the groove and adjustably fastening the other end of the cable to the wheel member so as to hold the cable on the wheel with the wound strip conforming in cross section to the contour of the surface of said member.

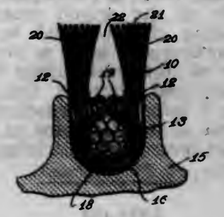
2,571,147
BUFFING WHEEL AND METHOD OF MAKING THE SAME
George Albert Lyon, Detroit, Mich.
Application November 9, 1949, Serial No. 126,353
4 Claims. (Cl. 51—193)

1. A buff assembly comprising an elongated arbor having a central axis of rotation and an irregular outer peripheral surface, said arbor having an axially extending recess in the surface thereof, a plurality of concentric grooves in said arbor surface extending from one lip of said recess to the other, a block insertable in said recess and having grooves in its outer surface extending across the periphery thereof and arranged to align with the ends of adjacent pairs of concentric grooves at one side thereof with the next adjacent grooves at the opposite side thereof, and a continuous buffing element in flat strip



form wound in the grooves of said arbor and said block and secured at its ends to said arbor.

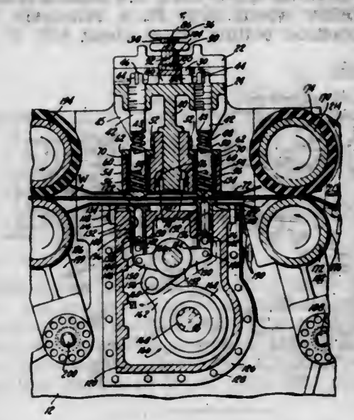
2,571,148
METHOD OF MAKING BUFFING WHEELS
George Albert Lyon, Detroit, Mich.
Application September 16, 1950, Serial No. 185,304
2 Claims. (Cl. 51—193)



1. In a method of making a buffing wheel out of a strip of buffing material folded about a cable for securing the strip in a peripheral spiral groove of a wheel, the steps of stitching layers of buffing material along two substantially parallel lines at a general medial area in a continuous strip of the material, applying a winding cable to the strip between said lines of stitching, winding said strip and cable into the spiral wheel groove and contemporaneously folding the sides of the strip about the cable in the groove while crowding and bulging the excess material, due to the folding of the strip, over the cable so that the cable is substantially enveloped by the folded material in the groove.

2,571,149
LEATHER COMPACTING AND BURNISHING MACHINE
John J. Maciejowski, Ipswich, and Richard W. Daniels, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 26, 1949, Serial No. 112,446
14 Claims. (Cl. 69—1)

1. In a machine for compacting and burnishing hides, a frame, anvil means on said frame, reciprocable means associated in cooperative relation with said anvil means and having a length of stroke terminating short of said anvil means, and means for feeding a spread-out work piece in a path leading between said anvil means and said reciprocable means, said feeding means comprising two cooperating rolls adapted to be driven at different speeds and one of said rolls

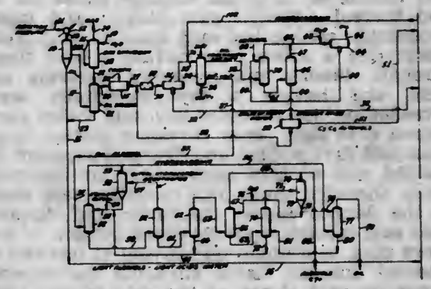


having a surface of yielding material for engaging one side of said work piece and the other roll having a hard and smooth surface for burnishing the other side of said work piece.

2,571,150
SEED FOR PRODUCTION OF TITANIUM DIOXIDE AND METHOD OF MAKING SAME
Max J. Mayer, Scarsdale, N. Y.
No Drawing. Application September 2, 1949, Serial No. 113,905
11 Claims. (Cl. 23—202)

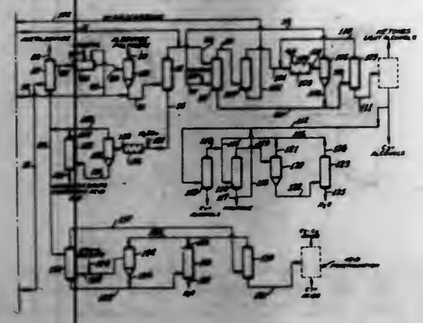
1. A stabilized heat-cured rutile inducing seed comprising a colloidal solution of nuclei of a titanium dioxide in HCl and stabilized with a monobasic organic carboxylic acid which is soluble in dilute HCl, said monobasic organic carboxylic acid being 3–80 millimols per mol of TiO_2 and the molar ratio of HCl to TiO_2 being from about 1 to 2.2.

2,571,151
SEPARATION OF ORGANIC COMPOUNDS
Henry G. McGrath, Elizabeth, Herbert J. Passino, Englewood, and Louis C. Rubin, West Caldwell, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application November 14, 1946, Serial No. 709,872
18 Claims. (Cl. 260—450)



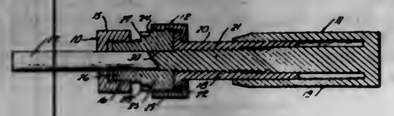
1. A process for recovering organic acids and alcohols contained in an oil product liquid phase

obtained from the condensation of the reaction product produced in the catalytic hydrogenation of carbon monoxide, which comprises: fractionating at least a portion of said oil product liquid phase to produce a relatively low boiling fraction boiling below about 200° F., a relatively high boiling fraction boiling above about 430° F. and



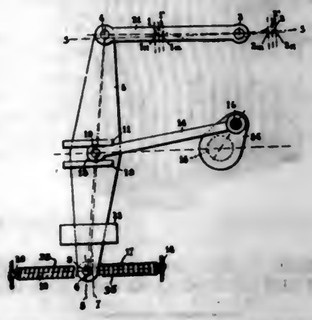
an intermediate boiling fraction comprising hydrocarbons, organic acids and alcohols; subjecting said intermediate boiling fraction to extraction with a solvent comprising a light alcohol to produce an extract phase comprising organic acids and alcohols and a raffinate phase comprising hydrocarbons; and separating the phases thus produced.

2,571,152
MICROMETER CALIPER ASSEMBLY
Kent W. McNaughton, Angelica, N. Y.
Application July 1, 1949, Serial No. 102,677
3 Claims. (Cl. 33—164)



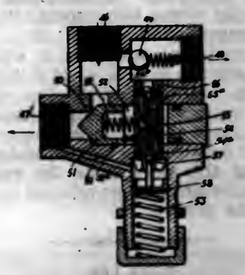
1. A micrometer gauge assembly comprising a micrometer frame having on one end an internally screw threaded socket provided with an aperture, a micrometer head including a screw threaded stem slidably and rotatably received in the aperture in said socket and an internally screw threaded sleeve threaded onto said stem and having an external annular flange on the end thereof adjacent said socket, and means detachably connecting said head to said frame comprising a screw plug having a bore therethrough slidably and rotatably receiving said stem and having a first externally screw threaded portion threaded into said socket and a second externally screw threaded portion larger than said first portion and disposed adjacent the flanged end of said sleeve, and an internally screw threaded union nut receiving said sleeve at the flanged end of the latter and threaded onto said second screw threaded portion of said screw plug, said union nut having at one end an internal annular flange engaging the external flange on said sleeve at the side of the latter remote from said screw plug to secure said sleeve to said screw plug.

2,571,153
APPARATUS FOR CONVERTING RECIPROCATING MOTION TO ROTARY MOTION
Ernest Mercier and Marcel Ehlinger, Paris, France, assignors, by mesne assignments, to Moore, Inc., Atlanta, Ga., a corporation of Georgia
Application August 7, 1948, Serial No. 43,084
In France September 2, 1947
11 Claims. (Cl. 74—40)



1. A transmission mechanism between a driving member actuated with a to-and-fro motion of variable amplitude and a driven crankshaft to which it is necessary to give a continuous rotary motion comprising a lever of which one point is connected to the driving member by a link and another point is connected by a rod to the crank pin of the driven crankshaft, said mechanism being characterized by means for pivotally supporting said lever so that said lever is only connected to fixed bearings through said pivotal support and through the medium of springs which it deforms alternatively according to the direction of the resultant of the stresses exerted on said lever by the driving and driven members.

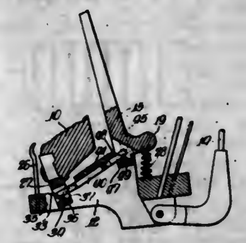
2,571,154
SERVO PRESSURE REGULATOR VALVE
Jean Mercier, New York, N. Y.
Application October 30, 1944, Serial No. 560,998
1 Claim. (Cl. 137—53)



An unloader valve comprising a valve casing provided with an inlet port, a utilization port, and an exhaust port, a check valve between said inlet and utilization ports to open and to permit the flow of pressure fluid from said inlet port to said utilization port at a pressure below a predetermined unloading pressure, a main valve including a valve seat between said inlet and exhaust ports and a valve body normally urged upon said seat from the inlet side thereof and acted upon by the pressure prevailing in said inlet port in the direction of opening said valve, a plunger chamber provided in said valve casing coaxially with said valve seat, a plunger element forming

an integral part of said valve body and fitting slidably in said plunger chamber, said plunger element being acted upon by the pressure prevailing in said plunger chamber to oppose opening of said valve, a tubular pilot valve chamber provided in said valve casing and opening at one end thereof into said utilization port rearwardly of said check valve and at its other end into a space in communication with said exhaust port, a pilot valve seat formed at said other end of said pilot valve chamber, a pilot valve cooperating with said pilot valve seat to close said pilot valve chamber from the outside, a spring holding said pilot valve on its seat unless the pressure in said pilot valve chamber exceeds said predetermined unloading pressure, an auxiliary valve seat at said first end of said pilot valve chamber, an elongated rod traversing said pilot valve chamber in axial direction with at least a slight clearance adjacent said first end and with considerable clearance at the other end of said pilot valve chamber, one end of said rod resting against said pilot valve and its other end projecting, in closed position of said pilot valve, from said first end of said pilot valve chamber and supporting an auxiliary valve body adapted to cooperate with said auxiliary valve seat when said pilot valve opens and to transmit to said spring the pressure prevailing in said utilization port regardless of the pressure drop resulting in said pilot valve chamber from the opening of said pilot valve, and a restricted passage connecting said plunger chamber with the part of said pilot valve chamber traversed with considerable clearance by said rod.

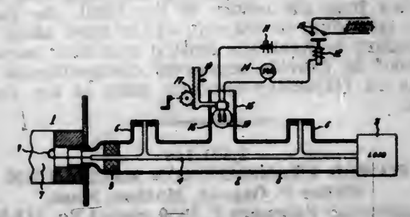
2,571,155
PIANO ACTION
Louis Messant, Raubaix, France, assignor to Pratt, Read and Company, Inc., Ivoryton, Conn., a corporation of Connecticut
Application March 22, 1949, Serial No. 82,757
17 Claims. (Cl. 84—240)



1. In a piano action, a first member, a second member pivotally supported on said first member, said second member including a pair of oppositely disposed wedge portions having edges which are substantially aligned, said first member having a recess for receiving the edge of one of said wedge portions, and a spring member engaging said first member and the edge of the other of said wedge portions for holding said first and second members in assembled relation.

2,571,156
ULTRA HIGH FREQUENCY FIELD RESPONSIVE APPARATUS
Richard B. Nelson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 12, 1949, Serial No. 104,355
4 Claims. (Cl. 177—311)

2. Apparatus responsive to the electromagnetic field strength of ultra-high frequency energy in a hollow conductor which comprises a hollow metallic attenuator connected to said conductor, said attenuator being a section of wave guide with cross section dimensions so small as to cut off propagation of waves at the frequency of said energy, a gaseous discharge device com-

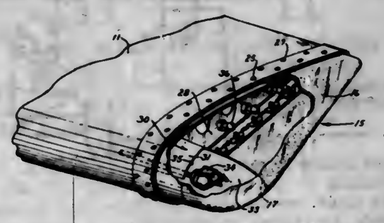


prising a pair of electrodes in a gaseous atmosphere subject to ionization by said energy, means for adjustably positioning said discharge device in said attenuator, a source of voltage connected to said discharge device, and current responsive signalling means in series with said source.

2,571,157
MANUFACTURE OF HIGH MOLECULAR WEIGHT THIOETHERS
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application October 11, 1946, Serial No. 702,585
6 Claims. (Cl. 260—609)

1. In the production of thioether in which aliphatic tertiary base olefin having from 8 to 25 carbon atoms per molecule is subjected to conditions for the incomplete condensation thereof with hydrogen sulfide to form a mixture of tertiary alkyl mercaptan and from 8% to 45% of unreacted tertiary base olefin, and in which said tertiary alkyl mercaptan is subjected to conditions for the condensation thereof with alkylene oxide to form thioether, the steps of conducting said condensation with said alkylene oxide of said tertiary alkyl mercaptan in the presence of said unreacted tertiary base olefin without separation of said unreacted tertiary base olefin from said tertiary alkyl mercaptan, and thereafter stripping from the resulting reaction mixture the unreacted tertiary base olefin contained therein.

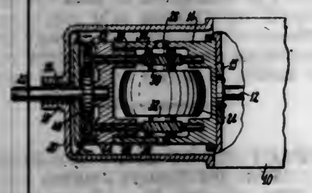
2,571,158
ILLUMINATED AIRCRAFT WING TIP
Jesse Orlansky, New York, N. Y.
Application March 4, 1949, Serial No. 79,661
3 Claims. (Cl. 244—129)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A wing-tip section for airplanes or the like comprising a shell of transparent material formed

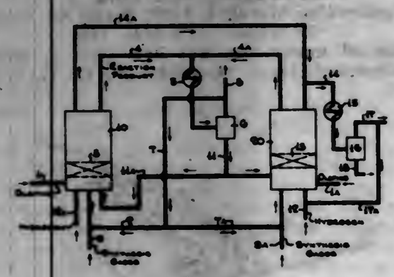
to the contour of and adapted to be positioned to constitute the wing tip of an airplane, a portion of the surface of the shell being frosted, another portion of the shell being clear, a strip secured along the edge of the shell for attaching it to the wing of the airplane, a partition of opaque material secured to the strip and projecting into the cavity of the shell, the partition extending to the wall of the shell along the boundary between the frosted and clear portions thereof to provide separated compartments for light on respective opposite sides of the partition.

2,571,159
POWER TRANSMISSION MECHANISM
Walter P. Osgood, Malden, Mass.
Application February 2, 1950, Serial No. 142,043
2 Claims. (Cl. 74—751)



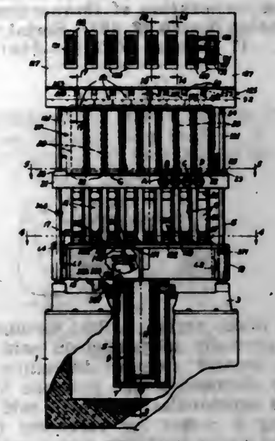
1. Mechanism of the class described comprising an input shaft, an output shaft coaxial therewith, a frame secured to said input shaft to rotate therewith, a gyro rotor having a shaft journalled in said frame with its axis of rotation perpendicular to the axis of rotation of the input shaft and frame, two auxiliary rotatable shafts journalled in said frame, said two shafts being parallel to the axis of rotation of the frame and symmetrically arranged with respect thereto, gear connections between said auxiliary shafts and rotor for rotation of both auxiliary shafts in the same direction and at the same speed when the rotor rotates on its axis, a gear wheel mounted on said output shaft, and a pinion mounted on each auxiliary shaft and meshing with said gear wheel.

2,571,160
OXO SYNTHESIS PROCESS
Paul T. Parker and George O. Hillard, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 25, 1946, Serial No. 705,706
4 Claims. (Cl. 260—638)



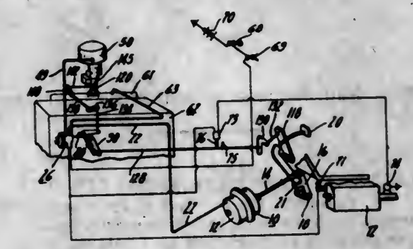
1. In an oxo synthesis reaction wherein olefins, carbon monoxide and hydrogen are charged to an initial oxo production zone containing a bed of active carbonylation metal catalyst under conditions adapted to produce reaction products comprising aldehydes containing one more carbon atom than said olefins and wherein catalyst metal compounds comprising the carbonyls of said metals are formed and are dissolved in said reaction products, the steps comprising maintaining in operating series an oxo production, a catalyst removal, and an oxo product reduction zone, withdrawing a solution comprising said oxo reaction products and containing therein dissolved catalyst metal compounds from said oxo production zone and charging it to said catalyst removal zone, maintaining an elevated temperature in said catalyst removal zone so as substantially to decompose said metal catalyst compounds and to deposit catalyst metal on a solid carrier material, charging a stripping gas to said catalyst removal zone, withdrawing said stripping gas and stripped carbon monoxide from said catalyst removal zone, withdrawing substantially unreduced aldehydic oxo product, substantially free of dissolved catalyst from said catalyst removal zone, passing said aldehydic product to said oxo product reduction zone, and periodically reversing the flow of material with respect to said initial reaction zone and said catalyst removal zone when the catalyst in said initial zone has reached a predetermined critical minimum amount.

2,571,161
AUTOMATIC RECORDING TUBE CALIPERS FOR INSIDE MEASUREMENTS WITHIN CYLINDERS
Foster M. Poole, Dallas, Tex.
Application February 23, 1946, Serial No. 649,650
20 Claims. (Cl. 33—178)



3. A measuring instrument comprising an inspection table, said table having master-sized openings therein, means for predeterminately positioning a multi-cylinder member to be internally measured with its cylinders substantially coaxial with the openings, a movable platen, a plurality of measuring transmitters mounted on the platen and respectively having pressure-operated gage members positioned respectively in said master openings when the platen is in one position, means for moving the platen with the transmitters to move the gage members of the latter from said master openings into the respective cylinders without pressure on the gage members, and means operative automatically at a predetermined elevation of the platen to apply pressure to move said gage members into measuring positions in the cylinders and to cause retraction of said platen and the transmitters.

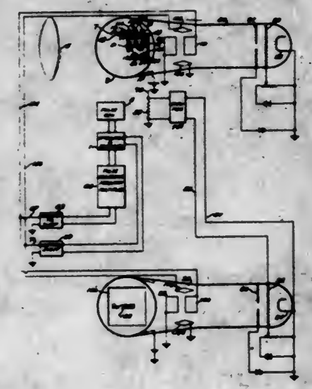
2,571,162
CLUTCH CONTROL MECHANISM
Harold W. Price, Bradenton, Fla., and Edward E. Hupp, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 8, 1947, Serial No. 740,158
7 Claims. (Cl. 192—.052)



1. In an automotive vehicle provided with a friction clutch, an accelerator, a change speed transmission and a vehicle speed responsive governor, power means for operating the clutch comprising a switch operated by the accelerator, a switch operated by the transmission, a switch operated by the governor, a pressure differential operated motor operably connected to the clutch and valve mechanism, constituting a single unit, for controlling the operation of said motor said unit including a casing, a pressure differential operated motor within said casing, a lever member pivotally connected to one of the parts of said valve, force transmitting means interconnecting the power element of said latter motor with one end of said lever member, a vacuum cutin three-way valve, a solenoid for operating said cutin valve, and accelerator operated force transmitting means connected with the other end of said lever member, fluid transmitting means interconnecting one compartment of the valve operating motor, a portion of the interior of the casing housing the three-way valve and the clutch operating motor, and electrical wiring interconnecting the aforementioned switches and solenoid, the parts of the clutch operating power means being so constructed and arranged that when the accelerator is released and the accelerator and governor operated switches are closed, said closure resulting in an opening of the cutin valve, then the manifold, by means of the fluid transmitting means and the three-way valve, is connected to both the clutch operating motor and the aforementioned compartment of the valve operating motor to effect a disengagement of the clutch.

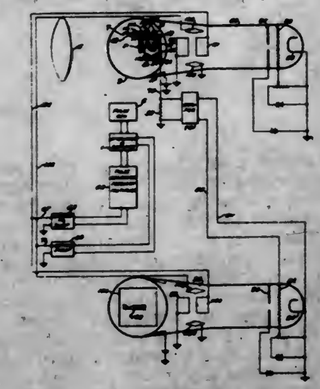
2,571,163
ELECTRIC SYSTEM
Robert H. Rines, Cambridge, Mass.
Original application February 18, 1946, Serial No. 648,482. Divided and this application May 5, 1948, Serial No. 25,244
32 Claims. (Cl. 315—1)

1. An electric system having, in combination, a plurality of permanently charged electrets, means for producing an electron stream for impinging on the plurality of electrets, and means



for causing the electron stream to scan the plurality of electrets.

2,571,164
ELECTRIC SYSTEM
Robert H. Rines, Cambridge, Mass.
Original application February 18, 1946, Serial No. 648,482. Divided and this application May 5, 1948, Serial No. 25,241
9 Claims. (Cl. 250—30)

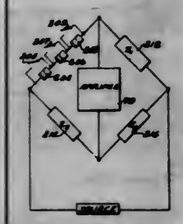


1. An electret element having, in combination, two spaced electrodes and a polarized wax base containing a radio-wave absorber-and-rectifier inserted between the two electrodes.

2,571,165
RADIO WAVE RECEIVING SYSTEM
Robert H. Rines, Cambridge, Mass.
Original application February 18, 1946, Serial No. 648,482. Divided and this application May 5, 1948, Serial No. 25,242
19 Claims. (Cl. 342—5)

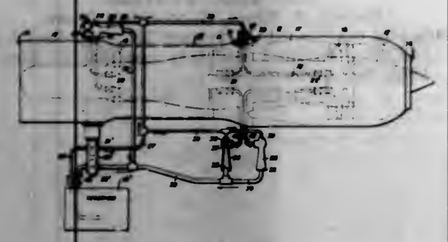
17. A bridge having arms one of which contains an electric network comprising a plurality of elements for receiving radio waves, each element comprising a permanently polarized dielectric base impregnated with a radio-wave-absorbing-and-rectifying material, and the other arms of

which contain fixed electrical elements, and means for indicating variations in the balance



of the bridge in response to radio waves received by the elements.

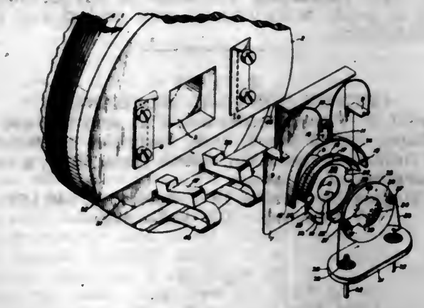
2,571,166
POWER PLANT LUBRICATION SYSTEM
Louis Rossetto, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1948, Serial No. 60,809
7 Claims. (Cl. 184—6)



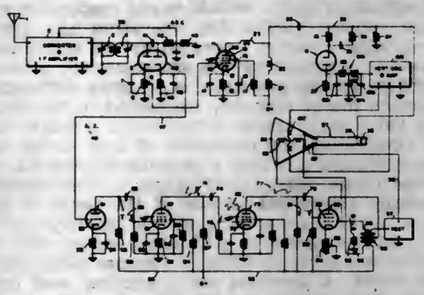
1. In a power plant having a rotor journaled on a plurality of bearings, lubrication apparatus therefor comprising a supply pump having its outlet connected to said bearings and operative to deliver lubricant under pressure to said bearings, a scavenge pump, and ejector means interposed in a communication connecting the outlet of said supply pump to the intake of said scavenge pump and subject to pressure differential between the discharge side of said supply pump and the intake side of said scavenge pump, said ejector means including a Venturi passage connected to said bearings for withdrawing excess lubricant from said bearings.

2,571,167
MASKING DEVICE FOR CRYSTALS
David M. Ruggles, Mount Tabor, and Arthur W. Warner, Jr., Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1949, Serial No. 136,302
10 Claims. (Cl. 171—327)

1. A mask for use in loading coating crystal units having a crystal supported by resilient wires connected to conducting coatings thereon, comprising a masking plate apertured to define an area to be coated therethrough, inclined guiding portions on said plate and positioned to assist in the seating of a crystal to be coated, and spacing shoulders extending from said plate for engagement with quiescent portions of the crystal, and said plate and shoulders having clearance channels therein to avoid contact with the resilient wires and conducting coatings of the crystal units.



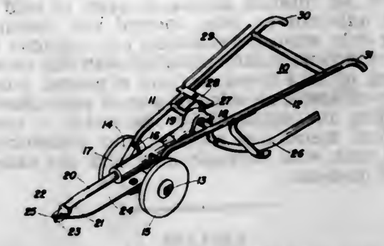
2,571,168
TELEVISION SYNCHRONIZING CIRCUIT
Robert W. Sanders, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application June 7, 1947, Serial No. 753,267
2 Claims. (Cl. 178—7.3)



2. In a television receiver, a horizontal synchronizing signal channel comprising, first, second and third stage vacuum tube amplifiers, two resistive-capacitive networks coupling respectively said first and second stage and said second and third stage vacuum tubes in cascade and each having a time constant which is approximately one-fifth of the reciprocal of the frequency of the synchronizing signal applied to said horizontal synchronizing channel, and a third resistive-capacitive network coupled to the output circuit of said third stage vacuum tube and having a time constant which is approximately one-half of the reciprocal of the frequency of said synchronizing signal.

2,571,169
REEFING MACHINE
Bert A. Shannon, Long Beach, Calif.
Application December 9, 1946, Serial No. 715,127
1 Claim. (Cl. 262—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A reefing machine comprising a pneumatic hammer, a reefing bit attached to said hammer and adapted to fit into the crack between the planks of a ship, a shoulder on said bit adjacent and generally facing one end thereof, a wheeled carrying means therefor, a planking shield stationarily mounted on said carrying means, said shield having a flat horizontally disposed portion with an elongated slot therein, said hammer and



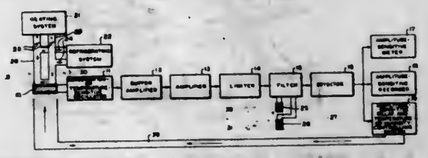
bit being so mounted on said carrying means that said bit extends through and is reciprocable within and has a component of movement longitudinally of said slot.

2,571,170
TOGGLE SPRING
William Earle Stilwell, Jr., Glendale, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 14, 1945, Serial No. 628,447
11 Claims. (Cl. 297—15)



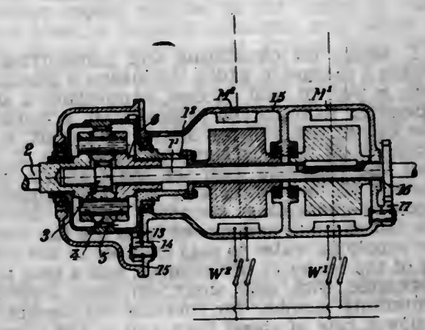
1. The combination of a snap spring comprising a central part, a rim part having a greater coefficient of hardness than said central part and having its material shaped to frusto-conical configuration, and a part interconnecting said central part and said rim part, the material of said interconnecting part being bowed away from said rim part; means for mounting said snap spring at the periphery of its rim part; and an element connected to said central part of the snap spring, whereby upon flipping of the snap spring said element is actuated.

2,571,171
DEW POINT HYGROMETER
Karl S. Van Dyke, Middletown, Conn., assignor to the United States of America as represented by the Secretary of War
Application July 4, 1945, Serial No. 603,242
6 Claims. (Cl. 73—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A resonance-controlled apparatus including a variable frequency oscillator, a resonance controlling piezoelectric element connected to said oscillator for controlling the frequency thereof, the resonance characteristics of said piezoelectric element being responsive to changes in ambient temperature, whereby the frequency of said oscillator follows the ambient temperature, and a frequency-discriminating circuit connected to said oscillator for converting the frequency changes of said oscillator into amplitude changes, said amplitude changes corresponding to the changes in said ambient temperature, a band-pass filter, piezoelectric elements within said filter for controlling the band-pass frequency characteristic of said filter, a heating and refrigerating system connected to said piezo-electric element and to said filter for alternately cooling and heating all of said piezo-electric elements, the temperature-frequency coefficient of the piezo-electric element connected to said oscillator having an opposite sign than the temperature-frequency coefficient of the piezo-electric elements within said filter, whereby alternate heating and cooling of said piezo-electric element produces a frequency change within said oscillator opposite to the change in the band-pass frequency characteristic of said filter due to said alternating heating and cooling of said filter.

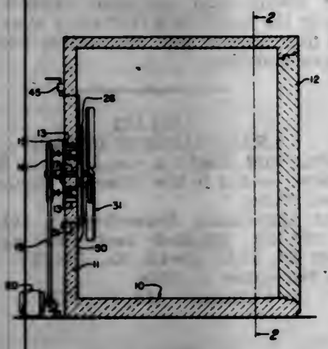
2,571,172
TRANSMISSION DEVICE
Leo Robin and Mathieu van Roggen, Sprimont, Belgium; vested in the Attorney General of the United States
Original application December 13, 1939, Serial No. 309,100. Divided and this application March 24, 1945, Serial No. 584,617. In Belgium December 13, 1938
4 Claims. (Cl. 74—675)



1. A device of the type described for transmission of driving power to a receiver member which comprises, in combination, a stationary frame, two concentric shaft members, free-wheel devices between said respective shaft members and said frame to permit each of said shaft members to rotate only in one direction, the same for both, with respect to said frame, a sun-and-planet wheel system including three parts journalled in said frame concentrically with said shaft members, to wit, a sun-wheel part, an orbit-wheel part and a planet-wheel carrier and planet wheels journalled in said carrier part and interposed between said sun-wheel and orbit-wheel parts, one of said wheel parts being keyed on one of said shaft members, another of said three parts being coupled with one of the remaining two members and the third part being coupled with the other of the remaining two members, to ensure the drive of said receiver member in the same direction when either of said shaft members rotates in the direction permitted by the free-wheel device associated therewith, an electric motor having both its armature and its

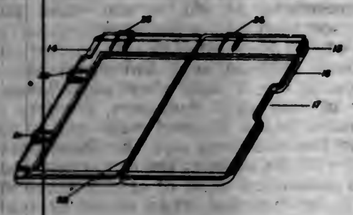
field winding journalled in said frame and coupled with said respective shaft members coaxially therewith, to drive each of them against the reaction supplied by the free wheel device associated with the other and switch means for reversing current distribution in said field winding to ensure the drive of each of said shaft members alternately.

2,571,173
AIR CIRCULATING AND HUMIDIFYING DEVICE
David M. Vaughan, Jefferson County, Colo., assignor to Robbins Incubator Co., Denver, Colo., a corporation of Colorado
Application September 26, 1946, Serial No. 699,363
4 Claims. (Cl. 261—30)



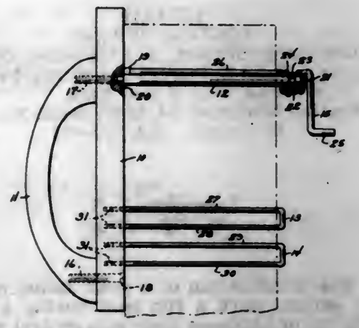
1. Means for circulating and humidifying air within a cabinet in which the means is associated with a wall of said cabinet, comprising a shaft extending through the cabinet wall, a motor on one side of the wall for driving the shaft, a fan mounted on the shaft at the other side of said wall and rotatable with the shaft at the speed thereof in one direction, a frame-supported moisture-containing member located between the fan and wall and spaced from the fan, means for supplying water to said member in the vicinity of the center of the member, and a gear train associated with said shaft and said moisture-containing member for rotating the member at a slower rate of speed than and in the opposite direction from said fan.

2,571,174
CODE DEVICE
Wilfred C. Washcoe, Arlington, Va.
Application August 5, 1944, Serial No. 548,287
5 Claims. (Cl. 281—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



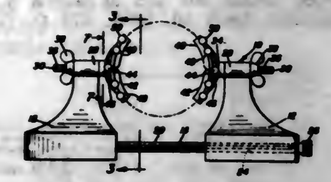
1. In a device of the character described, two elements foldable one upon the other, forming when unfolded a substantially rectangular body member, recesses in the said elements communicating only when the elements are unfolded with each other and communicating with the exterior of one of said elements through a slot in one edge thereof, an interior groove in each of said elements adjacent an edge thereof and communicating only when the elements are unfolded with each other and communicating with the exterior of each of said elements, and a second interior groove adjacent an edge of one of said elements extending for substantially the width of one of said first mentioned recesses and communicating at both ends through slots with the exterior of said element.

2,571,175
BANDAGE ROLLER
John J. Williams and Julius H. Rast, Charleston, S. C.
Application October 21, 1949, Serial No. 122,642
4 Claims. (Cl. 242—60)



1. A material roller comprising a base having a handle on one side thereof, a spindle having an annular groove in its outer end extended from the opposite side of said base, a finger extending adjacent to and parallel to said spindle, said finger being formed with a coil spring adjacent one end for receiving the outer end of the spindle, said spring terminating in a crank, and a pair of tensioning loops extended outwardly from the base in a plane extended through the axis of the spindle.

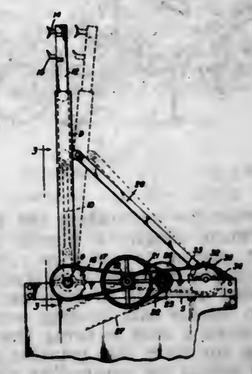
2,571,176
WATCH MOVEMENT HOLDER
Clarence D. Acrea, Willcox, Ariz.
Application February 8, 1950, Serial No. 143,116
6 Claims. (Cl. 81—6)



1. A watch movement holder comprising spaced supports, means adjustably attaching said supports to each other to vary the lateral spacing thereof, attaching means rotatably journaled in said supports, oppositely extending watch engaging arms, means mounting said watch engaging arms on said attaching means for pivotal

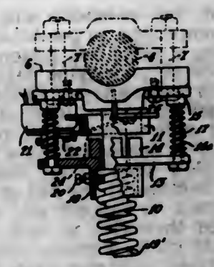
movement about an axis transverse the axis of rotation of said attaching means, means yieldingly urging said arms into engagement with a watch movement, means simultaneously locking said arms to each other and to said attaching means.

2,571,177
POWER SWUNG LOG TURNER
James B. Allen, Prineville, Oreg.
Application January 12, 1948, Serial No. 1,871
1 Claim. (Cl. 143—97)



A log turning device for saw mills, said device comprising a base frame, a hollow vertical guide pivoted at its lower end to said frame, a reciprocatable log turning bar disposed in said guide, power operated means connected to the lower end of said bar for actuating said bar, said guide being provided with a longitudinal slot, means connected with said bar and located partially within said slot for swinging said guide and bar into and out of log-engaging position, the last-mentioned means comprising an eccentric carried by said frame, a link connected with and operated by said eccentric, a bracket located in said slot and connected to said bar and having said link pivotally connected therewith, and said means for actuating said bar being operatively connected with said eccentric for actuating said eccentric.

2,571,178
SELECTIVE BELL CLAPPER SILENCER
William Merrill Allen, Glendale, Ohio, assignor to Sidney B. Merrill, Cincinnati, Ohio
Application August 23, 1950, Serial No. 181,027
6 Claims. (Cl. 177—288)



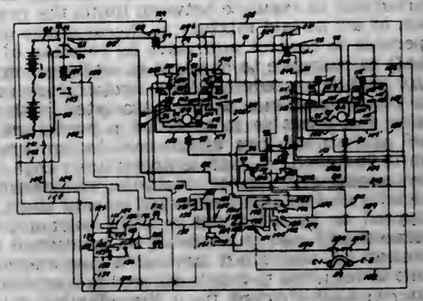
1. In a bell having a clapper swingable in a single plane, a damper comprising oppositely opposed projecting helical springs mounted on the clapper pendant within the plane of its swing, said springs being of sufficient length to contact the bell barrel and prevent the clapper from striking the sound bow of the bell and selective means permitting the retraction of said springs selectively to permit the clapper to strike the sound bow.

2,571,179
CENTRIFUGAL PUMP AND TURBINE REVERSIBLE FLUID TRANSMISSION
David B. Alexander, Pottstown, Pa.
Application February 13, 1947, Serial No. 728,322
4 Claims. (Cl. 60—54)



1. In a fluid transmission device, the combination, which comprises a driving rotor having blades in the periphery thereof, a driven rotor also having blades in the periphery thereof, a drum shaped casing surrounding the driving rotor and being provided with an elongated discharge orifice in its periphery wherein liquid discharged therefrom impinges the blades of the driven rotor, said drum shaped casing being rotatably adjustable to vary the position of said discharge orifice relative to the blades of said driven rotor, a housing enclosing said rotors, a liquid in said housing, said driving rotor and casing being partially immersed in said liquid while said driven rotor is disposed above the level of said liquid, the immersed portion of said casing being formed with inlet passages, means rotatably mounting the rotors in the housing, means connecting the driving rotor to a source of power, and means connecting the driven rotor to an operative element.

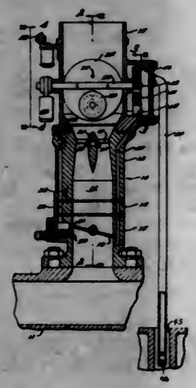
2,571,180
STEERING OPERATED CONTROL MECHANISM FOR ELECTRIC MOTOR DRIVES OF VEHICLES
Charles F. Ball and James W. Woolf, Franklin, Pa., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application August 16, 1946, Serial No. 690,856
6 Claims. (Cl. 180—6.28)



1. In a vehicle, a body having front and rear ends and two sides and running gear including

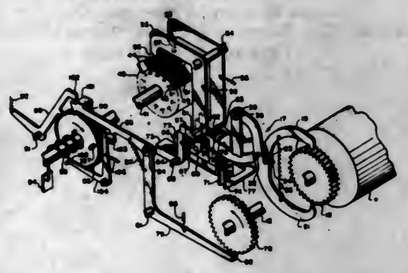
opposed drive wheels at the sides for one end and a steering wheel arrangement for the other end, a source of current, separate series driving motors for driving said drive wheels, means for selectively connecting said motors in series with each other to said source of current or in parallel to said source of current, said connecting means including a circuit comprising a pair of coils in parallel and connected to close parallel circuits for said motors when energized and normally closed switches in series with said pair of coils, the connecting means further including circuit means to control connecting the motors in series and means governed by one of the aforesaid pair of coils to interrupt the series connection of the motors, and means governed by the angle of the steering wheel arrangement for opening said normally closed switches whereby the circuit of the pair of coils is interrupted and the aforesaid means governed by one of the aforesaid pair of coils operates to connect the motors in series.

2,571,181
CARBURETOR CONTROL
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 29, 1946, Serial No. 713,051
1 Claim. (Cl. 123—179)



In an internal combustion engine having a carburetor adapted to mix air and fuel and a self-starter adapted to crank said engine, a choke valve mounted upon a shaft and rotatable in said carburetor to regulate between limits the proportion of air in said mixture, a thermostatic device operable to control said valve by rotation of said shaft in response to changes in engine temperature within a predetermined temperature range, an electromagnetic device associated with said valve and operable to establish a predetermined fuel and air mixture within certain temperature limits included in said temperature range, said electromagnetic device including a stationary solenoid and an element keyed to said shaft and adapted to be attracted by said solenoid, said solenoid and said shaft being so positioned that rotation of said shaft beyond a predetermined limit in response to increased engine temperature removes said element from the effective field of said solenoid and means to energize said solenoid as an incident to each actuation of said self-starter.

2,571,182
VERTICAL TABULATION MECHANISM FOR TELEGRAPH PRINTERS
Edward T. Baldwin, River Forest, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application June 10, 1949, Serial No. 98,233
15 Claims. (Cl. 178—42)



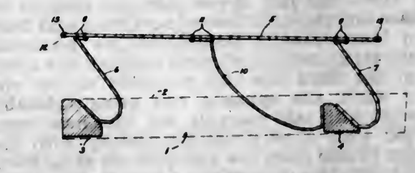
1. In a device for facilitating the printing of forms of uniform length, a platen, means for rotating said platen to advance forms thereabout, means for holding said platen against rotation, means operable in response to a line feed signal to release said holding means to advance said platen a step to bring the next successive line on the form into printing position, a selective stop means for controlling said holding means, means responsive to a vertical tabulating signal to release said holding means to cause said platen rotating means to advance said platen to a predetermined position as determined by the selective setting of the stop means to thereby bring a line on the form other than the next successive line into printing position, and means responsive to a form feed out signal to release said holding means to advance said platen to a predetermined position as determined by the selective setting of the stop means to thereby bring the next succeeding form into printing position.

2,571,183
TRACK BALLASTING
Albert W. Banton, Jr., and Paul E. Banton, Yorktown, Va.
Application September 17, 1949, Serial No. 116,335
8 Claims. (Cl. 104—7)



1. Equipment for reconditioning a railroad right of way comprising, in combination: a shallow plow having a large flat bottom adapted to engage and slide on underlying earth; said plow having a pointed breast adapted to thrust to either side all material above the level of its bottom; said plow being of sufficient width to plow a strip at least as wide as the length of a railroad tie; skids on said plow adapted for sliding engagement with the bottoms of the ties of a previously laid railroad track, to support said ties and the track associated therewith as said plow moves along under said track; positive guide means in the nature of front and rear axles mounted on said plow and positioned above said plow; each axle carrying a pair of flanged wheels having guiding engagement with the rails of the track, whereby said plow is held in alignment with said track as it moves along; tension means extending forward from said plow on each side thereof; said tension means having connections at its front end for connecting it to a locomotive or equivalent traction means; and means for connecting the rear end of said tension means to said plow; said tension means being adjustable to vary the direction of pull of said plow in a vertical plane; said tension means on each side including an upper cable connected to deliver tension well above the center of resistance of said plow; a lower cable connected to deliver tension well below the center of resistance of said plow; and means at the forward ends of said upper and lower cables for varying the effective length of said cables; whereby any deviation by said plow in the vertical plane from the desired path abruptly transfers the effective pulling force to a position exerting a strong corrective force on the plow.

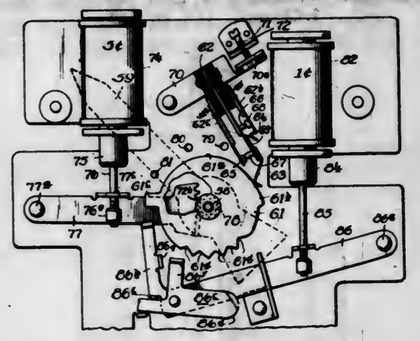
2,571,184
ZIGZAG SPRING SEAT
Ralph C. Bateman and Benjamin J. Schnitzer, Akron, Ohio, assignors to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application October 26, 1946, Serial No. 706,000
3 Claims. (Cl. 155—179)



1. A seat including a rigid frame, a plurality of members positioned side by side above the frame, each member comprising a substantially straight load-carrying portion formed of zig-zag spring wire, front and back support legs for said portion and formed of zig-zag spring wire, said legs being substantially of the same size and having substantially a J-shape with curved bottom and with the upper end of the J being secured to the load-carrying portion at points spaced from the ends thereof to provide cantilever overhangs at each end of the load-carrying portion and with the lower end of the J being secured to the frame, each J being tilted so as to be positioned out of the vertical and in the same direction, and a center support made of zig-zag spring wire and extending substantially from the center of the load-carrying portion on a curve to connect to the frame adjacent one of the legs.

2,571,185
PERIOD TIMING MECHANISM
Clifford V. Bates, Chicago, Ill.
Application April 4, 1947, Serial No. 739,523
14 Claims. (Cl. 161—15)

1. A period timing mechanism, comprising; a clock; a rotatable control means operatively connected to the clock to be rotated thereby, said control means having an extended portion and a series of spaced indentations; a lever mounted for rotation about a fulcrum and having a first portion adapted to engage said extended portion and a second portion adapted to engage at least one indentation; means for operating the lever to cause said first portion to engage the extended portion and turn the control means to a position where said second portion engages said indentation to turn the control means further; means for again operating the lever to cause the second portion to engage a succeeding indentation and turn



the control means an increment of the first distance; and means coacting with the control means for stopping the effective operation of the clock at the end of a predetermined time.

2,571,186
LENS MOUNT
Frederic L. Baxter, Jr., Pound Ridge, N. Y., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn.
Application July 18, 1950, Serial No. 174,377
10 Claims. (Cl. 88—57)



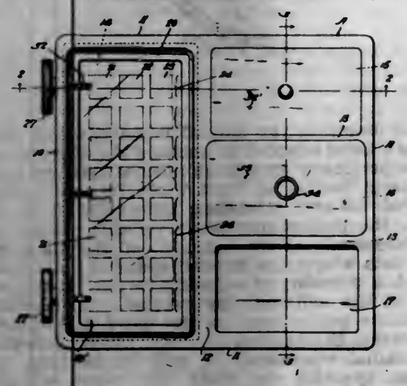
1. A mount for an optical element, which comprises a band adapted to encircle the element and fit its periphery snugly at normal temperatures, the band having at least three like projections secured to and extending outwardly from the band, the projections being equally spaced circumferentially of the band, a cell having a section, into which the banded element may be inserted, a plurality of separate means on the section of the cell defining recesses for receiving respective projections on the band and thereby supporting the banded element, while permitting free radial movement of said projections, and means operable to shift the recess-defining means and the projections circumferentially of the cell section to center the element.

2,571,187
LENS MOUNT
Frederic L. Baxter, Jr., New Canaan, Conn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn.
Application September 21, 1950, Serial No. 186,007
7 Claims. (Cl. 88—57)



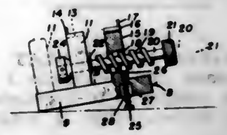
1. A mount for an optical element, which comprises a cell having a section larger than the element and means at one end of the section adapted to be engaged by one face of the element, an endless metallic band adapted to encircle the element and fit its periphery snugly at normal temperatures, at least three metallic strips, each having an end rigidly secured to the outer surface of the band, the connections of the ends of the strips to the band being equiangularly spaced along the band and the strips extending tangentially from the band in the same rotational direction, and a plurality of means on the cell engaging and holding the outer ends of the respective strips, each of said means being operable independently of the others to shift the strip held thereby endwise to vary the position of the center of an element held within the band.

2,571,188
DEVICE FOR THE EXAMINATION OF POSTAGE STAMPS
Norman A. Benson, Akron, Ohio
Application August 28, 1947, Serial No. 771,035
2 Claims. (Cl. 88—14)



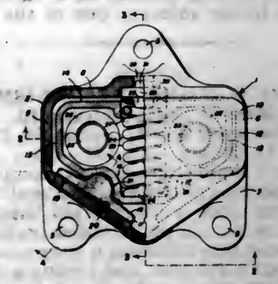
1. A device for the examination of postage stamps, comprising: a body with a substantially flat uppermost portion having a compartment, a transparent panel area covering said compartment at the uppermost portion of the body and having postage stamp sized locating markings, and a traveling exhibitor strip having selective stamp perforation, color scheme, water-mark and yearly issue date indicia, respectively, confined in the compartment below the panel area and arranged to register with the locating markings for visibility of such indicia.

2,571,189
JEWELER'S VISE
Fridolin E. Bersche, Waterloo, Ill., assignor of forty-nine per cent to Robert L. Jacobs, Jacksonville, Ill.
Application April 16, 1947, Serial No. 741,759
3 Claims. (Cl. 81—6)



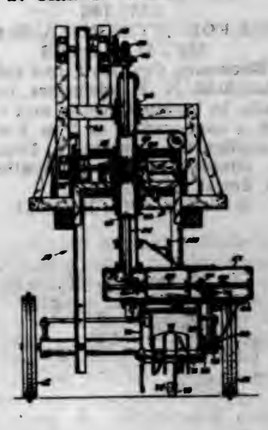
1. A jeweler's vise of the class described comprising a base having an upstanding fixed centrally apertured jaw, a movable jaw slidable on said base and movable toward and from said fixed jaw, a longitudinally shouldered jaw adjusting and operating member slidable through the aperture in the fixed jaw and provided at one end with a knob, the opposite end being rotatably connected with said movable jaw, said base being provided with a bore communicating with the aperture in said fixed jaw and opening at its lower end through the underside of said base, a latch slidable in said bore, the lower end of said latch being projectible through and beyond the lower end of said bore and provided with an expansion spring, whereby upon catching hold of said knob and lifting said base, the spring projects the latch and releases the same from engagement with the shoulders, and upon returning the base to a firm resting position on a bench the latch retracts and re-engages said shoulders.

2,571,190
RESILIENT SIDE BEARING
Emil H. Blattner, Buffalo, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland
Application April 14, 1949, Serial No. 87,542
14 Claims. (Cl. 308—138)



1. In a side bearing, the combination of, a housing having a vertical wall thereof formed V-shaped in plan, a cap extending into said housing and having sockets opening toward said wall, shoes movably mounted in said sockets and in frictional contact with said wall, said shoes arranged V-shape in plan for resisting longitudinal movement of said cap relative to said housing, spring means urging said shoes against said wall, and spring means urging said cap outwardly of said housing.

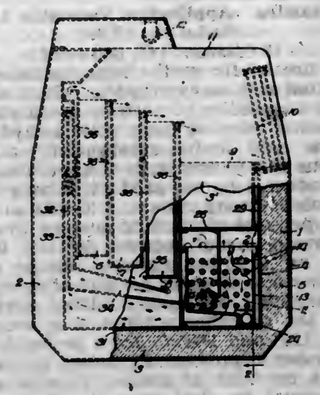
2,571,191
POWER CULTIVATOR
Lawrence E. Bowman, Greenfield, Ind.
Application October 4, 1946, Serial No. 701,269
17 Claims. (Cl. 97—43)



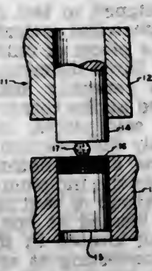
9. A cultivator comprising a main frame, a prime mover mounted on said frame, a gear supported on said frame for rotation about a vertical axis, a tubular shaft journalled on said frame, having a splined connection with said gear, and vertically reciprocable on said axis with respect to said gear, a drive train operatively connecting said prime mover with said gear, said drive train including a clutch, a second shaft journalled in said tubular shaft for reciprocation therewith and rotation relative thereto, coaxial with said tubular shaft and projecting through said tubular shaft from end to end thereof, a second gear splined on the upper projecting end of said second shaft and supported on said frame for rotation about said axis, a drive train operatively connecting said prime mover with said second gear, a rotor, cultivator blades carried by said rotor, means suspending said rotor from said tubular shaft, wholly outside said vertical axis, for rotation about a horizontal axis and to move with said tubular shaft, means providing a driving connection between said second shaft and said rotor, manually-manipulable means for engaging said clutch, and means for automatically disengaging said clutch when said tubular shaft reaches a predetermined position of rotation about said vertical axis, including a rotationally fixed clutch actuator and an element moving with said tubular shaft and engageable with said actuator when said tubular shaft reaches such position.

2,571,192
DEFROSTER
Edward F. Brill and Orval W. Schroeder, Milwaukee, Wis.
Application November 26, 1948, Serial No. 62,143
5 Claims. (Cl. 62—101)

1. In combination with a refrigerated space, a chamber within said space, a heat transfer device in said chamber, said device having frost accumulating surfaces, and means for supplying defrosting liquid into said chamber to a level submerging the frost accumulating surfaces of said heat transfer device to defrost same and for removing the defrosting liquid from said chamber after defrosting, the means for supplying defrosting liquid into said chamber comprising a pump having a conduit leading from said pump into said chamber, said pump being a centrifugal pump disposed at a level below the level of said chamber and of a character which when shut off will permit the liquid to flow back through it by gravity from the chamber, and when in operation will prevent such flow of liquid back from the chamber.



2,571,193
MOLDING PLASTIC ARTICLES
Neil O. Broderson, Rochester, N. Y., assignor to Rochester Button Company, Rochester, N. Y., a corporation of New York
Application May 18, 1950, Serial No. 162,678
6 Claims. (Cl. 18—48.3)



1. A method of making articles of variegated color which comprises placing in a die a body of powdered material to be molded and at least one frangible pill differing in color from the body material, said pill having substantially less cross-sectional area than the body material, subjecting the materials in the die to pressure whereby the body material is compressed and the frangible pill is fractured and caused to penetrate into and spread in localized areas only of said body material, and thereafter subjecting the compressed material to indurating conditions.

2,571,194

PROCESS FOR THE MANUFACTURE OF METHACRYLIC ACID ESTERS FROM ACETONE CYANHYDRIN

Abraham Brothman, Long Island City, N. Y., assignor, by direct and mesne assignments, of one-half to A. Brothman and Associates, Long Island City, N. Y., a partnership, and one-half to Process Plants Division of Industrial Process Engineers, Newark, N. J.

No Drawing. Application November 6, 1948, Serial No. 58,803
13 Claims. (Cl. 260—486)

11. A process for synthesizing methacrylic acid esters from acetone cyanhydrin, which comprises reacting a quantity of acetone cyanhydrin with a compound selected from boric anhydride and pyroboric acid under substantially anhydrous conditions at a temperature of approximately 50° C. to produce a borate product, mixing from 1.2 to 1.6 mols of strong mineral acid with said borate product per mol of starting acetone cyanhydrin at a temperature of between 60° and 80° C. to produce an acidified mixture, mixing approximately one mol of water per mol of starting acetone cyanhydrin with said acidified mixture and heating the resulting mixture to a temperature between 120° and 160° C. for a period of from 1 to 5 minutes to produce a reaction mixture containing a quantity of methacrylamide approximately equal to that theoretically producible from the starting quantity of acetone cyanhydrin, cooling said reaction mixture to a temperature of approximately 60° C., mixing an alcohol with the cooled reaction mixture and reacting the alcohol with the methacrylamide to produce the methacrylic acid ester of the alcohol, and recovering said ester.

2,571,195

SET OF GAME PIECES

Gordon Fennien Buck, Glencoe, Ill.

Application July 1, 1949, Serial No. 102,602
7 Claims. (Cl. 273—137)



7. A game designed to test a player's skill in constructing geometrical patterns, including a set of square playing pieces of uniform size wherein at least two of three different types of distinguishing indicia generally designated as X, Y and Z are located at the corners and mid-points of the sides of said pieces, one group of said pieces having only the indicium Y located at the mid-point of one side, another group of said pieces having only the indicium Y located at one corner, another group of said pieces having only the indicium X located at one corner with the indicium Y being located in the mid-points of the two sides intersecting at said corner having the indicium X, another group of said pieces having only the indicium Z located at the mid-point of one side with the indicium Y being located at each of the two corners at the ends of said side having said indicium Z, another group of said pieces having only the indicium X located at two adjacent corners with the indicium Y being located at the mid-points of the three sides which intersect at the two corners bearing the indicium X, another group of said pieces having only the indicium Z located at the mid-points of two intersecting sides with the indicium Y located at the three corners adjacent said indicia Z, another group of said pieces having only the indicium X located at three of the corners with the indicium Y being located at the mid-point of each of the four sides, another group of pieces having only the indicium Z located at the mid-points of three sides and the indicium Y located at each of the four corners, another group of said pieces having the indicium X located at each of the four corners, with the indicium Y being located at the mid-point of each of the four sides, and another group of pieces having the indicium Z located at the mid-point of each of the four sides, with the indicium Y located at each of the four corners.

2,571,196

MACHINE FOR SEVERING AND SHAPING METAL PLATES

James H. Bucknam, Cranford, and John H. Rountree, Plainfield, N. J., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Original application January 9, 1945, Serial No. 572,064. Divided and this application February, 19, 1949, Serial No. 77,354
5 Claims. (Cl. 266—231)



1. A blowpipe machine comprising a transverse bridge member; trucks under each end of said bridge member and secured thereto, spaced parallel rails on which said trucks run to provide longitudinal horizontal movement of said bridge member; a track secured to one side of said bridge member; adjustable means for supporting said track on said bridge member at selected distances therefrom and at selected angles thereto; a blowpipe supporting carriage unit mounted on and movable along said track; a rotatable drive member in driving engagement with said track; a shaft mounted in said blowpipe supporting carriage for operating said drive member; and means for operating said shaft to move said blowpipe unit along said angularly disposed track.

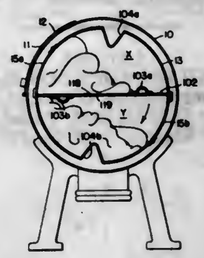
2,571,197

STOP CONTROL FOR PARTITIONED WASHERS

Benjamin Alvin Buss, East Moline, Ill., assignor to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application October 26, 1949, Serial No. 123,681
8 Claims. (Cl. 68—143)

1. A horizontal washer comprising, in combination, a cylinder rotatable about its horizontal axis, a flat partition including said axis dividing said cylinder into two compartments, an unloading station substantially at the level of said cylinder axis located to one side of said cylinder, two openings in the side of said cylinder so placed relative to said partition that each compartment may be unloaded at the same station with said partition in substantially horizontal position, a door for each of said openings, means for turning said cylinder in such direction that the load in each compartment, after falling to the bottom of said cylinder, will be carried up to the level of said unloading station stacked proximate to the door of that compartment, a device for stopping said cylinder with one or the other of said two doors in alignment with said unloading station, said device including means for selecting the compartment whose door is to be stopped in alignment with said unloading station, means for initiating stopping and automatic leveling means adapted to become effective when, after initiation of stopping, said turning means turn said cylinder in said direction, and to thereafter reverse the



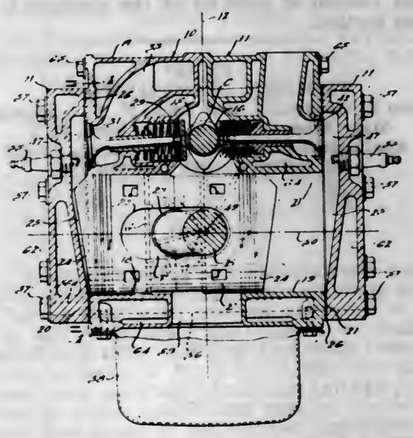
direction of rotation of said cylinder each time the door of the selected compartment rises or falls below the limits of a limited angular range, thereby confining the movement of said cylinder to oscillations of limited amplitude, and a restraining means extending up from each face of said partition, each of said restraining means being located toward the rear of the compartment as seen from the coordinated door, to prevent the stacked load in the selected compartment from sliding toward the rear end of that compartment during said oscillations of limited amplitude.

2,571,198

ENGINE

John P. Butterfield, Grosse Pointe Woods, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application March 24, 1948, Serial No. 16,647
3 Claims. (Cl. 123—56)



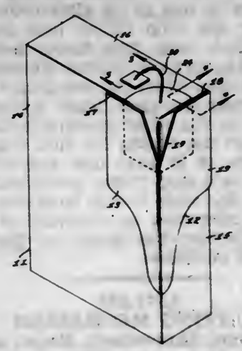
1. In an engine of the double acting type, in combination, a cylinder block structure having a cylinder extending therethrough, a rotatable crankshaft journalled in said block structure and having a crank portion disposed within said cylinder, a piston structure reciprocably mounted in said cylinder and provided with a piston head at each end thereof, means operably connecting said piston structure with said crank portion, a rotatable camshaft journalled in said block structure, means for driving said camshaft from said crankshaft, a pair of adjacently positioned intake and exhaust valves disposed adjacent each end of said cylinder, the exhaust valve at one end of the cylinder being disposed opposite the intake valve at the opposite end of the cylinder and the intake valve at said one end of the cylinder being disposed opposite the exhaust valve at said opposite end of the cylinder, means for operating said valves in response to rotation of said camshaft, a pair of similarly constructed interchangeable cylinder heads adapted to be detachably secured to the opposite ends of said block structure, one head being at each end of said cylinder and each head having a combustion chamber portion overlying one end of said cylinder having a valve chamber portion connected thereto, and each of said valve chamber portions overlying a pair of said valves, the valve chamber portions of said oppositely disposed cylinder heads being disposed in offset relation to a plane normal to the axis of said crankshaft and containing the axis of said cylinder such that the valve chamber portion of one of said cylinder heads is axially offset for the most part to one side of said plane and the valve chamber portion of the other said cylinder heads is axially offset for the most part to the other side of said plane.

2,571,199

CARTON WITH CORNER-SHAPED CLOSURE CAP

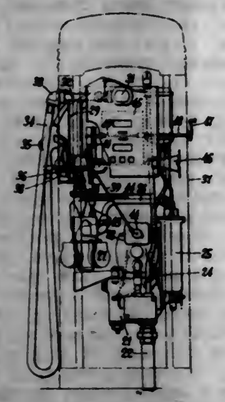
William B. Butler, Trenton, N. J.

Application November 1, 1949, Serial No. 124,875
5 Claims. (Cl. 222—543)



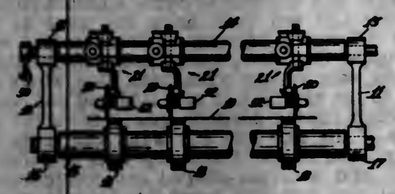
1. In a carton having a top wall and adjoining side and end walls depending from side and end edges said top wall to define a carton corner, said side and end walls being cut away to define a dispensing opening having said top wall as its upper boundary, a strip extending vertically along said corner comprising side wings secured to the exteriors of said side and end walls, said wings having portions spaced from the exteriors of the side and end walls and from the side and end edges of said top wall to define a sheath, and a corner-shaped cap comprising a top wall and sidewalls depending therefrom and downwardly inserted in said sheath between the exteriors of said carton side and end walls and said wings with the cap top wall overlying the carton top wall and closing said dispensing opening.

2,571,200
INTERLOCKING MECHANISM FOR GASOLINE DISPENSING PUMPS
George E. Chevalier, Salisbury, Md., assignor to Martin & Schwartz, Inc., Salisbury, Md.
Application June 6, 1950, Serial No. 166,330
6 Claims. (Cl. 222—35)



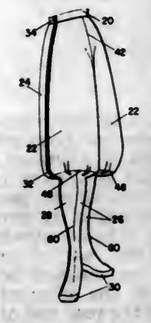
1. Interlocking mechanism for liquid dispensing apparatus including a flow register having a reset shaft, comprising a casing, a slide bar reciprocably mounted in the casing, an oscillative latch pivotally mounted in the casing and formed with trigger and stop fingers, a spring in the casing having a portion bearing against the latch and adapted to retain the same in alternative positions, a trigger stud on the slide bar and adapted when said bar is moved in one direction to engage the trigger finger of the latch and shift the same to one of its alternative positions and to bring the stop finger into the path of the trigger stud, said stop finger being of less length than the trigger finger whereby reverse movement of the slide bar enables the trigger stud to cam over the stop finger without restoring the latch to the other of its alternative positions, a stop on the casing for said trigger finger when the same is in said one alternative position whereby said stop finger prohibits repetitive movement of the slide bar in said one direction, and a crank operative by rotation of the reset shaft for restoring the latch to the other of its alternative positions.

2,571,201
SLITTING MECHANISM
Everett W. Clem, Shrewsbury, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 3, 1947, Serial No. 777,680
7 Claims. (Cl. 164—60)



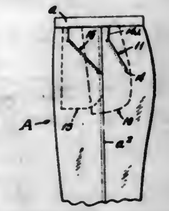
1. A slitting machine for slitting a flowing web, comprising, a first rotatable web-slitting member disposed at one side of the web, a support member disposed at the other side of said web, a head mechanism carried upon said support, a second web-slitting member in the form of a disk rotatably mounted upon said head mechanism and normally disposed in engagement with said first web-slitting member, fluid-actuated means for axially shifting said disk relative to said head mechanism and away from said first web-slitting member, manually operable valve means located remotely from said head mechanism for controlling said fluid-actuated means, and means for rotating said head mechanism about said support and angularly away from said first web-slitting member.

2,571,202
RAIN- AND SLUSHPROOF GARMENT
Joseph Clyne, Bronx, N. Y.
Application July 24, 1948, Serial No. 40,585
10 Claims. (Cl. 2—227)



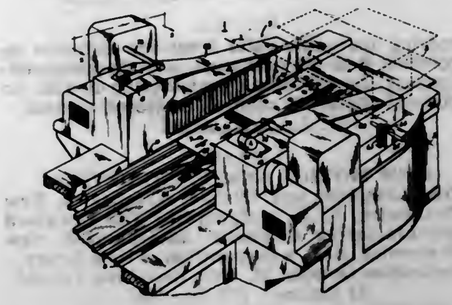
1. A one-piece pants- or trouser-like garment having leg portions with considerable fullness to a point below the knee of the wearer, lower leg portions which substantially fit the ankles and lower portions of the legs of the wearer, the lower ends of each leg portion including a foot-enclosing section having a sole suitable for walking purposes attached thereto, and a slide fastener means extending from the sole along the outer portion of each leg of the garment to its waist portion.

2,571,203
TROUSER CONSTRUCTION
Helen C. Cookman, New York, N. Y., assignor to Mary Ellen Cookman, New York, N. Y.
Application June 9, 1948, Serial No. 31,925
1 Claim. (Cl. 2—227)



In a trousers having a waistband and side seams, a side pocket secured to the waistband forwardly of the side seam and having an entrance opening, and a hip pocket distinct from said side pocket secured at its upper end to the waistband to depend therefrom to overlie the side of the leg, said hip pocket having a forward portion thereof overlapping the side pocket and having an entrance spaced rearwardly of the side seam and of said side pocket entrance opening.

2,571,204
APPARATUS FOR GLUING PACKAGES
John D. Conti, Philadelphia, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 18, 1949, Serial No. 77,116
7 Claims. (Cl. 91—51)



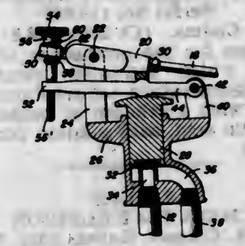
1. Apparatus for sealing cartons comprising means for conveying a carton having its upper end open and its upper flaps projecting laterally therefrom, containers for an adhesive on opposite sides of the conveying means, applicator means projecting above the containers for transferring adhesive from the containers to the underside of the side flaps as the carton is conveyed past the applicator means, the containers being movable in a direction transverse the direction of travel of the conveyor means, means for adjustably moving the containers, and means actuated by contact of the carton therewith for automatically initiating operation of the adjusting means.

2,571,205
TOILET COMB
Eric Leopold Hugo Cosby, London, England
Application November 22, 1948, Serial No. 61,460
In Great Britain December 15, 1947
9 Claims. (Cl. 132—11)



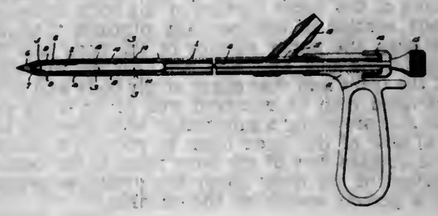
1. A comb structure comprising a comb having a thin resilient strip and flat enlarged ends thereon having their lower portions connected by said strip and teeth projecting from a longitudinal edge of said strip, said strip and teeth being resilient edgewise of the strip, a box-like holder closed along one longitudinal edge and being open along its other longitudinal edge to receive the comb, and means at each end of the holder cooperative with the respective enlarged ends of the comb and securing the comb in the holder with the teeth of the comb projecting from the open longitudinal edge of the holder, the holder having a space therein between its closed longitudinal edge and said resilient strip into which said strip is flexible for conformity of the teeth of the comb to the contour of the head.

2,571,206
ADJUSTABLE BALL COCK VALVE
Lionel A. Couture, Fall River, Mass.
Application July 13, 1948, Serial No. 38,444
2 Claims. (Cl. 137—104)



1. In a ball cock valve including a valve body, a valve slidable in said body, a first link pivoted to said body engaging said valve, and a second link pivoted to said body above said first link; a means for adjustably varying the distance between said first link and said second link, said means including an extension on said first link having an internally threaded aperture therein, a bifurcated extension on said second link, and a set screw extending through the aperture of said first link and between the furcations of said second link, said set screw including a knurled head, a first member beneath said knurled head abutting the top surface of said second link, a second member spaced from said first member abutting the under surface of said second link, and a screw threaded portion engaging the aperture in said first link.

2,571,207
APPLIANCE FOR EMBALMING
Howard B. Cox, Akron, Ohio
Application June 1, 1949, Serial No. 96,502
3 Claims. (Cl. 27—24)

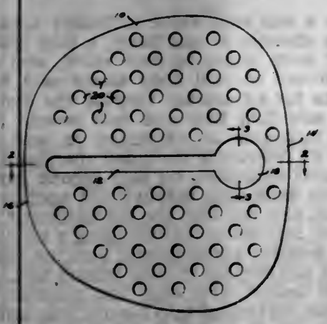


1. In an apparatus of the class described, the combination of a cylindrical tube provided with apertures, an elongated cutter bar mounted for rotation in said tube and of substantially I-shape in cross section, the end surfaces of the section being arcuate in form and fitting closely in said tube, said section including a web portion extending centrally between the section ends, the arcuate end surfaces and the sides of the web being joined by surfaces diverging from the sides of the web and meeting said end surfaces at acute angles to form sharp knife edges adapted to work across said apertures, and manually operated means connected to said cutter bar for imparting rotative movement thereto.

2,571,208
MANUFACTURE OF 1,2-EPOXYCYCLOOCTANE
Louis Elwood Craig, Washington, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 17, 1949, Serial No. 133,669
4 Claims. (Cl. 260—348.5)

1. A process for the production of 1,2-epoxycyclooctane which comprises reacting cyclooctene at a temperature not substantially higher than 20° C. with a solution of peracetic acid in aqueous acetic acid, said solution containing up to 20% water.

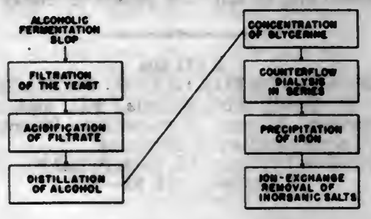
2,571,209
CHAIR SEAT CUSHION
Roy A. Cramer, Kansas City, Mo.
Application May 19, 1947, Serial No. 748,957
2 Claims. (Cl. 155—179)



1. As an article of manufacture, a chair seat cushion comprising a body of latex foam corresponding in size and shape with the seat of an ordinary chair, the upper surface of said body being substantially flat and unbroken, the under surface of said body being provided with a cutaway portion defining an open slot arranged midway between the side edges of the body, said slot throughout its length extending from the under surface of the body upwardly but terminating short of the upper surface of the body to leave a body portion of substantially uniform thickness between the upper surface of the body and the top of the slot, and said slot terminating short of the front and rear edges of the body and being provided with an enlarged well at its front end, the slot providing a substantial area allowing lateral flow of the latex foam to prevent bunching and upward flow of the latex foam in the central portion of the body under the pressures created by a person seated on the cushion.

2,571,210
RECOVERY OF GLYCERINE
Augustus E. Craver, Fredericksburg, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application May 19, 1949, Serial No. 94,083
3 Claims. (Cl. 260—637)

1. A process for recovering glycerine from alcoholic fermentation solutions, comprising the steps of filtering the solution to remove yeast, acidifying the filtrate, removing volatile impurities by distillation, concentrating the distilland to 50% of its original volume by continuing the evaporation or distillation, neutralizing the concentrate with aqueous potassium bicarbonate, passing the concentrate through a plurality of dialyzing cells in series in counter-current flow to water, precipitating iron from the diffusate,



removing inorganic salts from the diffusate by subjecting it to ion exchange, and thereafter decolorizing the diffusate by contacting it with an absorbent material, such as activated carbon.

2,571,211
STOP MOTION RESETTING DEVICE
Alfred Crawford and Michael Antonevich, New Brunswick, N. J., assignors to The Crawford Manufacturing Company, Incorporated, New Brunswick, N. J., a corporation of New Jersey
Application October 21, 1949, Serial No. 122,684
11 Claims. (Cl. 66—166)



1. In a detector device of the character described, a detector head comprising a base, a member slidably supported in said base, a spring attached to said member and to the base and tending to retain the member in an advanced position on the base, means for retracting the member in opposition to the spring, a spring-pressed detector finger, a pivoted element slidably supporting said finger and means for releasably retaining said element in a predetermined normal position on the pivot, an electric switch, and means for operatively connecting the switch and pivoted element so that the switch is actuated by angular displacement of the said element from the normal position, and means responsive to retraction of said member for returning the said element to the normal position.

2,571,212
PREPARATION OF ETHER-SUBSTITUTED UNSATURATED ESTERS
Willard J. Croxall, Bryn Athyn, and Henry J. Schneider, Philadelphia, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application October 2, 1948, Serial No. 52,668
12 Claims. (Cl. 260—484)

1. The process of preparing a β-ether-substituted, unsaturated ester of the formula

$$ROC{=}CHCOOR$$
$$\quad\quad|$$
$$\quad\quad R'$$

which comprises heating to decomposition temperatures between 80° C. and 250° C. a compound of the formula

$$(RO)_2CHCH_2COOR$$
$$\quad\quad\quad\quad|$$
$$\quad\quad\quad\quad R'$$

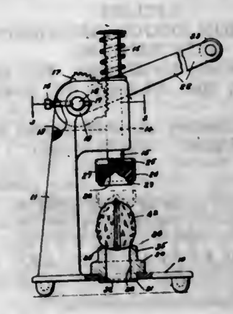
in the presence of a dealcoholating catalyst from the class consisting of non-volatile, strongly acidic compounds and non-volatile, strongly basic compounds and separating one molar proportion of an alcohol, ROH, per mole of said compound, in the above formulas R' representing a member of the class consisting of hydrogen and the —COOR group and R representing the non-hydroxylated residue of a non-tertiary, neutral, monohydric alcohol, ROH, which has not over eighteen carbon atoms, is free of unsaturation in the 2,3,-position with respect to the attachment of the hydroxyl group, and does not react in the group R with an alkali.

2,571,213
BOAT TRAILER
James E. Cunningham and Donald R. Combs, East Liverpool, Ohio
Application May 29, 1947, Serial No. 751,250
11 Claims. (Cl. 214—84)



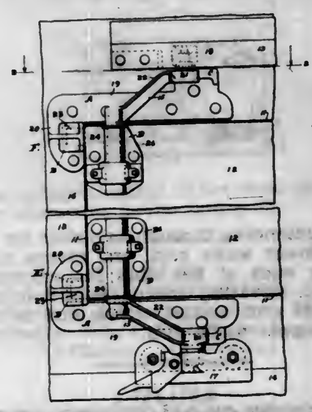
1. In a trailer adapted to carry a boat or the like, a frame including a longitudinal member, and a cross member in the form of channel members extending laterally from opposite sides of the longitudinal member, keel blocks positioned in the channel members, and a load securing strap assembly having parts thereof anchored to the channel members in alignment with the keel blocks to form therewith a boat cradle, and other parts in free sliding engagement with the first mentioned parts and adapted to be passed around the boat and secured for firmly holding the boat in a position of rest on the keel blocks.

2,571,214
WALNUT CRACKER
Homer Dean Dale, Santa Rosa, Calif.
Application April 7, 1950, Serial No. 154,634
1 Claim. (Cl. 146—16)



A pair of jaw members for cracking Franchette type walnuts comprising an upper member and a lower member, the said upper member having a resilient engaging annular ring-like surface of approximately five-eighths of an inch in diameter and engaging around the pointed end of the nut, the lower member engaging the base of said walnut the engaging surface being a contact surface not less than five-eighths of an inch in diameter and not greater than three-fourths of an inch in diameter.

2,571,215
FASTENER FOR SLIDING DOORS OF RAILWAY CARS
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application October 8, 1947, Serial No. 778,532
1 Claim. (Cl. 20—23)

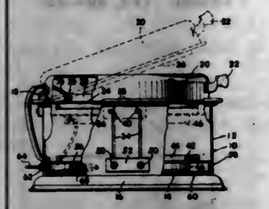


In a door construction for a container having an opening in the wall thereof closed by a sliding door, the combination with top and bottom bearing brackets secured to the door; of top and bottom crank members for supporting the leading end of the door, each of said crank members including an arm swingingly supported at its outer end on a carrier which is slidable lengthwise of said wall, each of said arms having its inner end journaled in the corresponding bearing bracket; top and bottom L-shaped brackets secured to said wall at the forward end of said door opening, each of said L-shaped brackets having a long arm extending lengthwise of said opening and a short arm extending vertically along the vertical front edge of said opening; a cam projection on the horizontal arm of each L-shaped bracket, said cam projection being in the path of movement of the outer end of the arm of the corresponding crank member to be engaged by said arm to effect inward swinging movement of said arm as the door is being moved toward closed position; a socketed keeper on said vertical arm of each L-shaped bracket; and a projecting cam lug on each bearing bracket integral therewith, said projecting cam lugs of said top and bottom bearing brackets being engageable respectively with the top and bottom keepers to cam the door tightly closed.

2,571,216
ELECTRIC COMBINATION COOKER
Henry R. Davis, Knoxville, Tenn.
Application October 5, 1949, Serial No. 119,697
3 Claims. (Cl. 219—19)

2. In a portable combination cooker a housing, a movable cover carried by said housing for closing the upper end thereof, an upper waffle grid carried by the cover, electrical heating means carried by said upper waffle grid, a lower waffle grid within the housing, said lower waffle grid being movable within said housing from an upper position engaging the upper waffle grid to a lower horizontal position in spaced relation to said upper waffle grid, electrical heating means carried

by said lower waffle grid, conductors connected to both electrical heating means simultaneously to conduct electrical energy thereto, said housing having pairs of spaced vertical slots extending therethrough, means carried by the lower waffle



grid and extending through said slots for elevating said lower waffle grid, and means adjacent the upper ends of the slots for engaging the lower grid elevating means and holding said lower waffle grid against tilting and in contact with the upper waffle grid.

2,571,217

PRODUCTION OF HALOHYDRIN ETHERS OF PHENOLS

Orris L. Davis and Horace S. Knight, Berkeley, and John R. Skinner, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 27, 1949, Serial No. 95,578
8 Claims. (Cl. 260—613)

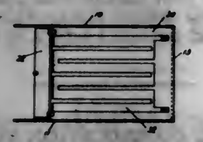
1. A process for the production of phenyl glycerol monochlorohydrin ether which comprises reacting phenol and epichlorohydrin at a temperature of from about 50° C. to about 100° C. in the presence of calcium hydroxide.

2,571,218

ELECTRICAL FURNACE

Enzo Del Buttero, Milano, Italy, assignor to Manufactures des Glaces et Produits Chimiques de St. Gobain, Chauny & Cirey, Paris, France, a corporation of France

Application August 13, 1946, Serial No. 690,107
In Italy August 13, 1945
2 Claims. (Cl. 219—35)



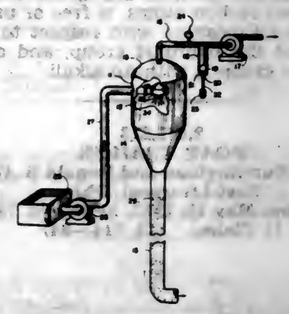
2. An electric oven, comprising flat sheets of heat-resistant plate glass constituting the side walls, the top and the bottom of the oven, a surface of one of said sheets having a mirror surface formed thereon and constituting a heat-reflecting layer directed toward the interior of said oven, said heat-reflecting layer consisting of substantially wide metallic strips constituting heating resistances and an electrothermic element located within said oven and adapted to radiate its heat upon said heat-reflecting layer.

2,571,219

DEAERATION OF PAPER MAKING FIBERS

Judson A. De Cew, Mount Vernon, N. Y.

Continuation of application Serial No. 665,408, April 27, 1946. This application May 17, 1950, Serial No. 162,542
5 Claims. (Cl. 183—2.5)



1. The method of de-aerating air-bearing fibers in dilute paper-making stock prior to being supplied to a paper machine, which comprises establishing and maintaining a gaseous body under the effect of vacuum to be at reduced pressure, force-feeding into an atomizing zone such stock in the form of a dilute water suspension containing such fibers, forceably projecting such suspension from such zone under atomizing conditions that render the suspension into gas-suspended discrete fine particles of water and of fibers in such a state of subdivision that the effect of the vacuum can reach to the fiber particles to remove air occluded by those fiber particles and can reach the water particles to substantially de-aerate them, collecting such de-aerated water particles and de-aerated fiber particles in a pool still under the effect of such vacuum wherein the de-aerated fibers are re-suspended in de-aerated water in which the fibers sink and remain in substantially air-free condition, and conducting such air-free water-suspension to a paper machine.

2,571,220

FRICTION SHOCK ABSORBING MECHANISMS

Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application December 19, 1945, Serial No. 635,899
1 Claim. (Cl. 213—32)



In a friction shock absorbing mechanism, the combination with a casing having a friction shell section at one end and a spring cage section at the other end; of a friction clutch telescoped within the friction shell section; a preliminary spring cap slidingly telescoped within the spring cage end of the casing; a spring within the casing interposed between and opposing inward movement of the clutch and spring cap respectively; a contractible split spring ring, said ring

in spread condition having shouldered engagement with the casing and cap to limit outward movement of the cap; and means on said cap engaging within the opening at the split portion of said ring to hold said ring in spread condition and lock the same and the cap against relative rotation.

2,571,221

METHOD OF EXTRACTING ORGANIC ACIDS AND THEIR SALTS FROM CORK AND PRODUCTS RESULTING FROM THIS EXTRACTION

Georges Dupont, Paris, and André Guillemonat, Alger, France, assignors to Centre National de la Recherche Scientifique, Paris, Seine, France, a society of the Republic of France

No Drawing. Application July 19, 1947, Serial No. 762,202. In France May 27, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 27, 1961
10 Claims. (Cl. 260—416)

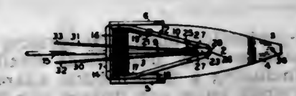
1. The method which comprises saponifying a mass of cork by means of caustic soda in solution in water, adding to the products of this saponification an amount of a mineral acid corresponding to the amount of soda used for said saponification, separating the insoluble products of this acid treatment from the acid solution, subjecting the whole of these insoluble products to extraction by at least one solvent of the group consisting of ethyl acetate, acetic acid, methyl alcohol and acetone, distilling off this solvent and subjecting the product thus obtained to extraction with trichlorethylene to obtain a maximum recovery of fatty acids.

2,571,222

FISH LURE

Edward Wayne Dyer, Winter Haven, Fla.

Application October 13, 1950, Serial No. 189,971
2 Claims. (Cl. 43—34)



1. A fish lure, comprising, a body forming a spoon, a hook having a bill and a stem slidably fitting the body, a springy guard cooperating with the bill of the hook and carried by its stem, a swingable V-shaped loop member movable to and from the bill of the hook, means tensioning the loop member, and a trigger slidable with the hook and normally latching the loop member against movement and for holding the same removed from the bill of the hook, the bill of said hook lying within the arc of movement of said swingable V-shaped loop member.

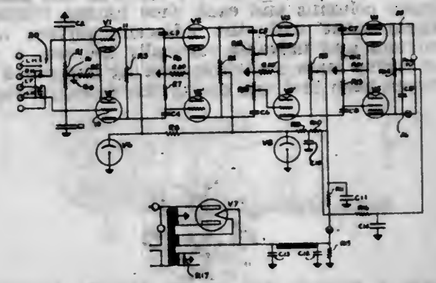
2,571,223

ELECTROCARDIOGRAPH

Murray W. Edinburg, Worcester, Mass.

Application August 23, 1946, Serial No. 692,717
12 Claims. (Cl. 128—2.06)

1. The method of obtaining an amplified indication of a feeble body current developed between electrodes leading from two parts of the body, that comprises impressing the current from said electrodes on the grids of the first stage tubes of a push pull amplifying circuit, and adjusting the said circuit manually to effect a balancing within the said amplifying circuit of unequal ex-



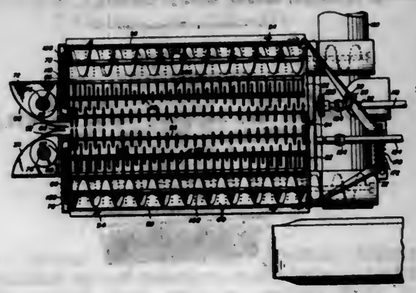
traneous voltages leading in the same phase from the body electrodes to the said grids.

2,571,224

COTTON HARVESTER

Walter M. Edwards, Seymour, Tex.

Application July 7, 1948, Serial No. 37,471
9 Claims. (Cl. 56—14)



1. In a cotton harvester, an elongated casing having spaced side walls vertically hinged at their rear ends and forming a longitudinal slot on their lower surfaces, said side walls being laterally spaced at their front ends to define a throat opening into said slot, longitudinal conveyors on the inner sides of each side wall for conveying cotton bolls rearwardly thereof, a transverse conveyor at the rear of said casing and mounted to receive cotton from said longitudinal conveyors, means for mounting said casing from a tractor, means for operating all of said conveyors from the power take-off of a tractor, means associated with said side walls yieldingly urging the forward ends of said side walls together, and vertical stripping screws carried by said sections, said screws being on opposite sides of said slot and located at said throat, and means for actuating said vertical screws from said operating means.

2,571,225

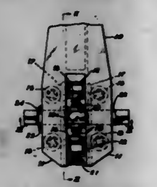
FRICTIONAL CAR TRUCK BOLSTER

Louis E. Endsley, Pittsburgh, Pa., assignor to The Frost Railway Supply Co., Detroit, Mich., a corporation of Michigan

Application August 16, 1949, Serial No. 110,594
2 Claims. (Cl. 105—197)

1. The combination with a railway car truck side-frame which has a pair of vertical guide columns that are spaced apart in directions transversely of the frame, of a truck bolster having arms extending across the front and rear sides

of the columns, springs for yieldably supporting the bolster on the truck frame, friction shoes disposed between the said arms and the pair of guide columns and each shoe having frictional engagement with the adjacent surface of a column and movable vertically thereon, a pair of spring seats, a snubbing spring interposed between each seat and one of the shoes, means on



the bolster arms for supporting the shoes and the spring seats against vertical movement relative to the bolster and for supporting the shoes and seats for movement longitudinally of the bolster, and a cam shaft extending through the said arms and having a cam near its mid portion, positioned to move the spring seats apart through rotation of the shaft, to thereby place the snubbing springs under compression.

2,571,226
RECEPTACLE
Anthony J. Fabis, Chicago, Ill.
Application May 24, 1946, Serial No. 671,971
2 Claims. (Cl. 220—30)



1. A back for a comb comprising a first hollow cylinder having one end open, a second hollow cylinder having its ends closed positioned within said first named cylinder and mounted in the latter for rotational movement, each of said cylinders being provided with a longitudinally extending opening intermediate its ends, the opening in said second cylinder being registrable with the opening in said first cylinder upon rotational movement of said second cylinder relative to said first named cylinder, a stem projecting from one of the closed ends of said second cylinder extending through and beyond the open end of said first named cylinder, a plug loosely circumposed about said stem and in frictional engagement with the inner wall of the open end of said first named cylinder, and a hand actuable means on the projecting end of said stem for effecting the rotational movement of said second cylinder.

2,571,227
BOTTLE CAP
Yue San Feng, Hong Kong, China
Application January 24, 1950, Serial No. 140,184
1 Claim. (Cl. 215—46)

A bottle cap comprising a generally circular sealing member formed of elastic deformable material, an outer depending annular flange carried by said sealing member, an inner depending annular flange carried by said sealing member, a cover member of thin resilient metal extending across the top of said sealing member, depending inturned flanges at the respective ends of said cover member, and a depending lever disposed between the outer depending annular flange of the sealing member and one of the depending flanges of the cover member, said one of the cov-



er member depending flanges being notched at its inturned portion and the lever fitting in the notch and being notched at its sides to interfit with the margins of the notch of said inturned portion.

2,571,228
HAND-PROTECTING MITTEN
Sylvester E. Freeman and Wayne G. Stewart, Akron, Ohio
Application April 5, 1949, Serial No. 85,535
1 Claim. (Cl. 2—158)

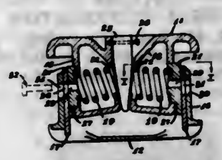


A hand-protecting mitten comprising a hollow body of substantially impervious flexible sheet material including a first portion adapted to fit about the wrist, palm and fingers of a hand and a second portion joined to and communicating interiorly with said first portion for receiving the thumb of a hand received in said first portion, said first portion having a wrist-receiving opening in one end and a ventilating opening in its other end, said ventilating opening having a width materially less than the width of said first portion and said first portion having reinforcing beads disposed one at each end thereof and surrounding the corresponding openings and neck portions disposed one adjacent each of said reinforcing beads, the neck portion adjacent said wrist-receiving opening being of a size to loosely surround the wrist of a person wearing the mitten.

2,571,229
RAILWAY CAR SPRINGS
Harry W. Frost, Jr., Detroit, Mich., and Louis E. Endsley, Pittsburgh, Pa.
Application March 22, 1950, Serial No. 151,088
6 Claims. (Cl. 267—9)

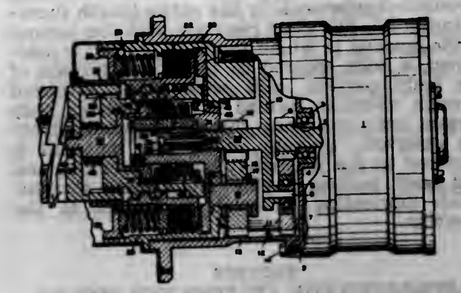
1. A spring group comprising top and bottom spring plates having load-carrying coils between them, an upwardly-extending casing on the bottom plate, downwardly-extending spring housings carried by the top plate and extending into

the casing, friction surfaces on oppositely disposed walls of the casing, friction shoes extending slidably through oppositely-located walls of the housings and having engagement with said surfaces, a pair of coil snubbing springs, partition walls in the housings, having openings to loosely



receive the inner ends of the pair of snubbing springs whose outer ends respectively seat against said shoes, and a spring-seating block removably inserted between said partitions and engaging the inner ends of the snubbing springs to compress them against the shoes.

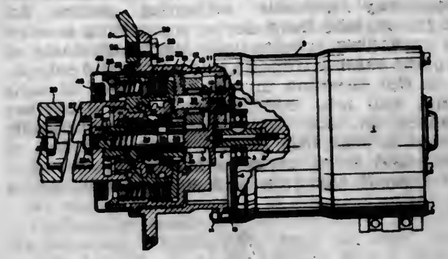
2,571,230
ENGINE STARTER
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 29, 1949, Serial No. 107,550
6 Claims. (Cl. 74—7)



1. In an engine starter, the combination of an assembly comprising an axially stationary rotatable nut, a screw shaft in said nut, a starter jaw member adapted for rotation with and axial movement relative to said screw shaft, means including a disc pack for rotating said screw shaft relative to said nut to move said screw shaft axially to said nut to an engine engaging position, means responsive to said engine engaging position to disengage said disc pack.

2,571,231
STARTER JAW ACTUATING DEVICE
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application September 29, 1949, Serial No. 118,643
6 Claims. (Cl. 74—7)

1. In an engine starter, the combination of an assembly comprising an axially stationary rotatable spline nut, a screw shaft in said nut, a starter jaw member adapted for rotation with and axial movement relative to said screw shaft, means including a positive driven helical screw for actuating said starter jaw axially to an engine engaging position, yieldable means for drivably connecting said helical screw to said starter jaw, said last means being adapted to yield and release said connection when the opposition to axial



movement of said starter jaw exceeds a predetermined maximum.

2,571,232
SPRING CLUTCH DEVICE
Stanley F. Gorake, Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1948, Serial No. 22,171
7 Claims. (Cl. 192—41)



1. A helical load-carrying friction torque transmitting spring member, comprising a series of coils wound from uniform section stock to provide a helical series of friction surfaces for cooperation with a circular drum surface, said spring having a terminal coil portion in a position such that it would normally be subjected to peak load torque transmitting pressure against the drum surface in the operation of the spring, said terminal coil portion being preformed between one-half and three-quarters of its circumference in offset relation to the other coils radially away from the friction surfaces thereof a sufficient distance so that said performed portion will not engage the drum surface until after all or nearly all the other coils have become engaged.

2,571,233
ADJUSTABLE MOUNT FOR CATHODE-RAY TUBE IN SCHMIDT PROJECTOR
Maarten Jan Groenenberg, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 17, 1949, Serial No. 77,004
In the Netherlands October 26, 1948
5 Claims. (Cl. 178—7.5)

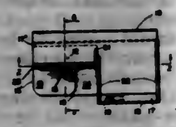
4. In a projection apparatus for television receivers having an optical system which comprises a concave mirror and a cathode ray tube as an image reproducer; a frame supporting said cathode ray tube, a pair of independently movable adjusting devices mounted on said frame, each device comprising a screw bolt threaded in said frame and extending in substantially the same direction as does the axis of said tube, chassis means apart from said frame, said chassis means

comprising separate recesses in which each of said bolts abut, said chassis means also being a fixed mounting for said mirror, a third independently movable adjusting device for said frame, said third device comprising a screw bolt extending substantially perpendicularly of the plane passing through said points and extending in the direction in which said pair of bolts extend and into said frame, a lateral surface mounted on said chassis and in substantially parallel relationship to said plane, said bolt of which said third device is comprised having a part thereof engaging said surface, and spring



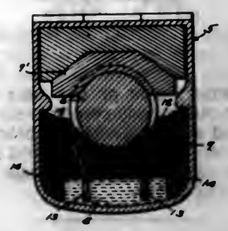
means attached to said chassis means and to said frame and arranged at an acute angle with respect to said plane on the other side thereof with respect to said bolt of said third device, whereby said frame is selectively tiltable about an imaginary axis extending through said two points by separate and sole operation of said third adjusting device, while the frame is also selectively tiltable about either of said points in substantially said plane by separate and sole operation of solely one or the other of said pair of adjusting means, respectively, and all three adjusting devices are under spring tension so as to avoid play.

2,571,234
FABRIC CUTTER
Albert Thomas Guest, Los Angeles, Calif.
Application November 29, 1948, Serial No. 62,470
2 Claims. (Cl. 30—293)



1. A fabric cutting tool to be held in one hand and a fabric pulled through it comprising an outer member of semi-flexible sheet material folded back upon itself to form a substantially flattened V and having a portion of one side thereof bent outwardly at approximately a right angle to the plane of that side, the other side of said outer member having a slot therein substantially the length of said outwardly bent portion of the first-named side and parallel thereto, means on said outwardly bent portion constructed and arranged to removably hold a blade transverse to the plane of said outer member and projecting partially through said slot, an inner member of like material formed to a similar V and having guide channel means on one side slidably engageable with a portion of one side of said outer member for adjustably positioning said inner member relative to said outer member, the apex of the V of said inner member arranged to form a guide for one edge of a fabric while drawn through said inner member for cutting by a blade on said blade-holding means, and indicia on a side of said inner member where it projects beyond the edge of a side of said outer member while so positioned and coacting with that edge to indicate the relative position of said members and coincidentally the width of fabric between the blade and the apex of the V of said inner member.

2,571,235
JOURNAL LUBRICATOR
Alfred A. Hamer, Alexandria, Va.
Application October 29, 1947, Serial No. 782,929
3 Claims. (Cl. 308—87)



1. The combiantion with a journal box and journal operating therein, of a journal lubricating device comprising a solid yieldable body portion consisting of a block of absorbent rubber material, fitted in the journal box in contact with the side walls of the journal box, said body portion having a recess in the bottom extending throughout substantially the entire length thereof forming a lubricant reservoir with the bottom of the housing in which the body portion is positioned, a wick secured to the upper surface of the body portion, said wick being extended through openings formed in the yieldable body portion with the ends thereof disposed within the reservoir, whereby lubricating material is delivered to the journal from the reservoir, and said body portion having an opening through which lubricating material is directed to the reservoir.

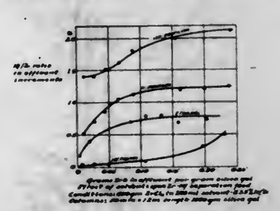
2,571,236
APPARATUS FOR TESTING PIPE JOINTS FOR LEAKS
Vivian E. Hamilton, Jr., Shreveport, La.
Application August 19, 1948, Serial No. 45,019
4 Claims. (Cl. 73—46)



1. Apparatus for testing a pipe joint for leaks comprising a thin strip of puncturable material for application around the pipe over the joint to be punctured by air pressure against the strip over a leak in the joint, an annular channeled gasket for fitting over said strip and straddling said joint and forming with said strip an annular channel around said joint for confining air under pressure exerting pressure against said strip, an annular clamp for application around said strip and gasket in surrounding relation thereto and compressing said strip against said pipe and said gasket against said strip upon opposite sides of

said joint to prevent air from escaping out of said channel to atmosphere, and means to introduce air under pressure into said channel.

2,571,237
ADSORPTION SEPARATION OF ZIRCONIUM AND HAFNIUM
Robert S. Hansen, Ames, Iowa, assignor to the United States of America as represented by the United States Atomic Energy Commission
Application October 4, 1950, Serial No. 188,443
11 Claims. (Cl. 23—19)

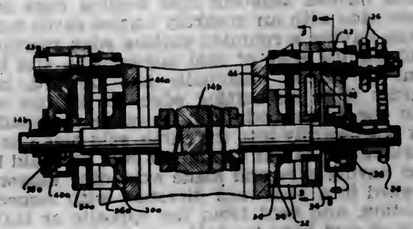


1. The process of separating hafnium from zirconium, which comprises contacting a silica gel adsorbent with an organic solution of zirconium and hafnium tetrachlorides whereby hafnium values are preferentially adsorbed on the silica gel.

2,571,238
BIOTIN INTERMEDIATE
Stanton A. Harris, Westfield, Ralph Mozingo, Elizabeth, Glen E. Arth, Rahway, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 15, 1945, Serial No. 635,424
12 Claims. (Cl. 260—332.2)

12. N - acylated - 2 - (4' - carboalkoxy-butyl)-3:4-diamino-thiophene.

2,571,239
GLASS DRAWING MACHINE BEARING SUPPORT
Charles H. Hart, Clarksburg, W. Va., assignor to Hart Bros. Machine Co., Clarksburg, W. Va., a corporation of West Virginia
Application September 10, 1945, Serial No. 615,254
8 Claims. (Cl. 49—17)



1. In a glass drawing machine comprising a fixed roll and a second roll swingable relative thereto; bearings for rotatably supporting the shafts of said rolls and a journal box structure mounting said bearings; said journal box structure comprising; a supporting plate for securing said journal box structure to the machine; a first hollow frame mounting the bearing for the fixed roll; a second hollow frame pivoted on said first frame and mounting the bearing for the swingable roll; reduced area members supporting said first frame on said supporting plate; and means for passing coolant fluid through said hollow frames, said means including a flexible connection communicating between said hollow frames.

2,571,240
PLASTICIZED AMINO RESINOUS COMPOSITIONS AND THEIR PREPARATION
John Edward Howard Hayward and Philip Hugh Calderbank, Birmingham, England, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 22, 1947, Serial No. 743,454. In Great Britain May 1, 1946
12 Claims. (Cl. 260—31.4)

1. A process for the production of an amino resin composition which includes the step of incorporating in an amino resin condensation product of formaldehyde and a member of the group consisting of urea, thiourea and amino triazines a substance which functions both as a plasticizer and as a latent accelerator of hardening, the substance being a derivative of a single molecule of a polyhydric alcohol selected from the group consisting of glycerol and pentaerythritol in which molecule one of the hydroxyl groups is esterified, one is blocked by interaction with one of the group consisting of phenols and alcohols free of reactive groups other than hydroxyl, and at least one hydroxyl group remains free.

2,571,241
ONE SWEEP TYPE BENDER FOR THIN WALL METALLIC CONDUIT
Robert Halsey Henderson, East Orange, N. J.
Application October 22, 1949, Serial No. 123,047
3 Claims. (Cl. 31—15)



1. A hand bender of the one sweep type operable upon thin wall metallic conduit comprising an arcuate body having means for attaching thereto a lever arm in radial extension therefrom, said body being provided along its outer periphery with a curved bending groove of a radius corresponding to that of a bend to be produced and approximating 90° in length, said body having outwardly projecting parallel side walls bounding the sides of the bending groove and spaced apart to determine a width of bending groove corresponding to the diameter of conduit to be bent, said side walls being of height, measured from the floor of the bending groove, which approximates one and one-half to twice the diameter of the conduit to be bent, one of said side walls terminating in a forwardly extending carrying arm provided at its end with a transverse abutment post spaced outwardly from the forward end of the bending groove so as to provide an entrance way of a width approximating the diameter of conduit to be bent through which said conduit can be passed for extension between the abutment post and the forward end of the bending groove, said forward end of the bending groove providing an initial bending fulcrum en-

gageable by the conduit to be bent, said abutment post having a conduit receiving notch aligned with the bending groove of said body, the transverse seat of said notch being inclined to diverge from its outer end toward its inner end at an acute angle from the axis of an unbent conduit when the latter is initially engaged by the tool, the outer end of said seat providing a long bite impingement shoulder outwardly spaced at a maximum distance from the initial bending fulcrum, and the inner end of said seat providing a short bite impingement shoulder outwardly spaced at a minimum distance from the initial bending fulcrum, said inclination of the transverse seat of said notch providing clearance between the conduit and the short bite impingement shoulder when the conduit is initially engaged by the long bite impingement shoulder, whereby to permit controlled arching of the conduit and working of the conduit metal at the moment of applied initial bending stress.

2,571,242

OPAL GLASS AND METHOD OF CONTROLLING FIRE THEREOF

Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application July 21, 1948, Serial No. 40,015
2 Claims. (Cl. 106—52)

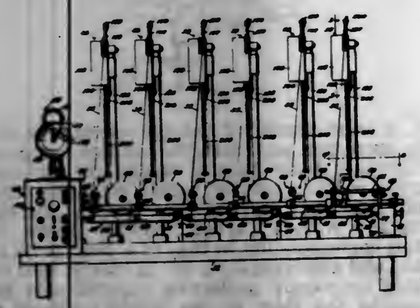
1. An otherwise normally fiery, oxidized alkaline silicate fluoride opal glass containing 0.01% to 0.1% CuO, whereby the fiery appearance is eliminated.

2,571,243

COIL WINDING MACHINE

Donald E. Hooker, Chicago, Ill., assignor to Lion Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application March 22, 1945, Serial No. 584,078
15 Claims. (Cl. 242—9)



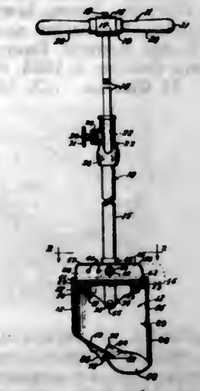
2. A winding machine comprising a mandrel, motor means for driving the mandrel in one direction to wind flexible work material thereon, delivery means for applying work material on the mandrel, comprising a motor driven reel and means controlling the speed of said reel to deliver the work material under substantially constant tension at the rate demanded by said mandrel, and traverse means movable progressively along the mandrel for guiding the work material thereon in adjacent turns, counter means driven by the motor means to indicate the number of turns on the mandrel, and inching means, operable at will, to drive the mandrel at slow speed to obtain an accurate number of turns wound on the mandrel.

2,571,244

EARTH AUGER

William L. Hollander, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application March 12, 1949, Serial No. 81,092
4 Claims. (Cl. 255—66)



1. In an earth auger, the combination of a cast metal supporting body having a substantially half circular horizontal flange provided with an axially extending hub at its flat side, said hub being provided with an axial bore, and having a transversely extending aperture for receiving a threaded securing member, a tubular shaft fitting in said hub bore, and having a registering transversely extending aperture, a threaded securing member passing through said hub and shaft, and a cast metal fixture carried by the end of said shaft and threaded thereon, said fixture having an axially extending tubular portion provided with a non-circular bore, a non-circular shaft in said latter bore and slidably mounted thereon to slide into said first-mentioned shaft, a handle carried by said non-circular shaft at its upper end, said first-mentioned casting having a downwardly extending partially cylindrical attaching flange, a substantially half cylindrical sheet metal auger body having a straight upper edge and secured to said attaching flange, said auger body being formed upon its leading edge with respect to the direction of rotation, with an outwardly offset lower sharpened cutting portion for cutting a cylindrical bore larger than said auger body, said auger body being formed adjacent said leading edge on its lower side with an inwardly turned earth cutting blade having a rounded cutting edge starting at said leading edge of said auger body, and being bent to extend diagonally and upward, backwardly from its cutting edge, to lift the earth into the auger body and to cause the blade to cut downwardly into the earth, said blade having a triangular tail at its highest end, and said body also having a second blade extending diagonally upward in a backward direction with respect to rotation, and bent from the opposite or trailing edge of said body to receive earth from said tail.

2,571,245

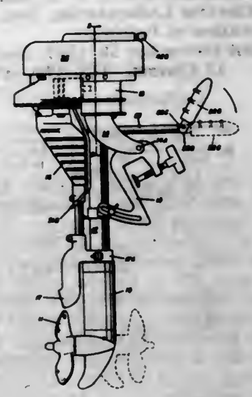
OUTBOARD MOTOR

Le Roy S. Holmes and Raymond J. Spanski, Detroit, Mich.

Application September 13, 1947, Serial No. 773,762
2 Claims. (Cl. 115—18)

1. In an outboard motor unit adapted to be mounted upon a boat, a rotatable underwater

unit, a gear fixed upon the latter, a rotatable shaft carried by the unit mounting means and having fixed thereto a gear adapted to coact with the first gear whereby to rotate said underwater unit, a handle for rotating said shaft, said handle being hinged to said shaft, a tube enclosing said shaft and abutting at one end said hinge, a plate loosely mounted on said shaft,



said tube at its other end abutting said plate, fixed fulcrum means adapted to coact with said plate adjacent an edge thereof, and cam means carried by said hinge and so arranged that, when said handle is swung toward alignment with said shaft, said tube is thrust against said plate to thereby incline the latter and lock said shaft against rotation.

2,571,246

OPERATING POLE ASSEMBLY FOR HIGH-TENSION LINES

David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application October 23, 1946, Serial No. 705,107
2 Claims. (Cl. 294—19)



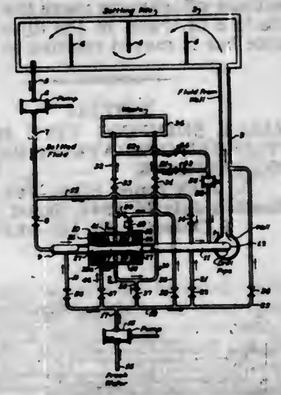
1. An operating pole securing assembly for the application of force substantially longitudinally of the operating pole and for assisting said force comprising, a saddle and securing chain for securing the assembly to a line pole, said saddle having an outwardly projecting, round, hollow lug provided with an end wall having a circular bore, a rotatable member having a securing bolt in said bore, said rotatable member having a thrust flange engaging the end of said lug and having a pivot flange at right angles to the thrust flange and provided with a through bore, a pole clamp comprising a pair of clamping members and a securing bolt, one of said clamping members having a pair of pivot flanges located on opposite sides of the first-mentioned pivot flange, a substantially U-shaped member having its legs provided with registering bores adjacent their ends and a pintle member passing through both of said pivot flanges and through the bores in said U-shaped member, said pole clamp slidably or fixedly supporting a pole at any of a multiplicity of angles with respect to the line pole due to said pintle and pivot flanges, and said saddle and rotatable member permitting the rotation of the pole on an axis at right angles to the line pole, the U-shaped member permitting the application of force to the end of the operating pole substantially along the axis of the operating pole.

2,571,247

ELECTRODIALYTIC TREATMENT OF WELL-DRILLING FLUIDS

Earl E. Huebotter, Los Angeles, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey

Application September 6, 1943, Serial No. 501,395
10 Claims. (Cl. 204—180)



7. The method of treating gel-containing well drilling muds containing undesirable ions which comprises, subjecting a flowing stream of said mud to electro-dialysis to effect removal therefrom of said undesirable ions, and replacing the removed ions by addition to said mud of other desirable ions of the same electric sign.

2,571,248

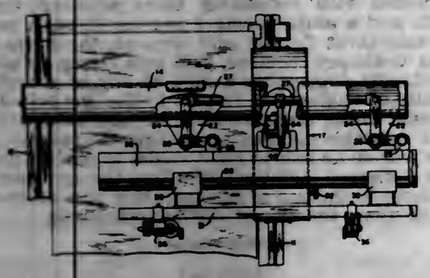
UNIVERSAL TORCH MACHINE

Arthur R. Hutt, Chatham, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York

Application March 30, 1948, Serial No. 17,970
5 Claims. (Cl. 266—23)

1. A universal torch machine of the double rectilinear motion type comprising a movable

base carriage guided to move along a path rectilinearly and provided with reversible power driving means, a guide bar, means including a pair of arms pivotally connecting the guide bar at spaced points to parts of the base carriage and restraining the guide bar against substantial lengthwise movement while allowing it only a small amount of back-and-forth movement relative to the base carriage laterally of itself and longitudinally of the line of travel of the base carriage, a tracer and torch mounted for uni-



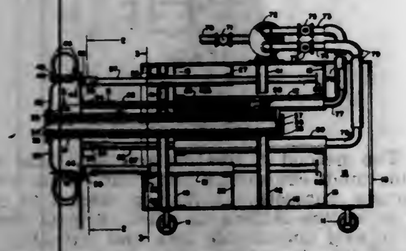
tary movement along said guide bar and guided thereon to move rectilinearly at right angles to the line of travel of the base carriage, and means operatively connected to said arms for actuation thereby and operated as a result of movement of said guide bar by the tracer relative to the base carriage for rendering the driving means of the base carriage effective to move the base carriage along its line of travel in the direction in which said guide bar is moved relative to the base carriage.

2,571,249

AXIALLY SHIFTING TYPE MULTIPLE CYLINDER OPERATED TIRE REMOVING MACHINE

Jack Jones, Eden, Tex.

Application July 26, 1946, Serial No. 686,539
6 Claims. (Cl. 157—1.2)



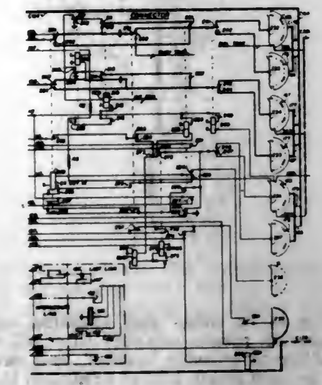
1. An apparatus for removing tires from rims of vehicle wheels comprising a supporting frame, means associated with the frame for supporting a wheel rigidly on the frame, semicircular tire engaging members U-shaped in cross section adapted to contact one side wall of the tire of the wheel, means forcibly moving said tire engaging members against the tire to cause removal of the tire from the rim of the wheel, semicircular members nested within the tire engaging members and toggle means for drawing said members toward each other radially of the wheel for causing an initial release of a bead on the tire.

2,571,250

PARTY LINE SELECTIVE SIGNALING SYSTEM HAVING CODE CALL

Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 30, 1947, Serial No. 794,482
13 Claims. (Cl. 179—17)



1. In a telephone system, a single level automatic switch having two sets of wipers and bank contacts, a first group of party lines terminating in the first set of bank contacts and accessible to the first wiper set, a second group of party lines terminating in the second set of bank contacts and accessible to the second wiper set, a first and a second station on said party lines, a ring determining position and a wiper switching position terminating in said bank contact sets, means for directively operating said wipers of said switch in response to the receipt of incoming digits to stop said wipers in engagement with said bank contacts in accordance with the received digits, ring determining apparatus in said switch operated in response to said switch wiper stopping in engagement with said ring determining position for thereafter selectively signalling the second stations of said lines in either line group, and wiper switching apparatus in said switch operated in response to said switch wiper stopping in engagement with said wiper switching position for switching from said first set of wipers to said second set of wipers to extend calls to said second group of lines.

2,571,251

POLYMERIC CARBOXY AMIDE COMPOUNDS AND PROCESSES FOR THEIR PRODUCTION

Wilford Donald Jones, Cresaptown, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 20, 1946, Serial No. 685,245
2 Claims. (Cl. 260—78)

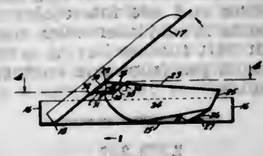
1. Process for the production of a polymer, which comprises condensing substantially equimolecular proportions of 3-3'-sulfone divaleric acid and 1.9-diamino-5-aza-nonane in solution in m-cresol at reflux temperature.

2,571,252

COUNTER DISPLAY CARTON

Benjamin B. Kaplan, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application May 20, 1950, Serial No. 163,205
1 Claim. (Cl. 211—130)



A collapsible counter display of the character described comprising a horizontal base, a vertical back stand and a sloping shelf member; the back stand being hinged at its lower end to the base at the rear of the base, the lower front end of the shelf member being hinged to the base near the front of the base, and the upper rear end of the shelf member being hinged to the back stand between the top and bottom of the back stand; the said shelf member comprising a face panel, a front hinge member, a rear hinge member, and two easel flaps hinged to the two side edges, respectively, of the face panel, the rear edges of the flaps being flush with the rear edge of the face panel, the said rear hinge member comprising a first narrow rectangular panel extending across the width of the face panel, hinged to the rear edge of the face panel and laminated to the back stand below the face panel, a narrow isosceles trapezoidal panel, its long edges parallel and its longer parallel edge hinged to the first panel, and a second narrow rectangular panel hinged at one edge to the shorter parallel edge of the trapezoidal panel and hinged at the other edge to the under surface of the face panel along a line spaced from the rear end of the face panel, the said first and second panels being narrower than the said trapezoidal panel.

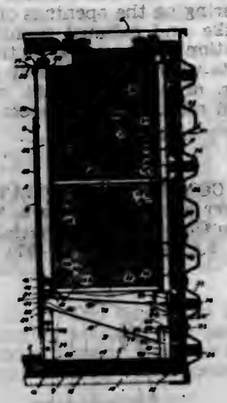
2,571,253

REFRIGERATOR CAR ICE BUNKER

William Hugh Keleher, Chicago, Ill., assignor to Merchants Despatch Transportation Corporation, a corporation of Delaware, and Northern Refrigerator Line, Incorporated, a corporation of Delaware

Application October 20, 1948, Serial No. 55,599
23 Claims. (Cl. 62—19)

1. A refrigerator car having a storage chamber, a drip pan, supporting posts secured to the sides of the car and extending downwardly to and resting on the car floor, a bulkhead arranged in transverse alinement with said posts and defining an ice bunker between the storage chamber and an end of the car, said bulkhead including a horizontal transverse angle metal bottom bar having a web portion provided with an upstanding flange and a depending flange and a wall portion having its lower edge secured to the upstanding flange of the bar and disposed therewith in the plane of the bottom of the bunker above the drip pan to provide a drip chamber underlying the bunker and a doorway between the same and the storage chamber, said doorway being fully open across the car between the lower ends of the supporting posts, bracing members secured to the web and depending flange of the bar and forming a series of spaced abutments at the top of the doorway, and means for closing the doorway against entrance of lading from the storage chamber into the drip chamber, said means being adapted to bear in closed position



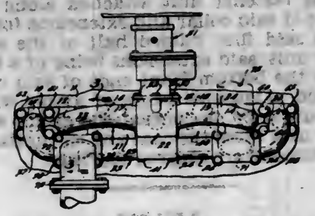
against said abutments and being movable from such position out of the path of the doorway to clear the doorway when desired.

2,571,254

MANIFOLD STRUCTURE

Robert T. Keller, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application May 18, 1950, Serial No. 162,770
5 Claims. (Cl. 123—52)



1. In a multiple cylinder internal combustion engine having longitudinally aligned intake and exhausts ports symmetrically arranged on opposite sides of a transverse vertical plane of said engine, an intake and exhaust manifold assembly comprising intake and exhaust manifold members, said exhaust manifold member including a hollow main body portion extending longitudinally of said engine at a location spaced vertically from said longitudinally aligned ports and having spaced branches extending in a direction transversely of said main body portion, each of said exhaust manifold branches having a free end provided with an opening in the plane of and registering with one of said engine exhaust ports, respectively, said intake manifold member including a main body portion vertically aligned with the main body portion of said exhaust manifold member and mainly horizontally aligned with said longitudinally aligned ports and having spaced branches, each extending horizontally between a pair of adjacent branches of said exhaust manifold member and each having a free end provided with an opening in the plane of and registering with one of said intake ports respectively, and complementary

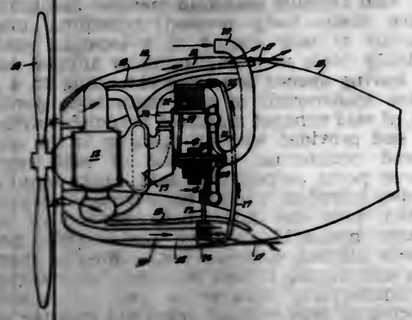
mounting pads on said free ends of the branches of both of said members having mounting bolt receiving apertures symmetrically arranged with respect to said transverse vertical plane of said engine, for bringing the openings of the branches of said intake and exhaust manifold members into registration with said respective intake and exhaust ports when said assembly is disposed to bring either of said manifold members into superimposed relation with respect to the other.

2,571,255
COMBINATION COAT
Henry Kessler, New York, N. Y.
Application October 1, 1948, Serial No. 52,319
2 Claims. (Cl. 2—97)



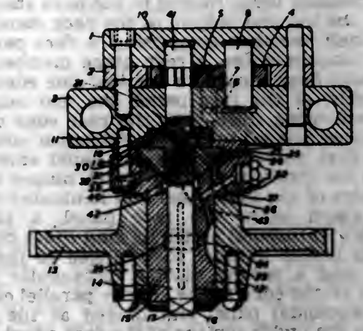
1. A coat having sleeves, a yoke, a back and a split front, one half of a separable fastener unit attached along substantially the entire edge of said split front and said yoke and visible along the entire length of the front of said coat, a unitary removable collar and opposed long narrow extensions for said coat which may be independently worn as a scarf, said collar and extensions having an inside edge, one half of a complementary separable fastener unit attached along said inside edge of said collar and extensions for attachment to said first named half of the separable fastener unit, said extensions being of a length to reach to the bottom front ends of said coat, said collar and extensions being of ample width and folded outwardly to conceal the entire separable fastener unit when the coat and the unitary collar and extensions are secured together.

2,571,256
REFRIGERANT COOLED INTERCOOLER
Alexander H. King, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 6, 1946, Serial No. 695,145
3 Claims. (Cl. 123—119)



1. An internal combustion engine for use in an aircraft, an air intake line connected to said engine, two superchargers in series in said air intake line, an intercooler between said superchargers, and means for mechanically refrigerating said intercooler, the last named means including means providing a closed cyclic path including said intercooler for a compressible refrigerant, a refrigerant compressor interposed in said path, and a cooling means for the compressed refrigerant disposed in said path between said compressor and said intercooler, the refrigerant expanding in said intercooler to absorb heat from said aircraft further having a motor actuated by exhaust gas from said engine, by power from said engine.

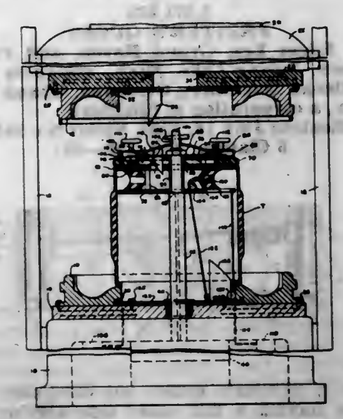
2,571,257
SHAFT GLAND
Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application February 6, 1947, Serial No. 726,805
In Great Britain February 11, 1946
1 Claim. (Cl. 286—11.14)



A shaft gland for sealing the passage by which a shaft extends from a region of low pressure to a region of high pressure, said gland comprising a flange on the shaft, a stationary gland seat surrounding the shaft and having a flat annular face extending radially outwardly from a concave part-spherical surface, a non-rotating gland ring encircling the shaft and having on one side a working face in contact with a working face of said flange and on the other a flat annular face extending radially outwardly from a convex part-spherical surface fitting into and contacting said concave part-spherical surface, and a flat resilient washer cemented to and compressed between the flat annular faces of said gland seat and said gland ring for sealing the space between said annular faces, said gland seat having integral therewith an annular housing extending past said resilient washer for restraining the outer edge of said resilient washer, part of the pressure force between said working faces being transmitted directly through said gland ring and said spherical surfaces to said gland seat so that said resilient washer is subjected to a pressure force smaller than that between said working faces.

2,571,258
PNEUMATIC TIRE SHAPING AND VULCANIZING APPARATUS
Thomas A. Kolins, Akron, Ohio
Application June 18, 1947, Serial No. 755,339
16 Claims. (Cl. 18—17)

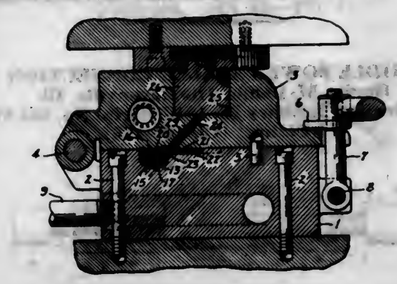
1. Apparatus for shaping and vulcanizing pneumatic tires including a lower platen, a tire mold half mounted in sealing relation on the lower platen, an upper platen, a complementary tire mold half mounted in sealing relation on the upper platen, a header carried by one of the platens, a seal ring carried by the header and adapted to engage with a tire bead of a substantially flat built tire when the other bead is engaging with the bead seat of one of the mold halves, means for moving the header to force the tire beads towards each other, means for supplying fluid under pressure to the inside of the tire carcass during the movement of the beads together to shape the tire carcass, a collapsible



bull ring carried by the header, means for expanding the bull ring between the tire beads as they move together, means for moving the platens together to bring the mold halves into register and to cause the bull ring to force the beads into sealing relation with the mold halves, means for collapsing the seal ring prior to movement of the mold halves into register, and separate means for supplying steam under pressure between the platens, said bull ring being vented to allow the fluid to flow inside the tire and force it against the mold, and the bull ring being thicker than the distance between the tire beads when the mold is closed.

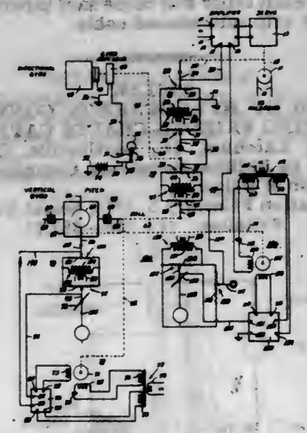
2,571,259
METHOD OF JOINING ANGULARLY DISPOSED SECTIONS OF VULCANIZED RUBBER STRIP STOCK
Stanley Kusiak, Wabash, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application February 14, 1949, Serial No. 76,316
4 Claims. (Cl. 18—59)

1. The herein described method of forming the corner joints of elastic rubber refrigerator door gaskets and the like from previously vulcanized tubular strip stock which comprises forming an obtuse angled mitered cut in the strip stock extending through the major portion of the width of the strip, forming an opening in the tubular wall adjacent the cut, placing opposite ends of an elbow core within portions of the tubular strip on opposite sides of the mitered cut to be joined with opposed mitered edges spaced apart exteriorly of the core, clamping the portions to be joined in a heated vulcanizing mold having separable sections with meeting faces recessed to provide a cavity that conforms to the finished corner joint and in which the tubular end portions on said core are clamped to the core, injecting plastic vulcanizable material into said cavity under high pressure to mold a corner-piece between



said opposed edges, and subjecting the said vulcanizable material to heat and pressure for a sufficient period of time to vulcanize the same and unite the corner piece to said opposed end edges.

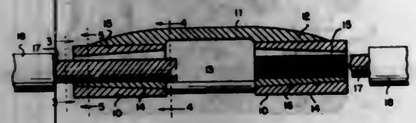
2,571,260
AUTOMATIC PILOT
Robert J. Kutsler, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 23, 1948, Serial No. 67,026
20 Claims. (Cl. 244—77)



20. Control apparatus for an aircraft comprising: power means for controlling the attitude of the craft about its longitudinal axis; control means for said power means; a first balanceable circuit for operating said control means said circuit including a manually operable turn control means for unbalancing said circuit to cause the craft to bank and turn, means responsive to tilt about said bank axis including a gyroscope, and follow up means driven by said power means; motor operated erecting means for said gyroscope for changing the direction of its rotor axis; additional control means for said motor operated erecting means; and a second balanceable circuit for operating said additional control means, said second balanceable circuit including said manually operable means, said tilt responsive means, and a gravitational responsive means so positioned on said craft as to be affected by the bank attitude of said craft and lateral acceleration thereof, whereby the tendency to erect

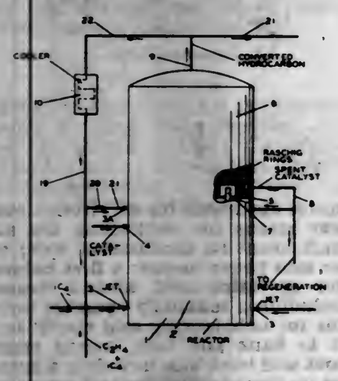
said gyro rotor axis to the direction of apparent gravity on banked turns of the craft from said tilt responsive and gravitational responsive means is offset by said manually operable means.

2,571,261
BRIDLE POWER SEALED CONNECTION
Homer M. Lamb, Thompsonville, Ill.
Application January 23, 1946, Serial No. 643,878
1 Claim. (Cl. 287—76)



In combination, a first cable, a flexible saddling crown having an arcuate seat for receiving lengthwise said cable, removable adhesive means anchoring said crown to said cable, a block extending transversely from said crown, a frusto-conical bore in said block, a second cable having the terminal thereof in said bore, a plurality of tapered wedge members in said bore slidably engaging the walls thereof and circumferentially spaced about said second cable terminal frictionally embracing the same, whereby relative movement or any tendency thereto to separate said block and said second cable terminal relatively to each other will cause said tapered wedges to firmly grip said second cable.

2,571,262
METHOD OF HYDROCARBON CONVERSION UTILIZING FRIEDEL-CRAFTS CATALYSTS
John W. Latchum, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 5, 1948, Serial No. 6,450
6 Claims. (Cl. 260—683.4)



1. In a catalytic conversion process utilizing a Friedel-Crafts type of catalyst complex, comprising the steps of contacting the hydrocarbon reactants with a Friedel-Crafts type of catalyst complex under conversion temperature and pressure conditions, the improvement comprising effecting mixing of the reactants and catalyst, conversion of the hydrocarbons and separation of the reaction mixture including reaction products from the catalyst characterized by continuously withdrawing a portion of the reaction mixture, passing said portion into a body of packing material to deposit the catalyst thereon, passing the hydrocarbons partially freed of catalyst through the packing material to effect separation of the catalyst from the hydrocarbons, returning the catalyst over the packing material countercurrent to the flow of reaction mixture while maintaining reaction temperature and pressure conditions in the packing material zone collecting the catalyst in a body at the bottom of the body of packing material and withdrawing the spent catalyst from said body of catalyst.

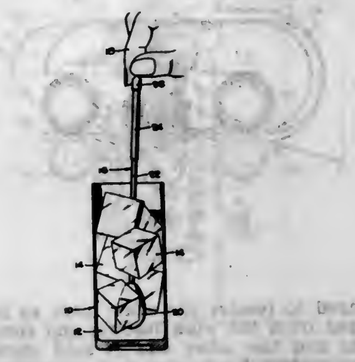
2,571,263
PRINTER'S QUOIN
James Edgar Lee, Grand Haven, and Freeman Barney, Spring Lake, Mich., assignors to The Challenge Machinery Company, Grand Haven, Mich., a corporation of Michigan
Application July 18, 1949, Serial No. 105,282
6 Claims. (Cl. 254—42)



1. In a printer's quoin, an elongated quoin member having a flat outer side and an inner side disposed at an acute angle to its outer side, said quoin member for a portion of its length between its ends at its inner side having a plurality of consecutive transverse rack teeth, a separating quoin expanding member located against the inner side of said quoin member and having an inclined side to ride against the inclined side thereof, and having a transverse opening therethrough between its ends open at the side thereof adjacent said rack teeth, a key having a spindle with a plurality of radially projecting spaced teeth to engage and cooperate with said rack teeth for moving said separating member back and forth lengthwise of the quoin member, and a second quoin member between which and the first quoin member said separating member is located having an outer flat side substantially parallel to the outer flat side of the first quoin member and an inner side inclined at an acute angle to the outer flat side of said second quoin member, said inclined inner sides of the quoin members converging toward one end of said quoin and diverging toward the other end thereof, and said separating member having a second side riding against the inclined inner side of the second quoin member for expanding said quoin members in a direction perpendicular to their length on key actuated movement of the separating member in the direction of the converging ends of the inclined sides of said quoin members.

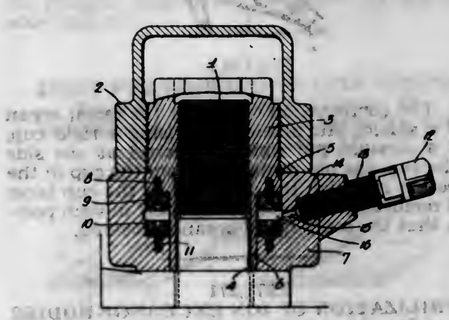
2,571,264
SWIVEL SPOON
Philip H. Legarra, West Los Angeles, Calif., assignor of one-half to James E. McPhee, Culver City, Calif.
Application June 18, 1949, Serial No. 99,949
2 Claims. (Cl. 259—144)

1. A spoon comprising in combination: a head portion, said head portion being bored and counterbored; a sleeve rigidly secured within the counterbore of said head portion a distance sufficient to leave a space in the extremity of said counterbore; a handle portion, said handle portion being grooved adjacent its one extremity, said handle portion slidably extending into said sleeve with said grooved extremity of said handle portion



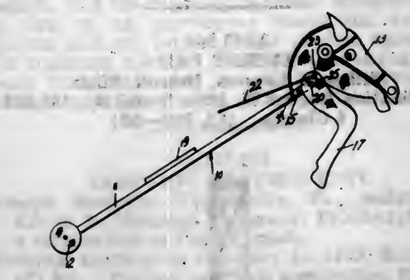
registering with said counterbore space; a snap ring carried by said grooved extremity extending into said space to lock said handle portion rotatably within said head portion; and a stirring element rigidly affixed to the other extremity of said handle portion.

2,571,265
HYDRAULIC TENSIONING NUT
Axel Gustav Edvard Leufvén, Goteborg, Sweden
Application June 7, 1946, Serial No. 675,134
In Sweden June 13, 1945
1 Claim. (Cl. 85—32)



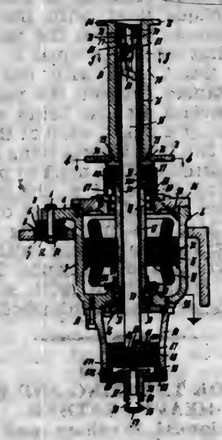
In a device for facilitating the tightening of nuts on work-retaining bolts, a unitary cylindrical structure adapted to embrace the threaded end of the bolt and comprising axially relatively movable elements, and means for applying pressure to relatively move said elements to expand the structure, one of said elements being arranged for reaction with the said work and having a seat for the nut, and the other of said elements having internal threads for attachment to the bolt independently of the nut and external threads for reception of the nut and on which the nut may be turned down upon the said seat.

2,571,266
TOY STICK HORSE
Eugene Levay, New York, N. Y.
Application October 29, 1949, Serial No. 124,343
5 Claims. (Cl. 46—97)



1. In a toy stick horse, a stick proper, an imitation horse head at the front end thereof, a seat intermediate its two ends, imitation horse legs depending at the front end of the same, and means to impart movements to said legs by the person using said seat, said legs being pivoted at the front end of the stick and said means comprising a cord loop simulating reins, the front ends of which are secured to the respective legs at the two sides of the device, said head also being pivoted at the front end of said stick and means whereby pivoted motion of the legs will cause a similar motion of the head.

2,571,267
SPINNING SPINDLE
Thor H. Ljunggren, Charlestown, N. H., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 19, 1946, Serial No. 642,322
3 Claims. (Cl. 57—100)



1. In combination, a support, a tubular arbor journaled in said support, a blade extending vertically and freely through said arbor, a coupling between said blade and arbor comprising an element carried by and fixed to said blade, an element carried by and fixed to said arbor, said elements having spaced opposed faces, a resilient element between and bonded to said faces, a bearing assembly comprising vibration absorbing

and damping means surrounding said bearing assembly supporting the lower end of said blade, and means for adjusting the position of said vibration absorbing and damping means of said bearing assembly relative to said coupling to thereby adjustably load said resilient element.

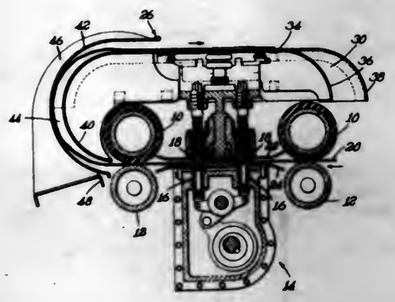
2,571,268
TICKET PAD
Milton H. London, Detroit, Mich.
Application August 22, 1950, Serial No. 180,863
4 Claims. (Cl. 283—53)



1. A patterned ticket pad comprising a continuous strip of end to end connected identical length tickets folded in zig-zag form and thus forming a strip pad of rectangular form having front and back faces each bounded by horizontal and vertical sides and formed by the edges of the tickets, said faces having on each a marking in the form of a predetermined geometric pattern, including two criss-crossing or intersecting sets of parallel oblique lines, with the horizontally measured distances between the parallel oblique lines of the first set being equal to one-half the length of a ticket, and with the horizontally measured distances between the parallel oblique lines of the second set also being equal to one-half the length of a ticket, each of the two halves of each of the two ticket edges being at least twice marked, the corresponding marked points of each ticket half being aligned, i. e., the same distance from the center line of the ticket of which that half forms a part, the intersecting oblique lines being symmetrically arranged with respect to imaginary vertical and horizontal lines passing through such intersections, with such lines bisecting the angles at such intersections.

2,571,269
MACHINE FOR TREATING AND HANDLING HEAVY LEATHER
John J. Maciejowski, Wenham, and Richard W. Daniels, Jr., Salem, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 19, 1950, Serial No. 156,826
1 Claim. (Cl. 69—1)

A machine for compacting heavy leather comprising a frame, means on said frame for feeding a work piece in spread-out condition through the machine and in a substantially horizontal plane, means acting simultaneously with the feeding operation for compacting successive portions of said work piece, and a U-shaped chute comprising arcuate concentric plates at the rear of the machine defining the curved portion of a U-shaped channel with one end of said chute



arranged to receive the work piece as it is discharged from the work feeding and compacting means and the other end of said chute being approximately horizontal and extending above the front portion of the machine.

2,571,270
SHIELDING DEVICE
Raymond R. Marchese, Pittsburgh, Pa.
Application December 19, 1949, Serial No. 133,924
2 Claims. (Cl. 69—20)

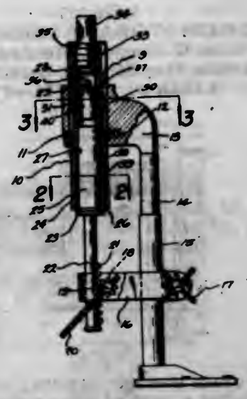


1. The combination of a scarf fur facial organ and a shield, said shield comprising a rigid cup, and a straight pin rigidly attached at one side of the cup, the pin projecting from the cup in the direction in which the open end of the cup faces and removably disposed in the scarf in such position that the scarf facial organ is covered.

2,571,271
STERILIZATION OF ION EXCHANGE BODIES
Henry Clay Marks, Glen Ridge, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
No Drawing. Application January 20, 1948, Serial No. 3,379
10 Claims. (Cl. 21—2)

4. A method of sterilizing a body of organic ion exchange material, comprising treating said material with an aqueous solution of chloromelamine containing not more than four active chlorine atoms for each melamine group, the quantity of such solution being not less than about five gallons per cubic foot of ion exchange material and said chloromelamine being present in a quantity providing from about 10 to 200 P. P. M. available chlorine.

2,571,272
NECK RESIZER AND BULLET SEATER
George J. Martin, Detroit, Mich.
Application July 31, 1948, Serial No. 41,807
3 Claims. (Cl. 86—24)



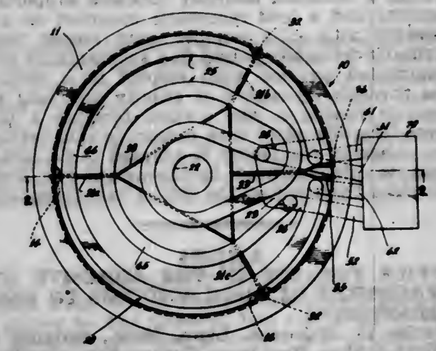
1. A shell neck resizer and bullet seater of the class described comprising a supporting tube having a bore formed therethrough; a bushing slidably mounted in said bore and having its bore centered relatively to the axis of the bore of said tube and adapted for reception of a shell at the large portion thereof; a sizing bushing mounted in said tube in spaced relation to said first named bushing and having a bore formed therethrough centered relatively to the axis of said slidable bushing and of a size for the reception of a reduced neck forming portion on said shell upon movement of said slidable bushing into approach to said sizing bushing, said slidable bushing having a longitudinal groove formed in its periphery and said tube having a stud projecting inwardly and engaging in said groove for limiting longitudinal movement of said slidable bushing.

2,571,273
JOINT FOR ROOFING OR LIKE SHEETS
Patrick E. McCullough, Chicago, Ill.
Application January 28, 1948, Serial No. 4,761
5 Claims. (Cl. 108—22)



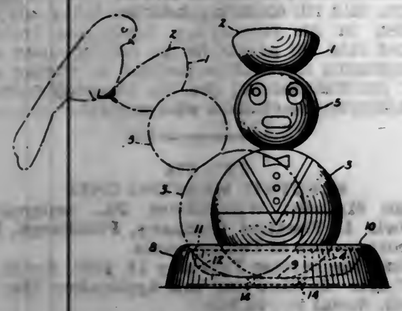
1. A joint for binding a pair of roofing sheets brought into an edge to edge relation, comprising a rib along an edge of one of said sheets, a rib engaging member along an edge of the other of said sheets, said rib engaging member being formed out of the marginal body portion of said second named sheet, a hook projecting from said first-mentioned sheet and spaced from said rib, said hook being inturned with its edge toward said rib, a flap extending from the body portion of said second named sheet substantially at a point of juncture of said rib engaging member and the adjacent body portion of said second named sheet, said rib and said rib engaging member extending above the plane of said sheets and on one side thereof, means for affixing said flap to a roofing foundation, said rib engaging member and said flap defining a substantially U-shaped sheath for receiving therewithin said rib with the sheath embracing the rib and the flap extending between the rib and the roofing foundation, said rib engaging member being adapted to flex in an enveloping contactual relation around said rib and a flange carried upon said rib engaging member in position to engage said hook for maintaining the rib engaging member in an enveloping relation with said rib.

2,571,274
ELECTRIC HEATING UNIT
Joseph McOrily, Wilkinsburg, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania
Original application February 12, 1945, Serial No. 577,521. Divided and this application May 27, 1949, Serial No. 95,709
5 Claims. (Cl. 219—37)



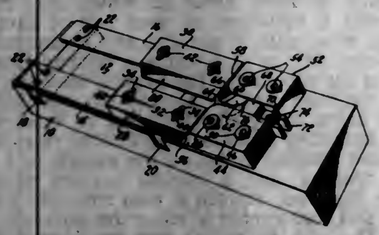
1. An electric hot-plate assembly, comprising an electric heating element, a frame including radially disposed arms on which said heating element is mounted, at least two of said arms being substantially parallel and extending from opposite sides of said frame, a reflector pan, and a ring for supporting the heating element, frame and reflector pan in a stove-top opening, said ring being generally U-shaped in cross-section and including a laterally extending ring-like top portion adapted to rest on the margin of a stove-top opening, and a tubular portion depending from the inner margin of said ring-like top portion and constructed to enter the stove-top opening, the said depending tubular portion having supporting means substantially below the uppermost end thereof and inturned toward its center on which the reflector pan and the heating element supporting frame are adapted to rest, whereby the said ring, heating element, heating element supporting frame and reflector pan may be removed from the stove-top opening as a unit, and opposed frame arm receiving means in said depending tubular portion into which the ends of the oppositely disposed substantially parallel arms of the heater element supporting frame relatively loosely extend a distance beyond the inner periphery of the depending tubular portion, whereby the said heating element supporting frame may be disassembled from the depending tubular portion of said ring by lateral movement of the supporting frame relative to said tubular portion.

2,571,275
SELECTIVE FEEDER FOR WILD BIRDS
Mabel S. Meaker, Euclid Ohio
Application February 25, 1949, Serial No. 78,410
5 Claims. (Cl. 119—51)



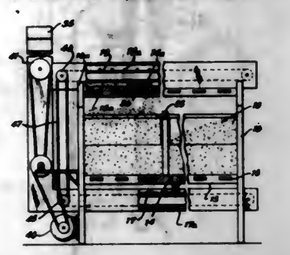
1. A selective feeder for small wild birds comprising a balanced laterally rockable supporting member and a food receptacle mounted on and movable with said member, said feeder being normally delicately poised in a substantially predetermined position with respect to a vertical line through its center of gravity and said receptacle having a rim portion forming a bird perch laterally offset with respect to said vertical line, whereby the feeder is adapted to be rocked from its poised position by the weight of a small wild bird alighting on the rim of said receptacle.

2,571,276
DEVICE FOR USE IN THE ADHESIVE ATTACHMENT OF EDGE BINDINGS TO SHOE PLATFORMS
Charles G. Melanson, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 22, 1948, Serial No. 22,556
5 Claims. (Cl. 12—17)



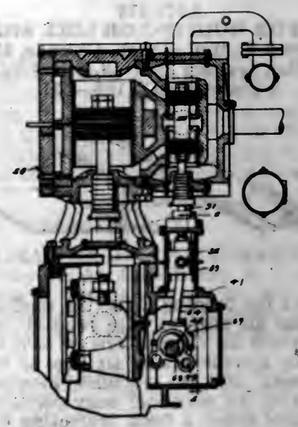
4. In a device for use in the adhesive attachment of an edge binding to a shoe platform, a base block having an upper surface adapted to support a strip of precemented edge binding material, a pair of parallel guide members carried by said block for engaging the lateral edges of the strip to determine the lateral position of the strip, a pair of parallel guide members carried by said block for engaging the marginal portions of the upper and lower faces of a shoe platform to determine the lateral position of the edge face of the platform, and a pair of abutments adjacent to the ends of the guide members, said abutments having conical surfaces arranged to turn the lateral margins of the strip over, said abutments having also flat surfaces arranged to hold the lateral margins of the strip against the precemented margins of the upper and lower faces of the platform to cause the margins of the strip to adhere to the margins of the platform as the platform and with it the strip are fed under control of their respective guide members.

2,571,277
GRAIN STORAGE TERMINAL
James R. Morrow, Meadow, Tex.
Application May 24, 1949, Serial No. 95,053
8 Claims. (Cl. 214—17)



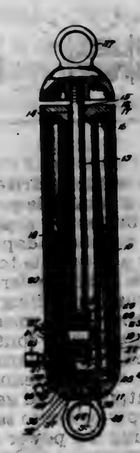
7. In a grain storage terminal, a grain receiving bin having a pair of spaced side walls, a pair of end walls connecting said side walls, a bulkhead positioned in said bin parallel to one pair of said walls, means in said bin providing free sliding movement of said bulkhead thereby forming separate variable grain receiving sections, and means for varying the capacity of said grain receiving sections including a conveyor system for transferring grain from one of said sections to the other thereby creating a grain pressure differential between the two sides of said bulkhead causing the bulkhead to automatically move relative to said one pair of said walls.

2,571,278
FLUID PRESSURE MEANS FOR ADJUSTING THE VALVE GEAR FOR STEAM ENGINES
Herman Gundert Mueller, Erie, Pa.
Application July 11, 1947, Serial No. 760,227
9 Claims. (Cl. 121—162)



1. In combination a steam engine comprising a cylinder, a piston working in said cylinder, a main crankshaft, means connecting said main crankshaft with said piston, a sliding valve correlated with said cylinder, and valve gear means connected with said sliding valve, a second cranking shaft having an offset, means supporting said second crankshaft for rotation and for endwise adjustment, means connecting the offset of said second crankshaft with said sliding valve, a second sliding valve for effecting endwise movement of said second crankshaft, fluid pressure means for adjusting said second sliding valve endwise, centrifugal means for regulating the operation of said fluid pressure means, and spring tensioned means correlated with said fluid pressure means effecting endwise shifting of said second sliding valve to a speed reducing position upon failure of fluid pressure.

2,571,279
SHOCK ABSORBER
Nils O. Myklestad, Urbana, Ill.
Application June 3, 1949, Serial No. 96,931
3 Claims. (Cl. 188—88)



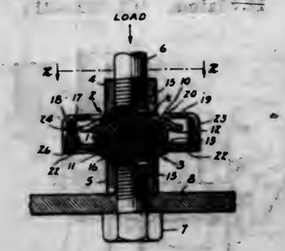
1. A shock absorber comprising a substantially cylindrical casing, a cylinder mounted in the casing and spaced from the walls thereof to define a fluid reservoir, a fluid impervious gas tight sack in the reservoir, means for introducing gas under pressure into the sack, a piston reciprocable in the cylinder and having a plurality of orifices therein extending through the piston, a piston rod connected to the piston and extending therethrough, a collar slidably mounted on the rod on one side of the piston, a metering pin mounted on the collar and adapted to open and close an orifice, a spring urging the collar against the piston to urge the pin toward movement in a closing direction, a second collar slidably mounted on the rod on the other side of the piston, a second metering pin mounted on the second collar and adapted to open and close another orifice, a spring urging the second collar against the piston to urge the second pin toward movement in a closing direction, a fluid passage between the cylinder and the reservoir, and a pressure responsive valve in the passage.

2,571,280
ATTACHMENT FOR ARTICULATORS
Angel J. Naggi, Allentown, Pa.
Application November 20, 1947, Serial No. 787,045
7 Claims. (Cl. 32—32)

1. In a dental articulator comprising a frame and a support for holding a lower jaw model; an apparatus for setting teeth in place on the lower plate, comprising a swingable support adapted for removable and swingable engagement with the frame, a movable member, a bracket connecting said swingable support and said movable member, said bracket being provided with a plurality of slots, fastening means securing said swingable support to said bracket at one of said slots to permit said movable member to be selectively moved toward and away from said swingable support, second fastening means securing said movable member to said bracket at another slot therein to permit said movable member to be moved in a plurality of directions with said movement being independent of said first mentioned movement of said movable member toward and away from said swingable support, a spindle universally connected to the lower end of said movable member, and a mounting plate secured to said spindle and adapted to overlie said lower jaw model.



2,571,281
RESILIENT MOUNTING
Elden Paul Neher, North Manchester, Ind., assignor to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 13, 1947, Serial No. 773,844
11 Claims. (Cl. 248—358)



1. A vibration-damping connection comprising two rigid connectors, each having attaching means for attachment to one of two relatively vibratable members and a rigid disclike transverse portion with a centrally disposed bearing surface, said connectors being arranged with said bearing surfaces directed toward each other, a mass of separately formed, soft vulcanized rubberlike material disposed between said bearing surfaces with one of two opposite sides of said mass bearing against each of said bearing surfaces, and a retaining member carried by one of said disc-like portions and forming therewith an annular inwardly facing channel in which the peripheral edge of the other disc-like portion is movably retained, whereby maximum separation of the disc-like portions is limited by the width of said channel and minimum separation is limited by the resistance and thickness of said resilient member.

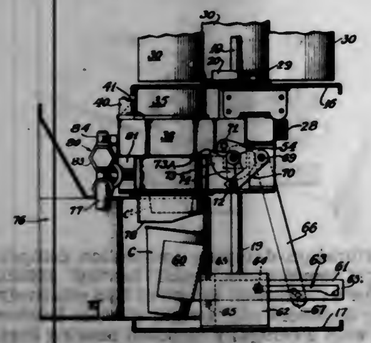
the area of said bearing surfaces being greater than the initial area of contact of said resilient mass thereon.

2,571,282
SPORT SEAT
Fred P. Newton, Gainesville, and Lloyd M. Barker, Wichita Falls, Tex.
Application March 27, 1950, Serial No. 152,162
6 Claims. (Cl. 155—133)



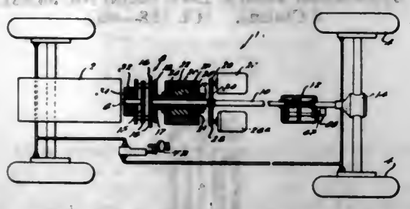
1. A collapsible seat structure comprising a substantially U-shaped back section and a substantially U-shaped base section having their ends pivoted together, a continuous seat frame attached to said back section and said base section and embracing the back section and overlying the base section to limit swinging movement of the back section from the base section, and means carried by the base section for engaging a supporting structure.

2,571,283
AUTOMATIC BEVERAGE DISPENSING APPARATUS
Ralph A. Nicholson, Chicago, Ill., assignor, by mesne assignments, to Lyon Industries, Inc., New York, N. Y., a corporation of Delaware
Application July 1, 1946, Serial No. 680,621
12 Claims. (Cl. 225—21)



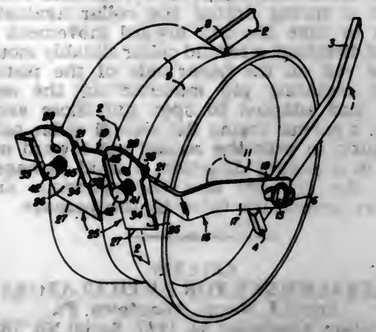
12. Dispensing apparatus comprising a cyclically operable liquid dispenser, a cyclically operable cup dispenser, a cyclically operable cup magazine, a reciprocable cup positioning means receiving a cup from said cup dispenser and advancing said cup to and beyond a position of alignment with said liquid dispenser to be filled from the latter, a main power shaft and motor means therefor rotating said shaft through one complete dispensing cycle for each dispensing operation thereof, means controlling said motor means to start and stop the same in dispensing operations as aforesaid, and means driving said liquid dispenser, said cup dispenser, and said cup positioning means in cyclic dispensing operations and aligning operations, respectively as aforesaid, and means controlled by cups in said cup dispenser for effecting step by step cyclic advance of said cup magazine for discharging cups into the cup dispenser when there are less than a predetermined number of cups in the latter.

2,571,284
POWER TRANSMISSION
Paul T. Nims, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 6, 1946, Serial No. 681,630
24 Claims. (Cl. 290—17)



11. In a motor vehicle drive, a differential mechanism having a rotatable power input member adapted to be driven by a power source and having an output member adapted to drive the vehicle and having a rotatable torque controlling member, an electric power-generating means rotatable by said torque-controlling member, means energizing said generating means and having automatic means effective to control it automatically for maintaining a predetermined maximum output from the generating means, electric motor means driven by output of said generating means and operable to supply power to said output member, means controlling the power delivered by the power source, and means operable by said source controlling means for rendering said automatic control and energizing means ineffective.

2,571,285
PRESS WHEEL SCRAPER
William P. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 4, 1949, Serial No. 74,692
6 Claims. (Cl. 280—158)



1. A scraper unit for a ground wheel, comprising a scraper frame including an apertured section, a scraper blade having an aperture therein, a scraper blade holder including a pair of spaced apart blade-engaging flanges receiving said blade therebetween, a pair of spaced apart frame-engaging flanges receiving said scraper frame therebetween, and a central aperture lying generally centrally between both said frame-engaging flanges and said blade-engaging flanges, and a pin extending through the apertures in said blade, holder and frame section for holding the parts of the scraper unit together.

2,571,286
SULFONATED ALCOHOLS
Julian A. Otto, Long Island City, and Everett E. Gilbert, New York, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application February 12, 1948, Serial No. 8,003
10 Claims. (Cl. 260—513)

1. As a new compound a member of the group consisting of the sulfonated alcohol,

$$(HSO_3)_2CHCH_2OH$$

and salts thereof of the formula

$$(MeSO_3)_2CHCH_2OH$$

wherein Me represents a metallic radical.

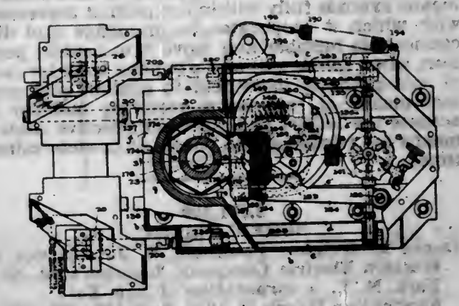
2,571,287
LEVELING DEVICE
Alfred H. Peters, Davis, Calif.
Application September 9, 1949, Serial No. 114,808
4 Claims. (Cl. 33—73)



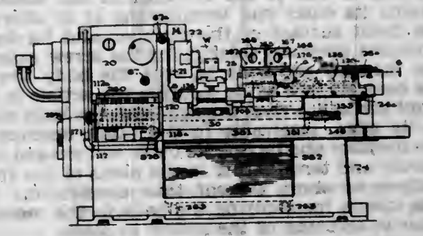
1. A leveling device comprising a base having an aperture, a support pivotally mounted at said aperture, a plumb bob depending from said support, depending lugs spaced from the aperture about the outer margin of said base, said lugs being adapted for attachment of legs to the base, and a skirt shaped at its upper end to fit against the under face of the base outside said lugs, said skirt extending below the level of said plumb bob to protect the same against the action of wind.

2,571,288
MACHINE TOOL
William Wallace Potter and Alfred Joseph Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application May 26, 1944, Serial No. 537,490, now Patent No. 2,455,876, dated December 7, 1948. Divided and this application March 25, 1946, Serial No. 656,928
18 Claims. (Cl. 29—50)

1. In a machine tool having a turret slide, an indexable rotatable turret mounted on said slide and having a plurality of flat faces disposed about a perimeter of the turret, means for indexing the turret about its axis, means for locking and unlocking the turret in indexed position including a fixed abutment carried by said slide and adjacent to the turret and a lock member movable tangentially relative to the turret into and out of position between said abutment and an opposing one of the said flat faces on the turret whereby, when said member is moved to engage the abutment and a flat face on the turret, the turret is locked and, when moved out of engagement with said flat face, the turret is unlocked and free to rotate.



2,571,289
MACHINE TOOL
William Wallace Potter and Alfred Joseph Fuller, Pawtucket, R. I., assignors, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application May 26, 1944, Serial No. 537,490, now Patent No. 2,455,876, dated December 7, 1948. Divided and this application March 25, 1946, Serial No. 656,929
9 Claims. (Cl. 29—64)



1. In a machine tool having a reciprocable toolslide, a drive for reciprocating said slide at different slow speeds and at a high speed, a disconnectible device interposed between said slow speed mechanism and said quick motion means for the slide, whereby said drive means may be driven from the slow speed mechanism or the quick motion means or disconnected from both; in combination with a selectable control device for operating said disconnectible device and including a power-receiving member connected with said disconnectible device and movable in opposite directions to disconnect said quick motion means from the slide drive means and connect the latter with the said slow speed mechanism, when moved in one direction, and conversely, when operated in the other direction, contact means on said power receiving member to alternately extend into and be removed from paths of move-

ment, according to the position of the power-receiving member, whereby the disconnectible device is moved alternately to the two positions mentioned; and other means on said power-receiving member dimensioned and arranged to partially extend into another path of movement, when one of said first mentioned of said contact means extends fully within the path of movement with which it cooperates, to disengage said disconnectible member and move it to neutral position, when contacted; and a moving body for each of said paths of movement to contact said contact means of said power-receiving member to actuate the latter; and a pre-set selective control means for releasing said bodies at predetermined times.

2,571,290
SCREW INSERT
James E. Quigley, Fanwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1946, Serial No. 658,478
1 Claim. (Cl. 151—33)



A screw support for a thin metal member to provide adequate bearing for the thread of a screw to secure an article to the front surface of the member, the support comprising a thin metal member with spaced openings therethrough, an element thicker than the member and having a body of sufficient size to cover the back surface of the member between the openings and for given distances beyond the openings, a boss short of the edge of the body, integral therewith, fitting slidably in one of the openings of the member, having its outer end terminating at or short of the front surface of the member and having a threaded aperture therein for the screw extending through the body to urge the body toward the back surface while securing the article to the front surface, a rivet integral with the body short of its edge, receivable in the other opening of the member and having its outer end swaged outwardly and terminating in the plane of the front surface or short thereof thus constituting the sole means for securing the body to the member prior to securing of the article in place.

2,571,291
CLUTCH PLATE
Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application October 1, 1947, Serial No. 777,155
6 Claims. (Cl. 64—27)

1. A friction clutch plate assembly comprising an axial member defined solely by a flat central disc having a splined axial opening adapted for mounting on a rotatable shaft, said disc formed of a thick sheet metal stamping having sufficient thickness to transmit torque to the shaft and having circumferentially spaced seats in its outer margin; rigid intermediate plates arranged one on each side of said disc and each having a central opening of greater diameter than the axial opening in said central disc; and stop pins securing said intermediate plates together, said pins having their shanks engaged with the bottom walls of said central disc seats whereby to pilot said



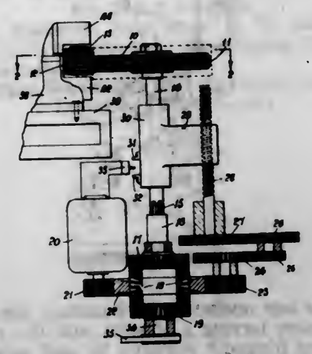
plates on said disc and restrain said plates against radial movement.

2,571,292
SHEET METAL PANEL STRAIGHTENING DEVICE
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application July 21, 1948, Serial No. 39,959
1 Claim. (Cl. 20—38)



The combination with a relatively thin sheet metal panel having a coating of vitreous enamel on at least one face and subjected to warpage due to internal stresses set up in the heat treatment during enameling, of an integral flange extending around the marginal edge of the panel, an elongated flat metal strap having opposite ends, each of said ends presenting a panel-engaging face, said faces being in a common plane and said ends being rigidly and fixedly secured in face-to-face engagement with the inner face of the portion of said flange at the rear edge of the panel, said strap being made of steel sufficiently soft to be readily bendable but capable when bent of retaining its form against any force exerted thereon by the internal stresses in the panel, and said strap having a portion intermediate its ends offset with respect to said ends and said portion of said flange for gripping and applying to such portion a twisting force effective to permanently bend the strap in a direction to counteract the internal stress tending to warp the panel and thereby remove the warpage from the panel.

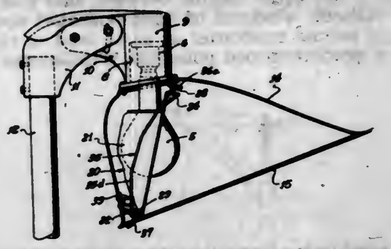
2,571,293
MEANS FOR AND METHOD OF FORMING GRINDING WHEELS
Walter F. Ross, Northville, Mich., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Application February 8, 1946, Serial No. 646,253
2 Claims. (Cl. 125—11)



1. In a machine for crusher rolling a helical thread on the peripheral surface of a cylindrical abrasive wheel composed of abrasive particles bonded in a crushable bond, in combination, driving means operatively connected to said abrasive wheel for rotating said wheel, an annularly ribbed, freely rotatable crusher roller of substantially hourglass shape and having a surface characterized by a plurality of annular, V-shaped grooves, said crusher roller being of non-abrasive material and being of sufficient hardness to crush-form the peripheral surface of said abrasive wheel, means operatively connected to said crusher roller for supporting said roller for free rotation and for holding and pressing said roller against and into the periphery of said abrasive wheel during rotation thereof, whereby said crusher roller and abrasive wheel rotate at substantially the same peripheral velocity, means operatively connected to said support and holding means for pivotally adjusting said support and holding means about a transverse axis radial to said wheel to adjust the axis of said roller at right angles to the thread to be formed on said wheel, and means operatively connected to said crusher wheel for effecting traversing motion between said wheel and said roller during rotation of said wheel, whereby the ribs of said roller will traverse the thread to be formed on said wheel.

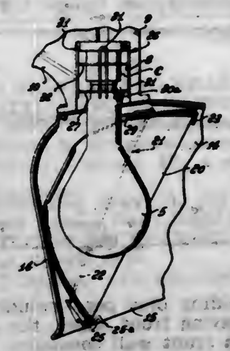
2,571,294
INNER REFLECTOR MOUNTING FOR FLOODLIGHTS
Frank Sale, Beverly Hills, and Donald Press, North Hollywood, Calif., assignors to Flood-Lite Service Inc., Los Angeles, Calif., a corporation of California
Application April 26, 1949, Serial No. 89,634
20 Claims. (Cl. 240—3)

6. In a mounting for a concave flood light reflector, said flood light including a depending lamp bulb and a hood therefor, said reflector having flanges respectively adjacent its upper and lower edges, each of said flanges having a through aperture located centrally transversely of the reflector; a resilient frame having side portions adapted to be outwardly bowed and tensioned across the back of said reflector and in contact therewith, and transverse end portions each having an aperture engaging projection intermediate the ends thereof, said projections and said tensioned side portions cooperat-



ing to fix the reflector in the frame; means for supporting said frame in said hood; and means extending rearwardly from each of said side portions for contacting the hood to locate the reflector therein.

2,571,295
DETACHABLE MOUNTING MEANS FOR FLOODLIGHT REFLECTORS
Frank Sale, Beverly Hills, and Donald Press, North Hollywood, Calif., assignors to Flood-Lite Service Inc., Los Angeles, Calif., a corporation of California
Application October 10, 1949, Serial No. 120,464
10 Claims. (Cl. 240—3)

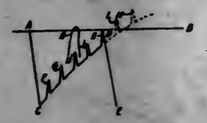


2. In a reflector mounting; a support-engaging member comprising a resilient ring and a plurality of elements extending axially thereof and secured thereto in angularly spaced relation; a plurality of arms fixed to said member and extending therefrom in a direction generally axially of said ring, reflector engaging members on the outer ends of said arms, and a ring forming a seat for the reflector, fixed to and disposed between said arms at a point inwardly of said reflector-engaging members.

2,571,296
PULSE-CONTROLLED OSCILLATOR
Gordon Sidney Pengelly Scantlebury, Ealing, London, England., assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application September 11, 1945, Serial No. 615,537
In Great Britain September 20, 1944
3 Claims. (Cl. 250—36)

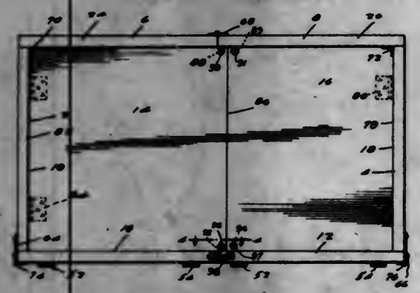
2. A triggerable relaxation oscillator comprising in combination an amplifier having at least

a cathode, a grid and a plate, a first condenser connected to said grid, a polarity reversing circuit connected between said condenser and said plate, a resistance and a second condenser coupled in series in the order named between said grid and said cathode, a source of fixed potential coupled to said second condenser so as to tend to charge it to a predetermined potential, a unilateral cur-



rent conducting device having a plate and a cathode, the plate of said unilateral device being connected to a point between said resistance and said second condenser, a second source of potential, and means connected to the cathode of said unilateral device and said second source of potential for decreasing the potential of the cathode of said unilateral device in response to an increase in potential of said grid.

2,571,297
PLAY PEN
Bernard C. Schindler, Burlingame, Calif.
Application December 13, 1946, Serial No. 716,012
3 Claims. (Cl. 5—99)



2. In a folding play pen, including a pair of side walls having front edges, the improvement comprising a front wall consisting of a pair of panels, each of said panels being formed of a lower panel and an upper drop panel hingedly connected together on a horizontal axis, hinge means hingedly connecting said lower panels to said front edges of said side walls, locking means releasably connecting said drop panels to said front edges of said side walls whereby at times said drop panels may be dropped and raised separately, and means for releasably connecting said drop panels together in end-to-end relation whereby at times said drop panels may be dropped and raised as a unit.

2,571,298
UPRIGHT PIANO ACTION AND PEDAL ASSEMBLY
Humbert Thurston Scott-Huntington, Belmar, N. J.
Application July 15, 1946, Serial No. 683,634
11 Claims. (Cl. 84—246)

1. Apparatus of the kind described comprising a butt rail support, a hammer movably mounted thereon, a key, parts between the key and the hammer to actuate the latter, a damper having a stem attached thereto, a second stem screwed to the first-named stem, the last-named stem extending into proximity with the key, the key and said stem having portions adapted to engage



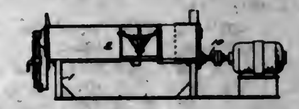
when the key operates the hammer, the second-named stem having a tongue, and the rail having means hingedly engaged by said tongue, and spring members attached to the rail between the hammer and damper.

2,571,299
METHOD OF MAKING INSOLES CHANNELED ONLY IN THE SHANK REGION
Victor A. Sherbrook, East Millbury, Mass., assignor to Milford Shoe Co., Milford, Mass., a corporation of Massachusetts
Application April 6, 1948, Serial No. 19,379
6 Claims. (Cl. 12—146)



1. Method of making insoles comprising cutting a blank to sole shape smaller at the forepart than the sole area of the corresponding last, channeling at the shank to form lips and securing a tape to the forepart edge from shank lip to shank lip, cementing a cover to the unlipped side of the insole, turning the cover edges over to conjoin within the tape, and cementing the tape to the conjoining cover edge to make the tape stand out as a rib.

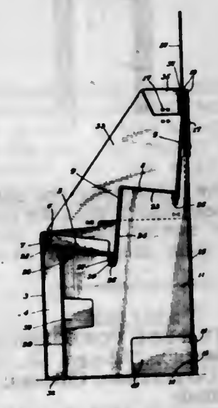
2,571,300
MIXING AND CUTTING MACHINE
Martha Offenhauser Simpson, Penn Wynne, Pa.
Application March 7, 1949, Serial No. 79,991
3 Claims. (Cl. 259—136)



1. A feed member comprising a hollow, helical strip, and a member having longitudinally extending stretches at two opposite sides connected with said strip at peripheral portions of its convolutions and having at the other two opposite

sides diagonal portions extending across the median line of the strip and through the peripheral portions of convolutions of the strip, to thereby prevent the accumulating of a core within the strip when the latter is revolved in a mixing chamber containing materials to be mixed.

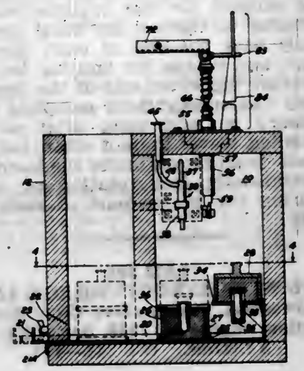
2,571,301
DISPLAY STAND
Bertram Slanhoff, New York, N. Y., assignor to Corro-Lith Corporation, Long Island City, N. Y., a corporation of New York
Application September 30, 1948, Serial No. 52,109
2 Claims. (Cl. 211—137)



1. A display stand comprising an outer framework having a front and sides, the rear edge portions of the sides being turned over inward, the sides being higher along said edges, an inner framework within the outer framework having a front and sides spaced from the front and sides respectively of the outer framework, the inner framework having out-turned side flanges at the rear secured to the flat faces of the turned-in edge portions of the outer framework, said side flanges of the inner framework having laterally extending flaps which are at the top and bottom and are affixed to each other across the outside of the outer framework at the rear thereof, the sides of the inner framework extending towards the front of the outer framework and having cut out flaps in the plane of the front of the inner framework which make contact with both sides of the outer framework, the sides of the inner framework also having supporting edges and substantially upright edges and members bent to make contact with said supporting edges and said upright edges and provide shelves mounted upon the inner framework, the shelves having hinged flaps at their ends engaging the sides of the outer framework.

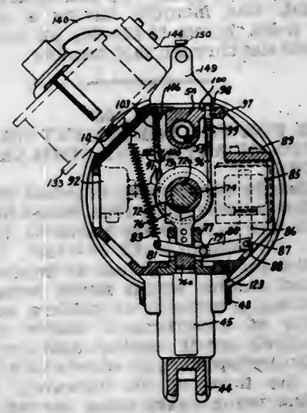
2,571,302
SAMPLER FOR HIGHLY RADIOACTIVE SUBSTANCES
Waverly Q. Smith, Charleston, W. Va., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application June 3, 1949, Serial No. 96,949
12 Claims. (Cl. 250—108)

1. In apparatus of the character described, in combination, means forming a radiation shielding container, means within the container and operable from exteriorly thereof for withdrawing a sample of radioactive solution from a supply thereof, a transportable shielded receptacle in the container for receiving the sample of solution, said container having a second compart-



ment communicating with the main compartment through an opening at the lower part of the compartments and means comprising a sliding panel on which the transportable receptacle rests and operable from outside of the container whereby the transportable receptacle may be moved into the second compartment.

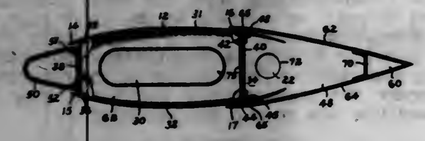
2,571,303
DRIVE RELEASE AND BRAKE FOR STITCHING MACHINES
William R. Spiller and Leo D. Barley, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Original application May 31, 1943, Serial No. 489,116, now Patent No. 2,398,053, dated April 9, 1946. Divided and this application May 4, 1945, Serial No. 591,897
7 Claims. (Cl. 192—144)



1. In a stitching machine of the character described the combination of a casing adapted to receive therein a stitching mechanism operable through a cycle of movement, a drive shaft for said mechanism rotatable through one revolu-

tion to produce a said cycle of movement, an eccentric friction drum rotatable with said drive shaft, a friction band frictionally engaging the periphery of said drum for checking rotation thereof toward the end of each revolution as the raised portion of said drum moves under said band, means for supporting one end of said band in a predetermined adjusted position, a yieldable support for the opposite end of said band tending to tighten the band against said drum only near the end of each revolution of said shaft, and means for limiting the travel of said yieldably supported end of the band to provide rapid and substantially complete release of the pressure on said band after a predetermined limited travel thereof when the low portion of said drum moves under the band to maintain substantially free rotation of said drive shaft during the major part of each cycle of movement.
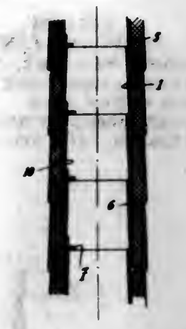
2,571,304
SLOTTED WING STRUCTURE FOR AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application August 21, 1946, Serial No. 692,033
8 Claims. (Cl. 244—40)



1. In an aircraft, in combination to form a slotted wing structure of high strength capable of resisting shear forces economically, an outer wall on one side of said wing, an inner wall on the same side of said wing spaced inward from said outer wall, said walls overlapping to form a slot establishing communication between the wing surface and the wing interior for conducting air chordwise, and a spar structure extending from one side of said wing structure toward the other and including a vertical spanwise member forming a part thereof and fixed to said inner wall and to said outer wall and extending across said slot, said member having a plurality of spaced holes therein to provide for passage of air from said slot through said member.

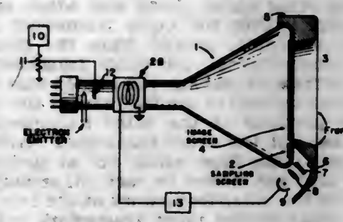
2,571,305
DEVICE FOR THE TREATMENT OR IMPREGNATION OF RAYON AND SIMILAR TEXTILE FIBERS
Baldewijn Steverlynck, Courtrai, Belgium
Application March 10, 1948, Serial No. 14,048
In the Netherlands March 11, 1947
1 Claim. (Cl. 68—198)

A device for the treatment or impregnation of rayon and similar textile fibres, comprising, in combination, a plurality of holders, each holder consisting of a perforated elastic element of comparatively small conicity, said element having freely overlapping side edges and a lower edge having the form of an outwardly extending flange, the rayon cakes being carried upon the outer surfaces of said elements and being in contact with each other, said elements being mounted directly one upon the other, and extending one above the other, whereby the radial elasticity of said elements is retained during impregnation and whereby said elements are maintained in continuous contact with the cakes carried thereby, projecting stops carried by an inner wall of each of said elements, and engaging the upper edges of the underlying element to maintain uniform pressure upon all the cakes, said stops extending



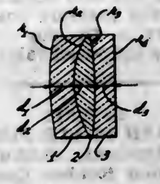
inwardly from the inner walls, the upper edge of each element being smaller than the inner diameter of the cake carried thereby, the elements being mounted upon each other in telescoping relationship.

2,571,306
CATHODE-RAY TUBE FOCUSING SYSTEM
Constantin S. Szegho, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application January 31, 1947, Serial No. 725,459
5 Claims. (Cl. 315—10)



1. Focus controlling apparatus for a cathode ray device which has gun means adapted to project and to focus a cathode ray stream of electrons comprising focus sampling fluorescent means having an area, the gun means being adapted to project and to focus the cathode ray on the fluorescent means and thereby to impart energy thereto, the fluorescent means being adapted to emit light when it receives energy fram the ray and to saturate when that energy exceeds a certain amount per subdivisional unit of the area, the gun means being adapted to impart to the fluorescent means by the ray at least enough energy per unit area to cause it to saturate, light-sensitive means arranged to receive light emissions from the sampling fluorescent means and adapted to convert variations in the intensity of received light emissions into electrical current variations, focus correcting means associated with the light-sensitive means and the gun means and adapted to control the focus of the cathode ray in a predetermined manner in response to the electrical current variations.

2,571,307
INFRARED OBJECTIVE LENS
Philip H. Taylor, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 3, 1950, Serial No. 171,788
2 Claims. (Cl. 88—57)



1. An infrared objective comprising three coaxially cemented components which numbering from front to rear is first a negative meniscus concave to the rear, the second is positive with convex surfaces, and the third is a negative meniscus concave to the front, said objective having the following prescription:

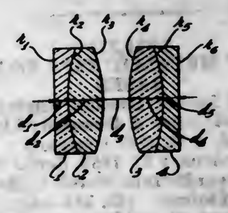
Prescription	Glass	$N_{.5\ \text{microns}}$	$N_{.8\ \text{microns}}$	$N_{1.0\ \text{microns}}$	$V_{.5\ \text{microns},\ 1.0\ \text{microns}}$
r_1= 17.8158 d_1= .4000	DF-2	1.62005	1.60936	1.60408	38.16
r_2= 9.3897 d_2= .6000	BSC-2	1.51623	1.51070	1.50745	58.17
r_3= −27.9330 d_3= .4000	DF-3				
r_4= −133.7435					

Where
r is the radius length for an element surface;
d is the axial thickness of an element;
$N_{.5\ \text{microns}}$ is the index of refraction for a wavelength of light equal to .5 micron;
$N_{.8\ \text{microns}}$ is the index of refraction for a wavelength of light equal to .8 micron;
$N_{1.0\ \text{microns}}$ is the index of refraction for a wavelength of light equal to 1.0 micron;

$$V_{.5\ \text{microns},\ 1.0\ \text{microns}}=\frac{N_{.5\ \text{microns}}-1}{N_{.5\ \text{microns}}-N_{.8\ \text{microns}}}$$

DF-3 is a dense flint glass;
BSC-2 is a borosilicate glass.

2,571,308
PARALLELING LENS SYSTEM
Philip H. Taylor, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application July 3, 1950, Serial No. 171,790
1 Claim. (Cl. 88—57)



A paralleling lens comprising two spaced identical doublet components, each consisting of a negative plano-concave lens and an equi-convex positive lens cemented together, the said doublets being coaxially assembled with their convex surfaces facing to form a lens system wherein the front and back surfaces are flat, all of the curves of said lens components having the same radius constructed in accordance with the following prescription:

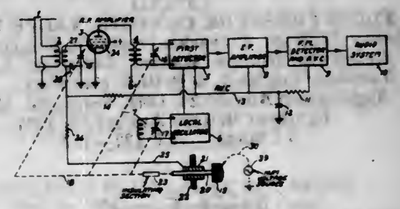
Prescription	Glass	N_D	V
r_1=is ∞ (flat) d_1=.091±.010	DF-3	1.6210±.0015	36.2±.3
r_2=.868±.005 d_2=.296±.010	BSC-2	1.5170±.0010	64.5±.4
r_3=.868±.005 d_3=.009±.002			
r_4=.868±.005 d_4=.296±.010	BSC-2	1.5170±.0010	64.5±.4
r_5=.868±.005 d_5=.091±.010	DF-3	1.6210±.0015	36.2±.3
r_6=is ∞ (flat)			

Where
r is the radius length for an element surface;
d is the axial thickness of an element;
N_F is the index of refraction for the F line of hydrogen (4861 Å);
N_D is the index of refraction for the D line of sodium (5893 Å);
N_C is the index of refraction for the C line of hydrogen (6563 Å);

$$V=\frac{N_D-1}{N_F-N_C};$$

DF-3 is a dense flint glass;
BSC-2 is a borosilicate crown glass;
f' is the focal length;
l' is the back focal length;

2,571,309
TUNING AID FOR FREQUENCY-MODULATION RECEIVERS
Joseph C. Tellier, Penn Wynne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1946, Serial No. 650,347
8 Claims. (Cl. 250—20)



2. In an electrical system adapted for use in the vicinity of electric power circuits and within the ambient electric fields which inherently surround said power circuits, a control manual adapted to be contacted by the hand of an operator and manipulated during adjustment thereof, at least a portion of said control manual being electrically conductive, a vacuum tube circuit, the operation of said electrical system being subject to the control influence of both said vacuum tube circuit and said control manual, means electrically isolating the conductive portion of said control manual from points of fixed potential in said system, means effectively isolating said conductive portion electrically from points of alternating potential in said system, and means effective at audio frequencies for electrically coupling said conductive portion to said vacuum tube circuit to

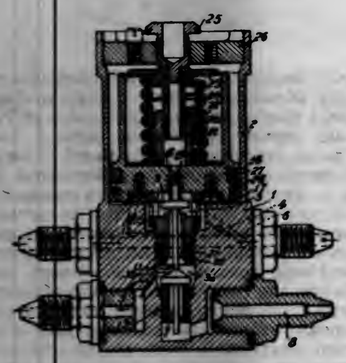
impress on said circuit alternating voltages applied to said control manual during manipulation thereof.

2,571,310
CAN OPENER
Walter A. Thiem, Kankakee, Ill.
Application May 3, 1949, Serial No. 91,119
9 Claims. (Cl. 30—10)



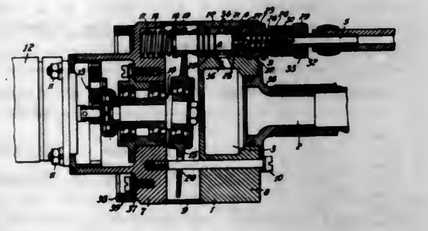
1. A can opener comprising a pair of members pivotally connected to each other adjacent one end, one of said members having a can top piercing portion adjacent said end thereof, and the other of said members having a can supporting portion, said members normally occupying a position angularly arranged relative to each other and movable from such normal position to approach a straight line relationship during which movement said piercing portion will move through the top of a can having its lower end mounted on said supporting portion, the other end of one of said members being mounted for movement toward and away from the other end of the other member in a plane substantially coincident therewith, and means for pivotally supporting said other end of said other member.

2,571,311
FLUID PRESSURE CONTROL VALVE UNIT
Henry William Trevaskis, Solihull, England, assignor to Dunlop Rubber Company Limited, London, England, a British company
Application August 24, 1948, Serial No. 45,915
In Great Britain August 22, 1947
5 Claims. (Cl. 137—153)



1. A fluid pressure control valve unit comprising a housing having a fluid pressure chamber adapted to be connected to a source of fluid pressure and an operating chamber adapted to be connected to a fluid pressure operated mechanism, co-axial inlet and outlet valves having a common valve stem, a movable seating element for the inlet valve said seating having an opening therethrough connecting the said pressure chamber to the said operating chamber, and a spring controlled plunger in the said pressure chamber adapted to move the said seating element when the pressure in the pressure chamber exceeds a predetermined value thereby closing the inlet valve and opening the outlet valve.

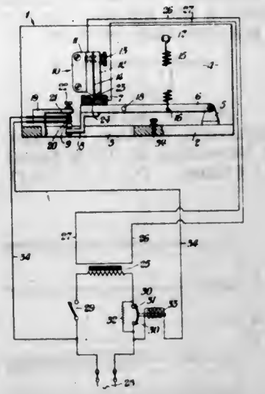
2,571,312
SWASH PLATE PUMP
Henry William Trevaskis, Solihull, England, assignor to Dunlop Rubber Company Limited, county of London, England, a British company
Application September 21, 1948, Serial No. 50,259
In Great Britain September 30, 1947
3 Claims. (Cl. 103—37)



1. A swash plate pump comprising a plurality of pump cylinders arranged with their centers on a common pitch circle and with their axes substantially parallel, each cylinder having an individual outlet, a spring loaded check valve for said outlet, plungers one for each said cylinder, each said cylinder having an inlet orifice positioned within the limits of the stroke of the delivery end of its respective plunger to be alternately opened and closed by the reciprocation of said plunger, said cylinders being individually adjustable in an axial direction relative to the stroke of the plunger, a non-rotatable driving member engaging said plungers, a swash plate engaging said driving member and rotatable relatively thereto to oscillate said driving member and withdraw said respective plungers in a direction away from said outlet, and springs, one for each said plunger, to move said plungers in a forward stroke toward said outlet.

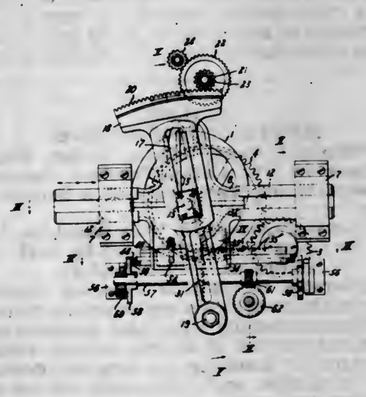
2,571,313
WELDING OF METALLIC TIPS TO METALLIC BASES
Norman Albert Tucker, London, England, assignor to Johnson, Matthey & Company Limited, London, England, a British company
Application February 27, 1950, Serial No. 146,576
In Great Britain March 1, 1949
7 Claims. (Cl. 219—4)

5. In a method of welding a metallic tip element to a metallic base element in which said elements are constantly positively urged into pressure contact with one another and in which an electric welding current is passed through said contacting elements to cause melting of metal of at least one of them, the step of automatically inserting into said welding circuit, upon and as a result of movement of one of said elements a predetermined distance towards the other, a resistance of a value sufficient to reduce said welding current to a strength adequate only to delay



freezing or solidification of the molten metal, continuing the passage of said reduced strength current during a further predetermined amount of relative movement of said elements and finally cutting off said current.

2,571,314
VARIABLE STROKE SLURCOCK
Jaroslav Václavík, Zlin, Czechoslovakia, assignor to Bata, narodni podnik, Zlin, Czechoslovakia
Application May 7, 1948, Serial No. 25,606
In Czechoslovakia May 8, 1947
10 Claims. (Cl. 66—110)

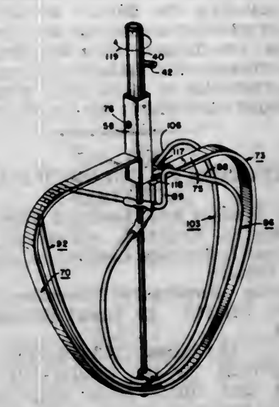


2. In an apparatus for securing two paths of different lengths for the slurcocks and driving heads of the thread guides on a Cotton knitting machine, in which the angular extent of swivel of the operating lever is varied by means of a block slidable in a guide slot in the said lever, the provision of a reciprocating slide carrying a transmission device for controlling the shifting motion of the block in the guide slot of the operating lever.

2,571,315
MODIFIED LARD AND PROCESS OF PRODUCING SAME
Robert J. Vander Wal, Chicago, and Leon A. Van Akkeren, Oak Park, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 10, 1949, Serial No. 132,414
12 Claims. (Cl. 99—118)

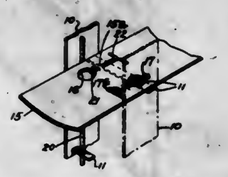
1. In a process for treating lard, the steps of heating the lard in liquid phase and in the presence of a metal alcoholate at temperatures about 50°–150° C.

2,571,316
BEATER FOR FOOD MIXERS
Walter Van Guilder, River Forest, Ill., assignor to General Mills, Inc., a corporation of Delaware
Application March 23, 1949, Serial No. 82,944
24 Claims. (Cl. 259—132)



1. A beater assembly comprising a shaft to be rotated, a first beater element fixed on the shaft for rotation therewith, a second beater element rotatably mounted with respect to the shaft, and a stop on a rotating part of the beater assembly in the path of the second beater element for driving the latter with the shaft during the mixing operation, the second beater element being relatively rotatable on the shaft from said operating position to and beyond a position in alignment with the first beater element.

2,571,317
VENETIAN BLIND SLAT RETAINER
Brooks Walker, Piedmont, Calif.
Application November 6, 1948, Serial No. 58,765
6 Claims. (Cl. 160—178)



1. In a Venetian blind having ladder tapes, cross rungs and slats, said slats having openings therethrough, a pin movably secured to the slat and positioned as to pass over the said opening, a portion of the cross rung passing up through the slat opening and held in the opening by the pin.

2,571,318
FABRICATED SPLINED SHAFT
Archibald A. Warner, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 7, 1944, Serial No. 543,945
2 Claims. (Cl. 64—1)

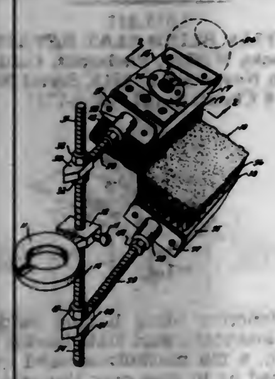


1. A splined power-transmitting shaft comprising an elongated metallic tube of cylindrical cross section; a plurality of metallic strips extending longitudinally of said tube; flanges extending laterally from the longitudinal edges of said strips; the inner surfaces of said strips and flanges conforming with the exterior surface of said tube; and bonding means, in the form of metallic solder between said exterior surface of said tube and the strips including the flanges integral therewith, integrally uniting said strips and their flanges to said tube; the flanges being disposed in abutting relation to each other to laterally space said strips circumferentially of said tube, whereby splines are provided throughout the lengths of said strips.

2,571,319
PRODUCTION OF COLORED FILAMENTS AND FIBERS
Edmund Waters and Leonard Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 25, 1949, Serial No. 129,509. In Great Britain December 3, 1948
12 Claims. (Cl. 18—54)

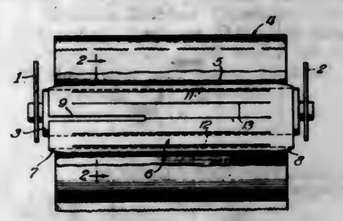
1. A process for the production of coloured filaments and fibers from polyethylene terephthalate which comprises dissolving organic colouring matter in polyethylene terephthalate and thereafter spinning the polyethylene terephthalate, said organic colouring matter being stable at the spinning temperature.

2,571,320
MACHINE BELT CLEANER AND LUBRICATOR
William C. Waters, Sr., Columbus, Ga.
Application June 17, 1949, Serial No. 99,731
2 Claims. (Cl. 91—39)



1. A leather belt preserving device comprising a supporting element for attachment to a fixed support adjacent to a belt to be lubricated, a screw post carried by said supporting element, a fountain brush adjustably mounted on said post for applying a belt lubricant on one side of the belt, a second brush adjustably mounted on said post confronting said fountain brush and engageable therewith in lubricant absorbing relation for applying the lubricant on the other side of the belt engaged therebetween.

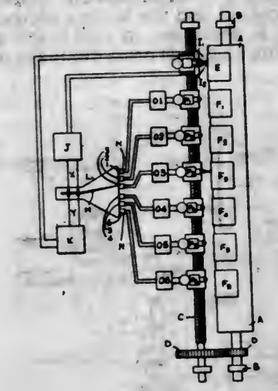
2,571,321
AUXILIARY CORE
Eberhard E. Wettley, Chicago, Ill.
Application November 29, 1945, Serial No. 631,719
8 Claims. (Cl. 242—55.2)



1. An auxiliary core for a dispensable paper sheet roll having a soft core, comprising a rigid hollow member adapted for insertion into the soft core of said sheet roll, said rigid member comprising rotational means to support said sheet roll for free rotation therewith and upon a roll paper dispenser, said member having a predetermined surface contour with all of the high points of said surface terminating at and coinciding with a common hypothetical cylindrical surface, and wherein the diameter of such hypothetical cylindrical surface common to the aforesaid high points is equal to the normal internal diameter of the soft core of said sheet roll whereby said soft core and the paper thereon are rounded out into true circular shape, and means at the ends of said rigid hollow member to permit limited compression of said member at its ends to facilitate insertion into the soft core of said sheet roll.

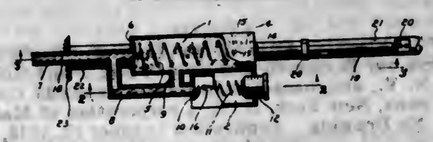
2,571,322
MULTICOLOR PRINTING
Neil William Yelland, Whaley Bridge, England, assignor to The Calico Printers' Association Limited, Manchester, England, a British company
Application February 12, 1948, Serial No. 7,765
In Great Britain February 24, 1947
15 Claims. (Cl. 178—5.4)

1. Apparatus for making separate records of component colours in the reproduction of designs or pictures containing areas each coloured in one of a limited number of distinct colours, comprising means for scanning the original design by means of a light spot, photocells for receiving light from the original and yielding an output determined by the colour being scanned, a cathode ray tube having two sets of deflecting electrodes, each receiving the output of one of the photocells, whereby when any individual colour is being scanned the cathode ray is deflected to a position characteristic of that colour, a set of detectors corresponding in number to the distinct colours of the design, associated with the cathode ray tube at positions characteristic of the colours and each adapted to be activated by the cathode ray when the corresponding colour is being scanned and a set of recording devices corresponding in number to the colours to be printed, each con-



trolled by one or more detectors so as to be operated when the corresponding detectors are activated.

2,571,323
TOW BAR BRAKE CONTROL
Herbert G. Yoder, Bellefontaine, Ohio
Application August 2, 1946, Serial No. 687,833
10 Claims. (Cl. 188—112)



1. A trailer brake control device for attachment between a trailer and a power vehicle comprising, a slidable hitch and a brake fluid system; said brake fluid system comprising a master brake cylinder, means for interconnecting the trailer wheel brakes and the master brake cylinder, a piston in said master brake cylinder and a spring normally urging said piston toward inoperative position, a rod abutting said piston and extending out the end of the master brake cylinder, a reservoir having a connection with said master cylinder immediately ahead of the inoperative position of said piston, said slidable hitch including a pair of telescopically connected members, one of which is adapted for connection with the trailer and the other of which is adapted for connection with the power vehicle; said master brake cylinder being mounted on one of said members and there being means on the other member for actuating said rod to move said piston when said members are moved toward each other; spring means urging said members apart with a thrust sufficient to permit backing of said trailer on a level smooth surface without movement of said members toward each other; and means responsive to a predetermined pressure on the fluid in said system greater than that required for setting the brakes of the trailer for connecting the brake side of the said piston with the reservoir and thereby by-passing the brake fluid from said master brake cylinder to the reservoir.

2,571,324
GRINDING METHOD AND APPARATUS
Robert L. Young, Indianapolis, Ind., assignor, by mesne assignments, to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 26, 1947, Serial No. 793,971
3 Claims. (Cl. 51—103)



1. In or for a combination comprising: (*a*) three spaced apart elements which in working position are arranged to make firm supporting and axis-locating contact with (*b*) a hollow work-holding cylinder of predetermined outer diameter and (*c*) a rotary metal-finishing tool located within and spaced from the cylinder eccentrically of its axis; the improvement consisting of forming the cylinder "*b*" as a single piece of elastic material having a narrow slot extending obliquely for its full length and additional oblique slots each intersecting one end only of the cylinder, whereby a tubular work piece of approximately the same external diameter as the interior of the cylinder can be easily but firmly mounted in the cylinder and accurately finished internally by the finishing tool concentrically of the external surface of the work piece and then easily removed from the cylinder.

2,571,325
N-(β-HYDROXYETHYL)-3,4,5-TRIHYDROXYBENZOIC ACID AMIDE
Margaret Rose Zentner, Newark, N. J., and Gerhard Julius Haas, New York, N. Y., assignors to Hoffmann-La Roche Inc., Roche Park, Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 31, 1950, Serial No. 141,582
1 Claim. (Cl. 260—559)

N-(β-hydroxyethyl)-3,4,5-trihydroxybenzoic acid amide.

2,571,326
AQUEOUS SOLUTIONS OF RIBOFLAVIN
Margaret Rose Zentner, Newark, N. J., assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 31, 1950, Serial No. 141,583
2 Claims. (Cl. 167—81)

1. An aqueous solution containing riboflavin in a concentration higher than 0.013% and N-(β-hydroxyethyl)-gallic acid amide as a riboflavin solubilizer.

2,571,327
FAUCET
Francisco Fernández Agudo, Madrid, Spain
Application November 12, 1947, Serial No. 785,349
1 Claim. (Cl. 251—8)

In a fluid control faucet, the combination of a faucet body comprising a metal pipe section having at one end and extending at right angles thereto a depending externally threaded nozzle portion provided internally with a valve seat, and a mouthpiece comprising a cylindrical shell internally threaded at an inlet end thereof and

thereby threadedly engaged with said nozzle portion of said faucet body, a valve member extending along the entire axis of the shell and having a top surface near said inlet end adapted to be disposed in cooperative relation to said valve seat by rotation of said mouthpiece on said faucet body for regulating the flow of fluid from said faucet body, said valve member having a tip portion projecting from said top surface thereof toward said valve seat for holding a washer on said top surface and said valve member being supported within said shell by a plurality of thin radial partitions extending between said valve member and said shell and longitudinally of said



shell to define a plurality of fluid flow passages longitudinally of said mouthpiece, said partitions having their lower edges beveled, gripping wings on the outer surface of said shell for turning the mouthpiece relative to the nozzle portion, the exit end portion of said shell being tapered inwardly in the downward direction to form a fluid exit having a diameter smaller than the diameter of said nozzle portion, the diameter of said valve member being less than said diameter of said exit, and said shell, valve member, partitions, tip portion and gripping wings all being formed as a unitary integral mouthpiece of plastic material.

2,571,328

METHOD OF CLEANING METAL ARTICLES OF ADHERENT RUBBER AND THE LIKE

John C. Baker, East Cleveland, Ohio, assignor, by mesne assignments, to The Ohio Rubber Company, Willoughby, Ohio, a corporation of Delaware

No Drawing. Application December 22, 1947, Serial No. 793,326
16 Claims. (Cl. 51—282)

1. The method of cleaning metal articles of adherent rubber and related carbonaceous deposits which comprises rendering such adherent rubber and deposits crumbly by subjecting the same to the action of a fluorinating agent, and thereafter mechanically abrading such deteriorated rubber and deposits to remove them from the metal surface.

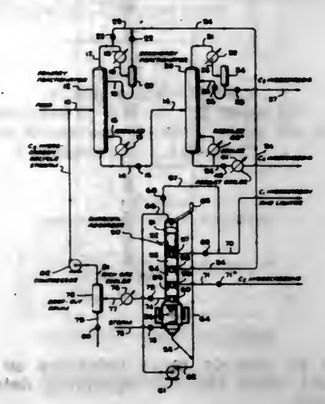
2,571,329

ADSORPTION PROCESS

Clyde H. O. Berg, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application December 18, 1946, Serial No. 716,046
17 Claims. (Cl. 62—122)

1. A process for separating a normally gaseous mixture containing components of differing critical temperatures which comprises combining said gaseous mixture with a recycle stream consisting essentially of components having intermediate critical temperatures to form an enriched feed, introducing said enriched feed into a fractionation zone, separating from said enriched feed in said fractionation zone an overhead distillate containing components of lower critical temperature and a portion of the recycled components of intermediate critical temperature and a distillation bottoms containing components of higher critical temperature and the remaining portion of the recycled components of intermediate critical temperature whereby the condensation temperature of reflux is increased and the boiling temperature of the bottoms is decreased in said fractionation zone, introducing said overhead distillate into an



adsorption zone, contacting therein said overhead distillate with a moving bed of granular solid absorbent, separating therein a fraction of said overhead distillate containing components of said gaseous mixture having intermediate critical temperatures, and employing at least a portion thereof as said recycle stream.

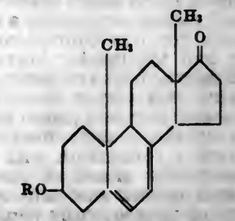
2,571,330

$\Delta^{5,7}$-ANDROSTADIENONOLONES AND PROCESS

Seymour Bernstein and Karl J. Sax, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 27, 1949, Serial No. 123,974
10 Claims. (Cl. 260—397.4)

1. A compound of the group consisting of those having the formula:



in which R is a member of the group consisting of hydrogen, lower alkyl carbonyl and benzoyl radicals.

2,571,331

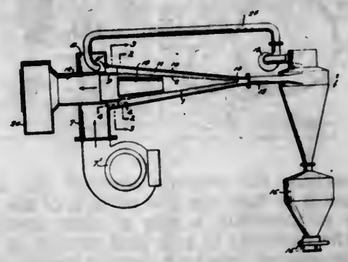
APPARATUS FOR SEPARATING SOLID PARTICLES FROM GASES

Torsten Blomén, Stockholm, Sweden, assignor to Aktiebolaget Linderoths Patenter, Stockholm, Sweden

Application September 11, 1948, Serial No. 48,914
In Sweden December 12, 1946
14 Claims. (Cl. 183—113)

1. In a a separator for separating solid particles suspended in a particle laden gas current, the combination of a housing having a gas inlet and two continuously open gas outlets, an elongated substantially rigid filter duct having a

louvered wall in form of a generated surface, said duct being mounted within said housing, the louvered openings in the filter duct wall being in form of slots, the axes of said slots forming acute angles with the generant of the filter duct wall, said duct decreasing in cross-section from one end toward the other, the inner housing wall and the outer duct wall being shaped and positioned to define an annular channel decreasing in cross-sectional area toward the narrow duct end, the wide duct end communicating with one of said outlets, the other outlet being positioned adjacent to the narrow duct end, said gas inlet being



disposed adjacent to the wide duct end at the outside thereof and in communication with said channel, and guide means within the housing positioned and arranged to impart to a particle laden gas current admitted through said gas inlet a flow direction spirally progressing through said channel and toward the narrow end of the duct, the major portion of a gas current passing through the louvered duct wall and being continuously discharged from the outlet connected with the wide duct end, the minor current portion carrying substantially all the particles continuing along the outer duct wall and being continuously discharged through the other outlet.

2,571,332

THIOPHENETHIOL-PHOSPHORUS HALIDE REACTION PRODUCTS IN LUBRICATING COMPOSITIONS

John W. Brooks, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application December 30, 1947, Serial No. 794,797
7 Claims. (Cl. 252—46.7)

1. A mineral lubricating oil containing a small proportion, sufficient to stabilize said oil against oxidation of a reaction product obtained by reacting from about 1 mol to about 3 mols of a thiophenethiol with 1 mol of a phosphorus halide, at temperatures of from about 15° C. to about 150° C.

2,571,333

THIOPHENETHIOLS-PHOSPHORUS HALIDE REACTION PRODUCTS

John W. Brooks, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Original application December 30, 1947, Serial No. 794,797. Divided and this application January 6, 1949, Serial No. 69,599
7 Claims. (Cl. 260—332.3)

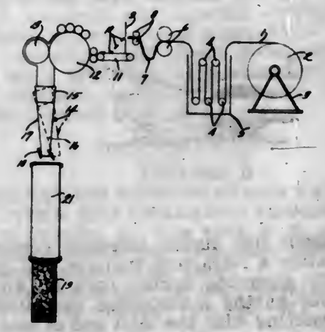
1. As a new composition of matter, a reaction product obtained from the reaction involving from about one to about three mols of thiophenethiol with about one mol of a phosphorus halide, the reaction temperature being maintained from about 15° C. to about 150° C.

2,571,334

METHOD OF MAKING RESILIENT BATTS

William H. Browne, Columbus, Ohio, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application August 30, 1946, Serial No. 694,137
4 Claims. (Cl. 154—101)



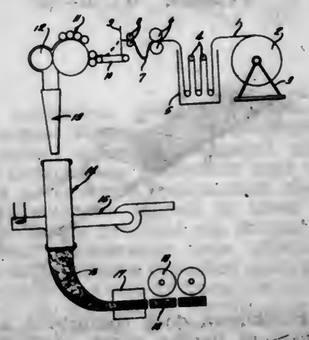
1. In a method of making a resilient batt, the steps of rotating an open topped mold, delivering strands of material uniformly in one side of the rotating mold to progressively build up a batt of desired thickness, and applying a bonding agent to the delivered strands at the opposite side of the mold during the building up of the batt.

2,571,335

MACHINE FOR MAKING RESILIENT BATTS

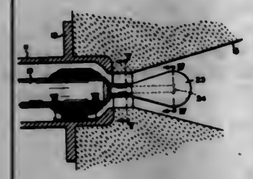
William H. Browne, Columbus, Ohio, assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application October 24, 1946, Serial No. 705,277
13 Claims. (Cl. 154—29)



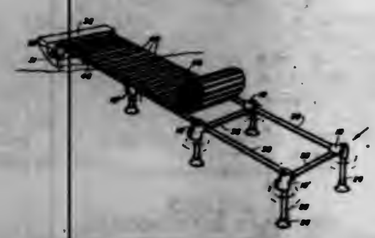
1. In a machine for making resilient batts, a conveyor for feeding stranded material, means for carding said material to separate the strands, an upright chute to receive the strands from said carding means and through which the strands may gravitate, movable means to receive the strands from said chute, atomizing means to spray a bonding agent on the strands as they are delivered to said moving means, and heating means to set the bonding agent, said atomizing means being directed upon the delivered strands to in effect continuously add to the rear end of the batt and with sufficient pressure to compact them to the desired batt density.

2,571,236
GASEOUS FUEL BURNER FOR FURNACE WALLS
Robert E. Buckholdt, Salem, Ohio, assignor to The Salem Engineering Company, Salem, Ohio, a proprietorship
Application October 2, 1946, Serial No. 700,763
2 Claims. (Cl. 158—7)



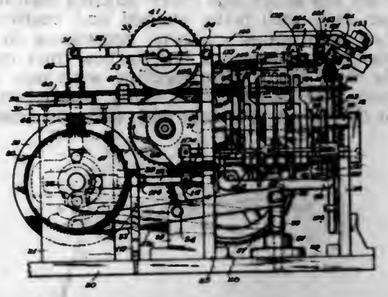
1. A gaseous fuel burner assembly comprising in combination a refractory furnace wall having an inwardly diverging burner port, an air conducting tube having a restricted end discharge orifice registering with the inlet end of said port, a fuel injecting tube positioned concentrically with said first mentioned tube and having an inwardly tapering end portion and a closed inner extremity positioned substantially in said orifice, a plurality of circumferentially spaced apertures in the tapered portion of said gas injecting tube, a bulbous member of incandescing material positioned in the forepart of said inwardly diverging burner port and having a conical section spaced radially inward from but substantially parallel with a portion of the wall of said port, and means projecting inwardly from said closed extremity of said gas injecting tube to support said bulbous member.

2,571,237
BOAT DOCK AND THE LIKE
James H. Burnham, Rochester, N. Y.
Application January 28, 1948, Serial No. 4,752
6 Claims. (Cl. 61—48)



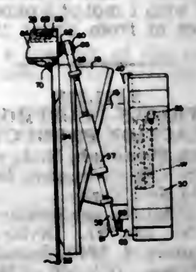
1. A knockdown dock comprising a supporting framework having upper longitudinal sides made up of pipe lengths, a decking comprising a plurality of spaced parallel flooring strips, and a plurality of links, each of which is rigidly fastened to a flooring strip between its ends and each of which has its ends projecting laterally beyond opposite sides of the flooring strip, pins for pivotally connecting the adjacent ends of adjacent links to each other for hinging movement about axes parallel to the flooring strips, a plurality of hooks which are adapted to be engaged under the pipe lengths between adjacent parallel flooring strips, and a hold-down plate secured to each hook and engaging over the upper faces of two adjacent flooring strips.

2,571,238
AUTOMATIC WIRE STRIPPER
Carmen T. Calabrese, Chicago, Ill.
Application May 18, 1948, Serial No. 27,648
7 Claims. (Cl. 81—9.51)



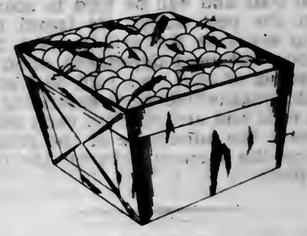
1. A machine for treating covered wire comprising means to feed one end portion of the wire forwardly at intervals, a pair of units operative between the intervals to grip said portion at longitudinally-spaced locations, second means operative concurrently with said units to sever the wire at a point between the units and only the covering at points laterally of the wire severing point, dividing said end portion into leading and remaining sections, and third means separating said units and the sections gripped thereby to expose bare wires at the contiguous ends of the sections, said feeding means comprising a pair of peripherally grouped rollers, said end portion passing between the rollers and being frictionally engaged thereby, a fixed bearing for one roller, a main shaft, a gearing from the latter to drive the roller in the fixed bearing with a stop motion, a carrier for the other roller and movable relative to the roller in the fixed bearing, a cam on the main shaft, and a follower extended from the carrier and moved by the cam to retract the carrier from the roller in the fixed bearing when said third means operate, affording a backing clearance for the remaining wire section.

2,571,339
DRESSER MOUNTING
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application January 28, 1949, Serial No. 73,356
6 Claims. (Cl. 125—11)



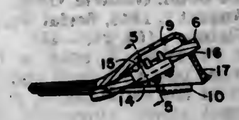
1. In a machine for grinding gears in a generating operation, the combination with a cradle, a housing in which the cradle is oscillatably mounted, a carrier angularly adjustable on the cradle about an axis offset from the axis of the cradle, and a grinding wheel journaled rotatably in said carrier, of a support rotatably mounted on said carrier, a bar pivotally connected at one end to said support and pivotally connected at its opposite end to the housing, and wheel dressing mechanism mounted on said support.

2,571,340
PACKAGING
Clarence M. Carson, Silver Lake, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application April 8, 1949, Serial No. 86,169
1 Claim. (Cl. 99—171)



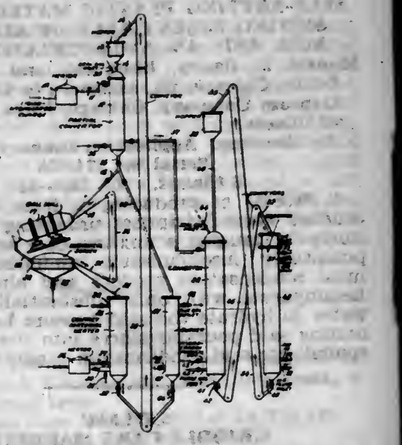
A package of Bing cherries sufficiently fresh to evolve carbon dioxide in appreciable volume, the package comprising an open box containing substantially a quart of the cherries enclosed in a wrapper formed with a central transparent panel and opaque panels on each side of the transparent panel, the transparent panel being of sufficient width to render at least a large part of the cherries on the top of the box visible therethrough, and being composed of rubber hydrochloride film which transmits carbon dioxide at such a low rate that if the wrapper were composed entirely of said film the package would not lose carbon dioxide as fast as it is evolved by the cherries, the opaque material of the wrapper being composed of semi-glassine coated with copolymer of 1,3-butadiene and styrene of such composition and thickness that the coated sheet transmits carbon dioxide at such a rate that if the box were entirely enclosed in the coated sheet the package would give off carbon dioxide as rapidly as it is evolved by the cherries, the portion of the wrapper composed of the opaque material being such that the wrapper transmits carbon dioxide less slowly than it is evolved by the cherries.

2,571,341
CABLE ANCHOR FOR WINDING DRUMS
Richard N. Cordrey and Dallas E. Wright, Toledo, Ohio, assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1950, Serial No. 161,828
4 Claims. (Cl. 242—117)



1. A cable anchoring means for winding drums having end flanges, comprising in combination with the cable and the drum to receive the same, a cable clamp secured to the cable near one end thereof to tightly grip the same, an enlarged open ended bulbous recess within one end flange extending outwardly beyond the end face of said drum and tangent to the outer surface of said drum to receive said cable and cable clamp, the termination of said open end lying in the same axial plane as the outer surface of said drum, a cable guide formed integral with said end flange having said recess therein starting at the intersection of the cable opening and the outer surface of the drum and tapering outwardly from said flange to the width of said cable at one complete revolution and there terminating, said guide being uniformly of a height equal to the cable diameter, being thus adapted to receive thereon a second layer of cable.

2,571,342
COMBINATION HYDROCARBON VAPORIZATION AND CRACKING PROCESS
John A. Crowley, Jr., New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 18, 1947, Serial No. 729,249
14 Claims. (Cl. 196—49)



1. In a continuous cyclic hydrocarbon conversion process wherein a finely divided adsorbent contact material is passed cyclically through a hydrocarbon conversion zone wherein it contacts a vaporized hydrocarbon charge to effect the conversion thereof to lower boiling gasoline containing products and through a contact material regeneration zone wherein carbonaceous contaminants deposited upon the contact material during said hydrocarbon conversion are burned, the method for conditioning a high boiling liquid fraction to provide therefrom a suitable vaporized hydrocarbon charge for said conversion zone which comprises: maintaining a substantially compact column of downwardly moving heat absorptive material in a confined partial conversion zone, passing said high boiling liquid fraction into contact with said column to effect its conversion to a lower boiling vaporized hydrocarbon fraction suitable for charging to said conversion zone, said conversion resulting in the deposition of a carbonaceous deposit upon said heat absorptive material, passing said vaporized fraction to said conversion zone as the hydrocarbon charge thereto, substantially continuously withdrawing used heat absorptive material bearing carbonaceous deposit from the

lower section of said partial conversion zone and supplying heated heat absorptive material into the upper section of said partial conversion zone at a rate controlled to supply the heat required for the conversion of said liquid fraction to said vaporized fraction, physically effecting the removal of carbonaceous deposit from said used heat absorptive material, separating the contact material from the removed carbonaceous material and passing it through a separate heating zone, passing a suitable heating gas into contact with said heat absorbing material in said heating zone to cause said material to absorb a substantial amount of heat, returning the heated heat absorptive material to said partial conversion zone as the supply thereto, said heat absorptive material being capsules containing a fusible substance capable of releasing latent heat at a temperature level below that at which excessive conversion of said liquid hydrocarbon fraction to gas and coke would occur and above that at which said vaporized hydrocarbon fraction formed in said partial conversion zone will condense.

2,571,343

SELF-SETTING PLASTIC MATERIAL CONSISTING ESSENTIALLY OF ALPHA-GYPSUM AND AN AMINOTRIAZINE RESIN

Manvel C. Dailey, Elmhurst, and Edward W. Duffy, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application January 25, 1945, Serial No. 574,636
6 Claims. (Cl. 260—39)

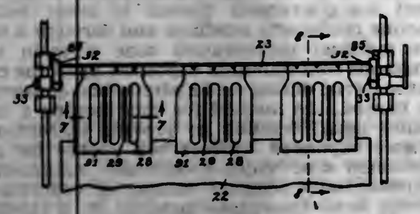
1. Process of producing a dense, tough cast product which comprises producing a pourable slurry by gauging a mixture of a water-soluble potentially insolubilizable aminotriazine-aldehyde condensation product and alpha gypsum hemihydrate with only substantially sufficient water to hydrate the said gypsum hemihydrate, casting said pourable slurry into shape, and insolubilising said condensation product.

2,571,344

GRIDDLE CAKE MACHINE

Charles E. Dashwood, Los Angeles, Calif., assignor to C. E. Deelin

Application May 6, 1947, Serial No. 746,186
1 Claim. (Cl. 99—423)



In a griddle cake making machine, a griddle, a pair of guide rails extending along each side of said griddle, a slide on each rail, a peel support connecting said slides and arranged to move to and fro above said griddle, said peel support being rockably mounted to permit the support to swing in an arcuate pathway, a peel plate adjustably secured to said peel support and being pivoted thereto intermediate its side edges at one end there, said peel plate being formed of flexible metal and with a sharpened edge opposite the point of pivotal connection, screw and slot connections between the peel support and peel plate on opposite sides of the pivotal connection and adjacent the side edges of the peel plate to permit the same to be adjusted to a predetermined position on its pivotal connection and locked and held in said position by said screw and slot connections, a series of rods on the upper face of said peel plate extending longitudinally of said peel in spaced apart locations with their ends angularly bent and received in elongated openings in said peel to permit the peel to flex independently of said rods, whereby a griddle cake being removed from the griddle will slide along said rods and will be held in spaced relation from the peel during its travel upwardly thereon to separate the griddle cake from the peel various distances dependent upon the degree of flexing of said peel, said peel being provided with longitudinal slots extending parallel with said rods and arranged on each side thereof to prevent the adherence of the griddle cake and destroy the vacuum between the cake and the peel plate.

2,571,345

RUBBER DERIVATIVES

James D. D'Ianni, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application November 19, 1946, Serial No. 710,954
8 Claims. (Cl. 260—768)

1. As a new composition of matter, the product obtained by reacting 100 parts of rubber with 20–50 parts of urea at a temperature between about 15° C. and 125° C. and in the presence of a condensation catalyst for rubber.

2,571,346

CHLORINATED POLYISOPRENE

James D. D'Ianni, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application December 9, 1947, Serial No. 790,721
7 Claims. (Cl. 260—94.7)

1. The process of chlorinating synthetic polyisoprene at atmospheric pressure comprising treating a solution of the polyisoprene with chlorine in the presence of 1 to 5% of an agent from the group consisting of iodine, acetyl chloride, and anhydrous aluminum chloride until a product containing 59.84 to 65.18% chlorine and having a viscosity at 25° C. in 20% toluene solution of below 100 centipoises is obtained.

2,571,347

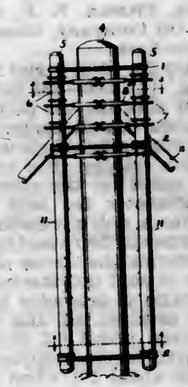
WIRE STRETCHER

R. Lee Dodd, Guthrie, Okla.

Application August 1, 1946, Serial No. 687,596
5 Claims. (Cl. 256—43)

1. In a wire stretcher, a post, a horizontal frame affixed to the post with each end extending beyond the post in the same plane, at least two vertically disposed shafts supported in spaced parallel relationship adjacent the ends of the frame on the same side of the post, at least one drum surrounding each of said shafts and rotatable thereon, a ratchet wheel carried by each of said drums, said ratchet wheel cooperating with a suitable tool which engages the teeth

thereof for rotating said drum and winding wire thereon, and means carried by said post and engaging said ratchet wheels for preventing retrograde movement of the drums.



2,571,348

COUPLING GASKET

Charles M. Drinkwater, Jr., Lake Bluff, Ill., assignor to Drinkwater, Inc., Waukegan, Ill., a corporation of Illinois

Application September 23, 1948, Serial No. 50,863
14 Claims. (Cl. 285—194)



8. In a pipe coupling comprising a pair of cooperating arcuate members, a semi-circular resilient gasket member fitted within each of said arcuate coupling members, sealing flanges disposed along each outer side edge of said gasket members, each of said sealing flanges being arranged to overlap a side face portion of the arcuate member with which it is associated, and mounting prongs projecting from said sealing flanges for properly locating and removably securing said gasket members within said arcuate coupling members.

2,571,349

TRAILER HITCH LOCK

Noble Eckles, Glendale, Calif., assignor of one-half to Robert B. Eckles, San Francisco, Calif.

Application October 17, 1949, Serial No. 121,820
4 Claims. (Cl. 280—33.17)



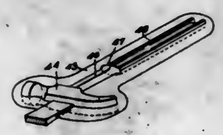
2. A device for closing the socket of a trailer hitch member comprising, a support having thereon a plug of a size snugly to fit within the socket of the trailer hitch member, and an aperture at one end thereof, a strap pivotally hung on said support at the other end thereof, said strap having a perforation at the outer free end thereof, the strap being movable over the trailer hitch member to cause the end thereof to pass through the aperture of the support, and means engaging the perforation of the strap to lock the parts in position about the socket of the trailer hitch member.

2,571,350

METHOD OF FORMING HAND-OPERATED STRIKING TOOLS

Ernest O. Estwing, Rockford, Ill., assignor to Estwing Manufacturing Company, Incorporated, Rockford, Ill., a corporation of Illinois

Application November 16, 1950, Serial No. 195,988
6 Claims. (Cl. 76—103)



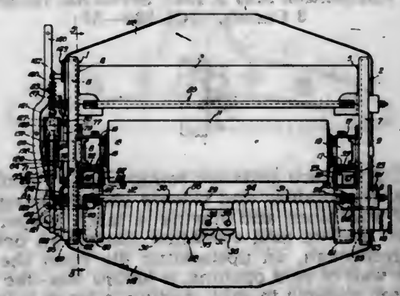
1. The method of rough forming a striking tool, comprising forging one end of a heated billet into a workable form having an enlarged circular head and a tongue extending therefrom, roll forming said tongue by a series of passes into an elongated small cross sectional area stem, forging said enlarged circular head and said elongated stem into a tool form having lateral extensions from said stem for the head of the tool, forging said tool form into a specific tool shape having the excess metal flow as flashing from said tool form and removing said flashing from said tool shape.

2,571,351

WRINGER

Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa, a corporation of Iowa

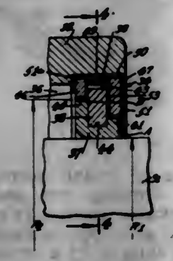
Application June 19, 1947, Serial No. 755,775
3 Claims. (Cl. 68—263)



1. In a wringer, a frame, a movable roll, slidable supports in said frame for supporting said roll, a shaft removably supported by said frame in parallel relation with said roll, coil springs wound upon said shaft and having tails engaging said supports, an arm secured to one end of said shaft, a pivot stud upon one end of said frame, toggle mechanism connecting said pivot stud and arm, said toggle mechanism having a latching notch, a rockable arm having a locking pin in engagement with said notch for main-

taining said toggle mechanism in operative position, release mechanism having a connection with said rockable arm for withdrawing said locking pin and a reset mechanism comprising a lever pivoted to said pivot stud, and having means for engaging said toggle mechanism for operating the same to tension applying position and means for operating said lever.

2,571,352
SHAFT SEAL
Gustave Fast, Salisbury, Md.; Frederick W. C. Webb, administrator of said Gustave Fast, deceased, assignor to Christiane Ganna Fast
Application March 29, 1945, Serial No. 585,412
4 Claims. (Cl. 286—5)



4. In a shaft seal adapted for sealing liquid within a housing against escape along a rotating shaft protruding therefrom, an impeller ring surrounding said shaft and serving to press a flexible material in contact therewith, said impeller ring being provided with a scalloped internal surface in contact with said flexible material which acts as a series of driving keys to press said flexible member in contact with said rotating shaft for rotation therewith.

2,571,353
CLOSURE FASTENER
John Feisch, Irvington, N. J., assignor to Volupte, Inc., Elizabeth, N. J.
Application May 5, 1947, Serial No. 745,901
3 Claims. (Cl. 220—55)



1. A closure fastener comprising in combination, a container and closure therefor hinged to said container and having a latch keeper, the front wall of said container having an opening therethrough, an upstanding lug from the bottom wall of said opening, a hollow box-like push button slidable in said opening, a latch bolt carried by said pushbutton on the inside of said container, a spring enclosed within said push button and having a part contacting the front wall of said push button and another part abutting against said lug whereby to urge the pushbutton outwardly and the latch bolt in engagement with the keeper on the closure, and ears integral with the pushbutton and extendible through said opening in the front wall and bendable to contact the inner surface of the front wall of the container and thus to limit its outer movement.

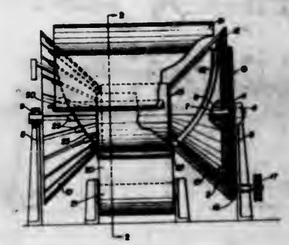
2,571,354
POLYMERIZATION OF MONOALKYLETHYLENES
Celeste M. Fontana, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 22, 1949, Serial No. 72,138
10 Claims. (Cl. 260—683.15)

1. The process for effecting the polymerization of monoalkylethylenes, which comprises simultaneously passing a monoalkylethylene, a solution of aluminum bromide catalyst in a solvent having no deleterious effect on the polymerization reaction, and a promoter for said aluminum bromide catalyst into a polymerization reaction zone to form a polymerization reaction mixture, at rates such that, during the course of the polymerization reaction in said polymerization reaction zone, the mol ratio of promoter to dissolved aluminum bromide catalyst will fall within the range varying between about 0.2 and about 5, when the monoalkylethylene is propylene, and between about 0.05 and about 1.6, when the monoalkylethylene contains more than three carbon atoms per molecule, and the rate of passage of the monoalkylethylene into said polymerization reaction zone will be not greater than about 2 mols per mol of dissolved aluminum bromide catalyst per minute, when the monoalkylethylene is propylene, and not greater than about 4 mols per mol of dissolved aluminum bromide catalyst per minute, when the monoalkylethylene contains more than three carbon atoms per molecule; maintaining said polymerization reaction zone at a temperature falling within the range varying between about —80° C. and about 0° C., when the monoalkylethylene is propylene, and between about —45° C. and about —10° C., when the monoalkylethylene contains more than three carbon atoms per molecule; discontinuing the passage of said solution of aluminum bromide catalyst and of said promoter into said polymerization reaction mixture; passing additional amounts of said monoalkylethylene into said polymerization reaction mixture at a rate not greater than about 2 mols per minute per mol of aluminum bromide catalyst present in said polymerization reaction mixture, when the monoalkylethylene is propylene, and not greater than about 4 mols per minute per mol of aluminum bromide catalyst present in said polymerization reaction mixture, when the monoalkylethylene contains more than three carbon atoms per molecule; and maintaining said polymerization reaction mixture at a temperature falling within the range varying between about —80° C. and about 0° C., when the monoalkylethylene is propylene, and between about —45° C. and about —10° C., when the monoalkylethylene contains more than three carbon atoms per molecule.

2,571,355
METHOD AND APPARATUS FOR SIMULTANEOUS TWO-WAY STRETCHING OF FILM
Charles E. Gardner, Hollis, N. Y., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application July 7, 1948, Serial No. 37,453
6 Claims. (Cl. 18—19)

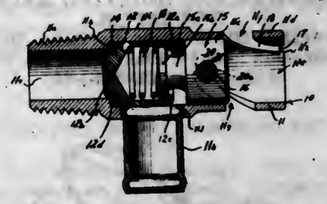
1. The process of stretching thermostretchable film material which comprises heating the film and gripping it in closely spaced positions along its edges and then stretching it simultaneously in two directions substantially perpendicular to one another by separating the gripping means longitudinally and laterally, simultaneously.

6. Apparatus for stretching film simultaneously in substantially perpendicular directions which comprises film-heating means, closely spaced individual gripping means adapted to grip opposite edges of the film and means for simultaneously



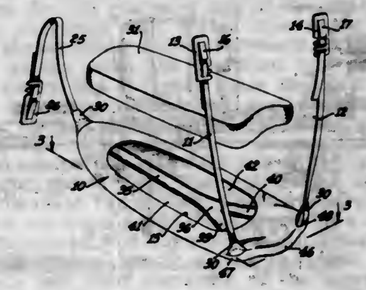
moving the individual gripping means on each side of the film laterally outwardly and longitudinally for stretching the film simultaneously in substantially perpendicular directions.

2,571,356
VALVE
Richard L. Gates, Dayton, Ohio, assignor to Curtis Automotive Devices, Inc., Dayton, Ohio, a corporation of Ohio
Application December 28, 1946, Serial No. 718,947
1 Claim. (Cl. 137—34)



A valve comprising a hollow open-ended plug housing having an externally threaded end portion, an opposite end portion provided with opposed arcuate radially extending bayonet slots having locking recesses at the closed inner ends thereof, and a drain outlet intermediate said ends, the slotted end portion of the housing having a counterbore bottoming at a valve seat intermediate the threaded end of the drain outlet, a hollow tubular valve member slidably mounted in the counterbore of the housing and having a closed end adjacent the valve seat of the housing and an open end defined by an inturned shoulder, a resilient seal ring carried around said closed end for cooperation with the valve seat, a follower having a body portion slidable in the counterbore of the housing, a neck freely projecting into said valve member and a head slidable and rotatable in said valve member for engagement with the inturned shoulder of the valve member, operating means carried by the body of the follower and projecting radially through the bayonet slots in the slotted end portion of the housing, and spring means enclosed within the hollow valve member and seated against the closed end of said valve member for cooperation with the head of the follower to move the seal ring against the valve seat in the housing for sealingly separating the opening in the threaded end of the housing from the drain outlet to close the valve, said follower being further actuated toward said valve seat after closing of the valve and movement of said operating means into said locking recesses to tension said spring means, thus urging the valve member against said seat and urging said operating means into said locking recesses.

2,571,357
SANITARY PAD HOLDER
Charles Gemora, Los Angeles, Calif.
Application December 4, 1950, Serial No. 199,698
7 Claims. (Cl. 128—286)



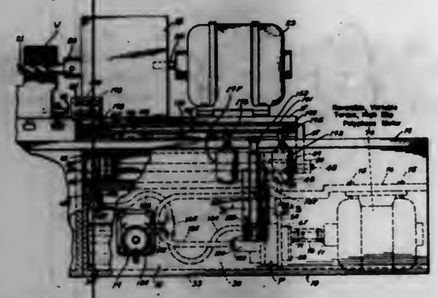
1. A catamenial appliance comprising a flexible waterproof pouch adapted to receive a pad of absorbent material and having an open top, the pouch having a groove extending longitudinally along the bottom of the pouch from the rear end forwardly and forking intermediate the ends of the pouch to provide divergent grooves leading to the front end of the pouch, and straps secured to the pouch and extending from the ends of the grooves whereby when the pouch is tensioned longitudinally the pouch is tensioned most in the vicinity of the grooves thereby to force the pad to assume a folded shape.

2,571,358
COAT HANGER
Anatol Guttman, New York, N. Y.
Application April 28, 1950, Serial No. 158,736
3 Claims. (Cl. 223—96)



1. A garment hanger comprising a hollow body having a raised hollow neck portion and hollow supporting arm portions extending from opposite ends of said neck portion, said neck portion being provided with an opening in one side thereof for the insertion of moth balls and with a plurality of perforations located along the periphery of said neck portion for permitting escape of fumes from said moth balls, and a closure member normally closing said opening and supported by said raised hollow neck portion, said closure member being dimensioned so as to constrict the inner width of said hollow neck portion and to thereby provide two compartments each extending from said constriction to the outer end of a respective hollow arm portion, said closure member being adapted to prevent passage of moth balls past said neck portion from one into the other compartment.

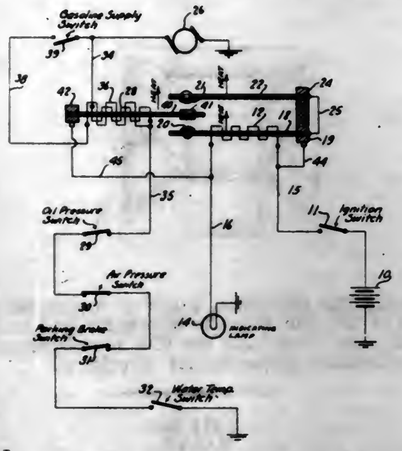
2,571,359
FLUID ACTUATING SYSTEM AND APPARATUS
Thomas L. Hallenbeck, Toledo, Ohio, assignor to Baker Bros. Inc., Toledo, Ohio, a corporation of Ohio
Application October 13, 1945, Serial No. 622,213
5 Claims. (Cl. 60—52)



1. In combination, an hydraulic actuator for propelling machine elements and the like which includes a cylinder and piston reciprocable therein; a rotary pumping means; a variable-torque reversible motor for driving and controlling the direction of rotation of the pumping means to selectively deliver fluid under pressure to the ends of the actuator to drive the piston in different directions; the rate of speed of the motor and the volume of fluid delivered by the pumping means to the cylinder at one side of the piston being dependent upon the degree of fluid resistance existing in the cylinder at the other side of the piston; a fluid supply for the pumping means; an adjustable metering device intercalated in a fluid circuit between the pumping means and the actuator for regulating the rate of movement of said actuator; and means supplementing said metering device for increasing fluid flow in the circuit to increase the rate of movement of the actuator.

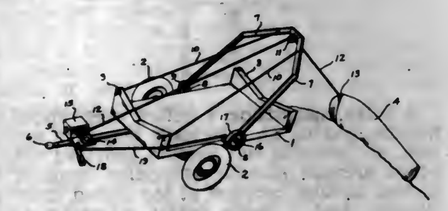
2,571,360
ELECTRICAL MONITORING SYSTEM
Theodore W. Hallerberg, Chicago, Ill.
Application February 6, 1950, Serial No. 142,612
5 Claims. (Cl. 177—311)

1. An electrical system for indicating a variety of conditions which comprises a circuit including a source of power, a resistance heating coil and an indicator element, a second circuit connected to a power source including a second heating coil and a condition sensitive device, a third resistance heating coil in parallel with the second coil in said second circuit, a second condition sensitive device in series only with the third resistance coil, a thermally deformable metal member associated with the first coil so as to be heated thereby, a second thermally deformable metal member associated with the second and the third coils so as to be heated by either or both of said coils and deflected in the same general direction upon heating as said first member, connections including contacts on each of said thermally deformable member for short circuiting the first coil by closing the contacts when only the circuit including the first coil is closed, and a third contact electrically connected to the first thermally deformable member to short circuit the first coil upon closing with the contact on the second thermally deformable member when the



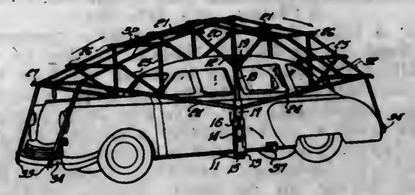
circuits including the second and third coils are both closed.

2,571,361
BOAT TRAILER AND HOISTING MECHANISM THEREFOR
Ernest C. Harmanson, Portland, Oreg.
Application May 18, 1948, Serial No. 27,727
6 Claims. (Cl. 214—65)



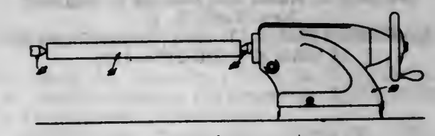
1. A boat trailer having a body with transversely disposed, spaced, forwardly and rearwardly arranged boat chocks at the ends of said body, respectively, a boat hoisting mechanism including an arched frame, pivotally mounted at one end upon spaced trunnions arranged intermediate said boat chocks upon a transverse pivot axis, and a winch for swinging said frame about said axis, a line guide carried by the upper or free end of said arched frame, a towing line reeved therethrough and operatively engaged at one end to said winch and having a boat engaging element at the other end, said arched frame being proportioned and arranged to direct said line guide along an arcuate path extending from a point lying forwardly of the forward boat chock to a point arranged rearwardly of the rearward boat chock, and flexible means for limiting the rearward movement of said arched frame and permitting the unrestricted movement of said arched frame forwardly therefrom, whereby a boat can be picked up by pulling in said tow line when the arched frame is arranged at its rearward position, slid over the rearward boat chock, and when said arched frame is swung through its arcuate path, by continued pull on said tow line to locate said boat centrally upon both chocks.

2,571,362
FOLDABLE CANOPY FRAME
Eugene Hervey, Dallas, Tex.
Application September 28, 1946, Serial No. 700,041
6 Claims. (Cl. 135—4)



2. A collapsible canopy frame including a pair of main frame supporting members, each having an extensible end and midsection, a mounting element to which the extensible ends of each of said main frame supporting members are pivotally attached, a pair of sub-frame members pivoted to each of said main frame supporting members, arms pivoted to each of said sub-frame members, cross-members connecting the ends of the sub-frame members and arms on one side of said canopy frame to companion sub-frame members and arms on the opposite side thereof to support a fabric roof, means on selected members of said frame for sustaining fabric sides of said roof, means for maintaining extended relationship of said frame members and arms and means for supporting said canopy frame in collapsed position.

2,571,363
MOUNTING FOR WORK CENTERS AND THE LIKE
William G. Heelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio
Application June 3, 1948, Serial No. 30,905
1 Claim. (Cl. 82—33)



A resilient support structure for the rotatable work center of a tailstock adapted to rotatably support a longitudinal work piece under normal axial thrust and to yield axially to accommodate thermal expansion of the work piece, said rotatable work center having a shoulder near its forward end and having a shank extending rearwardly therefrom, said resilient support structure comprising, an internally cylindrical sleeve carried by the tailstock having its axis aligned with the axis of rotation of the work piece and having an end wall, a ball bearing assembly mounted within said sleeve, the ball bearing assembly having outer and inner races, said inner races being adapted to receive the shank of the work center and to engage the shoulder thereof, whereby the inner races collectively are adapted to support the work center rotatably and to transmit the axial thrust of the work center to the outer races, the outer races being slidably confined within the internally cylindrical sleeve to allow axial displacement of the ball bearing assembly by the work center relative to said sleeve, a spacer sleeve slidably mounted within the internally cylindrical sleeve behind the rearward outer race of the ball bearing assembly, the spacer sleeve having its forward end engaged against the rearward outer race and providing a thrust element for the ball bearing assembly, the spacer sleeve having an inside diameter adapted to provide an annular clearance area for the shank and having a length dimension adapted to provide axial clearance for the rearward end of the shank, a circular abutment plate seated against the end wall of the internally cylindrical sleeve and being spaced axially from the rearward end of the spacer sleeve, the abutment plate having a forwardly extending central face and a depressed annular margin of substantial width, and a flat resilient disk of substantially uniform thickness engaged against the rearward end of the spacer sleeve and seated upon the central face of the abutment plate, the resilient disk being larger in diameter than said central face to provide a margin overhanging said depressed annular margin, the spacer sleeve having a wall thickness substantially less than the width of the depressed annular margin and being concentric with said central face, whereby the axial thrust of the work center is imposed by the spacer sleeve upon the overhanging margin of the resilient disk, said overhanging margin of the resilient disk being adapted to support the work center firmly against normal axial thrust and to flex to accommodate thermal expansion of the work piece.

2,571,364
SPRING STUD FASTENER
Thomas W. Hosking, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 16, 1948, Serial No. 2,702
2 Claims. (Cl. 24—73)

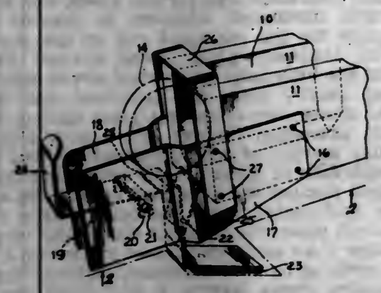


1. A spring fastener having a base, a pair of projections extending from said base in angular relation to the plane thereof, said projections being disposed in adjacent relation in the same plane and constructed and arranged to abut throughout their entire lengths, and holding elements integrally joined to the ends of said projections opposite said base, said elements extending toward said base in a generally reverse direction to that of said projections.

2,571,365
PUCK DELIVERING DEVICE
Edward H. Hughes, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application April 4, 1950, Serial No. 153,842
4 Claims. (Cl. 273—126)

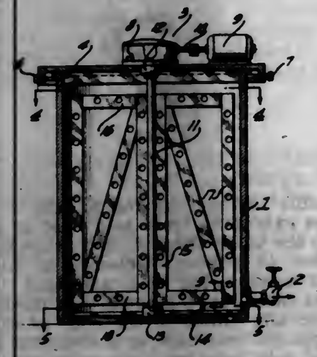
1. For a combination comprising a return trough having a delivery end, a receiving pocket at said delivery end and adapted to receive a game piece from said trough, said receiving pocket comprising side walls extending coex-

tensively with respect to the side walls of the trough, a platform arranged between the side walls of the receiving pocket, means for pivotally connecting said platform to said side walls, said platform normally being disposed in alignment with the bottom of the trough, a counterweight provided at the opposite or inner end of the



platform beneath said trough to engage the bottom thereof to limit pivotal movement of the platform under the weight of a game piece received in the pocket from the trough, and a stop on the platform adjacent said weight and pivotal with said platform when the latter is pivoted under the weight of said game piece to block the exit of the trough.

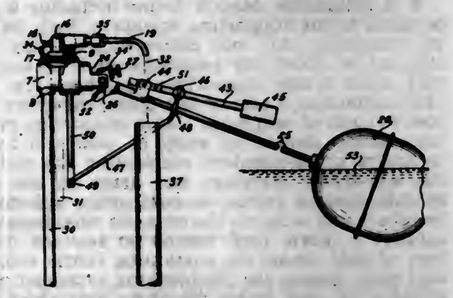
2,571,366
PORTABLE MIXING UNIT FOR CHEMICALS AND THE LIKE
Fredrick L. Jennings, Long Beach, Calif.
Application October 4, 1949, Serial No. 119,469
2 Claims. (Cl. 259—108)



1. A portable mixing unit adapted to be mounted on a drum, comprising a channel, said channel having notches cut therein to fit on to the top of the drum, a set screw extending through the channel and bearing against the drum, a motor mounted on the channel, a gear box mounted on the channel, a drive shaft extending from the motor into the gear box, a mixing shaft depending from the gear box and extending into the drum, mixing blades extending radially from the mixing shaft, a bottom bearing resting on the bottom of the drum, and fixed radial arms extending from the bottom bearing to center said bearing in the drum.

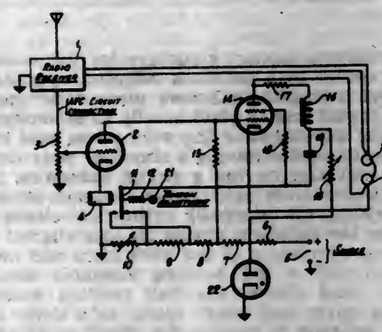
2,571,367
TOILET FLUSH VALVE
Julius S. Judell, Shorewood, Wis., assignor to Milwaukee Flush Valve Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 23, 1948, Serial No. 34,633
4 Claims. (Cl. 137—104)

1. A toilet flush valve assemblage comprising, a fixed casing having therein a valve for controlling the delivery of liquid to the flush tank, a float adapted to ride upon the rising liquid in the tank to close said valve and being swingably connected to said casing by a single rigid lever, an auxiliary lever pivotally suspended from said float lever to swing downwardly toward the latter and having an abutment thereon constantly biased downwardly toward but movable upwardly



away from the float lever, and an element having one end pivotally attached to said casing and an opposite end slidable along said float lever beneath said auxiliary lever and cooperable with said abutment to momentarily arrest the valve closing motion of the float lever and to subsequently effect final closing of the valve with a snap action by moving the abutment upwardly away from said float lever.

2,571,368
AIRCRAFT RADIO RANGE SYSTEM
Leonard R. Kahn and Donald S. Sanford, New York, N. Y.
Application March 11, 1949, Serial No. 80,892
16 Claims. (Cl. 343—101)



1. In an aircraft radio range system, the combination of an oscillator supplemental to the radio receiver circuit and operable to deliver an output in the audio range, a direct current amplifier for varying the frequency of the oscillator throughout an uninterrupted frequency band as a function of the variable intensity of a

signal as received by said radio receiver, means connected to the automatic gain control circuit of said receiver for varying the anode potential in said amplifier, and means for enabling a listener to hear simultaneously the audio output from said receiver and the pitch of the tonal output from said oscillator.

2,571,369
BAIL EAR FOR CONTAINERS
John W. King and James J. McNamee, Cleveland, Ohio, assignors to Miles Park Machine & Tool, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 1, 1948, Serial No. 30,454
1 Claim. (Cl. 220—91)



A container having a vertical cylindrical side wall, diametrically related cup-shaped members formed of resilient sheet metal and each having a peripheral flange secured to the outer surface of the side wall, the bottom of wall of each member being embossed inwardly and of concavo-convex shape, said bottom wall being formed with an opening shaped to provide two inwardly extending horizontally alined wings having vertical free edges which are in opposed spaced relation, and a bail having terminating end portions each disposed at right angles to the contiguous portion of said bail and projecting between and rotatably supported by the adjacent wings, each end portion being round in cross section and of uniform diameter from end to end and having a diameter greater than the spacing between the free edges of the adjacent wings, whereby the latter grip the adjacent bail end portion and prevent outward movement thereof.

2,571,370
PREPARATION OF 2,2'-DITHIENYL DISULFIDE
Emil Koft, Jr., Woodbury Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 23, 1950, Serial No. 151,535
7 Claims. (Cl. 260—329)

1. A process for preparing 2,2'-dithienyl disulfide, which comprises the addition of sulfur monochloride to thiophene in the absence of a catalyst, said thiophene being maintained in excess during the course of reaction and present in such amount that the overall molar ratio of thiophene to sulfur monochloride is greater than 2.

2,571,371
PREPARATION OF 2,2'-DITHIENYL SULFIDE
Emil Koft, Jr., Woodbury Heights, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application March 23, 1950, Serial No. 151,536
6 Claims. (Cl. 260—329)

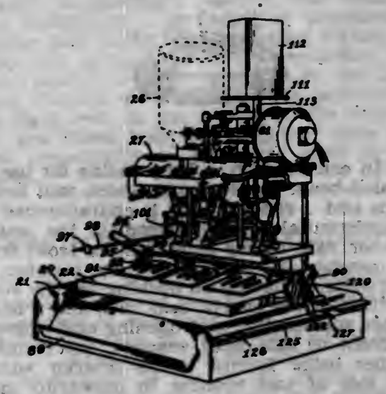
6. A process for preparing 2,2'-dithienyl sulfide which comprises distilling 2,2'-dithienyl disulfide at a temperature between about 140° C. and about 200° C.

2,571,372
PLASTIC VENETIAN BLIND TAPE
Thomas Martin, Riverside, Calif., assignor, by mesne assignments, to Hunter-Douglas Corporation, Riverside, Calif., a corporation of Delaware
Application March 1, 1948, Serial No. 12,446
7 Claims. (Cl. 160—178)



1. A tape for a Venetian blind ladder comprising a strip of flaccid material having transversely-extending spaced stubs extending from one side thereof to which a cross bar is adapted to be attached.

2,571,373
GRIDDLECAKE MACHINE
Aubrey W. Massecar, Huntington Park, Calif., assignor, by mesne assignments, to C. E. Doolin
Application October 21, 1946, Serial No. 704,788
14 Claims. (Cl. 99—423)

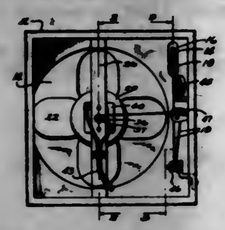


14. In a machine for baking griddlecakes, the combination of a griddle, a group of peels, an electric motor, a circuit for the motor, means operable by the motor to reciprocate the group of peels across the griddle to remove the group of cakes therefrom when the cakes have baked on one side, means operable by the motor to invert the peels to turn the cakes on the griddle, said means to invert the peels also operable by the motor to actuate the group of peels and remove the cakes from the griddle when the cakes have baked on the other side, means for stopping the movement of the peels in a position above the griddle, and a circuit breaker connected to automatically break the circuit of the motor when the group of peels is in a position above the griddle.

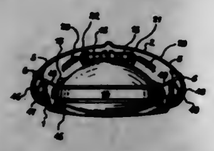
2,571,374
VENTILATING FAN
Adalbert I. Mayr, Milwaukee, Wis., assignor to Theresa Mayr, Kiel, Wis., as trustee
Application June 21, 1948, Serial No. 34,189
8 Claims. (Cl. 230—114)

1. A ventilating fan assembly comprising an electric motor mounted for coaxial rotation with

its rotor, a fan on said rotor, a reel fixed to said motor, a fan shutter, and a pull chain windable on said reel and connected to said shutter whereby when said motor is energized the torsional reaction thereof will wind the chain on said reel and open said shutter.

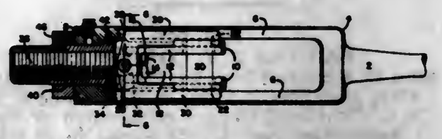


2,571,375
VEHICLE LAMP HELD IN POSITION BY RESILIENT CLAMPS
David M. Morgenstern, Cleveland, Ohio
Application February 9, 1948, Serial No. 7,116
3 Claims. (Cl. 240—41.5)



1. In combination, a lamp casing for use with a sealed-beam lighting unit, which unit includes a lens and a reflector and is characterized by a circumferential bead intermediate the lens and reflector, said casing comprising a front frame-like member and a rear shell-like member, said front member having an opening for the accommodation of the lens of said unit, and a bearing surface surrounding said opening and wherewith the front of said bead engages, the frame-like member being formed on its interior adjacent each side of said opening in outwardly spaced relation to said bearing surface with a rearwardly facing ledge that is relatively broad in a circumferential direction and is narrow in a radial direction with reference to said opening, a boss extending rearwardly from the frame-like member between each ledge and the aforesaid bearing surface, said boss having a threaded bore that opens through its rear end and stops short of the front surface of said frame-like member, two clamps, one for cooperation with each ledge, each clamp comprising a piece of sheet metal of a width approximating the breadth of a ledge and formed at its outer end to provide a forwardly and outwardly inclined strut for engagement with the corresponding ledge and adjacent its inner end to engage the rear side of the circumferential bead of the lighting unit and to overlie the contiguous portion of said reflector, the clamp having an aperture intermediate its ends, a screw extended through said aperture and threaded into the bore of said boss, the screw having a head between which and the aforesaid ledge and last mentioned parts of the lighting unit the clamp is compressed, the clamp being supported exclusively by said screw, said ledge and said parts of the lighting unit, and means detachably securing the members of the lamp casing together.

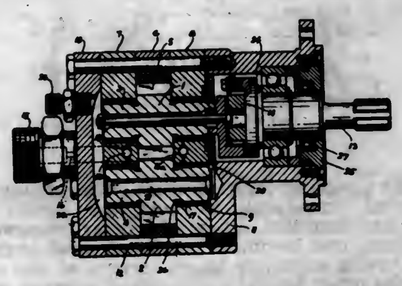
2,571,376
SLACK ADJUSTER
Maurice D. O'Hern, Hammond, Ind., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 22, 1946, Serial No. 711,620
4 Claims. (Cl. 74—522)



1. In a brake slack adjuster, a frame including spaced arms, brake lever fulcrum means comprising a pair of members bilaterally symmetrical with respect to each other and arranged to form a fulcrum block between said arms, each member including a side portion disposed along the adjacent arm and a transverse portion, the transverse portions of respective members being aligned laterally of said frame and being formed with complementary recesses at adjacent ends defining a socket, the axis of which extends longitudinally of said block, adjusting means for said fulcrum means operatively associated with the frame and including a screw extending into said socket, spaced retainer elements disposed at opposite edges of said arms and each comprising spaced legs overlapping the respective arms and extending into oppositely arranged grooves in the side portions of said members for interlocking said members with said arms, each retainer including a crosspiece interconnecting the legs thereof and extending across said transverse portions, said transverse portions being recessed at adjacent ends to provide coaxial openings communicating with said socket and extending transversely thereof, a bolt extending through each crosspiece, said screw and said openings and connecting said retainers, members and screw, a pin extending transversely between said arms and having ends received within complementary openings in said side portions, and a lever pivoted on said pin between said side portions, said lever serving to maintain said side portions in spaced relationship and said pin maintaining said members in assembled relationship with the transverse portions thereof in alignment laterally of said arms, said members being spaced from said arms when said transverse portions abut each other and being movable transversely of said arms without disconnecting from said bolt or pin to accommodate levers of several thicknesses between said side portions.

2,571,377
ROTARY DISPLACEMENT PUMP
George Olah, Ealing, England, assignor to Precision Developments Company Limited, London, England, a British company
Application May 14, 1948, Serial No. 27,049
In Great Britain May 15, 1947
3 Claims. (Cl. 103—126)

1. A gear pump, including a shaft, a pump housing, at least one pumping gear mounted on said shaft for common rotation therewith in said pump housing, the shaft being journalled by bearings in said housing on each side of said gears, passages in the pump housing for supplying pumping liquid having delivery pressure to the bearings at each side of said pumping gear at points spaced from the inner end of each said bearing with the delivery point intermediate the ends of the bearing to thereby provide bearing lubrication by pumping liquid movement in opposite directions from such delivery point of the bearing, the liquid traversing the inner end zone of the bearing having its flow path including an annular gap formation of groove type exposed



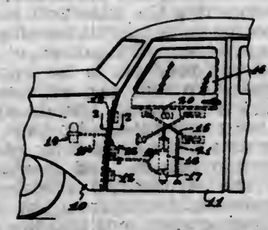
to the inner end of the bearing and to an adjacent side face of the gear for producing a zonal pressure differential between the two sides of the pumping gear in response to axial displacement of the latter from a normal position in the pump housing, and means for draining liquid escaping from the outer end of the bearing.

2,571,378
LEVEL INDICATOR
Charles W. Parisi, Waywood, Ill., assignor to Jules T. Parisi, Chicago, Ill., doing business as Pekay Machine Company
Application March 22, 1946, Serial No. 656,177
6 Claims. (Cl. 177—311)



1. A device for actuating an indicator in response to changes in the level of a granular material stored in a bin or the like to show maximum and minimum levels comprising a pair of downwardly open shells, one of which is located adjacent the upper end of the bin and the other adjacent the lower end, a telescopically arranged pair of stems, one of which is attached to one of said shells and the other of which is attached to the other shell, and means normally biasing said stems to a nonindicating position, one of said stems being adapted to actuate said indicator to show a minimum level and the other of said stems being adapted to actuate said indicator to indicate a maximum level upon movement of the stems in opposition to said biasing means.

2,571,379
FLUID CONDUIT DEVICE FOR VEHICLE DOORS
John B. Parsons, Maumee, Ohio
Application August 20, 1948, Serial No. 45,380
3 Claims. (Cl. 296—44)



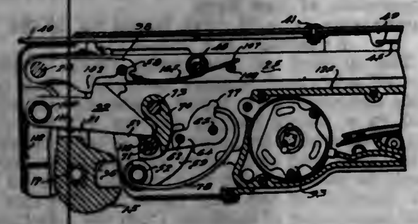
1. In a vehicle body having a hingedly mounted door, a device for conducting liquid under pressure from the body to the door at the hingedly mounted edge portion thereof, said device including a pair of relatively rotatable parts having flat faces in abutment with each other and arranged co-axial with the door hinge, said parts having aligned liquid passages and comprising outwardly extending flanges, means for retaining said parts in assembled relation, said retaining means comprising a flanged ring substantially enclosing said outwardly extending flanges for holding the same in assembled relation, and means responsive to the pressure of the liquid passing through said passages for providing a liquid-tight seal in the region of the abutting faces, and tubes from the body and door connected respectively to the outer ends of said passages.

2,571,380
METHOD OF REGENERATING ADSORPTIVE MATERIAL
Joe E. Penick, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 23, 1948, Serial No. 34,589
2 Claims. (Cl. 252—417)

1. The method of revivifying finely divided powdered adsorbent contact material which has become deactivated by liquid phase contact with an oil in a decolorization process which comprises: subjecting the spent adsorbent bearing oily material and non-vaporizable carbonaceous deposits to washing with a petroleum naphtha to effect removal of the oily material, effecting a partial separation of naphtha from the adsorbent and then supplying the spent adsorbent bearing occluded naphtha and a non-vaporizable carbonaceous contaminant deposit into the upper section of a confined drying zone at a temperature substantially below that required for combustion of said carbonaceous contaminant, mixing the spent adsorbent with hot regenerated adsorbent to heat the spent adsorbent and to vaporize said naphtha, maintaining the mixed solids within said drying zone as a fluidized descending bed of powdered material by passing steam upwardly through said bed to effect fluidization thereof, effecting a substantial separation of the steam and naphtha vapors from said bed in the upper section of said drying zone and withdrawing the separated gasiform material from said zone, withdrawing the mixed regenerated adsorbent and spent contaminant bearing adsorbent substantially freed of naphtha from the lower section of said drying zone, dispersing the mixed

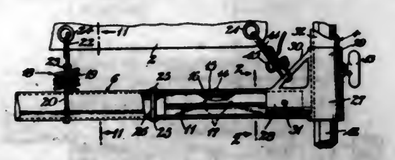
adsorbent from said drying zone in a stream of oxidizing gas and introducing said stream into the lower section of a confined regeneration zone of large horizontal cross sectional area, passing the gas upwardly through said regeneration zone at such vertical velocity as to maintain the adsorbent as a suspended dense turbulent mass therein while effecting the burning of said contaminant, permitting the adsorbent temperature to rise due to the contaminant burning, effecting a separation of regenerated adsorbent from gaseous regeneration products in the upper section of said regeneration zone and withdrawing said gaseous products therefrom, withdrawing a portion of the hot regenerated adsorbent from said regeneration zone and cooling it for reuse in said oil decolorization process, and flowing the remainder of the regenerated adsorbent as an aerated gravitating stream from the upper section of said regeneration zone into the upper section of said drying zone to mix with said spent adsorbent as aforesaid, and maintaining the proportion of contaminant deposit to adsorbent and the temperature of the mixed adsorbent stream passing from said drying zone to said regeneration zone at levels which will permit absorption by the adsorbent of at least most of the heat released by contaminant burning without its temperature reaching a heat damaging level by controlling the amount of hot regenerated adsorbent passed from said regeneration zone to said drying zone and the amount of naphtha in the spent adsorbent supplied to said drying zone, whereby the adsorbent is regenerated without the use of a heat transfer fluid and the naphtha is vaporized from the spent adsorbent by means of heat recovered from the contaminant burning.

2,571,381
BOMB RELEASE MECHANISM
Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Corporation, Detroit, Mich., a corporation of Michigan
Application March 13, 1946, Serial No. 654,167
6 Claims. (Cl. 89—1.5)



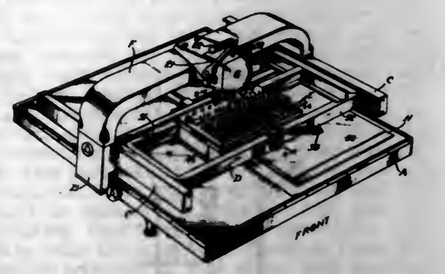
1. A release assembly for a bomb including, in combination, a frame, spaced hook members pivoted on said frame for engaging and supporting a bomb, a link pivotally interconnecting said hook members for forming an assembly which produces the operation of the hook members in synchronism, a pivotal latch on said assembly, a pivoted latch arm on said frame engageable with the latch on said assembly, a spring for urging said latch arm to latched position, an arm pivoted on said frame for supporting an engaging element for the latch arm, a toggle mechanism for moving said element supporting arm to the position for securing said latch arm, an arm on said toggle mechanism projecting therefrom, a second latch engaging said toggle mechanism arm for retaining it in latch arm holding position, and a solenoid actuated mechanism for securing said second latch.

2,571,382
PROJECTION SCREEN SUPPORT
Albert L. Raven, Mount Vernon, N. Y.
Application September 29, 1945, Serial No. 619,312
5 Claims. (Cl. 287—54.1)



1. In a support for projection screens having a sectional framework to hold the screen in stretched condition, a pair of tubular framework members, one having a polygonal axial projection having relatively sharp corners at one end and the other having a cylindrical internal bore adapted to telescope onto said projection to support said members the one by the other, whereby the polygonal axial projection makes only substantially lineal contact with the surface defining the circular bore.

2,571,383
INKING ARRANGEMENT FOR PRINTING MACHINES
Milton Reynolds and Harold G. Barrett, Chicago, Ill., assignors to Reynolds Printasign Co., Chicago, Ill., a corporation of Illinois
Application May 18, 1950, Serial No. 162,644
11 Claims. (Cl. 197—150)

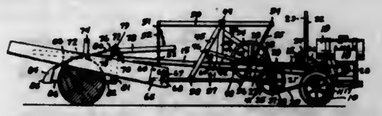


1. The combination in a printing machine, of a type case, tracks supporting said type case for movement along a rectilinear path, a plurality of type carried by said type case, the faces of said type being normally situated in a common plane parallel to said path, said type being arranged in a plurality of rows extending parallel to said path and spaced apart laterally to form a gap between each pair of adjacent rows of type faces, and a plurality of inking rollers, each positioned to engage a certain row or rows of type faces for transferring ink thereto and each movable axiswise and rotationally and having its axis extending transversely of said path at an acute angle to a plane perpendicular to said path, said rollers being of different lengths such that at least one is adapted to contact all rows of type and at least one is adapted to contact a lesser number of rows of type, the arrangement being such that the tangential force applied to the peripheries of the rollers by the type moving thereover is effective to move the rollers axiswise as well as rotationally.

2,571,384
2,8-DIHYDROXYDIBENZOTHIOPHENE
Frederick P. Richter and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application April 5, 1947, Serial No. 739,650. Divided and this application December 22, 1948, Serial No. 66,827
1 Claim. (Cl. 260—329.3)

2,8-dihydroxydibenzothiophene.

2,571,385
TREE AND LOG SAW
Isadore J. Rocklin, Sioux City, Iowa
Application September 22, 1947, Serial No. 775,414
1 Claim. (Cl. 143—68)



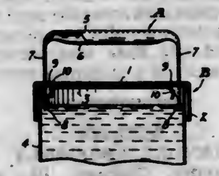
A saw unit comprising an elongated inner tube, a rear framework, a pair of wheels journalled to said framework, an engine attached to said framework, an outer tube receiving said inner tube, a support attached to said outer tube, an arm pivotally attached to the upper end of said support, a push rod pivotally attached at the lower end of said arm, a saw blade attached to said push rod, pulleys attached to said outer tube, a link member pivotally attached to a pulley and to said arm, belts engaging the pulley of said engine and said pulleys, whereby said engine will reciprocate said saw, means for securing said outer tube to said inner tube when said saw unit is used for sawing horizontally positioned logs, said outer tube being rotatably mounted on said inner tube whereby said outer tube can be rotated 90 degrees with respect to said inner tube for providing means whereby said saw will function as a tree felling unit, a ratchet member attached to said outer tube, a lever member pivotally attached to said ratchet member for engagement therewith, said lever member including a rod attached thereto, said rod engaging said outer tube, whereby movement of said lever member will adjust the tension between said pulleys and the pulley of said engine.

2,571,386
EARLY WARNING RELAY SYSTEM
David Sarnoff, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 16, 1949, Serial No. 116,130
2 Claims. (Cl. 343—6)



1. Radio relay, control and warning apparatus for each aircraft of a system wherein a plurality of radio-relay carrying aircraft are to relay communication signals from one aircraft to the other, said radio relay and control apparatus comprising a first directive antenna for transmitting signals toward another directive antenna, an automatic direction finder on the same aircraft as that carrying said first directive antenna, said direction finder being for the purpose of pointing toward a non-directional radiating beacon at the same location as said other directive antenna, means for controlling the direction of said first directive antenna by said direction finder to make said first directive antenna point automatically toward said other directive antenna, radar means on the same aircraft as that carrying said first directive antenna for obtaining warning signals indicating the presence of other craft or missiles within the range of said radar means, and means for radiating both said communication signals and said warning signals from said first antenna for reception at said other directive antenna.

2,571,387
CAN COVER AND PUNCH
Joseph F. Seybold, Cleveland, Ohio
Application December 6, 1946, Serial No. 714,465
7 Claims. (Cl. 220—51)

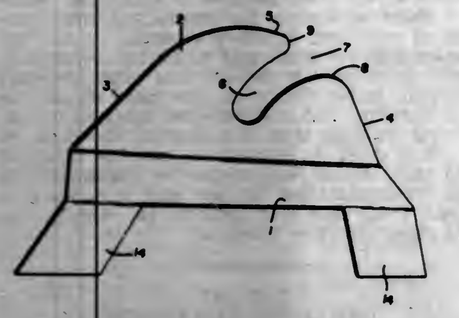


1. A device for use in opening a can and in dispensing the liquid contents thereof, comprising a body member having a cover portion for overlying the top of the can and a depending curved skirt for embracing the sides of the can, said cover portion having spaced slotted openings and a pouring opening circumferentially spaced from the slotted openings, a handle member having spaced laterally extending resilient arms formed with ends receivable in the slotted openings of the cover portion in assembly, the arms having notches for interfitting relation with the slotted openings to retain the parts in fixed relation when assembled, said arms having piercing barbs on the ends thereof for puncturing the top of a can, the handle arms being deformable to withdraw the same from the slots in the cover openings and to thereby release the interfitting slot and notch connections for disassembly of the body and handle members whereby the cover portion can be rotated on the punctured can to one position to align the pouring opening therein with one of the punctured openings in the can for the dispensing of the liquid contents of the can therethrough, or to another position in which the punctured openings are covered by the cover portion.

2,571,388
HOSE SUPPORT
Henry W. Shanahan, Coeur d'Alene, Idaho
Application May 27, 1950, Serial No. 164,753
3 Claims. (Cl. 248—80)

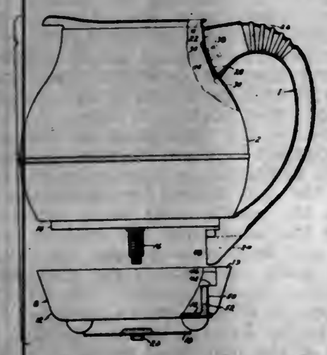
1. A hose holder comprising a blank of sheet material bent along a transversely extending line and forming a flat base and a body projecting up-

wardly along the front edge of the base, said body having upwardly converging side edges and an arcuate upper edge merging into the side edges, the body being formed with a slot leading from the upper portion of one side edge and extending inwardly therefrom and curved downwardly towards its inner end, said slot having its open outer



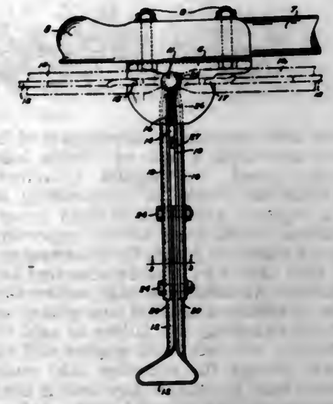
end flaring and its side edges merging into edges of the body from which the slot leads, and tongues extending from end portions of the rear edge of said base and bent downwardly and forming wide feet extending downwardly at an outward incline beyond ends of the base and serving to firmly hold the base against accidental movement.

2,571,389
HANDLE ASSEMBLY
Leland H. Snyder, Chicago, Ill., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application May 3, 1946, Serial No. 667,093
3 Claims. (Cl. 220—94)



2. In a coffee maker, a fluid container, a base for supporting said container, means for securing said base to said container, a handle for said coffee maker, said container having a plate secured on the exterior thereof, said plate having a slot therein having one portion thereof enlarged, a headed stud secured to one end of said handle and projecting outwardly therefrom, said headed stud being insertable into the enlarged portion of said slot and movable into the smaller portion of said slot to detachably secure said handle to said container, the other end of said handle having a pair of laterally extending projections, said base having a recess therein conformingly shaped to receive said handle end and having portions cooperating with said projections to lock said handle end between said base and said container when said base and container are assembled, thereby preventing movement of said handle in a direction to move said headed stud into said enlarged slot portion.

2,571,390
TRAILER TONGUE STAND
Steen Strand, Milwaukee, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application February 2, 1950, Serial No. 141,980
4 Claims. (Cl. 280—33.4)

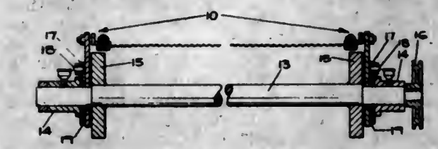


1. In a trailer draft tongue stand, a sheet metal bracket attachable to the trailer tongue and having integral opposite side walls provided with downwardly and approximately horizontal open notches radiating from a common center, a composite leg having elongated telescopic sheet metal sections one of which is bifurcated and pivotally attached to said bracket side walls at said center and the other of which is confined between the bifurcations of said pivoted section and has an integral laterally widened foot at its end remote from said center, a sheet metal latch plate slidably confined between the bifurcations of said pivoted leg section and being interchangeably cooperable with said notches to positively retain said leg in either active or inactive position, and a spring also confined between the bifurcations of said pivoted leg section for constantly urging said latch toward said notched bracket walls.

2,571,391
MECHANISM TO PREVENT JOUNCING IN MECHANICAL VIBRATING SCREENS AND THE LIKE
Orval R. Strawn, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 3, 1949, Serial No. 68,894
3 Claims. (Cl. 209—367)

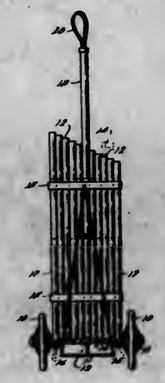
1. A vibratory screen including a deck having spaced upright side plates, means mounting said deck for vibratory movement, rotary unbalanced weight mechanism for imparting vibratory movement to said deck including a shaft extending

transversely of said deck and through said spaced side plates, a pair of spaced bearings, one adjacent each end of said shaft for supporting it, a bracket associated with each of said bearings,



pivot means interconnecting each of said brackets and the adjacent upright side plate of said deck supporting said bearings and shaft for swinging movement about an axis above and extending parallel to the axis of said shaft.

2,571,392
GOLF CLUB CARRIER
Watson Alfred Stringer, Pontiac, Mich.
Application October 19, 1949, Serial No. 122,339
2 Claims. (Cl. 280—51)



1. In a cart for carrying golf clubs comprising two wheels and an axle joining said wheels the improvement which comprises a row of tubes supported on and positioned in a common plane with said axle; end tubes positioned at the ends of said row and being provided with oppositely disposed holes transverse of the axis of said tube; and a handle for pushing said cart positioned parallel to and in the plane of said tubes, wherein each of said tubes is adapted to serve as a receptacle for a golf club and wherein each of the end tubes extends below said axle and are traversed by said axle, said axle extending through said oppositely disposed holes.

2,571,393
PULLEY
David Tann, Detroit, Mich.
Application November 1, 1946, Serial No. 707,172
6 Claims. (Cl. 74—230.4)

1. A pulley comprising a unitary member of cast material including a unitary hub and an annular portion having a part of a belt track thereon, and a sheet metal member secured in fixed relation against a shoulder on said unitary hub in position to cooperate with said annular portion to complete said belt track when the end



of the hub adjacent to said shoulder is flanged over said member.

2,571,394
MOUNTING FOR FASTENING MEMBERS AND THE LIKE
Warren L. Trafton, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 13, 1947, Serial No. 754,325
5 Claims. (Cl. 85—32)

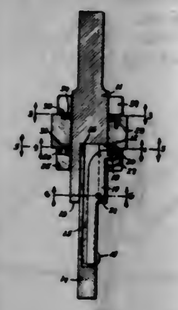


1. A fastener unit comprising a stud-engaging fastener part having a tubular stud-receiving barrel and a laterally disposed flange at one end thereof, a retainer formed with an apertured base portion surrounding said barrel and including portions securing said base portion to the flange of said fastener part, and support-engaging fingers integral with said base portion and disposed radially of said barrel of the stud-engaging fastener part, said fingers having their outer ends disposed adjacent said barrel and intermediate portions radially spaced from said barrel providing snap fastener means for engaging the walls of an aperture in a support.

2,571,395
CHAMFERING TOOL
Wilber W. Vawter, Indianapolis, Ind.
Application April 7, 1948, Serial No. 19,462
6 Claims. (Cl. 77—73.5)

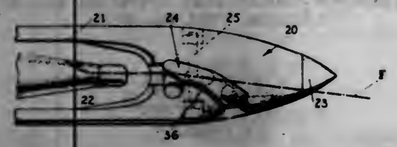
1. A tool comprising a shaft adapted to be rotated upon its axis, said shaft being provided with a substantially radial, axially-elongated groove opening through its periphery, a bit received in said groove, fulcrum means engaging said bit intermediate the ends thereof to mount the same in said groove, said bit having an active portion adjacent one end shiftable, as said bit rocks about said fulcrum means, between a position within said slot and a position projecting therefrom, a collar sleeved on said shaft, means restraining said collar against axial movement relative to said shaft, means limiting rotary movement of said collar relative to said shaft, resilient means resisting such rotary movement in

one direction, and cam means operatively connecting said collar and said bit to rock said bit



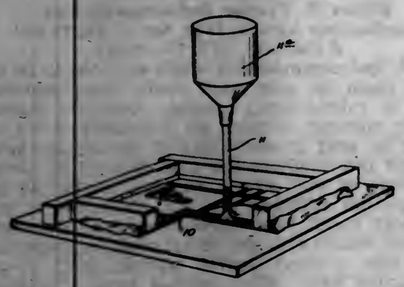
about said fulcrum means in response to rotary movement of said collar relative to said shaft.

2,571,396
SHUTTLE THREADING BLOCK
Antonio Villani, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 19, 1950, Serial No. 139,479
14 Claims. (Cl. 139—223)



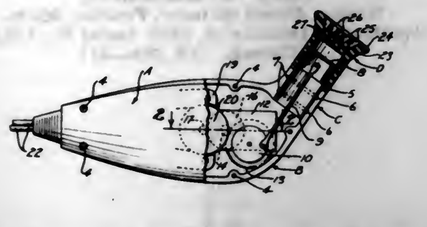
1. For use in a shuttle of the type in which a filling supply is automatically replenished, a threading block adapted to thread completely on the first pick after replenishment which comprises means defining a thread passage at the inner end of the block, a thread trap at the outer, forward end of the block and an angularly disposed thread guiding surface between said passage and trap, a side eye at the lower portion of said trap and an upwardly directed entrance slot for said eye.

2,571,397
METHOD OF PRODUCING PRINTING PLATES
Bruce Wells, Portland, Oreg.; Marjorie Stewart Wells, executrix of said Bruce Wells, deceased
Application February 12, 1946, Serial No. 647,158
8 Claims. (Cl. 18—56)



1. The method of making printing plates directly from an impression mold constructed of wax-like material comprising, providing said impression mold upon a plane base, flooding the exposed face of said mold with a liquid wetting agent inert to said mold for wetting said mold and removing air bubbles collected thereon, applying over said mold a layer of liquid casting resin characterized by becoming set at temperatures below the melting point of said mold at atmospheric pressure and having greater specific gravity than said wetting agent thereby to displace the latter and fill the impressions of said mold, and subjecting said resin to elevated temperatures below the melting point of said mold for a time sufficient to set said resin.

2,571,398
PULSATING PRESSURE MASSAGE DEVICE
Harold D. Wheeler, Inglewood, Calif., assignor of one-third to S. D. Wheeler and one-third to W. V. Wheeler, both of Inglewood, Calif.
Application June 20, 1949, Serial No. 100,111
3 Claims. (Cl. 128—38)



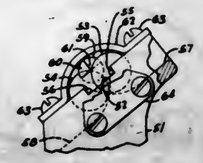
1. In a massage device, in combination, a cylinder having an open end, a piston reciprocable in said cylinder, and an applicator of flexible resilient material attached to said cylinder and enclosing the open end thereof to transmit pulsations induced by the reciprocating action of said piston directly to an area engaged by said applicator; said applicator having a cylindrical portion extending over and resiliently gripping said cylinder, and a face portion integral with said cylindrical portion extending across and closely abutting the open end of the cylinder.

2,571,399
INFANT'S SLEEPING AND TETHERING GARMENT
James P. Whiskeman, Jr., Kirkwood, Mo.
Application March 27, 1946, Serial No. 657,542
6 Claims. (Cl. 128—134)



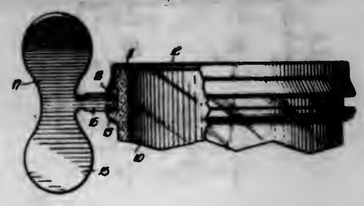
1. An infant's sleeping garment of bifurcated form providing a reinforced crotch having a flap with securing means thereon in the crotch portion thereof and a tethering strap adapted to be secured at one end to the foot of a bedstead, and means for securing the other end of said strap to the securing means on the crotch flap of said bifurcated garment.

2,571,400
PIVOT AND BEARING
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application March 29, 1946, Serial No. 658,039
7 Claims. (Cl. 308—2)



1. In a device for pivotally connecting two members, in combination, a support, a pair of rollers journaled on parallel axes in the support, the rollers being offset from each other and spaced in overlapping relationship, and a pivoting member an end of which is formed with aligned knife edges spaced along the member, said knife edges being oriented such that they may simultaneously rest against the peripheries of the rollers.

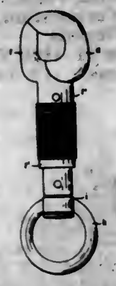
2,571,401
PRY TYPE JAR CAP REMOVER
Raymond H. Williams, Chicago, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application October 18, 1946, Serial No. 704,253
5 Claims. (Cl. 81—3.46)



1. A tool for use in removing caps of the pry-off type from a receptacle having an annular abutment shoulder located below the skirt of the pry-off cap, said tool comprising a blade having a relatively wide flat end portion terminating in a concave end edge, said end portion being provided with tapered concave grooves spaced from said end edge a distance substantially equal to the distance of the lower edge of the skirt of the cap from the receptacle and extending from the side edges of said blade toward the center on each side face thereof, and a handle member on said blade whereby when said end portion of said blade is inserted between the skirt of the pry-off cap and the annular abutment shoulder of the receptacle and said handle is rotated to twist said blade one of said grooves will index with the skirt of said cap and said cap will be forced from said receptacle.

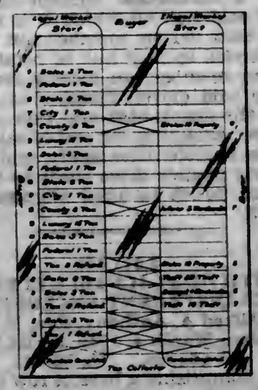
2,571,402
END HOOK
Johannes H. Zeeven, Haren, Netherlands
Application December 30, 1946, Serial No. 719,169
In the Netherlands September 27, 1946
1 Claim. (Cl. 294—83)

An end hook comprising in combination a first locking member composed of an open C-shaped locking portion and a cylindrical hollow shaft having a smaller diameter than the rear end of said open C-shaped locking portion so as to form an abutment along the same and provided with oppositely arranged straight slots extending along part of the length of said cylindrical hollow shaft; a second locking member composed of a substantially straight locking portion adapted to abut against the tip of said open C-shaped locking portion of said first locking member and a cylindrical hollow shaft surrounding and fitting closely around said cylindrical hollow shaft of said first locking member so as to abut with its front end against said abutment formed along the rear end of said open C-shaped locking portion of said first locking member when said locking



members are in locking position; a pin passing through said oppositely arranged straight grooves in said cylindrical hollow shaft of said first locking member and secured at its ends to said cylindrical hollow shaft of said second locking member; a closure member secured to said cylindrical hollow shaft of said first locking member closing the open end thereof; and a helical spring arranged within said cylindrical hollow shaft of said first locking member abutting at its one end against said pin which is secured at its ends to said cylindrical hollow shaft of said second locking member and at its other end against said closure member closing the open end of said cylindrical hollow shaft of said first locking member.

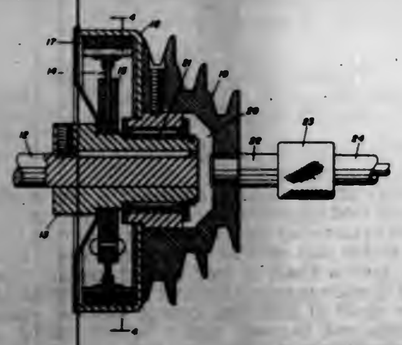
2,571,403
COLUMNED GAME BOARD
John K. Aird, Baltimore, Md.
Application February 24, 1949, Serial No. 78,059
1 Claim. (Cl. 273—134)



In a board game to be played with playing pieces, a board serving as a playing field having three parallel columns of marked spaces, the

outer two of said columns constituting optional paths or playing courses extending from one end of the board to the other, said two columns of the board having thereon indications of rates of payments required from player's stopping pieces thereon and other indications on said board adjacent said columns to determine by chance whether any payments should be made, the intermediate third column being a column of rest and having designations in certain spaces to bar the spaces from entrance of player's pieces thereinto.

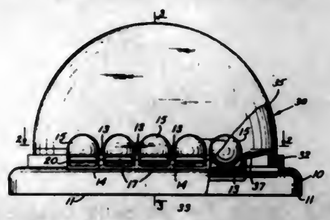
2,571,404
POWER UNIT
Peter Altzman, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application June 11, 1948, Serial No. 32,410
2 Claims. (Cl. 74—16)



2. A power unit for driving a flexible drive shaft and comprising a single cylinder engine producing an abnormally high maximum torque many times the average mean torque and having a crankshaft and a transmission assembly mounted directly on said crankshaft and solely supported thereby, said transmission assembly being adapted to smooth the torque and power impulses to reduce these alternating stresses in said flexible drive shaft and comprising a hub secured to said crankshaft and providing a mounting for all elements of the transmission assembly, a driven member rotatably mounted on said hub, a centrifugal friction clutch directly driven by said hub on which it is mounted and engaging said driven member, an anti-friction bearing carried by said hub to rotatably support said driven member, an axially recessed pulley secured to said driven member in spaced relation with the crankshaft and hub and having a central web; enclosing the end of said crankshaft and hub, a flexible drive shaft, and means connecting said flexible drive shaft to the web portion of said pulley in axial alignment with the crankshaft.

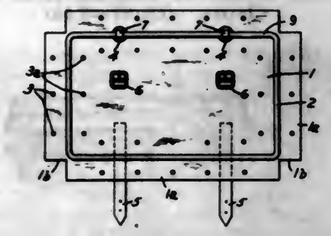
2,571,405
TOY WITH DISPLACEABLE ELEMENTS IN TRANSPARENT ENCLOSURE
Alfred A. Anthony, Rye, N. Y.
Application March 4, 1949, Serial No. 79,566
4 Claims. (Cl. 46—1)

1. A toy comprising a base, a row of sockets on top of said base and extending in a row lengthwise of the toy, each of said sockets having side walls in position to prevent displacement of an element in the socket lengthwise of the toy, separate actuators extending forward from the respective sockets, each of the actuators having a portion by which it is manually operated to cause the element in the associated socket to be projected upward out of the socket, a cover extending across the socket at a substantial distance



above the elements, at least a portion of the cover being transparent, and the inside surface of the cover above at least some of the sockets having a slope toward the space above another socket so that elements projected upward against the sloping surface are deflected lengthwise of the toy over other sockets.

2,571,406
CRIB COVER
Lucy M. Ball, Pasadena, Calif.
Application June 27, 1949, Serial No. 101,627
2 Claims. (Cl. 5—97)

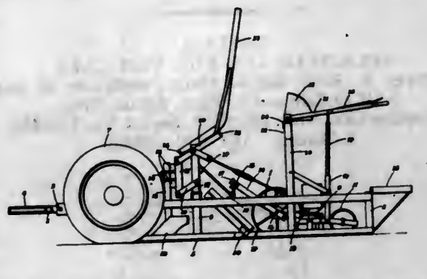


1. A crib cover comprising a rigid frame shaped to fit the top of a crib having a horizontal bar, and a flexible cloth cover sheet attached to the frame, said cover sheet having margin portions overlying all sides of the frame and being provided with fastening means both on the margin portions and on the portion of the cover inside the frame, the margins being folded over the frame and the fastening means fastened together, the back of said frame being hinged to the crib, the front of the frame being provided with forwardly protruding straps, and buckles fastened to the top of the cover sheet, whereby the straps can be brought underneath the crib bar and buckled to the buckles.

2,571,407
PLANTER SUPPORTING IMPLEMENT
Joseph J. Bauer, Tracy, Calif.
Application May 28, 1949, Serial No. 96,001
1 Claim. (Cl. 111—69)

A seed planting machine comprising a rigid substantially rectangular frame, rigid ground supported runners fixed to the sides of the frame longitudinally of the line of draft of the machine, draft means pivotally connected to the front end of the frame for vertical swinging movement with respect to the frame, a pair of furrow forming plows mounted on the frame and spaced

apart transversely of the frame, a seed planter mounted on the frame to the rear of the plows and so positioned as to deposit seed in a row substantially midway between the lines of travel of the plows, and a leveling scraper fixed to the frame at a point between the plows and the planter, said scraper extending transversely of



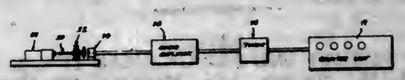
the machine and spanning the space between the lines of travel of the plows, the lower edge of the scraper being held at a constant predetermined level with respect to the ground engaging surfaces of the runners, the plows and the planter being separately vertically adjustable relative to the frame and scraper blade.

2,571,408
EGG CONTAINER AND METHOD OF MAKING IT
Samuel Bergstein, Cincinnati, Ohio
Application May 22, 1948, Serial No. 28,705
11 Claims. (Cl. 229—28)

1. A knock-down cellular container comprising an outer band associated with an inner partitioning element, said outer band comprising a front wall, a pair of bottom forming panels divided by a narrow medially scored rib-forming panel, a rear wall, and a cover panel all in the order named, said inner partitioning element comprising a double thickness vertical partition member articulated at its bottom and having a top member extending outwardly from each side of said vertical partition with a glue lap articulated to the outer of each top member, the bottom edge of said vertical partition being nested in and adhesively secured to said rib forming panel, said glue laps being adhesively secured to the inner side of said front and rear wall members.

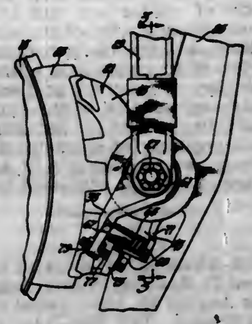
2,571,409
METAL DEFECT TESTING METHOD
Meredith Beyers and Joseph A. Sadony, Montague, Mich., assignors to Continental Motors Corporation, Muskegon, Mich., a corporation of Virginia
Application October 13, 1944, Serial No. 558,596
2 Claims. (Cl. 73—69)

1. A method of testing an elongated rod or bar of metal having a weld in a plane normal to its axis by detecting minute internal defects in said rod or bar which permits the transmission and internal reflection of vibrations caused by impact, and which comprises striking of the end of said rod or bar by impact to set up longitudinally travelling vibrations of different frequencies reflected internally thereof, clamping of said rod or bar in a fixture or vise at a point closely adjacent to said weld to substantially dampen the vibrations of low frequency transmitted at



and near the external surface of such rod or bar and thereby permit the transmission and internal reflection of the vibrations of relatively high frequencies substantially longitudinally of the rod or bar along the central axis thereof, and measuring of the duration of said undampened vibrations of high frequencies aforesaid to determine the comparative soundness of the rod or bar which is being tested.

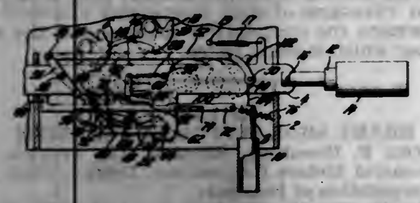
2,571,410
BRAKE SHOE SUPPORT MECHANISM
Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1946, Serial No. 672,093
9 Claims. (Cl. 188—206)



1. In a brake rigging for a vehicle wheel the combination of a brake lever angularly movable in the plane of the wheel, said lever having a bore extending therethrough parallel to the wheel axis and provided with a tapered counterbore at one end, a brake head having an arcuate face, opposite side projections adjacent one end, and aligned side bearing openings intermediate the ends, a brake shoe on the arcuate face of said brake head, annular support members in each side bearing opening of said head, one support member having a tapered end face engageable with the tapered counterbore and at least one support member having an arm extending radially outwardly from the outer end of a bearing opening of said brake head, said arm having spaced abutments thereon engageable with a side projection of said head, a bolt extending through the annular support members and the bore in said lever, said bolt having a head engageable with one support member and a nut threaded on the other end, a spring on said bolt compressed by said nut into engagement with the other support member to frictionally engage the tapered end of one support in the tapered counterbore of said lever, a second compression spring between said arm and a side projection of said head re-

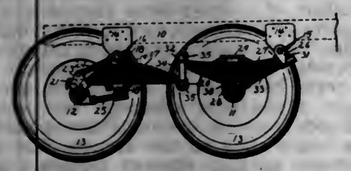
taining a head projection in engagement with one abutment of said arm to retain said shoe in spaced concentric relation with respect to said wheel, the other abutment of said arm being engaged by a head projection upon excessive movement of said lever to apply the shoe to the wheel and to cause movement of said arm relative to said lever against the action exerted by both of said springs.

2,571,411
TURRET AND TREADLE BAR TUNER
Carl W. Blessey and Manfred G. Wright, Kokomo, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 6, 1946, Serial No. 674,832
15 Claims. (Cl. 74—10.15)



1. A sequential positioning device including: a rotatable treadle bar to be positioned, a turret carrying equally spaced adjustable double contact cams capable of contacting said treadle bar at two points on opposite sides of its axis of rotation and so position said treadle bar, means for actuating said turret to cause said cams to contact said treadle bar, said turret and said cams rotatable about axes parallel to the axis of rotation of said treadle bar means for indexing said arcuate cams into position for contacting said treadle bar and means for adjusting said arcuate cams when they are in contact with said treadle bar.

2,571,412
TANDEM AXLE SPRING SUSPENSION
Fred D. Bonnin, Fresno, Calif.
Application August 23, 1947, Serial No. 770,240
5 Claims. (Cl. 280—104.5)



1. In a load transporting device having a frame supported by fore and aft tandem axles, a suspension system interposed between the axles and frame comprising forward and rearward elongated spring means in substantial fore and aft alignment and having adjacent end portions, shackles pivotally interconnecting the adjacent end portions of the spring means, forward shackle means borne by the frame and slidably receiving the forward end portions of the forward springs in supporting relation to the frame for relative pivotal and slidable movement, tension means pivotally interconnecting the forward shackle means and the forward axle, rearward hangers mounted on the frame and pivotally supported by the rearward spring means near the mid portions thereof, clamps mounting transversely of the frame one of the axles on the forward spring means near the mid portions of said means, and radius rods connecting the rearward hangers and the aft axle in fixed spaced relation, said axle being retained thereby in slidable supporting relation to the rearward end portions of the rearward spring means.

2,571,413
SPLASH GUARD FOR VEHICLES
William A. Botz, Elgin, Oreg., assignor of one-half to Edward C. Botz, Elgin, Oreg.
Application June 28, 1949, Serial No. 101,846
2 Claims. (Cl. 280—154.5)

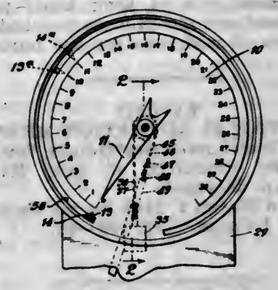


1. In a vehicle splash guard of the character described, a plurality of similar wooden slats arranged together one above the other normally in a vertical plane, a pair of vertical channels extending entirely through each slat, said channels in said slats being in vertical alignment respectively, a groove in the bottom edge of the lowermost slat extending from one channel to the other channel, a flexible element extending down through one set of channels and along said groove and up through the other set of said channels, a pair of links for mounting said splash guard in place behind a vehicle wheel, bolts connecting said links to the uppermost slat, one end of said flexible element formed with an eye loop and attached to one of said bolts, the opposite end of said flexible element adjustably clamped to one of said bolts by the nut on the bolt, and a bottom protective plate lining a portion of said groove in said bottom slat, said plate having two parallel side portions extending part away over the side faces of said bottom slat respectively, and a bottom strap extending across said groove to hold said flexible element in said lined groove.

2,571,414
REGISTERING MECHANISM FOR SCALES AND THE LIKE
Andrew G. Brown, Maywood, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 24, 1947, Serial No. 756,637
5 Claims. (Cl. 116—129)

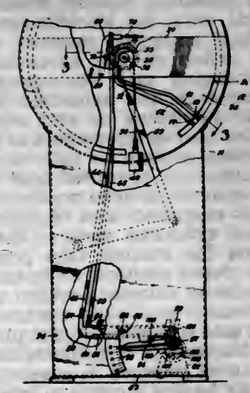
1. In an indicating device, a drum rotatable on a fixed horizontal axis, a weight suspended from the periphery of the drum and effective to urge

the drum in one direction of rotation, two flexible suspending members each connected at one end to the weight and at the other end to the drum for winding thereon, said members being spaced apart throughout that extent which winds on the drum, a link member having linear movement to



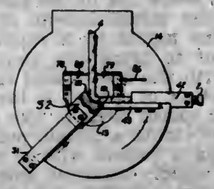
be translated into rotary movement of the drum, and two flexible connecting members spaced apart throughout their extents which wind on the drum, each connected at one end to said link member and at the other end to the drum for winding thereon in a direction opposite to said two flexible suspending members.

2,571,415
PERCENTAGE INDICATOR FOR SCALES AND THE LIKE
Andrew G. Brown, Maywood, Ill., assignor to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 24, 1947, Serial No. 756,638
17 Claims. (Cl. 116—129)



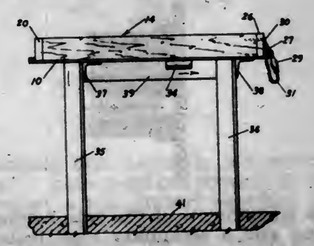
1. A percentage-indicating device comprising in combination an arcuate dial having uniform calibrations about a center, two pointers movable concentrically with said calibrations and arranged to register together at one position on the dial and to move simultaneously from said position in the same direction at speeds having a predetermined ratio, two concentrically mounted and movable elements carrying said pointers and having gear-toothed portions, two racks-toothed longitudinal-link members engaging said gear-toothed portions for effecting movement of said pointers, a pivoted rocking-lever arm connected at a fixed arm's length to one of said link members, a second coaxial lever arm longitudinally adjustable in a radially sliding position on said rocking-lever arm and connected at its adjustable arm's length to said other link member, the ratio of the effective lengths of said fixed and adjustable lever arms as connected to the link members controlling said predetermined ratio, a rotary manual control for rocking and positioning said lever arms to effect various registrations of said pointers, a positive connection between said manual control and said rocking levers arranged to effect one rocking cycle per revolution of said control, and an adjusting device for moving said second lever arm in predetermining its effective arm length and its position on the rocking-lever arm.

2,571,416
APPARATUS FOR BENDING TUBES
Ralph Brown, Fallbrook, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application February 20, 1948, Serial No. 9,814
13 Claims. (Cl. 49—7)



1. In an apparatus of the character disclosed, the combination of a table for supporting a length of tubing, a pivot member disposed axially of said table and mounting a radial arm against the end of which said tube is adapted to abut, a chordal bending arm associated with said radial arm to move over the face of and in contact with said table, means to heat the tubing to plastic condition, mold means vertically and radially reciprocable to enclose a portion of said tubing, and means to operate said radial arm to cause the chordal member to bend the tubing around one of said mold means while in contact with the face of said table.

2,571,417
MOLD FOR AND METHOD OF MAKING DRAINPIPE SPLASH BLOCKS
Robert F. Buchanan, Denver, Colo.
Application July 9, 1948, Serial No. 37,933
6 Claims. (Cl. 25—121)



1. A mould and supporting structure for casting in inverted condition a drain pipe splash block or like structure and removing the block therefrom while the mould remains in the upright position assumed during the casting, said support structure comprising a framework including spaced members and said mould com-

prising a bottom wall, two side walls, and two end walls, said side walls being of greater length than the end walls and said side walls and one of said end walls all being rigidly attached to the bottom wall and said other end wall being removable, said removable end wall being of a length greater than the distance between the said walls at that end and arranged to overlap and abut the end surfaces of the side walls, detachable means for securing the removable end wall in engagement with the bottom and end surfaces of the side walls and permitting the said end wall to be removed by a movement outwardly from the ends of the side walls when the detachable means is removed, the bottom wall of said mould being formed with a central longitudinal ridge and the surfaces on each side thereof uniformly sloping downwardly toward the side walls and the rigid end wall being of less length than the removable end wall, abutment means attached to the outer surface of the bottom wall, said support structure having its spaced members so arranged that the mould bottom can slidably rest thereon with its abutment means below one of the members to thereby permit the establishment of a hammering action on the mould by a rapid sliding movement thereof to bring the abutment into engagement with the one of said spaced members.

2. The method of casting in inverted condition a drain pipe splash block or like member, which comprises providing a plastic material receiving mould having a bottom with a central longitudinal ridge, rigidly attached side walls in converging relation, a rigidly attached end wall at the ends of the side walls which are closest together, and a removable end wall at the opposite end of the side walls, placing the mould on a support structure with its bottom resting thereon and free for sliding movement in a longitudinal direction, placing material in a plastic state in the mould and allowing it to assume a hardened condition, and then removing the hardened material by a hammering action on the mould with said hammering action taking place in a direction to cause the hardened plastic material to move toward the end of the mould having the removable end wall.

2,571,418

TRANSFORMER COIL SPACER

René Castenschiold, Morristown, N. J., assignor to American Transformer Co., Newark, N. J.

Application March 17, 1949, Serial No. 82,189
1 Claim. (Cl. 175—362)



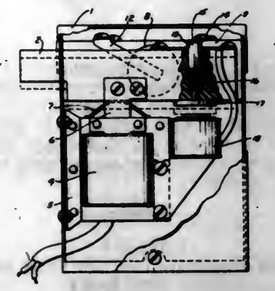
In a transformer of the type having a primary winding and a secondary high voltage winding sub-divided into a plurality of coils, the primary and secondary windings being separated by an insulating tube, means for spacing the high voltage coils comprising, a plurality of single piece T shaped devices of suitable insulating material, each having a body portion positioned between different coils, the length of the body portion being at least equal to the radial depth of said coils and of a suitable thickness so as to permit proper insulation and cooling between the high voltage coils in the transformer, each device having a uniform width to give considerable supporting area to the engaged coils, the device having a single cross head at one end extending on both sides of the body portion to engage different adjacent coils at their inner periphery, said cross head coming in close proximity to the outer surface of said tube for the purupose described.

2,571,419

ELECTRICAL ACTUATION MEANS

Russell C. Churchman, Des Moines, Iowa; Nellie Churchman executrix of said Russell C. Churchman, deceased

Application March 1, 1946, Serial No. 651,262
1 Claim. (Cl. 200—98)



In a device of the class described, a solenoid having a reciprocal core movable in one direction when electrically energized, a yielding means for moving said reciprocal core in the other direction when said solenoid is not electrically energized, an actuation member extending from said reciprocal core, an electromagnet spaced apart from said actuation member, a plunger type electric switch on said actuation member capable of engaging said electromagnet when said reciprocal core and actuation member is moved by the energizing of said solenoid and after contacting said electromagnet of being held in closed position so long as both said solenoid and electromagnet are energized, and being held by said electromagnet in open position when said solenoid is not energized, and regardless of the position of said actuating member thereafter, a yielding means for moving said plunger type switch into a closed position when said actuating member is in an extreme position away from said electromagnet and said electromagnet is not energized; said solenoid and said plunger type switch being imposed in a common circuit, and said electromagnet imposed in a second circuit; said two circuits having a common inlet line and a common outlet line.

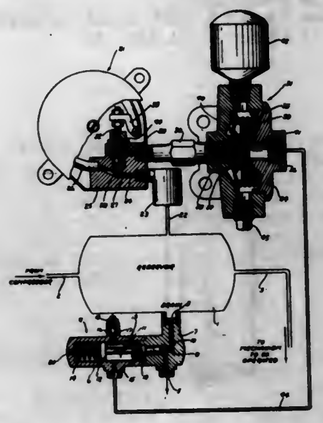
2,571,420

MECHANISM FOR DRAINING MOISTURE FROM COMPRESSED-AIR STORAGE TANKS

Russell C. Churchman, Des Moines, Iowa; Nellie Churchman executrix of said Russell C. Churchman, deceased

Application July 12, 1947, Serial No. 760,682
4 Claims. (Cl. 302—88)

1. In a device of the class described, a compressor unit, an air storage tank, a conduit connecting said compressor to said tank, an outlet from said tank, a first valve housing member detachably secured to said tank, a passageway through said valve housing that communicates at one end with the inside of said tank and at its other end with the atmosphere, a chamber within said valve disposed transversely to said passageway and communicating therewith, a valve stem in said chamber capable of closing said passageway at times, a piston on one end of said valve stem, yielding means to cause said valve stem to keep said passageway closed, a second valve housing connected to said tank, a passageway from said second valve housing communicating with the inside of said tank, a second passageway within said second housing transverse to and communicating with said first passageway therein, a valve stem within said second passageway normally preventing the passage of air therein from first passageway, means connecting said first passageway in said second valve housing with the valve stem therein so that pressure from said tank will act upon said valve stem to permit the passage of air from the first passageway into said second passageway within said



second valve housing, a third valve housing connected by a conduit to the second passageway in said second valve housing, an air storage reservoir in said third housing capable of receiving air under pressure at times from said second passageway in said second valve housing, an outlet in said third housing, a chamber in said third housing, a valve member within said chamber, means for yieldingly holding said valve to close the conduit from said second valve housing; said valve capable of closing said outlet when pressure through said conduit overcomes said yielding means, a conduit communicating at one end with the outlet in said third housing and at its other end with said first valve housing so that pressure from said reservoir through said last mentioned conduit will act upon said piston in said first valve housing thereby removing the valve stem therein from the passageway to said tank and resulting in moisture in said tank being forced out through the passageway in said first valve housing.

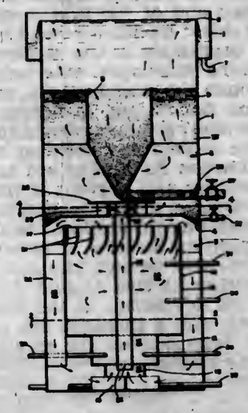
2,571,421

COLD PROCESS WATER SOFTENER

George P. Clement, New York, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application January 21, 1948, Serial No. 3,511
14 Claims. (Cl. 210—16)

1. In a water treating apparatus, a cylindrical receptacle having an outlet for treated water, means dividing said receptacle into an upper separation chamber and a lower reaction chamber, a cylindrical casing mounted in said reaction chamber so that its lower end is spaced above the bottom of the receptacle, said casing having a peripheral opening at its upper end, said casing having a coaxial inlet at its lower



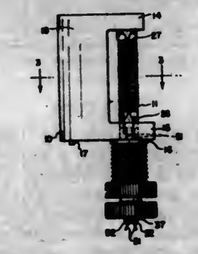
end of smaller diameter than the peripheral opening, inlet members for water projecting tangentially into said casing, a conduit having its inlet near said casing inlet and its outlet in the bottom of said separation chamber, a baffle plate spaced from said conduit outlet to deflect fluid flowing therethrough and means for feeding a chemical reagent into said reaction chamber.

2,571,422

TEMPERATURE RESPONSIVE DEVICE

George H. Cole, Robert A. Heel, Harold E. Neuendorf, and Clayton L. Corneaby, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

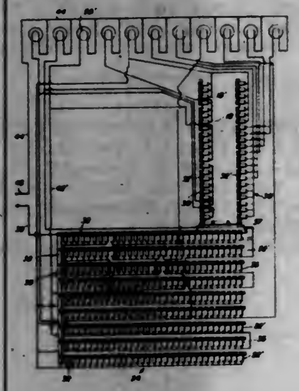
Application January 3, 1950, Serial No. 136,582
14 Claims. (Cl. 201—63)



1. A resistance unit assembly for measuring temperatures of high speed gas streams in chambers comprising: a temperature sensitive resistance wire; an insulator member about which said wire is wound, said member being frustum shaped at a first end and being terminated at a second end just without the passage of the gas stream and having an off-centered hole passing longitudinally through the member; a second insulator member having a first end butting against the second end of the first member, said second member having a depression on the first end to permit connecting conductors having a low tem-

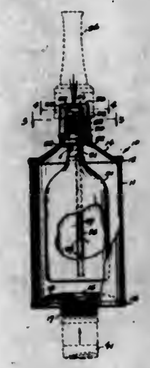
perature coefficient of resistance to the wire and keep the wire terminals short; a shield for protecting the wire from the direct gas stream and shaped as a foil formed by the arcs of two circles and terminated at its point of greatest width, said shield having a first extension for supporting the first insulator member, said extension having a frustum shaped depression into which the frustumed end of the first member is positioned, said shield having a second extension fitting into a depression in the chamber wall, and having a third extension, externally threaded, passing through the chamber wall, said third extension being hollow and enclosing the second insulator member; a rod passing through the off-centered hole in said first member and through the first extension on said shield to strengthen said first member and prevent it from turning; internally threaded means cooperating with the third extension on said shield to hold said shield rigidly in position in the chamber; a spring acting against said second insulator member to hold the frustumed end of said first insulator member in the depression in the first extension on said shield; and a threaded cap over the end of the third extension on the shield to provide a base for the spring.

2,571,423
INDICATING APPARATUS
Glen E. Conlisk, Tulsa, Okla.
Application April 5, 1948, Serial No. 19,006
4 Claims. (Cl. 177—353)



1. An indicating system for identifying units, originally identified within a basic reference system by means of a large number of identification data and using tables, tabulating groups of data and key indicia for arranging the large number of data into groups, said identification being made within a second arbitrarily selected system using a smaller number of identifying data for said units to which each of said units is allotted, said system comprising an operator's board, a group of contact pairs with closable contacts arranged along parallel lines crossing each other, each contact pair arranged along one line being allotted to one of the groups of data of the basic reference system and each of these lines being provided with an identifying mark on said board corresponding to the said groups of data, each line of contact pairs crossing the aforesaid lines being likewise provided with a mark, corresponding to another group of identification data of the basic reference system, group connections between single contacts of each contact pair, joining contacts of all contact pairs assigned to the same division of the second arbitrarily selected system, a separate operative circuit joined to each of said group connections, a number of indicator signals on the operator's board corresponding to the number of divisions in the second arbitrarily selected system, each indicator signal being connected with one of said operative circuits, a common connection for all operative circuits, a source of currents, connected with said common connection, and a further common connection joining all the second contacts of the contact pairs not joined to the group connections, said further common connection being operatively connected with the source of current.

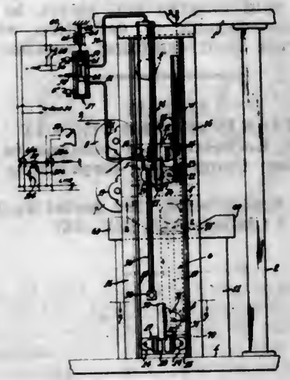
2,571,424
DILUTION OF LIQUID CONCENTRATES
Carl S. Dailey, Seattle, Wash., assignor to Cascade Sprayer Company, Seattle, Wash., a corporation of Washington
Application August 6, 1946, Serial No. 688,625
5 Claims. (Cl. 299—83)



2. In a machine for diluting a liquid concentrate, a pressure tank, a compressible sack for the chemical received in said tank, a mixing chamber, means for supplying water from a pressure source of supply to the interior of the tank but exteriorly of the sack for compressing the latter, a hollow pipe fixedly associated with the tank and extending into the sack for every nearly the full length of the latter and provided in its wall with a plurality of openings located at spaced intervals of the length, means for supplying water from said pressure source to the mixing chamber, and means for delivering liquid concentrate subjected to the compression pressure of the compressed sack from the interior of the pipe to the mixing chamber.

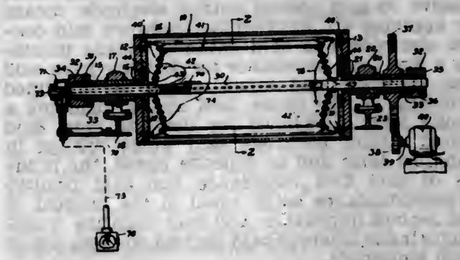
2,571,425
WEB-HEATING DEVICE
Karl L. Dietrich, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application April 27, 1948, Serial No. 23,565
15 Claims. (Cl. 262—3)

7. In a web heating device the combination of an elongated carriage, means to mount said carriage for reciprocating movement, a first guide roller located near one end of said carriage, a second guide roller located near the opposite ends of said carriage, an exit roller mounted adjacent to said second guide roller when said carriage is at one end of its path of travel, the web being threaded from a point in line with the direction of travel of said carriage around said first roller and in an opposite direction around said second roller and in the first direction to pass around said exit roller whereby as



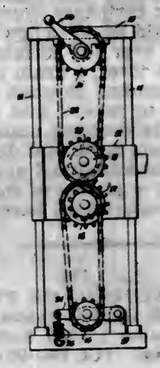
said carriage is moved the position of the guide rollers will be changed without changing the length of the web passing around them, means forming a heating zone into which said first roller is moved when said carriage is at said one end of its path of travel, and means to move said carriage to bring said first guide roller into and out of said heating zone.

2,571,426
ROTATABLE ELECTRICALLY HEATED DRYING CYLINDER
Michael Doniak, Compton, Calif.
Application January 24, 1950, Serial No. 140,205
4 Claims. (Cl. 219—19)



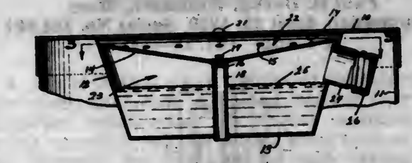
1. In a structure of the kind described, a rotatably mounted metallic cylinder, a conduit having an end portion projecting axially from at least one end of said cylinder, a framework mounted upon said conduit within said cylinder, said framework comprising a plurality of elongated electric heating members extending lengthwise of said cylinder and radially spaced away from said conduit, supporting means for said heating members carried by said conduit, said supporting means comprising arm structures extending radially from said conduit and longitudinally adjustable to maintain said heating members at various distances from the side wall of said cylinder, and means to supply electric heating current to said heating members, said current supply means including conductors led into said cylinder through said conduit.

2,571,427
DIFFERENTIAL MECHANISM
Myron J. Drachman, Brooxville, N. Y.
Application November 19, 1945, Serial No. 629,478
6 Claims. (Cl. 254—167)



1. A differential device comprising a supporting mechanism, a movable mechanism mounted upon the supporting means, a pair of spaced pulleys carried by one of the aforesaid mechanisms, differential means including at least one pair of positive drive differential wheels connected together and having chain engaging means on the periphery thereof and mounted for rotation upon the other of said mechanisms, the differential wheels being located between the spaced wheels, cross-over means for a chain carried upon the mechanism with the differential wheels and adjacent thereto, the pair of spaced wheels and the differential wheels and the cross-over means being in vertical alignment, and a positive drive chain passing around a portion of the periphery of the spaced wheels providing a strand on each side thereof and one strand circling at least a quadrant of the periphery of one differential wheel and the other strand circling at least a quadrant of the periphery of the other differential wheel, each strand passing in opposite directions between the differential wheel and the cross-over means and engaging the cross-over means upon opposite sides thereof so that the chain pull of each strand is directed towards the center of the differential wheels overcoming the camming action tending to force the chain thereoff.

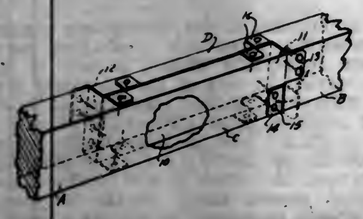
2,571,428
LIQUID DISPENSER FOR GARBAGE CANS
Theodore Adam Drinkhaus, Galveston, Tex., assignor to Tilt Dispenser Company, Galveston, Tex., a partnership
Application September 7, 1948, Serial No. 48,073
3 Claims. (Cl. 220—87)



1. A liquid dispenser adapted to be attached to the cover of a receptacle to effect the delivery of a limited amount of disinfecting and deodorizing liquid therefrom by the normal tilting of said cover incident to removal and replacement of the

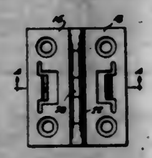
same upon said receptacle, which dispenser comprises a container, a baffle dividing the container into an upper compartment and a lower compartment, said lower compartment being adapted to contain disinfecting and deodorizing liquid, a plurality of apertures in said baffle arranged adjacent to the outer periphery thereof for permitting a portion of said liquid to flow into the upper compartment and over the surface of said baffle upon tilting of the cover, a drain connected with said baffle and extending through said container which is adapted to receive and conduct liquid disinfectant and deodorizing material from the upper surface of said baffle and discharge it into said receptacle, and additional apertures in said baffle for returning a portion of the liquid entering said upper compartment back to said lower compartment.

2,571,429
JOINT FOR TIMBERS OR THE LIKE
Raymond R. Dupler, Toledo, Ohio
Application December 7, 1948, Serial No. 64,019
1 Claim. (Cl. 20—92)



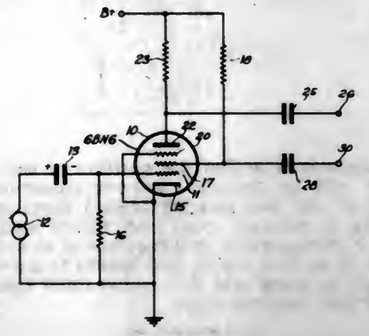
The combination of a pair of wooden beams, each beam having a notched end portion providing a flat side and a right angle abutment surface at the inner end of the notch, the end portions being arranged in overlapping and abutting relation forming a continuous length with the side edges of the beams flush with each other, a strip of relatively light gauge sheet metal interposed between the longitudinal flat portions of the notched ends, the strip being of substantially the same width and length as the notched portions, the opposite ends of the strip having oppositely extending flange portions of the same width as the strip fully to cover the abutting ends of the notched portions, a pair of ears on the free end of each flange bent in opposite directions against the adjacent beam portions, fasteners extending into the beam portions through said ears, pairs of ears integral with opposite edges of the sheet metal strip and bent in opposite directions to engage adjacent notched portions respectively, and fasteners through said last ears and into the adjacent notched portions.

2,571,430
SELF-LOCKING HINGE
Paul H. Durup, Wellaston, Mass.
Application April 25, 1950, Serial No. 158,001
1 Claim. (Cl. 16—145)



A self-locking hinge including a pair of plates pivotally connected together along adjacent marginal longitudinal edge portions, transversely extending tongues struck from each of said plates and deflected outwardly, the base of the tongues lying parallel to said hinged edge portions and the free ends of said tongues being deformed to provide coacting cam faces, and elongated slots extending from each side of said tongues and parallel to the hinged edge portions and at the junction of said tongues and plates, to provide a torsion bar capable of deflection with said tongues during their camming operation.

2,571,431
PHASE INVERTER CIRCUIT
Kurt Enslein, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application September 8, 1950, Serial No. 183,763
7 Claims. (Cl. 321—56)

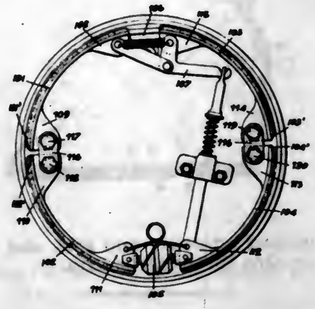


7. A phase inverter circuit, comprising an electron discharge device having at least a cathode, a control electrode and first and second output electrodes, said control electrode having a negative transconductance relative to said first output electrode and having a positive transconductance relative to said second output electrode, means for applying an input voltage between said control electrode and said cathode, means including a first load impedance for deriving from said first electrode said input voltage in amplified form and of like phase, and means including a second load impedance for deriving from said second output electrode said input voltage in amplified form and of opposite phase, the product of said first impedance and said positive transconductance being equal to the product of said second impedance and said negative transconductance whereby said derived voltages are of equal amplitude.

2,571,432
BRAKE FOR AUTOMOBILE VEHICLES AND THE LIKE
Pierre Farkas, Paris, France
Application May 27, 1946, Serial No. 672,515
In France April 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1964
4 Claims. (Cl. 188—78)

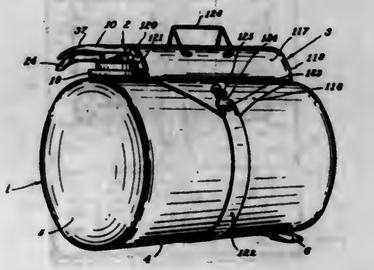
1. A brake shoe for use with brake drums, comprising a plurality of individual segments which are arranged in end-to-end alignment, each of said segments having curved brake shoe portions, pivotal portions on their adjacent ends, and means pivotally connecting the pivotal portions of adjacent segments and elastically urged

for frictionally clamping said segments in alignment but permitting angular adjustment therebetween to adapt it to conform to a brake drum to which the shoe is fitted, the adjacent pivotal



portions of said segments being spaced apart to permit relative angular adjustment of said segments about said pivot means in either direction while substantially maintaining the relative longitudinal positions of said brake shoe portions.

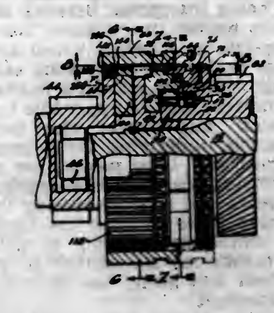
2,571,433
BEVERAGE DISPENSING RECEPTACLE
Joseph L. Fine and Lynn H. Collar, Miami, Fla.
Application March 23, 1948, Serial No. 16,414
6 Claims. (Cl. 222—55)



4. A liquid dispensing apparatus comprising a liquid receptacle, a dispensing mechanism for said receptacle, said dispensing mechanism comprising a tap, a pressure regulator capable of effecting a high order of reduction in the pressure of gases passed therethrough, a gas container and interconnecting conduit means therefor, said container having a structure and capacity to maintain a substantial volume of gas under high pressure, the elements of said dispensing mechanism being arranged in the line extraneously of and along the top of said receptacle.

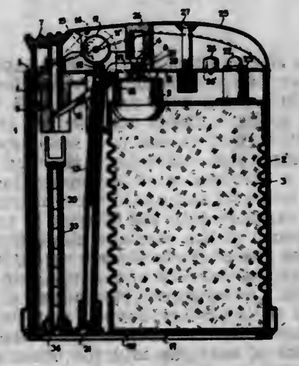
2,571,434
POWER TRANSMISSION
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 18, 1946, Serial No. 655,193
24 Claims. (Cl. 74—336)

1. In a variable speed power transmission; a driving structure; a driven structure; change speed mechanism connectible between said structures including means for driving the driven structure from the driving structure in a relatively fast speed ratio drive and in a relatively slow speed ratio drive; the fast speed driving means comprising a speed controlled centrifugal pawl clutch engageable at or above a predetermined speed upon a reversal of torque through said transmission to establish said fast speed drive; the slow speed ratio driving means comprising a speed reducing gear train and an overrunning device adapted to automatically establish said slow speed drive upon release of said



fast speed drive; and a movable drive establishing shift sleeve operable to a position where it establishes said slow speed drive and conditions said clutch for engagement, said sleeve being movable at the will of the driver during operation of the transmission in said fast speed ratio drive to effect a downshift in said transmission and including means operable upon said clutch to release the same during said movement.

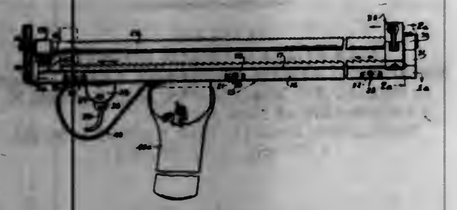
2,571,435
GAS FUELED CIGAR LIGHTER
Alexander L. Flamm, Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application June 11, 1949, Serial No. 98,465
8 Claims. (Cl. 67—7.1)



8. A gas fueled cigar lighter of the character described, including a casing having therein a chamber constructed to contain gaseous fuel under pressure, a fuel burner structure extending through the top wall of said casing, said burner structure including a reciprocable fuel valve interposed between the mouth of the burner and said chamber, a sparking wheel, means for mounting said sparking wheel upon the top wall of said casing at one side of said burner structure, a depressible fingerpiece, means for re-

ciprocably mounting said fingerpiece upon the top wall of said casing to move between an upper idle position wherein said valve is closed and a lower active position wherein said valve is open, a closure cap, means for mounting said closure cap on the top wall of said casing to swing angularly between lower burner covering and upper burner exposing positions, the mounting means for said sparking wheel and closure cap being interposed between the fingerpiece and the burner, mechanism interconnecting said fingerpiece, sparking wheel and closure cap to rotate said wheel and swing said closure cap upwardly to burner exposing position as the fingerpiece moves from its upper idle to its lower active position, said lighter also including a lever mechanism underlying the fingerpiece and sparking wheel, said lever mechanism extending from said fingerpiece past said sparking wheel to the fuel valve and interconnecting the fingerpiece with said valve to open the latter as the fingerpiece moves downwardly to actuate the first above-mentioned mechanism to rotate the sparking wheel and swing the closure cap upwardly as aforesaid.

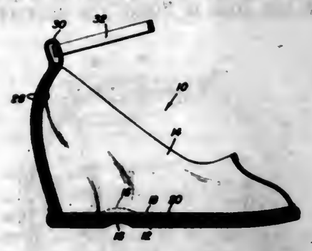
2,571,436
RIVET FEEDING TOOL
Louis Frank, Fellows, Calif.
Application January 15, 1949, Serial No. 71,097
9 Claims. (Cl. 78—46)



8. In a rivet feeding tool, a tube adapted to contain a row of rivets to be delivered from an end thereof in an end-wise manner, said tube being adapted to have rivets supplied to the interior thereof in an end-to-end row, said tube having a longitudinal slot extending through the side thereof, a carriage mounted upon the tool in a position to travel along said tube, means connecting said carriage with the interior of said tube so that advance of the carriage along the tube advances the row of rivets therein, and a wire spring carried by the delivery end portion of said tube, said spring having a rivet restraining arm at each end, said spring being shaped as a loop with a gap at one side, one of said arms being located at one side of said gap and the other arm being located at the opposite side of said gap.

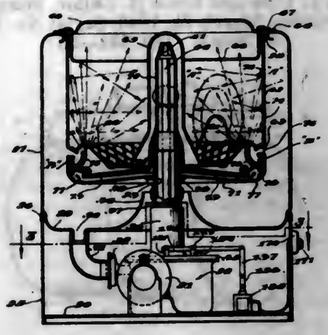
2,571,437
WATERPROOF OVERSHOE HAVING LOOPED COUNTER STRAP
Kenneth M. Gaetz, Stewartsville, Minn.
Application December 5, 1949, Serial No. 131,262
2 Claims. (Cl. 36—7.3)

1. A waterproof overshoe including a relatively stiff sole and a relatively limber upper, a doubled counter strap secured to inner and outer surfaces of the rear portion of said upper and projecting above the latter to provide a finger receiving loop, said counter having the ends there-



of terminating adjacent said sole, and an ankle strap extending through said loop.

2,571,438
CONVERTIBLE DISHWASHING AND CLOTHES-WASHING MACHINE
Andrew H. Gerhardt, Skokie, and Arthur P. Schulz, Hinsdale, Ill., assignors to Thor Corporation, a corporation of Illinois
Application June 14, 1944, Serial No. 540,332
28 Claims. (Cl. 134—115)

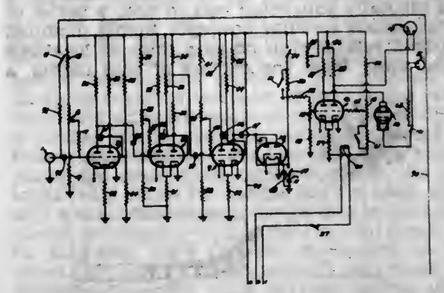


3. A convertible clothes washing and dish washing machine comprising a shaft adapted to drive a clothes agitator and a high speed rotary shaft, and dish washing mechanism including a dish holder and cooperative relatively movable liquid supply members for distributing washing liquid to the dish holder and driven respectively by said agitator shaft and said high speed rotary shaft.

2,571,439
SYSTEM FOR DETERMINING TUBE CHARACTERISTICS
Floyd M. Glass, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application March 10, 1950, Serial No. 148,999
9 Claims. (Cl. 315—368)

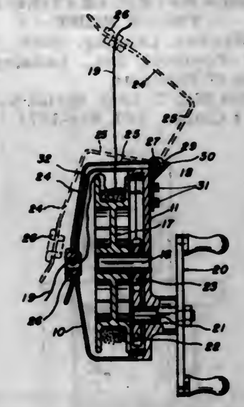
1. A system for determining the characteristics of a counter comprising a source for applying an energizing potential across the counter and for progressively increasing this potential over the voltage spectrum thereof, a pulse limiting and shaping circuit for receiving the output of the counter, means for rectifying the output

of the pulse limiting and shaping circuit, an integrating circuit coupled to the rectifying means,



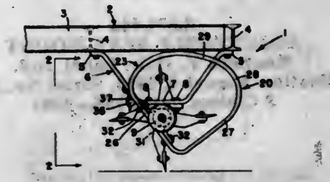
and means for recording the output of the integrating circuit.

2,571,440
FISHING REEL
Jacob M. Goldberg, Denver, Colo.
Application August 29, 1949, Serial No. 113,011
3 Claims. (Cl. 242—84.5)



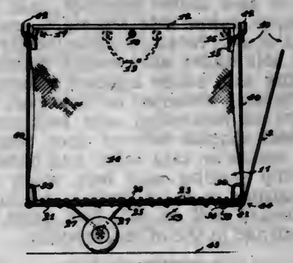
3. A fishing reel comprising a casing having opposite side walls and a peripheral wall connecting said side walls in spaced relationship, said casing being provided with a continuous slot which extends through the peripheral and a side wall of the casing, a line carrying spool rotatably mounted in the casing, means for manually rotating the spool, and line guide means comprising an arm bent between its ends to form a portion substantially parallel to the peripheral wall of the casing and another portion substantially parallel to the slotted side wall of the casing, a hinge pin rotatably mounted on the casing adjacent said peripheral wall, the guide arm being connected to said hinge pin to pivot therewith, a cam on the hinge pin, and a spring secured to the casing and bearing at its free end on said cam, the free end of the arm having a grommet therein through which the line passes, said arm being movable to a position wherein it overlies the peripheral wall and said slotted side wall of the casing and the grommet registers with the slot in said side wall, and pivotally movable to another position wherein the grommet is radially opposite the slot in said peripheral wall of the casing.

2,571,441
STALK CUTTER
Robert D. Griff, Rock Island, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 20, 1946, Serial No. 685,223
2 Claims. (Cl. 55—61)



1. An agricultural machine comprising a frame, a pair of brackets fixed thereto, a pair of ground engaging members rotatably mounted on said brackets, each of said members being swingable between upper and lower positions relative to the frame, an abutment carried by each of said pivoted members and each adapted to engage one side of said bracket when the implement is to be transported and to engage the other side of the bracket when the members are pivoted into a working position, the abutment on each member being located thereon so that the center of gravity thereof lies at the side of its axis of rotation opposite said other side of the associated bracket, whereby said member is normally retained thereby out of engagement with the ground until it is rotated in a direction to carry the center of gravity to a point on the other side of said axis.

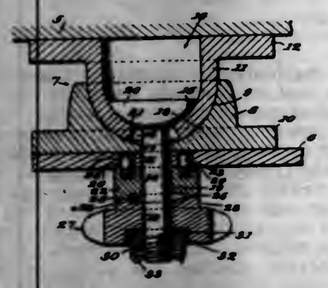
2,571,442
FLEXIBLE MOBILE RECEPTACLE
Benjamin F. Griffith, Wheeling, W. Va.
Application June 21, 1950, Serial No. 169,427
8 Claims. (Cl. 280—36)



1. A mobile receptacle comprising a cart including a platform and ground engaging wheels journaled therebeneath, supporting standards swingably connected to the corners of the platform, a flexible receptacle having a closed bottom and an open top, said closed bottom being disposed on and secured to the platform, and means loosely connected to the receptacle adjacent the corners of the open top and detachably engaging the upper ends of said standards to combine therewith to support the receptacle in substantially an upright, extended position, said receptacle bottom being longer and wider than the platform, said standards being swingable from upright positions relatively to the platform outwardly and downwardly to inoperative positions beneath the platform, and brace members rigidly connected to and rising from the platform and disposed to engage the standards when

the latter are in upright positions to prevent the standards from swinging inwardly of one another beyond upright positions for maintaining the receptacle in an extended, open position, said brace members cooperating with the flexible receptacle to support the standards in upright positions.

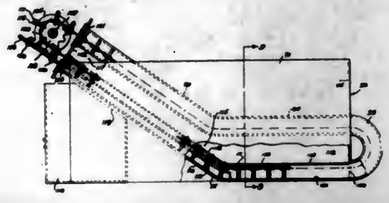
2,571,443
ADJUSTABLE SEAT MOUNT
Kenneth F. Hair, Lapel, Ind.
Application August 4, 1950, Serial No. 177,687
3 Claims. (Cl. 155—120)



1. A seat mounting means comprising a socket member and supporting means therefor, said socket member having an upwardly open substantially hemi-spherical socket, a stub for attachment to a seat, said stub having a convex substantially hemi-spherical lower end received in said socket, said stub having a recess which is provided with a concave lower end concentric with said socket and said lower end of said stub, said socket member and stub having alined openings, a bolt extending through these openings and having a head in the aforesaid recess, said bolt being of considerably less diameter than the opening of said socket member, said head having a convex lower side resting on said concave lower end of said recess, a collar loosely surrounding said bolt under said socket member, means for holding said collar against rotation, a hand wheel rotatably mounted on said bolt under said collar, thrust means on said bolt holding said hand wheel against descent upon said bolt, and coacting means on said collar and hand wheel for downwardly pulling said bolt when said hand wheel is turned in one direction and for releasing the downward pull on said bolt when said hand wheel is turned in the other direction.

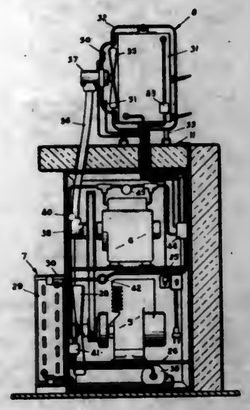
2,571,444
FLIGHT CONVEYER
Henry W. Hapman, Detroit, Mich., assignor of forty per cent to Hannah Jane Hapman, Detroit, Mich.
Original application October 12, 1944, Serial No. 558,424. Divided and this application November 12, 1947, Serial No. 785,268
2 Claims. (Cl. 198—168)

2. A flight conveyor comprising an approximately U-shaped conveyor conduit structure arranged substantially in a vertical plane and including upper and lower portions and an arcuate connecting portion extending between said upper and lower portions, said upper and connecting portions including a bent pipe, and said lower portion having an elongated trough-shaped bottom and an elongated top spaced above said bottom with elongated openings therebetween for the reception of descending material to be conveyed, an endless conveyor chain mounted in said conduit structure, said chain having a multiplicity of links pivotally connected end to end, a series of approximately circular conveyor flights mounted in spaced relationship on said links at locations spaced away from the centers of said flights, a



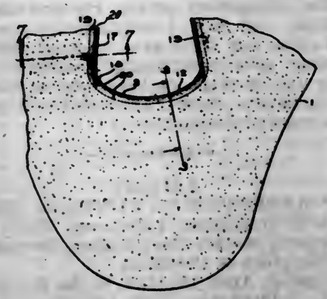
drive sprocket meshing with and drivingly engaging said chain, and a motor drivingly connected to said driving member, each of said flights including at least one reinforcing disc and an arcuate elastic deformable wear member secured to the margin of said disc and projecting beyond the periphery thereof.

2,571,445
REMOVABLE REFRIGERATING UNIT IN TRUCK BODY
Chester A. Hawkes, Lansing, Mich., assignor to Freezerver Products, Inc., Lansing, Mich., a corporation of Michigan
Application May 7, 1949, Serial No. 92,056
1 Claim. (Cl. 62—117)



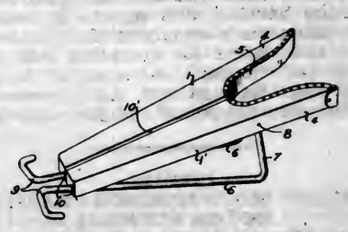
In a closed refrigerated truck body, the combination comprising: a pair of adjacent walls and a floor of low thermal conductivity forming a corner; a portable, elongated, rectangular frame structure for carrying a complete refrigeration unit, the said frame structure having its longest sides vertically disposed, two of said sides being nested against said adjacent walls of said truck body, whereby said two sides of said frame are closed by said adjacent walls of said track; an electric motor, an internal combustion engine, a compressor, a refrigerant receiving tank and associated connecting and control means all located within and supported upon said frame, and a fan supported and connected for rotation when either said motor or said engine are driving said compressor; means defining an opening through one of said adjacent walls of said truck axially aligned and in register with said fan and a condenser unit within said opening supported upon one side of said frame and also in register with and axially aligned with said fan; means defining a second opening in the other of said adjacent walls of said truck in register with the side of said frame adjacent thereto, and hinged and louvered means by which said opening may be opened and closed; panels of low thermal conductivity covering the sides of said frame remote from said adjacent walls of said truck body and a further similar panel covering the top of said frame; an evaporator and fan unit above said top panel and operatively connected with the parts within said frame for cooling the air space within said truck; whereby said device may be placed adjacent an opening in said wall of said truck with its insulated sides and end contacting at their edges only said adjacent walls of said truck, said condenser thereby being exposed to the atmosphere and said evaporator being within the uppermost air spaced to be refrigerated and all working parts within said frame being accessible from outside of said truck.

2,571,446
SHOE WITH ROLLED THROAT LINE
John Henkel, Baltimore, Md., assignor to Dixon-Bartlett Company, a corporation of West Virginia
Application July 31, 1947, Serial No. 765,181
3 Claims. (Cl. 36—45)



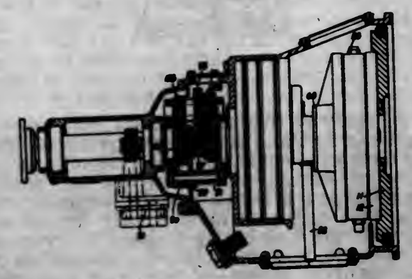
1. A shoe comprising an upper having integral vamp and quarter sections, the vamp section having an edged portion arranged to provide a resilient arcuate throat line, the edge of the vamp portion forming the throat line being slitted and turned under, the slits terminating well short of the throat line, a middle lining extending along each side of the upper quarter sections and having ends on each side extending under the inturned edge of the throat and terminating thereunder adjacent the ends of the throat line, the edge of the vamp portion, between the ends of the middle lining, being folded under directly upon itself to form a thin throat, the slitted edge fanning out, in fan formation, an inner lining for the upper cut to provide a throat substantially lower than and parallel to the throat line of said vamp section, said last named lining underlying the slitted edge of the vamp section and a seam spaced from the throat line passing through the vamp section, the middle lining and the slitted edge and uniting the vamp and inner lining below the throat line, the seam and linings limiting the extent of the individual resilience of the single fold of the vamp section, the vamp section thereby forming a firm, freely mobile, smooth arcuately continuous surfaced roll at the throat line.

2,571,447
COMBINED BOOTJACK AND BOOT HOOK
Charles G. Hilton, Amarillo, Tex.
Application September 4, 1946, Serial No. 694,723
7 Claims. (Cl. 223—115)



4. A combined boot jack and boot hook comprising elongated body members arranged in side by side relation and having yoke arms at one end thereof cooperating to form a boot jack, means detachably connecting said members together, and a stand on each member secured thereto and having a portion thereof forming a boot hook.

2,571,448
VARIABLE RATIO POWER TRANSMISSION APPARATUS
Howard Frederick Hobbs, Leamington Spa, England, assignor to Hobbs Transmission Limited, Leamington Spa, England, a British company
Application February 7, 1949, Serial No. 74,902
In Great Britain February 11, 1948
2 Claims. (Cl. 74—763)



1. A variable-ratio power transmission apparatus comprising a stationary housing, an input member, inner and outer intermediate concentric shafts, a reaction sleeve surrounding said outer intermediate shaft, an output member, a clutch unit including a rotary clutch housing carried by said input member, two friction clutch members carried by said inner and outer intermediate shafts respectively, and means actuated by fluid pressure for selectively and simultaneously engaging said two friction members with said rotary clutch housing, three sun-wheels of different sizes carried on the sleeve, the outer intermediate shaft and the output member respectively, the sun-wheel on said reaction sleeve being on the end thereof which is remote from said friction clutch members, a gear train including a cage carried by said inner intermediate shaft and a set of treble planetary pinions rotatably carried on said cage, each of said treble pinions consisting of three pinions connected together and meshing permanently with said three sun-wheels respectively, a brake unit

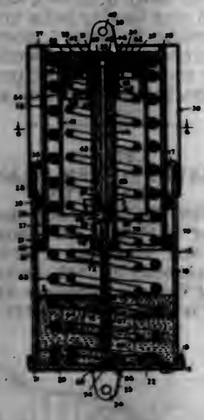
including a brake housing carried by said stationary housing, three friction brake members carried by said outer intermediate shaft, said reaction sleeve and said cage respectively, and means actuated by fluid pressure for selectively braking said three friction brake members with said brake housing, and means for separately and simultaneously supplying fluid under pressure to said means for operating said friction clutches and friction brakes so as to provide at least four forward and one reverse driving ratios between the input and the output members.

2,571,449

RESILIENT MOUNTING FOR CHASSIS OF MOTOR VEHICLES

Oliver K. Hobbs, Suffolk, Va.

Application December 22, 1948, Serial No. 66,654
9 Claims. (Cl. 267—60)



5. A resilient mounting device for vehicles, comprising first and second casings having their inner ends telescoping, a spring extending axially within the casings and having one end bearing against the second casing, a piston mounted within the first casing to move axially therein and form with the first casing a space for receiving fluid pressure, said piston bearing against the opposite end of the spring and having an axial opening, a barrel extending axially within the first casing and slideably mounted within the axial opening of the piston, said barrel having an opening in communication with said space, means to secure the barrel in place within the first casing, means to withdraw fluid from the second casing and introduce the same under pressure into the barrel including a plunger slideably mounted within the barrel, and means to by-pass the fluid under pressure from the barrel back to the second casing including a valve element secured to the second casing for movement therewith.

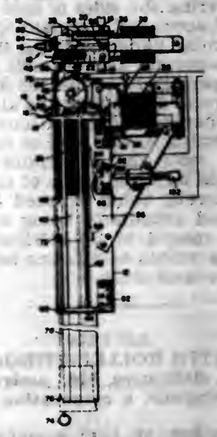
2,571,450

HAIRPIN DISPENSING APPARATUS

Edward F. Hughes, West Roxbury, Mass.

Application April 9, 1948, Serial No. 20,050
6 Claims. (Cl. 312—68)

2. Hairpin dispensing apparatus, comprising a pick-off support for a hairpin, a plunger slidably mounted for movements toward and from said support, resilient means biasing the plunger in direction away from the support, electrically responsive means for moving the plunger against its said bias in pin-delivering relation toward the pick-off support, means, open toward said plunger, for holding a stack of hairpins, a member mounted for sliding movements toward and from one end of said stack, resilient means biasing said member against the hairpin at one end of the stack whereby the endmost hairpin at the other end of the stack is urged into delivery relation to said plunger, said member being manually movable against its said bias in direction away from the plunger to permit replenishing of the said stack, and means responsive to each withdrawal of a pin from said pick-off support for energizing said electrically responsive means whereby the plunger delivers the adjacent endmost pin of the stack to the pick-off support to replace the withdrawn pin.

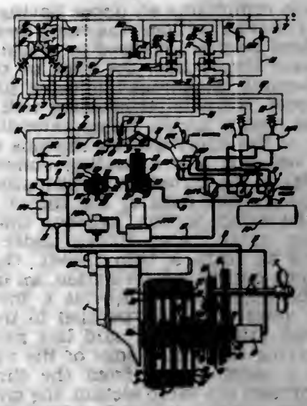


2,571,451

SHIP MANEUVERING CONTROL SYSTEM

Norman E. Humiston, Lakewood, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 19, 1950, Serial No. 156,767
14 Claims. (Cl. 115—34)



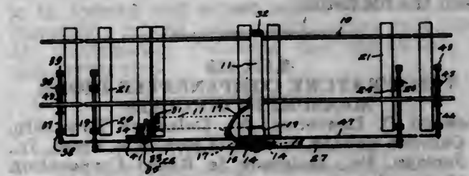
1. In control means for use with ship propulsion apparatus which includes an engine, a propeller, a forward fluid pressure operated clutch for connecting said engine to drive said propeller in the forward direction, and a reverse fluid pressure operated clutch for connecting said engine to drive said propeller in the reverse direction, each of said clutches being ineffective to connect the engine and propeller when the fluid in a chamber in the clutch is released and being effective to establish driving connection between the engine and propeller as the pressure of the fluid in said chamber is increased, each of said clutches being capable of transmitting the power developed by said engine substantially at the idling speed when the pressure of the fluid in the clutch chamber is at a predetermined intermediate value and being capable of transmitting the power developed by said engine at full speed when the pressure of the fluid in the clutch chamber is at a predetermined high value, said control means comprising a control member having an off position, said control member being manually movable from said off position in one direction to a forward position and being manually movable from said off position in the other direction to a reverse position, means effective when said control member is in said off position to release fluid under pressure from the chambers of both of said clutches and to cause said engine to operate at the idling speed, means effective when said control member is moved from said off position towards said forward position to supply fluid under pressure at a restricted rate to the chamber in the forward clutch until the pressure in said chamber is substantially at the predetermined intermediate value and to thereafter supply fluid under pressure at a rapid rate to said chamber until the pressure in said chamber is substantially at the predetermined high value, means effective when said control member is moved from said off position towards said reverse position to supply fluid under pressure at a restricted rate to the chamber in the reverse clutch until the pressure in said chamber is substantially at the predetermined intermediate value and to thereafter supply fluid under pressure at a rapid rate to said chamber until the pressure in said chamber is at the predetermined high value, and means for increasing the speed of said engine in accordance with the extent of movement of said control member away from said off position in either direction provided the pressure of the fluid in the chamber of the clutch for the direction in which the control member has been moved away from the off position is substantially at said predetermined high value.

2,571,452

AUTOMATIC GATE LATCH

Claud M. Hunter and William Wilson Wingo, Wilburton, Okla.

Application March 9, 1949, Serial No. 80,508
1 Claim. (Cl. 39—34)



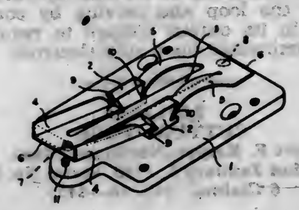
In a latch release mechanism for a vertically disposed hinged swinging door, a latch post positioned at the extremity of the path of movement of said door in open position, a latch at the top of said post engageable with said door; a crank arm pivotally mounted on said post and connected to said latch, a pair of pulley members attached to said post adjacent its base, a pair of flexible members secured to said crank arm; one extending about each pulley and in opposite directions, an additional crank arm pivotally mounted at ground level on each side of said latch post and at a substantial distance therefrom, one of said flexible members extending to each crank arm and spring means normally biasing said crank arms to vertical position, whereby depression of either of said last mentioned crank arms by a vehicle passing thereover will act through its associated flexible member to release said latch.

2,571,453

ELECTRIC SWITCH

Harold Ernest Jackson, Great Barr, Birmingham, England, assignor to Cyril Kieft and Company Limited, Bridgend, Wales

Application April 30, 1949, Serial No. 90,659
In Great Britain May 10, 1948
18 Claims. (Cl. 200—67)



1. A snap action switch device which comprises a resilient operating member having both its ends free to move, support means, rigid arms each connected at one end to said operating member and each having its free end pivoted on said support means with the free ends of the arms disposed at a common level, springs in compression each connected at one end to said operating member and having its free end pivoted on said support means with the free ends of the springs disposed at a common level, the said rigid arms and the said springs respectively extending in opposite directions towards one another from their positions of connection with the operating member with the pivoted ends of the rigid arms spaced from the pivoted ends of the springs and force applying means engaging the portion of the operating member intermediate the positions of connection of the rigid arms and the springs respectively with the operating member and arranged to apply a variable unidirectional force to move the said intermediate portion of the operating member into and from a position in which said intermediate portion extends between the pivoted ends of the rigid arm and the pivoted ends of the springs and to hold the intermediate portion in said position.

2,571,454

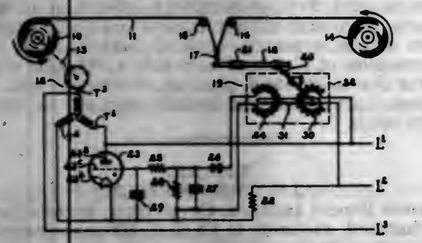
SPEED CONTROL FOR ELECTRIC MOTORS

Jesse E. Jones, Wauwatosa, and James B. Reeves, Whitefish Bay, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 2, 1948, Serial No. 36,718
4 Claims. (Cl. 318—6)

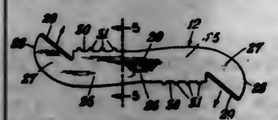
1. In combination, a polyphase induction motor for imparting movement to material having a loop path, the primary of said motor having at least three terminals for connection to three lines of a supply circuit, an electron tube connected between two of said motor terminals and serving while conducting to effect voltage un-

balance of the motor primary for motor speed reduction, said tube having a control electrode, and means controlling said tube through the medium of said electrode to render conduction by said tube a function of variation in length of



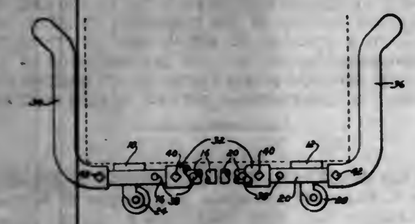
the loop of the looped material, said means comprising a transformer adjustable in respect of magnetic coupling of its coils by variation in length of the loop and serving by consequent variation in its output voltage to regulate the potential impressed upon said electrode.

2,571,455
CUTTING TOOL
Bert F. Keiper, Needham, Mass.
Application January 5, 1949, Serial No. 69,269
6 Claims. (Cl. 30—347)



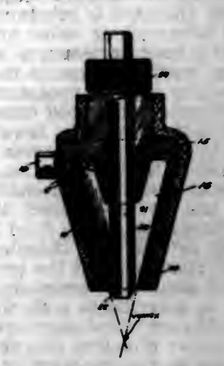
1. A cutter blade for a grass cutting tool, comprising a flat, longitudinally extending body adapted to be rotated about an axis centrally of the length thereof said body having sharpened portions along the leading edges thereof and fingers extending from said body substantially normally thereto.

2,571,456
TRUCK FOR DEEP FREEZERS
Edith Kolin, Dew City, Iowa
Application July 10, 1950, Serial No. 172,965
1 Claim. (Cl. 280—34)



In a deep freezer truck, the combination which comprises a pair of transversely disposed parallel horizontally positioned platforms, longitudinally disposed parallel tubular rails with spaced notches in the surfaces under each end of each platform and positioned perpendicular to the platforms, depending flanges extended from the sides of the platforms and having arcuate recesses in the ends abutting the rails, said rails being nested in the arcuate recesses of the flanges of the platforms providing means for securing the rails to the platforms, the rails of one platform being aligned with the rails of the other platform and said rails being positioned end to end, tubular telescoping side rails with set screws therein positioned over the substantially meeting ends of the said rails extended from the platforms, said tubular side rails positioned with the set screws thereof in registering relation with the notches of the rails of the platforms whereby each platform is adjustably connected to the side rails and may be adjusted independently in relation to a load carried by said rails, vertically positioned U-shaped tubular handles having horizontally disposed lower ends with set screws therein positioned with the said lower ends extended over the ends of the rails whereby the handles extend upwardly from opposite ends of the truck and are removably attached to the ends thereof.

2,571,457
METHOD OF SPINNING FILAMENTS
Rolf Karl Ladisch, Drexel Hill, Pa.
Application October 23, 1950, Serial No. 191,672
16 Claims. (Cl. 18—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

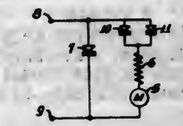


1. A method of forming entangled masses of filaments characterized by causing an elastic fluid to spiral in a path which is in the shape of a hollow cone towards the vertex of the cone at a very high velocity, and causing a filament-forming liquid to flow in a liquid stream toward said vertex in a path coincident with the axis of the cone, said liquid flow being in the same general direction as the progressive movement of the spiraling elastic fluid and the spiraling fluid contacting the liquid stream near the vertex to form the filaments.

2,571,458
TEMPERATURE COMPENSATED DIODE MEASURING CIRCUITS
Howard C. Lawrence, Jr., Delaware Township, Camden County, N. J., and Robert B. Freas, Jr., Jermyn, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application January 6, 1948, Serial No. 726
7 Claims. (Cl. 171—95)

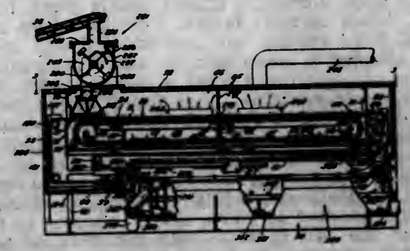
1. An electrical measuring apparatus comprising, in combination, an input means, a current responsive device, a first rectifier element having a predetermined area connected in series between said input means and said current responsive device, and a second rectifier element

having an area smaller than the first rectifier element connected in shunt and in the same polarity as said first rectifier element across the combination of said first rectifier element and



said device, whereby the resistance across the second rectifier will be high while the voltage across it is low and the resistance across it will be low as such voltage increases.

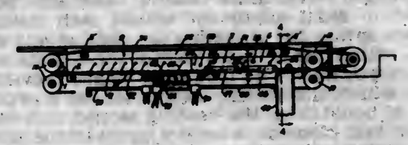
2,571,459
METHOD OF AND APPARATUS FOR PRODUCING DRIED WHOLE EGGS
Wesley N. Lindsay and Paul C. Wilbur, San Jose, Calif., assignors to Food Machinery and Chemical Corporation, a corporation of Delaware
Application November 5, 1945, Serial No. 626,826
8 Claims. (Cl. 159—48)



7. The method of reducing a liquid food to a relatively stable low moisture powder with little damage to eating quality, which comprises continuously spraying said liquid food into heated air to convert said food into a powder having a relatively high moisture content, distributing said powder in uniformly loose condition and substantially uniform depth along one edge of a given treating area to generate a bank of said powder, moving successive banks of said powder continuously away from said edge and towards said area to cover said area, passing hot air through said banks throughout said area in a substantially closed circuit and constantly drying said air in order to reduce the moisture content in said powder while said banks continue to be formed and moved across said area, and thoroughly mixing and rapidly cooling said powder immediately following the completion of said drying step.

2,571,460
BAG CLOSING MACHINE
Frank F. Lindstaedt, San Anselmo, and Charles Fischer, Corte Madera, Calif.
Application February 2, 1946, Serial No. 645,044
3 Claims. (Cl. 93—6)

3. In a machine of the character described, means for cooling the sealed end of a bag, comprising a series of alined anvils arranged in longitudinally spaced relation and having flat sections and downwardly curved guide lips, means for guiding the sealed end of the bag to pass over the anvils, and a leaf spring cooperating with each anvil in urging the bag end upon the



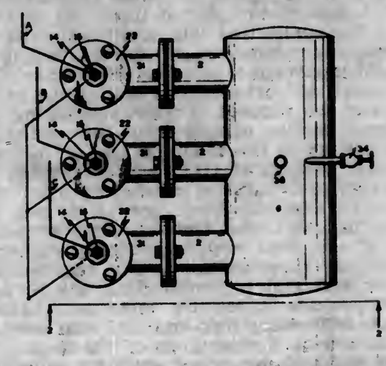
same and operable to serve as a means for conducting heat away from the sealed end.

2,571,461
TOURNIQUET
Walter R. Livingston, Upper Darby, and Burton W. Hancox, Springfield, Pa.
Application December 30, 1949, Serial No. 136,982
4 Claims. (Cl. 128—327)



3. In a tourniquet, a flexible non-elastic band, a resilient inflatable tube secured to the inner periphery of said band, said tube having a relatively thick flat annular wall adjacent the band and a relatively thin annular wall formed integrally with said relatively thick wall and joined thereto by gradually tapering end walls integral with said thick and thin walls and which gradually decrease in thickness from said thick wall toward said thin wall, said thin wall adapted to press against the patient's anatomy, whereby rolling of the tourniquet on the patient's anatomy is prevented, and valve means connected to said tube for inflating and deflating the same.

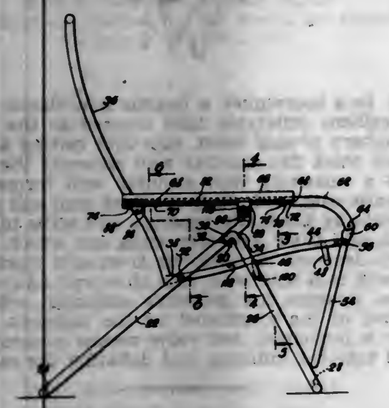
2,571,462
ELECTRIC STEAM GENERATOR
Ralph W. Lohman, Portland, Oreg.
Application January 10, 1949, Serial No. 70,068
2 Claims. (Cl. 219—39)



1. In an electric boiler, a plurality of tubular upwardly-extending heating sections, an insulat-

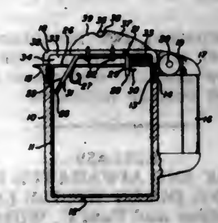
ing lining covering the entire interior surface of each heating section, a single, integral, tubular, open-ended, resistance-heating element positioned in axial alignment within each heating section, means for mounting the ends of said element within and near the ends of the heating section respectively, said mounting means providing ports within the heating section for the free passage of liquid from the heating section into each end of said element, whereby liquid in the heating section will have unrestricted contact with the inner and outer surfaces of said element, an electrical conductor at each end of the heating section connected with the respective mounting means and respective end of said element and having a terminal on the outside of the heating section, a vapor drum, a connection, insulated on its interior surface, leading from the upper end of each of said heating sections to said drum, and similar insulated connections leading from said drum to the lower ends of said heating sections respectively.

2,571,463
FOLDABLE RECLINING ARTICLE OF FURNITURE
Anton Lorenz, Buffalo, N. Y.
Application May 22, 1945, Serial No. 595,115
9 Claims. (Cl. 155—105)



1. A foldable reclining article of furniture, comprising: a foldable support, a pair of links including a seat and a back-rest pivotally connected with each other, a pivotal connection between a link of said pair of links and said support, a top connecting link, a shiftable and pivotal connection between said top connecting link and said support at a point spaced from said pivotal connection between the link of the pair of links and the support, a front connecting link, the lower portion of said front connecting link being pivoted to the front portion of said seat, the upper portion of said front connecting link being pivoted to said top connecting link, a rear connecting link, the lower portion of said rear connecting link being pivoted to an intermediate point of said back-rest, a shiftable connection between the upper portion of said rear connecting link and said top connecting link so as to render possible a relative movement between said top connecting link and said rear connecting link during a setting-up of the article, the axis of said last-mentioned shiftable connection being eccentric to the pivotal connection between the rear connecting link and the back-rest, and an abutment arranged on said top connecting link for engagement with said rear connecting link when the back-rest of the set-up article is moved rearwardly.

2,571,464
COMBINED CAN OPENER AND PITCHER
Frank S. Manner, Waterbury, Conn.
Application June 24, 1948, Serial No. 34,919
3 Claims. (Cl. 222—83.5)



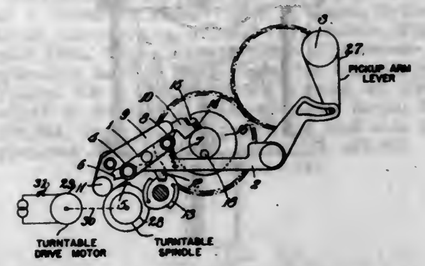
1. In a combined can opener and pitcher, a container adapted to receive a sealed can, a cover for said container swingably connected to the outer edge thereof, a duplex, single piece, integral, cutter member formed from flat sheet material fixed against the underside of said cover and adapted to pierce pouring and vent openings in the can when said cover is closed downwardly against said container, said duplex cutter member comprising a forward obliquely-depending V-shaped cutting knife portion adapted to pierce a V-shaped pouring opening in the top of the can at a point contiguous to its edge and a rearward vertically-depending vent-cutting element portion adapted to pierce a vent opening in the top of the can at a position rearward of said pouring opening, said cover having an open-ended pouring slot adjacent said V-shaped cutting knife portion.

2,571,465
ADJUSTABLE CAKE CUTTER
John W. McDevitt, Davenport, Iowa
Application November 7, 1947, Serial No. 784,728
4 Claims. (Cl. 30—114)



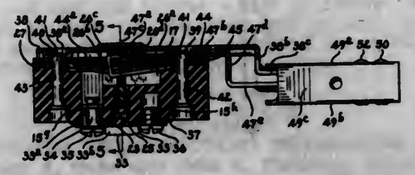
3. In a cake cutter comprising a triangular plate with upturned back formed integral therewith and a handle rigidly united to the back, angle members united to the back at opposite ends thereof, each including a rear arm or wing parallel to and slidable along the back and a forwardly extending arm or wing, a set screw and slot arranged to secure each rear arm in adjusted position upon the back, cutting blades arranged in V-shape pivotally united to the forwardly extending wings of the angle members and extending forwardly therefrom, upwardly extending arms united to the opposite cutting blades, and a rest carried by the handle to support the arms when the cutting blades are swung into position perpendicular to said plate, said set screws and slots serving to adjust the cutting blades to widen or narrow the space at the rear end thereof.

2,571,466
APPARATUS FOR AUTOMATICALLY PLAYING GRAMOPHONE RECORDS
Clifford Metcalfe, Ruislip, and Alexander James Rae, Southall, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application October 30, 1946, Serial No. 706,612
In Great Britain November 5, 1945
6 Claims. (Cl. 274—15)



6. Automatic record playing apparatus having a tap-tap mechanism comprising a pickup arm lever, a trip lever pivotally mounted in frictional engagement with said pickup arm lever, means including a tap-tap lever pivotally mounted on said trip lever, a turntable spindle and drive motor, a cycling mechanism, a clutch interposed between said turntable spindle and said cycling mechanism and adapted to become engaged through vertical movement upon tripping of said tap-tap lever to couple the turntable spindle to said mechanism for effecting the automatic cycling of said apparatus, a switch for said motor, and means operative when said switch is actuated to switch off said motor to disengage said clutch whereby said turntable spindle is uncoupled from said mechanism.

2,571,467
ELECTRIC SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 29, 1948, Serial No. 57,378
7 Claims. (Cl. 200—153)



1. In combination, a molded insulating base having formed therein a main recess and an auxiliary T-shaped recess of relatively shallow depth jointly opening to one surface of said base and said recesses being otherwise closed, said first mentioned recess communicating with said T-shaped recess, a flexible elastic sheet overlying the upper surface of said base to afford a substantially dust-tight closure for said recesses, said sheet having a relatively small opening formed therein, a one-piece punched and stamped sheet metal cam member having a flat T-shaped portion positioned within said T-shaped recess for pivotal support thereby, a second portion extending from said T-shaped portion and projecting outwardly with a snug fit through the opening in said sheet, a third portion extending from the outer end of said second portion in overlying relationship to said portion first mentioned, and a fourth portion extending from said third portion toward said portion first mentioned, stationary and movable contacts positioned within said first mentioned recess, means for normally biasing said movable contacts into a given relationship to the stationary contacts, an insulating member continuously engaged by the movable contacts and continuously engaged with the first mentioned portion of said cam member, a cover plate overlying said sheet and said insulating base, and fastening means securing said cover plate, said sheet and said base in assembled relation.

2,571,468
CANTILEVER SHIFTABLE SWITCH BLADE
Edwin August Miller, Fairfield, Conn.
Application October 22, 1947, Serial No. 781,333
4 Claims. (Cl. 200—67)

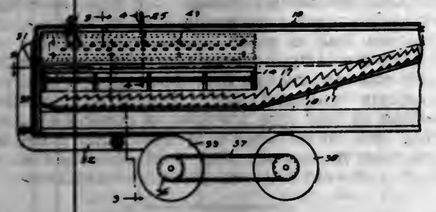


1. A snap switch comprising a casing having a support and a switch blade, said blade having two oscillating members of which one member is securely mounted upon said support and the other member is provided along its length with an opening therethrough; contacts with which the forward end of said other member is provided; a spring having one end secured to and bodily located at the rear of said support said spring connecting one end of each of said members and providing for the member not securely mounted a limited floating and longitudinal movement against a forced compression of said spring; a pair of stops adjacent each end of the unsecurely mounted member limiting oscillating movement thereof; a tiltable rigid link extendingly hinged to the free end of the securely mounted member and to the forward end of the said other member at said opening, the normal forwardly position of said other member not being sufficient to allow the extendingly hinged member to pass into said opening during the normal tilted position of said link until manually forced therethrough and thereby changing the position of said other member longitudinally forward against the pressure of said spring; and means for manually moving said extendingly hinged member whereby the free extremities of both members are oscillated in opposite directions with a snap action to engage one of said contacts with one of said stops.

2,571,469
COMBINE MACHINE
William M. Miller, Junction City, Oreg.
Application January 14, 1948, Serial No. 2,231
2 Claims. (Cl. 130—27)

2. In combination, a thresher having an elongated separator housing in which are mounted longitudinally extending separating means, said housing having a closed end, a discharge drum rotatable at one side of the housing and extending from adjacent said closed end, an elongated opening extending longitudinally and along said one side of the housing and communicating with said drum for discharging grain and straw therethrough onto the separating means, a plurality

of openings formed in said separator housing at said one side in spaced parallel relation to said elongated opening, said plurality of openings being disposed above and adjacent said separating means, an air duct extending lengthwise



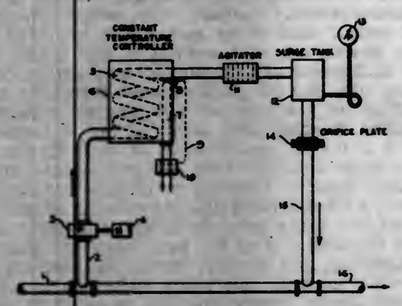
of said drum in communication with said plurality of openings, fan means supplying air to said duct adjacent said closed end of the housing, and a longitudinally adjustable valve plate disposed over said plurality of openings having spaced apertures for registry therewith.

2,571,470

CONTINUOUS DETERMINATION OF FLUID MIXTURE COMPOSITIONS

William E. Milligan, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application April 17, 1948, Serial No. 21,676
4 Claims. (Cl. 73—53)



4. Apparatus for continuously determining the proportion of a volatile constituent of a mixture of liquids comprising, in combination, a positive-displacement pump, means for operating said pump at a constant speed, temperature regulating means for bringing liquids pumped by said pump to a constant temperature, a fixed flow resistance connected to the outlet of said pump, a surge chamber connected between said pump and said flow resistance, and gage means for indicating the pressure difference between opposite sides of said resistance, said difference being greater as the proportion of said volatile constituent increases.

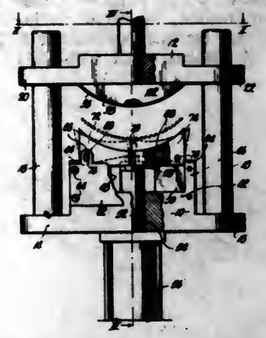
2,571,471

APPARATUS FOR MANUFACTURE OF TYPE FONTS

De Forest F. Neely, Kansas City, Mo.

Application November 8, 1948, Serial No. 58,873
3 Claims. (Cl. 101—401.5)

1. A machine for forming raised type on one face of an arcuate metallic blank, said machine comprising a pair of opposed die members mounted for relative shifting movement toward and away from each other, said die members having complementary arcuate faces, one of said die members having type formed in intaglio on the arcuate face thereof, for producing said raised



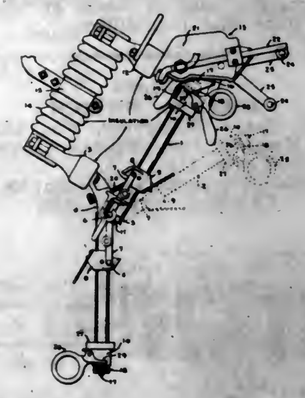
type when the blank is pressed between the die members, said one die member being segmental; and means for swingably mounting the segments of the one die member for movement to and from an operative position forming said arcuate face thereof.

2,571,472

SHORT-CIRCUITING FUSE CONSTRUCTION

Rolland D. Nelson, Hales Corners, Wis., assignor to McGraw Electric Company, a corporation of Delaware

Application May 15, 1946, Serial No. 669,816
1 Claim. (Cl. 175—294)



A short-circuiting fuse construction comprising a pair of fuse assemblies, each fuse assembly including an upper load terminal and a lower line terminal, a fuse tube supported from said lower terminal and arranged for drop-out motion, a fuse link in each fuse tube normally restraining the fuse tube from drop-out motion, each fuse assembly having a bell crank lever pivoted on the upper terminal and provided with a short-circuiting bar at one end arranged to short-circuit the upper terminals, said shorting bar biased towards short-circuiting position, and an insulating collar carried by each fuse tube and arranged to engage the other end of the corresponding bell crank lever to hold said shorting bar in open circuit position when said fuse tube

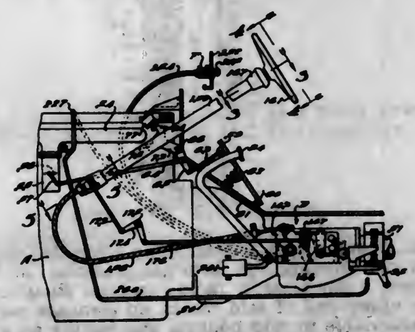
is in restrained position, each collar being arranged to move its corresponding short-circuiting bar to open position when the corresponding fuse tube is moved to operative position and prior to the time that such fuse tube arrives at operative position.

2,571,473

SHIFT CONTROL AND SERVO ACTUATING MEANS FOR POWER TRANSMISSIONS

Carl A. Neracher and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application June 26, 1942, Serial No. 448,544, now Patent No. 2,426,234, dated August 26, 1947, which is a division of application Serial No. 399,884, June 26, 1941. Divided and this application July 13, 1946, Serial No. 683,546
16 Claims. (Cl. 74—472)



1. In a vehicle power transmission having a member shiftable from neutral to a high-speed position and to a low-speed position, a vacuum motor for shifting said member including a chamber having a piston therein adapted to be moved to low-speed position by the action of a spring and to high-speed position by admission of vacuum into said chamber on one side of said piston; a piston rod connected with said piston; a switch disposed for operation by said piston rod and adapted to ground the vehicle ignition system thereby to facilitate shift of said member from high-speed to low-speed position, said switch including a plunger in contact with said rod and said rod having a pair of grooves disposed in such relation with said plunger that said switch is ineffective to ground the ignition when said rod is in neutral position.

2,571,474

POWER-TRANSMITTING MECHANISM

Sidney A. Ochs and Otto E. Fishburn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application July 29, 1947, Serial No. 764,410
25 Claims. (Cl. 192—53)



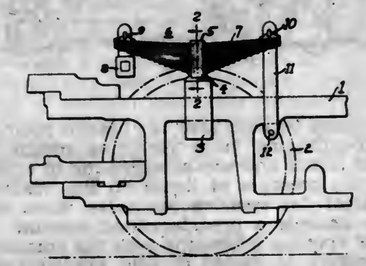
1. In a transmission clutch the combination of an inner member, an outer member, a first intermediate section non-rotatably carried by said inner member and connected through interlocking tongues and grooves with said outer member, and a second intermediate section having a lost motion connection with one of said sections and said inner member permitting a small amount of relative rotation between said sections and connectible through interlocking tongues and grooves with said outer member; said outer member being shiftable to a position of connection with said second section and disconnected from said first section whereby a driving relationship is established between said members through said second section; the tongues of said outer member when in said driving relationship being adapted to become rotatably overlapping relative to the tongues of said first section upon torque being applied through said second section to take up said relative rotation whereby the said overlapped portions of said tongues of said first section serve to block disengaging movement of said outer member relative to said second section.

2,571,475

LEAF SPRING BAND CONSTRUCTION

Michael V. O'Donnell, Pittsburgh, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey

Application December 1, 1945, Serial No. 632,161
1 Claim. (Cl. 267—52)



A spring band for retaining a stack of spring plates in integral assembly, comprising a substantially rectangular tubular member consisting of a rectangular metal strip of uniform thickness, shaped into said tubular contour with the opposite edges of said strip butt welded together, a metal filler plate of uniform thickness disposed within said tubular member and spanning the full aperture width thereof and extending the full length thereof in overlapping relation to said butt weld, said plate being welded to said tubular member, and said plate being of a thickness preselected to provide a resulting inner aperture of said tubular member conforming substantially in cross-section to the cross-section of the spring plate assembly to be retained therein.

2,571,476

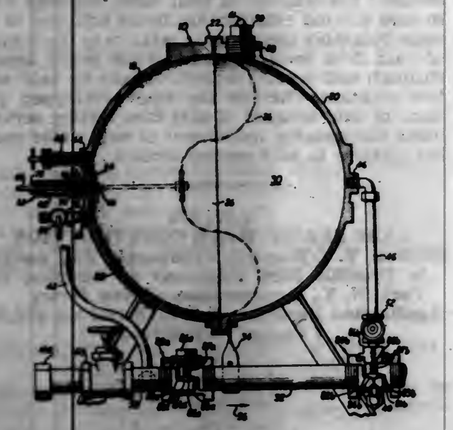
FLUID MIXING SYSTEM

William V. Offutt, Downey, Calif.

Application November 19, 1947, Serial No. 786,971
8 Claims. (Cl. 299—85)

1. In a liquid mixture dispenser having wall structure defining a closed vessel, a movable member separating said vessel into first and second chambers, an inlet and an outlet in said vessel communicating respectively with said first and second chambers, liquid forced into said inlet acting to displace said movable member to change the relative sizes of said chambers whereby liquid solute contained in said second chamber is forced out of said outlet, a flow pipe adapted to carry fluid in a stream from one end thereof to the other end thereof and having a

first branch opening at a relatively upstream position and a second branch opening at a relatively downstream position, both said branch openings lying between said pipe ends, and means defining first and second passages respectively connecting said first and second branch openings with said inlet and said outlet, the improvement which comprises the combination therewith of: a self-adjusting valve connected in



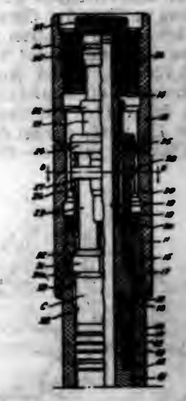
said flow pipe between said two branch openings, said self-adjusting valve including means defining an orifice and means operating in opposition to the pressure of liquid on the upstream side thereof for opening the valve when such pressure exceeds a predetermined amount, the degree of opening increasing with the amount of such pressure in excess of said predetermined amount.

2,571,477
WINDOW ADJUSTMENT
Fred C. Osten, Sr., Detroit, Mich.
Application December 12, 1949, Serial No. 132,544
4 Claims. (Cl. 20—12)



3. In a window adjustment of the class described, adapted for use with a window frame having sashes slidably mounted therein and provided with guide strips for engaging the opposite sides of the sashes, one of said guide strips being moved inwardly and outwardly; an engagement strip positioned inwardly of said movable guide strip and movable toward said window sashes for forcing said guide strip into close relation with said sashes; a supporting plate for supporting said engagement strip; an arm projecting from said supporting plate and extending inwardly of said frame; a rockable arm positioned inwardly of said frame and adapted upon rocking in one direction for moving said arm toward said sash and upon rocking in the opposite direction for moving said arm away from said sash; and a threaded mechanism for rocking said rockable arm in either direction at will.

2,571,478
WELL DEVICE
Herbert C. Otis, Dallas, Tex.
Application June 10, 1949, Serial No. 98,253
32 Claims. (Cl. 166—2)

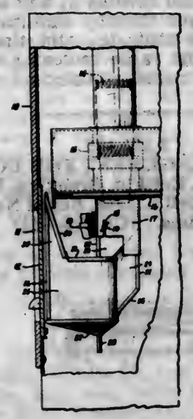


1. A well device including, an elongate tubular housing having an internal annular locking recess, a downwardly facing annular shoulder at the upper end of said recess, an elongate carrier positionable in said housing and having an axial flow passage therethrough and expander means extending along a portion of its length, a dog collar slidable longitudinally on the carrier, dogs expansibly suspended from the dog collar and having bosses at their lower ends, an upwardly facing stop shoulder at the lower end of the locking recess and engageable with the bosses on the dogs for limiting downward movement of the locking means in the housing and to position the dog bosses in registry with the locking recess, expander means on the carrier for expanding the dog bosses into locking engagement with the downwardly facing shoulder in the locking recess upon upward movement of the carrier with respect to the locking means, the carrier being movable downwardly a limited distance with respect to the locking means when the dog bosses are in engagement with the upwardly facing stop shoulder at the lower end of the locking recess, and means on the carrier for engaging the locking means after such limited movement to prevent further downward movement of the carrier with respect to the locking means.

2,571,479
CUP GUIDING DEVICE
Regis E. Parks, Brooklyn, N. Y., assignor to Spacarb, Inc., New York, N. Y., a corporation of Delaware
Application February 19, 1948, Serial No. 9,561
7 Claims. (Cl. 193—2)

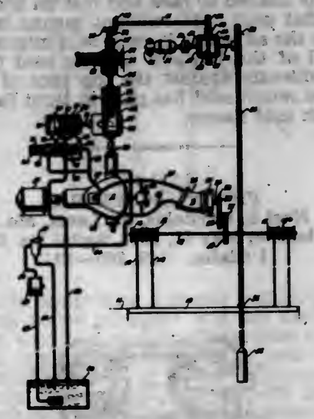
1. A cup guiding device comprising, in combination, a vertical chute having front and side walls, an inclined bottom wall to be engaged by the bottom edge of a cup falling through said chute, and a shoulder on each said side wall extending into the chute, parallel to said bottom wall, and adapted to engage a cup sliding down said bottom wall adjacent the upper edge thereof and maintain it

vertical, said front wall having a curved lower edge plotted to lie closely adjacent the upper edge



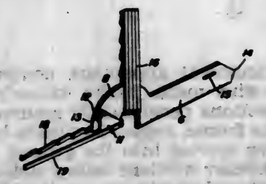
of a cup throughout its travel as it slides downwardly along said bottom wall and shoulders.

2,571,480
CONTROL APPARATUS
Joseph C. Patterson, Jr., Washington, D. C.
Application December 31, 1948, Serial No. 68,592
6 Claims. (Cl. 60—53)



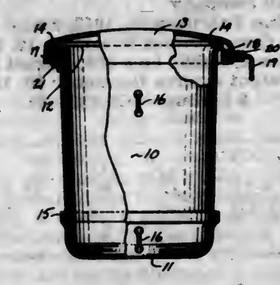
6. Control apparatus including a load, a motor, a hydraulic transmission between said load and motor, said transmission being adjustable from zero output to a maximum output, an adjusting member for adjusting said transmission, a connecting rod comprised of telescoping elements normally resiliently biased to a predetermined relative position, a differential gearing system including two input elements and an output element, one of the telescoping elements including a screw jack, means connecting the output element of said differential gearing system to operate the screw jack to adjust the effective length of the respective element, the other end of said telescoping elements being connected to said adjusting member, means connecting one of the input elements of the differential gearing system to the load, a torque motor of drooping speed characteristics connected to the other input element of the differential system, a cam acting on the telescoping element connected to said adjusting member to modify the normal relative position of the telescoping elements and means responsive to variation from a normal pressure range in said transmission for moving said cam.

2,571,481
BOBBY-PIN DISPENSER AND SPREADER
Lawrence O. Peguero, Beaumont, Tex.
Application November 4, 1949, Serial No. 125,410
3 Claims. (Cl. 132—1)



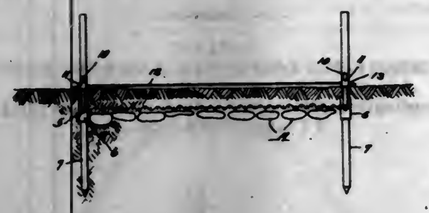
1. A bobby-pin dispenser and spreader comprising a substantially flat handle for slidably supporting the rear ends of a plurality of bobby-pins thereon, a hook at one end of the handle onto which a number of the pins are adapted to be moved and held in a dispensing position, and a pair of parallel bobby-pin spreader blades at the outer end of the hook spaced apart and offset outwardly of opposite sides of the hook for spreading the jaws of the pins as the same are moved off the hook.

2,571,482
CONTAINER
William T. Pettit, Youngstown, Ohio
Application September 26, 1945, Serial No. 618,666
1 Claim. (Cl. 220—31)



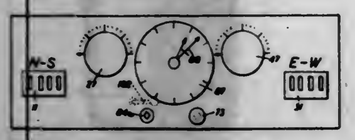
In a container having a cylindrical body including a bottom section affixed thereto, means for supporting a closure with respect thereto, said means including an upturned projecting member formed on the outside of the said cylindrical body and near the upper edge thereof, a closure for the said container comprising a flanged circular disc of a diameter greater than the outer diameter of the upper edge of the said cylindrical body and having an inturned and downturned hook formed on the inside of the flange of the said disc and adapted to engage the said upturned projecting member on the outside of the said container at all times so as to hold the closure in open and closed position on the container.

2,571,483
APPARATUS FOR USE IN PLANTING SWEET POTATOES
Marion Roscoe Pope, Broken Bow, Okla.
Application September 9, 1946, Serial No. 695,713
1 Claim. (Cl. 47—32)



An agricultural apparatus, comprising a rectangular wire mesh frame embodying vertical tubular sections permanently secured at the corners of the frame, supporting posts having pointed ends for driving into the ground surface, said vertical tubular sections being slidably mounted on the posts, adjustably supporting the wire mesh frame on said posts, means for securing the wire mesh frame in its positions of vertical adjustment on the posts, said wire mesh frame being embedded under the ground surface resting on seed potatoes planted under the ground surface, holding the seed potatoes against displacement, gauge pipes rising from the ends of the frame, vertically movable collars mounted on the gauge pipes and single gauge wire stretched between the collars resting on the ground surface, indicating the depth of soil over the wire mesh material.

2,571,484
COMPUTING OR INDICATING APPARATUS
Hugh Lambert Reilly, Frank Herbert Scrimshaw, and Peter Charles Lambert, Farnborough, England, assignors, by mesne assignments, to Kelvin & Hughes Limited, Glasgow, Scotland, a British company
Application February 26, 1948, Serial No. 11,024
In Great Britain December 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 10, 1966
4 Claims. (Cl. 235—61)



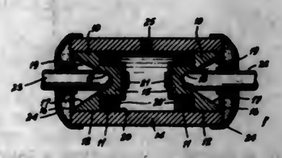
1. A computing apparatus comprising a value indicator for indicating a computed value, a gearing device having first and second input members and an output member, connecting means connecting said output member to said indicator, a variable ratio gear having an input element, an output element operatively connected to said second input member and a ratio adjusting member, a constant speed drive device, drive transmitting means for transmitting drive from said device to the first said input element, a variable drive device, means for connecting said variable drive device to said first input member, an adjusting element, means connecting said element to the said ratio adjusting member for adjusting the gear ratio of said variable ratio gear, a time indicator, means connecting said time indicator to said drive transmitting means, a correction element, and means controlled by said correction element for applying motion forward and reverse at will to said drive transmitting means thereby simultaneously operating the value indicator and time indicator so as to correct the value indicator for a period indicated by the rapid adjustment of the time indicator.

2,571,485
MIRROR ARRANGEMENT FOR COMPACTS
Augusta G. Reiskin, Brooklyn, N. Y.
Application April 6, 1948, Serial No. 19,369
6 Claims. (Cl. 132—83)



5. In a compact having a bottom, open topped cup and an inverted top cup having an open bottom pivotally connected to one another so that the top cup closes the open top of the bottom cup with its top wall spaced slightly above the open top of the bottom cup, an inwardly directed flange formed about the open top of the bottom cup, a flat part pivotally positioned between the cups to rest on the top face of said flange in the closed position of the cups, a mirror movably positioned within the top cup and having one side arcuately shaped to face and rest on the top face of the flat part, and resilient means interposed between the adjacent faces of said mirror and the top wall of the top cup causing said mirror to bear resiliently against the top face of said flat part and retain said flat part in tight facial contact with said flange.

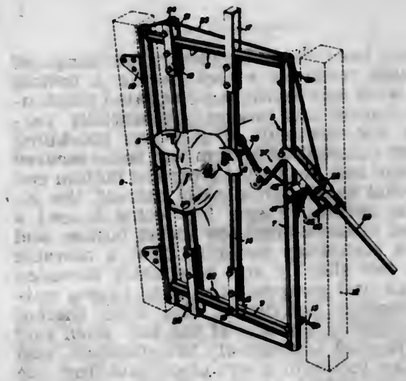
2,571,486
PISTON ASSEMBLY
Noel S. Reynolds, St. Louis, Mo.
Application May 11, 1948, Serial No. 26,409
1 Claim. (Cl. 309—33)



In a piston and sealing cup assembly for mounting in a cylinder of an hydraulic brake system to thereby actuate a brake shoe through a piston pin having an inner rounded end, said assembly comprising a one-piece piston having a cylindrical body portion for sliding in the cylinder and having on its forward end a smooth cylindrical nose portion of a diameter approximately one-half of the body portion and a length less than the body portion, said piston having a cavity in its rear end for receiving the piston pin, the inner end of said cavity extending substantially half way into the length of the nose portion and being rounded for engagement with the rounded end of said pin and said cavity beginning adjacent the rear of the rounded inner

end flaring outwardly to the rear end of the piston closely adjacent the periphery of the body portion, said sealing cup of the assembly being made of resilient material and having a cup-shaped portion fitting over and snugly surrounding the nose portion of the piston and an annular integral lip portion at the rear of the cylindrical wall of the cup-shaped portion with said forward edge of the lip portion which is to have sealing engagement with the cylinder being rearward of the forward wall of the cup-shaped portion a substantial distance, said cup-shaped portion having a relatively thin wall and the base of the lip portion being relatively thick in both the radial and axial directions, the end wall of the cup-shaped portion having on its outer surface at the center thereof an integral projection to provide a bumper for the assembly.

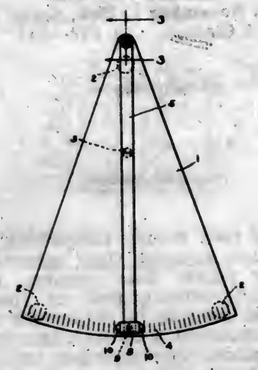
2,571,487
CATTLE CHUTE GATE
James C. Rolfe, Oak Ridge, and Warren S. White, Mer Rouge, La.; said Rolfe assignor of three-eighths to J. U. Yeldell, Jr., Mer Rouge, La.
Application February 25, 1949, Serial No. 78,246
4 Claims. (Cl. 119—147)



1. A gate comprising a frame including a pair of vertical frame members and top and bottom members, a pair of co-acting stanchion bars supported in an upright position by said top and bottom members, one of said stanchion bars being pivoted for swinging in opposite directions and the other of said stanchion bars being slidable in opposite directions relative to the pivoted bar, a lever pivoted to the frame, a link operatively connecting the lever to the pivoted bar to operate the same in opposite directions and flexible spring tensioned means operatively connecting the lever upon opposite sides of its pivot to the sliding bar to operate the same in opposite directions.

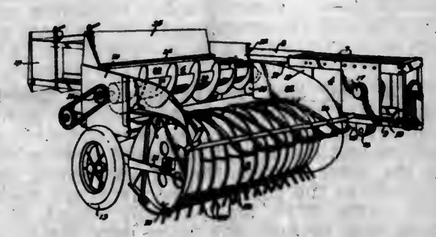
2,571,488
THICKNESS MEASURING DEVICE
John T. Rooney, West Palm Beach, Fla.
Application June 15, 1949, Serial No. 99,163
3 Claims. (Cl. 175—183)

3. In a device of the character described, a relatively flat support of non-magnetic material, a member of non-magnetic material mounted for pivotal movement across the surface of said support, a magnet carried by said pivotal member and adapted to be pivoted therewith and a scale on said support adjacent said magnet, said scale



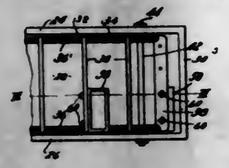
being calibrated to indicate the thickness of a magnetic plating on a non-magnetic base.

2,571,489
BALING MACHINE WITH SPIRAL FEEDING AND COMPRESSION MEANS
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application June 16, 1944, Serial No. 540,560
3 Claims. (Cl. 100—25)



1. A baling machine comprising a horizontally disposed elongated baling chamber providing a feed opening in one side thereof for passage of material for baling, a compressing plunger reciprocably mounted in said baling chamber and traversing said opening for compressing material into bales, a forwardly-open receiving trough disposed transversely of said baling chamber, leading to said opening and terminating at its end adjacent said baling chamber in a completely enclosed throat portion substantially corresponding in size to said opening, and a spirally formed member rotatably supported at one end from said receiving trough and at the other end from said baling chamber and extending along said trough and into and substantially through said throat portion, the effective cross sectional area of said throat portion being substantially less than the effective cross sectional area of said trough, and said spirally formed member being of a size to occupy and sweep, when in operation, the major portion of the volume of said enclosed throat portion whereby material being moved by said spirally formed member is preliminarily compressed when it enters said throat portion, and is held compressed until it enters said baling chamber.

2,571,490
STOCK FEED TROUGH
Everett K. Sanders and Maudie M. Sanders, Kansas City, Mo.
Application November 1, 1948, Serial No. 57,736
2 Claims. (Cl. 119—51)



1. A stock feed trough comprising side walls joined together adjacent their upper edges by a substantially planar floor member, an endless conveyor comprising a pair of spaced apart chains joined together by transverse flights and operatively mounted with its upper reach resting on said planar floor member, and feed boxes removably attached to certain of said flights to move with said conveyor along said planar floor member.

2,571,491
SEED TAPE
George Anthony Schindler, Tacoma, Wash.
Application December 20, 1948, Serial No. 66,362
2 Claims. (Cl. 47—56)



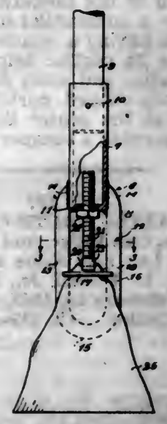
2. A seed tape of the character described adapted to be disposed on edge in a planting trench comprising two coextensive strips of paper bonded together by a glue band of uniform width in the lower portion thereof and having seeds disposed in the glue between the strips, each of said strips being longitudinally scored at the same level between the upper edge thereof and the glue band to provide lines along which the upper portions of the strips may be outwardly folded thereby determining the depth of planting and forming a seed protective area.

2,571,492
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application February 21, 1948, Serial No. 10,040
5 Claims. (Cl. 200—121)



1. A fuse construction comprising a tubular casing, terminals adjacent opposite ends thereof, a fuse link within said tubular casing and electrically connecting said terminals, and an acrylic plastic cylinder surrounding a portion of said fuse link and characterized by the fact that it will discolor upon rupture of said link, said construction including transparent means adjacent said plastic cylinder, said plastic cylinder being visible from the exterior of said casing.

2,571,493
MOPHEAD CLAMPING STRUCTURE
Manuel Seemann, Cleveland, Ohio
Application June 24, 1949, Serial No. 101,134
3 Claims. (Cl. 15—153)

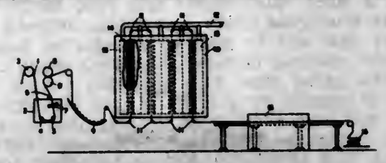


1. A mop head clamp comprising an elongated mop handle receiving socket having a bottom provided with an opening, an elongated substantially U-shaped bail having substantially parallel legs, the terminals of said legs straddling said socket adjacent its bottom and being secured thereto, said bail projecting from the bottom end of the socket and longitudinally thereof, the intermediate portion of said bail being spaced a substantial distance from the socket bottom and defining a stationary clamping jaw, a movable clamping jaw slidably and detachably mounted in said bail and comprising a plate having outwardly opening notches in the ends thereof slidably engaging the legs of the bail when said plate is disposed transversely therebetween, said movable jaw including a web projecting from one side of said plate and disposed perpendicular thereto, a feed screw loosely engaging the opening of said socket and having a head extending into the bail and provided with a kerf detachably engaging said web for detachably and non-rotatably connecting the feed screw and movable jaw, and a nut mounted on said feed screw for bearing engagement with the outer side of the socket bottom for advancing the feed screw outwardly of said socket when said nut is turned in a direction away from the screw head for displacing the movable clamping jaw toward the stationary clamping jaw, said bail being adapted to contain mop material disposed between the stationary and movable clamping jaws and clamped in the bail thereby.

2,571,494
APPARATUS FOR THE TREATMENT OF TEXTILES
William Wycliffe Spooner, Ilkley, England
Original application March 25, 1949, Serial No. 83,496. Divided and this application June 28, 1950, Serial No. 170,777. In Great Britain December 5, 1947
3 Claims. (Cl. 26—18.5)

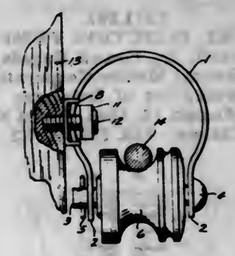
1. An apparatus for treating of woven webs of textile fabric consisting of a liquor treatment vat,

means to guide the web through said vat, a drying machine, a scray interposed between said vat and said drying machine, means to convey said web through said drying machine substantially



in the absence of warp and weft tension in said web, means to moisten said web, means to finally dry said web, and means to apply weft tension to said web when in said final drying means.

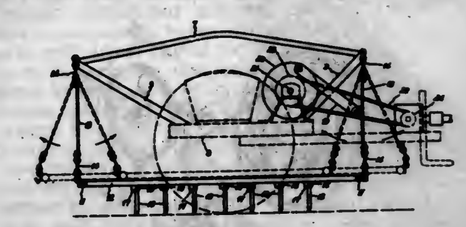
2,571,495
ADJUSTABLE INSULATOR BRACKET
Alwin G. Steinmayer, Milwaukee, Wis., assignor to McGraw Electric Company, a corporation of Delaware
Application May 4, 1948, Serial No. 24,952
4 Claims. (Cl. 174—161)



2. A bracket construction for line wires comprising a supporting member arranged to be attached to a support, said supporting member being provided with openings, an adjustable member in the form of an approximately closed figure threaded through the openings of said supporting member and being slidable through said openings to different positions, an insulator carried by said adjustable member, and means for locking said adjustable member to said supporting member to hold the axis of the insulator at different selected angles.

2,571,496
MULCH HANDLING DEVICE FOR USE WITH AGRICULTURAL IMPLEMENTS HAVING EARTH-WORKING ELEMENTS
John Aloysius Stevens, Tamworth, New South Wales, Australia
Application May 2, 1946, Serial No. 666,720
In Australia May 18, 1945
3 Claims. (Cl. 97—194)

1. For use with an implement having earth-working elements, devices for restraining motion of a mulch in the travel direction of said implement, comprising a supporting structure adapted for rigid affixture on said implement, hanger members supported by their upper ends on said supporting structure and movable to and fro in said travel direction, a prong frame secured to the lower ends of said hanger members, a multiplicity of mulch engaging prongs pivotally suspended on said prong frame for swing motion in said travel direction, and stops



on said frame to limit the pivotal movement of said prongs.

2,571,497
OIL WELL PUMP VALVE
Grafton M. Stewart, Stamford, Conn.
Application May 25, 1949, Serial No. 95,196
1 Claim. (Cl. 251—147)

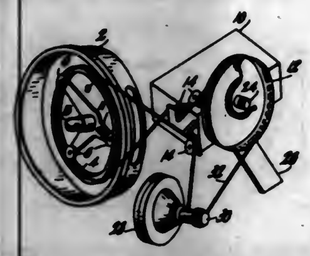


A valve for oil well pumps comprising a vertically extended valve cage having a conical valve seat at the bottom of the same and a cylindrical wall extending upwardly from said conical valve seat, a drop confined in said valve cage and freely slidable vertically in said cylindrical wall portion of the cage, said drop comprising an upper cylindrical piston element, a lower conical valve member, an expansible valve disc between said piston element and valve member, said piston element, valve member and expansible valve disc being all of substantially the same peripheral dimensions, enabling said valve drop to be guided and to slide freely in said cylindrical portion of the valve cage and a stud carried by said upper piston element, projecting loosely down through said expansible valve disc and said conical valve member and having a confining head spaced below said valve member and loosely confining said member and valve disc to said piston element whereby the liquid being pumped may pass between said loosely connected parts of the drop to keep the expansible valve disc free for expansion and contraction to seal against the surrounding cylindrical wall.

2,571,498
RADIO DIAL AND DIAL DRIVE
George L. Temple, Clayton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 21, 1949, Serial No. 122,796
3 Claims. (Cl. 250—14)

1. In radio apparatus having a chassis, a tuning device, a casing supported by said chassis, said casing having viewing openings therein, and a speaker mounted on said chassis, said speaker being positioned behind said openings, the combination of a bracket carried by said speaker and having a rotatable member, an annulus mounted for rotation on said rotatable member, a station indicator dial held by said annulus and facing said viewing openings so as to be visible therethrough and driving means coupling said tuning means and station indicator dial for synchronously rotating the same, and a fixed indicating

element placed on said casing and in cooperative relationship with said indicator dial whereby



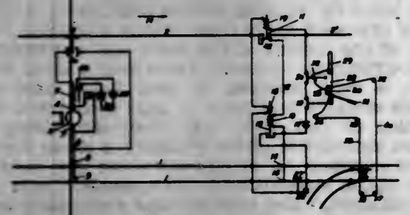
the tuning of said receiver is indicated on said indicator dial.

2,571,499

RAILROAD SIGNALING DEVICE

Raymond Arthur Tuet, Paris, France, assignor of one-half to Societe Auxiliaire d'Etudes Electrotechniques, Paris, France, a corporation, and one-half to Societe Suisse d'Electricite et de Traction, Basel, Switzerland, a corporation

Application March 15, 1946, Serial No. 654,569
In France April 11, 1945
2 Claims. (Cl. 246—68)



1. A signalling system of railroads comprising an electric tachymetric generator carried by a locomotive and having a voltage across its terminals proportional to the speed of travel of the locomotive, a signalling circuit including track rails, a pilot conductor of high impedance extending along the track rails, means for connecting one terminal of the generator to said track rails and the other terminal to the pilot conductor, means of connection between the pilot conductor and track rails, said connection being located at the next obstacle in front of the locomotive, a warning signal carried by the locomotive, said signal being permanently controlled by a wattmetric relay carried also by the locomotive, and actuated if the active power through said relay attains a predetermined value, the current winding of said relay being interposed between one terminal of the generator and the pilot conductor, the voltage winding of said relay being connected across the terminals of the generator.

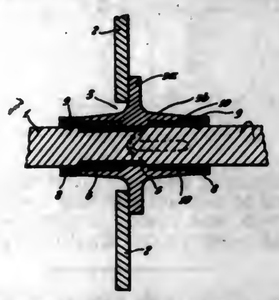
2,571,500

DEVICE FOR SEALING THE JOINT BETWEEN THE SURFACES OF TWO RELATIVELY ROTATABLE MEMBERS

Henry William Trevaskis, Solihull, Birmingham, England, assignor to Dunlop Rubber Company Limited, London, England, a British corporation

Application September 9, 1947, Serial No. 772,928
In Great Britain September 25, 1946
3 Claims. (Cl. 286—7)

1. In a device for sealing the joint between the contacting surfaces of two relatively rotatable members, a non-circular endless groove of sinuous form in one of the said members, a jointless ring of resilient material fitting in said groove and resiliently pressing against the surface of the other member and lubricating pads of absorbent lubricant-impregnated material inset in



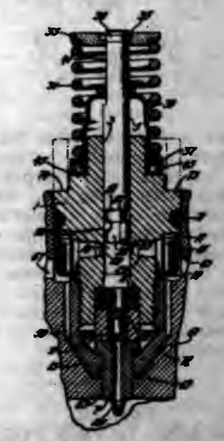
the member containing said groove on both sides of the ring, the adjacent ends of the pads on the two sides of the ring extending at least to a common circumferential line and the other ends of the pads extending at least to circumferential lines passing through the corresponding apices of the ring.

2,571,501

FUEL INJECTION PUMP

Clyde W. Truxell, Jr., Grand Rapids, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 17, 1945, Serial No. 610,937
2 Claims. (Cl. 299—107.2)



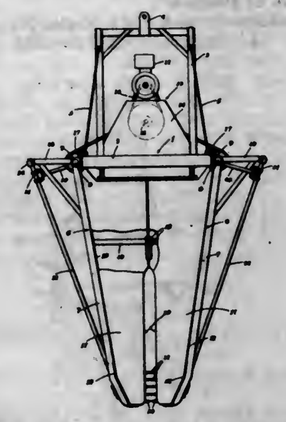
1. In a fuel injection device, a first conduit leading from a source of fuel under pressure and a second conduit leading to a relatively low pressure receiver, a vertical pump cylinder interposed between said conduits, a fuel inlet port in an upper portion of said cylinder communicating with said first conduit, a fuel outlet port in said upper portion of said cylinder at substantially the same level as said inlet port communicating with said second conduit and circumferentially spaced from said inlet port, a fuel discharge opening in the bottom of said cylinder having a fuel injection nozzle directly associated therewith, a reciprocable and rotatable cylindrical plunger in said cylinder, said plunger having an annular groove in the plunger periphery upwardly spaced from the plunger face, said plunger periphery having a slot extending from said face to said groove, said slot having an oblique side and decreasing in width upwardly from said face, said plunger having said slot in generally vertical alignment with said outlet port and reciprocable from a position wherein said face is above said ports whereby said cylinder is purged of the fuel vapors in its upper portion to another position wherein said groove registers with said ports whereby said cylinder may be relieved of plunger induced pressure, said plunger permitting fluid flow from said first conduit to said second conduit in either of said positions, means for turning said plunger in said cylinder to vary the pump capacity, fuel filtering means carried by said pump cylinder and enclosing said inlet and outlet ports, said fuel injection nozzle being disposed directly adjacent to said fuel discharge opening, and a member secured to said cylinder in clamping relation to said filter means for holding said filtering means and said fuel injection nozzle in fixed relation to said cylinder.

2,571,502

FOLIAGE REMOVAL BUCKET

Lyle R. Uhland, Knights Landing, Calif.

Application June 24, 1949, Serial No. 101,104
11 Claims. (Cl. 56—8)



7. A foliage removal bucket comprising a suspension frame, a pair of opposed bucket halves, a pair of spaced but alined pivot shafts on the upper edge of each bucket half, means journaling the shafts of each bucket half to the suspension frame for opening or closing swinging motion of the bucket halves, power means between the frame and bucket halves to so swing the latter, a sickle bar mounted on and extending along the lower edge portion of each bucket half, a prime mover on the frame, and driving connections between the prime mover and sickle bars operative in any position of the bucket halves.

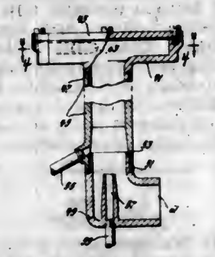
2,571,503

DEAERATOR AND DIRT SEPARATOR

Arthur F. Underwood, Grosse Pointe, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 19, 1945, Serial No. 583,611
2 Claims. (Cl. 183—2.5)

1. A vortex separator for separating foreign matter from a flowing viscous liquid stream, said apparatus comprising an inlet conduit of uniform internal cross-sectional area, a casing having a smooth cylindrical internal side wall and end walls, connecting means between said conduit and said cylindrical casing having an internal area at least as large as said conduit to maintain constant velocity flow and thereby minimize friction losses, said inlet conduit and casing being so arranged to cause the fluid to rotate about the axis of said cylindrical casing, an elongated separation tube having a diameter substantially less than the diameter of said casing and having one end connected to said end wall of the casing concentric with said axis, said separation tube having a



threaded joint adjacent the other end between an upper and lower portion, the upper portion of said separator tube being internally relieved at said joint to provide a dirt recess, the upper edge of the lower portion of said separator tube having an outwardly tapered end to provide an outwardly sloped dirt collecting surface at the base of the recess, a laterally directed outlet pipe to drain dirt from the recess, a relatively small air outlet pipe in the center of said lower portion of said separator tube having the inlet centrally located just below the threaded joint said separator tube discharging the liquid free of dirt and air below said air outlet pipe.

2,571,504

THERMOPLASTIC SPRAY BOTTLE

Robert P. Vuillemenot, River Edge, N. J., assignor to The Pharma-Craft Corporation, New York, N. Y., a corporation of Delaware

Application September 16, 1949, Serial No. 116,027
2 Claims. (Cl. 299—90)



1. A thermoplastic bottle for liquid cosmetic such as liquid deodorant serving as a dispenser of the liquid contained in the bottle as a spray in the manner of an atomizer which comprises, a body portion having front and back walls of generally rectangular shape, a bottom wall, a top wall having a hollow neck and flexible re-entrant side walls, said side walls joining said front and back walls, and said re-entrant walls having their apices pointing toward the interior of said body

portion, said flexible re-entrant walls forming accordion pleats which flex and deform from normal position to decrease the volume of said body portion when pressure is exerted on said back and front walls by squeezing and which return to their normal position upon release of said pressure to revert the body portion to its normal volume, an atomizer head in said neck having a top plate with a pinhole located centrally thereof and a communicating chamber, a skirt press-fitted into said hollow neck, a plurality of baffles extending inwardly from said skirt and terminating short of the axis of said neck to form a central opening, a tube in said body portion, the upper end of which is press-fitted in said central opening and which terminates below said chamber and the lower end of which terminates near said bottom wall, said baffles providing passageway for air from the interior of said body portion into said chamber, said bottle dispensing liquid contained therein through said pinhole in puffs of mist in response to successive squeezes of said bottle.

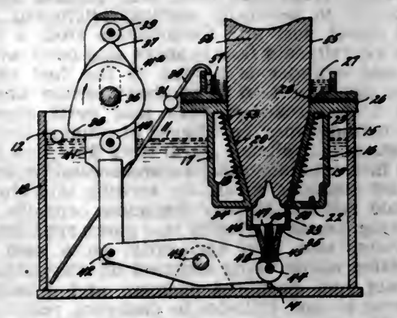
2,571,505
RADIATOR
Louis D. Waldron, Arlington, Mass.
Application June 2, 1948, Serial No. 30,702
3 Claims. (Cl. 257—262.18)



1. In combination, a pipe, a radiator element comprising a piece of heat conductive sheet material bent on itself to form a plurality of spaced fins joined at one side by the bent portion, said piece being notched inwardly from one side through the bent portion to a depth greater than the diameter of said pipe to engage at said notch partly around said pipe, and a key bearing on said element at the inner face of the bend and engaging the opposite side of the pipe from the base of said notch for securing said element to said pipe.

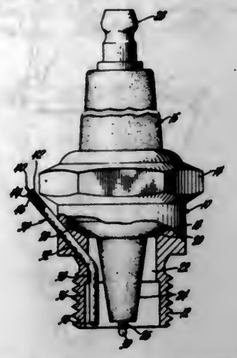
2,571,506
INCREMENTAL FREEZING
John R. Watt, Austin, Tex.
Application March 22, 1946, Serial No. 656,265
13 Claims. (Cl. 62—106)

1. In a device for freezing a fluid material, a hollow cell having a flaring inner surface, merging at its smaller end into a form in which the surface is parallel to a central axis, a plunger having its peripheral forward rim snugly engaging the inner face of smaller portion, means for reciprocating the plunger in said smaller portion, means for feeding the fluid to the smaller portion between the plunger and the flaring inner surface while the plunger is in contact with the smaller portion, and means for intermittently operating the plunger reciprocating means to advance a shell of congealed material frozen in the cell and to provide a space into which the fluid may pass between the formed shell and the refrigerating surface when moving in one direction and to return the plunger to initial position when moving in the opposite direction, the rate of travel of the plunger being such that there will be a plurality of cycles per minute, said plunger



being substantially conical and being divided by a plurality of slots to form resilient members, whereby the plunger may ride over any congealed portions on its return stroke.

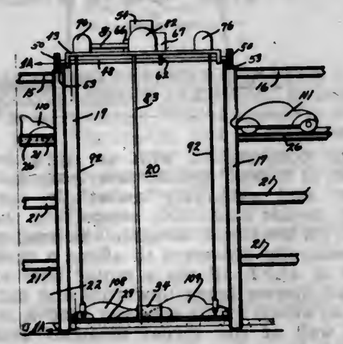
2,571,507
PRESSURE INDICATOR
Albert F. Welch, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 6, 1950, Serial No. 166,524
11 Claims. (Cl. 315—32)



1. An indicator unit for simultaneously firing an internal combustion engine and measuring pressure changes therein, comprising a spark plug having an outer shell for mounting in said engine and, positioned within the bore of said shell, a pressure-sensitive condenser including electrical conductive members separated by an interjacent elastic dielectric, said conductive members being exposed to the pressure to be measured and deflectable relative to one another for varying the capacitance of said condenser as a measure of such pressure.

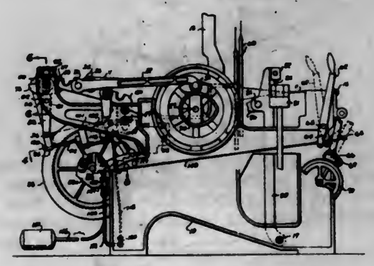
2,571,508
MACHINE FOR TIER PARKING MOTOR VEHICLES
Edward P. Whelan and Benjamin Newman Rosenbaum, Brooklyn, N. Y., assignors to Rosenbaum "Q-B-Ki" Parking Co., New York, N. Y., a corporation of Delaware
Application September 1, 1948, Serial No. 47,264
2 Claims. (Cl. 214—16.1)

2. In a system for tier parking automobiles a plurality of spaced apart vertical risers, vertically spaced apart horizontal girders forming with said vertical risers a plurality of horizontally and vertically aligned cubicles each cubicle of which is adapted to receive an automobile, a vehicle receiving platform movable both horizontally and vertically between the open ends of adjacent spaced apart rows of cubicles, a vehicular frame having wheels thereon with teeth about their periphery, tractive means carried by the top of the uppermost cubicle for the entire length of the tier along the open ends thereof adapted to be engaged by the teeth on the wheels of said vehicular frame, windlass means carried at op-



posite ends of said vehicular frame for raising and lowering said vehicle receiving platform, flexible connecting means between said windlass means and said vehicle receiving platform for elevating and suspending said vehicle receiving platform, said horizontal girders have depending flanges therefrom having a flared mouth proximate the vertical risers converging horizontally to form a guide slot for receiving a guide carried by said vehicle receiving platform to eliminate to and fro swinging of said vehicle receiving platform while said platform is being driven horizontally along a predetermined tier of cubicles.

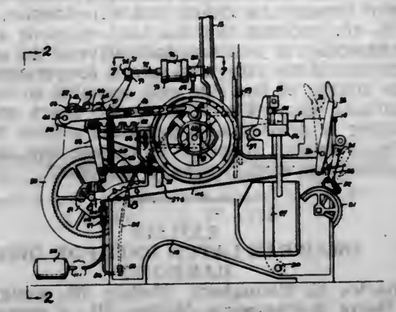
2,571,509
APPARATUS FOR CONTROLLING TENSION IN WARP YARNS
Thomas J. Willis and William A. Smith, Greenwood, S. C.
Application August 15, 1950, Serial No. 179,544
6 Claims. (Cl. 139—115)



1. In a loom having an oscillatable lay and also having a cloth take-up mechanism and also having a warp beam and also having a whip roll and warp yarns extending from the warp beam to the whip roll and progressively to the lay, said loom also having a shipper handle for stopping and starting the loom, means automatically operable upon moving the shipper handle to inoperative

position for relaxing the normal tension in the warp yarns and said means also being automatically operable for creating normal tension on the warp yarns upon moving the shipper handle to operative position for starting the loom, said automatically operable means comprising a pair of relatively closely spaced bars disposed in advance of the whip roll and over and under which the warp yarns are adapted to pass in their course from the warp beam to the whip roll, means supporting said bars in fixed relation to each other, said means supporting said bars being pivotally supported on said loom and means automatically operable upon movement of the shipper handle to operative position to move the pivoted means supporting said bars about its axis to, in turn, move said bars about the said axis for creating a normal tension upon said warp yarns and means automatically operable upon moving the shipper handle to inoperative position for releasing the means moving said pivoted means for supporting the bars to thus relax the tension in the warp yarns between the warp beam and the lay to thereby prevent the occurrence of set marks in the fabric woven thereby.

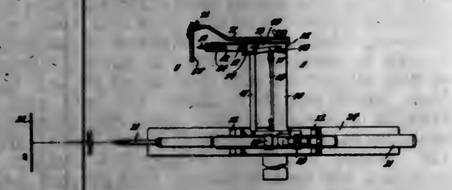
2,571,510
TENSION CONTROL FOR WARP YARNS
Thomas J. Willis and William A. Smith, Greenwood, S. C.
Application August 16, 1950, Serial No. 179,657
4 Claims. (Cl. 139—115)



1. An improvement in a warp tension apparatus for looms, said loom having an oscillatable lay and having a cloth take-up means and also having a whip roll and warp yarns extending from the whip roll to the lay where they are formed into a fabric and the fabric being taken up by the cloth take-up means, said improvement comprising means for retaining normal tension in the warp yarns while the loom is in operation and means for relaxing the tension in the warp yarns while the loom is not in operation including a first tension roll and a second tension roll extending transversely of the loom and disposed forwardly of the whip roll and beneath and over which the warp yarns are adapted to pass successively, the first tension roll extending in closely spaced parallel relation to the second tension roll and beneath which the warp yarns are adapted to pass in advance of the warp yarns passing over the second tension roll, at least one actuating arm mounted on the second tension roll, means supporting the first tension roll for oscillation about the axis of the second tension roll, a fixed connection between the actuating arm and the means supporting the first tension roll, spring means normally urging the first tension roll in a direction away from the warp yarns and means automatically operable

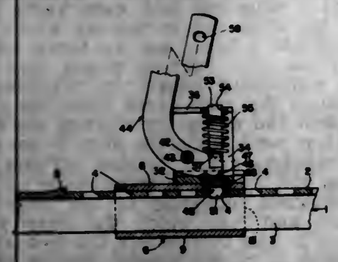
upon starting the loom for moving the first tension roll into engagement with the upper surfaces of the warp yarns for creating tension in the warp yarns.

2,571,511
AIMING DRILL TARGET AND SYSTEM
John G. Winter, Washington, D. C.
Application September 26, 1949, Serial No. 117,758
8 Claims. (Cl. 25—25)



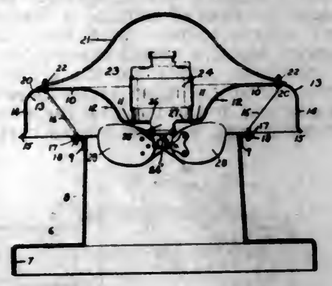
8. An aiming drill device for use with a rifle comprising, in combination, a base adapted to be placed on the ground, an upright member pivoted at a first end to said base about a horizontal axis, a chart carried by the second end of said upright member, elongated means pivoted to said second end about an axis parallel to said first-named axis and extending substantially horizontal, the elongated means having a free end adapted to be connected to a rifle whose axis is horizontal, a marking element carried by said second end, means biasing the marking element toward the chart, means connected to the rifle for moving the marking element relative to the chart to positions indicative of the angular position of the rifle, and means cooperating with the trigger of the rifle and operable to lock the marking element away from the chart until the trigger is pressed and including means responsive to trigger pressure to release the marking element for motion toward the chart.

2,571,512
DRAWBAR LATCH UNIT FOR DISK HARROWS
Charles H. Youngberg, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 30, 1945, Serial No. 585,691
13 Claims. (Cl. 55—81)



1. In an agricultural implement, a pair of relatively movable parts having registering openings, a latch unit having a plunger adapted to pass through both of said registering openings for locking said parts together, said latch unit including means for withdrawing said plunger from both of said registering openings, and means for slidably mounting said latch unit on one of said parts and accommodating movement of said latch unit relative thereto when said plunger is withdrawn from both of said openings.

2,571,513
VENTILATOR
Cecil L. Ammerman, Minneapolis, Minn.
Application April 2, 1949, Serial No. 85,246
2 Claims. (Cl. 98—43)



1. The combination with an upright throat member, of a head member overlying the throat member and extending materially outwardly thereof, means removably supporting the head member on the throat member, the head member being centrally depressed to afford a cavity, the bottom of which affords a motor base and the side wall thereof being upwardly and outwardly flaring to afford an air spreader spaced inwardly of the wall of the throat member, said head member being outwardly and downwardly curved and then extended downwardly to substantially the plane of the upper end of the throat member, to afford an apron that is spaced outwardly of the throat member, an electric motor mounted on the motor base with its armature shaft extending downwardly into the throat member, a suction fan in the throat member on the armature shaft, and a cap overlying the head member supported thereon and removably secured thereto.

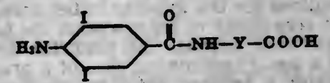
2,571,514
PORTABLE ELECTROACOUSTICAL APPARATUS
Edward F. Andrews, Chicago, Ill.
Application March 17, 1947, Serial No. 735,078
14 Claims. (Cl. 250—14)



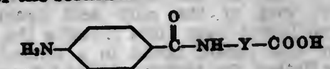
1. In an electro-acoustical apparatus transportable and operable on the person of an operator, a carrying and connecting member having a shoulder engaging upper portion and a depending lower portion, a speaker mounted on said shoulder engaging upper portion, and a radio receiver of greater weight than said speaker carried by said lower portion, and electrically conductive means associated with said member, connecting said radio receiver to said speaker, said speaker, radio receiver and carrying and connecting member forming a unitary structure supportable from the shoulder of an erect operator with said radio receiver of greater weight at the bottom being adapted to maintain the unitary structure in gravitally stable equilibrium with said speaker stably positioned thereby in predetermined position in relation to the head and shoulder of the user.

2,571,515
PROCESS OF PREPARING IODINATED AMINO BENZOYLAMINO ALKANOIC ACIDS
Sydney Archer, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application October 3, 1947, Serial No. 777,865
3 Claims. (Cl. 260—518)

1. The process for preparing a compound of the formula

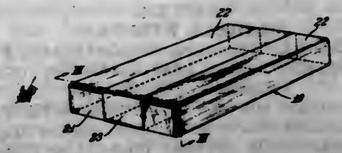


where Y is a hydrocarbon bridge having from 5 to 8 carbon atoms which comprises reacting a p-nitrobenzoyl halide with an amino acid of the formula, $H_2N—Y—COOH$, reducing the resulting p-nitrobenzoylamino acid to the amino compound of the formula



and reacting the latter with an iodinating agent.

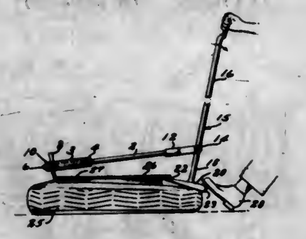
2,571,516
CANDY PACKAGE AND METHOD OF PRESERVING CANDY
Fred J. Arnold, Chicago, Ill., assignor to Illinois Fannie May Candy Company, Chicago, Ill., a corporation of Illinois
Application March 18, 1950, Serial No. 150,453
9 Claims. (Cl. 99—180)



1. A method of preserving chocolate candy comprising the steps of providing a vapor barrier around the candy, insulating the vapor barrier and freezing and storing the insulated and moisture-protected candy at deep-freezing temperature.

2,571,517
LATERALLY ROCKING TYPE TIRE REMOVING HAND TOOL
Hugh Aycock, Phoenix, Ariz.
Application March 27, 1948, Serial No. 17,496
2 Claims. (Cl. 157—1.17)

1. A rocking type hand tool for removing tire casings from wheel rims having flanges, comprising a pull bar having a threaded outer end, a fork affixed to its inner end having a plurality of pairs of transverse holes, a shank threaded onto the outer end of said pull bar, a threaded stud screwed into the outer end of said shank, a rim hook having a socket plate attached to its outer face, a transverse slot through said rim hook and socket plate to loosely hold said stud, a nut threaded on said stud adapted to hold said hook on said stud and having a rounded inner face adapted to engage in the socket in said socket plate, a lever having a handle on its upper



portion, a flat rectangular wedge shoe on its lower end, and an intermediate boss transversely drilled to receive a bearing pin; and a transverse bearing pin extending through a pair of holes in said fork and thru said boss; said wedge shoe having a spade-like front portion terminating in a concavely curved front edge, adapted to engage under a rim flange, lateral edges adapted to press downward on a tire side wall, and a foot pad at its rear end, adapted to extend beyond the periphery of a tire to be removed from said rim.

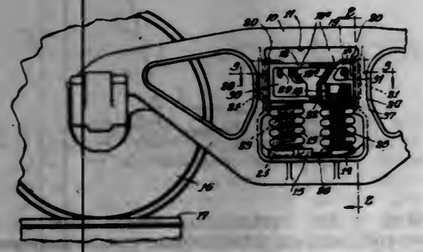
2,571,518
COMBINED IRONING BOARD AND CLAMP
Vera F. Baker, San Francisco, Calif.
Application July 23, 1948, Serial No. 40,404
1 Claim. (Cl. 38—102)



In combination with an ironing board an ironing clamp of the character described embodying in its construction a lower clamping member and an upper clamping member made of a substantially flat material and spaced one from the other, a pair of oppositely disposed flat legs fixed to the upper clamping member, means pivotally securing the said legs to the lower clamping member, the said legs being rounded on the lower portions thereof and adapted to rest on the ironing board, a downwardly extending jaw formed on an end portion of the clamping member, an elongated undulating spring longitudinally positioned between the clamping members for pressing the said jaw against the lower clamping member, an end portion of the said undulating spring being fixed to the lower clamping member and the opposite end portion fixed to the upper clamping member, the said undulating spring having a substantially inverted U-shaped portion formed between the said

end portions and means fixed to the upper clamping member extending through the said inverted U-shaped portion of the undulating spring for longitudinally supporting the upper clamping member.

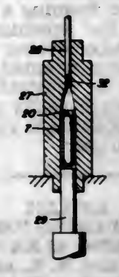
2,571,519
STABILIZED CAR TRUCK
Franklin D. Barber, Flossmoor, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application June 19, 1947, Serial No. 755,685
11 Claims. (Cl. 105—197)



9. A stabilized car truck comprising in combination a side frame having vertical columns defining opposite sides of a bolster window, a bolster having an end portion extending through said window, load supporting springs on which the bolster is supported, a plate member interposed between the bolster and said load supporting springs and means for stabilizing the movements of the bolster comprising friction shoes supported at opposite sides of the bolster for movement with the bolster and adapted to bear against said vertical columns, an inclined surface on each shoe, inclined surfaces movable with the bolster and engaging said inclined surfaces of the shoes for displacing them horizontally toward said columns, resilient means for exerting pressure against said shoes to effect said horizontal displacement thereof comprising in each case a unitary resilient element including a constant pressure exerting portion engaging a friction shoe and seating on said plate so as to move bodily with the bolster and a second portion having one end engaging the shoe, and means for supporting the other end of said second portion in fixed position relative to a portion of the frame beneath said shoe and in longitudinal alignment with said constant pressure portion of the spring, whereby the combined force exerted by both portions of the spring is increased in relation to the extent of downward movement of the bolster.

11. In a car truck, a side frame, a bolster resiliently supported on said side frame, a shoe carried in the bolster and frictionally engaging a surface of the side frame, spring means urging said friction shoe against said surface comprising a unitary spring having a portion maintaining a constant force on the friction shoe regardless of the weight on the bolster and a second portion maintaining a variable force on the friction shoe and increasing directly with the load on the bolster, the total force between the friction shoe and said surface of the side frame being at all times the sum of the independent forces exerted separately by the constant force portion of the spring and the variable force portion of the spring.

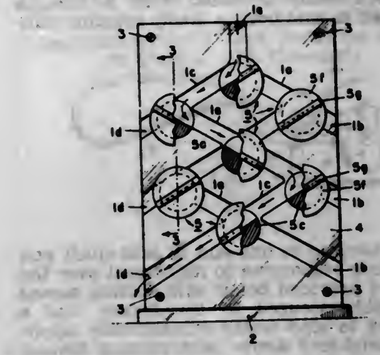
2,571,520
METHOD OF MAKING BULLETS
Fred N. Barnes, Durango, Colo.
Application October 4, 1949, Serial No. 119,446
3 Claims. (Cl. 29—1.23)



1. The method of making jacketed bullets comprising cutting copper tubing of a precise external diameter into sections of precise length to produce jacket blanks, reaming one end of each jacket blank, molding cylindrical lead core blanks of slightly greater length and lesser diameter than required for the finished bullet cores, pressing each core blank in an extrusion die to reduce the length and increase the diameter thereof to produce a nearly completed core of a precise size and provide a reduced point on one end of the nearly completed core, then assembling each nearly completed core in a reamed jacket blank with the point of the core near the reamed end of the jacket blank, then pressing the assembled core and jacket blank in a die to draw the unreamed end of the jacket blank over the unpointed end of the core and provides an unfinished jacket base, then pressing the assembled core and jacket blank in a second die to partially flatten the jacket base and draw in the reamed end portion of the jacket blank and the adjacent portion of the core to form the tapered end portion of the bullet with the point of the core projecting from the jacket blank, and then pressing the assembled core and jacket blank in a third die to shape the point of the core and the adjacent portions of the core and the jacket blank to give said point and the adjacent portion of the jacket blank flush tapered surfaces and to completely flatten the jacket base.

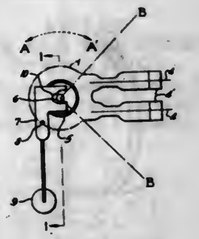
2,571,521
MARBLE RUNWAY
Richard L. Barnhart, Elizabethtown, Pa.
Application June 6, 1950, Serial No. 166,490
5 Claims. (Cl. 46—43)

1. A marble runway comprising a rigid board of rectangular shape and means supporting same in a substantially vertical plane, the front face of said board being formed with a series of inclined relatively vertically spaced channels having their lower ends respectively opening outwardly through one side edge of said board, and a series of relatively oppositely inclined vertically spaced channels having their lower ends respectively opening outwardly through the opposite side edge of said board, the uppermost channels of each series intersecting each other, a marble inlet channel communicating with the intersection of said uppermost channels, and a rigid transparent cover plate secured over the front face of said board to close the open fronts of said channels, in combination with a plurality of valves respectively rotatably journalled through said board and a cover plate at each of the intersections of said channels for selectively controlling the passage of a marble from each said



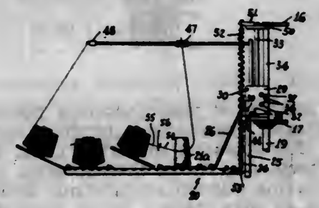
intersection to either of the channels extending downwardly therefrom.

2,571,522
MAGNETIC CONTROL OF HIGH PRESSURE ARC LAMP
Eric J. G. Beeson, Southwell, and Philip Shepherd, Rugby, England, assignors to General Electric Company, a corporation of New York
Application January 28, 1948, Serial No. 4,748
In Great Britain February 17, 1947
5 Claims. (Cl. 313—156)



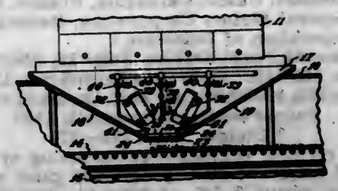
1. In combination, a support pivoted on a horizontal axis for angular movement within predetermined limits in a vertical plane, a high pressure arc discharge device having a straight path between its electrodes mounted on said support for movement therewith, magnetic field producing means also mounted on said support with its field directed so as to counteract in one of the two possible directions the tendency of the arc to bow out of the straight path under the influence of convection currents when said path is tilted from the vertical, said means being so proportioned with respect to the arc current as to produce a field of sufficient intensity to maintain the arc in the straight path when said path is at its maximum angle to the vertical, and gravity controlled means having an axis of rotation and being mounted on said support with its axis of rotation parallel to the pivotal axis of the support and being coupled with said magnetic field producing means to change the intensity of the magnetic field in said device in direct proportion to the change in angular distance of the straight path from the vertical as the support is so moved around its horizontal axis that the straight path in the device is tilted from the vertical in the direction in which bowing of the arc is counteracted by the magnetic field whereby the arc is maintained in the straight path between said electrodes when the said support is so moved.

2,571,523
ADJUSTABLE MAGAZINE CREEL FOR KNITTING MACHINES
Ralph M. Bennett, New Bedford, Mass., assignor to Kilburn Mill, Bristol County, Mass., a corporation of Massachusetts
Application October 23, 1948, Serial No. 56,228
8 Claims. (Cl. 66—125)



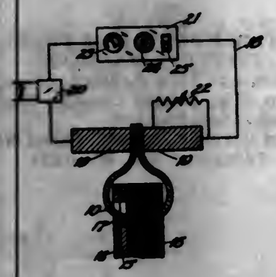
1. In a knitting machine; a fixed vertical guide member, a carriage movable vertically on said guide member, a horizontal arm extending from said carriage for supporting a plurality of cones whereby said arm may be moved from a raised horizontal plane to a lowered horizontal plane, and spring means constantly urging said arm towards said raised horizontal plane.

2,571,524
MATERIAL HANDLING APPARATUS
Herbert O. Bissell, Hamilton, Ohio, assignor to Armco Steel Corporation, Middletown, Ohio, a corporation of Ohio
Application January 13, 1950, Serial No. 138,478
9 Claims. (Cl. 202—230)



3. Material handling apparatus comprising a hopper for receiving material to be handled, said hopper having a delivery opening, a material receiving trough disposed below said delivery opening and extending beyond said hopper, means for producing a feed of said material toward the extending end of said trough, a conveyor disposed beneath the extending end of said trough to receive material therefrom, means for measuring the temperature of said material on the extending portion of said trough, and fire extinguishing means disposed to project a fire extinguishing substance onto said material on the extending portion of said trough, and operatively connected to said temperature measuring means to operate in response to indications from said temperature measuring means.

2,571,525
METHOD OF BINDING SHEET MATERIAL IN FILES
Arthur Blitstein, Chicago, Ill.
Application January 29, 1948, Serial No. 4,958
1 Claim. (Cl. 11—1)



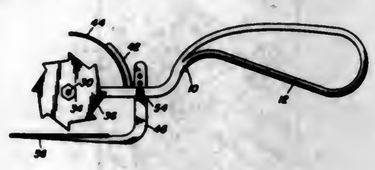
The method of manufacturing books from a comb-shaped, permanent binding member of flaccid thermoplastic material, front and back cover sheets, and sheets therebetween, all of said sheets having aligned perforations therethrough adjacent an edge thereof, which method consists of arranging said front cover sheet and said interior sheets in regular sequence, positioning the normally exterior surface of said back cover sheet next to the normally exterior surface of said front cover sheet, chilling said binding member until substantially rigid, guiding the fingers of said binding member through said perforations, respectively, curling said member about said edge so that the free ends of said fingers and the back portion of said member both extend away from said edge, butting said backing portion and the free ends of said fingers together, impressing a high frequency voltage across the contacting surfaces of said member to fuse the same together permanently, and rotating said back cover sheet into its normal position.

2,571,526
CERAMIC COMPOSITION
Louis Bennes, Cunac-Carbardes, France, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application July 31, 1947, Serial No. 765,249. In France February 1, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1960
7 Claims. (Cl. 106—62)

1. A ceramic composition consisting of a mixture of about 70–82% practically pure calcined alumina, about 3–6% of tribasic phosphate selected from the group consisting of tribasic calcium phosphate, tribasic magnesium phosphate and mixtures thereof, and about 7–24% of plasticizer, said plasticizer containing as the essential ingredient thereof a refractory aluminous clay.

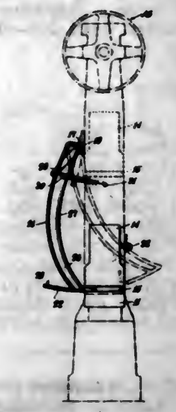
2,571,527
CAST CUTTER
Martin Beyer, Lowry, Minn., assignor of one-third to Birth A. McIver, Lowry, Minn.
Application October 15, 1947, Serial No. 779,956
2 Claims. (Cl. 30—167)

1. A cast cutter comprising a frame, said frame formed with a handle at one end thereof and having planar furcations at its other end, said furcations forming extensions of said frame, substantially U-shaped bearing block receiving members formed with the outer end portions of the furcations, a bearing block having its ends fitted within the bearing receiving members, the bearing block being provided with a bore, a shaft disposed in said bore, a freely rotating cut-



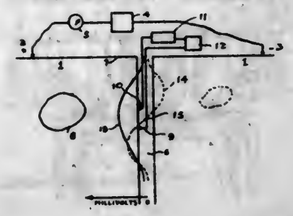
ting means secured to one end of said shaft and being rotatably responsive to movement over the cast, a guard provided below said cutting means and adjustably secured to the frame, and a baffle secured to said frame substantially opposite said guard and above said cutting means.

2,571,528
SAFETY GUARD HAMMER AND THE LIKE
Michael Braccio, Brooklyn, N. Y., assignor to William Langbein, Emil Langbein, and Charles Langbein, a partnership doing business as Wm. Langbein & Bros., New York, N. Y.
Application January 31, 1948, Serial No. 5,650
3 Claims. (Cl. 74—615)



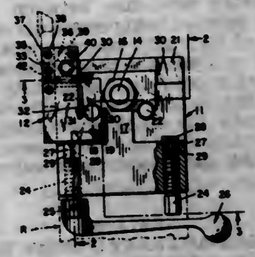
1. A safety guard for a drop hammer machine comprising, in combination, a shaft rotatably carried at the front of said machine; a pair of spaced apart, arcuate side members rigidly carried by said shaft and adapted to travel between uprights of said machine and in the path of said drop hammer, each of said members being curved from front to back and engageable by the drop hammer during movement of the latter; an arm ridigly secured to one end of said shaft; a resilient element interposed between said arm and one of said uprights for biasing said side members in the path of said hammer while the hammer is in the raised position; and means for interconnecting the lower ends of said side members, said means comprising a side element fixedly attached at an acute angle to each of said side members and projecting forwardly, a horisontal front element fixedly attached to the free ends of said side elements, and a guard screen interposed between said side and horisontal elements.

2,571,529
DRILL HOLE AND UNDERGROUND RESISTIVITY METHOD
Arthur A. Brant, Toronto, Ontario, Canada, assignor to Geophysical Exploration Company, New York, N. Y., a corporation of Delaware
Application May 3, 1949, Serial No. 91,027
15 Claims. (Cl. 175—182)



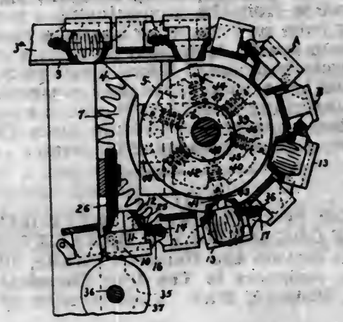
2. An electrical potential method of drill hole exploration comprising electrifying the sub-surface with a direct current source by means of current electrodes spaced either side of a drill hole, measuring potentials along the drill hole to indicate the presence of a conductor anomaly and to locate it generally in one direction relative the drill hole, rotating the current electrodes to electrify the sub-surface in a substantially orthogonal direction, measuring potentials along the drill hole with the sub-surface electrified in said orthogonal direction to locate the azimuth of said anomaly, electrifying the sub-surface along said drill hole and measuring potentials along the drill hole with the sub-surface electrified in the direction of the hole to identify said anomaly as a good or poor conductor enabling its azimuthal locations to be confirmed.

2,571,530
TOOLHOLDER AND TOOLHOLDER BLOCK COMBINATION
Peter Brekke, Los Angeles, Calif.
Application July 16, 1949, Serial No. 105,188
6 Claims. (Cl. 82—36)



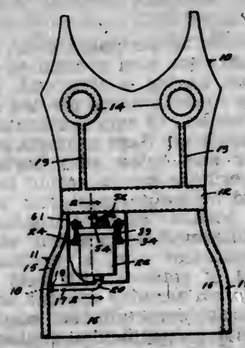
1. A tool holder and tool holder block combination for use on a lathe or the like, comprising a tool holder block having means for adjustable attachment to a lathe or the like, said block having a recumbent L-shaped tool holder recess extending downwardly from the top surface of said block at one edge thereof with the foot portion of the L terminating interiorly of said block, said block having a fulcrum pin mounted vertically in the bottom of said recess; means projectable from the vertical wall of said recess opposite said fulcrum pin adapted for clamping a tool holder therebetween; and an L-shaped tool holder having an aperture adapted to rockably fit over said fulcrum pin in said L-shaped recess in said block.

2,571,531
VEGETABLE TRIMMING MACHINE
Edward W. Bridge, Philadelphia, Pa.
Application September 29, 1948, Serial No. 51,660
5 Claims. (Cl. 146—83)



1. In a vegetable trimming machine, in combination an endless conveyor composed of transverse links pivotally connected together and passing around spaced sprockets, at least one of said links being constructed of two parts with a pocket between and in said parts to receive a vegetable to be trimmed, means mounting one of said two parts on the other part, means to press said two parts toward one another to effect a holding action on the vegetable, said pocket having a top opening and a bottom opening for the projection of the root end and stem of the vegetable therethrough respectively, means to trim the root end and sever the stem as the said link arrives at a predetermined place, means to move said two parts relatively apart at a predetermined discharge place to discharge the vegetable, means to operate said conveyor, said trimming and severing means, and means to initially move the vegetable outwardly of the pocket while resiliently retaining the vegetable within the pocket before the pocket reaches the discharge place of the machine and before the means to move said two parts relatively apart comes into operation, by virtue of all of which the vegetable will, after being loosened in the pocket, be retained in the pocket until the discharge place is reached.

2,571,532
INFLATABLE BATHING SUIT
Carl I. Briscoe, San Antonio, Tex.
Application July 24, 1950, Serial No. 175,497
2 Claims. (Cl. 9—20)



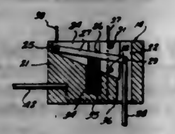
1. An inflatable bathing suit comprising a garment, an airtight storage space carried by said

garment, a sealable container in communication with said space, said container being formed to enclose a perforatable pressurized gas supply cartridge placed therein, a perforating means within said container having an operating plunger extending from the compartment, a vent valve opening from said container having a protruding valve stem spaced from said plunger, a rockable lever pivotally mounted between said plunger and stem, said lever being alternately engageable with said plunger and stem to perforate the cartridge and release gas under pressure from the container on alternate rocking of the lever.

2,571,533
METHOD FOR PREPARING HEAT-HARDENABLE ORGANOPOLYSILOXANE RESINS
Edgar C. Britton and Halbert C. White, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application March 29, 1947, Serial No. 738,230
4 Claims. (Cl. 260—46.5)

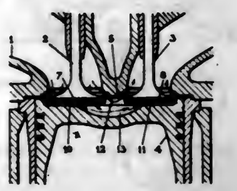
1. A method of preparing a solid resinous material from an organopolysiloxane containing monovalent hydrocarbon radicals as the organic portion of the molecule and having an average of at least one and less than 2 hydrocarbon radicals per atom of silicon, the hydrocarbon radicals being attached to silicon atoms, which method comprises heat-bodying said organopolysiloxane to a consistency intermediate between the starting organopolysiloxane and the solid resinous material, treating the intermediate product so obtained, in an inert solvent, with an alkaline reacting agent of the class consisting of alkali metal hydroxides and quaternary ammonium hydroxides in amount corresponding to from 0.5 to 1.25 gram molecular equivalents of the alkali per thousand gram atomic weights of silicon in the organopolysiloxane, and thereafter solidifying the resinous material.

2,571,534
WINDOW ALARM
James W. Brooks, Knoxville, Tenn.
Application January 20, 1950, Serial No. 139,569
3 Claims. (Cl. 200—54)



1. In a switch, an insulated body, a generally horizontal contactor arm pivoted at one end on said body and having a free end, a generally perpendicular contactor arm pivoted at its upper end on the free end of said horizontal contactor arm, upper and lower fixed contacts on said body located above and below said horizontal contactor arm, resilient means acting between said body and said horizontal contactor arm serving to normally position said horizontal contactor arm in an intermediate position wherein said horizontal contactor arm is vertically spaced from and out of contact with said upper and lower contacts, an annular contact on said body surrounding said perpendicular contactor arm with which said perpendicular contactor arm is normally out of contact, and means electrically connecting said upper, lower, and annular contacts together.

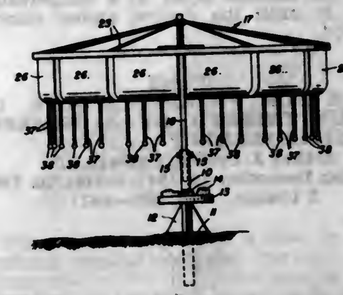
2,571,535
VALVE-CONTROLLED FOUR-STROKE CYCLE INTERNAL-COMBUSTION ENGINE
Alfred Büchi, Winterthur, Switzerland
Application December 30, 1947, Serial No. 794,504
In Switzerland December 24, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires December 24, 1958
5 Claims. (Cl. 123—32)



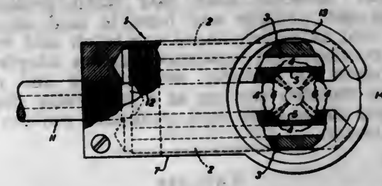
1. In a valve controlled four-stroke cycle internal combustion engine operating by means of scavenging and charging of the compression space and having a cylinder, a cylinder head covering and enclosing one end of said cylinder, intake and exhaust valves in said cylinder head opening into the closed end of said cylinder, said valves having valve discs which, as the valves open, extend into the cylinder, a piston reciprocating in said cylinder which piston approaches closely said cylinder head in outer dead center position, the combination therewith of a precombustion chamber into which fuel is injected, at least partially ignited therein and discharged therefrom with unburned fuel into the area of said cylinder immediately adjacent said cylinder head, a head for said piston, said piston head being recessed to form a trough-like depression within its circumference, said depression in the piston head serving to receive the discharge from the pre-combustion chamber and providing part of the combustion space, said depression having shallow areas adapted to receive the intake and exhaust valves in at least partly open position when the piston is in outer dead center position, and said depression having further a communication passage extending between said shallow areas, said passage being relatively constricted at a segment of its length intermediate said shallow areas, and said passage being increasingly deepened toward a point in the vicinity of said segment, thereby to increase the through-flow sections between the inlet and outlet valves and said segment to facilitate the flow of the stream of scavenging air between said valves.

2,571,536
ANIMAL-ACTUATED INSECTICIDE DISTRIBUTOR
Arthur C. Bush, Huntington Park, Calif., assignor of fifty per cent to Merrill D. Reed, Covelo, Calif.
Application October 30, 1947, Serial No. 783,020
4 Claims. (Cl. 119—159)

1. An animal-actuated insecticide distributor comprising a standard, a spider which includes a disk secured to an intermediate portion of the standard, arms radiating from said disk and carrying a pair of concentric horizontal rings, a collar secured to an upper end portion of the standard, and radiating braces secured to and between said disk and said collar, an annular row of insecticide tanks supported on and between said coaxial rings in spaced relation to the ground, said insecticide tanks lying in spaced concentric relation about the axis of the standard, means suspended from each tank for contacting an animal passing therebeneath and causing the discharge of insecticide from the tank onto the animal, means supported by the standard below the level of the tanks for supporting substances which will entice animals to pass beneath the tanks, said collar and disc being vertically adjustable on said standard to allow adjustment of the distance between the tanks and the ground whereby herds of different heights may be treated.



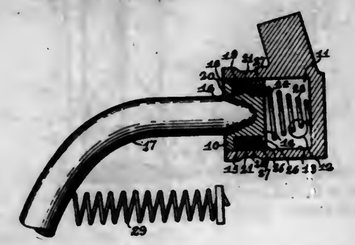
2,571,537
MULTIPLE GAS BURNER FOR TIPPING-OFF GLASS ARTICLES
Paul O. Cartun, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 15, 1946, Serial No. 690,814
2 Claims. (Cl. 158—104)



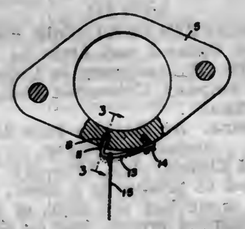
1. A gas burner comprising a hollow head portion having a pair of parallel, hollow arms extending therefrom, communicating therewith, spaced a small distance apart and having closed distal ends, the walls of the facing sides of said arms being provided adjacent their closed distal ends with opposed notches elongated along the length of the arms and having beveled sides and jet openings in said beveled sides communicating with the hollow interior of said arms, the said beveled sides being substantially equidistantly spaced apart so as to lie substantially at the corners of a square, said jet openings having their axes at substantially forty-five degree angles to the longitudinal axes of said arms and at substantially a ninety degree angle to each other to direct gas jets radially toward a common center, and a conduit for connecting a gas supply to said burner head and communicating with the hollow interior of said arms.

2,571,538
HYDRAULIC PISTON
Elman Christensen, Montreal, Quebec, Canada
Application December 5, 1947, Serial No. 789,944
In Canada September 17, 1947
9 Claims. (Cl. 309—34)

1. An expansion sleeve useful in a piston and piston-sealing structure for reciprocation in a fluid-containing cylinder in which the piston has a cylinder-engaging body and a central cylindrical projection of reduced diameter extending axially from the body, and a resilient expansion ring fitted over the projection and having base portions abutting the piston body and engaging the piston projection, and an outer annular wall for engaging the cylinder, said outer wall extending from said base portions and having an inner side spaced from the portions engaging the piston projection, the said expansion sleeve including a solid annular body having an inner side, an outer side, and adjoining the sides a leading end and a base end, the inner side including an inner annular face circumferential to the sleeve's longitudinal axis as a center constituting the diametrically innermost part of the sleeve and defining a central piston-receiving opening adapted to receive a piston projection for relative axial sliding movement, the outer side including an outer annular face circumferential to the sleeve's longitudinal axis as a center and adapted to be juxtaposed to said cylinder wall, the body intermediate the inner and outer faces constituting a connection-free spacing member adapted to intervene said cylinder wall and said piston projection, the base end including a face adapted to receive external pressure for urging the sleeve towards the said expansion ring on the piston, the leading end including an annular nose projecting axially of the sleeve and having a face inclined inwardly away from said outer side towards said inner side and adapted to engage the inner side of the outer wall of the expansion ring, the said nose having a tip spaced inwardly from the outer face whereby it is adapted to lie within the outer wall of the expansion ring.



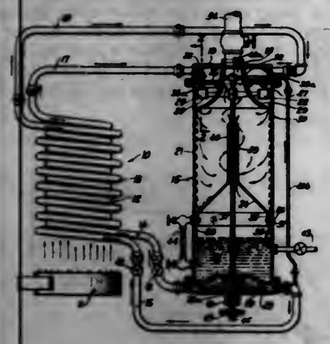
2,571,539
AIR CONTROL VALVE FOR CARBURETOR GASKETS
Cleve F. Christie, Knoxville, Tenn.
Application January 2, 1949, Serial No. 68,875
1 Claim. (Cl. 137—69)



A gasket comprising a flat ring-like body having a radial air inlet passage, a valve seat in the passage, a resilient wire valve having a tapered inner end engaging the valve seat and an angular outer end anchored to the gasket, and manipu-

lating means attached to the valve intermediate said ends to open the valve by a flexing of the outer end thereof.

2,571,540
BOILER CIRCULATING SYSTEM
Alick Cleghorn, Itasca, Ill., assignor of one-half to Vapor Heating Corporation, Chicago, Ill., a corporation of Delaware
Application April 29, 1948, Serial No. 23,949
6 Claims. (Cl. 122—411)

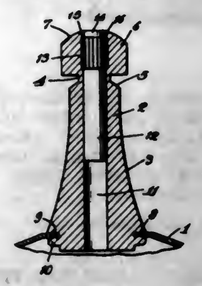


1. In a steam generating system in which an excess of water is circulated through a generator, the combination of the generator, a separator structure comprising a receiving chamber located in the upper portion thereof, a water storage chamber located in the lower portion of the separator structure, means defining a separating chamber for separating the steam from the water in a location intermediate said receiving and storing chambers, means communicating with said separator chamber and defining a steam outlet from the system, a conduit for delivering a mixture of water and steam from the generator into said receiving chamber, a turbine rotor positioned in said separating chamber at a location adjacent said receiving chamber, means defining a nozzle for directing the mixed water and steam from the receiving chamber against said turbine rotor to operate the same when the steam outlet is open, a centrifugal pump positioned in the water storage chamber, a conduit connecting the storage chamber with the water inlet to the generator, and means operatively connecting the turbine rotor with said pump, whereby operation of said turbine and pump forcibly recirculates the water from the storage chamber through the generator.

2,571,541
HIGH DEXTRIN DEXTROSE PROCESS
James Edwin Cleland and Alvin Le Roy Meyer, Granite City, Ill., assignors to Union Starch & Refining Company, Columbus, Ind., a corporation of Indiana
No Drawing. Application June 21, 1945, Serial No. 600,840
3 Claims. (Cl. 127—40)

1. A method of producing a clear, stable corn syrup which comprises the steps of hydrolyzing a starch containing protein and oil as impurities by acid and heat to a dextrose equivalent of about 16 to 24 and then without removing the precipitated protein and oil hydrolyzing the partially hydrolyzed syrup by a diastatic enzyme preparation to a D. E. of about 26 to 40, whereby a portion of the proteins are also hydrolyzed to soluble amino acids, removing the insoluble fats and proteins which remain and refining the syrup, evaporating the syrup to about 38–43° Bé., heating to about 180–240° F., filtering the hot liquor, heat treating the filtered liquor at a temperature of 180–240° F. until the desired amber coloration is achieved.

2,571,542
CLOSURE FOR POURING SPOUTS, CONNECTED THERETO BY A WEAKENED, FRANGIBLE ELEMENT
Arthur J. Collins, Chicago, Ill.
Application December 10, 1947, Serial No. 790,904
5 Claims. (Cl. 222—541)



1. A pouring spout shaped to provide a pouring passage within itself, said spout shaped to provide a weakened portion, and having an enlargement and a closing, and a reinforcing member of substantial length and of a relatively stronger material than said spout positioned within said passage and fixed to said enlargement and extending above and below said weakened portion, said weakened portion adapted to be broken by twisting, said closing and reinforcing member serving as a removable closure for said spout after said weakened portion has been broken.

2,571,543
CLOTH TOP SOCK
Walter F. Conner, Lowell, Mass., assignor to Hub Hosiery [illegible], Lowell, Mass., a corporation of Massachusetts
Application December 6, 1948, Serial No. 63,671
1 Claim. (Cl. 2—240)



As a new article of manufacture, a sock comprising foot and ankle portions of knitted fabric, and a tubular cuff of woven inelastic fabric stitched to said ankle portion, said cuff including longitudinal pleats extending from end to end thereof and further including a hem on its free end, and longitudinally spaced rows of circumferentially extending elastic stitches in the cuff for yieldingly resisting expansion thereof, certain of said elastic stitches further securing the hem.

2,571,544
METHOD OF PREPARING BONED TURKEY
Dominick Cutrera, San Francisco, Calif.
Application December 27, 1949, Serial No. 135,189
4 Claims. (Cl. 17—45)



1. The method of boning a fowl or the like, comprising forming incisions along each leg above the knee toward the hip joint, forming a second incision from the base of the tail under the rump vent to just back of the rearmost breast bone, removing the entrails through the second incision, cutting the meat from the bones and turning the meat back upon itself as it is cut, continuing to the head of the fowl and forming a third incision just back of the head, removing the meat which is turned inside out over the head to remove the skeleton of the fowl and thereafter turning the meat inside out to its original form.

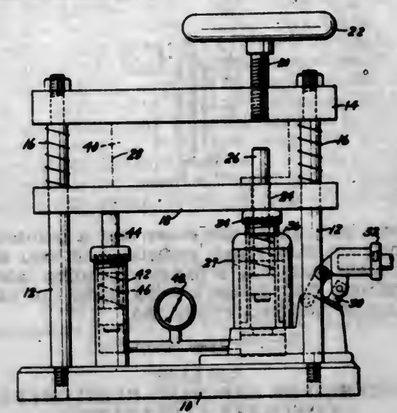
2,571,545
ASSEMBLING DEVICE AND APPLICATION THEREOF
Charles de la Source, Paris, France, assignor to Societe: Les Fils de Peugeot Freres, Valentigney, France, a French company
Application July 11, 1947, Serial No. 760,462
In France July 25, 1946
1 Claim. (Cl. 287—119)



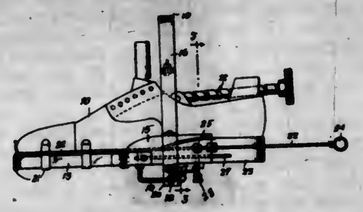
A device for assembling two parts, including the combination of a first part provided with a recess, a second part having a stud portion having a longitudinal blind bore opening therefrom, an insert of soft material confined inside said bore and a dowel of hard material, one end of which is adapted to fit the mouth of said bore to bear on the insert while its opposite end is adapted to project beyond said stud to contact the bottom of said recess upon the said stud portion being inserted therein, whereby bringing the two parts together under heavy pressure causes the insert to be compressed and the walls of said bore to be expanded into tight engagement with the inner wall of said recess.

2,571,546
MOLDING PRESS FOR PLASTIC DENTAL PLATES
Archie J. Desmeyers, Fitchburg, Mass.
Application September 14, 1949, Serial No. 115,650
4 Claims. (Cl. 18—5.7)

1. Apparatus for making dental plates of moldable plastic material comprising a base, guide rods thereon, relatively fixed and movable platens on the guide rods, a hydraulic ram on the base adapted to move the movable platen toward the fixed platen, a hole in the movable platen, and means operated by said ram for exerting pressure on molding material in a flask clamped between the platens, said ram comprising two plungers one of which is adapted to contact and move the movable platen and the other one of which is adapted to extend through the hole and beyond the movable platen into operative relationship with the flask.



2,571,547
SHOE SOLE FORMER
William H. Doherty, Elmhurst, N. Y.
Application February 1, 1949, Serial No. 73,883
10 Claims. (Cl. 18—34)

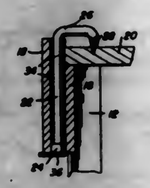


9. In a mold apparatus for forming soles on shoes having a connected upper and welt the improvement which includes a mold-band adapted to extend around the welt and with its bottom edge below the same, sole gripping posts adapted to be adjustably disposed on the opposite sides of the welt, means for adjusting said posts against the welt, clips adapted to extend around the welt and engaging the bottom of the band, a flexible connector engaging the clips and supported on said posts, an elastic device adapted to pass around the back of the heel and the shoe, the ends of said connector being joined to the elastic device and exerting tension thereon.

2,571,548
BASKET COVER FASTENER
James C. Doolittle and Eugene A. McCabe, Bell Glade, Fla.
Application February 13, 1948, Serial No. 8,136
2 Claims. (Cl. 217—69)

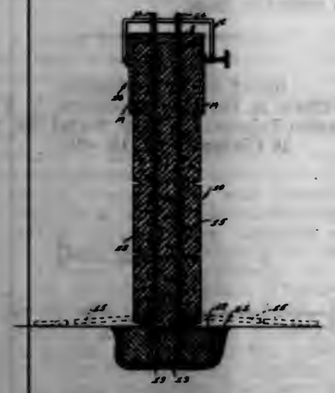
1. In combination, a basket having a reinforcing rim about its exterior upper portion, said reinforcing rim comprising inner and outer bands, a cover supported upon the reinforcing rim within the outer band and resting directly upon the

inner band, a cover fastener comprising a fastener plate secured in said reinforcing rim between said inner and outer bands, a shank swivelled on said plate and positioned entirely



beyond the rim of the cover and a pointed extremity on said shank embedded in said cover, said plate including a flange extending laterally therefrom, said flange seating upon the undersurface of said reinforcing rim.

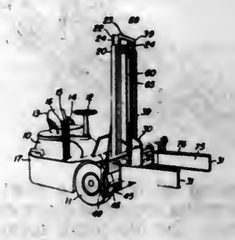
2,571,549
METHOD OF ERECTING REINFORCED CONCRETE STRUCTURES
Luther T. Dunning, Norfolk, Va.
Application June 20, 1949, Serial No. 100,215
2 Claims. (Cl. 25—154)



1. The method of constructing a reinforced concrete structure consisting of the steps of pouring a concrete footing of the structure, then bending end portions of reinforcing rods at an angle to the main portions thereof and to a length substantially equal to the depth of the footing, inserting the bent end portions of the rods vertically in the poured footing and resting the free ends of the main portions thereof on the ground to support the bent end portions in their inserted positions, permitting the concrete footing to set, and thereafter bending the main portions of the reinforcing rods into upright positions.

2,571,550
MATERIAL HANDLING DEVICE FOR INDUSTRIAL TRUCKS
Leslie G. Ehmann, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application June 11, 1948, Serial No. 32,429
7 Claims. (Cl. 214—66)

1. In a lift truck, a lift carriage, a pair of load arms on opposite sides of the carriage rigidly mounted on the outer ends of oppositely directed elongated slides, horizontal guides on said lift carriage supporting said slides for extension and retraction of said arms laterally of the truck, and a pair of horizontal fluid pressure cylinder and piston rod units disposed one above the other in overlapping relation, each of said units being connected between one of said load arms and the



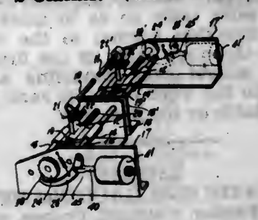
opposite side of the carriage, said cylinders each having a length approximately equal to three quarters of the width of the carriage to draw said arms together to a minimum spacing approximately equal to half the carriage width and to extend said arms to a maximum spacing approximately equal to twice the carriage width.

2,571,551
DUPLICATOR ATTACHMENT FOR STIFF LEDGER SHEETS
William Eichenbaum, Jersey City, N. J.
Application February 7, 1948, Serial No. 7,003
5 Claims. (Cl. 101—415.1)



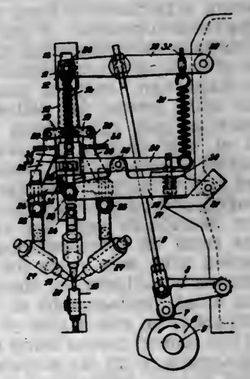
1. In a duplicating machine comprising a rotatable platen having a slot in its periphery intermittently opened and closed for normally securing flexible sheets to the drum by the complete closing of a slot, the combination of an insertible metal attachment for use with thick ledger sheets having rigid metal flanges and a body portion, the flanges being capable of being loosely positioned within a slot while in open position, the angle or shape which the flanges form with the body portion being substantially the same as that which the slot makes with the drum surface and the body portion contacting the surface of the drum solely by its weight and unaffected by any pressure caused by the engagement of the flanges or legs, permitting thick stiff ledger sheets to be readily inserted below said body portion, the flanges of the attachment being secured to the drum by the closing of the slot and the stiff sheets being secured to the platen solely by frictional engagement of the body portion and platen unimpaired by engagement of flanges and slot, whereby the sheet can be readily withdrawn from the attachment after a printing operation.

2,571,552
ELECTRODE FEEDING MECHANISM
James K. Elderkin, Montclair, and Frank J. Strassner, Maplewood, N. J., assignors, by mesne assignments, to Joseph J. Mascuch, Maplewood, and James K. Elderkin, Montclair, N. J.
Application August 24, 1946, Serial No. 692,852
2 Claims. (Cl. 314—68)



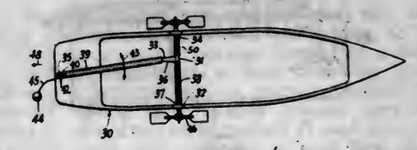
1. In an electrode feeding mechanism having a feed screw and an electrode carrier threadedly engaging said feed screw for movement of the carrier toward a second electrode on rotation of the feed screw in one direction, pawl and ratchet means engaging said feed screw to rotate the latter in said one direction, spring means to normally maintain said pawl and ratchet means engaged, a link connected to said pawl and ratchet means, means normally holding said link under tension in one position to cooperate in the operation of the pawl and ratchet means, and means to move the link to displace the pawl and ratchet means from the feed screw and to rotate the feed screw in a reverse direction.

2,571,553
CHAIN WELDING MACHINE
Paul Esser, Koln-Raderberg, and Peter Wilz, Koln-Bayenthal, Germany
Application October 31, 1949, Serial No. 124,594
In Germany March 22, 1949
7 Claims. (Cl. 219—4)



1. In an improved electric resistance butt-welding machine for chain links, the combination of a machine frame a cam shaft supported in the frame, two upper horizontal levers mounted with one end on fixed pivots on the machine frame and adapted to be vertically displaced by said cam shaft, two lower horizontal levers mounted with one end on fixed pivots on the machine frame below said upper horizontal levers, two substantially vertical connecting levers joined to the other ends of said superposed upper and lower horizontal levers to complete two parallel link motions on either side of a chain link to be welded, lost-motion joints between the upper horizontal levers and their connecting levers, two electrode supports depending from each connecting lever and attached through toggle means to the corresponding upper horizontal lever and adapted to move at least two side electrodes in pincer-like manner obliquely towards an upright chain link with the joint to be welded uppermost and at least one vertically slidable support at the lower end of each of said connecting levers for at least one upper electrode to be applied from above to either limb of the chain link.

2,571,554
SELF-PROPELLED TOY
Fred A. Fasano, New York, N. Y.
Application January 4, 1946, Serial No. 638,943
2 Claims. (Cl. 46—93)

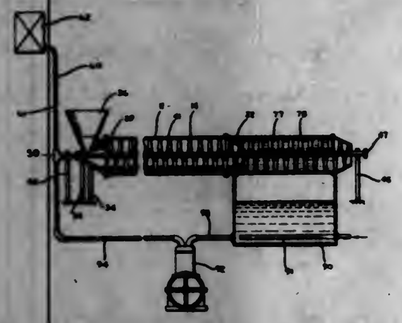


2. A toy, comprising a body, a transverse shaft in said body, and propelling means for said body on the shaft, whereby on rotation of the shaft, said means may cause the body to move, a resilient cord, like rubber, one end of the same being wound on said shaft, the other end secured on said body at a distance from said shaft and substantially perpendicularly to the axis of the shaft, a non-resilient cord, one end of the same wound around said shaft oppositely to said resilient cord, the other end of it being free, whereby upon a pull being exerted on the free end of said non-resilient cord, said resilient cord will be wound on said shaft and stretched, and upon releasing said non-resilient cord, the resilient cord will cause said shaft to rotate and the body will move, during said movement rewinding said non-resilient cord and making it ready for the next winding operation, a pin being secured on said body, and the other end of said resilient cord being secured to said pin, a tube pivoted at one end on said pin, its other end being turned towards said shaft, both the resilient and nonresilient cords being passed through said tube, the non-resilient cord projecting through its pivoted end whereby upon the winding and unwinding of the device, said cords will be guided by said pivoted tube.

2,571,555
APPARATUS FOR TREATING GRAIN
Daniel Salomon Fernandes, Paramaribo, Surinam, Dutch West Indies, assignor to Vita-Rich Rice Process Ltd., New York, N. Y., a corporation of New York
Application April 22, 1949, Serial No. 88,945
In the Netherlands September 9, 1948
7 Claims. (Cl. 99—237)

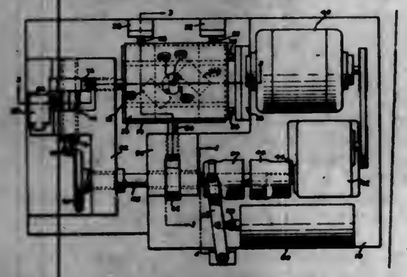
3. An apparatus for treating with a fluid medium grain, particularly rice, for preserving its vitamin contents, said apparatus having a cylindrical drum, bearing means and driving means associated with said drum for respectively rotatably supporting and driving said drum, a stationary foraminated central tube disposed within said drum along the longitudinal axis thereof, a

feed line connected to said central tube for admitting thereto said fluid medium, a helical conveyer blade disposed within the drum, extended the length thereof and secured with its outer margin to the inner wall of said drum and with its inner margin ending with clearance off said central tube, said conveyer blade and said drum adapted, on rotation, to convey said grain in a thin layer within and longitudinally of said drum with the surfaces of the individual grains readily and uniformly accessible to treatment; said apparatus further including a feeding device comprising an end piece in form of a hollow truncated cone mounted at the feeding end of the drum, a stationary hollow cone being provided



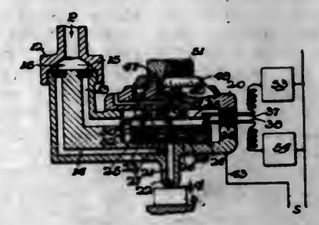
and disposed so as to extend with its axis horizontally and to engage with its base portion said truncated cone from the inside, a hopper for receiving the grain to be fed into the drum, said hopper being mounted on and opening into the top portion of said horizontally disposed cone at a distance from the axis thereof, said central tube being extended through the top of said horizontally disposed cone for connecting said central tube to said feed line; thereby feeding into the drum through the top part of said horizontally disposed cone simultaneously said fluid medium and said grain; the discharge end of the drum being open to the atmosphere thereby to treat said grain at atmospheric pressure.

2,571,556
MOVABLE WORKTABLE FOR PRESSES
Harold E. Folkerth, Sr., Dayton, Ohio
Application April 8, 1949, Serial No. 86,183
4 Claims. (Cl. 164—117)



1. An actuating device for actuating the work table to present work to an operating tool such as a drill press, punch press and the like, said actuating device including a cam, electromagnetically controlled clutch mechanism for intermittently rotating the cam, a cam follower actuated by the cam, said cam follower being connected to the work table so as to actuate the work table in response to changes in the contour of the cam, a second cam, means for driving said second cam, said means including a gear mechanism whereby the second cam makes a predetermined number of revolutions while the first cam makes one revolution, and a second cam follower actuated by the second cam, said second cam follower engaging the work table so as to move the work table in a direction normal to the movements imparted to the work table by the first cam follower, said second cam imparting a series of movements to the work table for each movement of the work table by the first cam.

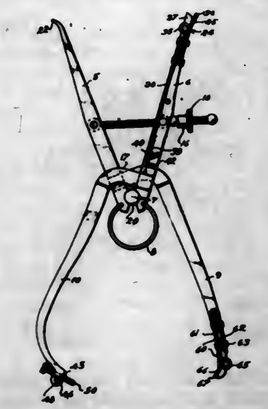
2,571,557
PNEUMATIC SIZE GAUGING DEVICE
André L. A. Fortier, Clamart, France, assignor to Etavex S. A., a corporation of Switzerland
Original application September 4, 1947, Serial No. 772,105. Divided and this application May 28, 1951, Serial No. 228,551
3 Claims. (Cl. 73—37.5)



1. A pneumatic gauge comprising a casing having a pair of separate gas chambers therein, said chambers having a common wall consisting of a flat, yieldable, elastic diaphragm of high sensitivity, a pair of perforated concave members straddling and holding the rim of said diaphragm against axial movement, said concave members having a permanent fixed relationship relative to the neutral position of the diaphragm to abut and thereby limit the axial displacement of the center of the diaphragm within the elastic limit of the diaphragm, each of said chambers having a gas inlet, means for delivering a gas under pressure to said inlets from a common source, each of said chambers having also an outlet, the outlet of one chamber being adapted to be disposed in proximity to a surface of an object to be gauged, the other outlet having an adjustable valve therein to vary the rate of discharge of gas from its corresponding chamber, means connected with said valve for indicating different positions of adjustment thereof, means for indicating axial displacement of the center of said diaphragm from either side of its neutral position, said last named means being inoperative when the diaphragm is in its neutral position, said indicating means comprising an operator connected to and movable with said diaphragm.

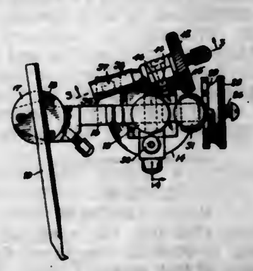
2,571,558
CALIPER FOR HIGH PRECISION MEASUREMENTS
Freeman C. Foss, Twin Falls, Idaho
Application October 23, 1946, Serial No. 705,029
5 Claims. (Cl. 33—149)

1. In a high precision caliper adapted for the transfer of measurements, spring pressed pivotally connected caliper legs, a threaded adjustment stem and means associated with said stem for adjusting the angular position of the caliper legs, a movable, pressure indicating contact device on one of said legs, consisting of a unilaterally supported wire bent to form an open loop, having a wire section fixed on one side of the leg, a freely movable wire section on the other side of said leg forming a contact indicating pointer, and a bent transverse section connecting the two



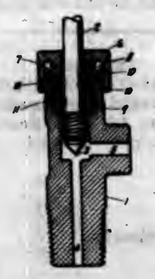
afore-mentioned wire sections and astride of the leg, said bent transverse section forming the contact making part of the leg on which the contact device is fixed which cooperates with a rigid contact point on the other leg of the caliper for taking a measurement between the caliper legs, a deviation indicating scale on the side of the leg facing the freely movable wire section, cooperating with the pointer forming wire section, the latter indicating the contact pressure applied during measurement on the scale.

2,571,559
TOOL POST
Tacitus W. Gaillard, Baldwin, N. Y.
Application August 15, 1947, Serial No. 768,848
1 Claim. (Cl. 82—37)



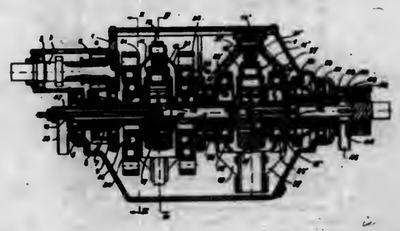
In a device of the class described, a post, a shoe associated therewith and having a lower curved surface, a seat on which the shoe rests and having a similarly curved surface, a stud on one end of the shoe, a threaded member loosely connected at one end to said stud, a block connected to the post and having a rotatable threaded sleeve through which said threaded member extends, and a wheel on the sleeve whereby turning the wheel will longitudinally move the threaded member to move the shoe longitudinally of its seat to alter the slope of the shoe.

2,571,560
PACKING STRUCTURE
John F. Gall, Narberth, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 28, 1947, Serial No. 757,914
7 Claims. (Cl. 288—2)



7. A unitary packing adapted for use with highly corrosive materials, said packing having an impervious sealing portion formed of a material partially resistant to said corrosive materials and a pervious sealing portion formed of a material having considerably greater corrosion resistant properties with respect to said corrosive materials than the material of said first mentioned portion, said pervious portion being provided with a plurality of tortuous passages which permit only a relatively slow passage of said corrosive material through said pervious portion on failure of said impervious portion, said portions being so positioned with respect to each other that said pervious portion formed of relatively higher corrosion resistant material is between said corrosive material and said impervious portion.

2,571,561
HYDRAULIC TRANSMISSION
Louis Genety, Lyon, France
Application December 3, 1948, Serial No. 63,341
In France August 9, 1948
3 Claims. (Cl. 60—53)



2. A hydraulic transmission gear comprising a first rotatable shaft adapted to receive the torque to be transmitted; a second rotatable shaft in line with said first rotatable shaft; hydraulic pump means for torque transmission from said first rotatable shaft to said second rotatable shaft while permitting a speed difference between both; outwardly opening motor cylinders radially carried by said first rotatable shaft; pistons in said motor cylinders; means to connect said pistons with an annular member surrounding said motor cylinders; a pair of annular supports to rotatably carry said annular member on each side of said cylinders; a pair of pivoted arms articulated on each of said supports at substantially opposed points thereof

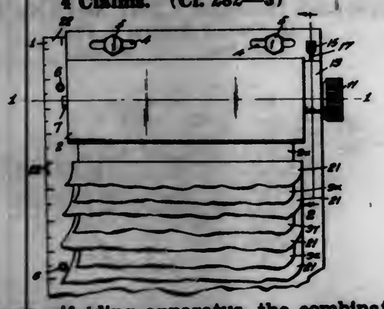
with respect to the geometrical axis of said annular member, said arms being equal in length and disposed in substantially parallel and opposed relation; means to displace said supports in unison to vary the eccentricity of said annular member with respect to said first rotatable shaft; and distributing means for said motor cylinders, said distributing means receiving liquid under pressure from said hydraulic pump means.

2,571,562
BELL HOUSING REPAIR ASSEMBLY
Theodore C. Gerner, Oklahoma City, Okla.
Application May 16, 1947, Serial No. 748,603
3 Claims. (Cl. 64—32)



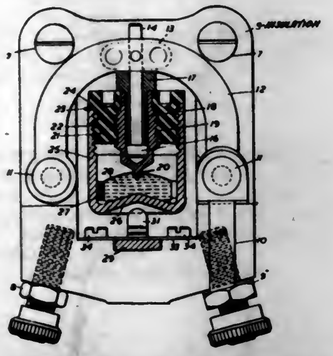
1. A repair unit for bell housings comprising a replacement bearing insert having outer and inner bearing surfaces, said surfaces comprising spherical segments of substantially the same radius as the bearing surfaces of a bell housing, and a flange carried by said insert for attachment to a bell housing flange, said flange having circular parallel surfaces, the center of said spherical surfaces coinciding with the centers of the circular parallel surfaces.

2,571,563
APPARATUS FOR EFFECTING TRANSCRIPTIONS
Géza Goldberger, Budapest, Hungary
Application March 14, 1947, Serial No. 734,596
In Hungary October 26, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 26, 1962
4 Claims. (Cl. 282—3)



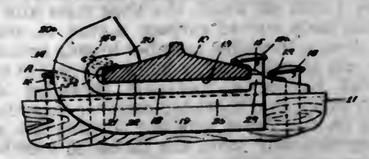
1. In manifolding apparatus, the combination of a quadrilateral plate for supporting the sheets to be operated upon; a casing having an open bottom; a shaft journaled in said casing and having an end protruding from said casing; at least one manifolding sheet coiled thereon, said shaft with said sheet coiled thereon being insertable and removable through said open bottom; means, on said end, for rotating said shaft to coil and uncoil said sheet onto and off of said shaft; and means adapted to mount said casing at the edge of a selected side of said plate, said casing with its contents being axially adjustable relative to said plate, whereby said manifolding sheet is shiftable on said plate, and means adapted to fasten said casing to said plate in selected adjusted positions.

2,571,564
ELECTRIC SWITCH
Rudolf Goldschmidt, Eckington, Sheffield, and Albert Edward Wood, Birmingham, England, assignors to The Birmingham Small Arms Company Limited, Birmingham, England, a British company
Application January 11, 1949, Serial No. 70,222
In Great Britain January 14, 1948
4 Claims. (Cl. 200—80)



2. An automatic electric switch comprising a container having a wall made of metal adapted for frictional driving engagement on its outer surface, an electrically insulating closure member secured to the upper end of the container, a quantity of mercury within the container in constant electrical contact with the metal wall thereof, an electrode comprising an electrically conductive sleeve secured in and depending from the closure member co-axially with the container and closed at its lower end to contact the mercury, bearing means including an electrically conductive bearing bush secured rigidly within said sleeve and the container and electrically connected to said sleeve but electrically insulated from the container wall, and a non-rotatable electrically conductive bearing spindle co-axial with the container and having means for supporting it and on which said bush is supported and maintained rotatably to support the container and allow it to rotate about a substantially vertical axis, said depending electrode sleeve being electrically connected to and co-axial with said bearing bush, whereby the mercury under the action of centrifugal force makes and breaks contact with the lower closed end of said electrode sleeve at predetermined speeds of rotation of the container to make and break the circuit between the bearing means and the wall of the container.

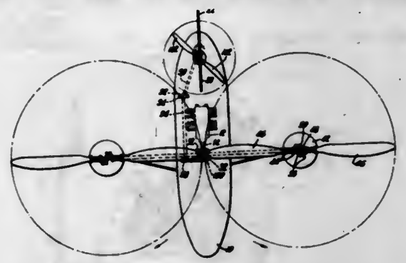
2,571,565
RAIL ANCHOR
John L. Grant, Chicago, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application January 27, 1949, Serial No. 73,069
2 Claims. (Cl. 238—327)



2. A rail anchor comprising a bar including an under-rail body portion bent at one end into

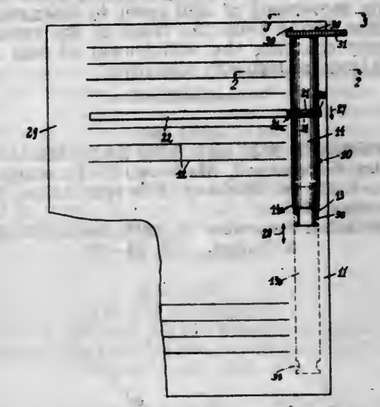
hook form to provide upper and lower jaws for gripping the top and bottom surfaces, respectively, of one base flange of a railroad rail and formed at the other end with means for engaging the other base flange of the rail to lock the anchor in its applied position on the rail, the said bar being of T-shape in cross-section including a pair of connected laterally projecting flanges extending the full length of the bar and providing a platform for engaging the bottom of the rail and also extending around the inner surface of said hook to provide a surface, corresponding in width to said platform, for gripping the top surface of the first mentioned base flange, and a centrally disposed vertical flange, a portion of which depends from the juncture of said horizontal flanges and another portion extends around the outer surface of said bend and said upper jaw to reinforce the same; said vertical flange being offset laterally toward the outer edge of one of said horizontal flanges along a line extending lengthwise of said platform and across the portion of said vertical flange lying beneath the hook-shaped bend, the offset portion providing a tie abutting flat face standing perpendicular to the top plane of said platform and spaced outwardly from the vertical side planes thereof so that the platform of the anchor will be spaced outwardly from an adjacent crosstie when the anchor is in its applied position on a rail and so that the portion of said lateral offset located beneath the bend of the hook will yield in response to the compression forces in the vertical flange when the upper jaw is flexed upwardly relative to the lower jaw.

2,571,566
CONTROL SYSTEM FOR MULTIPLE ROTOR HELICOPTERS
John A. Green, Wakarusa, Ind.
Application January 4, 1949, Serial No. 69,202
3 Claims. (Cl. 244—17.23)



1. In a helicopter having a fuselage, a pair of main rotors carried by said fuselage in laterally spaced balanced relation for rotation about vertical axes, a rear rotor carried by said fuselage for rotation on an axis disposed at an angle to the vertical and spaced rearwardly from said main rotors, each of said rotors including a plurality of radial vanes rotatable about their respective longitudinal axes, and mechanism for controlling the angular disposition of the vanes of each rotor simultaneously and including a rotatable member journaled in said fuselage, linkages connecting said main rotors with said rotatable member to be actuated simultaneously by rotation thereof to produce like pitch changes in the vanes of the main rotors, a control lever pivoted to said rotatable member about an axis transverse of the axis of rotation of said member, linkage connecting said control lever with said rear rotor, displaceable means connected to the linkages associated with said main rotors arranged to actuate said last named linkages simultaneously to produce opposite pitch changes in the vanes of said main rotors and independently of said rotatable member and including a second control lever.

2,571,567
LINE INDICATOR AND COPYHOLDER
George Greenberg, Brooklyn, N. Y.
Application July 10, 1946, Serial No. 682,669
10 Claims. (Cl. 116—119)



1. A line indicator comprising, in combination, a substantially heavy bar having a plane base, being substantially higher than the width of its base and adapted to be placed on a page of a book or a sheet of paper or other material by said base, a resilient loop of a strip of material encircling the top and sides of said bar, the lower ends thereof being slightly above said base, and said strip being slidable on said bar while pressing on its sides, and a lateral arm bent out to one side from said strip at one of its lower ends whereby said arm is adapted to indicate a line on said page of a book or sheet of material.

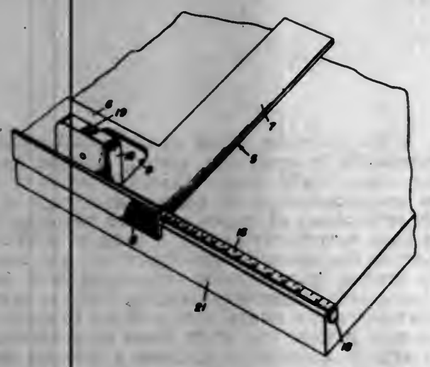
2,571,568
MECHANISM FOR LATCHING A RECEPTACLE AND COVER IN A RECESS
Francis T. Greenup, Merrick, N. Y., assignor to REF Manufacturing Corporation, Mineola, N. Y., a corporation of New York
Application May 5, 1948, Serial No. 25,245
7 Claims. (Cl. 292—3)



1. The combination, with a frame having a horizontal recess open at the front and a receptacle slidably received by said recess with a substantial amount of vertical play, said receptacle having a cover which is formed with a relatively shallow flange at least at the forward end thereof to engage over the receptacle, of a device for locking said receptacle in said recess, said device comprising a rearwardly and downwardly inclined latch member pivotally suspended from said

frame above the rear portion of said receptacle when the latter is fully inserted into said recess, spring means urging said latch member into engagement with a serrated surface portion of said cover, an operating member for withdrawing said latch member from engagement with said serrated surface portion, and a locking member mounted on said frame above the front portion of said receptacle when the latter is fully inserted into said recess, said locking member being selectively displaceable between an operative position, in which it bears upon the front portion of said cover, and an inoperative position, said locking member in its inoperative position being sufficiently removed from said cover to allow upward tilting movement of said cover to disengage said shallow flange from the front of the receptacle, thereby enabling the withdrawal of said receptacle from underneath said cover.

2,571,569
COMBINED SQUARE AND TAPE MEASURE
Walter Greenwood, Madison, N. J., assignor of one-half to Richard Edward Allen, South Orange, N. J.
Application November 29, 1948, Serial No. 62,474
6 Claims. (Cl. 33—75)



1. In combination, a square having an opening, a tape measure positioned in the opening, and mounting means for the tape measure in the opening and swingably supporting the tape measure for movement into a position at either side of the square, said tape measure including a housing and said mounting means comprising a supporting member in the opening, and a resilient member connecting the tape measure housing to the supporting member and yieldingly urging the tape measure housing in an upwardly inclined position from said member.

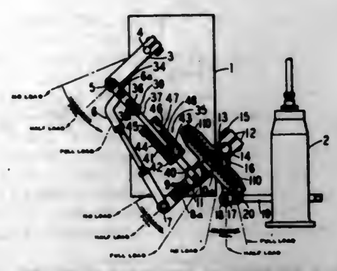
2,571,570
MULTIPLE SOCKET WRENCH
Smith Hagar, Pittsburgh, Pa.
Application November 14, 1949, Serial No. 126,985
1 Claim. (Cl. 81—185)

A multiple socket wrench comprising an outer sleeve of considerable length and having a cylindrical bore, a cylindrical inner sleeve of similar length and having a cylindrical bore, said inner sleeve being slidably engaged in and longitudinally adjustable in the bore of said outer sleeve, each end portion of the walls of said bores in said outer and inner sleeves being formed with a polygonal-shaped socket, each of said sockets varying in size relatively to the size of any of the other of said sockets, said outer sleeve being provided with two pairs of apertures disposed adjacent to respective ends thereof with the apertures of each pair of apertures being diametrically opposed to each other, said inner sleeve being provided with a plurality of spaced pairs of apertures with the apertures of each pair of apertures being diametrically opposed to each other, the outer surface of said inner sleeve being provided with a groove



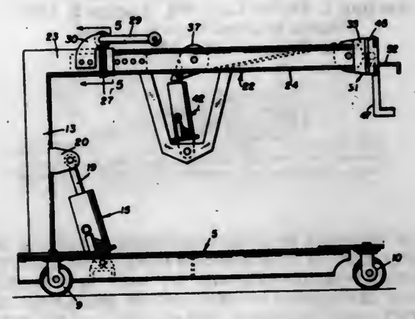
extending throughout the length thereof, a guide screw threadedly engaged adjacent to each end of said outer sleeve and engaging in said groove for preventing the rotation of said inner sleeve in said outer sleeve to maintain the registrable alignment of respective pairs of apertures in said sleeves, a holding pin engageable in any of the registering pairs of apertures for securing said inner sleeve in its adjusted position in said outer sleeve, and an operating rod engageable in any of said pairs of apertures in said sleeves.

2,571,571
ACCELERATION ELEMENT FOR FUEL CONTROLLING MEANS FOR INTERNAL-COMBUSTION ENGINES
Harvey W. Hanners and Carl W. Arcesn, Springfield, Ohio, assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 18, 1947, Serial No. 780,656
10 Claims. (Cl. 123—140)



1. In an internal combustion engine provided with an engine driven governor to regulate fuel from a source of supply to said engine in response to load demands through a linkage system including an arm actuated by said governor, a spring, an articulated control lever assembly normally held in a neutral position by said spring and an acceleration element pivotally connected between said arm and said lever, said element acting in response to said governor to cause the rate of change of quantity of fuel supplied to said engine to be substantially altered during periods of rapid motion of said governor arm and said spring acting to stabilize said lever in its neutral position at its adjusted setting after the rapid motion of said governor arm ceases.

2,571,572
HOIST FOR REMOVING AND INSTALLING SPRINGS ON BUSES, TRUCKS, AND THE LIKE
David L. Harmon, Indianapolis, Ind.
Application March 10, 1947, Serial No. 733,666
6 Claims. (Cl. 214—1)



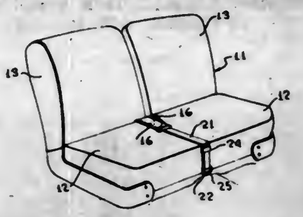
1. A portable hoist of the class described including a frame, a mast pivoted to the frame for vertical swinging movement, a rotatable boom at the upper end of the mast, a work clamping member pivoted to the outer end of the boom for swinging movement on an axis transverse to the axis of the boom, and power means connected to the work clamping member for adjusting the latter on its pivot.

2,571,573
METALLIC SURFACE FOR BUTTER CHURNS
Fernand Jean Joseph Julien Henrard, Remicourt, Belgium, assignor to Ecrémeuses Mélotte, Société Anonyme, Remicourt, Belgium, a Belgian company
Application July 14, 1945, Serial No. 605,084
In Belgium July 27, 1944
4 Claims. (Cl. 29—180)



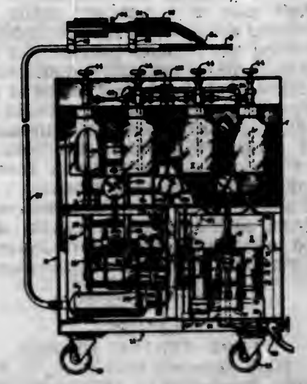
1. In an apparatus for the production and manipulation of butter, a surface moisture retaining element intended to be initially wetted and maintained in a wetted condition in contact with a butter mass in a churn or the like, comprising a metallic plate having one surface provided with alveoli formed by capillary cells, the walls of adjacent cells converging and intersecting in a line, all the lines being substantially in a common plane whereby the surface of said plane is reduced to a minimum exposed area, the wetting medium being retained in said cells by capillary attraction, said medium connecting adjoining cells across said edges where it is retained by surface tension, whereby the entire surface of the plate is maintained in a wetted condition.

2,571,574
GAP COVER ATTACHMENT FOR AUTOMOBILE SEATS
Earl J. Hicks, Gouverneur, N. Y.
Application November 17, 1950, Serial No. 196,211
3 Claims. (Cl. 155—182)



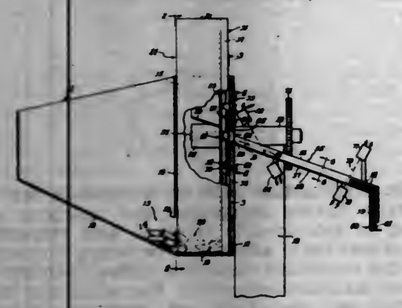
1. In combination with an automobile seat of the type having respective seat cushions arranged in side-by-side relation, and respective pivoted seat backs adapted to be swung forwardly over the respective cushions, a flap member of flexible material secured to the adjoining rear marginal portions of the seat cushions and arranged to cover the gap between said adjoining rear marginal portions.

2,571,575
STEAM CLEANER
John C. Holmes, Signal Mountain, Tenn.
Application July 3, 1947, Serial No. 758,966
11 Claims. (Cl. 299—83)



1. Cleaning or washing apparatus having a series fluid path comprising a boiler, means for connecting a source of water under pressure to a common input orifice for said boiler, independent means for connecting a source of compressed air to said input orifice, a mixing chamber, means for connecting the outlet of said boiler to said mixing chamber, a high velocity discharge nozzle separate from said mixing chamber, conduit means for connecting said mixing chamber with said nozzle said boiler forming a fluid conduit interposed in the fluid path between said common input orifice and said mixing chamber for imparting heat to the water and compressed air coupled therethrough, and valve means intercoupled between the means for coupling the compressed air and water to said common orifice for selectively controlling the flow of air and water therethrough, whereby said valve means may be adjusted to supply either steam, hot water, a mixture of air and steam, a mixture of air and hot water, and hot air only to said discharge nozzle.

2,571,576
ROTARY DISK HOPPER FEED FOR CYLINDRICAL ARTICLES
Marion D. Hopkins, River Forest, and Aage Johnsen, Elmwood Park, Ill., assignors to Hopkins Machine Corporation, a corporation of Illinois
Application August 3, 1948, Serial No. 42,224
10 Claims. (Cl. 10—169)



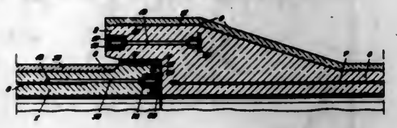
1. Feed apparatus for elongated cylindrical articles comprising, in combination, a hopper for receiving an unarranged quantity of said articles, rotary mechanism embodying a plurality of pick-up blades on one side of said rotary mechanism for receiving the articles by gravity from said hopper, pocket means on the opposite side of said rotary mechanism including common pocket means adjacent the center of said rotary mechanism for arranging the articles preliminarily with their axes in a common plane, individual pocket means associated with the said mechanism for receiving the articles individually by gravity while in said plane, said individual pocket means being arranged about the periphery of said rotary mechanism and disposing the articles with their axes radially of said mechanism in said common plane, a central opening in the rotary mechanism for the passage of articles from the said blades by gravity into said common pocket, and means for delivering the articles successively laterally from said individual pockets at a predetermined point in the rotation of the mechanism, aligned with the axes of the articles parallel.

2,571,577
TAPE STRING DIAPER
Ruth Howard, New York, N. Y.
Application December 17, 1947, Serial No. 792,127
3 Claims. (Cl. 128—284)



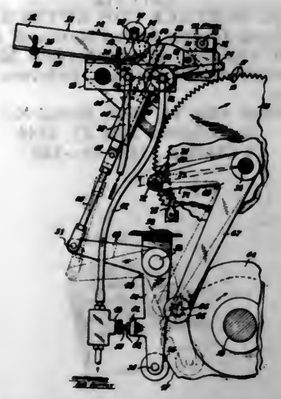
1. A baby diaper comprising an elongated piece of material having straight longitudinal side edges, said piece of material having folds in the center portion thereof extended parallel to the length of said piece of material, means securing said folds in position forming a multiple thickness at the center portion of the piece of material and leg receiving curved side edges intermediate the ends of said longitudinal side edges, and means securing said piece of material to an infant with its legs extended over the inwardly curved sides of the diaper.

2,571,578
HOLLOW ARTICLE OF CONCRETE AND THE LIKE
Christian Marie Corneille Janssens van der Maelen, Crainhem, Belgium, assignor to Société Continentale et Coloniale de Construction, Société Anonyme, Brussels, Belgium
Application February 4, 1946, Serial No. 645,395
In Belgium March 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 1, 1963
2 Claims. (Cl. 138—84)



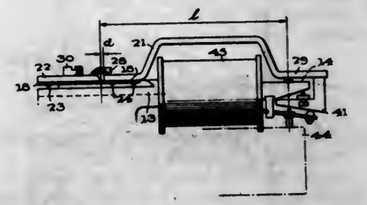
1. A concrete conduit comprising opposing end sections and an intermediate section, longitudinal unstressed reinforcements in said intermediate section, transverse reinforcement means on said conduit and extending substantially the entire length thereof and short prestressed rod elements entirely disposed longitudinally within each of the end sections and anchored at their opposing ends to the end sections.

2,571,579
FILAMENT COIL FEEDER
Alonzo C. Jones, Hamilton, Ontario, Canada, assignor to Canadian Westinghouse Company, Limited, Hamilton, Ontario, Canada
Application April 18, 1949, Serial No. 88,153
8 Claims. (Cl. 214—1)



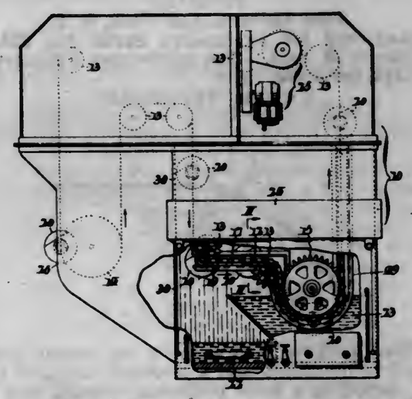
1. A machine for moving coils from a quantity thereof and placing them one by one in consecutive indexed notches of an indexing notched feeding drum, comprising a guide above the drum and bridging the space between it and said coils, a vacuum pick-up finger with a notch just the right size for the reception of only one coil, a bearing block, a vacuum connection to said block, a hollow shaft pivoted in said block, formed with a slot connecting its interior with said vacuum connection when said shaft is in certain angular positions in said block, a gear wheel fixed on said shaft, and means for oscillating said gear wheel to cause said finger to engage said coils, pick up one therefrom, and deposit it on said guide to allow it to drop into an indexed notch in the feeding drum therebeneath.

2,571,580
BEARING DEVICE FOR RELAY ARMATURES AND THE LIKE
Anders Ossian Jörgensen, Traneberg, Sweden, assignor to Telefonaktiebolaget L M Ericsson, Stockholm, Sweden, a company of Sweden
Application January 10, 1949, Serial No. 70,073
In Sweden January 28, 1948
1 Claim. (Cl. 175—345)



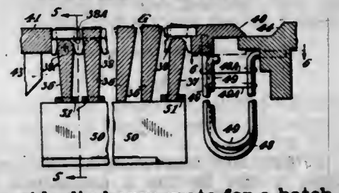
In an electromagnetic relay, in combination, a core having a winding-receiving portion and a wider end section having a plane area substantially parallel to the axis of said portion, an armature having a section extending alongside the said portion of the core and a flat part adapted to rest throughout a large area on the core plane area adjacent the said portion when the armature is attracted, said part being of such lateral width as to overhang the sides of said plane area, a plate of magnetic material secured to and contacting a large portion of said plane area beyond the armature part, similarly overhanging the sides of said area and having an edge substantially engaging the rear edge of the armature part throughout most of its width, a normally flat spring secured to the overhanging areas of said part and plate on the sides thereof facing the core and an integral hook on said plate closely overhanging said armature part and with said substantially engaging edges serving to prevent such accidental displacement of the armature as might damage the spring.

2,571,581
DEGREASING MACHINE
Thomas J. Kearney, Detroit, Mich., assignor to Detrex Corporation, Detroit, Mich., a corporation of Michigan
Application September 9, 1948, Serial No. 48,355
1 Claim. (Cl. 51—164)



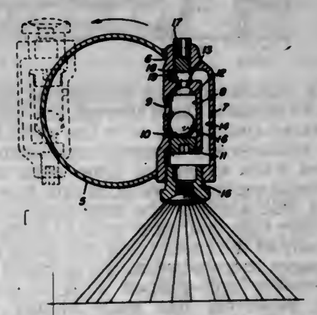
In a metal degreasing machine, a vapor solvent well and rinsing solvent well, a plurality of sprockets, a pair of conveyor chains in engagement with said sprockets, a plurality of cylindrical perforated work carriers rotatably mounted between the said conveyor chains, a pinion mounted integrally on one end of each said carrier, a rack for engaging said pinions, said rack being disposed over said vapor solvent well and extending into and out of said rinsing solvent well, a pair of guide rollers rotatably mounted on each said carrier at each end thereof, a top guide associated with and disposed over said rack for rolling contact with said guide rollers, an upper and lower guide mounted in paralleling relation on the side of the degreasing machine opposite from the side on which said rack is mounted, and disposed to receive said guide rollers there between with rolling contact, both said top and upper guides being upwardly curved at the entrance ends thereof which receive said guide rollers in operative rolling contact.

2,571,582
SIDE DISCHARGE GRATE FOR BATCH SINTERING MACHINES
Walter Kelsey, New York, N. Y.
Application July 19, 1949, Serial No. 105,571
10 Claims. (Cl. 266—21)



2. In a side discharge grate for a batch sintering machine, the combination of a sinter frame, a grate, said grate being composed of groups of grate bars abutting end to end and extending between each side of the grate space, parallel rows of groups of such grate bars extending the length of the grate space, the top of each of the grate bars being horizontal and free to tilt, oscillating centers for said grate bars spaced and held in fixed places, toothed spacing strips for spacing the centers of oscillation, means for supporting the grate bars, means on said supporting means engaging the bottom of the said grate bars, and means for oscillating the said grate bar supporting means.

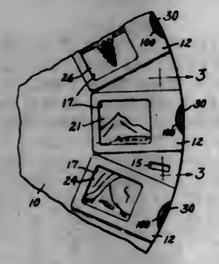
2,571,583
AUTOMATIC SPRAY NOZZLE VALVE FOR TUBULAR SPRAY BARS
Charles G. Kolbach, Union, N. J.
Application November 16, 1948, Serial No. 60,194
3 Claims. (Cl. 299—73)



1. A spray head comprising a reversible elongated body, a spray nozzle in one end of

the body, a chamber in the body connected to a liquid supply through an inlet in one side of the body, a valve seat in the chamber at the end of the body opposite from the nozzle, a captive valve in said chamber, and a passage in the body leading from the valve seat of the chamber to the nozzle, said valve opening and closing the passage when the body is reversed from one vertical position to the other.

2,571,584
STEREOSCOPIC TRANSPARENCY HOLDER
Karl F. Kurz, Portland, Oreg., assignor to Stereocraft Engineering Co., Portland, Oreg., a partnership
Application April 24, 1948, Serial No. 23,113
5 Claims. (Cl. 40—70)



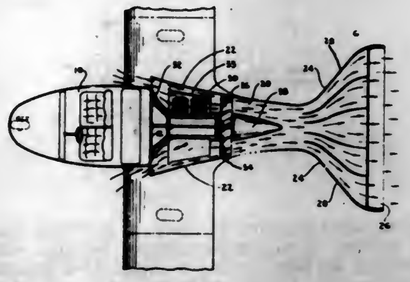
1. A holder for stereoscopic transparencies comprising a disc having a concentric ring of viewing apertures therethrough arranged in diametrically opposed pairs, said disc having a plurality of transparency holding pockets lying in the plane of the disc and opening toward the periphery thereof, each of said apertures being located within the confines of one of said pockets whereby stereoscopic pairs of transparencies may be removably mounted in the disc in proper relation to each other for stereoscopic viewing, each of said pockets being rectangular and of such dimensions as snugly to receive and frictionally to retain a standard transparency.

2,571,585
VENTILATOR
Francis M. Lambert, Narberth, Pa.
Application August 16, 1948, Serial No. 44,477
2 Claims. (Cl. 98—99.3)



1. A ventilator sheet comprising relatively flat walls at opposite faces thereof, the walls at one of said faces alternating with the walls of the other face, transversely disposed approximately ogee-shaped walls extending from each side edge of the first-mentioned walls of one face to the adjacent side edge of the first-mentioned walls of the other face, and said walls at each face longitudinally of the sheet being of greater extent than the spaces therebetween, the portions of said approximately ogee-shaped walls in line with opposite relatively flat walls having ventilating openings therethrough for protection by the said relatively flat walls.

2,571,586
AIRCRAFT OF THE REACTION PROPULSION TYPE
Frank B. Lane, Silver Spring, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application May 24, 1946, Serial No. 671,946
1 Claim. (Cl. 244—57)



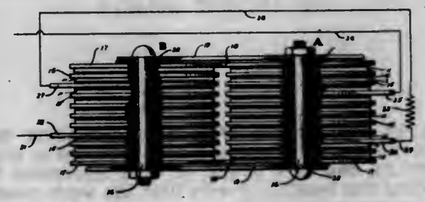
An aircraft of the reaction propulsion type having a fuselage, wings extending laterally from the fuselage and a vertical fin and horizontal stabilizer mounted on the rear of said fuselage, intake passages connected with intake ports respectively positioned on opposite sides of the fuselage to receive a continuous stream of the surrounding air, an elongated duct extending through a part of the fuselage substantially in the line of flight and being connected with said intake passages, said duct being flared laterally at its trailing end to form an elongated narrow exit port located in the horizontal stabilizer, an engine disposed centrally with respect to the duct having opposed cylinders extending respectively into the intake passages to permit air to pass over the cylinders and cool the same, an axial flow fan driven by said engine disposed entirely in said duct for forcing air therethrough and having blades having high angles of attack operating within and closely fitting the walls of said duct for increasing the velocity and energy of the stream of air flowing through said duct.

2,571,587
OSCILLATING NOISE MAKER FOR TOY PISTOLS
John Lattuca, New York, N. Y.
Substituted for application Serial No. 585,651, March 30, 1945. This application February 11, 1948, Serial No. 7,659
1 Claim. (Cl. 46—189)



Noise making means for a toy pistol having a hollow magazine and a pivotally mounted trigger including a lever projected upward into the hollow magazine to move upward within the magazine as the trigger is pivoted, said noise making means comprising an elongated piece of flexible metal positioned horizontally within the hollow magazine with its rear end in contact with the upper end of the lever to cause flexing of said piece of metal when the trigger is pivoted moving the lever upward, said piece of metal having a depression intermediate of its ends to produce a click when flexed, and laterally aligned lugs formed in the hollow magazine on opposite sides of the front end of the piece of metal, said piece of metal having notches in its sides adjacent its front end engaged by said lugs fixedly mounting said piece of metal in position in the hollow magazine with its rear end engaging the top end of the lever.

2,571,588
ALTERNATING-CURRENT RECTIFIER OF THE SELENIUM TYPE
George H. Leland, Dayton, Ohio
Application October 14, 1947, Serial No. 779,740
3 Claims. (Cl. 175—366)



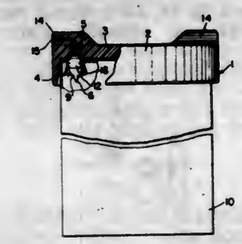
1. A rectifier of the selenium type comprising two stacks of rectifier cells, each stack including two groups of cells, the cells of the two groups facing in opposite directions and the cells in the corresponding groups in the two stacks facing in the same direction, means for electrically connecting the end cells of the two stacks one with the other, relatively thick heat storing conducting plates interposed between and having electrical contact with the adjacent cells in the respective stacks, each plate having a surface area approximating the surface area of the adjacent cells intermediate plates in corresponding groups in the two stacks having means for connecting therewith the respective sides of an alternating current supply line, the plates having contact with oppositely facing cells in the respective stacks having means for connecting therewith the respective sides of a load circuit.

2,571,589
BORING ATTACHMENT FOR ELECTRIC HAND DRILLS
Carl G. Lindell, Minneapolis, Minn.
Application December 9, 1946, Serial No. 714,979
1 Claim. (Cl. 144—93)

In a device of the class described, a long upright rod having on its lower end a floor-engaging member, a long tubular member telescoped onto the rod for endwise adjustment, means for securing the tubular member to the rod where endwise adjusted thereon, a hand drill having an upstanding chuck with its axis parallel to the axis of the rod, a fitting attaching the hand drill to the tubular member to turn about an axis perpendicular to the axis of the tubular member, a long tubular housing parallel to the tubular member, a clamp securing the tubular housing to the tubular member for relative lateral and swinging adjustment about the axis of the tubular member to align its axis with the axis of the chuck, a drive shaft in the tubular housing with its lower end portion held by the chuck, a bearing on the upper end portion of the housing, a bit holder journaled in the bearing, and meshing gears on the drive shaft and the bit holder.



2,571,590
MEANS FOR OPENING CONTAINERS
Charles Richard Logic, South Milwaukee, Wis.
Application June 8, 1949, Serial No. 97,736
2 Claims. (Cl. 222—86)

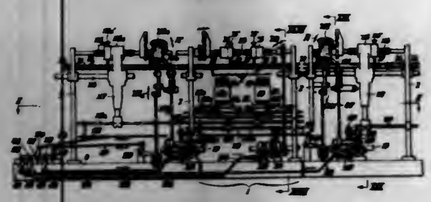


1. A container puncturing device comprising a body having a passage-way extending from one side to another side of said body, a two sided spade-shaped piercing prong carried by said body and adapted for movement into piercing engagement with a container, said prong having a passage-way in interconnecting relationship with the passage-way of said body whereby the contents of said container may pass to the exterior through said passage-ways, said piercing prong having a leading and trailing cutting edge formed at the juncture of said two sides and adapted to cut said container upon rotation of said device, and means carried by said prong for holding said device in operating position with said container.

2,571,591
STRAIGHT KNITTING MACHINE
Johannes Paul Ludwig, Milwaukee, Wis., assignor to Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 2, 1948, Serial No. 5,808
10 Claims. (Cl. 66—89)

1. In a straight knitting machine, a series of spring beard needles; a presser ledge; means for

normally actuating the needles so that the beards of all of them engage the presser ledge; auxiliary means for actuating the needles at other times with prevention of contact of their beards with the presser ledge; normally retracted idle presser elements associated with individual needles of a sectional group of the series; means for positioning the presser elements at the aforesaid times between the needles of the sectional group and



the presser ledge; a bar with knock-overs to cooperate with the needles; means for moving the knock-over bar outward relative to the presser ledge during fabric loop formation; and means fulcrumed on a fixed frame member of the machine and operative to cause the presser elements, when in active position, to move outwardly with the knock-over bar, as and for the purpose set forth.

2,571,592

PULL CORD SUPPORTING BRACKET

Ida Lundstrom, St. Louis, Mo.

Application July 28, 1950, Serial No. 176,437

7 Claims. (Cl. 254—190)



1. A pull-cord supporting bracket comprising a folded sheet of metal to provide spaced apart back and front plate-like members and having an elongated opening at the fold portion of the bracket, and horizontally spaced apart tubular means integral with the members and disposed therebetween to provide cord riding surfaces and openings to receive fastening devices to secure the brackets to a window casing.

2,571,593

PREPARATION OF STABLE LEUCO TOLUIDINE BLUE O SOLUTIONS

Bernice Marsh, Chicago, and Edmond E. Moore, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application October 16, 1950, Serial No. 190,438

4 Claims. (Cl. 260—243)

1. The process of preparing a stable antiheparin solution which comprises adding sodium hydrosulfite to an acidic aqueous solution of Toluidine Blue O contaminated with heavy metals while maintaining the solution acidic, and then separating the precipitate that forms in the resulting leuco Toluidine Blue O solution.

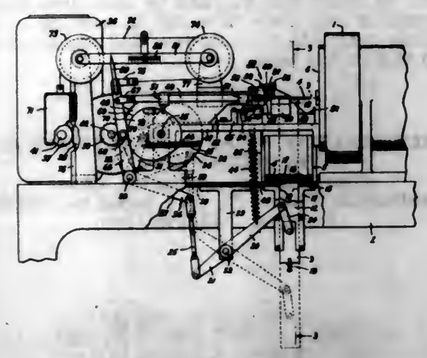
2,571,594

SWAGING MACHINE AND FEEDER THEREFOR

Clarence E. McKinsey, Painesville, Ohio, assignor to General Electric Company, a corporation of New York

Application November 3, 1945, Serial No. 626,557

4 Claims. (Cl. 78—97)



1. In combination with a wire-swaging machine of the type having a head adapted to taper down an end of a length of wire, apparatus for feeding the lengths of wire into the work-receiving aperture of the swaging machine head comprising a wire-storage hopper mounted adjacent the swaging head, transfer means for picking up the wires in said hopper one at a time and transferring them to a horizontally extending position opposite and longitudinally aligned with the said aperture, a carriage horizontally reciprocable towards and away from the swaging head to carry the positioned wire into and out of the swaging head aperture, said carriage being provided with chucking means arranged to grip and hold the said positioned wire in its said longitudinally aligned relation with said aperture during the reciprocating movement of the carriage, and means for actuating the transfer means and carriage in proper time relation, said actuating means comprising a cam, a follower riding on said cam and connected to the carriage to reciprocate the same, and a freely suspended weight connected to said follower for holding it in engagement with the cam and advancing the carriage towards the swaging head to press the wire carried thereby into the swaging head with uniform force.

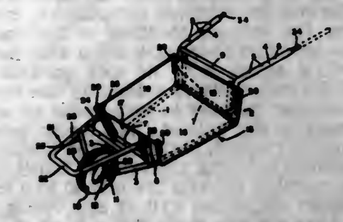
2,571,595

WHEELBARROW HAVING AUXILIARY SUPPORTING FRAME

Edward J. McLeary, Soap Lake, Wash.

Application March 27, 1950, Serial No. 152,029

2 Claims. (Cl. 280—52)



2. A wheelbarrow comprising a frame including side bars having front and rear posts, said side bars having portions extending forwardly from the front posts and constituting arms, bearings carried by front ends of said arms, a wheel rotatably mounted between said bearings, ears extending upwardly from said bearings at opposite sides of said wheel, an auxiliary frame over said wheel having side arms detachably connected with upper ends of the front posts, props extending downwardly from the side bars of the auxiliary frame and overlapping the ears, and bolts passing through the overlapping portions of the ears and the props and detachably holding the props connected with the ears.

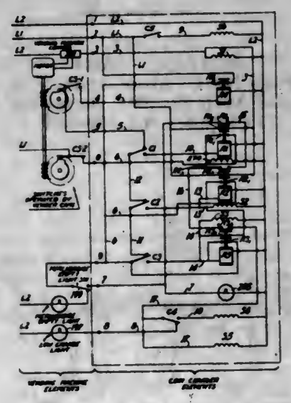
2,571,596

COMMODITY VENDING AND COIN CHANGE CONTROL MACHINE

Frank D. Meredith and Johnathon W. Hunsinger, Burlington, Vt., assignors to Bell Aircraft Corporation, Wheatfield, N. Y.

Application November 8, 1946, Serial No. 708,520

2 Claims. (Cl. 194—10)



2. In a coin controlled commodity vending machine, a first relay, a second relay, a normally open first contact operable by said first relay, a vending machine operation circuit including said first contact of said first relay in series for energization of said operation circuit, a control circuit comprising the coil of said first relay and an energy supply circuit and a normally open second contact of said first relay intermediately of said first relay coil and said supply circuit in series therewith, said energy supply circuit comprising a first cam-operated switch and a normally open contact of said second relay in parallel with said first cam-operated switch, a double throw switch biased to a first position and coin operable to a second position and connected to shunt said second contact of said first relay when said switch is in said second position, a holding circuit comprising the coil of said second relay and a second cam operated switch and said first position of said double throw switch and said energy supply circuit in series, and cam means operable by said vending machine operation circuit to close said second cam-operated switch at the initiation of a cycle of operation of said vending machine and to open said first cam operated switch immediately thereafter and to reopen said second cam operated switch just prior to the completion of said cycle and to reclose said first cam operated switch upon completion of said cycle, whereby operation of the said vending machine is initiated by coin operation of said double throw switch and consequent completion of a circuit through said first relay and said first cam operated switch and whereby said operation is continued by completion of a circuit through said first relay and through the contact of said second relay only if said double throw switch returns to said first position to complete said holding circuit.

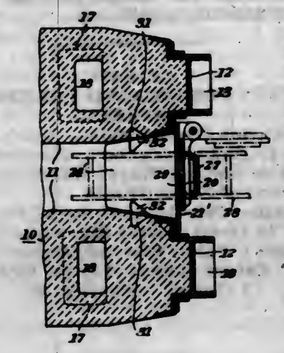
2,571,597

COKE-OVEN BUCKSTAY STRUCTURE

Robert K. Millard, Ingomar, Pa.

Application August 22, 1944, Serial No. 550,568

3 Claims. (Cl. 202—223)



1. In a coke oven, spaced walls defining a distillation chamber therebetween, each wall being built up between a pair of spaced, vertically disposed, metal H-beams, the webs of the beams being normal to the wall and the ends of the walls extending between the flanges of each beam, whereby the flanges at opposite sides of the web are subject to substantially equal heating, the web is protected from the oven temperature by the insulation of the wall portion between the flanges, and warping of the beams is minimized.

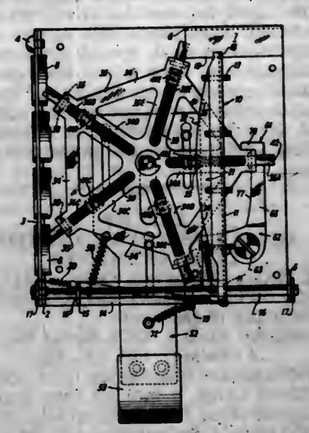
2,571,598

RADIO RECEIVER SEQUENCE TUNER

Charles Eugene Miller, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application May 13, 1946, Serial No. 669,235

26 Claims. (Cl. 74—10.15)



1. The combination, in radio apparatus, of an adjustable tuning element, a movable carrier

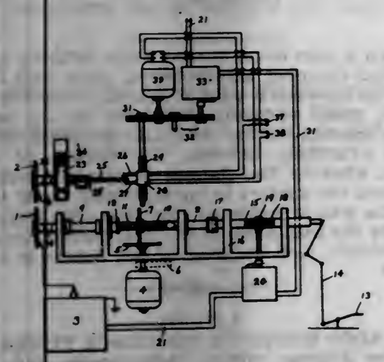
for said tuning element, a cam member movable with the carrier having a cam edge, a rotatable turret provided with a plurality of equi-angularly spaced stops, said stops being individually adjustable in a radial direction each to a position which determines the particular setting to which the tuning element is actuable, and means including a reciprocable member operable upon actuation to rotate the turret step-by-step to successive positions, rotation of the turret to a new position causing the corresponding stop to slidably coact with the cam edge to apply a force to the carrier in the direction of its movement to thereby actuate the tuning element to the setting corresponding to said stop.

2,571,599

APPARATUS FOR JOINING THERMOPLASTIC MATERIAL

James Terence Geddes Milne, Hatch End, Middlesex, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application July 25, 1947, Serial No. 763,474
In Great Britain May 14, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires May 14, 1966
7 Claims. (Cl. 219—47)



1. Apparatus for joining thermoplastic material by heating the material with electrical radio-frequency oscillations, comprising an electrical radio-frequency oscillator, a pair of electrodes, means for applying oscillations from said oscillator between said electrodes to set up a high frequency electric field, means for feeding thermoplastic material to be joined through said field, and manual means under control of the operator for simultaneously controlling the speed of the material through said field and effecting a corresponding variation in the power output of the oscillator.

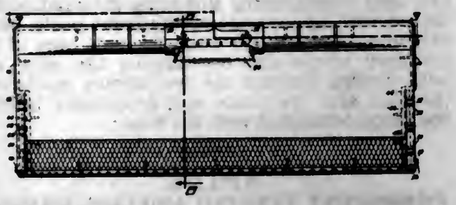
2,571,600

DOOR FOR REFRIGERATOR COMPARTMENTS

Alfred E. Nave, Cincinnati, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application April 1, 1949, Serial No. 84,945
4 Claims. (Cl. 20—35)

3. A refrigerator evaporator door comprising a molded front panel, a molded rear panel, a continuous upstanding flange integrally formed with one of said panels projecting towards and engaging the other said panel along a continuous mating face, reinforcing ribs molded into said panels engaging said flange, said front and rear panels being intimately joined by a bonding agent disposed on their mating faces, portions of said flange being laterally offset at the sides of said panels and including bosses formed integrally



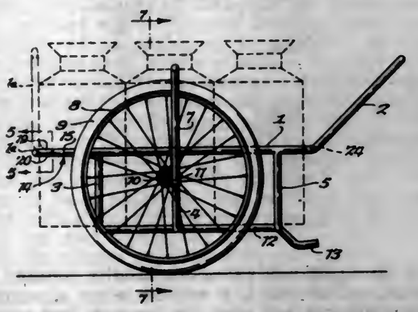
therewith, said front and rear panels being extended beyond the offset portions of said flange whereby they are hidden from view, and a mounting plate secured to said bosses at each side of the door in covering relationship with the offset portions of said flange.

2,571,601

ROLLING CART

Frank Neal, Cattaraugus, N. Y.

Application April 29, 1948, Serial No. 23,932
10 Claims. (Cl. 280—53)



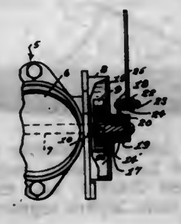
1. A cart comprising an upright U-shaped frame of bent rod having the free upper ends of its sides bent downwardly and backwardly along the outside of the U, parallel and in spaced relation to the sides of the U to form smaller inverted U's, one at each side of the frame, a wheel disposed in each inverted U and supported by the arms of that inverted U for rotation about endwise alined axes extending across the open ends of the inverted U, an elongated loop element disposed between the wheels with its sides extending generally horizontally and coupled to the sides of the upright U frame, intermediate of the height of that upright frame, a loop handle coupled to and extending obliquely upwardly away from said element at one end of the loop, small upright U-shaped frames disposed below said loop element at opposite sides of and parallel to the first upright U-frame, each small U-shaped frame being coupled at the upper ends of its sides to the sides of the loop element, with the cross base parts of all of the upright U frames approximately in the same plane and parallel to the plane of the loop, a stiffening rod connecting the said cross base parts of the upright U frames, and a foot attached to the cross base part nearest the handle and depending therefrom downwardly to support the loop and attached upright frames from rocking on said axes.

2,571,602

CARBURETOR CHOKE

Edwin P. Neuser, Francis Creek, Wis.

Application July 16, 1948, Serial No. 39,142
1 Claim. (Cl. 236—101)



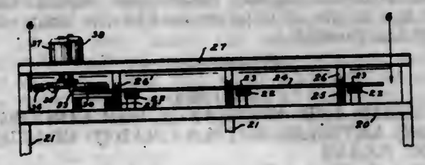
The combination with a carburetor including a butterfly valve carrying shaft having one end projecting therefrom, a housing surrounding and positioned inwardly of the projecting end of said shaft and secured to the carburetor, a helical thermostatic coil fixedly anchored within said housing and secured to said shaft, said shaft being threaded inwardly from its projecting end and terminating at a point adjacent said housing to form a threaded portion, a choke valve control mechanism operatively connected to the threaded portion of said shaft, said mechanism comprising a first lock nut positioned on the threaded portion of said shaft and in threaded engagement therewith, a lever arm positioned in side by side spaced relation with respect to said housing and having one end circumposed about the threaded portion of said shaft and abutting said lock nut, a second lock nut positioned on the threaded portion of said shaft abutting said one end of said lever arm and in threaded engagement with the threaded portion of said shaft, a choke rod arranged in end to end relation with respect to the other end of said lever arm and having one end pivotally connected to the other end of said lever arm, and hand actuable means on the other end of said choke rod for actuating the latter.

2,571,603

APPARATUS FOR SCARFING BOARD ENDS

Henry H. Payzant, Seattle, Wash., assignor, by mesne assignments, to Timber Structures, Inc., a corporation of Delaware

Application February 19, 1946, Serial No. 648,650
2 Claims. (Cl. 144—125)



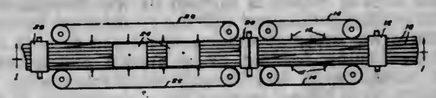
1. In an apparatus for scarfing the end portion of a board having a horizontal conveyor means for moving a board edgewise in a direction at right angles to the length thereof and a supporting means extending parallel with the direction of the path of travel of said board for holding it in a predetermined fixed plane, the outer end portion of said board extending beyond said supporting means, the combination comprising a backing member arranged in the path of travel of said board end portion, the central portion of the upper surface of said backing member being inclined at an angle with respect to said predetermined plane whereby upon engagement thereof by said board end portion said board end portion is bent upwardly through a relatively slight angle along a line extending transversely of said board, a rough cutter and a finish cutter disc rotatable in horizontal planes above said central portion of said backing member, said rough cutter disc being mounted ahead of said finish cutter disc as regards the direction of travel of said board, drive shafts for said discs extending upwardly therefrom, said discs having knives extending from the lower surface thereof, the knives of said first cutter disc having cutting edges extending at a substantially 45° angle with respect to the plane of the board end portion and adapted for making a first cut at a substantially 45 degree angle along the upper edge of said board end portion, the axis of rotation of said finish cutter disc being substantially aligned with the path of travel of the outer end of said board, said finish cutter disc having a radius at least equal to the length of the finished scarf to be formed on said board end portion and means for driving said last mentioned disc in such a direction that the wood is removed from the upper surface of said board end portion in a direction substantially longitudinally of the grain and toward the outer end thereof.

2,571,604

MANUFACTURE OF LAMINATED WOODEN MEMBERS

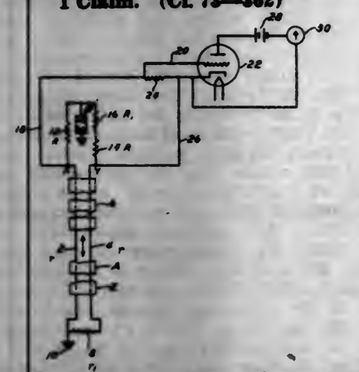
Henry H. Payzant, Seattle, Wash., assignor, by mesne assignments, to Timber Structures, Inc., Portland, Oreg., a corporation of Delaware

Application July 22, 1946, Serial No. 685,307
3 Claims. (Cl. 154—116)



1. The method of making laminated wooden members utilizing a plurality of longitudinal wooden strips having relatively wide sides and relatively narrow edges, at least some of said wooden strips being of greater width than the remainder, said method comprising the steps of forming an assembly of a plurality of said longitudinal wooden strips in a side by side relation with a film of thermo-setting adhesive between each adjacent pair of strips, applying pressure to the opposite edges of said assembly in a direction normal to said adhesive films to force said adjacent side surfaces of said strips tightly together, the opposite sides of said compressed assembly normal to said adhesive films being uneven due to nonuniform width of said strips, moving said compressed assembly of strips continuously in a direction longitudinally thereof, planing said opposite uneven sides of said assembly while moving under pressure to remove excess wood from the edges of strips of excess width to provide smooth plane surfaces on each of the opposite sides of said assembly normal to the planes of said adhesive films, and passing said assembly between a pair of high-frequency heating electrode means in contacting engagement with the adhesive lines in said plane surfaces while said pressure is maintained upon the opposite edges of said assembly.

2,571,605
TEMPERATURE-RESPONSIVE SYSTEM OF THE BRIDGE-CIRCUIT TYPE
Melville F. Peters, East Orange, N. J., assignor to Petcar Research Corporation, Newark, N. J., a corporation of New Jersey
Application August 16, 1949, Serial No. 110,647
1 Claim. (Cl. 73—362)



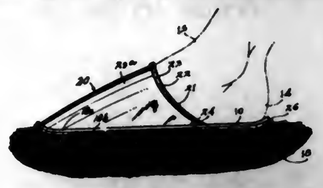
A temperature-responsive system comprising an element adapted to be positioned in a space subject to variations of temperature to indicate a predetermined abnormal high temperature therein, said element comprising two spaced conductors of electricity each having a known finite resistance r and being spaced apart by material having such a high resistance at normal temperatures that it effectively insulates the two conductors and having such a low resistance at a pre-determined higher temperature that it forms a conductor of electricity between the two conductors, a known resistance r_1 connected in series with the first of said conductors to form one arm of a balanced bridge circuit the second arm of which is formed by the resistance of the second conductor and the connection between said arms being grounded, the third arm of said bridge being formed by a known resistance R in series with the second conductor and the fourth arm being formed by a resistance $R+R_1$ greater than resistance R connected in series with the first conductor, the connection between said third and fourth arms being grounded through a source of electric energy and the resistances of the arms of the bridge when in balance having the following relation:

$$\frac{r}{r+r_1}=\frac{R}{R+R_1}$$

when only said element is subjected or responsive to temperature variation, a circuit including an operating device, a source of electric energy and means controlled by voltage across the balanced points of said bridge for maintaining said circuit de-energized when the bridge is balanced and for energising the circuit when the bridge is unbalanced.

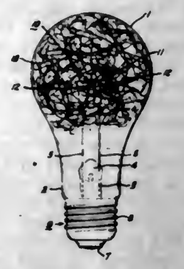
2,571,606
FOOT MOP
Esther Peterson, New York, N. Y.
Application May 20, 1948, Serial No. 28,200
4 Claims. (Cl. 15—227)

1. An article for the purpose described, comprising a bottom wall flexible throughout, a collection of mopping instrumentalities secured to and dependent from the underside of said bottom wall, and a stall for the fore part of a foot and partially provided by said bottom wall and partially provided by an added piece of flexible material secured to said bottom wall at the top and front thereof, said bottom wall being formed of superimposed layers and said top layer being



attached to said piece of flexible material and said bottom layer having said mopping instrumentalities secured thereto, and means for releasably securing said layers together.

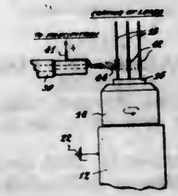
2,571,607
COATED FLASH LAMP AND MANUFACTURE THEREOF
Marvin Pipkin, Cleveland Heights, and J. Dean Johnson, Bellevue, Ohio, assignors to General Electric Company, a corporation of New York
Application March 9, 1949, Serial No. 80,424
6 Claims. (Cl. 67—31)



2. A flash lamp comprising a substantially clear glass envelope at least partially transmissive of ultraviolet light, a quantity of readily combustible material in said envelope adapted to generate on combustion a flash of actinic light, and a transparent protective lacquer coating on the inner surface of said envelope, containing in solution a small amount of a fluorescent material imparting fluorescence to the coating without substantially impairing the transparent character of said coating, the said coated bulb transmitting substantially unmodified the radiations emitted by said combustible material on combustion thereof whereby said combustible material constitutes substantially the sole source of light emitted by the lamp upon flashing thereof.

2,571,608
METHOD AND APPARATUS FOR CONNECTING ARTICLES WITH A GRADED COATING OF GLASS
Vernon L. Plagge, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1945, Serial No. 602,259
6 Claims. (Cl. 49—81)

5. The method of connecting first and second articles, both of which are capable of withstanding fusion of glass thereon and which have different coefficients of expansion, comprising blowing onto the surface of the first article a gaseous suspension of a composition consisting of two glasses as finely-divided particles, said glasses having different coefficients of expansion, the initial mixture of the glasses having a coefficient of expansion corresponding to that of the first article and the final mixture having a coefficient of expansion corresponding to that of the second article, charging the glass particles to a high potential relative to the article being coated as



they move toward said article, thereby causing the glass particles to adhere to said surface, and during the blowing operation gradually changing the proportions of the particles of the two glasses from that of said initial mixture to that of said final mixture, heating to fuse the adhering particles as a uniformly-varying coating on said first article, and by fusion uniting the coated portion of said first article to said second article.

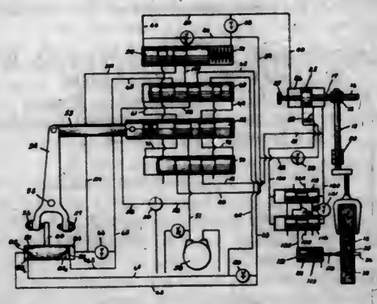
2,571,609
LICENSE AND KEY CONTAINER
Virgil S. Powell, Cedar Rapids, Iowa
Application February 24, 1950, Serial No. 145,955
3 Claims. (Cl. 150—40)



1. A motor vehicle operator's container comprising a receptacle including side and end walls and a top having an opening therethrough, a panel slidable in said receptacle and having its upper portion extensible through said opening, means for swivelly securing a key to the upper portion of said panel for slidable movement therewith through said opening, stiffening members engaging said end walls and spacing said side walls, complementary lugs at the upper ends of said members and on the bottom portion of said panel for limiting passage of the panel through the opening.

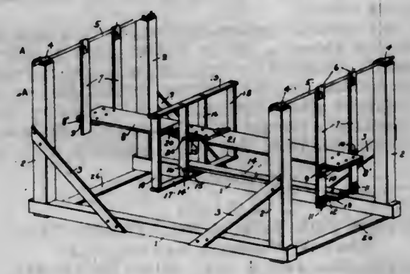
2,571,610
HYDRAULIC FEED MECHANISM
Ralph E. Price, Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa.
Application August 26, 1948, Serial No. 46,280
17 Claims. (Cl. 51—103)

11. A grinding machine including peripherally opposed grinding and control wheels, a work rest for rotatably supporting a work piece in operative relation to said wheels, a work positioning and ejecting mechanism for locating a work piece in and ejecting it from said operative relation with said wheels, including a piston and a cylinder therefor, means for effecting a feeding



movement of one of said wheels toward the other, including a second piston and cylinder and a conduit from a point in said feed cylinder intermediate the ends thereof for conducting fluid under pressure to effect operation of said ejector piston after a predetermined movement of said feed piston.

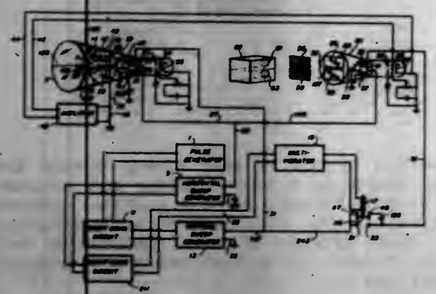
2,571,611
KIDDY SWING
Vernon D. Reid, Sr., Westlake, La.
Application February 4, 1947, Serial No. 726,281
1 Claim. (Cl. 155—65)



In a swing, a main frame having parallelly disposed base bars, on the outer ends of which are fixed the lower ends of four upstanding posts and braces connecting each post to the base bar to which they are fixed, transverse pieces connected at their outer ends to the outer ends of the base bars to maintain the base bars in spaced relation to each other, a bearing on the top of each post, rods passing through each pair of bearings each rod parallel to one of the transverse pieces so that said rods are supported by said posts, pairs of seat hangers suspended from the rods at the opposite ends of the frame, bearings on said hangers, a rod passing through the bearings on each pair of hangers, a seat in the form of a board supported on the undersurface thereof by the rods carried by the hangers, bearings positioned over each rod to hold the seat on the rod, a connecting bar pivotally connected to one pair of hangers, a foot rest, a hand bar, second posts connecting the foot rest and hand bar, a cross bolt connected to the connecting bar, and said cross bolt pivotally connected to certain of said second posts, a pin pivotally connecting said last named posts to the center of the seat and

said seat board having a narrow intermediate portion whereby said second posts at the opposite sides of the board can be closely spaced together to render the foot rest more comfortable to the legs of a child on the swing and said swing can be actuated by two children.

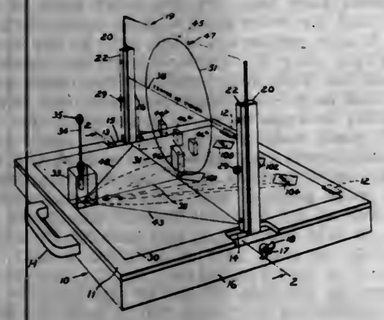
2,571,612
STEREOSCOPIC IMAGE RECEPTION BY MILLIMETRIC RADIATION
Robert H. Rines, Cambridge, Mass.
Application February 24, 1948, Serial No. 10,867
52 Claims. (Cl. 178—6.5)



1. An electric system having, in combination, means for receiving from an object adjacently disposed radio-wave distributions of wavelength of the order of millimeters and above, and means for producing a stereoscopic pair of likenesses corresponding to the radio-wave energy of the radio-wave-distributions received by the radio-receiving means.

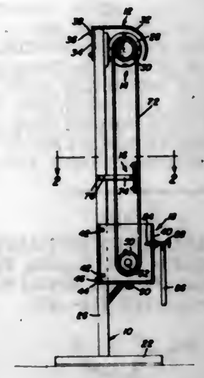
21. An electric system having, in combination, means for focusing radio waves upon a pair of adjacently disposed regions, and cathode-ray-tube means having radio-receiving means for receiving the radio waves focused upon the said regions, and electron-stream-producing-and-deflecting means for scanning the radio-receiving means.

2,571,613
DEVICE FOR TEACHING PERSPECTIVE
Edwin E. Riesland, Newark, N. J.
Application July 8, 1946, Serial No. 681,855
2 Claims. (Cl. 35—26)



1. A demonstrating apparatus, comprising a box like structure having a horizontal top surface constituting, a horizontal ground plane means forming a replaceable, vertical picture plane intermediate the ends of said ground plane, said means comprising one or more transparent sheets each provided with holes along the vertical edges thereof, a pivotal strip carried by the box like structure near each vertical edge of said picture plane, pins in the strips extending into the said holes, a second strip supported on said pins, and means passing through the said picture plane and strips for releasably securing the said elements together.

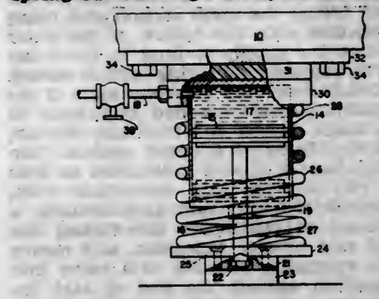
2,571,614
GLASS GRINDING AND POLISHING MACHINE
Walter Roy Robbins, Norman, Okla., assignor of twenty-five per cent to James L. Woods, Norman, Okla.
Application September 14, 1950, Serial No. 184,856
1 Claim. (Cl. 51—135)



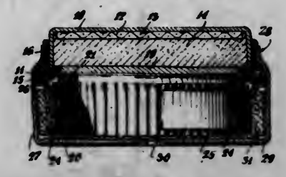
A glass grinding and polishing machine comprising a stand, a motor and pulley mounted on the upper end of said stand, a bucket means mounted at an intermediate portion of said stand, a resiliently mounted second pulley in said bucket means, a grinding belt disposed over said pulleys, an arcuated slot in one side wall of said bucket means for receiving an end portion of the shaft of said second pulley therethrough, said stand including a channelled member, a shaft journaled in said channelled member, a U-shaped strap pivotally mounted on said shaft, the end portion of the pulley shaft of said second pulley being rotatably journaled in the legs of said U-shaped strap, a sleeve rotatably received on said end portion of the shaft of the second pulley and between the legs of said U-shaped strap, and resilient means connected to said sleeve and a lower intermediate portion of said channeled member for tensioning said belt.

2,571,615
AUTO JACK
Samuel Thomas Romeo, Baltimore, Md.
Application November 27, 1948, Serial No. 62,336
2 Claims. (Cl. 254—86)

1. A vehicle jack comprising a cylinder, means for securing said cylinder to the chassis of the vehicle including a rubber bumper between said cylinder and chassis, means for admitting pressure fluid to the upper end of the cylinder, a piston in said cylinder, a piston rod secured to said piston and extending outwardly of said cylinder, a washer attached to the free end of the piston, a rubber bumper secured to said washer and adapted to contact the ground, and a helical spring surrounding said cylinder and having its free ends permanently secured, respectively, to said cylinder and to said washer.

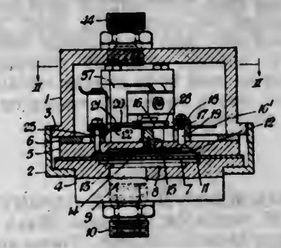


2,571,616
ELECTRIC CURRENT PRODUCING CELL
Samuel Ruben, New Rochelle, N. Y.
Application April 6, 1951, Serial No. 219,563
17 Claims. (Cl. 136—7)



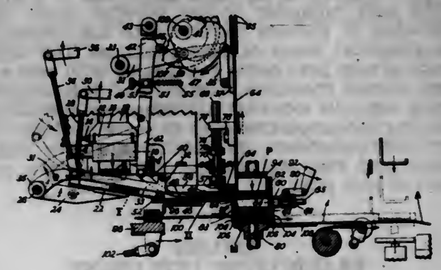
1. An electrical current producing cell comprising, in combination, an electrode shell, a current collector in the form of a foraminous metal member conductively secured to an inner face of said shell, comminuted active electrode material compressed in said shell and embedding said member and constituting one of the electrodes of the cell, a second electrode for the cell, and an electrolyte interposed between and in contact with said electrodes.

2,571,617
FLUID PRESSURE OPERATED SWITCH
William Harry Ruffle, Hove, England, assignor to Speed Development Company Limited, Hove, England
Application July 23, 1949, Serial No. 106,383
In Great Britain July 30, 1948
10 Claims. (Cl. 200—83)



1. A fluid pressure operated switch comprising a base structure, a fluid pressure receiving compartment, a fluid pressure inlet to said compartment, an imperforated diaphragm sealed completely around its periphery and disposed across said compartment so that only one side thereof is subjected to the direct impact of the fluid pressure from said inlet, a stud co-axial with the diaphragm and slidable through the base structure, a disc-like head on said stud opposed to but free of said diaphragm so as to be engaged by the diaphragm when the latter is deformed by the fluid pressure so as to urge the stud in the direction of deformation of the diaphragm, a very shallow compartment accommodating said disc-like head with a very narrow clearance from the periphery of said head opening into and concentric with and very narrowly axially spaced from the said fluid pressure receiving compartment so that the said head and the ambient part of the wall of the fluid pressure receiving compartment only permit of a very limited deformation of the diaphragm irrespective of the head of fluid pressure, an abutment on said stud which rests upon the base structure to relieve the diaphragm of pressure via the stud and its head when the diaphragm is not pressing against said head, a lever operated in one direction and engaged by said stud, contacts brought into and out of engagement by the movement of said lever, spring means yieldingly opposing the displacement of the lever by the action of the fluid pressure, and means neutralising the influence of the weight of said switch actuating member against the switch lever.

2,571,618
BUNCH CHARGE FORMING MECHANISM
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application June 30, 1945, Serial No. 602,491
11 Claims. (Cl. 131—30)

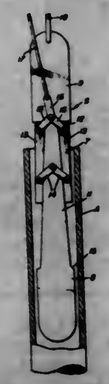


5. Steps in the method of feeding tobacco and forming bunch charges therefrom which comprise associating a succession of predetermined lengths of filler tobacco in side by side relationship, applying varying lateral resilient compacting pressure to the rear side of each of said lengths to reposition the tobacco in each length, and remove voids present therein as the result of the varying sidewise resilient compaction in order to form a sheet of substantially uniformly distributed tobacco, cutting a succession of sections of predetermined width from an end of said sheet, and associating said sections in superimposed relationship to form a column of filler tobacco having substantially uniform density in width and height.

2,571,619
PIPE PULLER
Harold H. Rusk, Rensselaer, Ind.
Application October 20, 1947, Serial No. 780,907
1 Claim. (Cl. 294—93)

A well fishing tool of the class described comprising a liftable and lowerable one-piece body,

said body being substantially rectangular in cross-section and having a pilot at the lower end with a rounded tip portion adapted to advance into a well having a head at its upper end and having an intermediate portion between the pilot and head, said intermediate portion being elongated and wedge-shaped and providing an expander, there being shoulders at the junctural point of connection between the expander and pilot element and additional shoulders at the junctural point of connection between the head and adjacent end of the expander, the last-



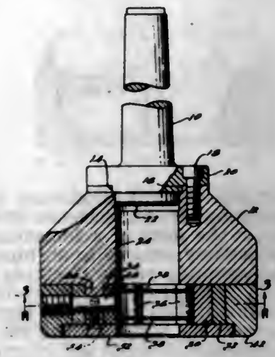
named shoulders constituting lifting members, a lifting and lowering cable attached to said head, a pair of jaws in the same plane and in a plane with said expander having bevelled inner edge portions in slidable contact with the respective longitudinal edges of said expander, the upper ends of said jaws being engageable with said second-named shoulders, and pairs of links situated upon opposite sides of said expander operatively joining the respective jaws in assembled relation on said expander, and additional cable means connected with and for opening and closing certain of said links.

2,571,620
ERADICATING IMPLEMENT
Gregory Sala, New York, N. Y.
Application February 18, 1949, Serial No. 77,246
5 Claims. (Cl. 120—36)



1. In an article having a main body section and a hollow outer section for containing eradicator fluid and having at its one end an eradicator fluid dispensing tip, an externally threaded extension extended concentrically from the end of the main body section facing the outer section, a tubular externally threaded extension extended concentrically from the other end of the outer section facing the main section and being in communication with the hollow of the outer section so that the supply of fluid in the outer section can be replenished, a ring section having internal threads extended in from each of its ends for receiving said threaded extensions to connect the main section and the outer section, said ring section being of a length greater than the combined length of said extensions so that a space is left between said extensions when threaded completely into said ring section, a valve positioned in said space for closing the outer end of said tubular extension, and means on said first extension pressing said valve into operative position against the end of said tubular extension when said extensions are threaded completely into said ring section.

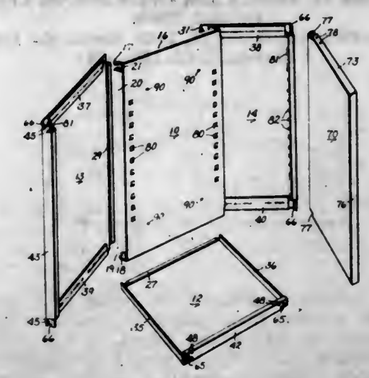
2,571,621
SPEED CHUCK
Enos P. Saunders, Berkley, Mich.
Application March 26, 1947, Serial No. 737,261
3 Claims. (Cl. 279—72)



3. A speed chuck comprising a cylindrical body having a central bore and a circumferentially elongated slot extending radially through said body, cam means carried by said body, a plurality of equally angularly spaced cam engaging elements adapted to receive a part to be chucked and disposed in said bore for movement along said cam means to effect a chucking of said part, a plurality of similar spacers disposed in said bore intermediate said elements, an operating ring surrounding said body, and a pin connected to said ring and projecting through said slot and operatively connected to one of said spacers whereby rotation of said ring relative to said body effects rotation of said spacers and hence said cam engaging elements relative to said body.

2,571,622
KNOCKDOWN WALL CABINET
Frederick W. Schmidt, Olympia, Wash., assignor to Western Metalcraft, Inc., Turnwater, Olympia, Wash., a corporation of Washington
Application September 25, 1948, Serial No. 51,148
2 Claims. (Cl. 312—263)

1. A knockdown sheet-metal cabinet comprising separable members including a back, a top, a bottom and two sides, each of the four edges of said back having a rearwardly directed flange normal to the plane of the back, each of said flanges terminating in an inwardly directed marginal portion parallel to the plane of the back, each of said top, bottom and two sides having an inwardly directed flange along its rear edge normal to the plane thereof and each of the flanges of the top, bottom and two sides terminating in a marginal portion directed forwardly and inclined toward the plane of the respective member, the width of the inwardly directed flanges of the top, bottom and sides being slightly greater than the width of the adjacent inwardly directed marginal portions of the flanges of said back, assembly of said top, bottom and sides with said back being accomplished only by inserting



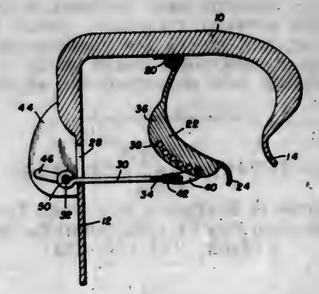
the marginal portions of the flanges of said back into the angle between the flange and terminal portion thereof of the respective top, bottom or side member when inclined with respect to said back and thereafter swinging the respective member into a plane normal to said back, said sides comprising outwardly plane surfaces, each of said sides having a pair of strips welded to the inner surfaces thereof parallel to and adjacent the upper and lower edges thereof and defining grooves opening toward the top and bottom thereof respectively, and said bottom and top having flanges normal to the planes thereof and receivable in said grooves when said sides are in normal relation to said back.

2,571,623
TOGGLE MECHANISM AND SWITCH INCORPORATING SAME
Axel R. Scholin, Chicago, Ill.
Application February 18, 1948, Serial No. 9,085
1 Claim. (Cl. 200—67)



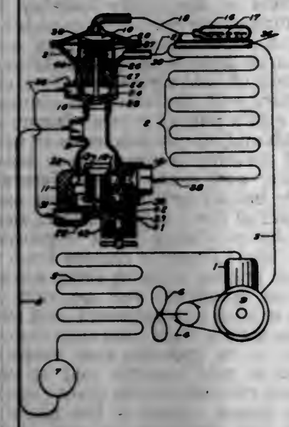
In a device of the class described, a mounting base and movable toggle switch means supported on the base, and comprising an operating member mounted for reversely pivotal movement on a tilting axis on said base, a switch blade member mounted for tilting movement about said tilting axis, between angularly spaced rest positions on opposite sides of a medial plane through said tilting axis and defined by engagement of axis remote portions of the blade member with stop shoulders formed on said base, a toggle member comprising a trident element having a mounting end and three fingers integrally united at the mounting end of said element and extending toward its other end, including an elongated central finger and a pair of lateral fingers in spaced relation with and on opposite sides of said central finger, and forming a deep notch between the central finger and each of said lateral fingers, said notches having bottoms forming seats at the mounting end of the trident element, said central finger having a sliding pivot connection with said switch blade member remote from said tilting axis, said trident element being pivotally connected at its mounting end on said operating member on a pivot axis adjacent said tilting axis, and a toggle spring encircling said central finger and seating at its opposite ends respectively on the bottoms of said notches and on said blade member adjacent said sliding pivot connection, to afford snap toggle action of the blade member, between its rest positions, as said pivot axis is moved by the operating member from one side to the other of said medial plane, said base forming a cam surface adjacent said stop shoulders, and said lateral fingers being formed with curved cam means in position to bear upon said cam surface remote from said pivot axis during initial movement of said operating member, whereby initially to shift said blade member from a said rest position as said pivot axis approaches said medial plane.

2,571,624
TIRE TOOL
James Henry Schwartz, Silets, Oreg.
Application April 10, 1947, Serial No. 740,579
6 Claims. (Cl. 254—50.1)



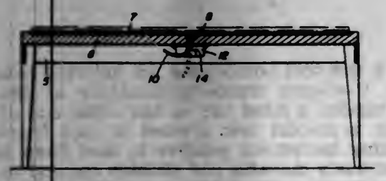
1. A tire tool comprising an inverted substantially U-shaped frame terminating at one end in a handle, a fixed jaw at the other end of said frame, a pivotal jaw pivoted to said frame for swinging movement relative to said fixed jaw, a transversely movable rod slidably carried by said frame, means adjustably connecting said rod to said pivotal jaw, plates carried by said frame and an angular handle journaled on said plates and detachably connected to said rod for actuation of said pivotal jaw, said handle having a crank portion engaging said rod and disposed between said plates.

2,571,625
THERMAL AND AUXILIARY VALVE COMBINATION
George E. Seldon, Kirkwood, Mo.
Application December 14, 1943, Serial No. 514,226
8 Claims. (Cl. 62—8)



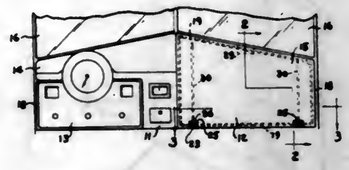
1. In a refrigeration system including an evaporator, means for metering refrigerant into said evaporator and a charge of refrigerant in the system, said metering means comprising main and pilot valve means, said pilot valve having means responsive to the vapor pressure, therefore temperature, of the vaporizing refrigerant liquid in the evaporator tending to close the valve, and means responsive to temperature of the vapors leaving the evaporator tending to open the valve, and constant value pressure means tending to close the valve whereby a constant temperature differential is required to open the pilot valve, and said main valve means having main valve and seat means, pressure responsive means for actuating said main valve, means for transmitting refrigerant pressure from said pilot valve to said main valve pressure responsive means and means for bleeding said refrigerant from said main valve pressure responsive means into said evaporator, and means for varying the rate of discharge of said bleed means so as to control the discharge rate characteristics of said main valve.

2,571,626
LIFTING ATTACHMENT FOR GLASS TABLE TOPS
Charles O. Shellman, San Diego, Calif.
Application July 14, 1948, Serial No. 38,673
1 Claim. (Cl. 311—103)



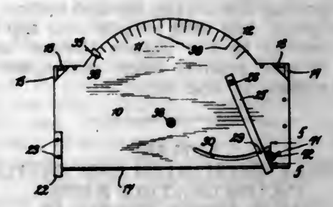
The combination with a table of the type including a top having a recess therein and a removable glass plate in the recess, of a lift for the plate comprising a tubular guide mounted vertically in the top, the upper end of said guide being flush with the bottom of the recess and the lower end of said guide being flush with the under side of the top, an inverted U-shaped bracket mounted on said under side of the top in engagement with the guide and having an opening in its bight portion aligned therewith, a rod slidable in the guide and the opening for elevating the glass plate, a cam pivotally mounted in the bracket and engaged beneath the rod for supporting and actuating same, and an operating lever integral with said cam.

2,571,627
VEHICLE DASHBOARD CONSTRUCTION
Edmund M. Sloman and Grace Jeffries Cogan, Detroit, Mich.
Application November 12, 1949, Serial No. 126,782
7 Claims. (Cl. 180—90)



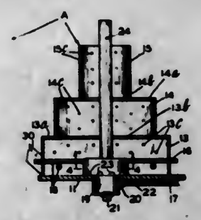
1. A vehicle dashboard consisting of a formed metallic portion upon one side thereof adapted to receive an instrument panel, and a resilient non-metallic similarly formed portion upon its other side, said non-metallic portion including a hollow formed imbedded wire frame which supports, and over which is moulded, a resilient rubber element, which is similarly shaped to said metallic portion and blends therewith.

2,571,628
APPARATUS FOR MEASURING THE SIZE OF BAGS
Pierce G. Stanley, Buffalo, N. Y.
Application February 28, 1947, Serial No. 731,599
9 Claims. (Cl. 33—148)



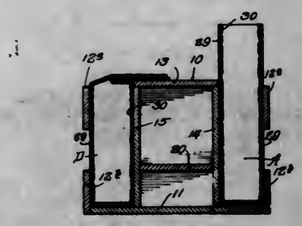
6. Apparatus for sorting bags as to size, comprising a table including a horizontal top panel and legs supporting said top panel, a bar fixed to said top panel and projecting outwardly from one side thereof and thence downwardly to provide a downwardly projecting end, a movable bar having a downwardly projecting end generally conforming to and adapted to coact with said downwardly projecting end of said fixed bar, means movably securing said movable bar to said top panel and guiding the downwardly projecting end thereof for movement toward and from said downwardly projecting end of said fixed bar and along the corresponding edge of said table top, a scale on said top panel, a pointer movably mounted on said top panel and traversing said scale, means operatively connecting said movable bar and pointer whereby the size of the mouth of a bag held distended between said downwardly projecting ends of said fixed and movable bars is indicated on said scale by said pointer, and means yieldingly holding said downwardly projecting ends of said fixed and movable bars apart.

2,571,629
VAPORIZING OIL BURNER
William H. Strom, Minneapolis, Minn.
Application November 28, 1947, Serial No. 788,461
4 Claims. (Cl. 158—91)



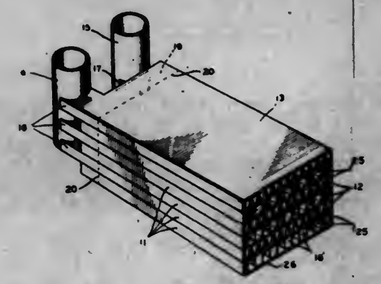
1. A multiple combustion chamber oil burner comprising a fire pot having a base, fire pot walls defining a plurality of intercommunicating vertically stacked combustion chambers of successively smaller size toward the top thereof, each of said combustion chambers having a plurality of air supply inlet apertures formed in the fire pot walls and a central intercommunicating aperture formed at the top thereof, said intercommunicating apertures being aligned, means for supplying oil to the center of said fire pot base, a hollow cap centrally mounted on said base to cover said central oil supply means, said cap having a plurality of fuel outlet openings therein, and a heat conductor connected in upstanding relation to said cap and extending upwardly therefrom through said aligned intercommunicating apertures and said combustion chambers to be heated therein and adapted to carry the heat downwardly to said cap for vaporizing the oil supplied thereunder.

2,571,630
DEVICE FOR USE IN PACKAGING FOOD
Arnold John Thiede, Barrington, Ill.
Application July 24, 1947, Serial No. 763,189
2 Claims. (Cl. 226—129)



1. Apparatus of the character described for use in packaging foods to be frozen, comprising: a rectangular base member; a pair of longitudinal partition members mounted on said base member in spaced parallel relationship and extending throughout substantially the entire length of said base, the respective partition members being equally spaced inwardly from two respective opposite sides of said base member and the distance between said partition members being substantially twice the distance from each of said members to the nearest side; a plurality of transverse partition members mounted on said base member, a spaced pair of said transverse members extending to each respective longitudinal partition member from the side of said base nearest each respective longitudinal member; a plurality of side members extending around the periphery of said base member, said side members, longitudinal partitions and transverse partitions forming a plurality of compartments adjacent each of two respective opposite sides of said base, each of said compartments being adapted to receive a package and each compartment being adapted to support said package on four sides; a top member extending between said longitudinal members throughout substantially their entire length for providing a substantially horizontal surface between said longitudinal members and adjacent said compartment for use in heat sealing each package without removing it from said compartment; and an intermediate member extending between said longitudinal members for providing a horizontal surface between said top member and said base.

2,571,631
HEAT EXCHANGE ELEMENT
Paul R. Trumpler, Ridgewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application February 26, 1947, Serial No. 730,902
2 Claims. (Cl. 257—245)

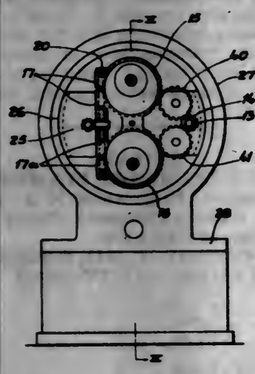


1. In a heat exchanger for indirect heat exchange between two fluid streams flowing in adjacent passages separated by a heat conducting wall means, improved means for transferring heat from said fluids to said wall means which includes: a sheet of light gage heat conductive material, folded in said passages longitudinally with respect to said stream flow and contacting the walls of said passages along said folds, said sheet being slotted in parallel rows of elongated slots, alternate rows of said transverse slots extending most of the distance between said folds without crossing said folds and the slots in the intermediate rows extending across said folds.

2,571,632
MACHINE FOR CONTINUOUS POLISHING OF WIRE OR RODS
Per Gunnar Vinell and Bengt Helger Jernberg, Munkfors, Sweden
Application April 2, 1946, Serial No. 659,000
In Sweden March 22, 1945
2 Claims. (Cl. 51—30)

1. In a machine for the continuous grinding and polishing of the surfaces of elongated articles of relatively narrow circular cross-section, the combination with a frame stand, a cylindrical shell mounted in said frame stand for rota-

tion about its own longitudinal axis, two substantially identical cylindrical housings, each having a diameter less than half that of said shell, said housings being supported in said shell on diametrically opposed sides of the shell axis for rotary adjustment about their own central axes which extend parallel to and at equal distances from said shell axis, means for locking said housings in any angular positions to which they are adjusted, a spindle mounted in each housing for rotation therein about its own axis, the axes of said spindles extending parallel to and being equally spaced from the respective axes of the associated housings, said spindles projecting axially from their housings and carrying on their projecting ends polishing discs dis-



posed opposite each other, said shell providing a passage for articles to be ground or polished, said passage extending coaxially through said shell, means for rotating said shell about its own axis, and means in said shell spaced from the shell axis for rotating said spindles at a high rotary speed about their own axes, of a gear mechanism disposed inside said shell and outside of the shell axis and connecting the two housings in positions in which the axes of both spindles are equidistant from the shell axis for turning said two housings simultaneously about their own axes at the same rate and in the same direction, whereby the axes of the spindles in all positions of adjustment lie in a straight plane containing the shell axis.

2,571,633
DOOR HINGE
Edward Vogel, Baltimore, Md.
Application August 30, 1946, Serial No. 693,940
1 Claim. (Cl. 16—137)



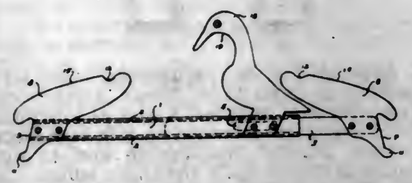
A hinge comprising a pair of leaves joined by a removable pintle, the hinge being closed when the leaves are parallel and overlie each other, the face of one leaf having a tongue extending outwardly at an acute angle therefrom toward the pintle, the face of the other leaf having a tongue extending outwardly at an acute angle therefrom away from the pintle, each tongue being directed toward and abutting the tip of the tongue on the other leaf in a plane oblique to the plane of the leaves when the hinge is closed, whereby upon removal of the pintle sliding separation of the leaves when the hinge is closed is precluded in one direction.

2,571,634
COLLAPSIBLE UMBRELLA
Edward G. Von Gunten, Akron, Ohio
Application April 9, 1946, Serial No. 660,741
1 Claim. (Cl. 135—26)



An umbrella which includes a stem; a cover formed from a single piece of fabric the center area of which fabric is flat and uncut and surrounded by notches adapted to form a downwardly curved edge area when the umbrella is raised; ribs for supporting the cover each of which is pivotally fastened to the stem and consists of a hollow member adjacent the stem and a flexible rod telescopically slidable into the outer end of the hollow member which when the umbrella is raised is bent downwardly and conforms to the downwardly curved edge area of the cover, the edge of the cover being fastened to the outer end of each flexible rod, spreaders attached at one end to the respective hollow members and adapted to swing the ribs away from the stem and thus tension the cover and bend the rods downwardly when the rods are extended from the hollow members, and means slidable on the stem to which the other end of each spreader is attached for locking the spreaders to support the hollow member of each rib substantially perpendicular to the stem, and means at the outer end of each hollow member adapted to engage complementary means on the enclosed end of the rod located therein to lock the rod in extended position when the rod is pressed downwardly by the edge area of the cover.

2,571,635
GARMENT HANGER
Edward G. Von Gunten, Akron, Ohio
Application December 8, 1948, Serial No. 64,199
1 Claim. (Cl. 223—88)



A hanger for supporting a plurality of garments at the same time comprising an outer and an inner arm, the inner arm being telescopically slidable with respect to the outer arm and two substantially flat plates secured to the outer ends

of the respective telescoping arms, each plate having a lower portion slanting downwardly and outwardly to receive the waist-band of a skirt when the arms have been sufficiently extended, an edge curving upwardly and inwardly above the arm to receive the interior side of the shoulder section of an upper outer-garment, and a notch on the upper edge to receive a strap of a slip.

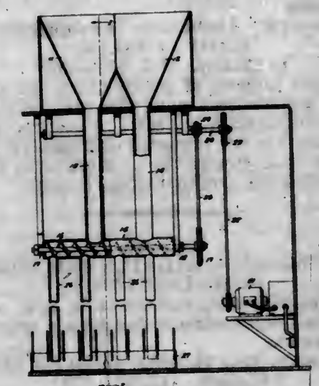
2,571,636
REMOVAL OF METALLIC OBSTRUCTIONS IN WELL BORINGS BY OXIDATION
Lewis H. Watkins, Caracas, Venezuela
Application October 14, 1947, Serial No. 779,724
5 Claims. (Cl. 166—1)



1. An apparatus for destructively removing an obstructing metallic body from a well bore comprising a container movable through said bore and containing a body of incendiary composition which, when ignited, is capable of generating heat at a temperature destructive to said obstructing body, means carried by the container for igniting the composition, an oxygen container mounted on said first container and disposed thereabove, tubes depending from the oxygen container and disposed in communication therewith, said tubes extending through the first container and terminating therebelow, and fusible closures in the lower terminals of the tubes, said closures being fused by the heat of initial ignition of the incendiary composition to open said tubes and permit oxygen escaping from the container to envelope the obstructing body and produce an oxidizing atmosphere around it.

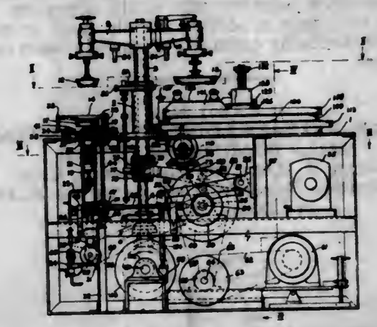
2,571,637
AUTOMATIC POULTRY FEEDER
Otto J. Weist, Lodi, Calif.
Application March 29, 1948, Serial No. 17,731
1 Claim. (Cl. 198—64)

In a material distributor, the combination which comprises a horizontally disposed conveyor, an elongated trough positioned below the conveyor, a plurality of spaced tubes extended from the conveyor to the trough and positioned to carry materials by gravity from the conveyor to the trough, a plurality of supply bins positioned above the conveyor, and spaced vertically disposed pipes extended from the supply bins to the conveyor whereby the conveyor is supplied with material at a plurality of points throughout the length thereof to provide equal distribution of material throughout the length of the trough,



said pipes from the supply bin to the conveyor being offset in relation to the tubes extended from the conveyor to the trough.

2,571,638
INKING APPARATUS FOR MACHINES FOR STAMPING DECORATIONS ON POTTERY WARE
Arthur A. Wells and George S. Knapp, Newell, W. Va., assignors to The Homer Laughlin China Company, Newell, W. Va., a corporation of Delaware
Application October 6, 1950, Serial No. 188,726
14 Claims. (Cl. 101—335)



14. In a machine for stamping decorations on potteryware, a horizontal platen, a post extending above the center of the platen, a support slidably and rotatably mounted on the post, an arm extending from the support outward across the platen, a doctor blade carried by the arm a short distance above the platen to spread ink evenly thereon, a horizontal ring coaxial with said surface and located below the outer end of the arm, a post projecting upward from the ring, the outer end of the arm being connected to the ring post for vertically sliding movement only, a roller carried by the outer end of the arm, a circular track supporting the roller, and means for raising said support periodically to lift the blade.

2,571,639

PHENYLATION OF METHACRYLIC ACID

Immanuel J. Wilk, Evanston, and Marvin A. Spielman, Waukegan, Ill., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois

No Drawing. Application December 20, 1949, Serial No. 134,136
10 Claims. (Cl. 260—515)

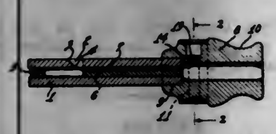
1. In the process of phenylating the α-carbon atom of methacrylic acid, the step which comprises reacting an alkyl ester of methacrylic acid with benzene in the presence of a catalyst selected from the class consisting of aluminum chloride, boron trifluoride and hydrofluoric acid.

2,571,640

SUPERSONIC WHISTLE FOR CODE COMMUNICATION

Richard C. Willman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application May 12, 1945, Serial No. 593,500
7 Claims. (Cl. 46—179)



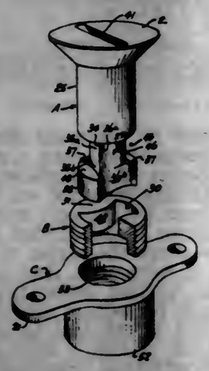
1. A structure for producing substantially constant frequency compressional waves in response to continuous application of a fluid varying in pressure over a wide range of pressures, including a hollow body portion having fluid inlet and outlet apertures and an orifice located between said apertures, and a resilient member subjected to the flow of said fluid and positioned with respect to said orifice to form a closure for the same, said resilient member effectively adjusting said orifice to bypass a portion of said fluid to maintain substantially constant pressure at said outlet aperture.

2,571,641

QUICK RELEASE LOCKING TYPE SHEAR LOAD BEARING FASTENER

George S. Wing, Hermosa Beach, Calif.

Application March 18, 1949, Serial No. 82,196
11 Claims. (Cl. 85—1)



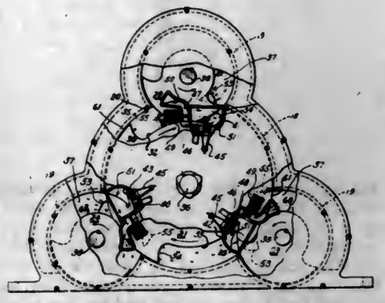
1. In a quick release, positive lock fastener for separably joining a pair of members having alignable openings therein, a nut having means for securing the same to one of said members in axial alignment with the opening therein; a screw of collar form threaded into said nut, said screw having an inwardly projecting jaw partially defining a non-circular aperture therein; and a rotatable fastener pin having a shank, a non-circular locking end insertible through said aperture and engageable with said jaw, and a reduced neck connecting said locking end to said shank and receivable in said aperture, said neck being shaped for limited rotation in said aperture and adapted to engage the wall of the aperture at a limit of such rotation, whereby to establish a driving connection between the pin and the screw to advance the screw in the nut and draw said jaw into engagement with said locking end, said locking end being provided with a dog projecting axially toward said shank, adapted to clear said jaw when the screw is retracted, so as to permit said limited rotation, and to be drawn into said aperture and engage said jaw when the screw is advanced, whereby to lock the screw to the pin against relative rotation in either direction.

2,571,642

ROTARY INTERNAL-COMBUSTION ENGINE

Joseph Yancy, Coatesville, Pa.

Application February 27, 1948, Serial No. 11,735
2 Claims. (Cl. 123—13)



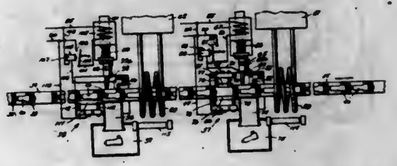
1. In a rotary engine, a housing comprising a central circular rotor chamber, a plurality of circumferentially spaced circular piston chambers surrounding said rotor chamber and opening into said rotor chamber, a first sidewall closing one side of said rotor and piston chambers, and a second sidewall closing the opposite sides of said rotor and piston chambers, combustion chambers mounted on said second sidewall, said second sidewall having air inlet ports providing communication between each combustion chamber and said rotor chamber and fuel inlet ports providing communication between the combustion chambers and the rotor chamber, a partition in each combustion chamber isolating said air and fuel ports, said partition being formed with an opening, a spring closed valve normally closing said opening, rotary pistons in said piston chambers formed with circumferentially extending channels registrable with the air and fuel ports of the piston chambers, said rotary pistons having circumferential portions arranged to occlude said air and fuel ports in positions in which the channels are not registered with the air and fuel ports, ignition means exposed in the combustion chambers at the fuel inlet port side of said partition, a fuel supply connected to the combustion chambers at the same side of the partition, and a rotor in said rotor chamber having circumferentially extending channels defining heads, said heads being arranged to occupy positions in which said heads close the openings between the combustion chambers and the rotor chamber and to occupy other positions in which said rotor channels are in communication with said openings, means operatively connecting said rotary pistons and said rotor for operation together, said first sidewall being formed with outside air inlet ports leading into the rotary piston chambers and with exhaust ports leading from said rotor chamber.

2,571,643

APPARATUS FOR TESTING THERMOSTATIC CONTROL DEVICES

Joseph Youhouse, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application June 2, 1945, Serial No. 597,257
19 Claims. (Cl. 209—72)



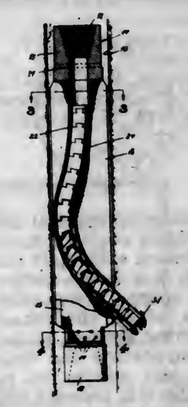
1. Apparatus for segregating thermostats which respond differently to heat, comprising means for holding a plurality of thermostats; induction heating means for heating said thermostats, said holding means and heating means being relatively movable for heating the thermostats by induction successively a predetermined extent; means for determining the presence of response of the heated thermostats; and means controlled by said last-named means for removing from the holding means the thermostats which have responded within a given range to the said heating.

2,571,644

APPARATUS FOR DRILLING AND RECOVERING SIDE WALL CORES

John A. Zublin, Los Angeles, Calif.

Application August 23, 1948, Serial No. 45,752
5 Claims. (Cl. 255—1.4)



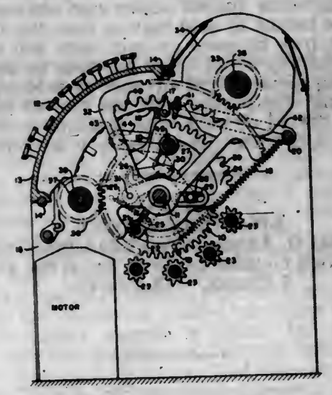
1. In apparatus for side wall coring a flexible core barrel, a deflector member having a reverse curvature for deflecting said core barrel from approximately the axis of a well bore toward the wall of the well bore and thence toward the diametrically opposite wall of the well bore at a substantial angle to the axis of the well bore, said core barrel comprising a plurality of tubular links loosely connected at their ends by means of interlocking teeth of dovetail configuration in a manner to permit relative movement between the ends of connected links to provide flexibility of said core barrel and to cause said core barrel to assume a rigid, straight configuration when compressive stresses are applied thereto, a coring bit on the lower end of said core barrel, said bit having cutting teeth the outer surfaces of which taper inwardly toward the tips thereof to give said bit a self-centering action and a tendency to cut a straight core hole at said substantial angle to the axis of the well bore, said core bit being constructed to cut a core of less diameter than the inside diameter of said core barrel and to permit cuttings from the formation to be delivered to the annular space between said core barrel and said deflector.

2,571,645

CASH REGISTER AND ACCOUNTING MACHINE

Louis Emile Zurbuchen, Zurich, Switzerland, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application October 16, 1947, Serial No. 780,244
In Switzerland September 8, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 8, 1964
17 Claims. (Cl. 235—7)



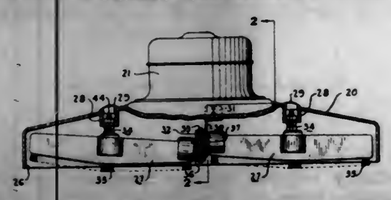
16. In a machine of the class described, a differentially settable control member, an indicator setting member, a stationary stop, a first oscillating bar, two articulated beams located between the stationary stop and said first oscillating bar, one end of one beam being connected to the control member and one end of the other beam being connected to the indicator setting member, and a second oscillating bar to control the setting and return movements of the control member, said first oscillating bar operable after the control member has been set to operate said beams to cause relative movement of both beams until both beams come into contact with said stationary stop, the relative movement so produced causing the indicator setting member to move into a position commensurate with the setting of the control member.

2,571,646
TRAY DELIVERY MECHANISM
Virgil E. Ackles, Los Angeles, Calif., assignor to Doughnut Corporation of America, New York, N. Y., a corporation of New York
Application December 11, 1946, Serial No. 715,331
1 Claim. (Cl. 198—35)



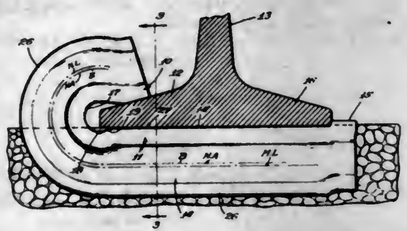
In a handling apparatus for cooked doughnuts and the like, a frame structure, parallel rails carried by said structure, a fixed ledge extending above said rails transversely thereof in vertically spaced relation thereto for supporting the rear end of a tray the forward end of which is supported on said rails, whereby the tray is positioned in inclined relation to said rails, said ledge and said rails affording a support at all times for a stack of trays when imposed thereon, an endless tray conveyor having an upper portion extending beneath but contiguous said rails and moveable in the direction of the length thereof, tray engaging lugs on said conveyor projecting upwardly therefrom, means for moving said conveyor in a direction to advance the lugs on the upper portion thereof beneath a tray supported on said ledge and rails from the rear end thereof on said ledge toward the forward end supported on said rails; said ledge being spaced above said conveyor so that the lugs pass therebeneath and said rails being spaced above said conveyor less than the height of said lugs so that the forward end of a tray imposed on said rails will be supported thereby at all times previous to and during its engagement and advance by said lugs, said lugs being engageable with the end of the tray initially seated on said rails to advance the tray on said rails when the conveyor is in motion.

2,571,647
SWEEPING DEVICE
Thomas O. Adams, New Philadelphia, Ohio
Application October 24, 1945, Serial No. 624,152
7 Claims. (Cl. 15—47)



5. In a sweeper having a housing, said housing having an elongated opening in a bottom wall thereof and transversely of said sweeper, the combination of a bar member laterally disposed in said housing, said bar member having a bottom edge, bristles extended downwardly from said bottom edge at said opening, a pivot mounting carried by said housing and connected to said bar member at a longitudinal distance from a first end of said bar member, said pivot mounting providing for compound movement of said bar member, and operating means carried by the housing and operatively engaging said first end of the bar member, said operating means non-rotatively revolving said bar member in one direction around an axis passing through the center of said pivot mounting, said axis being disposed transversely of said sweeper and parallel to said opening, the movement of said bar member causing said bristles to recurrently move in a sweeping action at said opening.

2,571,648
RAIL ANCHOR
Victor C. Armstrong, Short Hills, N. J., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application May 25, 1948, Serial No. 29,072
4 Claims. (Cl. 238—327)



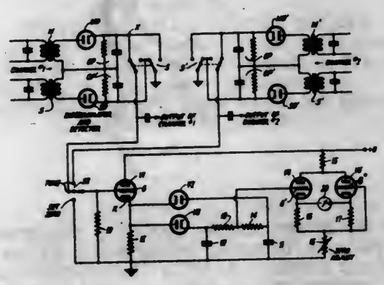
4. A one-piece rail anchor of the type having a hook at one end and including a body wherein the metal is distributed with reference to the transverse middle line of the cross-section and the neutral axis extending lengthwise of the bar so as to provide a flat tie engaging face at one side and upper and lower chord members separated by an intervening web face on the other side, said upper chord member connected with said web face by a fillet whose lower end joins said web face substantially at the neutral axis of the body to provide a preponderance of metal in the body above the middle line thereof and in the zone of maximum tension imposed on the upper portion of the body including the hook.

2,571,649
TELEPHONE FINGER WHEEL SUPPORT
Richard P. Arthur, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a corporation of Illinois
Application March 14, 1949, Serial No. 81,384
5 Claims. (Cl. 179—90)



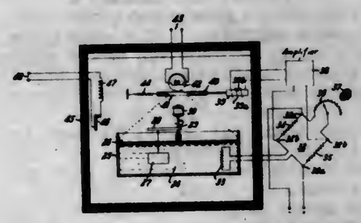
1. In a telephone calling dial device including a rotatable actuating shaft, a manually operated finger wheel to rotate said shaft having a central opening through the lower surface thereof including recesses spaced therearound and an annular groove to which the recesses extend, a flexible spider spring secured at its center to the said shaft for supporting the finger wheel and having support legs spaced to enter the said groove through the said recesses respectively, and a similar positioning leg lying between two of said support legs, all said support legs passing through said recesses into said annular groove subject to the spider spring being urged toward the finger wheel to flex the said positioning leg, said positioning leg cooperating with any one of said recesses to lock the parts against rotation upon being brought into position by rotation of the support arms in said groove, said support legs being flexible in a direction normal to said finger wheel to permit the positioning leg to be disengaged from said structure responsive to the finger wheel being urged upwardly.

2,571,650
PEAK-READING TUNING INDICATOR
John B. Atwood, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 7, 1947, Serial No. 784,744
4 Claims. (Cl. 171—95)



1. Means for indicating the extent of peak potential variations with respect to a base value including, a vacuum tube voltmeter including a tube having a potential sensitive electrode and a cathode, a pair of capacitors each having one terminal coupled to said cathode, an impedance wherein peak potential variations are set up, a charging path for one capacitor including a diode connecting said capacitor to said impedance, a discharging path for the other capacitor including a diode connecting the other capacitor to said impedance, and means for applying a voltage which represents the mean of the charges on said capacitors to said electrode.

2,571,651
METHOD OF AND APPARATUS FOR GROWING CRYSTALS
Franco Balduzzi, Zurich, Switzerland, assignor to "Patelhold" Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application July 6, 1948, Serial No. 37,202
In Switzerland July 12, 1947
12 Claims. (Cl. 23—301)



1. Apparatus for growing crystals immersed in a saturated solution of the crystalline substance comprising a tank for receiving a body of the solution, an electrically energized radiator of heat having a low thermal inertia and a high infra red wave energy output, said heat radiator being so located with respect to said body of solution that the latter is heated substantially solely by said infra red wave energy, temperature responsive means including a temperature sensitive element in the tank adapted to be immersed in the solution, and means controlled by said temperature responsive means for regulating the amount of said wave energy reaching the solution from said radiator.

8. The method of growing crystals immersed in a predetermined volume of solution of the crystalline substance which comprises the steps of heating the solution substantially solely by radiation from a source of infra red energy situated above the surface of the solution, the depth of the solution being so related to the intensity of the energy source that at the bottom of the solution only a small fraction of the order of 1% of the total infra red energy radiated into the top surface of the solution remains, and controlling said radiation in accordance with the temperature of the solution.

2,571,652
STRAW GATHERER AND CHOPPER
Lloyd A. Bass, Crawford, Nebr.
Application June 27, 1947, Serial No. 757,635
3 Claims. (Cl. 55—118)



1. A straw cutter comprising an axle assembly with wheels mounted at opposite ends thereof, a frame connected to said assembly and adapted to be drawn by a tractor, a housing, means secured at one end of said housing pivotally attaching said housing to said assembly, a skid for said housing secured to the housing at the opposite end thereof, said housing having a field straw inlet opening, means disposed in said opening and carried by the housing for picking up fallen straw, a straw fracturing device secured to and within said housing adjacent its end opposite said inlet opening, means journaled within said housing for conveying picked up fallen straw to said fracturing means, a cutter for standing straw and carried by said housing behind said fallen straw pick up means and disposed in said opening, means for conveying cut straw into said fracturing device, and a reel journaled in said housing between said fallen straw conveying means and said cut straw conveying means.

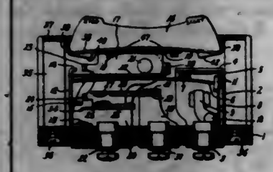
2,571,653
SYRINGE
Victor Gerard Bastien, New York, N. Y.
Application February 25, 1950, Serial No. 146,241
1 Claim. (Cl. 128—218)



A syringe of the character described comprising a hollow cylindrical syringe barrel, said hol-

low syringe barrel having a plurality of annular grooves spaced along its exterior surface, a plunger designed to fit snugly within the syringe barrel, a syringe needle adapted to fit at one end of the syringe barrel, and having a cylindrical sheath adapted to slide over and cover the outer walls of the said syringe barrel and the syringe needle, said sheath having an annular opening at one end through which the syringe needle may pass, a latch relatively near the other end and adapted to stop at fixed points along the syringe barrel in the said annular grooves of the said syringe barrel, said latch being maintained in position by means of a tensioning device.

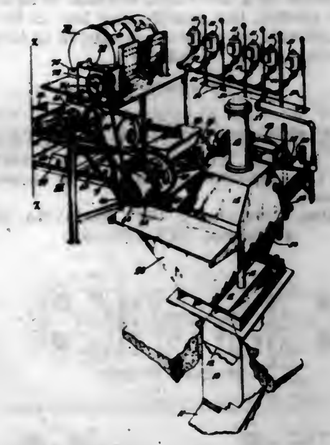
2,571,654
COMBINATION LINE SWITCH, STARTING SWITCH, AND OVERLOAD FOR ELECTRIC MOTORS
Lee R. Beard, Richard E. Seely, and Gerald C. Holdgreve, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application November 10, 1948, Serial No. 59,332
5 Claims. (Cl. 200—122)



1. A line switch, starting switch, and overload protective device for use with single-phase electric motors comprising, a pair of line contacts, a column type over-center bimetallic spring, one of said line contacts being mounted on said spring, manually operated means for selectively deflecting said spring into one over-center position to close said line contacts and for deflecting said spring into another over-center position to open said line contacts, said spring being adapted to be connected in a load circuit whereby excessive load current causes said spring to deflect into said other over-center position to open said line contacts, another pair of contacts, one of said other contacts being actuated by said manual deflecting means whereby said other contacts are closed when said manual deflecting means is operated to close said line contacts, and means for returning said manual deflecting means to a neutral position when said manual pressure is removed whereby said other contacts are opened.

2,571,655
APPARATUS FOR MIXING RUBBER COMPOUNDS AND THE LIKE
Charles H. Beare, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 13, 1947, Serial No. 791,585
6 Claims. (Cl. 259—11)

1. An apparatus for mixing various ingredients of a rubber compound in a compound mixer having an inlet hopper and hopper door therefor and a reciprocable ram for pressing said ingredients down into said mixer, comprising: a bucket conveyor having a series of individual buckets adapted to contain various compound ingredients in the predetermined amounts and sequence in which said ingredients are to be added to the mixer, means for intermittently moving said conveyor at predetermined times so as to dump the contents of predetermined buckets into said inlet hopper at each such movement,

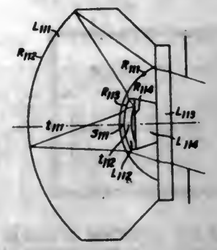


means for intermittently operating said hopper door and ram in cyclic coordination to permit the hopper contents to enter the mixing chamber at predetermined moments, and means for controlling the predetermined cycles of operation of said conveyor, hopper door, and ram.

2,571,656
METHOD OF PREPARING PHOSPHORIC ACID ESTERS
Alan Bell and Kent C. Brannock, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 9, 1948, Serial No. 7,296
12 Claims. (Cl. 260—461)

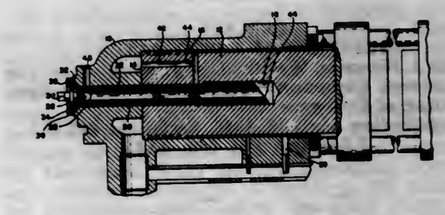
1. A process for the manufacture of phosphate esters which consists of reacting tetraethyl pyrophosphate with a naphthol.

2,571,657
CATADIOPTRIC LENS SYSTEM
Harold F. Bennett, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 27, 1945, Serial No. 590,598
1 Claim. (Cl. 88—57)



A catadioptric objective for focusing an image on the convex side of a spherical focal surface comprising two air-spaced meniscus lenses with all four surfaces thereof substantially concentric with said focal surface and with each other, one of the lenses being thinner than the other, being substantially coextensive laterally with the focal surface and having its concave surface substantially coincident with the focal surface, the margins of the thicker lens extending beyond the periphery of the thinner lens, the convex surface of the thicker lens being silvered and the axial thickness of the thicker lens filling most of the distance between the silvered surface and the focal surface, and optical stop defining means optically aligned approximately at the center of curvature of the concentric surfaces for admitting light to the margins of the thicker lens for traversing this lens twice and then the thinner lens once to reach the focal surface.

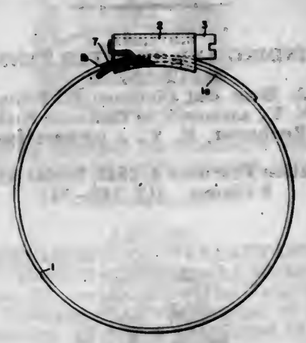
2,571,658
MULTIPLE AREA PISTON MEANS
William H. Bennett, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application July 22, 1946, Serial No. 685,539
7 Claims. (Cl. 60—97)



7. In combination, a main plunger; a hollow plunger telescoping said main plunger; means to supply actuating fluid through said booster plunger to the end thereof; channel means for connecting said plungers normally closed by said plungers when telescoped a predetermined amount and opened by said plungers when telescoped less than said predetermined amount; and a surface formed on the exterior of said booster plunger operable upon relative rotation of said plungers to vary said predetermined amount.

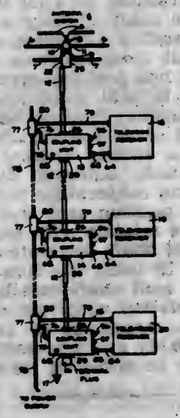
2,571,659
CLAMP
Knut Edwin Bergström, Stockholm, Sweden
Application January 31, 1945, Serial No. 575,423
In Sweden May 22, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires May 22, 1962
2 Claims. (Cl. 24—19)

1. A hose clamp comprising a substantially annular metal strip with overlapping ends, a tubular bearing sleeve surrounding the overlapping ends of said annular metal strip, a worm rotatably mounted in said sleeve, the overlapping portion of said annular metal strip having threaded means thereon for engagement with said worm, the overlapped portion of said annular metal strip having an elongated oblong slot therein, said sleeve consisting of a single seamless piece of metal, an elongated struck up ridge in the bottom part of said sleeve of substantially equal dimensions with said slot and of corresponding shape therewith, said struck up ridge having the terminal ends thereof severed and being bent inwardly towards the overlapping ends of said annular metal strip, said severed ends projecting into said sleeve a distance substantially equivalent to the thickness of said annular metal strip, said ridge having said severed ends being inserted in said slot in said



strip and said severed ends being in abutment with the transverse ends of said slot, said severed ends being adapted upon tightening of said hose clamp to extend further into said sleeve and press the threaded portion of said strip into tighter engagement with said worm.

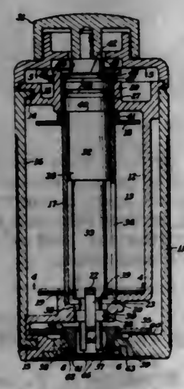
2,571,660
MULTIPLE ANTENNA SYSTEM FOR TELEVISION
Martin Bettan, Brooklyn, N. Y., assignor to Multenna Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application February 11, 1950, Serial No. 143,701
8 Claims. (Cl. 250—9)



1. A multiple unit antenna coupling system comprising in combination, tuned signal collector means, a coaxial cable connected therewith at one end and having a terminating impedance connected to ground at the opposite end, and a plurality of spaced coupling units interposed in and along said cable, each of said coupling units including a series coupling inductance having a center tap, a capacitor connected in shunt with

said inductance, a variable capacitor connected between said center tap and ground, and means providing a high impedance signal output connection from said center tap for signal receiving apparatus.

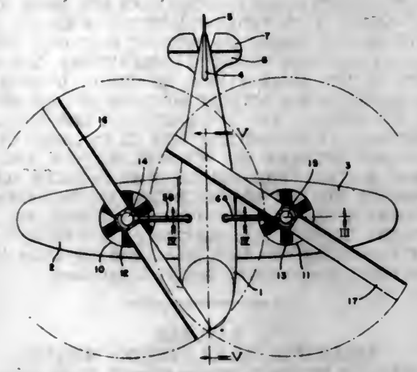
2,571,661
FILM WINDING AND SHUTTER TENSIONING MECHANISM
Herbert A. Bing and Clarence W. Pribus, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 4, 1948, Serial No. 6,146
8 Claims. (Cl. 242—71)



1. In a film winding mechanism for a camera, the combination with a camera body, of a film winding spool positioned within said body and adapted to be rotated to wind film thereon, an axially movable shaft slidably mounted on said body and extending completely through said spool, said shaft being movable axially relative to said spool to one position, means for connecting said shaft to said spool when in said one position, a stationary bearing on said body engaging one end of said shaft adjacent one end of said spool, a sliding bearing on said shaft engaging said body adjacent the opposite end of said spool and cooperating with said stationary bearing to position said shaft in said body and in operative relation with said spool, means for rotating said shaft to rotate said spool as a unit therewith to wind the film on said spool, means to slide said shaft axially into and out of connected relation with said spool, means to limit the axial movement of said shaft, and means for yieldably and releasably holding said shaft selectively in either of its axial positions.

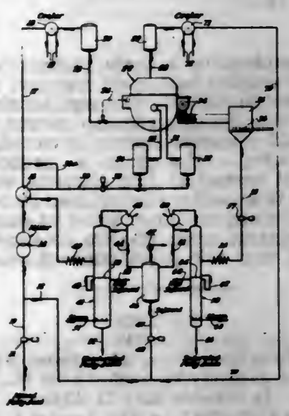
2,571,662
VERTICAL SCREW AIRCRAFT
John Oliver Black, Detroit, Mich.
Application February 3, 1948, Serial No. 5,939
10 Claims. (Cl. 244—6)

1. An aircraft comprising a fuselage and a pair of wings extending from the fuselage, each of said wings having a well extending therethrough, an engine positioned at least in part in each of said wells, a support extending from each side of the fuselage on which each engine is mounted, a vertically lifting air screw rotatable in a horizontal plane connected to each engine and positioned above both said engine and the adjacent



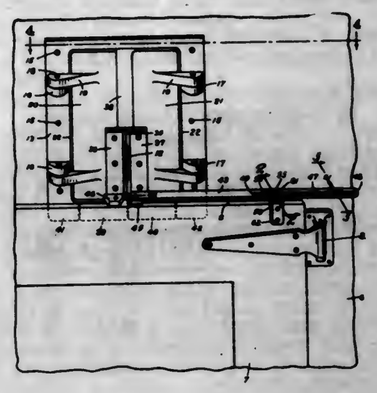
wing, and means mounting said wings on said supports independently of said engines.

2,571,663
REFINING OF FATTY ACIDS
Ward J. Bloomer, Westfield, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application April 26, 1946, Serial No. 665,083
3 Claims. (Cl. 260—419)



1. The method of resolving a mixture of the fatty acids derived from soy bean oil into a fraction containing substantially only unsaturated acids and a second fraction containing substantially only saturated acids which comprises feeding a mixture of the fatty acids having an iodine number of approximately 137 (Wijs) to a mixing device and mixing said acids with non-toxic ethyl alcohol, reducing the temperature of said mixture to below —10° F., continuously filtering said mixture, washing the filter cake and separating as a filtrate approximately 85% of the charge as unsaturated acids having an iodine number in excess of 160 from the remainder of the charge as saturated acids having an iodine number less than 10.

2,571,664
TRACK DOOR STRUCTURE
Chase Blum, Cincinnati, Ohio
Application October 31, 1945, Serial No. 625,751
1 Claim. (Cl. 268—14)



In a refrigerator construction including a wall having a walk-in main door opening, a smaller auxiliary track door opening above the first-mentioned opening, a main door having an edge hinged along one vertical edge of the main door opening, and a pair of track doors hinged at opposite vertical sides of the track door opening, linkage means within the refrigerator connecting the track doors for corresponding opening and closing movements, a perforate lug extending outwardly from one of the track doors, an actuator bar having one end pivoted to the perforate lug of said one track door, said bar including a second end longitudinally slotted, a bracket fixed to the main door including a horizontal extension having an upper bearing face upon which the slotted end of the actuator bar may slide while being supported by said bearing face, an upright pivot member anchored to the main door bracket and passing through the slot of the actuator bar with clearance sufficient to ride lengthwise within the slot when the main door is swung about its hinge, a stop adjustably fixed within the slot of the actuator bar at one side of the pivot member, to engage the pivot member only when the main door is opened wider than required for human ingress and egress through the main door opening, and a second stop adjustably fixed within said slot at the opposite side of the pivot member, to be contacted by the pivot member whenever the main door and the track doors are fully closed.

2,571,665
TIRE CHAIN APPLIER
Rudolph Boettinger, Englewood, N. J.
Application March 25, 1948, Serial No. 16,913
2 Claims. (Cl. 81—15.8)

1. An applier for mounting emergency tire chain units to the mounted tire of an automobile wheel consisting of a relatively long collable section of a flexible metal tape having a securing member adjacent its outer end for engaging a tire strap, said securing member including a pair of jaws mounted at spaced points, one of which is pivotal, for securing the same removably to the strap of an emergency tire chain, a stop member adjacent its inner end to prevent the tape from being withdrawn through said wheel, and a fastening member extending outwardly of its outer surface intermediate its ends adapted to receive

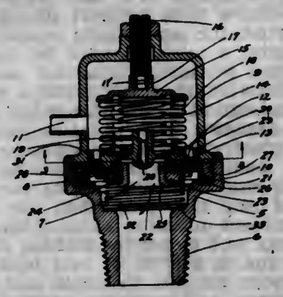


said securing member for releasably locking the tape in its normally coiled position when not in use.

2,571,666
OXIDATION OF MERCAPTANS
Donald C. Bond, Northbrook, and Michael Savoy, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 25, 1947, Serial No. 782,214
4 Claims. (Cl. 196—29)

1. A method of sweetening hydrocarbon liquids containing mercaptans comprising intimately contacting said liquid with air and alkali solution containing a small amount of a quinone selected from the group consisting of thymoquinone; 2,5-ditertiary butylquinone; 1,2-naphthoquinone.

2,571,667
RELIEF VALVE
Carlton W. Bondurant, Dayton, Ohio, assignor to Standard-Thomson Corporation, a corporation of Delaware
Application January 29, 1945, Serial No. 575,048
3 Claims. (Cl. 277—45)



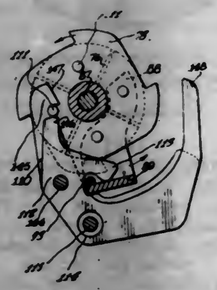
1. In a relief valve comprising a tubular structure having means whereby it may be attached to a tank containing fluid under pressure, an annular element of flexible material, the outer portion of which is secured to said structure and the inner portion of which is free to move with relation to said outer portion and has a part forming a valve seat, the central opening in said annular element constituting a port, said inner portion of said annular element being subjected to tank pressure to retain said valve seat normally in a predetermined position, a movable valve member to engage said valve seat when the latter is in said predetermined position and close said port, yieldable means for moving said valve member in port closing direction, said inner portion of said annular element also being subjected to atmospheric pressure to move said valve seat out of engagement with said valve member when said atmospheric pressure materially exceeds tank pressure.

2,571,668

COIN-CONTROLLED VENDING MACHINE

George P. Booth, Dobbs Ferry, N. Y., and Lawrence M. Smith, West New York, N. J., assignors to Interborough News Company, New York, N. Y.

Application July 12, 1947, Serial No. 760,678
6 Claims. (Cl. 194—35)



1. In a vending machine comprising a casing; a gum container extending vertically within the casing; a shaft mounted on the casing below the container; disc elements journaled on the shaft and including radially extending slots for receiving the edges of a coin, gum engaging projections adapted to eject gum from said gum container upon a part revolution of said disc elements, and stop pins extending axially of said shaft; abutment means pivoted on said shaft for engagement with a coin retained within said slots to rotate said disc elements a part revolution; and a stop means for limiting the rotation of said disc elements to a part revolution at a time including a hook member having a hook-shaped portion for sequentially receiving one of said stop pins, a catch member for sequentially engaging and releasably retaining said one of said stop pins in the hook portion, said hook member and said catch member being pivoted at their pin engaging ends to cause them to be biased by gravity to the pin engaging position, said catch member having a releasing arm engageable by said abutment means for releasing said one of said stop pins upon the operation of said abutment means to advance the coin and disc elements, and means for limiting the pivotal movement due to gravity of said hook member and said catch member to locate said members in pin receiving and retaining position.

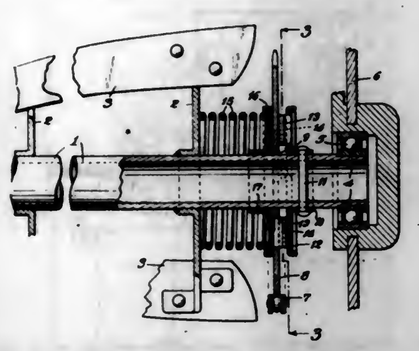
2,571,669

LAWN MOWER REEL DRIVE

Eugene L. Boyce and Milford D. Burrows, Chicago, Ill., assignors to Pioneer Gen-E-Motor Corporation, Chicago, Ill., a corporation of Delaware

Application November 12, 1947, Serial No. 785,386
2 Claims. (Cl. 56—249)

1. In a lawnmower reel assembly and driving means therefor, a reel shaft having blade supporting spiders thereon, a driven member secured to the shaft and a drive member on the shaft, apertured to permit the passage of the shaft therethrough, the driving member and the driven member having parallel body webs lying in planes generally perpendicular to the axis of the reel shaft, the said two members having opposed generally radially extending matching projections spaced circumferentially about the axis of the reel shaft, and means for normally urging the drive member into driving relationship with the driven member, including a spring coiled about the reel shaft and compressed between one of the spiders and the drive member, the spring being of sufficient strength to



maintain the drive under normal cutting conditions in driving relationship with the driven member, the angle and spacing of the opposed projections being adapted to impart substantial endwise vibration to the reel shaft when rotation of the reel shaft is inhibited.

2,571,670

METHOD OF PRODUCING PHOTOGRAPHIC CONTRASTS

Julius Goeman Bos, Cornelis Johannes Dippel, Harke Jan Houtman, Klaas Jannes Keuning, and Sjoerd Wijtses, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application January 21, 1947, Serial No. 723,426
In the Netherlands January 21, 1946
4 Claims. (Cl. 95—5)

1. In the process of producing photographic contrasts on a transparent cellulosic moisture absorbent carrier having a given initial moisture content and supporting a light-sensitive system containing a diazonium compound and a reducible mercurous salt, the steps comprising varying the moisture content of one portion of said carrier to an extent at which the resultant moisture content of said portion has a value which corresponds to a state of equilibrium between said portion and an atmosphere having a relative humidity of about 40 to 96%, varying the moisture content of a second portion of the carrier to an extent at which the resultant moisture content of said second portion has a value different than the moisture content of said first portion and has a value which corresponds to a state of equilibrium between said second portion and an atmosphere having a relative humidity of about 40 to 96%, exposing the first portion containing the said moisture content to the action of light having a given intensity of illumination to form a photographic contrast thereon having a given gamma value, and exposing the second portion containing the said moisture content to the action of light having an intensity different from said given intensity to form a photographic contrast thereon having a gamma value different from said given gamma value.

2,571,671

PROCESS OF PRODUCING PHOTOGRAPHIC CONTRASTS

Julius Goeman Bos, Nikel Hendriks Haack, Cornelis Johannes Dippel, and Klaas Jannes Keuning, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

No Drawing. Application February 8, 1947, Serial No. 727,310. In the Netherlands January 18, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 18, 1966
5 Claims. (Cl. 95—5)

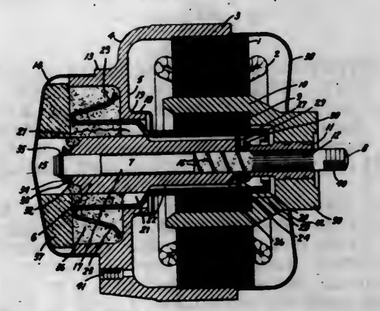
1. In the process of producing photographic contrasts on a transparent cellulosic moisture absorbent carrier having a given initial moisture content and supporting a light-sensitive system containing a diazonium compound and a reducible mercurous salt, the steps comprising varying the moisture content of one portion of said carrier to an extent at which the resulting moisture content of said portion has a value of about 10 to 28% by weight of the carrier and corresponds to a state of equilibrium between said portion and an atmosphere having a relative humidity of about 40 to 90%, varying the moisture content of the second portion of the carrier to an extent at which the resultant moisture content of said second portion has a value different than the moisture content of said first portion and has a value of about 10 to 28% by weight of the carrier and corresponds to a state of equilibrium between said second portion and an atmosphere having a relative humidity of about 40 to 90%, and exposing said first and second portions containing the said moisture contents at the time of exposure to the action of light through a photographic negative with substantially the same intensity of illumintaion to form images on the respective portions of the carrier having different contrast values with respect to the image on the photographic negative.

2,571,672

SUPPORTING STRUCTURE FOR MACHINES

Harl C. Bradley, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 14, 1948, Serial No. 38,669
9 Claims. (Cl. 308—132)



1. A supporting structure for a machine having a stationary member and a rotatable member, said stationary member including a frame having an outwardly extending portion with a bearing secured thereto, a shaft rotatably supported by said bearing and having an extension beyond one end thereof for supporting said rotatable member, a cover member secured to said outwardly extending portion and forming therewith a lubricant retaining cavity at the end of said bearing remote from said shaft extension, means including absorbent material extending into said cavity and contacting said shaft adjacent the end of said bearing remote from said cavity for feeding lubricant to said bearing, and means on said shaft for pumping lubricant from said feeding means along said shaft through said bearing from the end of said bearing adjacent said shaft extension toward said cavity whereby said lubricant is returned to said cavity.

2,571,673

FIN WEDGE FOR HIGH HEEL SHOES

Lee Don Brannen and Jacqueline Brannen, Boston, Mass.

Application November 9, 1950, Serial No. 194,826
2 Claims. (Cl. 36—76)



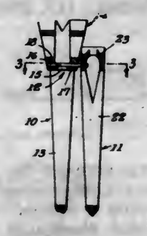
1. A high heeled shoe including a fin wedge connection between the high heel and the outer sole of the shoe, the sole of the shoe having a continuous fin receiving groove which extends from the nude side of the sole into the heel breast, the breast of the heel having a groove, and said fin having a part of full thickness received in the groove in the heel breast and another part received in the groove in the sole.

2,571,674

FINGER RING WITH A SLIDE CONNECTOR

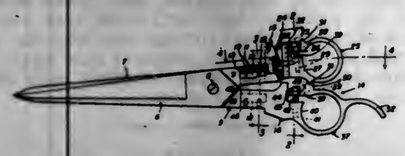
Jules Braunstein, North Hollywood, Calif.

Application June 7, 1948, Serial No. 31,560
5 Claims. (Cl. 63—15)



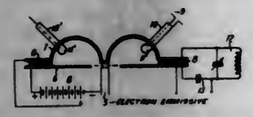
1. A finger ring formed with a transverse slideway extending from one side of the ring to the opposite side, a slide element in said slideway and movable from an inoperative retracted position entirely confined within the slideway to an operative projected position beyond one side of the ring, ring-engaging means on the projected portion of the slide element adapted to engage a separate finger ring when said slide element is in said operative position to hold said separate ring non-rotational relative to the ring having the slideway, and means provided in the slideway to engage and hold the slide element in both positions thereof, selectively.

2,571,675
ADJUSTABLE THUMB AND FINGER LOOP FOR SCISSORS AND SHEARS
Otin B. Bray, Lynwood, Calif.
Application August 14, 1950, Serial No. 179,253
1 Claim. (Cl. 30—341)



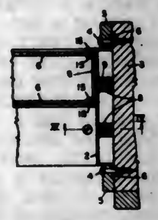
In a pair of shears, a thumb receiving loop and a finger receiving loop forming extremities of a pair of shear blade levers, each of said loops being split and the split ends of each loop being spring urged away from one another by the inherent resiliency of the loops, fastening means connecting the split ends of each loop and adjustable for drawing said split ends toward one another to restrict the openings defined by the loops to fit thumbs and fingers of different sizes, said loops having portions disposed in abutting engagement when the shears are in a fully closed position, means slidably mounting one of said loops for movement toward and away from the other loop and relative to the blade lever of which said loop forms a part for varying the extent of movement of the blade levers toward a closed position to compensate for displacement of said abutting portions of the loops toward and away from one another when the size of the loops are varied by adjustment of the fastening means.

2,571,676
CIRCUIT ARRANGEMENT EMBODYING ELECTRON DISCHARGE DEVICE EMPLOYING HOLLOW RESONATOR
Cabot Seaton Bull, Hillingdon, Middlesex, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application January 17, 1946, Serial No. 641,842
In Great Britain May 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 21, 1961
15 Claims. (Cl. 250—20)



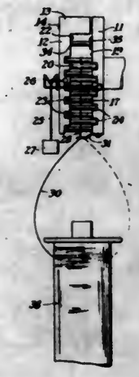
1. A circuit arrangement for mixing high frequency oscillations comprising an electron discharge device having a hollow resonator, a cathode external to said resonator and arranged to project an electron stream through an aperture formed in a wall of said resonator, said wall constituting an accelerating electrode, and an anode for collecting electrons emitted by said cathode, means for applying the high frequency oscillations to be mixed to said device, at least one set of said high frequency oscillations being applied so as to excite said resonator, at least a part of said anode being so positioned within said resonator that when the latter is excited a high frequency oscillatory field is set up which extends between said anode and said accelerating electrode, means for maintaining said accelerating electrode at a positive potential with respect to the potential of said cathode and for maintaining said anode at substantially the potential of said cathode, and an output circuit coupled to said anode in which an output of a desired beat frequency can be established, whereby, during operation, part of the electron stream passing said accelerating electrode is reflected due to the high frequency field in said resonator before reaching said anode, so that the accelerating electrode and anode function as a diode.

2,571,677
WINDOW
Wilbur B. Burke, East Cleveland, Ohio
Application April 3, 1946, Serial No. 659,274
3 Claims. (Cl. 189—72)



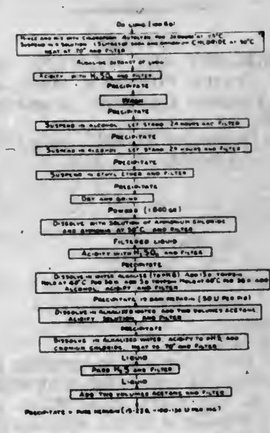
1. In window construction, a metal sash guide member, a double glazed sash member therein formed of nested sheet metal channels with the flanges of the inner channel spaced from the flanges of the outer channel to hold the edges of glass panes therebetween, and inter-engaging means facilitating sliding movement of the sash member in the sash guide member including a longitudinal tongue formed in one member and a longitudinal groove formed in the adjacent portion of the other member.

2,571,678
YARN TENSIONING DEVICE
Paul J. Burns, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 23, 1947, Serial No. 770,256
10 Claims. (Cl. 242—154)



1. A tensioning device for use in a yarn machine comprising, in combination, a pair of pivotally connected members adapted to move relatively in parallel relation, a group of upstanding aligned parallel fingers carried by each of said members and extending toward the other member, means for moving said members relatively to position said groups of fingers in parallel intermeshing relation and in engagement with said yarn to apply tension thereto as the yarn moves over said intermeshing fingers, and means for guiding said yarn to said fingers to permit the yarn to oscillate freely over the full length of the fingers to prevent excessive wear thereof.

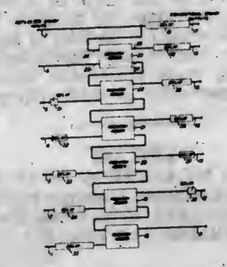
2,571,679
PROCESS FOR PREPARING PURIFIED HEPARIN
Luigi Butturini, Milan, and Giuseppe Bernini, Melegnano, Italy, assignors to Carlo Erba S. A., Milan, Italy, a firm
Application July 8, 1948, Serial No. 37,525
4 Claims. (Cl. 167—74)



1. A process for the preparation of heparin, comprising extraction from autolyzed ox lung with solution of sodium hydroxide and ammonium chloride, acidifying such extract to cause precipitation, washing the so obtained precipitate with a volatile solvent and drying it, treating the dried residue with an alkaline solution, filtering the suspension thus obtained, acidifying the filtered solution to obtain a precipitate, subjecting said last mentioned precipitate to digestion with trypsin, precipitating heparin with alcohol and separating the heparin by filtration.

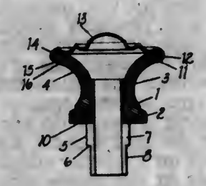
2,571,680
PULSE CODE MODULATION SYSTEM EMPLOYING CODE SUBSTITUTION
Robert L. Carbrey, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1949, Serial No. 75,875
4 Claims. (Cl. 178—43.5)

4. A system for translating reflected binary code characters into code characters of the conventional binary code comprising; a plurality of first circuits each carrying a signal representing one digit of a reflected binary code character; a plurality of output circuits one for each digit of the conventional binary code character corresponding to the reflected binary code character represented by the signals on said first circuits; a plurality of reentry addition circuits each having two input terminals and an output terminal, and each adapted to respond to binary signals of like characteristic on said two input terminals to produce a binary signal of one characteristic on said output terminal and to respond to binary signals of unlike characteristic on said two input terminals to produce a binary signal of the characteristic opposite to said one characteristic on said output terminal; a connection from that one of said first circuits carrying a signal representing the digit of highest significance of the reflected binary code character directly to that one of said output circuits corresponding to the digit of highest significance of the conventional binary code character; connections from one input terminal of each reentry circuit to a respective one of the others of said first circuits carrying a signal representing one digit of a binary code character; connections from the other input terminal of each of said re-



entry circuits to the output circuit for that digit of the conventional code of significance higher than the significance of the reflected binary code digit represented by the signal carried by the first circuit connected to said one input terminal of the respective reentry addition circuit; and connections from the output terminal of each reentry addition circuit to that one of said output circuits corresponding to the digit of the conventional binary code character of significance corresponding to the significance of the reflected binary code digit represented by the signal carried by the first circuit connected to said one input terminal of the respective reentry addition circuit.

2,571,681
KNOB FOR SPINDLES OF ELECTRICAL APPARATUS AND THE LIKE
Earle Wiley Clark, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich., a corporation of Michigan
Application March 12, 1947, Serial No. 734,178
5 Claims. (Cl. 74—553)



1. A knob for a control spindle of an electrical apparatus comprising a hollow body open at its outer end, the inner wall of the body diverging generally outwardly towards the outer end, said body being of molded plastic electrical insulating material including a base portion, a reduced neck portion and a grip portion, the neck portion being flared outwardly and merging into the grip portion, and a stem composed of insulating material and molded integrally with said base por-

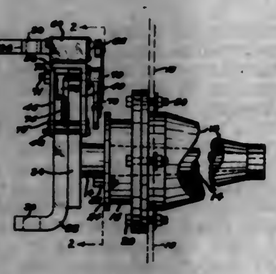
tion and projecting exteriorly of the hollow body away from the base portion, said base portion constituting means adapted to be disposed exteriorly of a panel, and said stem constituting means adapted to project into an opening in a panel and engage a spindle, the grip portion being undercut at the periphery thereof to provide a rearwardly facing annular recess and an outwardly facing shoulder at the edge of the recess, and a sheet metal cap having an inwardly facing flange to provide an inwardly facing channel for retainingly embracing the periphery of the grip portion with its inner edge lying within the undercut thereof and guarded by the shoulder at the inner edge of the undercut, said neck portion flaring concavedly outwardly and merging into said grip portion in the form of a radially outwardly extending flange-like member for engagement within the channel section of said cap, said body and stem electrically insulating a spindle received in said stem from said metal cap embracing the outer edge of said grip portion.

2,571,682

LAND MEASURING DEVICE

Frank J. Cochnar, Dorchester, Nebr.

Application May 20, 1949, Serial No. 94,469
1 Claim. (Cl. 235—95)



In a land measuring attachment for a vehicle, the combination which comprises a wheel carrying spindle, a vertically disposed C-shaped axle mounting yoke from which the spindle extends, an extension plate extended over the spindle and positioned against the outer face of the yoke, an L-shape mounting member having a vertical leg positioned against the face of the said extension plate and a horizontal leg extended across one side of the yoke, an inner plate positioned against the inner face of the yoke, bolts extended through the said inner plate and vertical leg of the mounting member clamping the said mounting member to the yoke, an arm pivotally mounted in the said mounting member and inner plate, a counter mounted on the said horizontal leg of the mounting member, a resilient rod connecting the pivotally mounted arm to the counter, a wheel mounting hub having a flange on the inner end positioned around the said spindle, an extension hub having a flange on the outer end corresponding with the flange of the wheel mounting hub and having an annular plate on the inner end parallel to and spaced from the flange, and also spaced from the said extension plate positioned against the outer face of the yoke, bolts securing the flange of the extension hub to the flange of the wheel mounting hub, and a stud carried by the annular plate of the extension hub and positioned to engage the said arm pivotally mounted in the L-shape mounting member and inner plate for actuating the said counter with each revolution of the said wheel mounting hub.

2,571,683

MIXTURES COMPRISING POLYACRYLONITRILE AND A POLYVINYL ACETAL

Harry W. Coover, Jr., Kingsport, Tenn., and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 13, 1950, Serial No. 155,792
14 Claims. (Cl. 260—45.5)

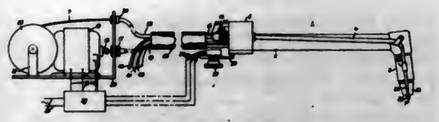
1. A resinous composition consisting of from 60 to 90 per cent by weight of polyacrylonitrile and from 40 to 10 per cent by weight of a polyvinyl acetal containing from 1 to 5 per cent by weight of polyvinyl acetate units and from 2 to 50 per cent by weight of polyvinyl alcohol units, the remainder being polyvinyl acetal units.

2,571,684

GAS SHIELDED ARC WELDING TORCH

Kenneth C. Craven, Fitchburg, Mass., assignor to General Electric Company, a corporation of New York

Application December 31, 1949, Serial No. 136,247
7 Claims. (Cl. 219—8)



1. A hand torch for use in welding operations in which a filler wire is fused and added to the weld metal at the point of welding, said torch comprising a handle, a nozzle angularly disposed on the front end portion of said handle, means extending lengthwise of said handle for establishing a heating agency at the tip of said nozzle, flexible connections extending from the rear end of said handle to said last mentioned means from a supply means located remotely from said torch, an enclosure mounted on the rear end of said handle beyond the hand grip portion thereof, a wire feeding mechanism in said enclosure and having a drive shaft extending from said enclosure, a motor supported at a point remote from said torch and having a rotatable shaft, a flexible shaft one end of which is connected to said drive shaft of said feeding mechanism and the other end of which is connected to said shaft of said motor, a flexible wire guide extending from said enclosure and said feeding mechanism therein to a supply of filler wire located remotely from said torch, and a wire guide extending along said torch from said enclosure and said feeding mechanism therein to the tip portion of said nozzle, said wire guide conforming to the contour of said torch and having a delivery end portion extending along the outside of said nozzle and terminating in a curved end which is turned inwardly toward the center of the tip portion of said nozzle.

2,571,685

STENCIL PRINTING MACHINE

Louis F. D'Autremont, Dayton, Ohio

Application November 15, 1947, Serial No. 786,213
3 Claims. (Cl. 101—123)

1. A process printing machine comprising a printing table, a screen-frame arranged for movement toward and away from said table, a control frame supported for movement relative to said table, a track on said control frame, a carriage mounted on said track for traversing movement thereon, a squeegee secured to said carriage, a handle on said control frame for enabling the operator to move said frame relative to said table and thereby raise or lower said squeegee, and a lost motion device for connecting



said control frame with said screen-frame so as to cause said screen frame to be moved away from said table after said squeegee has been raised a predetermined distance above said table to thereby enable printing material to be inserted or removed from beneath said frame.

2,571,686

METHOD OF RECOVERING CELLULOSE ESTER FILM SCRAP

Harry I. Davis, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 18, 1950, Serial No. 190,880
4 Claims. (Cl. 260—230)

1. In the method of reclaiming cellulose ester film scrap in which the scrap is subjected to surface hydrolysis with dilute alkali and then drained, the step which comprises treating the drained film scrap with an aqueous solution of a water-soluble salt selected from the group consisting of the water-soluble iron and aluminum salts, this salt being present in the treating liquid in an amount sufficient to combine with all of the alkali present on the film scrap.

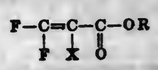
2,571,687

COPOLYMERS OF B,B-DIFLUOROACRYLIC ACID ESTERS

Joseph B. Dickey, Rochester, N. Y., and James G. McNally, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 15, 1949, Serial No. 110,475
11 Claims. (Cl. 260—86.1)

1. The polymer resulting from the polymerization of a composition essentially consisting of 28–70% of an ester having the formula



X being a substituent selected from the group of hydrogen, methyl, ethyl, propyl and butyl, and R being a substituent selected from the group of alkyls of not more than four carbon atoms, benzyl, phenyl, cresyl and naphthyl, and an unsaturated compound containing but one aliphatic C=C group per molecule.

2,571,688

PRODUCTION OF COLLOIDAL SILVER

Harold Owen Dickinson, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company

No Drawing. Application November 19, 1947, Serial No. 787,025. In Great Britain November 29, 1946
2 Claims. (Cl. 252—313)

1. Process for the production of colloidal silver which comprises reacting in an aqueous gelatin solution silver nitrate in the proportion of ½ volume of a 1/10 normal solution with ½ volume of a 1/20 molar solution of a compound taken from the group consisting of thiourea and selenourea and adding the colloidal silver salt formed which is taken from the group consisting of colloidal silver sulfide and colloidal silver selenide to an aqueous gelatin solution containing a quantity of silver nitrate equivalent to 1 to 4 volumes of normal silver nitrate solution per 100 volumes of gelatin solution and admixing a chemically equivalent quantity of photographic developing agent.

2,571,689

PROCESS FOR THE PREPARATION OF STRONGLY LATHERING AND PURIFYING AGENTS, SHAMPOOS, AND THE LIKE

Petrus Bernardus Hubertus Maria Dobbelmann and Johannes van Loon, Nimeguen, Netherlands, assignors to Dobbelman N. V., Nimeguen, Netherlands

No Drawing. Application October 30, 1947, Serial No. 783,208. In the Netherlands November 1, 1946
10 Claims. (Cl. 252—121)

1. A process for the preparation of strongly lathering and purifying washing agents adapted for use in hard water and sea water, comprising mixing a solution of a water soluble salt of a sulfate ester containing a hydrocarbon group having a secondary carbon atom with strong lye and thereby separating out the salt of the sulfate ester, and mixing therewith and saponifying a molten unsaponified rosin product, sufficient lye being used and present in the sulfate ester salt to saponify and neutralize the rosin product, the rosin product comprising between 15% and 50% of the quantity of the sulfate ester salt.

2,571,690

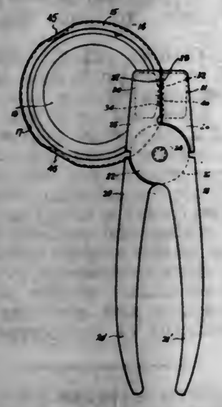
DETERGENT COMPOSITION

Petrus Bernardus Hubertus Maria Dobbelmann, Nimeguen, and Simon Hendrik Bertram, The Hague, Netherlands, assignors to Dobbelman N. V., Nimeguen, Netherlands

No Drawing. Application January 20, 1948, Serial No. 3,374. In the Netherlands January 20, 1947
8 Claims. (Cl. 252—133)

4. A detergent composition for producing suds in hard water, comprising particles of a suds-producing fatty acid soap, and a layer of water soluble material covering the particles of soap consisting of an alkali metal compound selected from the group consisting of alkali metal fluorides, oxalates and ferrocyanides, the alkali metal compound of the layer covering the soap particles being adapted to dissolve in the water before the water contacts the soap of the covered particles and to react with the cations in the water which cause its hardness and to form substantially non-ionised compounds therewith, thereby preventing the reaction of such cations with the soap.

2,571,691
CAN COVER CLINCHER
Morton L. Dodge, Seattle, Wash.
Application August 19, 1947, Serial No. 769,385
2 Claims. (Cl. 81—15)



1. A tool of the character described comprising a pair of pivotally connected levers providing handle portions and jaw portions, said jaw portions having forming blocks projecting from corresponding side faces thereof; said blocks having opposedly related work engaging faces extending in the general longitudinal direction of the tool; one of the work engaging faces being straight and having a groove therein extending in the longitudinal direction of the tool, and the other of said work engaging faces being arcuate and extending in the general direction of the tool, and curved between its ends toward the straight face.

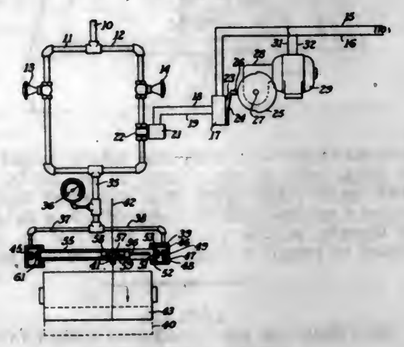
2,571,692
FISHING ROD
Henri Dubois, Levallois, France, assignor, by mesne assignments, to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application March 16, 1946, Serial No. 655,029. In France March 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 11, 1964
12 Claims. (Cl. 43—18)

1. A fishing rod comprising a group of strands of glass fiber material, each of said strands extending longitudinally along the axis of the rod and being composed of a plurality of glass fibers, said strands being maintained in their longitudinally extending relation throughout their lengths by a hard resinous binder, each of said strands and some of said fibers being secured to adjacent strands and adjacent fibers by said binder, said group of strands and the fibers therein being in closely assembled relation, and said rod diminishing in thickness from one end to the other.

2,571,693
PROCESS FOR PRODUCTION OF STREPTOMYCIN
Eugene L. Dulaney, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 25, 1950, Serial No. 175,891
1 Claim. (Cl. 195—80)

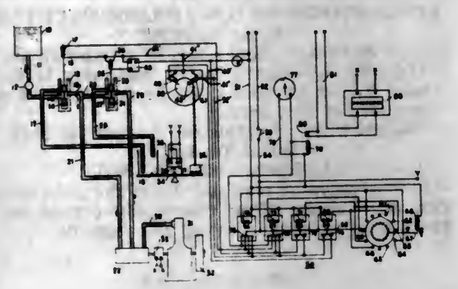
The process for the production of streptomycin that comprises fermenting an aqueous nutrient medium under submerged aerated and mechanically agitated conditions by means of the herein described organism *Streptomyces griseus*, albus mutant (Dulaney Z-38).

2,571,694
RIBBON BREAKER FOR FLUID DRIVEN YARN TRAVERSE MECHANISMS
Richard F. Dyer, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 27, 1950, Serial No. 187,125
9 Claims. (Cl. 242—43)



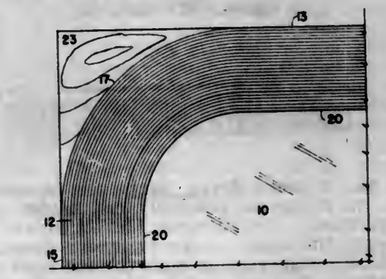
1. A ribbon breaker device for a fluid operated traverse mechanism which is adapted to wind yarns or the like on a rotating package comprising in combination means for supplying fluid under pressure for operating the traverse mechanism with means for varying said fluid pressure to produce a change in rate of travel of said traverse mechanism whereby ribbon formation during winding is prevented.

2,571,695
ELECTRICAL FUEL WEIGHING DEVICE
Lynn E. Ellison, Crystal Lake, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application December 12, 1947, Serial No. 791,401
6 Claims. (Cl. 73—113)



1. In a metering apparatus for regulations flow of liquids, in combination with a primary supply, electrically actuated control valves, a receiving vessel, a weighing scale for supporting the said receiving vessel, a first conduit from the primary supply through the first one of said control valves to a delivery point, a second conduit from said delivery point to the second of said control valves, a third conduit from the second of said control valves to said receiving vessel, a fourth conduit from said receiving vessel to the first of said control valves, and a fifth conduit connecting said first conduit to the second of said control valves, and control means including an electrical circuit, a plurality of relays to synchronize the action of the several portions of the apparatus, the first of the said relays to energize said control valves to cause liquids to flow from said primary supply to said receiving vessel, the second relay being energized when a predetermined amount of liquid enters said receiving vessel to interrupt the flow of liquid thereto, a third relay which energizes the valves to cause liquid to flow from said receiving vessel to the delivery point, a fourth relay which is energized by said weighing scale when the predetermined quantity of liquid has flown out therefrom, said fourth relay also causing said receiving vessel to assume a position in which it can receive additional liquid, whereby a fifth relay operates to energize the said control valves to permit liquid to flow from the primary supply on the consumption of a given quantity of liquid at the delivery point.

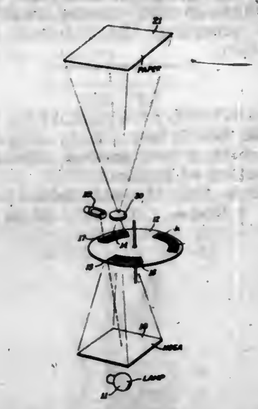
2,571,696
DOOR
Aymar Embury, II, New York, N. Y.
Application April 21, 1948, Serial No. 22,322
3 Claims. (Cl. 20—35)



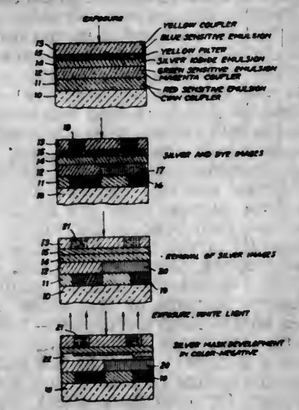
1. A door comprising a glass panel extending throughout the major portion of the door area, and a border strip surrounding said panel, said border strip comprising portions extending along opposite sides of said panel, upper and lower portions extending respectively along the top and bottom of said panel, and curved portions joining said upper and lower portions with said side portions of said border strip, all of said border strip portions being formed of laminated wood, the laminations being perpendicular to the face of said door.

2,571,697
METHOD FOR CORRECTING PHOTOGRAPHIC COLOR PRINTS
Ralph M. Evans, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 20, 1946, Serial No. 677,973
2 Claims. (Cl. 95—2)

1. The method of printing a multi-color transparency onto a photographic printing material whose sensitivity lies in three different regions of the spectrum, which comprises uniformly illuminating said transparency with light which contains energy in said three regions of the spectrum, integrating the light transmitted through the transparency, measuring the color of said integrated light, determining the color and amount by which said integrated light departs from light which will print as gray on said printing material, adjusting the intensity of the printing light so that when integrally passed through said transparency, it has the same printing characteristics as light which prints substantially as gray, and then focussing and printing said transparency onto said printing material with said last-mentioned light.



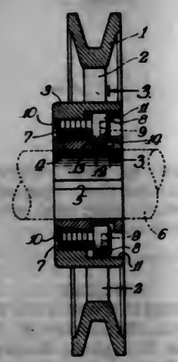
2,571,698
PHOTOGRAPHIC MASKING PROCESS
Scheuring S. Fierke, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 2, 1948, Serial No. 30,678
4 Claims. (Cl. 95—2)



1. The method of forming a masking image in a multilayer color film having three superposed silver halide emulsion layers sensitized respectively to the red, green and blue regions of the visible spectrum and containing coupler compounds for color-developing in said emulsion layers dye images of colors complementary to the sensitivities of said emulsion layers, the principal halide constituent of said layers being a halide other than silver iodide, the blue-sensitive layer being outermost, and a silver iodide emulsion layer between any two of said emulsion layers, which comprises exposing said film to a colored subject, developing silver and subtractively colored dye images in said red, green and blue-sensitive emulsion layers by means of a primary

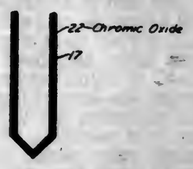
aromatic amino developing agent, removing said silver images and residual silver halide from said three emulsion layers, exposing said masking emulsion layer through a dye image other than the yellow dye image in said film, developing a masking image in said exposed masking emulsion layer and removing the residual silver halide from said film.

2,571,699
MOUNTING FOR SHEAVES, ETC.
David Firth, South Bend, Ind., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana
Application July 11, 1946, Serial No. 682,831
1 Claim. (Cl. 287—52.06)



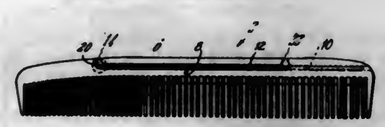
A shaft-mountable unit comprising a taper-bored hub, a tapered split contractible bushing fitting therein, cap screws substantially parallel with the hub axis threaded in the hub and having their heads within the hub, said screws being inserted from the hub end of largest inside diameter and being so centered that their heads extend into the hub bore, said hub having threaded holes for said screws with counterbored outer portions in which the heads of said screws are partially contained, the walls of which counterbored portions are cut for their full lengths by the hub bore so that they are parti-circular in cross section, said bushing having in spaced relation from its larger end an annular groove into which said screw heads extend and whose side walls form thrust-sustaining shoulders, said counterbored portions of the screw holes being of greater length than the distance from said hub end to the inner side wall of said groove when the bushing is closely fitted in the hub, and said screws having means accessible to and engageable by a wrench for operating them, whereby the bushing can be wedged between the hub and a shaft by tightening said screws against the inner side wall of said groove and can be dewedged by reversely operating and tightening said screws against the outer side wall of said groove, the relation of the screw holes to the hub bore being such that under all conditions a substantial clearance exists between the outer ends of the screw shanks and the perimeter of the bushing which when loose in the hub can be rotated therein, the portion of the bushing between its larger end and said groove having notches which by rotation of the bushing can be registered with said counterbored portions of the screw holes to provide through passages for the screw heads so as to permit insertion or withdrawal of the screws while the bushing is fitted in the hub.

2,571,700
METHOD OF COATING THERMOCOUPLES
Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania
Application May 3, 1946, Serial No. 666,974
2 Claims. (Cl. 136—4)



1. A method of increasing the life of a dimetallic unit employed as a thermocouple in the measurement of relatively high temperatures, said unit being encased in a protective envelope of refractory material; which method comprises introducing into the envelope a small quantity of a chromium compound, and thereafter volatilizing the compound to form a coating of chromic oxide upon the thermocouple at the temperature of operation.

2,571,701
HAIR DRESSING DEVICE
Gladys Forrester, East St. Louis, Ill.
Application March 9, 1949, Serial No. 80,537
1 Claim. (Cl. 132—33)

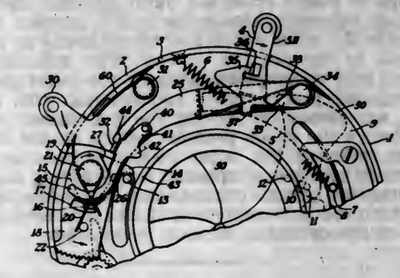


A hair dressing device comprising in combination, an elongated relatively flat holder having an outwardly opening groove on its forward face adjacent the upper longitudinal edge thereof and terminating at opposite ends thereof inwardly of opposite ends of said holder, the upper longitudinal edge of said holder being provided with downwardly extending forward and rear transverse notches communicating with opposite extremities of the groove, said holder having an elongated bore extending from one end of the groove and in parallelism and communication therewith and extending outwardly through one end of said holder, an elongated rod member oscillatable and slidable in the bore and groove between retracted and extended positions, the inner end of said rod member having a portion turned angularly relative to the main body portion thereof and receivable upon oscillation in the rear notch to hold said rod member in retracted position and receivable in the forward notch to hold said rod member in extended position wherein the outer end of said rod member extends longitudinally through the outer end of the bore and outwardly away from said holder.

2,571,702
STABILIZER FOR CAMERA SHUTTER TRIP MECHANISM
Carl C. Fuerst and Douglass C. Harvey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 31, 1950, Serial No. 153,257
4 Claims. (Cl. 95—63)

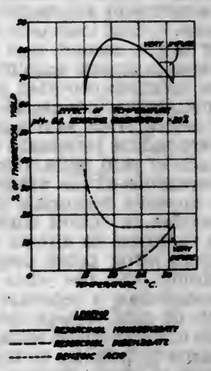
1. A shutter trip stabilizer for shutters of the type including an apertured casing, a plurality of

symmetrically shaped shutter blades pivotally mounted in the casing and adapted to open and close the aperture, a blade ring operatively attached to the blades and movable to move the blades, a power drive for the blade ring, a shutter trigger having limited movement, a protuberance carried by the blade ring, a latch for coacting with the blade ring protuberance, a latch lever for operating the latch, and a power-operated shutter release for engaging and driving the latch lever, said shutter trip stabilizer comprising means carried by the latch lever and movable



relative thereto and engageable by the trigger for tending to stop the movement of the latch lever at an intermediate position before the shutter is released and in position for the power-operated shutter release to move the latch lever to complete the release of the shutter, said means comprising a lever pivotally attached at one end to the latch lever and having a projection on one side, a stop on the shutter in the path of the projection, a flange on said pivoted lever extending between the latch lever and trigger, whereby pressure on the trigger may move the latch lever by the flange until the projection strikes the stop.

2,571,703
PROCESS OF MANUFACTURING RESORCINOL MONOBENZOATE
William M. Gearhart, Roy O. Hill, Jr., and Margaret H. Broyles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 30, 1949, Serial No. 102,222
5 Claims. (Cl. 260—476)



1. A process of manufacturing resorcinol monobenzoate in yields of at least 80%, which comprises treating an aqueous solution of resorcinol, of 15–20% concentration, with an aqueous solution of sodium hydroxide until the solution has a pH of 7.5–8.5, bringing the temperature of the solution to 19–21° C., adding benzoyl chloride gradually to the solution, maintaining the pH of the reaction mixture at 7.5–8.5 throughout the reaction by continued addition of sodium hydroxide solution, and maintaining the temperature of the reaction mixture at 19–21° C. throughout the reaction.

2,571,704
OPHTHALMIC MOUNTING
Maurice Theodore Gilden, Bronx, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 17, 1948, Serial No. 49,817
3 Claims. (Cl. 88—41)

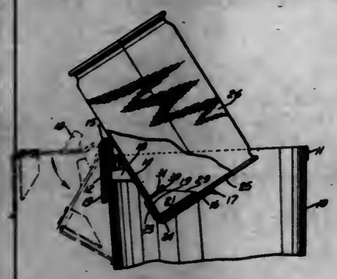


2. An ophthalmic mounting comprising a pair of lenses, a centrally disposed bridge member and supporting arms of a resilient nature on opposed sides of the bridge to follow the upper nasal, top and upper temporal peripheral edge of said lenses and having means to which temples may be secured, said lenses having outwardly extending V-beveled edge portions disposed on the upper temporal and upper nasal peripheral contour thereof, the front and rear surfaces of said beveled portion being of substantially plane shape and disposed to extend in a substantially vertical direction, and clamp means carried by said resilient arms adjacent the ends thereof, said clamp means each embodying a member channelled throughout its entire length in a substantially vertical direction to a substantially V-shape and having open ends, with the opposed walls of said V-shaped channelled part being of substantially plane shape and so angled as to coincide with the front and rear surfaces of the respective adjacent beveled edge portion of the lenses when resiliently urged by said arms into bearing contact therewith, said clamp means having a projecting portion lying within its channelled part and extending in a direction inwardly of said lens and said beveled edge portion each having an intermediate part notched to receive said projecting portion, the base of said notches lying in a plane passing substantially through the point of intersection of one of the beveled edges with the adjacent side surface of the lens, the width of said projecting portion being less than the separation of the opposed sides of the notch and being of a length slightly less than the depth of said notch.

2,571,705
CARTON CUTTER ATTACHMENT FOR DRINK MIXERS
Guy H. Goodman and Albert B. Staples, Oakland, Calif.
Application August 29, 1947, Serial No. 771,166
3 Claims. (Cl. 222—84)

1. An attachment for a container comprising, means for connecting said attachment to the container, body means pivotally connected with said means whereby in one position thereof said body means will be disposed substantially entirely within said container and in a second position

will be outside of the container, means carried by said body means for puncturing a substantially rectangularly shaped notch in a fibrous carton including a notched base portion spaced from said body means and flanges disposed at an acute angle with respect to said base portion, said



flanges having inclined edges, said inclined edges and said base portion meeting in sharp prongs, and means on said body means for positioning said body means to permit draining of substantially the entire contents of the carton into the container.

2,571,706

POLYVINYL ALCOHOL GELS

Donald E. Sargent, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 10, 1949, Serial No. 75,738
4 Claims. (Cl. 260—29.6)

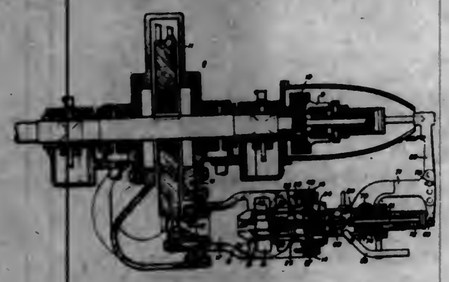
1. A thermo reversible gel composed of water, and polyvinyl alcohol mixed with a gelling amount of a substance selected from the class consisting of 4,5-diphenyl-imidazolone-(2)-x,x'-disulfonic acid and the alkali metal salts thereof.

2,571,707

TURBINE APPARATUS

Manious Gottlieb, Philadelphia, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 11, 1948, Serial No. 43,719
1 Claim. (Cl. 137—139)



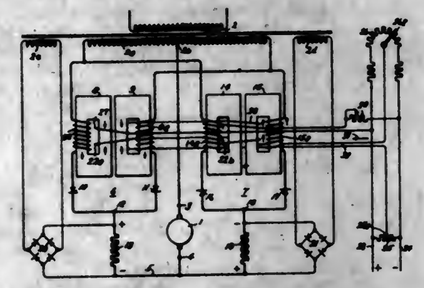
In a steam relay adapted for operation by a governor to position a valve to control the flow of steam from an inlet passage to a turbine and including a differential piston construction operatively connected to said valve, said differential piston construction including inner and outer piston members with the inner piston member disposed between the valve and the outer piston member, said inner piston member having a piston area facing toward the valve and said outer piston member having a piston area larger than the inner piston area and facing away from the valve, inner and outer cylinders for the piston members, means providing for direct application of inlet passage steam pressure to the inner piston area of the inner piston member, means providing for application of steam pressure to the outer piston area of the outer piston member and comprising a passage having an orifice for supplying steam from the inlet passage to the portion of the outer cylinder to which the outer piston area is exposed, means providing for escape of steam from the outer cylinder including an exhaust passage having a portion provided in the outer piston and which opens through a seat to the portion of the outer cylinder to which said outer piston area of the outer piston is exposed and a valve cooperating with said seat, and means for moving the last-named valve to change the steam pressure acting on the outer piston area of the outer piston to change the balanced relation of opposed forces acting on the differential piston construction in consequence of which the latter moves until the balanced relation of forces acting thereon is restored.

2,571,708

REVERSING MAGNETIC AMPLIFIER CONTROL SYSTEM

William L. O. Graves, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 21, 1949, Serial No. 94,612
5 Claims. (Cl. 321—25)



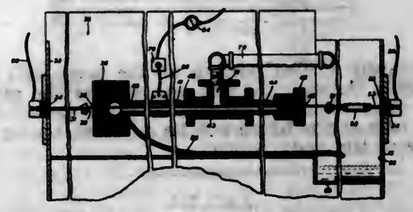
1. A reversing control system comprising in combination a source of alternating voltage having a center tap, a first load terminal connected to said center tap, a second load terminal, forward and reverse magnetic amplifiers each comprising a core member provided with a pair of reactance windings, a connection including a voltage drop device from said second load terminal to corresponding terminals of each of the windings of each of said pairs, connections from the opposite terminals of the windings of each of said pairs to opposite terminals of said source, a separate rectifier in circuit with each of said windings, the rectifiers in circuit with one pair of said windings being poled oppositely to the rectifiers in circuit with the other pair of windings, means comprising a separate rectifier connected to each of said voltage drop devices for supplying to its corresponding voltage drop device a voltage opposite in polarity to the voltage drop produced by the currents flowing in said windings, and means comprising a source of variable direct voltage and a saturating winding supplied therefrom for simultaneously increasing the magnetization of one of said core members and decreasing the magnetization of the other of said core members.

2,571,709

APPARATUS FOR ELECTROPLATING ARTICLES

Alvin N. Gray, Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1947, Serial No. 770,645
1 Claim. (Cl. 204—272)



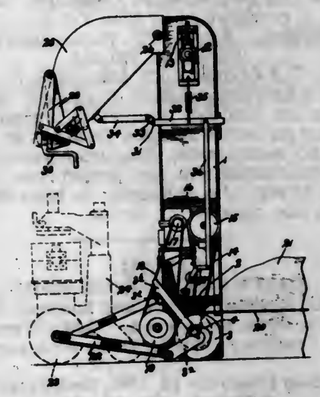
An apparatus for copper plating steel wires, which comprises a container, a copper pipe extending along the container, a drain fitting composed of electrical insulating material secured to one end of the pipe and having an opening in alignment with the pipe through which a steel wire to be plated may extend in close-fitting relationship, said fitting having a channel for directing liquid from the pipe, a supply fitting composed of electrical insulating material secured to the other end of the pipe and having an opening in alignment with the pipe through which the steel wire may extend, said supply fitting also having a channel for directing liquid to the pipe, a supply pipe connected to the supply fitting and supporting the supply fitting, the copper pipe and the drain fitting in positions out of contact with the container for supplying electrolyte to the copper pipe, electroconductive wire-streaching elements connected to and electrically insulated from the walls of the container for supporting the steel wire in a position centered for creating a difference of potential between the copper pipe and the wire-stretching elements.

2,571,710

MOLDING SAND HANDLING MACHINE

Leo O. Greeley, Cadillac, Mich., assignor to F. J. McCarthy, Inc., Cadillac, Mich., a corporation of Michigan

Application March 17, 1950, Serial No. 150,289
8 Claims. (Cl. 214—2)



5. In a structure as described, a vertical hollow stack having an enlarged laterally extending hood at its lower end open at one side, said open side being adapted to be presented to a quantity of sand, a horizontal shaft rotatably mounted in the lower end of said hood, conveying elements on said shaft for moving sand inwardly toward the center of said hood and below said stack, means for driving said shaft, an endless vertical conveyor located in said stack passing around and driven by said shaft at its lower end, a movably mounted hopper carried by said stack at the upper portion thereof into which sand is delivered by said conveyor, a rotatable winch member mounted on said hood, means for driving said winch member, at a greatly reduced speed of turning, from said shaft driving means, a line connected at one end to said winch member to be wound thereon and adapted to be anchored at its other end at a distance therefrom in the direction of the sand at the open lower side of said hood, yielding means for normally holding said hood in one position and yielding to permit said hood to move to another position on delivery of a predetermined amount of sand thereto, and means interposed between said hopper and the winch member driving means, for rendering said driving means inoperative when the hopper, under the weight of sand delivered thereto, moves away from its initial normal position.

2,571,711

FLUID PUMP

William C. Hackman, Silver Spring, Md.

Application January 23, 1948, Serial No. 3,881
4 Claims. (Cl. 103—110)



1. A fluid pump comprising a stationary casing having a fluid compartment therein provided with an axial fluid inlet opening and an outer fluid delivery exit, and a single rotor supported by the casing having an impeller structure of multiple blade sets within the compartment, all of which are disposed in the same plane normal to the axis of the rotor, each set comprising a plurality of blades eccentrically positioned in the casing with respect to the axis of rotation of the rotor and having relatively shallow fluid-throw with the outer ends of each blade overlapping and radially spaced from the inner ends of the next rear adjacent blade to define liquid passageways, each set of blades being spaced from its adjacent sets of blades by an unobstructed annular passageway, the blades of the sets being so arranged that the discharge end of the liquid passageway between overlapping blades of one set is appreciably in advance of the inlet end of the liquid passageway between blades of the next outermost set of blades.

2,571,712

HERBICIDE SPRAYS

William J. Hanson and John M. Dunham, Long Beach, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application May 4, 1949, Serial No. 91,416
3 Claims. (Cl. 71—2.6)

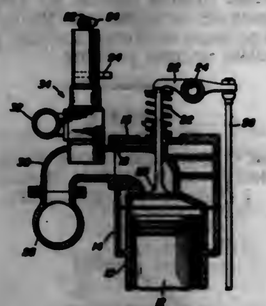
1. An aqueous herbicide spray composition comprising the triethylamine salt of 2,4,5-trichlorophenoxy-acetic acid as a principal toxic ingredient and a water-soluble methyl cellulose in the amount of at least 0.8 per cent by weight of the amine salt present in the composition.

2,571,713

GAS TIMING AND METERING VALVE

Roy P. Hebert, Lafayette, La., assignor of fifteen per cent to Jerome E. Domengeaux, Lafayette, La.

Application December 16, 1949, Serial No. 133,276
3 Claims. (Cl. 123—120)



1. A gas timing and metering valve for internal combustion engines comprising a body having a bore therein, an inlet port in said body communicating with said bore, a valve slidable and rotatable in said bore, a longitudinal groove on the surface of said valve continuously in registry with said port during the entire rotary and sliding movement of said valve, discharge passages in said body communicating with said bore, a delivery groove in said valve, continuously communicating with said longitudinal groove and registrable with said discharge passages during a predetermined portion of the sliding movement of said valve, spring means urging said valve to a closing position interrupting communication of said delivery groove and said discharge passages, means for causing timing reciprocation of said valve.

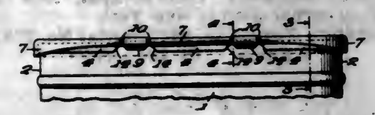
2,571,714

POCKET CONTAINER FOR PIPE TOBACCO

John Hennekert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application April 11, 1949, Serial No. 86,682
1 Claim. (Cl. 220—31)

A metal container comprising a body having flat side walls joined by semi-circular end walls, the upper end portion of the body being turned outwardly and downwardly flat against the body wall, a closure having a central depression fitting within said body and a peripheral flange extending down over the body wall when in closed position, said flange at one of the side walls having an inwardly rolled bead at its lower edge and hinges for connecting said closure to said body, each hinge including a pintle formed from a portion of the bead and the flange cut above the bead, the cut portion of the flange being rolled around the bead to provide the pintle and a slot in the flange, and a hinge strap formed from the



outwardly turned portion of the body wall extending through the slot and around the pintle for connecting the closure to the body so that the axis of the hinge will lie adjacent the upper edge of the body portion.

2,571,715

STRIP MATERIAL

George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 7, 1949, Serial No. 114,333
8 Claims. (Cl. 154—55)



8. A strip structure which renders an elongated strip of flexible material having a tacky surface nonadherent, characterized by a plurality of equally spaced grooves extending longitudinally along the upper surface of the strip whose opposite sides slope toward each other, and a plurality of grooves extending along the said upper surface between the first-mentioned grooves, said second-mentioned grooves having their opposed sides slope away from each other, said arrangement of the grooves forming a plurality of ribs on the said upper surface of the strip projecting at an angle which causes the ribs to be elastically collapsible along the shorter transverse axis of the strip.

2,571,716

REACTION PRODUCT OF PHTHALIC ANHYDRIDE AND A PRIMARY ROSIN AMINE

Frederick G. Hess, Merchantville, N. J., assignor, by mesne assignments, to Cities Service Research and Development Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 12, 1947, Serial No. 791,464
7 Claims. (Cl. 260—100)

1. As a new composition of matter, the amide which is the reaction product of phthalic anhydride and an amine selected from the group consisting of rosinamine, dehydrorosinamine, and dihydrorosinamine, in the proportions of about one mol of phthalic anhydride to from about one to about two mols of the amine.

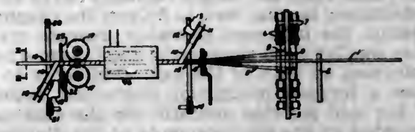
2,571,717

SHAFT FOR FISHING RODS

Arthur M. Howald, Toledo, and Leonard S. Meyer, Newark, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application February 16, 1946, Serial No. 648,187
6 Claims. (Cl. 43—18)

1. The method of producing a resilient tapered shaft for a fishing rod that consists in the steps of coating strands of glass fiber with a hardenable resinous adhesive, placing a plurality of the strands of fibers in longitudinal parallel arrangement with the fibers under tension, placing a rod of core material having substantial strength in compression in the midst of the tensioned



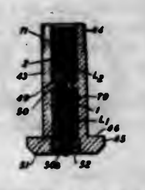
strands, compressing the tensioned strands into a layer on the surface of the core material, eliminating some of the strands along part of the length of the shaft to regulate the ratio of core to fiber and to taper the shaft, and carrying out the hardening of the adhesive.

2,571,718

LOAD-RESPONSIVE DEVICE

Edgar T. Howes, Pasadena, Calif.

Application November 20, 1945, Serial No. 629,850
16 Claims. (Cl. 73—141)



1. A load-responsive device comprising a hollow member a wall of which is subjected to the load, said wall extending in substantially the same direction as the direction of the load, a pair of permeable members fastened within the hollow member, a coil magnetically related to each of said permeable members, one of said permeable members being fastened at its ends to spaced positions of the wall of the hollow member which is subjected to the load, so that it is strained in correspondence with strain of the wall when subjected to the load, the other of said permeable members being fastened so that it is not subjected to strain.

2,571,719

BUTTON FASTENER

Otto J. Huelster, Plymouth, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application March 19, 1949, Serial No. 82,385
3 Claims. (Cl. 24—94)



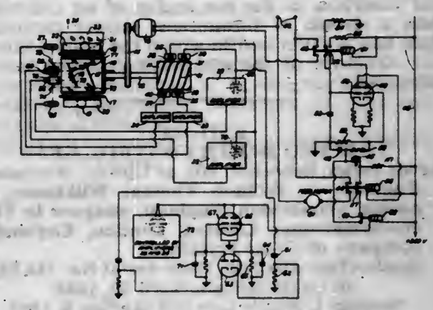
1. A snap fastener installation comprising a support, a snap fastener element disposed on one side of the support, an apertured button disposed on the opposite side of said support, and an attaching plate member having prongs extending in one direction from the periphery of said member and a pair of lugs extending in an opposite direction from the periphery of said member, said member being disposed between said support and said button with said prongs pierced through said support and clinched to said fastener element to hold the latter against one side of said support, and each of said lugs extending through one of said button apertures and bent into another of the apertures to hold said button against the adjacent face of said plate member.

2,571,720

CONTROL ARRANGEMENT FOR FACSIMILE APPARATUS

Clayton E. Hunt, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application September 17, 1949, Serial No. 116,359
6 Claims. (Cl. 178—6.6)



1. In a facsimile apparatus, a transmitter including rotatable scanning means for developing signals in accordance with subject matter to be transmitted, a recorder including rotatable scanning means for marking a recording medium in accordance with signals received from the transmitter, a rotatable shaft common to the rotatable scanning means of the transmitter and the recorder, a scanning motor for driving said shaft, a feed motor for advancing subject matter and a recording medium past the respective rotatable scanning means, a feed motor switch, an electrically operable switch for controlling the energization of the scanning motor, a push-button switch, a holding switch across the push-button switch, a capacitor, a charging circuit connected to the capacitor by the momentary closure of the push-button switch, means for controlling the electrically operable switch including an electric discharge device having a control electrode connected to the capacitor, said electric discharge device being conductive, when the capacitor is charged, to energize the electrically operable switch, a second capacitor adapted to be connected through a resistance to a source of electrical energy upon closure of the electrically operable switch, a second electric discharge device having a control electrode connected to the second capacitor so as to be conducting when the second capacitor becomes charged, a relay energized when the second electric discharge device is conducting for closing the feed motor switch and the holding switch, whereby the feed motor is energized a time interval after the

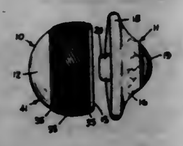
scanner motor is energized determined by the charging rate of the second capacitor, such time interval being at least equal to the time required for the scanning motor to reach a desired speed after being energized.

2,571,721

ARTIFICIAL EYE

Fritz W. Jardon, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application January 30, 1948, Serial No. 5,253
21 Claims. (Cl. 3—13)



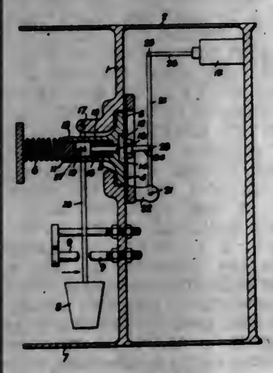
21. An artificial eye embodying a ball portion for insertion in the eye socket of an individual, and a sheath of foraminous nature carried by said ball portion and to which the motive muscular structure of the eye being replaced may be attached.

2,571,722

TORPEDO DEPTH CONTROL GEAR

Lewis Jones, deceased, late of Upwey, Weymouth, England, by William Thomas Wilkinson, executor, Wimbledon, England, assignor to Vickers-Armstrongs Limited, London, England, a company of Great Britain

Application April 26, 1947, Serial No. 744,262
In Great Britain April 10, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 10, 1962
4 Claims. (Cl. 114—25)



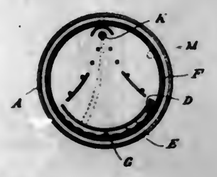
1. Hydrostatically operated torpedo depth control gear comprising on the torpedo a compartment exposed for the free ingress of the ambient water, a flexible diaphragm exposed to the water pressure in said compartment, two concentric abutments with co-planar faces engaging one face of the diaphragm and isolated from the water in said compartment by the diaphragm, spring means urging the abutments in unison against the diaphragm so as to yieldingly oppose the water pressure on the diaphragm, a steering actuator, means controlling said actuator and operated by the displacements of the diaphragm, and load applying means operatively associated with said abutments and controlled by the inclination of the torpedo to effect operative displacement of one of said abutments relative to the other when the torpedo inclines out of its predetermined normal level to deform the diaphragm against the influence of water pressure over an area smaller than the area of diaphragm which is deformed by both of the said abutments to produce a torpedo inclination correcting actuation of the said steering actuator via the said means actuated by the displacements of the diaphragm.

2,571,723

ELECTRON DISCHARGE TUBE

Johannes Lodewijk Hendrik Jonker and Adrianus Johannes Wilhelmus Marie van Overbeek, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application June 1, 1950, Serial No. 165,406
In the Netherlands June 4, 1949
3 Claims. (Cl. 313—89)



1. An electric discharge tube adapted to count a succession of pulses comprising an evacuated envelope and an electron discharge system contained therein and comprising an electron gun for producing a ribbon-like beam of electrons having a given rectangular cross-section, a collector electrode having a plurality of windows therein staggered in the direction of greatest dimension of the cross-section of the beam, the dimensions of each window being smaller than the largest cross-sectional dimension of the beam, a thin light-transparent target electrode on that side of the collector electrode remote from the electron gun, and portions of the target electrode on the side nearest the collector electrode and coincident with the windows of the collector electrode covered with a material which luminesces when bombarded by the electron beam.

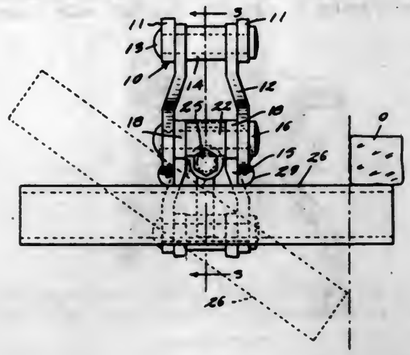
2,571,724

FLIGHT ATTACHMENT FOR CHAIN CONVEYERS

Vaderon E. Keeney, Marcola, Oreg.

Application May 8, 1950, Serial No. 160,804
3 Claims. (Cl. 198—170)

3. A flight and attaching means therefor for interposing in a conveyor chain comprising a flight member, a pair of side link members for pivotal attachment at one end thereof to the chain, a pair of spaced bearing eyes fixed to said link members, a bearing eye fixed to said flight member and engaging between said pair of eyes, a second pair of side link members pivotally secured to the other ends of said first pair of side link members, and an obtusely angled lever carried by each of said second pair of side link members and projecting upwardly and rearwardly for contact with the forward side of said flight member, said obtusely angled levers each forming a cam surface against which said flight may ride.

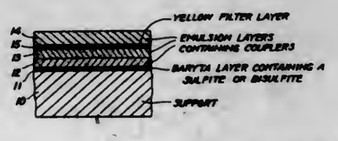


2,571,725

ELIMINATING STAIN IN PHOTOGRAPHIC COLOR MATERIAL

Donald B. Kimball and Wendell H. McDowell, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 15, 1946, Serial No. 690,720
2 Claims. (Cl. 95—8)



1. A photographic element comprising a paper support having thereon at least one silver halide emulsion layer containing a color former capable of reacting with the development product of a primary aromatic amino developing agent to produce a dye image in said emulsion layer, a paper support containing an aldehyde tending to react to produce color fog and a baryta layer between said paper support and said emulsion layer containing an alkali metal sulfite acting to prevent formation of color fog.

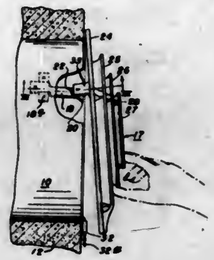
2,571,726

REMOVABLE GRILLE FOR VENTILATING APPARATUS

Gustav H. Koch, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 2, 1949, Serial No. 96,653
12 Claims. (Cl. 98—40)

3. Ventilating apparatus comprising a tubular wall forming an air flow passage, a circular grille extending across said wall at one end thereof, and means for supporting said grille from, and for latching said grille to, said wall, comprising a pair of spaced members extending from said grille at one side of the center thereof into said passage, detents on the inner surfaces of said members spaced from the ends thereof, cantilever springs attached to the inner surface of said wall with their free ends extending towards said grille in alignment with said members and between same and the longitudinal axis of the wall, said free ends of said springs being biased towards said members, and detent engaging means carried by said springs adjacent their free ends, said members being adapted when the opposite side of the grille is swung away from the wall, to move the free ends of the springs away from the detents for disengaging same so as to permit withdrawal of the members from the wall.

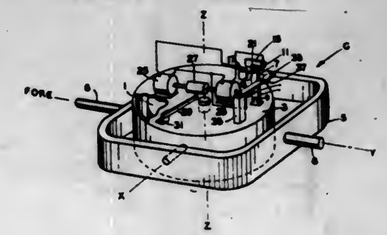


2,571,727

GYROSCOPE

Henry Konet, Hohokus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application December 1, 1949, Serial No. 130,505
9 Claims. (Cl. 74—5.44)



1. In a gyroscope, a rotor, a support rotatably supporting said rotor for spinning about an axis having a predetermined attitude, means for mounting said support for rotation about mutually perpendicular axes at an angle to said spin axis, means for creating an erecting torque on said rotor, a gravity responsive device, means responsive to said device for actuating said torque creating means to precess the gyroscope in a direction to bring the spin axis to said predetermined attitude, and means for periodically moving said gravity responsive device to a position to interrupt actuation of said torque creating means and the erecting torque.

2,571,728

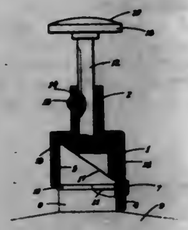
CAN OPENER

William C. Kuykendall, Modesto, Calif.

Application November 26, 1949, Serial No. 129,594
1 Claim. (Cl. 30—16)

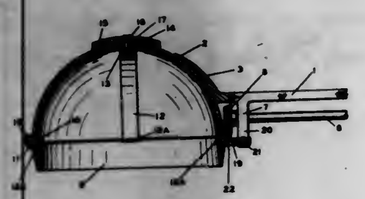
An opener for a can neck of that type having an outwardly projecting rim bead and a metallic closure below the upper edge of the rim; the opener comprising a cylindrical body open at the bottom and adapted to rest on the bead, a skirt shorter than the neck and of substantially semi-

circular extent depending from the body and having an annular bead-receiving groove at its junction with the body, a piston-like cutter normally retracted into the body, an actuating stem for the cutter projecting upwardly from the body to depress the cutter, said cutter being of a di-



ameter to enter the neck adjacent the bead and having a lower cutting edge extending diagonally thereof, and means between the body and stem preventing rotation of the cutter in the body and maintaining the lowest point of the cutter at the back of the skirt centrally between the ends thereof.

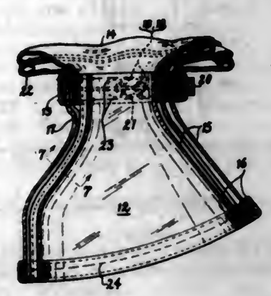
2,571,729
ICE-CREAM DISHER
Bert F. Lawrence and Emma Ethel Lawrence, Portland, Oreg.
Application July 15, 1949, Serial No. 104,948
3 Claims. (Cl. 107—48)



1. An ice cream spoon comprising a handle and a bowl, a rotative knife at the edge of the bowl, the knife having a flat surface to engage the edge of the bowl, a flange extending from the flat surface and surrounding the outer free end of the bowl, the flange having gear teeth on its edge, scrapers extending from the knife into the bowl and engaging the surface of the latter, means for pivotally mounting the scrapers at the center of the bowl, a gear wheel engaging the gear teeth on the flange, means supported by the handle and in engagement with the flange directly opposite the gear wheel to retain the gear teeth on the flange in mesh with the gear wheel, and means for rotating the gear wheel.

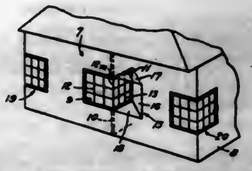
2,571,730
SPLASH GUARD
Beulah Mae Lewis, Wilkinsburg, Pa.
Application May 23, 1950, Serial No. 163,690
1 Claim. (Cl. 36—2)

Splash guard from relatively thin, flexible sheet material comprising a tie-portion formed by an elongated strip, attachment means carried thereon releasably holding said tie-portion in annular shape, an outwardly flaring collar-portion permanently fixed to said tie-portion substantially along its whole length forming a radial shield extending at least 360° therearound, a spat-portion having a straight line top side along



which it is fixed to said tie-portion from which it is depending and downwardly diverging sides defining increasing lengths of said spat-portion that is provided with an outwardly bulging rear central region.

2,571,731
WINDOW CONSTRUCTION
David G. Lewis, East Palo Alto, Calif.
Application October 12, 1945, Serial No. 621,909
5 Claims. (Cl. 20—40)

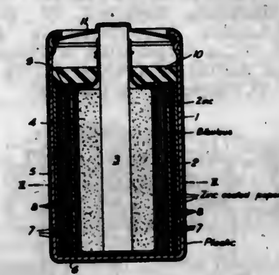


1. In a building structure, vertically-disposed outer enclosing walls for said structure, at least one of said outer walls being interrupted intermediate its length to provide an opening therein, opposed vertically-disposed inner walls abutting said outer wall upon opposite sides of the opening and extending inwardly of the structure and united to define a relatively small enclosure, one of said inner walls forming a partition for dividing the structure into adjacent rooms with said enclosure therebetween, window constructions in the outer wall and in one of the inner walls located in relatively closely-spaced lateral relation with the window construction in the inner wall facing a windowless portion of the opposed companion inner wall.

2,571,732
PRIMARY ELECTRIC CELL
Richard Walter Lewis and Alfred Linton, Hawkhill, Dundee, Scotland, assignors to Burndept Limited, London, England, a company of Great Britain
Application May 28, 1948, Serial No. 29,887
6 Claims. (Cl. 136—107)

1. A primary electric cell comprising a zinc can forming both the container of the cell and a part of its negative electrode, a positive electrode surrounded by a conductive bobbin of mercuric oxide

supported out of contact with said container, and a roll of zinc-coated bibulous sheet material filling



the space between the dolly and the can, its coating being in conductive connection with the can.

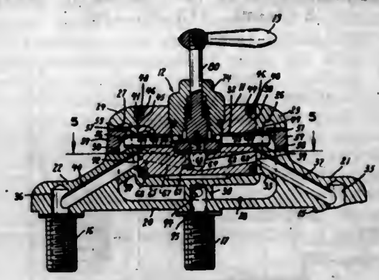
2,571,733
PIVOT BEARING FOR WINDOWS
Sigfrid Emanuel Lidin, Tranebergs, Sweden, assignor to Aktiebolaget Atvidabergs Industrier, Atvidaberg, Sweden, a joint-stock company of Sweden
Application February 17, 1948, Serial No. 8,912
In Sweden June 6, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 6, 1965
7 Claims. (Cl. 16—142)



1. A pivot bearing for windows comprising in combination a first bearing member, two pins secured to said first bearing member, a second bearing member having an arcuate channel for receiving said pins, a bridge member connecting the edges of said channel and a U-shaped spring disposed in said channel between said pins, said spring having flat outer surfaces resiliently engaging the bottom surfaces of said channel and bridge member to provide a braking effect between the two members.

2,571,734
TEMPERATURE REGULATING AND CONTROL VALVE
Tryon S. Lindabury, Overland, Mo.
Application June 26, 1948, Serial No. 35,484
7 Claims. (Cl. 277—8)

1. In a valve assembly, a body having distinct fluid inlet passages and outlet passage means communicating with a point of discharge from the body, a member carried by said body and operatively positioned and formed to provide distinct fluid conduits connecting one with each of said body inlet passages and conduit means connecting with said body outlet passage means, said member providing a chamber into which each of said distinct conduits open and from which said conduit means leads, and valve means operatively mounted in said chamber, said valve means in-



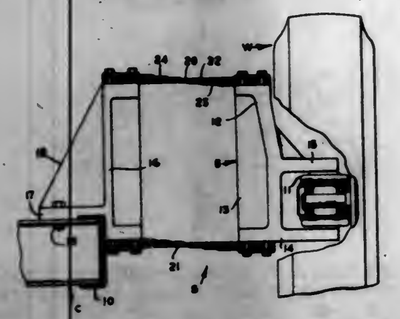
cluding a first valve element positioned to control the intermixing of fluid flowing into said chamber from said distinct conduits, and a second valve element adapted to regulate the flow of fluid from said chamber to said conduit means.

2,571,735
FUSE CONSTRUCTION
Sigurd I. Lindell, Chicago, Ill., assignor to S & C Electric Company, a corporation of Delaware
Application January 2, 1947, Serial No. 719,849
12 Claims. (Cl. 200—120)



11. In combination in a circuit interrupter having a body of arc extinguishing material in which there is a longitudinally extending bore, a pair of arcing terminals, one of which is tubular and movable through said bore, driving means acting on said tubular terminal for separating it from the other terminal and forming an arc space therebetween, a fusible tension element extending through said tubular terminal and providing a connection between the other terminal and said driving means for restraining said driving means, means constituting a source of fluid arc extinguishing medium in communication with the opening through said tubular terminal at a point remote from its arcing end at least during a portion of its movement through said bore, and means for releasing said fluid arc extinguishing medium to flow through said opening following rupture of said fusible tension element.

2,571,736
AUTOMOBILE SPRING SUSPENSION
Kenneth E. Lyman, Lake Forest, Ill., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware
Application April 19, 1947, Serial No. 742,584
2 Claims. (Cl. 267—19)

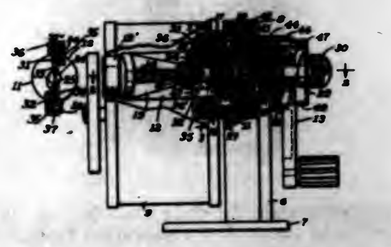


1. In an automobile including a chassis and a wheel having a bearing block, a parallelogram suspension for suspending said chassis from said wheel, said suspension comprising a vertically arranged bracket carried by said block, said bracket being connected adjacent its lower end to the block and having a substantial extension thereabove, a bracket of corresponding dimensions connected at its lower end to said chassis and having a substantial extension there-above, and horizontal spring arms joining the corresponding ends of said brackets, each of said spring arms consisting of a leaf spring assembly with its weakest point at the center.

2,571,737
METHOD OF SULFURIZING TERPENE HYDROCARBONS
Allan Mauteuffel, Union, and William D. Gilson, Evanston, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application August 18, 1949, Serial No. 111,084
11 Claims. (Cl. 260—139)

1. The method of sulfurizing monocyclic and dicyclic terpene hydrocarbons having at least one unsaturation comprising, reacting a sulfide of phosphorus and sulfur with a material from the group consisting of monocyclic and dicyclic terpene hydrocarbons having at least one unsaturation, and mixtures thereof with fatty oils and waxes containing unsaturations and functional groups reactable with phosphorus sulfides, and conducting said reaction at a temperature of about 200° to 230° F. and approaching said reaction temperature by heating the reaction mixture slowly at a rate not exceeding about 2° to 3° F. per minute, thereby inducing a first exothermic reaction, permitting the said first exothermic reaction to raise the temperature of the reaction mixture to about 270° F., adding sulfur upon the substantial completion of said first exothermic reaction and thereby inducing a second exothermic reaction, permitting said second exothermic reaction to raise the temperature to about 300° F., subsequently gradually raising the temperature from about 300° to about 320° F., and maintaining the reaction in that range until good copper strip corrosion is obtained, when a test sample thereof is subjected to the copper strip test for one minute at 300° F.

2,571,738
PENCIL SHARPENER
Edwin J. Markvart, Rockford, Ill., assignor to Spengler-Loomis Manufacturing Company, Rockford, Ill., a corporation of Illinois
Application August 18, 1949, Serial No. 111,025
19 Claims. (Cl. 120—86)



1. A pencil sharpener comprising a support, a head rotatably mounted on said support, a pair of diametrically opposed substantially cylindrical milling cutters carried by said head with their cutting faces in converging relationship to form a tapered space between said cutters, said cutters being of sufficient length and disposed close enough together to be capable of performing substantially the whole sharpening operation on an elongated pencil, a rectangular blade movable on said head endwise toward and between the converging ends of said cutters and having in its inner end portion a V-shaped cutting edge for tapering only the extreme tip portion of the pencil lead, the endwise adjustment of said blade relative to said cutters predetermining the length of the lead protruding from the pencil when sharpened, guides slidably supporting the opposed longitudinal edge portions of said blade both inwardly and outwardly relative to the converging ends of said cutters whereby positively to prevent rubbing contact of said blade with either of said cutters and also insure accurate location of the apex of the V-shaped cutting edge always on the axis of rotation of said head and disposition of the blade in a plane coincident with said axis in all positions of endwise adjustment of said blade, means for turning said head to operate said cutters, and means for adjusting said blade.

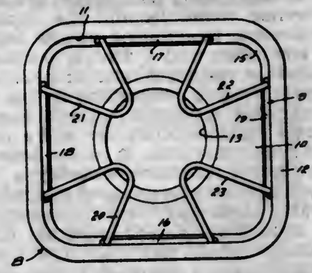
2,571,739
PREVENTION OF CORROSION OF STRUCTURAL METALS BY HYDROGEN SULFIDE, AIR, AND WATER
Glenn A. Marsh, Crystal Lake, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application October 28, 1949, Serial No. 124,240
8 Claims. (Cl. 21—2.5)

1. A method of inhibiting the corrosion of metals comprising adding a small proportion of a partially water soluble, low molecular weight alpha, beta-unsaturated aldehyde to a confined, metal-corrosive medium consisting essentially of hydrogen sulfide, air and water.

2,571,740
PREPARATION OF AROMATIC DISULFIDES
Harry W. Marson, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 11, 1949, Serial No. 98,633
8 Claims. (Cl. 260—608)

1. A method of preparing bis(meta-nitrophenyl) disulfide which comprises mixing together and allowing to react a member of the group consisting of iodine, an alkali metal iodide and hydriodic acid and meta-nitrobenzenesulfonyl chloride, in the presence of water and an inert organic solvent containing a reducing agent selected from the class consisting of sulfur dioxide, alkali metal and ammonium sulfites, bisulfites and metabisulfites.

2,571,741
BURNER GRATE
Charles M. Mayer, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application December 2, 1949, Serial No. 130,706
2 Claims. (Cl. 126—214)



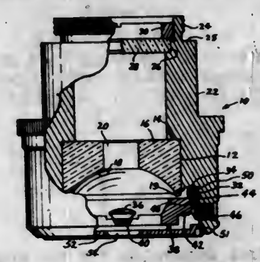
1. A burner grate formed from a single piece of spring wire and comprising a first pair of spaced parallel elongated straight bearing sections, a second pair of spaced parallel elongated straight bearing sections disposed at right angles to said first pair of bearing sections and in the same plane therewith, a plurality of substantially radially extending V-shaped utensil-supporting fingers disposed in a plane a fixed distance above said first mentioned plane, and a plurality of upwardly extending links connecting the ends of said sections directly to the ends of said V-shaped supporting fingers.

2,571,742
3-CHLOROTHIANAPHTHENE
Ruah F. McCleary, Beacon, and John A. Patterson, Newburgh, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 12, 1948, Serial No. 26,706
2 Claims. (Cl. 260—330.5)

1. A continuous process for preparing 3-chlorothianaphthene which comprises introducing liquid thianaphthene and chlorine at a mol ratio of thianaphthene to chlorine of about 1.75 into contact with one another in a reaction zone at a space velocity of about 1.0 weights of thianaphthene per hour per unit volume of reactor space, and continuously withdrawing the resulting liquid 3-chlorothianaphthene from the reaction zone.

2,571,743
REFLECTING IMAGE-FORMING OPTICAL SYSTEM FOR INSTRUMENTS
Edgar J. Meyer, Buffalo, N. Y., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 20, 1950, Serial No. 163,244
4 Claims. (Cl. 88—57)

1. An assembly for housing and positioning reflecting optical elements in an optical system, said assembly comprising a hollow casing having an accurately formed cylindrical surface therein, an annular surface adjacent and so angularly disposed relative to said cylindrical surface as to define therewith an annular recess within said casing, a relatively large concave reflector positioned in said recess in engagement with said surfaces, said reflector having a concaved reflecting surface establishing an optical axis which is substantially coincident with the axis of said cylindrical surface, said casing having hollow portions extending axially in opposite directions from said cylindrical portion and said concave reflector, the hollow portion lying on the side of said reflector away from said concaved surface having screw threads substantially concentric with the optical axis of said concave reflector for attachment to suitable external means for supporting said assembly, the other of said hollow



portions having a second annular surface formed therein of greater transverse dimensions than the diameter of said cylindrical surface, an abutment surface angularly disposed relative to said second annular surface and defining therewith a second annular recess, a relatively small convex reflector in said casing and facing the reflecting surface of said concave reflector, positioning means for supporting said convex reflector in predetermined spaced relation to said concave reflector, said positioning means being received in said second recess and including apertured frame means, and readily adjustable means carried by said casing and engageable with said frame means for laterally shifting and centering said frame means and said convex reflector relative to said optical axis and for retaining said positioning means in engagement with said abutment surface.

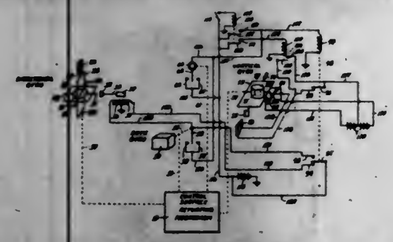
2,571,744
COMBINED CONTAINER AND TOY
Stephen P. Midouhas, Bristol, Pa.
Application March 9, 1950, Serial No. 148,530
6 Claims. (Cl. 46—11)



1. An article of the character described adapted to simulate a ventriloquist dummy, comprising a container having plural side walls, some of said side walls having indicia imprinted thereon representative of the upper half of a face, other of said side walls having indicia imprinted thereon representative of the lower half of a face, guide indicia imprinted on the remaining side walls,

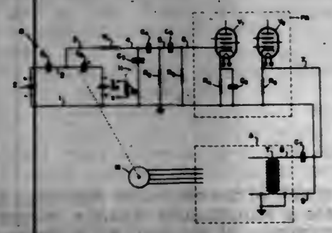
means for aligning the side walls having the upper half of a face thereon with the side walls having the lower half of a face thereon to produce a complete face, the lower lip being adjacent the upper lip relative to the respective side walls, and said latter side walls arranged to be manually moved away from the adjacent relationship and returned thereto.

2,571,745
CONTROL APPARATUS FOR AIRCRAFT
Thomas A. Moses, Jr., Edina, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 28, 1947, Serial No. 764,233
17 Claims. (Cl. 244—77)



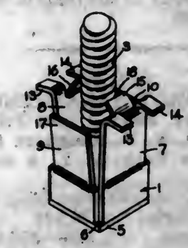
1. In control apparatus for an aircraft provided with control surface actuating mechanism; a directional gyro, caging and uncaging mechanism for said directional gyro, a vertical flight gyro, erecting means for said vertical flight gyro to maintain the gyro erect about one axis, a manual turn control member, additional means energized by operation of said turn control member for operating the caging mechanism of said directional gyro, and for rendering ineffective said erecting mechanism, control means operated by said turn control member for initiating a change in heading of said aircraft through said control surface actuating mechanism, means responsive to the resultant change in heading of the aircraft to maintain said additional means energized, said additional means being effective upon cessation of change in heading of said aircraft for uncaging said directional gyroscope and for rendering said erecting means effective.

2,571,746
CONVERSION APPARATUS
James C. Meunzen, Chevy Chase, Md., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 6, 1950, Serial No. 160,469
9 Claims. (Cl. 318—28)



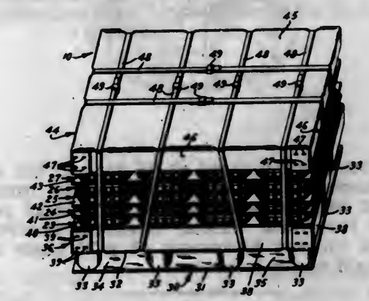
1. In apparatus for measuring a minute unidirectional voltage developed across a variable voltage source having relatively high internal impedance, the combination of first and second measuring terminals adapted for connection to the respective terminals of opposite polarity of the relatively high impedance source of minute unidirectional voltage to be measured, a source of substantially constant unidirectional voltage having first and second reference terminals of opposite polarity, said first measuring terminal and said first reference terminal being of opposite polarity, circuit means connecting together said first measuring and reference terminals at a first junction, first and second condensers connected in series between said second measuring and reference terminals, said condensers being connected at a second junction, whereby a potential difference is adapted to appear between said first and second junctions having a magnitude dependent upon the magnitudes of the voltages between said measuring terminals and said reference terminals and the capacities of said condensers, modulating means including a variable condenser and a driving portion operative to produce regularly recurring variations of approximately equal magnitude in the capacity of said variable condenser, circuit means connecting said variable condenser and a resistor of relatively high resistance in series between said first and second junctions, whereby a regularly varying voltage signal is adapted to appear across said variable condenser having a magnitude dependent upon that of said potential difference, and responsive means connected across said variable condenser and responsive to the magnitude of said signal and hence to the magnitude of said potential difference.

2,571,747
BOLT FASTENER
Howard J. Murphy, Lyanfield, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 10, 1948, Serial No. 64,001
1 Claim. (Cl. 151—33)



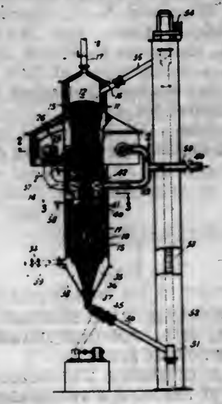
A fastener for mounting in an apertured support comprising an open ended non-circular sleeve member having a non-circular stud bolt head-receiving portion extending inwardly from one end thereof and adapted to receive a non-circular portion of a flanged head of a stud with the flange thereof in engagement with the end of the sleeve member and the shank thereof extending through said sleeve member, a pair of opposed side portions extending longitudinally from said stud head-receiving portion, said side portions having adjacent the ends thereof outwardly extending support-engaging tongues for engaging one surface of a support on opposite sides of a support aperture therein and inwardly extending stud-engaging tongues for engaging the shank of a stud to hold it in assembled relation with the sleeve member, and a second pair of opposed longitudinally extending side portions intermediate said first named side portions and having their terminal ends spaced longitudinally toward said head portion from said outwardly extending support-engaging tongues an amount slightly greater than the support thickness, said second pair of opposed side portions being laterally resilient and inclined outwardly so that the terminal ends thereof are disposed beyond the edges of a support aperture for engagement with a surface of a support opposite to that engaged by said outwardly extending support-engaging tongues.

2,571,748
SPROCKET CHAIN PACKAGE
Ernest W. Newman, Newtown, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn., a corporation of Connecticut
Application May 14, 1949, Serial No. 93,320
10 Claims. (Cl. 206—65)



6. A shipping package comprising two layers of coils of sprocket chain, a separator between said layers, said separator of compressible material, said coils having the edges of their links adjacent said separator digging into the same whereby the separator retains the coils against edgewise relative movement, and binding means squeezing the coils of the layers toward one another and against opposite sides of said separator.

2,571,749
FLUID HEATING
Charles L. Norton, Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application July 4, 1944, Serial No. 543,442
12 Claims. (Cl. 263—19)



1. Heating apparatus comprising walls defining a vertically elongated chamber having a heating gas outlet and an inlet for solid material at its upper end and a solid material outlet at its lower end, means for moving a fluent mass of incombustible solid material downwardly through said chamber to said solid material outlet, and means for heating said solid material while in the upper part of said chamber including means for supplying a combustion constituent directly to said chamber at a point intermediate the height thereof, and means for supplying a complementary fluid combustion constituent to said chamber at a point substantially below the point of admission of the first combustion constituent and in a position to flow upwardly therein to the point of admission of the first combustion constituent in heat absorbing relation with the descending solid material.

2,571,750
CHILD'S VEHICLE
William F. O'Halloran, Greensburg, Pa.
Application October 21, 1948, Serial No. 55,713
3 Claims. (Cl. 280—87.01)

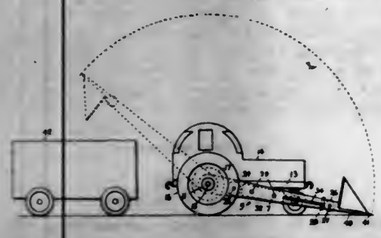


1. In a child's vehicle, in combination, a seat board provided adjacent its front and rear ends with spaced holes, a steering post provided at its lower end with a portion of reduced diameter forming a shoulder and having said reduced portion rotatably mounted in and projecting downwardly through one of the holes in said seat board and said shoulder resting on the top of the board, a front bolster secured to the lower end of said steering post to be turned thereby, a rear bolster rotatably secured to said seat board by means of a member journaled in the other hole in said seat board, front and rear wheels rotatably attached to said front and rear bolsters, a recess formed in the inner face of the front bolster adjacent one end thereof, a recess formed in the inner face of the rear bolster adjacent the end opposite to the end in which the recess is formed in said front bolster, and a link pivotally attached at its opposite ends to said bolsters within said recesses so that turning movement of one bolster produces substantially equal and opposite rotation of the other bolster and the front and rear wheels are caused to substantially track in any position of the bolsters.

2,571,751
LOADING AND UNLOADING ATTACHMENT FOR AUTOMOTIVE VEHICLES
Wasyl A. Orlowsky, New York, N. Y.
Application December 17, 1946, Serial No. 716,788
6 Claims. (Cl. 214—131)

1. A loading attachment for an automotive vehicle having wheels and a chassis frame, comprising in combination therewith, projections at the sides of the frame; a pulley rigidly mounted on each projection; an arm rotatively mounted at its inner end on each projection; a reversible

motor mounted on each arm adapted to be controlled from the driver's seat on the vehicle; a cross member adapted to handle materials mounted on the outer ends of the arms; and an operative connection between each motor and the peripheral portion of the pulley comprising two cables having the inner ends thereof secured to the pulley and the outer ends thereof secured to the reversible motor for producing a tangential



pull on the pulley when the motors are energized for movement in one or the other direction, thereby causing the arms with the cross member to rotate on the projections in one or the other direction, the arms being sufficiently long to move the cross member from the position in front of one end of the vehicle to the position in front of the other end of the vehicle.

2,571,752

SEPARATION OF OIL FROM WAX

Walter V. Overbaugh, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application May 28, 1948, Serial No. 29,949
7 Claims. (Cl. 196—20)

1. In the separation of oil from a feed mixture of relatively low viscosity oil and wax by crystallization of wax, and filtration in the presence of a solvent liquid, said feed mixture being of such character that a wax cake comprising wax crystals of voluminous character and of relatively high oil content normally is formed, the improvement which comprises effecting said crystallization in the presence of a minor proportion of added and substantially wax-free lubricating oil of relatively more viscous character than the oil present in said feed mixture and effective to reduce wax crystal size such that said wax cake is of relatively lower oil content than that obtained by crystallization in the absence of said added oil.

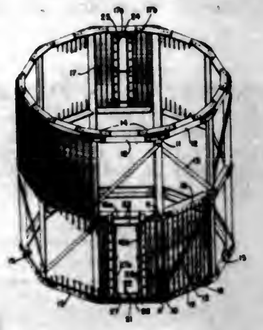
2,571,753

STORAGE CRIB

Esther K. Pennington, Oak Park, Ill.

Application October 6, 1945, Serial No. 620,747
1 Claim. (Cl. 189—3)

In a portable storage crib, a knock-down detachable framework adapted to have a sheet of flexible material fastened therearound, said framework comprising a plurality of spaced vertical members, a plurality of straight angle irons disposed transversely between each of said vertical members at both ends of the latter, said angle irons extending angularly from each other and having their horizontal faces extending inwardly to form upper and lower horizontal polygonal edges, strap means connecting the vertical faces of said irons at each end thereof to said vertical members, and a plurality of chordal tie plates disposed in a horizontal plane at the top and bottom of the framework, each of said tie plates having its innermost horizontal face extending across and parallel to an end edge of one of said vertical members and each of said



tie plates being secured at its ends to the adjacent horizontal faces of said angle irons in chordal relation with the latter and at points spaced from said vertical members whereby to prevent hinging movement of said angle irons about said vertical members.

2,571,754

PROCESS OF PROLONGING THE LIFE OF A STORAGE BATTERY

Fred Perkins, York, Pa.

No Drawing. Application July 17, 1950, Serial No. 174,376
4 Claims. (Cl. 136—165)

1. The process of treating a lead-acid storage type cell—comprising first discharging it at a reasonable rate to about 1125 gravity, immediately thereafter short-circuiting the cell in order to further discharge same until it is in a substantially completely discharged condition, and thereafter recharging the cell.

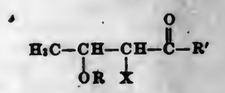
2,571,755

PREPARATION OF THREONINE AND INTERMEDIATES THEREFOR

Karl Pfister, III, Westfield, N. J., Charles A. Robinson, Cambridge, Mass., and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 9, 1948, Serial No. 64,424
21 Claims. (Cl. 260—294)

1. A compound having the structure of



R is alkyl, X is halogen, R' is selected from the class consisting of NH_2, NH-aryl, $N(alkyl)_2$ and secondary N-heterocyclic groups.

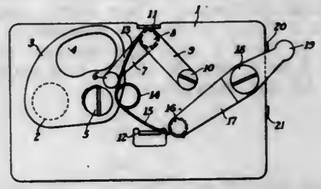
6. The process of preparing DL-threonine comprising the steps of reacting a racemate containing dl-α-halo-β-alkoxy-n-butyric acid which normally yields DL-allothreonine on amination and hydrolysis, with a halogenating agent in an organic solvent medium to form dl-α-halo-β-alkoxy-n-butyric acid halide, reacting the latter mixture with a compound selected from the group consisting of ammonia, primary and secondary amines, recovering the corresponding dl-α-halo-β-alkoxy-n-butyric acid amido compound thus formed, aminating the latter compound with a liquid selected from the group consisting of liquid ammonia and a mixture of ammonia and a lower aliphatic alcohol, concentrating the reaction mixture to dryness, hydrolyzing the residue and recovering DL-threonine.

2,571,756

TOGGLE DRIVEN PHOTOGRAPHIC SHUTTER

Clarence W. Pribus, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 10, 1949, Serial No. 98,313
4 Claims. (Cl. 95—59)



1. A shutter comprising an apertured support, a slotted shutter blade pivotally mounted on the support and overlying the aperture, the slot being adapted to permit light to enter the aperture to make an exposure, a shutter trigger mounted on the support, a pivot for the trigger spaced from the shutter blade pivot and the periphery of the shutter blade, a toggle comprising a pair of levers pivoted together, one lever being pivotally mounted on the support beyond the shutter blade and between the pivotal supports of the shutter blade and the trigger, said trigger being adapted to swing over the toggle pivot on the support when the trigger is moved, a pivot carried by the shutter blade and located radially from the pivotal support of the shutter blade a distance to permit the toggle levers to straighten out as an exposure is made, said toggle levers having a rest position in which the levers lie at an angle to each other when the shutter blade covers the aperture, a spring connecting the trigger and a stud carried by a toggle lever spaced from the pivotal support for the toggle on the support whereby movement of the trigger over the toggle lever pivot and past the spring-carrying stud on the toggle lever carried by the support may tension and release the spring causing the toggle levers to move from a rest position to an exposure-making position in which the toggle levers are straightened out to a rest position in which the toggle levers lie at an angle to each other and in which the aperture in the support is closed by the shutter.

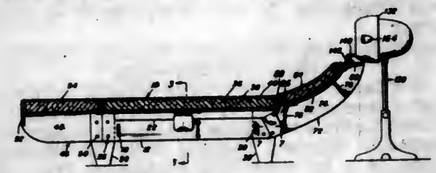
2,571,757

EXERCISING HEALTH DEVICE

Vestus E. Pruitt, Sr., Hobbs, N. Mex.

Application September 23, 1948, Serial No. 50,783
2 Claims. (Cl. 128—33)

1. An exercising apparatus comprising a frame, a mattress cushion horizontally supported on the frame, a motor carried by the frame and extending under the mattress cushion, an eccentric operatively carried by said motor, means adjustably secured to the eccentric for engaging and selectively raising and lowering the mattress cushion off and on to the frame, a relatively rigid extension on one end of said frame, a cushioned member retained in said extension, and means for selectively adjusting the extension in



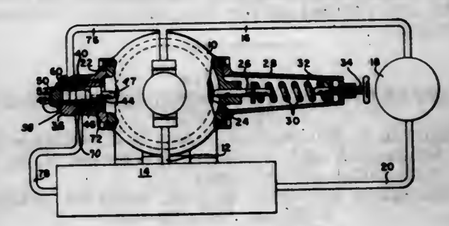
a horizontal and raised position, said last mentioned means including adjustable brackets connected between said frame and said extension, and means for locking said extension in a desired position relative to said frame.

2,571,758

FLUID OPERABLE DEVICE

Howard M. Purcell, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware

Application March 23, 1946, Serial No. 656,613
4 Claims. (Cl. 103—38)



1. In a variable delivery hydraulic pump having a pressure outlet; a flow control member movable within said pump between neutral and full delivery positions; yieldable means engaging said flow control member and constantly urging the latter to its full delivery position; a casing connected with said pump and provided internally with a pair of adjoining chambers of different diameters, and having a first port communicating with one of said pair of chambers and a second port communicating with the other of said chambers; a piston member slidably carried in said casing and having an end portion thereof engaged with said flow-controlling member, an intermediate portion closely fitting the walls of one of the chambers of said casing and a relatively reduced diameter opposite end portion extending within the other chamber of said casing, the said opposite end portion of said piston member having a diameter closely approximating the diameter of said other chamber of said casing, said piston member being movable in said casing in response to the introduction of fluid pressure within either of the chambers of said casing to a position simultaneously establishing communication between said chambers and shifting said flow control member to its neutral position; a first conduit directly connecting the first port of said casing with the pressure outlet of said pump for supplying pressure fluid to one of the chambers of said casing; and a second conduit connected with the second port of said casing for exhausting fluid from the other chamber of said casing.

2,571,759

CONTINUOUS PROCESS FOR POLYMERIZING ALIPHATIC ALDEHYDES

Martin F. Quinn and Bernard K. Bright, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 13, 1948, Serial No. 54,274
2 Claims. (Cl. 260—340)

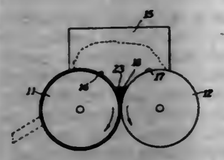
1. A substantially continuous process for polymerizing acetaldehyde to paraldehyde comprising introducing acetaldehyde near the bottom of a vertically disposed column while an aqueous solution of a mineral acid containing from 20 to 60% by volume of the mineral acid is introduced near the top portion of said column, passing the acetaldehyde upwardly through the said column countercurrently to the downward flow of the aqueous solution of the mineral acid, regulating the rate of feed of the acetaldehyde and the aqueous solution of the mineral acid and cooling the said reaction vessel to maintain the temperature of the contents of the said column at from 20° to 60° C. during the polymerization, withdrawing a portion of the reaction mixture containing paraldehyde from the top of said vertically disposed column, separating water by gravity from the withdrawn reaction mixture containing paraldehyde, and maintaining the acid concentration substantially constant throughout the reaction by returning the separated water to the top portion of the said vertically disposed column.

2,571,760

APPARATUS FOR FORMING COLLOIDIZED PLASTICS

Kenneth C. Rathbun, Clemson, S. C., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 30, 1947, Serial No. 794,584
2 Claims. (Cl. 18—2)



2. An apparatus comprising a pair of parallel positioned rolls, material retaining members positioned adjacent the respective ends of the rolls at right angles to the major axes thereof, each of said members having arcuate sections fitted closely to the respective upper peripheral surfaces of the rolls to retain material being worked on the rolls to the space between the retaining members, a regulating member positioned above the rolls and intermediate said retaining members, and positioned at right angles to the major axes of the rolls thereby separating the surface of the rolls into two zones, and also having arcuate sections fitted closely to the respective upper peripheral surfaces of the rolls and having a portion adjacent the convergence of the rolls but spaced therefrom to provide a control slot through which a portion of plastic material added to the rolls at one side of the regulating member may flow axially along the convergence of the rolls to the opposite side, said rolls only being capable of rotating to draw the material downwardly through the bight of the rolls, the zone where material is added being of less axial extent than the other zone.

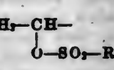
2,571,761

METHOD OF REACTING TERTIARY AMINES WITH POLYVINYL ESTERS AND PRODUCTS OBTAINED THEREBY

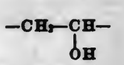
Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 14, 1949, Serial No. 87,577
19 Claims. (Cl. 260—79.3)

1. A process for preparing a sulfonated resin comprising heating in the substantial absence of a hydrogen halide a polyvinyl ester containing groups represented by the formula:



wherein R represents a member selected from the group consisting of an alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4 and an aryl group containing 6 to 10 carbon atoms, and groups represented by the formula:



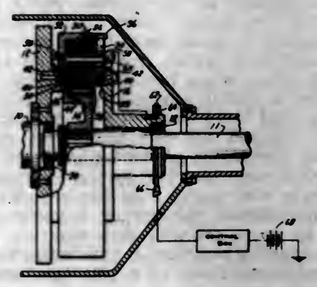
said groups being present in a mol ratio of from 1 to 6 polyvinyl ester groups to each polyvinyl alcohol group, with a tertiary amine of the pyridine series.

2,571,762

MAGNETIC CLUTCH

Stanley Robert Rich, Newton Center, Mass., and Karl D. Kysor, Birmingham, Mich., assignors to Kysor-Rich Corporation, Detroit, Mich., a corporation of Michigan

Application January 22, 1949, Serial No. 72,142
5 Claims. (Cl. 172—284)



1. A magnetic clutch for interposition between a drive shaft and a driven shaft comprising, means fixed to one of said shafts and forming a plurality of peripherally spaced similar magnetic poles, a facing body of permanent magnet material having a peripheral continuity at least sufficient to overlap an adjacent pair of said poles fixed to the other of said shafts, means facing the opposite side of said body forming opposite poles to said first means and completing magnetic circuit originating in the poles of said first means, said last named poles being staggered with relation to said first poles, and means to energize said poles.

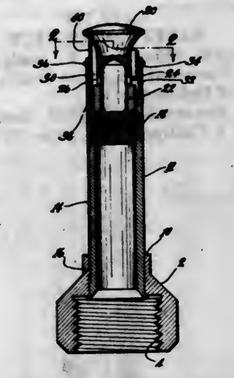
2,571,763

SPRINKLER HEAD MODIFICATION

Jesse J. Robbins, Glendale, Calif., assignor to Stylofede Corporation, Glendale, Calif., a corporation of California

Application September 20, 1946, Serial No. 698,145
1 Claim. (Cl. 299—18)

A sprinkler device comprising, a tube formed with an internal annular shoulder in spaced re-



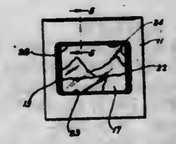
lation to an end thereof and having an internally threaded portion extending interiorly of said shoulder, a sleeve slidably mounted within said tube end and supported at one end on said shoulder with its outer end projecting from said tube end, and a plug member having a disc-shaped head engaged on its under side with said outer sleeve end, said plug member having a hollow shank portion extending from said head and terminating in an enlarged threaded end threadably engaged with said threaded tube portion thereby clamping the opposite ends of said sleeve between said head and said shoulder, said shank being spaced from said sleeve to define an annular discharge passage therebetween and being provided with openings communicating said chamber with said tube interiorly of the last named end of said plug member, said outer sleeve end being cut away to provide a discharge opening at said under side of said head and at one side only of said sleeve.

2,571,764

LANTERN SLIDE MOUNT

Louis S. Rodger and Colquitt H. Chapman, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 15, 1946, Serial No. 710,206
3 Claims. (Cl. 40—158)



1. In a lantern slide mount, the combination with a pair of overlying members formed with registering projecting apertures and adapted to receive an image-bearing transparency therebetween of a thin metallic sheet insert larger than said apertures and positioned between said transparency and one of said members, said insert having an opening in optical alignment with but slightly smaller than said apertures so that the edges of said opening will provide a clean-cut frame for the image portion of said transparency, said insert having the portions beyond said apertures formed with perforations extending therethrough, and adhesive means on one of said members extending through said perforations and contacting the other members to connect said members adhesively to retain the mount parts in assembled relation.

2,571,765

ROASTED CHEESE PRODUCTS AND PROCESS FOR MAKING THE SAME

Josephus Joannes Ruys, Woerden, Netherlands, assignor to Eru-Kaasfabriek N. V., Woerden, Netherlands

No Drawing. Application March 19, 1948, Serial No. 15,972. In the Netherlands March 19, 1947
8 Claims. (Cl. 99—117)

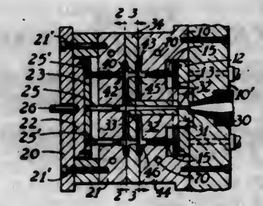
1. Roasted cheese in the form of small, thin, brittle, crisp and porous shaped structures having a water content of less than 15 per cent.

2,571,766

INJECTION MOLDING APPARATUS

Theodore Saulino, Newark, N. J.

Application August 8, 1949, Serial No. 109,110
7 Claims. (Cl. 18—30)



1. Apparatus for injecting molding including a stationary platen having a plurality of cavity molds, a movable platen having a plurality of cavity molds, a movable intermediate plate cooperating with both of said platens, ejector means carried by each of said platens, means for moving said movable platen and other means for moving said ejector means when said movable platen and said intermediate plate are moved away from said stationary platen and from each other for ejecting molded articles, said stationary platen having a passageway extending therethrough and said plate having passageways extending therethrough connected with said passageway of said stationary platen and with said molds for directing plastic material into said molds.

2,571,767

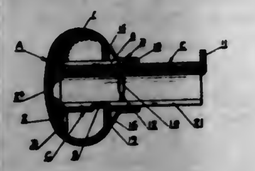
DOORKNOB STRUCTURE

Walter R. Schlage, deceased, late of Burlingame, Calif., by Anna Schlage, executrix, Burlingame, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California

Application December 14, 1946, Serial No. 716,307
10 Claims. (Cl. 292—347)

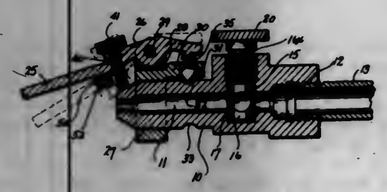
7. A door knob structure comprising a hollow shell closed at one end and open at the opposite end, a tubular shank extending through the open end of the shell and engaging the closed end of the shell, means securing the closed end of the

shell to one end of the shank both against rotation and endwise movement with relation to the shank, a knob section telescoping over the opposite end of the shank, an annular flange on said knob section extending into and closing the open end of the shell, a reenforcing washer secured in the knob section, and engaging the shank and an inturned flange on the knob section engaging an end of the shank.



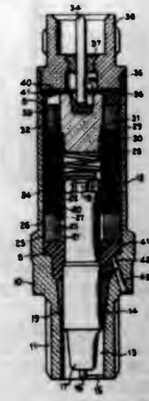
9. A door knob structure comprising a hollow shell having an end wall at one end thereof and having an opening at the other end thereof, there being a plurality of perforations formed in the end wall, a tubular shank extending through said opening, a series of lugs on one end of the shank extending through said perforations and bent over to secure the tubular shank to the hollow shell, and a knob section carried by the opposite end of the shank, said knob section forming a closure for said other end of the hollow shell and also supporting said other end of the hollow shell with relation to the shank.

2,571,768
SPRAY NOZZLE WITH ADJUSTABLE DEFLECTOR
Max Schlenau and Harold R. Pinkerton, Seattle, Wash.; said Pinkerton assignor to said Schlenau
Application June 14, 1948, Serial No. 32,748
2 Claims. (Cl. 299—129)



1. A spray nozzle of the character described comprising a body formed with a longitudinal channel counterbored and threaded at one end for fixedly mounting the nozzle on a water supply pipe for discharge of water through the nozzle channel; said body having a cylindrically formed outer end portion terminating in a conically tapered end surface, and formed at a distance spaced from its end with an encircling channel, a collar fitted to the cylindrically formed portion for rotatable adjustment thereabout, said collar having an arm extended inwardly therefrom across said annular channel and equipped with a circular hole therethrough, spaced outwardly extending ears on the collar, a flat spray forming and deflecting plate formed with a mounting lever arm extended therefrom between said spaced ears and over said hole equipped arm, a pivot pin mounting said lever arm between said ears to adjustably support said plate angularly across the path of delivery of water from the nozzle, a ball bearing fitted in said circular hole to follow in the body encircling channel, a coiled spring disposed under compression to bear against said ball and said lever arm at the inside of its pivotal mounting, and a thumb screw threaded through said lever arm at the outside of its pivotal mounting and engaged against said conical surface and adjustable to change the angular disposition of the plate relative to the line of delivery of water from the nozzle.

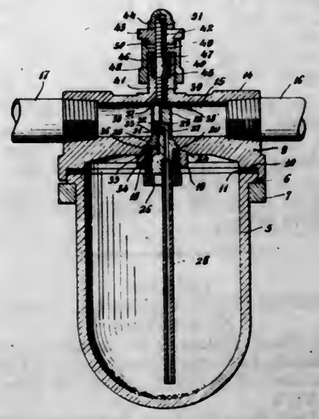
2,571,769
IGNITION DEVICE
Louis H. Segall, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application September 27, 1947, Serial No. 776,600
8 Claims. (Cl. 315—57)



1. In apparatus of the class described, a tubular metallic shell, an insulated center electrode assembly mounted in said shell and projecting therefrom, a metallic shielding barrel extending from said shell around and beyond the projecting end of said assembly, an ignition coil slidably mounted in said barrel and comprising primary and secondary windings, a tubular metallic core for said coil surrounding the outer end of said assembly, means for connecting the high potential end of said secondary winding to said core, and means disposed within said core for mechanically supporting said coil on the outer end of said assembly and for electrically connecting said core with the electrode of said assembly, said last-named means comprising a radially-expansible open-wound coil spring arranged with its axis parallel with the axis of said core and engaging the electrode of said assembly and the inner surface of said core under radial tension.

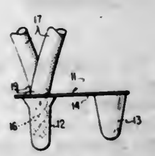
2,571,770
DEVICE FOR LUBRICATING FLUID PRESSURE OPERATED MEANS
Albert L. Semon, Short Hills, N. J.
Application July 5, 1947, Serial No. 759,041
9 Claims. (Cl. 184—55)

7. In a lubricating device for fluid pressure operated means, a head having a passage adapted to be connected at the opposite ends in a conduit connecting a source of supply of fluid pressure in communication with fluid pressure operated means, a lubricant containing receptacle mounted on the head, a nozzle mounted in the head with one end portion extending into the passage of the head and arranged with a recess extending into the side of the end portion of the nozzle extended into the passage of the head and constituting a lubricant delivery orifice, a port in one side of the recess, a passage extending longitudinally of the nozzle with one end communicating with the port and the opposite end opening to the end of the nozzle opposite the end portion extended into the passage of the head, a bore in the nozzle extending parallelly of the passage in the nozzle and in alinement with the port with one end communicating with



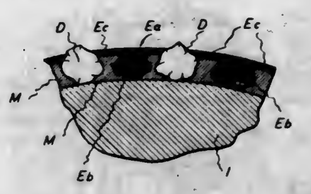
the recess, a second passage in the nozzle communicating at one end with the bore and the opposite end communicating with the receptacle, a tube mounted at one end in the first passage of the nozzle and having the opposite end submerged in the lubricant in the receptacle, and a valve having a stem of less diameter than the diameter of the bore and slidable in said bore and a head to engage the port and control the delivery of lubricant to the recess through the tube, first passage in the nozzle and the port by the sliding movement of the valve stem.

2,571,771
INSULATING SPLICE PROTECTOR
John J. Sigman, Cicero, Ill.
Application February 16, 1948, Serial No. 8,560
4 Claims. (Cl. 174—138)



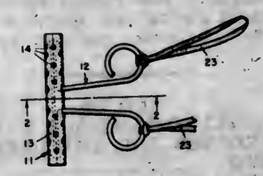
1. An insulating protector for the spliced ends of conductors, comprising an insulating cover member provided with a pocket for receiving and covering the spliced ends of the conductors, a deformable member connected to said insulating cover member and adapted to be stretched around the crotch between the conductors, thereby to hold said insulating cover member in place on the spliced ends of the conductors, a second cover member connected to said deformable member at a point spaced from said first-named cover member and provided with a pocket for receiving and covering said first-named cover member to hold said deformable member stretched around the crotch between the conductors.

2,571,772
METHOD OF MAKING DIAMOND TOOLS
Abraham Simons, Mount Vernon, N. Y.
Application May 20, 1949, Serial No. 94,442
5 Claims. (Cl. 51—309)



4. A tool which has a tool-body, a binding layer of metal bonded to said tool-body, said metal binding layer having an outer face, diamond working elements which are spaced from each other, said diamond working elements having inner portions which are embedded in and bonded to said metal binding layer, said diamond working elements having outer portions which extend outwardly of said outer face of said metal binding layer, spacer members, said spacer members having inner shanks which are embedded in and bonded to said metal binding layer, said spacer members having spacer heads which are located outwardly of said outer face of said metal binding layer, said spacer heads being enlarged laterally relative to said shanks, said spacer heads having inner head-faces which abut and are bonded to said outer face of said metal binding layer, said spacer-heads also having outer head-faces, said outer portions of said diamond working elements extending outwardly beyond said outer head-faces, said spacer heads substantially covering the portions of said outer face of said metal binding layer intermediate said outer portions, said spacer members being made of non-metallic material which softens and is spreadable at a temperature which is below the disintegration temperature of said diamond working elements and the melting temperature of said tool-body.

2,571,773
HAIR SETTING DEVICE
Louise M. Smidt, Los Angeles, Calif.
Application December 31, 1949, Serial No. 136,368
3 Claims. (Cl. 132—33)



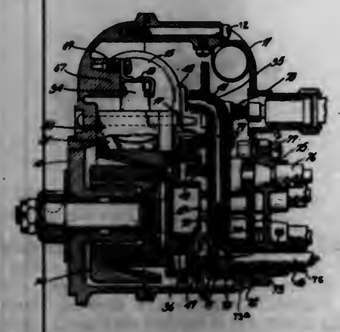
1. A hair setting device comprising a tubular body about which strands of hair can be wound, and a wire handle attached to said body and projecting therefrom intermediate the ends of the body, said handle comprising a mid-portion within said body and a pair of legs extending therefrom in spaced relation, said legs each terminating in a loop.

2,571,774

MAGNETO CASING, COVER, AND CABLE SUPPORTING AND SEALING MEANS THEREFOR

Walter J. Spengler and William G. Roleson, Sidney, N. Y., assignors to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware

Application July 22, 1946, Serial No. 685,577
2 Claims. (Cl. 173—328)



1. In apparatus of the class described, a casing having an opening therein, a rigid terminal support secured in said casing adjacent to and facing said opening, a rigid cover for said opening, said cover and terminal support each having a plurality of spaced bosses projecting from the adjacent faces thereof, each said boss having a cone-like recess therein and each said boss on the cover being in axial alignment with a said boss on the terminal support, said cover having passages connecting the said recesses therein with the exterior of the casing, a terminal at the closed end of each said recess in the terminal support, a cable support of resilient insulating material interposed between said cover and terminal support comprising a web and a plurality of spaced pairs of externally conical bosses, each said pair including aligned bosses projecting from opposite faces of said web into aligned recesses in the bosses on said cover and terminal support and each said pair of bosses having a bore therethrough, said bore being of reduced diameter adjacent one end thereof, an electrical conductor extending through each said bore and passage and having a close fit in the reduced portion of said bore, insulation surrounding said conductor in said bore and closely fitting the larger diameter portion of the bore, a terminal secured to the end of said conductor to prevent withdrawal of the latter from said bore and for making electrical contact with one of said terminals in said terminal support, and means for securing said cover to said casing for applying compressive pressure to the bosses on said resilient cable support.

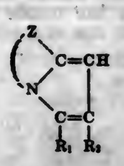
2,571,775

PYRRO-COLINOCARBOCYANINE DYES AND PROCESS FOR THE PREPARATION THEREOF

Robert H. Sprague, Rochester, N .Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 3, 1948, Serial No. 15,863
11 Claims. (Cl. 260—240.65)

1. A process for preparing a pyrrocolinocarbocyanine dye comprising condensing, in the presence of a substantially anhydrous carboxylic acid containing from 2 to 4 carbon atoms and a metal salt selected from the group consisting of the alkali and the alkaline earth metal bromides, perchlorates, nitrates, chlorides, iodides and sulfates, a 1,3,3-trialkoxypropene in which each alkyl group contains from 1 to 2 carbon atoms with a pyrrocoline selected from the group consisting of those represented by the following general formula:



wherein R_1 and R_2 each represents a member selected from the group consisting of a hydrogen atom, an alkyl group containing from 1 to 6 carbon atoms and an aryl group of the benzene series, and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus of the pyridine series.

2,571,776

LOCKING MOUNTING FOR GALVANOMETERS

William S. Staff, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application June 20, 1949, Serial No. 100,274
10 Claims. (Cl. 171—95)



1. A system for mounting a barrel type galvanometer, comprising a cylindrical housing therefor, an annular groove in said housing, and an insulated terminal at one end of said housing, a permanent magnet, a pole piece shaped to receive said housing, a spring contact insulated from said magnet and extensible along the axis of said aperture, a second spring contact insulated from said first named contact equal in thickness to the axial width of said annular groove and operative transversely of said aperture whereby said second named spring is received by said groove to position said galvanometer in said aperture to maintain said first named spring in compression and in contact with said insulated terminal without interfering with rotation of said galvanometer about its longitudinal axis.

2,571,777

ACRYLONITRILE POLYMER MIXED WITH COPOLYMER OF VINYL ACETATE AND ISOPROPENYL ACETATE

Theodore E. Stanin and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 8, 1950, Serial No. 154,877
17 Claims. (Cl. 260—30.4)

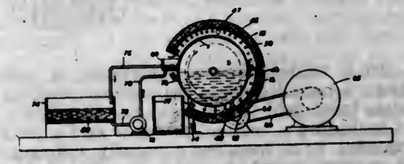
1. A resinous composition comprising from 60 to 90 per cent by weight of a polymer containing at least 95 percent by weight of acrylonitrile in the polymer molecule and from 40 to 10 per cent by weight of an interpolymer containing from 15 to 55 mol per cent of isopropenyl acetate and from 85 to 45 mol per cent of vinyl acetate in the polymer molecule.

2,571,778

ROTARY DRUM DRIER

Helmut John Stieger, Brough, England

Application September 21, 1949, Serial No. 116,977
In Great Britain September 8, 1948
7 Claims. (Cl. 159—10)



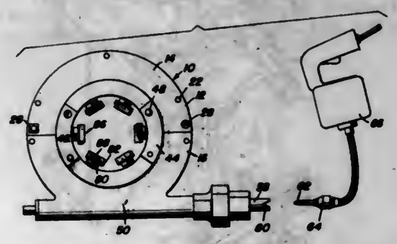
1. An evaporative system comprising a rotary drum, a relatively stationary shell concentrically and at least partially surrounding said drum and having a radical spacing therefrom, a heating means disposed partially about the periphery of said drum and within said spacing, and means including a conduit disposed in said spacing for conducting a current of air through said spacing and in contact with said heating means, said conduit being disposed so as to conduct air directly into said spacing from the exterior of said shell.

2,571,779

CRANKSHAFT GRINDING DEVICE

James C. Stodgell, Dalton, Mo., assignor of fifty per cent to J. W. Hayward, Dalton, Mo.

Application September 19, 1949, Serial No. 116,437
2 Claims. (Cl. 51—241)



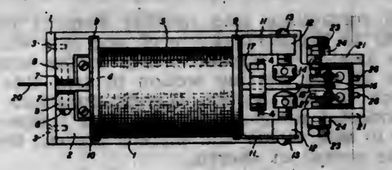
1. In a shaft grinding device, the combination of an annular supporting member provided with a set of circumferentially spaced radially extending screw-threaded bores, a set of studs rotatably positioned in and projecting inwardly from the respective bores and having threads interengaging the threads of the bores whereby the studs may be adjusted radially of said member, abrading units provided at the inner ends of said studs, said studs being provided with axial passages, support pins rotatably positioned in said passages and carrying said abrading units, and locking pins provided on and radiating outwardly from the respective units, said supporting member being provided with radial openings having outer end portions of said locking pins slidably disposed therein, whereby to sustain the abrading units against rotation.

2,571,780

DAMPING MEANS

Hugh M. Stoller, deceased, late of Mountain Lakes, N. J., by Marian M. Stoller, executrix, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 10, 1948, Serial No. 32,100
5 Claims. (Cl. 188—1)



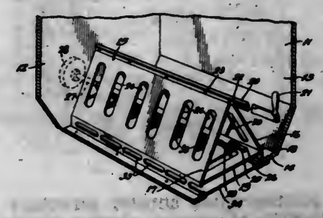
1. In a relay, a horizontal member pivoted about an axis extending perpendicularly to the longitudinal axis of said member and a massive pendulous damping member of resilient material depending downwardly therefrom and oscillatable about an axis of suspension comprising the longitudinal axis of said horizontal member, said damping member being deformable upon oscillation to absorb a portion of the kinetic energy of motion of said horizontal member.

2,571,781

BAG SPLITTING AND DISPENSING DEVICE

George T. Sutch, Lake Geneva, Wis.

Application December 20, 1949, Serial No. 133,973
5 Claims. (Cl. 214—1.1)



1. A bag splitting device comprising a substantially rectangular receptacle, a wedge member mounted within the receptacle, said wedge member having means for carrying an elongated knife member protruding from its apex for initially cutting the bag, said wedge member housing a rotatable shaft having a plurality of raking fingers so constructed and positioned as to protrude through a plurality of slots provided in the walls of said wedge to cooperate in removing the contents from the bag.

2,571,782

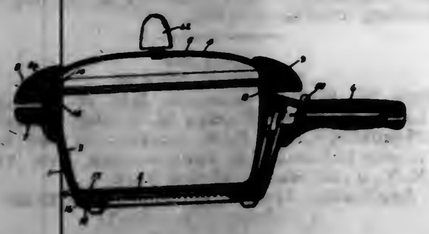
COOKER

Alfred G. Swenson, Ontario, Calif., assignor to General Electric Company, a corporation of New York

Application May 25, 1946, Serial No. 672,251
9 Claims. (Cl. 219—44)

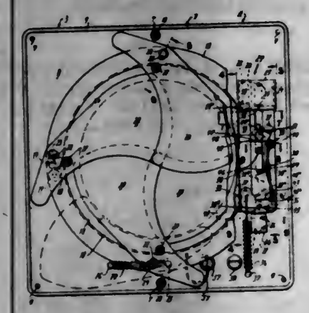
8. A pressure cooker and the like comprising a receptacle provided with a bottom wall and

a side wall extending upwardly therefrom to define an open top, a cover sealing said top, said walls being cast integrally together, a heating element cast to said bottom wall exteriorly of its inner surface and having a heating section extending upwardly integrally within said side wall, a thermostatic element within said side



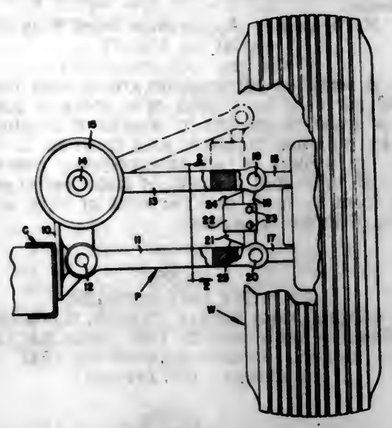
wall controlling said heating element responsively to the temperature of said side wall and also located to respond locally to the temperature of said heating section in said side wall, which heating section thereby functions as a thermostat preheater to anticipate temperature rise in said cooker and thereby prevent temperature overshoot therein.

2,571,783
SHUTTER MECHANISM FOR CAMERAS
Gerald Swinnerton, St. Louis, Mo., assignor, by mesne assignments, to National Camera Works, St. Louis, Mo., a copartnership
Application August 11, 1949, Serial No. 109,679
10 Claims. (Cl. 95—63)



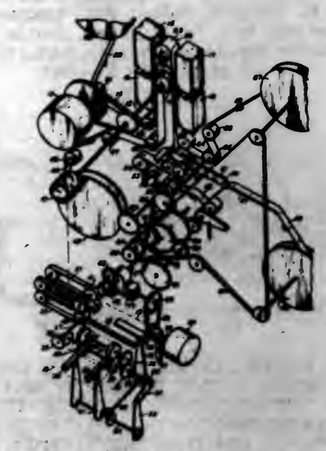
1. A photographic shutter structure comprising a plurality of movable shutter blades, a rotary blade race to which said blades are connected for actuation of said blades to open and closed positions on movement of said blade race, a projection extended from said blade race, means for subjecting said blade race to blade-opening movement comprising a main arm supported for guided movement, a toggle element movable bodily with said main arm and pivotally movable with respect thereto, said toggle element being adapted to engage said projection on said blade race so as to subject said blade race to rotary movement on movement of said main arm, and a pull arm adapted for movement which initially subjects said main arm and said toggle element to bodily movement and thereafter subjects said toggle element to pivotal movement which releases said projection of said blade race from said toggle element, and means comprising a spring for subjecting said blade race to blade-closing movement on release of said blade race projection from said toggle element.

2,571,784
SUSPENSION FRAME BUMPER
Harold C. Tellock, Chicago, Ill., assignor to Tucker Corporation, Chicago, Ill., a corporation of Delaware
Application March 29, 1947, Serial No. 738,126
5 Claims. (Cl. 267—21)



1. In a vehicle frame suspension, a wheel, a chassis, a parallelogram support suspending said chassis from said wheel, said parallelogram support including a vertical member and a normally horizontal arm member pivotally connected to said vertical member, and a bumper element of resilient material carried by one of said members and positioned in the angle between them at a point adjacent their pivotal connection to be engaged by the other of said members.

2,571,785
DRIVE MECHANISM FOR TAPE FACSIMILE APPARATUS
Russell G. Thompson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 17, 1949, Serial No. 116,310
4 Claims. (Cl. 178—6.6)



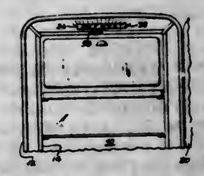
3. A facsimile recorder including a recording cylinder and means under the control of received signals for marking a tape moved over the cylinder, means for drawing a plain tape over the cylinder comprising a sprocket and, between the sprocket and the cylinder, a flying punch for perforating the tape consistent with the sprocket.

2,571,786
BOLT FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 3, 1946, Serial No. 681,331
1 Claim. (Cl. 151—41.75)



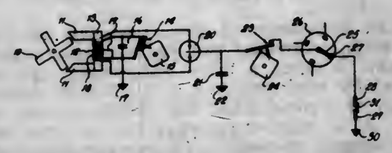
A fastening device comprising a combined bolt and bolt holder, said bolt having a head provided with spaced side faces in parallel relation to the axis of the bolt shank, said bolt holder being assembled on said bolt head and comprising a generally bowed sheet metal body provided with spaced partially severed portions defining spaced continuous strips having a spacing corresponding substantially to the spacing of said side faces on the bolt head, each of said strips having its ends integral with said sheet metal body and its intermediate portion bent upwardly out of the plane of said body in the form of an enlarged loop defining a single continuous elongate shoulder extending across the major portion of a side face on said bolt head in abutting relation thereto, said sheet metal body of the bolt holder having an opening between said spaced strips receiving the bolt shank, tongues provided from the material of said sheet metal body having their extremities adjacent said opening and projecting downwardly from said body with the extremities of said tongues engaging said bolt shank to retain the bolt in assembly with said bolt holder, and spaced hooks on said generally bowed body of the bolt holder adapted to be secured in spaced openings in a part upon distention of said generally bowed body to hold the bolt on said part against both relative rotative movement and axial displacement.

2,571,787
REFRIGERATOR FROST INDICATOR
Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 12, 1946, Serial No. 683,277
7 Claims. (Cl. 62—1)



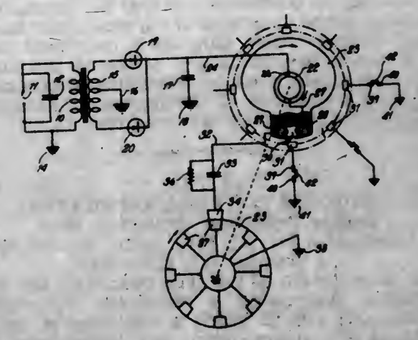
1. In a refrigerator cabinet having a food storage chamber, a cooling unit having a surface exposed to the air of said chamber, the combination with said surface of a member normally movable between a first position and a second position and in a direction substantially parallel to said surface, means for biasing said member from said first position to said second position, an actuating device responsive to said door for moving said member from said second position to said first position when said door is moved to its closed position, said device releasing said member for movement by said biasing means when said door is moved from said closed position, at least said first position of said member being closely adjacent said surface of the cooling unit so that frost forming thereon retains said member in said first position against the action of said biasing means when said door is moved from its closed position, and means for indicating whether said member is retained in said first position when said door is moved from said closed position.

2,571,788
ELECTRICAL APPARATUS
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 9, 1949, Serial No. 98,092
12 Claims. (Cl. 315—217)



1. In an ignition circuit for combustion engines or the like, a storage condenser, a source of electrical energy for charging said condenser, a spark gap having a normal spark-over voltage in excess of the maximum voltage of the charge attainable by said condenser, an element having a high electrical resistance below the normal resistance of said gap connecting the electrodes of the latter, and means for connecting said gap in circuit with said condenser.

2,571,789
ELECTRICAL APPARATUS
Tullio Tognola, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 9, 1949, Serial No. 98,094
19 Claims. (Cl. 315—217)



1. Apparatus of the class described comprising a source of electrical energy, a storage condenser connected to be charged by said source, a second condenser of less capacity than said storage condenser, means for electrically con-

necting said condensers, said means including a pair of electrodes in spark gap relation and a resistor connecting said electrodes, and means for intermittently completing a circuit through said condensers whereby said storage condenser discharges through said resistor and across the gap between said electrodes into said second condenser.

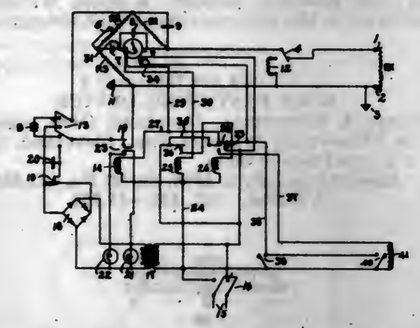
2,571,790
CAN ARRANGING APPARATUS
Walter M. Tomkins, Hinsdale, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 31, 1945, Serial No. 625,865
15 Claims. (Cl. 198—34)



14. In apparatus of the character described, a travelling conveyor for feeding cans uprightly disposed thereon, a table onto which the cans are fed by said conveyor, guide means disposed to provide a constricted way extending over said table and an adjacent part of the conveyor feeding thereonto and wherein to receive and confine cans arranged in staggered and nested row relation, guide means extending over said conveyor in position for delivering into the first mentioned guide means and including devices for guiding the cans in separate rows and for bringing the separate rows together in nested relation in said constricted way, a rotor disposed transversely with respect to said constricted way and having transverse rows of abutment members projecting in staggered relation from its periphery in position for being engaged by the individual cans in said rows in a manner for bringing about an accurate staggering of said rows, means for successively separating from the staggered and nested can rows in said way tier complements of said staggered and nested rows and for moving said tier complements along the way and over said table into position for being removed as individual tier complements from said way, said last named means comprising a fork member having fingers thereon corresponding in number to the number of rows of cans in said way and extending in staggered relation for engagement in cans of the staggered rows, means for moving said member back and forth over said table, and means for effecting a lifting of the fingers out of the cans prior to retraction of said member and a lowering of the fingers into the cans prior to projection of said member.

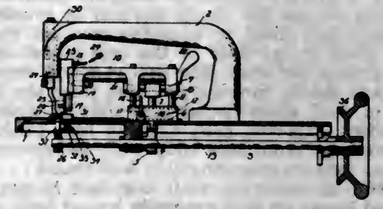
2,571,791
PROCESS CONTROL APPARATUS
George Tompkins, Wellaston, Mass.
Application July 31, 1947, Serial No. 764,940
5 Claims. (Cl. 175—183)

1. In a system of the type described, the combination comprising a resistance Wheatstone bridge, one arm of which is composed of the resistance of a process batch, said bridge being adjusted to balance at a particular value of the resistance of the batch, a direct current source for energizing said bridge, and an indicating meter connected across said bridge in series with means for limiting the flow of current through said meter in the direction of unbalance only whereby said meter indicates when the resistance



of the batch exceeds a value which balances said bridge.

2,571,792
MACHINE FOR BURNING EDGES OF LEATHER PIECES
Alessandro Tosi and Roberto Tosi, Busto Arsizio, Italy
Application February 21, 1948, Serial No. 10,068
In Italy November 24, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1965
2 Claims. (Cl. 69—7.5)

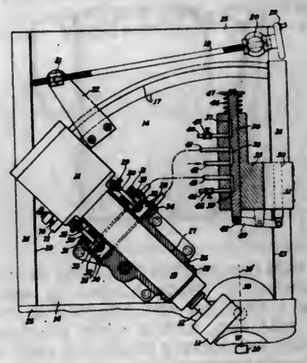


1. A machine for finishing the edges of uppers and other leather pieces as used in shoe manufacture comprising, in combination, a support surface on which the piece to be worked is made to advance, there being a slot in said support surface, a walking beam feed element moving in said slot alternately forward above and backward beneath said surface, a burning tool displaceable vertically on the edge of the piece to be worked, driving means for both said feed element and said tool acting so as to move said tool to contact said piece when said feed element is below said surface, and to move said tool away from said piece when said feed element is above said surface.

2,571,793
TOOL FEEDING MECHANISM FOR LENS GENERATORS
John R. Turner and Glenn H. Bulleck, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 10, 1949, Serial No. 92,262
7 Claims. (Cl. 51—2)

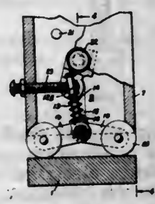
1. In a surface generating apparatus the combination with a base a rotatable work spindle on the end of which a piece of work to be abraded is adapted to be mounted, a rotatable tool spindle, and abrading tool on the end of said tool spindle, a carrier rotatably supporting said tool spindle and slidably mounted on said base to

move said spindle axially toward and away from the work spindle to move the tool into and out of engagement with said work, and means normally urging said carrier toward said work spindle at an excessive rate, of a governor mechanism for limiting the rate of movement of said carrier toward said work spindle and including a part



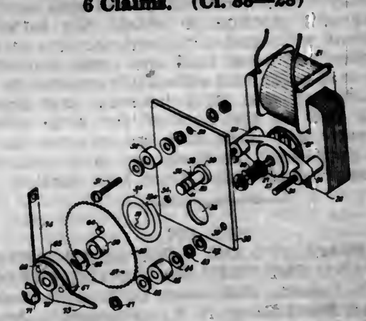
positively connected to said carrier at all times, a continuously-driven member, and an overrunning clutch between said part and said member arranged to drivingly connect the two when said carrier moves toward the work at a rate in excess of that determined by the speed of said continuously-driven member.

2,571,794
CONNECTING SWITCH DEVICE
William W. Turner, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application December 14, 1949, Serial No. 132,872
4 Claims. (Cl. 200—153)



4. A device for making and breaking a current conducting connection between two spaced conductors, one of said conductors being of hollow rectangular cross-section and the other of said conductors being a bus bar, comprising a pair of concentric cranks pivotally mounted upon a pair of opposite supporting walls of said hollow conductor, a cross-head pivotally mounted between said cranks and provided with a plurality of cylindrical apertures arranged in line therein, rods slidably mounted in said apertures, a bifurcated member mounted upon one end of each of said rods and a stop mounted upon the opposite end thereof, springs surrounding said rods and extending between adjacent surfaces of said cross-head and said bifurcated members to provide resilient compression members therebetween, said supporting pair of opposite walls being provided with guide slots disposed in the direction of the longitudinal axis thereof, a pin rotatably mounted in said bifurcated members and extending into said guide slots, pairs of arms adjacent rotatably mounted at corresponding ends thereof around said pin between the tines of said bifurcated members to form toggle joints, pairs of roller contacts pivoted upon the opposite ends of said arms and in mutual tangential relation so that at least a minimum angle is maintained between said arms when said arms are out of contact with said bus bar, said cranks being selectively rotatable in one direction to move said rollers out of contact with said bus bar, and rotatable in the opposite direction to move said rollers into contact with said bus bar and further rotatable in said opposite direction to cause said rollers to roll apart along said bus bar to complete contact between said bus bar and the remaining pair of opposite walls of said rectangular conductor, an adjustable stop mounted upon one of said remaining pair of walls, said cranks being still further rotatable in said opposite direction until the joint between said cranks and said rods passes the dead center thereof with said cross-head against said stop to lock said rollers in contact relation with said walls and said bus bar and a lost motion device mounted between the intermediate of said bifurcated members and said pin to allow the rollers corresponding thereto to complete contact between said other pair of walls and said bus bar without further movement of said pin.

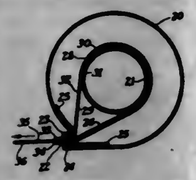
2,571,795
STRIP FILM ADVANCE MEANS
Merle D. Tyler, Geneva, and Robert H. Larson, Batavia, Ill., assignors to Du Kane Corporation, a corporation of Illinois
Application January 31, 1949, Serial No. 73,728
6 Claims. (Cl. 88—28)



4. A motor drive for an intermittent type of film advance mechanism for a projector, said drive comprising a complete unit attachable to a projector, said drive comprising a base, an electric motor mounted on said base, said motor being of the type having a low starting torque, a disc rotatively supported on said base and coupled to said motor to be driven thereby at a reduced speed, a drum mounted for rotation upon said base, means on said drum cooperating with said base for defining a limited angular range of travel for said drum, a flexible strap having one end attached to said drum to be wound up thereon when said drum moves from one end of its range to the other end of its range, said flexible strap having a free end for attachment to an actuating member on said advance mechanism to cause said advance mechanism to move film forward one frame, lost motion means for rotatively coupling said disc and said drum, a coil spring between said base and disc for rotatively biasing said disc so that the drum is caused to assume a position at one end of its range, said motor when energised turning the disc in a direction against its spring

bias to move the drum toward the other end of its range whereby said electric motor may come up to speed before full load is applied thereto, said drum and disc returning to a normal position upon deenergization of the electric motor.

2,571,796
FILM CASSETTE
Lawrence A. Ulmschneider and Charles W. Lewis, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 1, 1949, Serial No. 119,150
7 Claims. (Cl. 242—71)



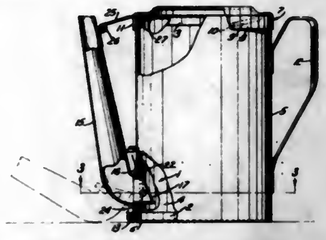
1. In a film cassette, the combination with a lighttight tubular casing formed with a slotted film-exit guide having spaced lips lined with a light-excluding material, a film spool rotatably mounted in said casing and formed with a core on which a film strip is wound, of means for anchoring the trailing end of said strip to said core, said means comprising a trailing portion formed on said strip and positioned between and extending inwardly from said lips and snubbed on said core, a tape wrapped around said core and overlying said portion to retain the latter in engagement with said core, and sections of said tape extending from said core and projecting through said guide and adhesively secured to opposite sides of said strip between said lips so that any pull on the part of the strip outside said cassette will cause said lips to press on the sections positioned therebetween to prevent disengagement of the tape from said portion.

2,571,797
VITAMINACEOUS OIL CONTAINING POWDERS AND THE PREPARATION THEREOF
Sidney D. Upham, Stillwater, Okla., and Charles C. Reed, Pearl River, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 24, 1949, Serial No. 78,232
8 Claims. (Cl. 167—81)

7. A substantially dry powder produced by the reaction of aluminum isopropoxide and water in the presence of a vitaminaceous oil in an inert solvent, followed by the removal of said solvent at a temperature range within which the vitaminaceous material is stable, said powder having incorporated therein at least about 30% by weight of said vitaminaceous oil.

2,571,798
DISPENSING CONTAINER WITH A SPOUT AND PUNCTURING BLADE HINGEDLY ATTACHED
Anthony Urch, San Francisco, Calif.
Application June 20, 1947, Serial No. 755,941
2 Claims. (Cl. 222—83.5)

1. A dispensing container for canned liquids, comprising a substantially cylindrical chambered casing having an open top and bottom portion, a spout hinged to said casing adjacent said bottom portion and having a cutting blade thereon adapted to sever the wall of a can placed in the chamber of said casing, an annular gasket carrier fixed to and circumferentially encircling said spout and having a gasket therein sealing the



surface of said can surrounding said severed portion, a puncturing blade hinged to said spout and having a severing end adapted to puncture the top of said can, and a cover overlying said open top, said puncturing blade and said can and having a flange engaging the top portion of said casing.

2,571,799
FLASHLIGHT LAMP
Jules Henri Marie van Uden and Gerard Daniel Rieck, Eindhoven, Netherlands, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 14, 1948, Serial No. 8,384
In the Netherlands March 3, 1947
8 Claims. (Cl. 67—31)

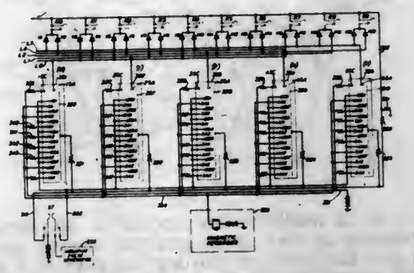


1. An electrically ignited flash lamp comprising a container, a combustion-supporting filling within the container, electrical supply conductors extending into the container, and a member of electrically conducting actinically-reacting material secured to said supply conductors within the container, said member comprising a first flash producing portion and a second ignition portion integral with said first portion and having a cross-sectional area smaller than said first portion and an overall electrical resistance greater than that of said first portion.

2,571,800
SIGNAL TRANSMITTER
Edward Vroom, Ossining, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 9, 1950, Serial No. 178,459
10 Claims. (Cl. 177—380)

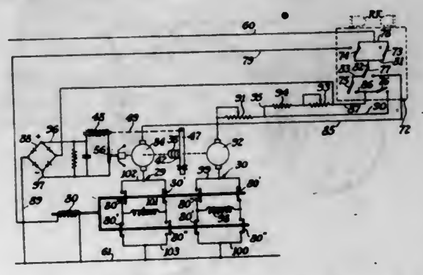
7. In a communication system, a pulse source, a plurality of gaseous conduction devices each having an anode, a first plurality of cathodes, a second plurality of cathodes and a start electrode, switch means for connecting said pulse source to said second plurality of cathodes in each of said

devices, a source of potential, switch means for connecting said source of potential to the anodes of all of said devices, output means, means connecting selected ones of said first plurality of cathodes in each of said devices to said output means, a plurality of switches, means for connecting said source of potential to said plurality of switches, and means connecting each of said switches to two of said start electrodes, each of said switches being connected to the start elec-



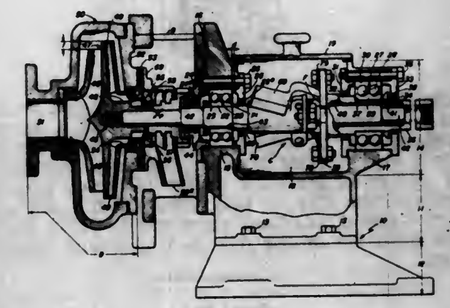
trodes in a different pair of said devices whereby upon the selective operation of any of said switches a discharge-initiating potential is simultaneously applied to the ones of said start electrodes connected thereto, each of said devices when discharged being responsive to pulses transmitted from said pulse source to said second plurality of cathodes therein to advance the conductive path therethrough step by step so that said path exists between said anode and successive ones of said first plurality of cathodes.

2,571,801
MULTIPLE MOTOR DRIVE
Elmer O. Wangerin and Robert W. Wetherald, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 23, 1948, Serial No. 67,012
7 Claims. (Cl. 318—91)



1. A multiple motor drive for driving a common drive shaft at a plurality of different speeds, the combination comprising a first motor operatively connected to said shaft and upon energization adapted to rotate said shaft at a predetermined speed, a second motor adapted upon energization to rotate said shaft at any one of several speeds less than the predetermined speed of said first motor, clutch means for coupling said second motor to the rotor of said first motor, a holding circuit including a solenoid operatively connected to said clutch means and a normally-open switch means in series circuit therewith and for maintaining said clutch means in an engaged position upon energization of said second motor, and a centrifugally operated means on the rotor of said first motor for holding said switch means in a closed position and for permitting said switch means to move to said normally-open position at a predetermined critical speed of said rotor upon energization of said first motor.

2,571,802
CENTRIFUGAL PUMP
Elmer R. Wilfley and John L. Aldred, Jr., Denver, Colo., assignor to A. R. Wilfley & Sons, Inc., Denver, Colo., a corporation of Colorado
Application April 9, 1948, Serial No. 19,915
13 Claims. (Cl. 103—111)

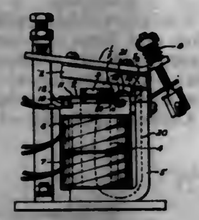


7. Apparatus having a housing and an impeller shaft axially shiftable relative to the housing, means carried by the shaft to open and to seal alternately an annular passage in the housing and surrounding the shaft between the shaft and the housing, a drive shaft, a torque-imparting drive means connecting the drive shaft and the impeller shaft consisting solely of resiliently deformable means including at least one spring having its one end fixed to the impeller shaft and its other end fixed to the drive shaft to perform a dual function of transmitting torque from the drive shaft to the impeller shaft and of urging the impeller shaft into sealing position, and seal effecting actuating means mounted on the impeller shaft and operable upon the drive shaft while the impeller shaft is rotating for shifting the impeller shaft relative to the drive shaft to open the passage against the resistance of the resiliently deformable means.

2,571,803
ELECTROMAGNET CONTROL MECHANISM WITH TWO ARMATURES
Fred H. Winter, Schenectady, N .Y., assignor to General Electric Company, a corporation of New York
Application January 18, 1949, Serial No. 71,536
1 Claim. (Cl. 175—337)

An electromagnetic device comprising a U-shaped magnetizable frame and a movable magnetizable main armature pivotally mounted upon one leg of said frame to bridge the open end of said frame, means normally maintaining said main armature in an unattracted position spaced from the other leg of said frame thereby to define a main flux gap, said frame and armature and main gap defining a main flux path, an energizing coil mounted upon said frame and adapted to be energized to attract said main armature to close said gap, an auxiliary armature pivotally

mounted upon said frame and positioned to shunt leakage flux from said main gap through a first part of said auxiliary armature and a first leakage gap when said main armature is in said unattracted position, the flux in said first leakage gap holding said auxiliary armature in a predetermined normal position, and a shim of high reluctance material positioned in another part of said main flux path adjacent said auxiliary



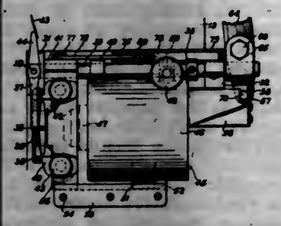
armature to shunt leakage flux through a second part of said auxiliary armature and a second leakage gap to attract said auxiliary armature from said normal position, whereby movement of said main armature to said attracted position reduces the flux in said first leakage gap and permits said auxiliary armature to move under the influence of the flux in said second leakage gap.

2,571,804

LENS MOUNT AND FILM GATE ARRANGEMENT FOR PROJECTION APPARATUS

Otto Wittel and Charles E. Swing, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application June 27, 1950, Serial No. 170,490
6 Claims. (Cl. 88—24)



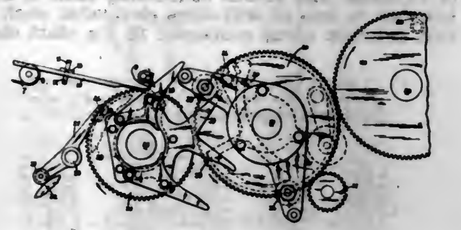
1. In a projection apparatus provided with an optical axis, the combination comprising a casing having a projection aperture aligned with said axis, a support means slidably mounted on said casing parallel to said axis, a film gate assembly including a member fixed to said casing and a movable member secured to said support means, a lens mounting means mounted on said support means and adapted to be moved therealong and therewith, a fulcrum block secured to said support means, a manually rotatable focusing knob, a focusing lever pivotally mounted on said fulcrum block and operatively connected to said knob and lens mounting means for moving said lens mounting means along said support means upon rotation of said knob, and an actuating linkage operatively connected to said movable gate member and said casing and for moving said support means axially to permit a film strip to be inserted between said gate members and to position said film strip in said film gate assembly.

2,571,805

SHEET TAIL ACCELERATING DEVICE FOR SHEET FEEDERS

James R. Wood, Cleveland, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware

Application February 28, 1948, Serial No. 11,970
30 Claims. (Cl. 271—51)



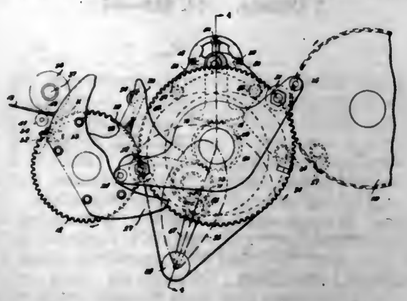
1. In a machine for operating on sheets, a revoluble carrier, sheet gripping means adapted to grip and advance the leading edge of a sheet, said means comprising grippers on said carrier and means mounted on said carrier moving at a speed at all times proportional to the speed of the grippers in a complete circular path intersecting the path of the grippers adapted to engage the sheet to advance the trailing edge of the sheet more rapidly than the leading edge thereof, said sheet gripping means maintaining its hold upon the sheet until after said last named means has moved to the outermost point of its circular path.

2,571,806

SHEET TAIL ACCELERATING DEVICE FOR SHEET FEEDERS

James R. Wood, Cleveland, Ohio, assignor to Harris-Seybold Company, Cleveland, Ohio, a corporation of Delaware

Application May 24, 1949, Serial No. 95,062
11 Claims. (Cl. 271—51)



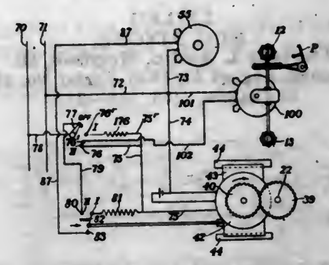
1. In mechanism of the character described, a feed board, an advance cylinder having sheet grippers, means intermediate said feed board and advance cylinder for receiving sheets from the feed board and presenting them to said grippers, a pull-out abutment carried by said advance cylinder for putting a loop in the sheet in order to move its rear edge rapidly off the feed board, mechanical means for moving said abutment in a closed path intersecting the path of said grippers at two points, said mechanical means comprising cam means for modifying the path of travel of said abutment, said mechanical means and said cam means functioning together to provide an oval path of travel for said abutment.

2,571,807

FILM WINDING AND REWINDING MECHANISM

Fred N. Woodhouse and Charles E. Swing, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 1, 1949, Serial No. 78,985
13 Claims. (Cl. 242—55)



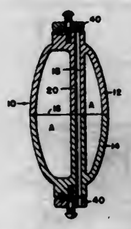
1. In a film winding and rewinding mechanism for reducing strain on film passing through projectors, the combination with a support, of a supply and a take-up motor carried by the support, a supply shaft operably connected to the supply motor, a take-up shaft, operable connections between the take-up shaft and the take-up motor, a circuit including conductors leading to the supply motor for energizing the motor at full voltage, a first resistor in the circuit to the supply motor for energizing the supply motor at reduced voltage, the supply motor always tending to turn the supply shaft in a wind-up direction, the circuit including conductors leading to the take-up motor to energize said motor for turning the take-up shaft in a take-up direction at full voltage, a second resistor in the circuit to the take-up motor for energizing the take-up motor at reduced voltage to turn the take-up shaft in a take-up direction, and a manually operable switch in the circuit for selectively energizing both the supply and take-up motors through the circuit at reduced voltage to facilitate threading the projector.

2,571,808

COMBINATION FISHING LINE AND BOBBER

Edward L. Aldinger, Jr., Cincinnati, Ohio

Application June 27, 1950, Serial No. 170,514
3 Claims. (Cl. 43—44.91)



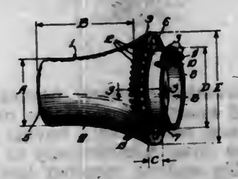
1. In a fishing bobber, the combination of a float having a tubular aperture therethrough, a member having an elongated aperture therethrough with one end of said aperture terminating in an opening the diameter of which is substantially equal to the diameter of said tubular aperture through said float, the width of said elongated aperture varying throughout its length in a plurality of step portions, and means for securing said member to said float for selective disposition of various preselected portions of said elongated aperture in axial alignment with the tubular aperture of said float.

2,571,809

MUTE FOR MUSICAL INSTRUMENTS

John A. Altosino, Chicago, Ill.

Application March 2, 1948, Serial No. 12,622
18 Claims. (Cl. 84—400)



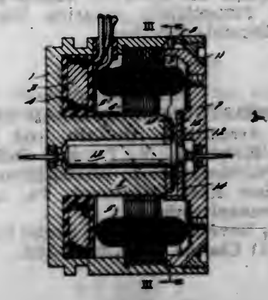
1. A metal jazz mute preferably aluminum for attachment to the outer rim of the bell of a wind instrument comprising a hollow shell closed at one end and open at the other end, said shell having holes in the sides at the open end, a top member attached to said shell at the open end thereof and having a rim and collar both of which have holes therein, said collar having rubber tubing on its outer edge, and rubber covered fasteners attached to said collar by rivets.

2,571,810

ROTARY ELECTRICAL TRANSMITTER

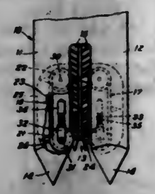
John H. Andresen, Jr., Greenwood Lake, N. Y., assignor, by mesne assignments, to Kollsman Instrument Corporation, Elmhurst, N. Y., a corporation of New York

Application January 12, 1950, Serial No. 138,230
5 Claims. (Cl. 171—252)



1. In a rotary electrical transmitter, a central cylindrical magnetic core, a multiphase magnetic stator surrounding said core and having pole faces adjacent thereto, a multiphase winding for energizing said stator to produce a magnetic flux extending from said pole faces and radially of said core, a skewed conducting rotor disposed between said pole faces and said core so as to link the flux therebetween, a single phase winding surrounding said core to be energized by the flux produced by the current induced in said rotor, and a magnetic wafer, adjustably mounted on said core, for minimizing irregularities in the flux paths between said pole faces and core so as to minimize the component of stator flux flowing longitudinally of the core.

2,571,811
HARVESTER GATHERER
Norman F. Andrews, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 9, 1947, Serial No. 753,437
4 Claims. (Cl. 198—162)



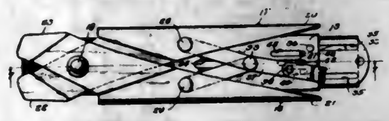
3. For a harvester gatherer having a pair of sheaves spaced apart and rotatable on generally parallel axes and respectively having peripheral grooves therein lying substantially in a common plane: a flexible endless member having an inner groove-engaging portion continuous lengthwise thereof and an outer lug-receiving portion continuous lengthwise thereof, said member adapted to be trained about the sheaves for seating of said inner portion in the sheave grooves; a plurality of material-engaging lugs spaced along and projecting outwardly from the outer portion of the member, each lug having an inner seating surface disposed lengthwise of the member and arcuately recessed from end to end on a radius shorter than the radius of the base circle of either sheave, said surface receiving the proximate part of the outer portion of the member; a plurality of clamping elements, one for each lug and securable thereto with the proximate part of the flexible member therebetween, each element having an outer convex portion engaging said proximate part of the flexible member to conform it to the lug recess, said convex portion being relatively short as compared with the length of the lug recess to cause the lug-carrying parts of the flexible member to hug the sheaves when passing around the sheaves; and a plurality of means for respectively securing the lugs and clamping elements together.

2,571,812
THERMOSTATIC OVERLOAD RELAY
George C. Armstrong, Buffalo, and Robert T. Basnett, Kenmore, N. Y., and Delbert Ellis, Beaver, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1949, Serial No. 124,742
11 Claims. (Cl. 200—122)



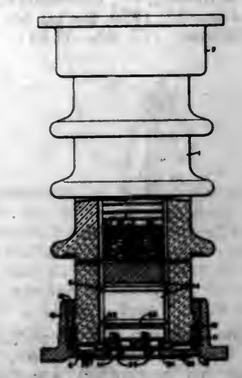
1. A relay, comprising an insulating body having cavity open toward one side of said body, thermostat means mounted on said body and extending into said cavity, stationary contact means engageable with said stationary contact movably disposed in said cavity and engageable by said thermostat means, said arm having an integral pivot element at its side facing the opening of said cavity and having movable contact means engageable with said stationary contact means, a biasing spring disposed in said cavity and engaging said arm, and a plate member attached to said body at said one side and extending over said cavity, said plate member having an integral pivot element engaging said arm pivot element so as to hold said arm and said spring in position.

2,571,813
HOG RINGER
Clarence L. Austin, Morrison, Ill.
Application August 17, 1950, Serial No. 180,024
10 Claims. (Cl. 128—332)



1. A magazine feed hog ringer for applying small, intermediate and large size standard hog rings, comprising: a hollow channel like frame and a guide member mounted in said frame to provide a magazine for a line of ring blanks; a follower to contact the rear blank in said magazine; a follower spring urging said follower forward to feed a line of ring blanks toward the front of the magazine; a pair of cross levers pivotally mounted on the frame with their handles flanking said frame, each of said cross levers having a forwardly extending jaw provided with a stop for said ring blanks and a crimping cam in rear of said stop; a cross head carried in the frame; a pivoted size adjuster arm on said cross head outside the frame, said arm having a pin adapted to extend through a longitudinal slot in the frame to limit the forward travel of the cross head; and links between said cross levers and said cross head.

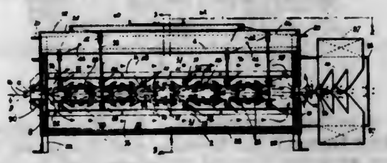
2,571,814
LIGHTNING ARRESTER
Edward F. W. Beck, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1949, Serial No. 122,437
3 Claims. (Cl. 175—30)



1. A lightning arrester comprising a cylindrical housing of insulating material, a plurality of spark gap devices and a plurality of valve-type resistance blocks disposed in a column in the

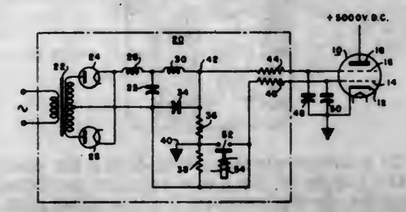
housing, metal cap means closing and sealing the bottom of the housing, said cap means including a central fusible element, and an electrode member below said column and spaced from said fusible element to form a spark gap therewith, the fusible element being adapted to burn through and vent the housing upon continued arcing in the last-mentioned spark gap.

2,571,815
APPARATUS FOR AND METHOD OF DRYING
Remi A. Benoit and Edouard Le B. Benoit, New York, N. Y.
Application July 12, 1947, Serial No. 760,604
17 Claims. (Cl. 34—18)



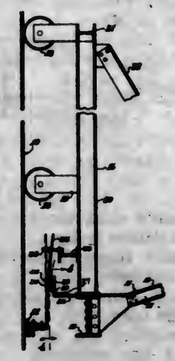
16. The method of drying sheet material of the class described which comprises passing the material between banks of heating units located in a heating chamber having openings in its front and rear ends through which the material enters and leaves the chamber, exhausting air from the chamber through said opening in the rear end thereof so as to cause air to flow through the chamber and to enter and leave the chamber through the openings in the front and rear ends thereof respectively, diverting portions of the air thus entering the chamber through bypass ducts extending over the outer sides of the banks of heating units, and directing the air passing through said ducts against the material as the material passes beyond said banks of heating units and approaches said opening in the rear end of the chamber.

2,571,816
TETRODE KEYING SYSTEM
Taylor A. Birckhead, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1949, Serial No. 114,755
8 Claims. (Cl. 250—27)



1. A bias voltage supply and keying control unit for use with multi-grid oscillator tubes, comprising a source of direct current potential at least equal to the maximum bias voltage required for any of said grids, a voltage divider network connected across said source, connections from said source adapted for connection to a pair of such grids, and circuit closing means for selectively short-circuiting a portion only of said voltage divider such that a bias voltage is applied to certain of said grids of sufficient magnitude to terminate the operation of said tubes.

2,571,817
SEAL FOR FLUID CONTAINERS
Edward T. Armstrong, Columbus, Ohio, assignor, by mesne assignments, to Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Application April 9, 1947, Serial No. 740,368
16 Claims. (Cl. 48—176)



1. Sealing means for a fluid storage reservoir of the shell and piston type, said sealing means comprising, a plurality of flexible staves supported adjacent the periphery of the piston in closely spaced relationship and extending axially of the shell, a fulcrum ring in a plane between the upper and lower ends of the staves, said fulcrum ring backing the staves, an elastomeric ring supported by the staves in a plane substantially parallel with but spaced from the fulcrum ring, means at the ends of the staves opposite the elastomeric ring flexing said ends inwardly and pressing the staves against the fulcrum ring whereby the elastomeric ring is forced outwardly into sealing contact with the shell, and a gas impermeable skirt joining the elastomeric ring with the piston.

2,571,818
LIMIT SWITCH
Herbert C. Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.
Application January 21, 1948, Serial No. 3,625
6 Claims. (Cl. 200—166)



2. In combination with a limit switch having an electrical switching element and a shaft for operating said element at predetermined angular positions of said shaft, a U-shaped springable actuating arm partially embracing said shaft, the legs of said U-shaped arm projecting laterally from said shaft and defining apertures for receiving an adjusting screw, and an adjusting screw positioned in said apertures and having threaded engagement with one of said legs to adjust the spacing between the ends of the legs of said arm, said switch having an operating member positioned opposite said actuating arm to be actuated by the end of one of the legs thereof.

2,571,819
PLIER TYPE SHOT SPLITTING TOOL
Henry C. Boel and Berthel C. Hallberg, Rockford, Ill., assignors to B. H. B. Mfg. Co. Inc., Rockford, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,964
2 Claims. (Cl. 81—15)



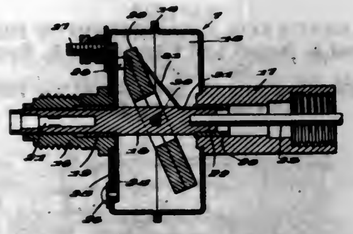
1. A fisherman's shot working tool utilized in releasing a shot sinker from a fish line, comprising a pair of pivotally interconnected elements having elongated opposed jaws thereon for movement toward and from one another with pivotal movement of the elements, one of said jaws having a recess between the side edges of the jaw opening toward the opposite jaw for receiving and positioning a shot sinker, at least one of the side walls between the recess and a side edge of the jaw being notched to receive the fishline upon which the shot is mounted, said opposite jaw having a cut-out providing a wedge shaped projection thereon at its end directed toward said recess in the first mentioned jaw, said projection extending laterally of the jaw, the edge of the wedge being in alinement with the notch and means for manually moving said jaws toward and away from each other to cut a groove in the shot sinker for releasing the shot sinker from the line.

2,571,820
REFRIGERANT COMPRESSOR
Benjamin W. Bogdan, Dedham, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1948, Serial No. 18,190
1 Claim. (Cl. 230—202)



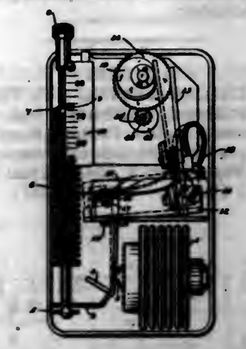
In a compressor having a valve plate with a straight suction slot therethrough and a straight discharge slot therethrough on each side of said suction slot and spaced therefrom and extending substantially parallel thereto, and having a cylinder head with a substantially straight rib extending between each of said discharge slots and said suction slot, the combination of a gasket between said head and plate, said gasket having slots in alignment with said suction and discharge slots, and having bent-up portions extending from the sides of said suction slot in said gasket alongside and in contact with said ribs.

2,571,821
BRAKE CONTROL SYSTEM
Frank H. Boesche and Leslie D. Staver, Washington, D. C., and Percy Le Roy Griffith, Montclair, N. J., assignors to Brake-Trol Corporation, Washington, D. C., a corporation of Delaware
Application January 5, 1948, Serial No. 492
8 Claims. (Cl. 200—80)



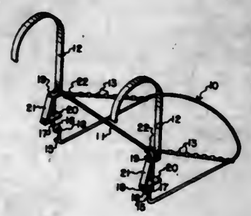
2. A switch comprising a housing, a shaft extending through the housing and journaled therein, an annular contact plate secured to one side of the housing, a rotor ring pivotally mounted on the shaft on an axis transversely of the axis of the shaft in position relative to the ring to overcome the action of gravity thereon and having a contact in position to engage the contact plate and a spring bearing against one side of the rotor normally tending to move the rotor to cause engagement of the contact with the contact plate and permitting movement of the contact away from the contact plate upon appreciable rotation of the shaft.

2,571,822
TEMPERATURE CONTROL SWITCH
Donald I. Bohn, Pittsburgh, Pa.
Application April 6, 1948, Serial No. 19,241
5 Claims. (Cl. 200—136.3)



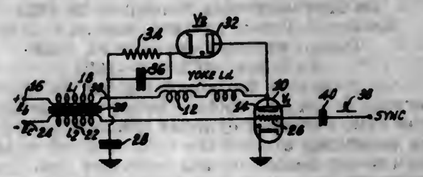
4. In a temperature control device for controlling the supply of heat to a room, a temperature responsive device, a lever, a pivotal support for said lever, said temperature responsive device engaging said lever for rocking it about said pivotal support in accordance with the expansion of said temperature responsive device in response to temperature rise in the room being controlled, a spring for biasing said lever against the action of said bellows, a member rigidly secured to and movable with said lever and carrying a first movable contact, an arm carried by said member and having a second movable contact secured thereto for engaging and disengaging said first movable contact, a cam having a surface engaged by said arm, a motor connected to and driving said cam, the connection from said motor to said cam being constructed to drive said cam at a speed of the order of one-quarter R. P. M., said cam during one portion of its rotation being in engagement with said arm and moving said second movable contact toward disengagement with said first contact and said first contact being moved toward disengagement with said second contact by expansion of said temperature responsive device in accordance with the setting of said biasing spring to effect engagement between said contacts for variable periods of time during each complete revolution of said cam.

2,571,823
COLLAPSIBLE OR FOLDING INFANT'S AUTO SEAT
Theodore H. Bonk, Tampa, Fla.
Application August 16, 1948, Serial No. 44,427
3 Claims. (Cl. 155—10)



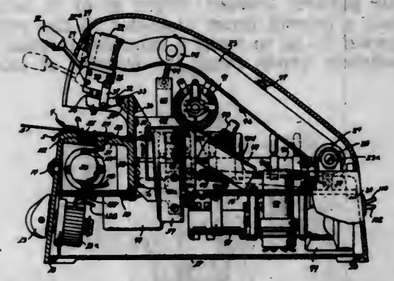
1. A child's carrier comprising a cloth-supporting frame structure comprising back and horizontal frames pivoted together the back frame embodying a horizontal cross bar and vertical side members, supporting hooks for the frame structure, each supporting hook having a pair of horizontal and vertically spaced aligned apertured portions in which is journaled one side of the back frame member with the upper of said apertured portions engaging the horizontal cross bar of the back frame, chains secured at one end to opposed sides of the horizontal frame, and snap fasteners on the back frame and engageable with selected links of said chains for securing the horizontal frame member at selected positions of angular adjustment with respect to the back frame.

2,571,824
GASEOUS DISCHARGE CIRCUIT
Malcolm R. Boyd, Hightstown, and Louis Malter, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 25, 1949, Serial No. 112,211
14 Claims. (Cl. 315—27)



1. In an electrical circuit the combination comprising a gaseous discharge tube having at least an anode, a cathode and control electrode, an output circuit connected between the anode and cathode of said discharge tube, an input circuit connected between the control electrode and cathode of said discharge tube, an inductive element connected in the output circuit of said discharge tube, a unilaterally conductive damping circuit connected in shunt with said inductive element, means for applying timing pulses to the input circuit of said discharge tube for effecting periodic control thereof, means responsive to output circuit current variations upon conduction of said discharge tube to develop a control signal having positive and negative extremities, and means for applying said control signal to the control electrode of said discharge tube such that the negative extremity of said control signal is active to swing said control grid negatively with respect to the cathode of said discharge tube just prior to conduction of said discharge tube.

2,571,825
PRINTING DEVICE
Alton E. Bowers, Reading, Pa.
Application January 5, 1948, Serial No. 602
16 Claims. (Cl. 95—1.1)

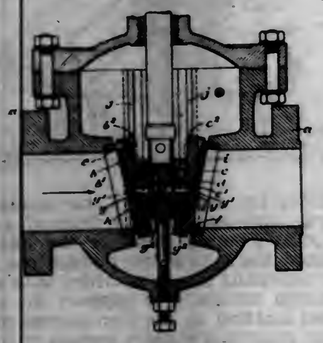


1. A device for applying an ink-printed mark to the rear non-sensitized surface of a photographic print-forming sheet or the like and a light-printed mark to a front sensitized portion thereof, comprising means provided with a transparent platen arranged to support the sheet in determined location on the transparent platen so that a non-sensitized surface section of the sheet is in overlying printing position adjacent the printing surface of said platen for application thereto of an ink-printed mark, a stamping member, means arranged to apply ink to said member, means movably mounting the stamping member for actuation into and out of printing contact with said non-sensitized surface section supported on and overlying said platen, selectively adjustable magnetic actuating means arranged to effect movement of the stamping member into printing contact with said non-sensitized surface section and means for effecting light printed marking through said transparent platen substantially in unison with the operation of said stamping member.

2,571,826
VALVE FOR CONTROLLING THE FLOW OF GASEOUS OR LIQUID MEDIA
William Boyd, Brighouse, England, assignor to J. Blakeborough & Sons, Limited, Brighouse, England
Application March 12, 1947, Serial No. 734,172
In Great Britain June 14, 1946
3 Claims. (Cl. 251—65)

1. In a control valve having a valve body provided with an internal valve chamber and an upstream and a downstream conduit, respectively, extending from opposite sides into the valve chamber to form valve openings, in combination two valve seats spaced apart in said valve body and respectively disposed at the inner opposite ends of the two conduits; two valve closure members respectively disposed adjacent to said two valve seats and each being movable toward one of

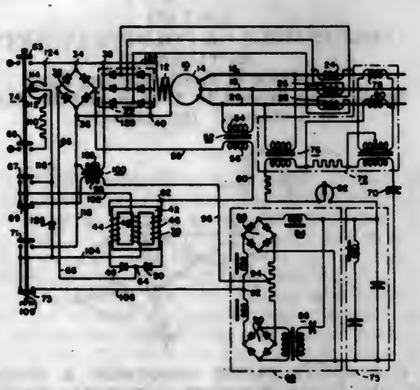
the latter to effect closure of the respectively adjacent valve seat; valve operating means operatively connected to both of the valve closure members for simultaneously moving the latter between a closed position seated on said two valve seats and an open position off said valve seats and back again, each of said two valve closure members being formed with a passage extending therethrough and communicating with one of the valve conduits and with the valve chamber; a pair of tubular members each having opposite open ends and each being connected to one of said valve closure members with the openings in said tubular members respectively communicating with the passages of said valve closure members, said tubular members each having an end portion located opposite to an end portion of othe other tubular member and located in said valve chamber, and each tubular member having a first inner diameter in said end portion thereof which is of a larger size than a second inner diameter in the remainder thereof so as to form a shoulder in said tubular members which faces the interior of said valve



chamber; and an elongated double valve member having opposite end portions and a central portion located between said end portions thereof, said end portions of said double valve member being at least as thick as said central portion thereof and being of a smaller thickness than said first inner diameter of said tubular members and of a larger thickness than said second inner diameter of said tubular members, said double valve member being of a greater length than the distance between said end portions of said tubular members and of a shorter length than the distance between said shoulders of said tubular members and being located within said end portions of said tubular members, whereby, when said valve closure members are in closed position, fluid pressure in the upstream conduit acts on one end portion of said double valve member to move the other end portion of said double valve member into sealing engagement with the shoulder of said tubular member associated with the downstream conduit so that the interior of said valve chamber is in communication with said upstream conduit.

2,571,827
REGULATING SYSTEM
Schuyler L. Bradley, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1950, Serial No. 163,238
9 Claims. (Cl. 322—25)

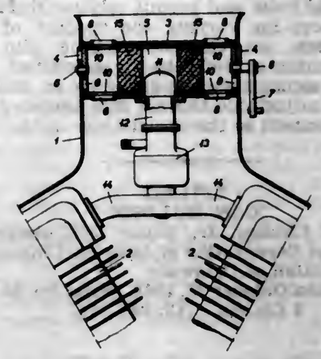
1. In a regulating system for a generator having a field winding and disposed to supply a three-phase load circuit, the combination comprising, current transformers disposed to be energized in response to the flow of current in the load circuit, three-phase dry type rectifiers connected in circuit relation between the current transformers and the field winding to energize the field winding in accordance with the load supplied, a full-wave rectifier connected in parallel circuit relation with the three-phase rectifiers to supply the field winding, a source of alternating-current potential, a self-saturating reactor having alternating-current windings and a direct-current control winding, the alternating-



current windings being connected in circuit relation between the source of alternating-current potential and the full-wave rectifier, a source of direct-current energy, a static network connected to the load circuit and disposed to have a directional direct-current output in accordance with a departure of an electrical quantity of the load circuit from a predetermined value, and switching means disposed to be operated to selectively connect the direct-current control winding of the reactor to said source of direct-current energy or the direct-current output of the static network.

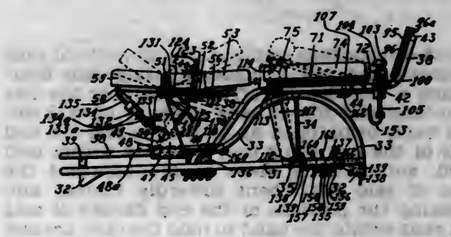
2,571,828
ARRANGEMENT OF THE AIR INLET TO THE CARBURETOR OF AIR-COOLED ENGINES WITH THE CYLINDERS IN V
Rudolf Břeček, Prague-Smichov, Czechoslovakia, assignor to Tatra narodni podnik, Koprivnice, Czechoslovakia
Application February 27, 1948, Serial No. 11,781
In Czechoslovakia December 30, 1938
Section 1, Public Law 690, August 8, 1946
Patent expires December 30, 1958
2 Claims. (Cl. 123—122)

1. In a device for supplying air to the carburetter of an air cooled internal combustion engine with V-shaped cylinder arrangement, a casing extending around the cylinders for conducting the air heated by the cylinders into the atmosphere, a hollow cylindrical body extending transversely through said casing, a hollow cylindrical valve member rotatably adjustable in said hollow cylindrical body, means for rotatably adjusting said valve member, said cylindrical valve member having apertures in its end walls and in its cylindrical wall adapted to be brought into communication with corresponding apertures in said casing and said hollow cylindrical body respectively, to selectively admit cold atmospheric air, heated air from the inside of said casing, and a mixture of said atmospheric air and heated air into said valve member, and means for con-



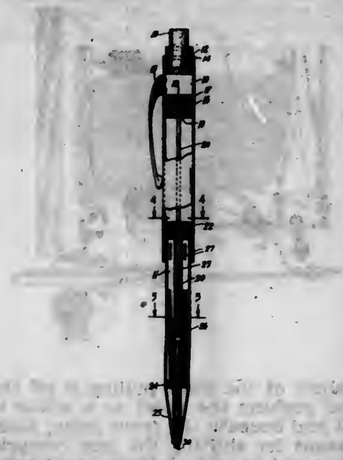
ducting the air from said hollow cylindrical valve member to the carburetter of the engine.

2,571,829
CHIROPRACTIC ADJUSTMENT TABLE
Thomas C. Buckley, Wichita, Kans.
Application January 13, 1947, Serial No. 721,810
1 Claim. (Cl. 311—7)



In a chiropractic adjusting table of the kind described; said table having in combination, a primary base frame and a rockable U-shaped secondary frame having substantially Z-legs that are parallel and are in registry with each other, said primary frame having vertically positioned supports stationed thereon at the foot end of the frame and being positioned between the said supports and the upper legs of the Z formations of the secondary frame being pivotally mounted on the uppermost portion of the said supports, a slide support frame, said slide support frame being slidably carried on the lower legs of the Z formation of the secondary frame, said slide frame being substantially the same height as the said Z formation, individual head, chest, abdominal, hip, leg and foot cushions, a foot platform, and a frame for each of said cushions, the foot end of the head cushion support frame and the head end of the chest and abdominal cushion support frames being pivotally mounted on the upper end of said supports on the said slide frame, the hip and leg cushion support frame being pivotally mounted at its foot end and being slidable longitudinally on the said secondary frame, and means rigidly carried by the said secondary frame for the support of the foot support cushion, said foot platform being adjustably carried by the foot end of the said secondary frame and at an angle obtuse to the general linear dimension of the secondary frame, said foot platform being adjustable toward and away from the said foot support cushion, and means for sliding and holding the said slide frames and hip and leg cushion support in adjusted positions on the secondary frame.

2,571,830
TELESCOPING PENCIL
Paul W. Buell, Elmira, N. Y., assignor to Point-O-Matic Pencil Co., Inc., Elmira, N. Y., a corporation of New York
Application January 2, 1948, Serial No. 6
1 Claim. (Cl. 120—14.9)

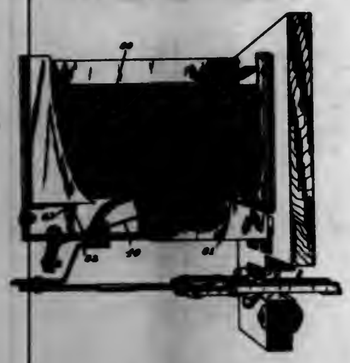


A mechanical pencil comprising interfitting upper and lower detachable cylindrical barrels, one of said barrels being fluted to provide annularly spaced vertical ridges for frictional engagement with the other barrel to provide telescopic movement therebetween; a guide disk in the lower barrel, a lead tube supported in said disk concentrically of the lower barrel and slotted at its lower end for frictionally holding lead, said lead tube extending substantially the length of said lower barrel to define with the barrel a storage space for leads above the guide disk, a plug in the upper end of the lower barrel fitting about said lead tube and removable to provide access to said storage space, a recessed plug fixed in said upper barrel, a spring in the recess of the plug, a feed rod depending from said spring and extending into the lead tube above a lead disposed therein, and a disk closing the recess in said recessed plug and imprisoning said spring and said spring being compressible upon relative telescopic movement of said barrels and expandable to project lead beyond the end of the lead tube through said feed rod.

2,571,831
ENVELOPE DISPENSER
Robert M. Cain, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application March 11, 1948, Serial No. 14,251
2 Claims. (Cl. 312—56)

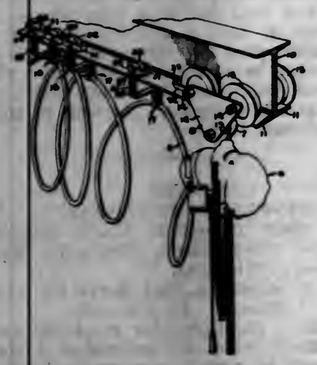
1. In a sheet dispenser for releasing and delivering a sheet from the bottom of a stack of sheets, a stack support comprising a front ledge and a rear ledge, the portion of the bottom sheet between the ledges being exposed; a cam member movable longitudinally beneath the bottom sheet from a position adjacent the front ledge toward the rear ledge and back to the front ledge; said cam member having a forward friction ele-

ment and a rear friction element directed toward the bottom sheet of the stack and normally disengaged therefrom; means for moving said cam member toward the rear ledge; additional means shifting said cam member during said rearward movement to bring the forward friction element into contact with the bottom sheet of the stack and pulling it off the front ledge; said cam member shifting in an opposite direction during return movement thereof toward the front to bring the rear friction element into contact with the



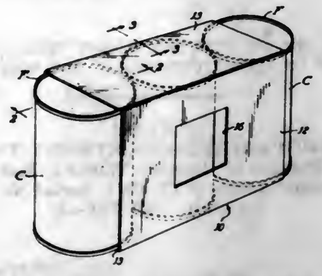
bottom sheet of the stack pulling it off the rear ledge and pushing the sheet as a whole toward the front and beneath the front ledge; said additional means for shifting the cam comprising a platform, a slot in said platform; said cam moving in said slot; extensions from said platform entering said slot, and extensions from said cam member cooperating with the extensions of the platform and the recesses between said last-mentioned extensions to shift said cam as the same is moved.

2,571,832
MOBILE SUPPORT FOR FLEXIBLE POWER SUPPLYING ELEMENTS
William S. Chapin, Jr., Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application February 23, 1949, Serial No. 77,966
1 Claim. (Cl. 191—12)



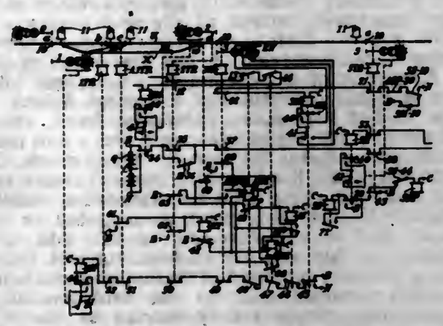
A mobile carrier for supporting the flexible power supplying element of power-driven apparatus mounted on a carriage operating on an overhead track, said carrier having a frame comprising a pair of L-shaped members assembled with their horizontal legs in overlapping relation and secured together by through bolts, said horizontal legs being slotted longitudinally to accommodate said bolts and permit relative shifting of the members for varying the spacing of their upright legs, an element-gripping clip, and means securing said clip to the assembled members, said securing means engaging in said slots and being adjustable therein into centered relation with respect to the upright legs of the members.

2,571,833
CAN HOLDER
Francis A. Chidsey, Jr., Ithan, Del., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application October 23, 1948, Serial No. 56,239
3 Claims. (Cl. 206—46)



1. A can package comprising a plurality of cans arranged in a row, a holder for said cans comprising a closed band of paperboard or the like encircling said row of cans centrally of said row said band being open at both ends and the end cans of the row being only partially within said band, and securing flaps hinged adjacent the ends of said band bent inwardly thereof and engaging the portions of the end flanges of said end cans within the band to hold the cans against removal.

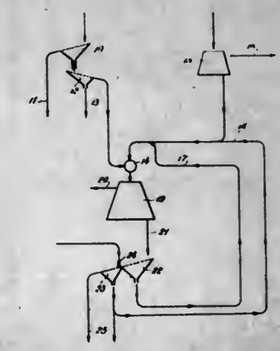
2,571,834
RAILWAY SIGNAL CONTROL SYSTEM
William H. Claus, Downers Grove, Ill., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application September 25, 1947, Serial No. 776,089
5 Claims. (Cl. 246—33)



1. In a control system for signals for a stretch of railway track, including a first signal adjacent one end of said stretch for governing traffic movements in a given direction over said stretch, and including a second signal adjacent the opposite end of said stretch for governing traffic move-

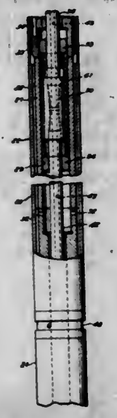
ments in the opposite direction over the same track, the combination comprising, an overlap track section in the rear of each of said signals, a track circuit for each of said sections each including a track relay, time element means for each of said overlap track sections each controlled by a back contact of the track relay for its overlap track section, control means for said first signal including a front contact of the track relay for the overlap section in the rear of said second signal, control means for said second signal including a front contact of the track relay for the overlap section in the rear of said first signal, a stick relay for each of said overlap track sections, a pick-up and a stick circuit for each of said stick relays each controlled by a back contact of the track relay for the associated overlap track section and each of said pick-up circuits also controlled by a contact of the time element means for the associated overlap track section upon the lapse of a measured period of time after such time element means becomes energized, and a front contact of each of said stick relays connected in multiple with the said front contact of the track relay for the associated overlap track section in the said control means for said first or said second signal.

2,571,835
SEPARATION OF MINERAL MIXTURES
Jørgen Olav Cleemann, Copenhagen, Denmark, assignor, by mesne assignments, to Separation Process Company, Catasauqua, Pa., a corporation of Delaware
Application March 21, 1946, Serial No. 656,049
In Denmark March 23, 1945
1 Claim. (Cl. 209—173)



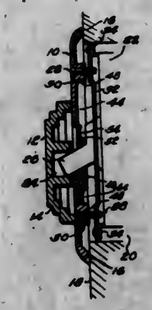
A method of separating a mineral material containing components of different specific gravities into fractions made up mainly of light and heavy particles, respectively, which comprises preparing a parting liquid by forming an aqueous suspension of at least one finely ground substance, subjecting the parting liquid to centrifugal separation to remove oversize particles and reduce the water content, mixing the ground material to be treated with the parting liquid, separating the mixture by centrifugal action into two fractions, each containing some of the parting liquid and one containing the major part of the light particles and the other the major part of the heavy particles, separating the particles in at least one of the fractions from the parting liquid contained therein to recover undiluted parting liquid, washing the separated particles to recover diluted parting liquid therefrom, and adding to the parting liquid of reduced water content at least a portion of the recovered undiluted parting liquid and so much of the recovered diluted parting liquid as is necessary to produce a parting liquid suitable for mixing with the material to be treated and having a specific gravity less than that of the heavy particles in the material but not substantially less than the lighter particles therein.

2,571,836
FLUID OPERATED PUMPING DEVICE
Clarence J. Coberly, Los Angeles, Calif., assignor, by mesne assignments, to Dresser Equipment Co., Cleveland, Ohio, a corporation of Ohio
Application March 23, 1946, Serial No. 656,712
8 Claims. (Cl. 103—46)



1. In a fluid operated pump, the combination of: a motor cylinder; a motor piston in said motor cylinder; a pump cylinder; a pump piston in said pump cylinder, one of said pistons having a movable sleeve element having a chamber therein and having a movable plunger element in said chamber and movable relative to said sleeve element, said plunger element being shorter than said chamber to provide a space therebetween at both ends, said plunger element being of smaller diameter than said chamber so as to provide an annular clearance therebetween connecting said spaces; and piston rod means connecting said plunger element and the other of said pistons.

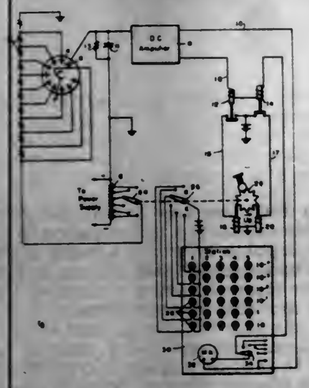
2,571,837
ELECTRIC SWITCH OPERATING DEVICE
Jacob G. Coles, New York, N. Y.
Application June 15, 1948, Serial No. 33,166
4 Claims. (Cl. 200—172)



1. Means for actuating an electric switch having movable operating means, comprising a base arranged over the switch and provided with an

aperture through which the operating means projects, said base having an inner face provided with spaced parallel guides, an actuating member having an inner face slidable over the adjacent face of said base and having portions engageable with said operating means to operate the switch upon movement of said actuating device parallel to said guides, and a spring engaging the inner face of said base and secured to said actuating member through said aperture, said spring engaging the inner face of said base at points spaced apart longitudinally of said guides and having spaced parallel edge portions engaging said guides throughout a substantial portion of the lengths thereof to prevent rotation of said spring relative to said base.

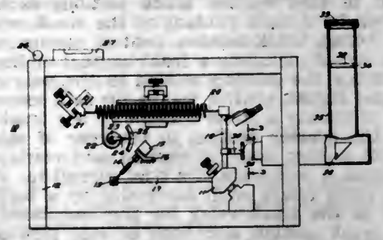
2,571,838
CONTROL MEANS FOR RADIATION DETECTORS
John C. Conner, Wilkinsburg, Pa., and Ted Fahrner, Whittier, Calif., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1949, Serial No. 130,954
4 Claims. (Cl. 250—209)



1. In combination, a photomultiplier tube, connections for applying a potential to said tube, control means capable of regulating the potential applied to said connections, a primary output circuit for transmitting current dependent on the output of said tube, said primary output circuit having connected therein a first relay responsive to a predetermined minimum current, a second relay responsive to a predetermined maximum current, and a current meter, a secondary output circuit having connected therein, translating means responsive to the current in said secondary output circuit, and connections between said translating means and said control means for actuating said control means, means responsive to said secondary output circuit for registering the potential applied to said connections.

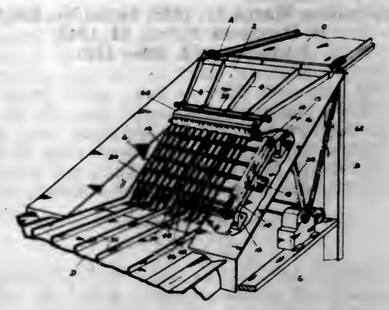
2,571,839
INDEX FOR SENSITIVE MEASURING INSTRUMENTS
George E. Conover, Garland, and Carroll D. McClure, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 3, 1947, Serial No. 789,484
3 Claims. (Cl. 116—136.5)

1. An index for an optical system for detecting minute movements of a member thereof comprising a light-transmitting element having two faces thereof parallel to each other and one edge thereof perpendicular to said parallel faces, said edge being highly polished for appearance under high magnification as a fine line, said optical



system including a scale located in a predetermined position, magnifying means for projecting onto said scale an image of said edge, and an observing means including magnifying lenses for observing the position of said polished edge with reference to said scale.

2,571,840
ARTICLE STACKER
Harvey P. Curlee, Raleigh, N. C., assignor to Curlee Machinery Company, Inc., a corporation of North Carolina
Application March 2, 1948, Serial No. 12,663
9 Claims. (Cl. 198—35)

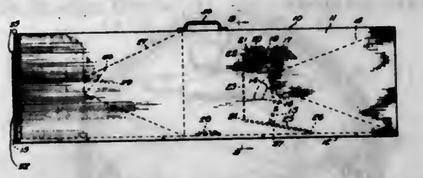


1. In an article stacking machine having means for transporting articles lying flatly upon a table forming an upper horizontal plane to a standing on edge position upon a table forming a lower horizontal plane, said means comprising a first chute-like slide member having its upper edge adjacent said upper plane and being inclined toward said lower plane, and a linearly traveling pocket forming member acting as a means for retarding the free gravity fall of the articles extending from the lower edge of said slide member in substantially a continuation of the plane of said slide member to said lower table forming the lower horizontal plane.

2,571,841
ANIMAL TRAP
William Grant Dague, Claysville, Pa.
Application July 8, 1947, Serial No. 759,659
3 Claims. (Cl. 43—67)

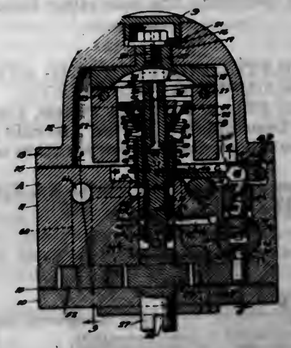
1. A trap comprising a foraminous cage, a foraminous tunnel carried thereby forming the entrance thereto and having a discharge opening in its lower wall and elevated with respect to the bottom of the cage, leading to the interior

of the cage, a closure for said opening, a platform beneath said opening and closure pivoted to the cage adjacent the base thereof, a lever pivoted to the cage, a generally U-shaped link pivoted to the lever and straddling the tunnel and pivoted to said closure, and linkage pivoted



to the lever on the other side of its axis to the said link and also pivoted to the platform, said platform, lever, link and linkage balancing said closure in an open position whereby the closure will close said opening while said platform is subjected to the weight of a trapped animal.

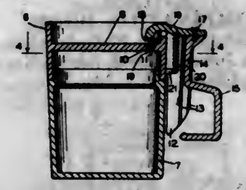
2,571,842
GOVERNOR MECHANISM
Joseph S. Dale, Rockford, Ill.
Application March 18, 1946, Serial No. 655,086
4 Claims. (Cl. 264—14)



1. In a speed governor adapted for use with a hydraulic servomotor to control the speed of a prime mover, control apparatus comprising a shaft adapted to be rotated by the prime mover and having thereon a pair of spaced lands, said shaft being held against axial movement, fly weights mounted on said shaft for rotation thereby, a speeder spring, a slidable valve tube mounted coaxially with the shaft and supported by the speeder spring, said tube being secured against rotation and operative to provide a chamber between said lands, inlet and outlet ports in said valve tube, and means carried by the fly weights for moving said valve tube against the force of said spring operative to vary the relative position of one of the lands and the outlet port and thereby to control the flow of fluid between the chamber and the servomotor.

2,571,843
ANTISPILL DEVICE FOR LIQUID CONTAINERS
Wallace S. Dale, Minneapolis, Minn.
Application April 3, 1948, Serial No. 18,736
2 Claims. (Cl. 65—13)

2. An anti-spill device for liquid containers comprising a top closure constructed to be removably secured in sealed relation to the top portion of an opened top container, said closure having an outlet opening formed therein and a relatively small air vent formed therein in spaced relation to said outlet opening, a mounting bracket secured to one side of the closure, a slide mounted for substantial vertical shifting movement in said bracket, a valve fixed to the top of said slide and disposed in overlying alignment



with said vent, a resilient element interconnecting said bracket and said slide for normally urging said slide into retracted position and said valve into seated position on said vent, and a gripping handle fixed to said slide to shift the same upwardly when a container is connected to said closure and is lifted by said handle.

2,571,844
CERAMIC COMPOSITION
André Danzin and Jean Calis, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
No Drawing. Application June 15, 1948, Serial No. 33,235. In France July 19, 1947
6 Claims. (Cl. 106—46)

3. A fired ceramic material having a coefficient of expansion in the range between 45×10^{-7} and 60×10^{-7}, which comprises kaolin, clay, about 27–39% calcined alumina and a minor amount of an alkaline earth fluxing agent.

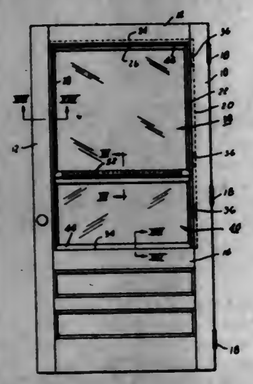
2,571,845
TUBE SOCKET STRUCTURE
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 7, 1947, Serial No. 753,251
2 Claims. (Cl. 173—328)



1. In a socket structure for use with a device having contact prongs, a socket body of insulating material having a substantially cylindrical prong-receiving bore extending from one face for a substantial distance into the socket body, a substantially rectangular slot-like aperture tangentially intersecting said bore and extending from said one face of the socket body to the end of said bore and providing an opening into said bore along the line of the tangential intersection extending from said one face to the base of the bore and providing opposing grooves adjacent the opening, and a passage from the base of said aperture extending through the opposite face of the socket body, whereby an elongated contact element with a terminal portion at one end, an angularly disposed contact portion at the opposite end, and opposed lateral wing extensions adjacent said contact portion

may be inserted into said aperture with the terminal portion extending through said passage, the wing extensions disposed in said grooves, and the contact portion extending at an angle through said opening in said bore.

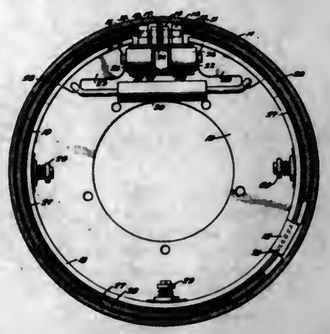
2,571,846
COMBINATION DOOR
John di Giallerenzo, Philadelphia, Pa.
Application June 29, 1948, Serial No. 35,771
1 Claim. (Cl. 20—36)



A combination door comprising a first stile, a second stile, an upper rail and a lower rail, all co-acting to define an opening, an upper closure for the upper portion of said opening, a lower closure for the lower portion of said opening, there being a first groove of a predetermined depth in the edge of said first stile which faces said opening and a second groove of a greater depth in the edge of said second stile which faces said opening whereby said upper and lower closures may be moved into said second groove so that their opposite edges clear said first groove, springs in said second groove biasing said closures in the direction of said first stile, a wall structure defining a channel in the lower edge of said upper closure for receiving the upper edge of said lower closure, there being a third groove formed in said upper rail, the depth of said third groove being greater than the depth of said channel whereby, said upper closure may be moved upwardly until said channel clears the upper edge of said lower closure, and whereby, when said lower closure rests on said lower rail with its upper edge seated in said channel, the upper edge of said upper closure will be engaged in said third groove, and a single abutment carried by said lower rail and located outwardly of that portion of the lower rail which supports said lower closure when the latter is in position on said lower rail whereby when said upper closure is moved up to disengage said channel from said lower closure, said lower closure may be moved into said second groove until its opposite edge clears said first groove whereupon said lower closure may be removed from said opening in a direction away from said abutment.

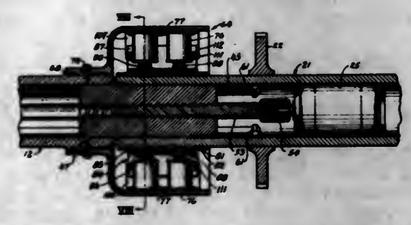
2,571,847
BRAKE
Adiel Y. Dodge, Rockford, Ill.
Application July 12, 1949, Serial No. 104,201
12 Claims. (Cl. 188—79.5)

1. A brake comprising a support, a flexible operating band carried by the support with its ends separated, actuating means carried by the support to spread the ends of the band, a first abutment on the support adjacent to the actuating means, a second abutment on the support spaced from the first abutment, a single brake



segment between the abutments at one side of the first abutment and slidably overlying the operating band, and a series of brake segments in series abutting relationship between the abutments at the other side of the first abutment and slidably overlying the operating band.

2,571,848
APPARATUS FOR COUPLING AND UNCOUPLING PROPELLERS
Otto William Ehlers, Hermosa Beach, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application June 14, 1946, Serial No. 676,783
12 Claims. (Cl. 192—67)



1. Means for coupling and uncoupling a rotatable propeller drive shaft having a bore therein and a gas turbine drive shaft coaxially aligned therewith and also having a bore therein comprising means for effecting substantial synchronization between the speeds of rotation of said propeller drive shaft and the speed of rotation of said gas turbine engine drive shaft, and coupler means adapted to move within the bores of said drive shafts when they are rotating in substantial synchronism to effect coupling and uncoupling of said drive shafts.

2,571,849
ANTIBACTERIAL COMPOSITION
William O. Elson, Chicago, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application March 17, 1949, Serial No. 82,020
4 Claims. (Cl. 167—63)

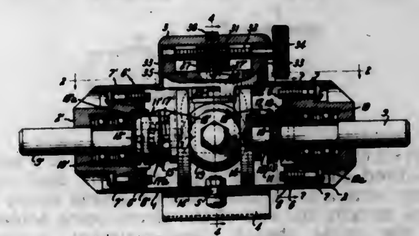
1. An antibacterial composition, having a synergistic effect, comprising tyrothricin and 5-nitro-2-furaldehyde semicarbazone.

2,571,850
DISTRIBUTOR FOR BITUMINOUS AND LIKE MATERIALS
Samuel R. Etnyre, Oregon, Ill., assignor to E. D. Etnyre & Co., Oregon, Ill., a corporation of Illinois
Application October 15, 1947, Serial No. 780,017
13 Claims. (Cl. 299—34)



1. A distributor bar for bituminous and like materials having axially alined main and end sections, valved outlets spaced apart longitudinally of said sections, a flexible auxiliary section interposed between each end section and the main section permitting deflection of the end sections relative to the main section, said auxiliary sections having valved outlets, operating linkages for the valved outlets of each section, the linkages of said auxiliary sections connecting the linkages of said main and end sections and including pivotally interconnected members operative to transmit the movements of one linkage to the other when the end section of the bar has been deflected from its normal position.

2,571,851
VARIABLE RATIO SPEED CHANGER
Frederick K. Floyd and Alfred E. Custer, Denver, Colo., assignors to Metron Instrument Company, Denver, Colo., a corporation of Colorado
Application August 29, 1949, Serial No. 112,934
9 Claims. (Cl. 74—200)



1. In a variable speed changer, a casing, a shaft extending into said casing, a disk with a toroidal inner face journalled upon the inner end of said shaft, a ball bearing having an outer race carried by said casing and an inner race supporting said shaft, and means for coupling said disk to said shaft for rotation thereby; said coupling means comprising a ferrule keyed to said shaft, a cam within and fixed to said ferrule, a cylindrical cam section at the outer face of said disk and within said ferrule, said cam and cam section having complementary and opposed cam surfaces for moving said disk inwardly along said shaft upon relative rotation of said shaft and said disk, a ring assembly of steel balls between said opposed cam surfaces, said balls being retained against radial displacement by said shaft and said ferrule respectively, and means limiting axial displacement of said disk to less than the throw of said cam surfaces.

2,571,852
SUBSTITUTED AMINO ANALOGS OF PANTOTHENIC ACID AND PROCESS
Karl Folkers, Plainfield, and Frederick W. Holly, Cranford, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 20, 1949, Serial No. 88,697
13 Claims. (Cl. 260—482)

1. As a new physiologically active chemical compound ethyl β'-(α-amino-β,β-dimethyl-γ-hydroxybutyrylamino)-propionate and strong mineral acid salts thereof.

2,571,853
INDICATOR SUPPORT
Anthony Fontecchio, Iron Mountain, Mich., assignor of fifty per cent to Rudolph Manci, Iron Mountain, Mich.
Application August 24, 1946, Serial No. 692,850
3 Claims. (Cl. 248—124)

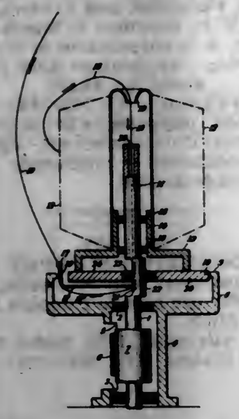


3. An indicator support comprising a tapered shank, a bore in said shank having a shaft journaled therein and having a portion extending therefrom, means for limiting the axial movement of said shaft, means for locking said shaft in selected positions of rotation, an arm, means for detachably securing said arm to said extending portion of said shaft, anti-friction bearings secured in said bore supporting said shaft, said axial travel limiting means comprising shoulders on said shaft engaging said bearings, and said locking means including a threaded aperture in said shank having friction locking means therein engaging said shaft.

2,571,854
TWISTING OF TEXTILE AND OTHER YARNS, THREADS AND FILAMENTS
John Raymond Foster, Helmshore, Rossendale, England, assignor to T. M. M. (Research) Limited, Helmshore, Rossendale, England
Application January 6, 1951, Serial No. 204,715
In Great Britain January 10, 1950
9 Claims. (Cl. 57—58)

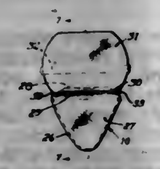
1. A twisting device, for twisting yarns, threads or filaments comprising, in combination, a hollow spindle, a package support surrounding the spindle, a flyer, flyer driving means, the hollow spindle directing the yarn from the package to the flyer and the flyer directing the yarn to define a balloon which envelopes the package, the package support and the upper end of the spindle, and a mechanical reduction train connecting the flyer driving means with the package support to control the rotary motion of the package support, limiting it to a lesser value algebraically than that of the flyer, said train comprising a non-rotary, circular race member, a rotary member having driving relation to the package support,

said rotary member being eccentric to the race member and having rolling contact therewith,



and means driving the axis of one of said members in a circular path about the axis of the other.

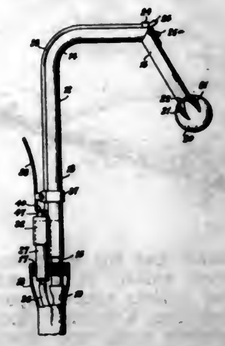
2,571,855
POWDER PUFF
Louise Miller Fox, New York, N. Y.
Application August 1, 1946, Serial No. 687,742
1 Claim. (Cl. 15—209)



In a powder puff having an elongated hollow body enclosing a filler pad, inwardly projected crevices formed in diametrically opposite sides of the body in lateral alignment with each other, a single line of stitches extended laterally across the body between the inner ends of the crevices dividing the puff into a larger patting portion and a smaller handle portion and forming a hinge line between the portions, a piece of stiffening material within said handle portion stiffening the same, said piece of stiffening material having an edge portion adjacent said patting portion extended into said patting portion and through which said stitches pass so as to reduce the flexibility of said hinge line to retain said patting portion on a common plane with said handle portion, and a handle ribbon secured in position across one face of said patting portion parallel to said line of stitches and substantially mid-way between said line of stitches and the free end of said patting portion.

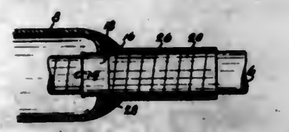
2,571,856
DENTAL APPLIANCE
Hyman Freedman, New York, N. Y.
Application June 15, 1949, Serial No. 99,247
12 Claims. (Cl. 32—33)

1. In a dental appliance, an ejector tube, a fluid injector tube connected to and extending along said ejector tube, supply pipes for the injector tube, a suction pipe for connection to the ejector tube, valves interposed between the supply pipes and the injector tube, and coupling means comprising separable members telescopically fitted together and enclosing said valves, said coupling means attaching the injector tube to the supply pipes and coupling the ejector tube to the suction pipe, such coupling means further



permitting separation of the injector tube from the supply pipes and separation of the ejector tube from the suction pipe while retaining the ejector and injection tubes together as a unit and means coacting with said valves to maintain the same closed while said unit is separated from the supply and suction pipes.

2,571,857
MEANS FOR EFFECTING CABLE JOINTS
Vernon L. Garrison, Clifton, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application September 28, 1948, Serial No. 51,560
1 Claim. (Cl. 287—20.2)

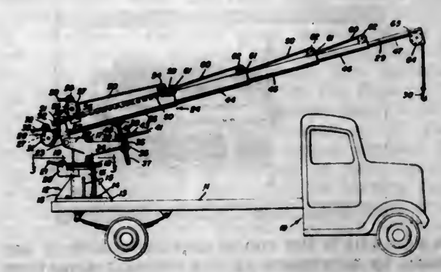


In an electric cable, the combination of a metal sheathed cable and a joint therefor, said joint comprising a joint sleeve snugly fitting about the cable sheath, the end of the sleeve being soldered to the cable sheath, heat-resistant material wrapped about the cable sheath said material extending rearwardly from the joint sleeve for a substantial distance along the sheath, and a metal sleeve about the heat-resistant material wiped to the joint sleeve.

2,571,858
BOOM FOR LIGHT HOISTING
Claude B. Garland, Compton, Calif., assignor to Garland Crane Company, Long Beach, Calif., a partnership
Application November 4, 1947, Serial No. 782,865
5 Claims. (Cl. 212—55)

1. A hoisting boom comprising at least two telescoping pipe sections, a first of which is adapted for pivotal mounting on a base member, and a second of which is telescopically received within said first section, said second section being sufficiently smaller in diameter than said

first section to leave a clearance space therebetween, a spacer on the inner end portion of said second section having bearing on the inside of the first section, said spacer positioning said pipe sections with an uninterrupted cable channel space extending longitudinally therebetween from said spacer to the forward end portion of said



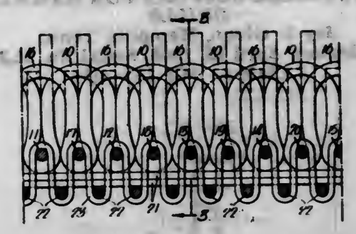
first pipe section, and cable and pulley means for extending the second pipe section from the first including a pulley mounted on the forward end portion of the first pipe section and a cable trained over said pulley and extended rearwardly in said uninterrupted cable channel space to an operative connection with the rearward end portion of the second pipe section.

2,571,859
ELECTRIC SWITCH CASING
Frederic P. Gates, Toronto, Ontario, Canada, assignor to The Arrow-Hart & Hegman Electric Co., Hartford, Conn., a corporation of Connecticut
Original application April 29, 1944, Serial No. 533,355. Divided and this application April 1, 1948, Serial No. 18,428. In Canada May 29, 1944
4 Claims. (Cl. 174—53)



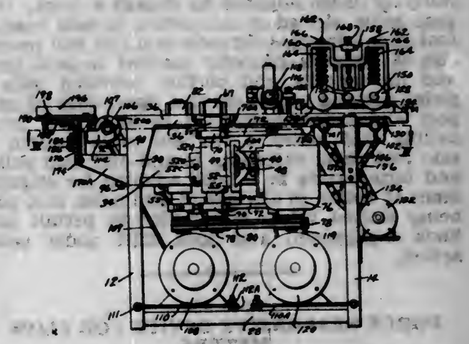
1. A casing for an electric switch of the class wherein a switch operating spindle carries a contact operating member which conceals and prevents access to contacts beneath said member after the switch is assembled in the casing but wherein inspection and adjustment of the contacts are necessary after such assembling, said casing comprising a hollow insulating base having side walls, a bottom wall and an open top, a recess in a side wall of size and dimension to permit inspection and adjustment of the switch contacts, a cover member extending over said base and secured thereon over the assembled switch in the base, flanges on the side edge of said cover member, a tongue on said edge offset from but substantially parallel to said flanges, a flexible insulating plate having portions engageable in slots in said base and being also engageable with said flanges and tongue, said plate being flexible to enable its engagement with said cover member and base and to close said recess in the side wall of the base after said cover is secured on said base.

2,571,860
PILE FABRIC
Russell C. Gebert, Elkins Park, and Howard J. Eberwein, Jenkintown, Pa., assignors to James Lees and Sons Company, Bridgeport, Pa., a corporation of Pennsylvania
Application September 13, 1949, Serial No. 115,528
4 Claims. (Cl. 139—403)



1. A pile carpet comprising a solid ground fabric composed of an upper series of wefts in one horizontal plane, a lower series of wefts in warpwise staggered relation to said upper wefts in another relatively spaced parallel plane, chain warps for tying the upper and lower wefts, a group of stuffer warps between adjacent chain warps, a first continuous wool pile warp between adjacent chain warps, said wool pile warp passing under and tied by only alternate upper wefts, and a second continuous wool pile warp between said adjacent chain warps, said second wool pile warp passing under and tied by only the alternate wefts between the wefts to which said first wool pile warp is tied.

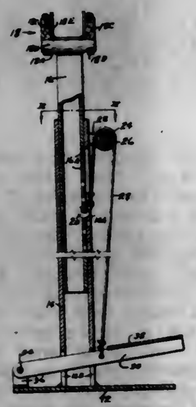
2,571,861
WOOD SURFACING AND EDGING MACHINE
Van J. Gegumis, Memphis, Tenn.
Application November 26, 1948, Serial No. 62,058
4 Claims. (Cl. 144—36)



3. A woodworking machine including a frame carried work supporting table and means for feeding lumber longitudinally along said table, said table having intermediate its width a vertically depending rib including longitudinally spaced, laterally offset, longitudinally extending portions and an interconnecting portion, a first of said longitudinal portion being adjacent one side of said table and the second thereof lying inward from said first portion, a bracket secured

to the inner side of said first portion and extending laterally and horizontally away therefrom, and an edger unit carried by said bracket, said unit including a shaft carried cutterhead having an upright axis, and a motor axially alined with and operably coupled to said shaft; means for vertically adjusting said shaft, means for inclining said shaft in the plane of its axis transverse to said table, and means for adjusting said shaft toward and away from said table.

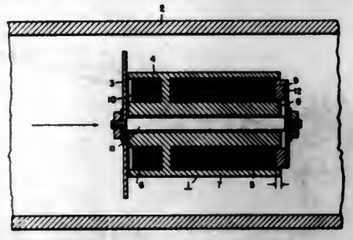
2,571,862
ADJUSTABLE SUPPORT FOR HAMMER DRILLS
Joy L. Glenn, Memphis, Tenn.
Application April 15, 1948, Serial No. 21,245
3 Claims. (Cl. 255—51)



1. A support, as for a hammer drill, which support includes a base, a hollow post rigidly secured to and extending upward from said base, an extension member slidably disposed in said post and extending therefrom, said member terminating in a drill receiving head, and intermediate its length being provided with a plurality of holes adapted to engage a hook; said post being slotted in adjacency to said base, a foot pedal disposed through said slot and having one of its ends hingedly secured to said base, and its opposite end portion provided with a pedal plate, a pulley at the upper end of said post and members carried by said post journalling said pulley, a resilient cable secured to said foot pedal extending to and over said pulley and terminating in a hook adapted for engagement at option in any one of said holes, said post being slotted below said pulley to permit said hook engagement and hook shift under pedal action.

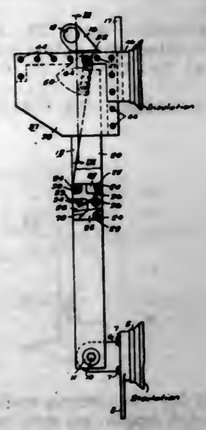
2,571,863
FORCE RESPONSIVE DEVICE FOR FLOW METERS
Frank W. Godsey, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1948, Serial No. 66,746
5 Claims. (Cl. 73—141)

1. A force responsive device comprising, in combination, a substantially cylindrical member of magnetic material having longitudinally disposed circular recesses one in each extremity thereof, a coil disposed in each circular recess, a force receiving armature member of magnetic material mounted for movement towards and away from one extremity of said cylindrical member, a circular armature fitting into the circular recess at the other extremity of said cylindrical member in spaced relation with the sides of said recess to form a longitudinally overlapping



airgap in which the radial gap dimension is unchanged by movement of the circular armature, means connecting said circular armature with said force receiving armature, and circuit means for energizing the coil associated with said circular armature in dependence of the voltage of the coil associated with said force receiving armature.

2,571,864
ARC EXTINGUISHING CIRCUIT INTERRUPTER
Howard W. Graybill, Honey Brook, Pa., assignor to Westinghouse Electric Corporation,, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1947, Serial No. 769,910
6 Claims. (Cl. 200—146)

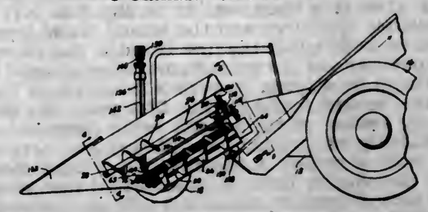


5. A switch comprising a support, a disconnect contact, arc passage means and a first interrupting contact all mounted in proximity on said support, with said first interrupting contact being limitedly movably mounted within said passage means and electrically connected with said disconnect contact, a switch blade mounted for movement on said support into and out of engagement with said disconnect contact, a second interrupting contact limitedly pivotally mounted on said blade for movement therewith to and away from said passage and through said passage into and out of engagement with said first interrupting contact, said arc passage means including spaced walls defining an arc passage therebetween at least when an arc is struck in said passage, the space between said walls

will be in close proximity to arcs struck upon separation of said interrupting contacts, at least inner surfaces of said walls being of an insulating material and at least one inner wall of said passage comprising at least in part insulating means which is capable of evolving an arc-extinguishing gas when in proximity to an electric arc, said first and said second interrupting contacts each being mounted to move in different directions upon separation of the contacts, means biasing said interrupting contacts to normal positions, said first interrupting contact being positioned in the first part of the path of the circuit opening movement of said second interrupting contact so as to be moved by said second interrupting contact during circuit opening movement of said blade up to a predetermined limit while its biasing means is stressed and at the same time said second interrupting contact moves pivotally relative to the blade while stressing its biasing means, and both of said interrupting contacts being returned to their normal positions with a snap action by their respective biasing means after the separation of said interrupting contacts, and means for moving said switch blade and said second interrupting contact during a circuit opening operation in a circuit opening direction

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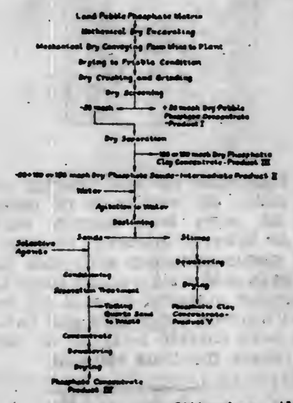
2,571,865
CORN PICKER WITH CUTTER
Edwin F. Greedy and Edward J. Schaaf, Anderson, Iowa, assignors to The Midwest Co., Nebraska City, Nebr., a corporation
Application March 4, 1947, Serial No. 732,218
5 Claims. (Cl. 56—64)



1. A corn harvester adapted to be mounted on a tractor comprising: a main frame; a picker head extending longitudinally thereof; a housing on said frame provided with guide members for directing corn stalks toward said picker head; a driven conveyor to feed corn stalks to said picker head; a feed member provided with spaced projecting fingers, said member being spaced vertically from and driven in timed relation with said conveyor so as to cooperate therewith to feed corn directly rearwardly to the picker head in an upright position; and a rotatable cutter in said picker head to cut the corn stalks at short intervals progressively upward and shear the ears therefrom.

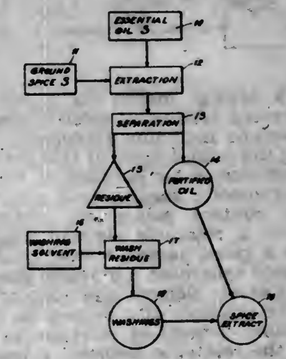
2,571,866
CONCENTRATION OF LAND PEBBLE PHOSPHATE
Ernest W. Greene, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
Application August 20, 1947, Serial No. 769,637
4 Claims. (Cl. 241—14)

1. The method of recovering the phosphate values from a dry-mined land pebble phosphate matrix composed of phosphate pebbles, phosphate sands, quartz sands and phosphatic clay, which comprises drying the said phosphate matrix until it presents a dry appearance throughout; subjecting said dried matrix to a mechanical disintegrating dry treatment without substantial comminution of the said pebbles and sands; dry-sizing the ingredients of said disintegrated matrix into a coarser phosphate pebble product, an intermediate phosphate and quartz sands product containing a portion of the coarser phosphatic clay, and a finer phosphatic clay product; subjecting said intermediate phosphate and quartz sands product to agitation in water and washing therefrom a residual phos-



phatic clay product; conditioning the thus deslimed intermediate phosphate and quartz sands product in an aqueous pulp with selective reagents having an affinity for only one of those constituents; subjecting said conditioned pulp to a wet separating treatment whereby the phosphate and quartz sands are separated from one another, thereby producing a concentrate of phosphate sands and a tailing of quartz sands which is sent to waste; whereby substantially all of the useful phosphate values in said matrix are recovered as pebble phosphate, as phosphatic clay and as phosphate sands.

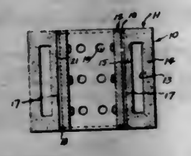
2,571,867
SPICE EXTRACTION AND PRODUCT
Lloyd A. Hall, Chicago, and Louis Sair, Evergreen Park, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application July 21, 1950, Serial No. 175,114
9 Claims. (Cl. 99—140)



1. The method of fortifying an essential oil of spice, which comprises extracting comminuted

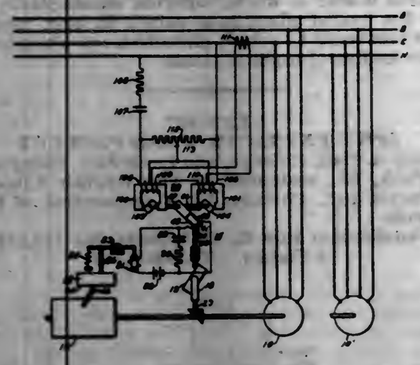
spice of the kind corresponding to said essential and extract from the spice soluble materials therein including non-volatile oils, oleoresins and coloring matter.

2,571,868
COMPOSITE POWDERED METAL BEARING
John Haller, Northville, Mich.
Application March 20, 1950, Serial No. 150,660
10 Claims. (Cl. 308—121)



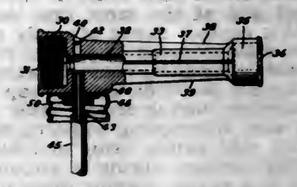
1. A composite oil well bearing comprising a hollow outer oil well body of porous material having an outer bore therein, said body also having an internal lubricant chamber in the wall thereof communicating with said bore through the pores in said wall, and an inner bearing body of dissimilar material to said oil well body secured within said outer bore and having an inner bearing bore therein adapted to rotatably support a rotary machine element.

2,571,869
SPEED CONTROL SYSTEM
Clinton E. Hanna, Pittsburgh, and Stanley J. Mikina, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 7, 1944, Serial No. 553,030
13 Claims. (Cl. 322—23)



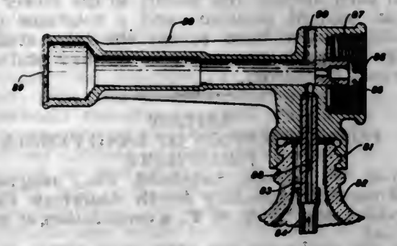
1. In a control means for a variable-speed driving means driving an electric generator, the control means including servomotor means for adjusting the output speed of said driving means, a governor device for controlling the operation of the servomotor means, said governor device including contact means for controlling the servomotor, a rotatable element adapted to be driven at a speed having a fixed relation to the speed of said generator, a movable mass mounted on said rotatable element and adapted to change its angular position with respect to the axis of the rotatable element in response to change in speed of the rotatable element, a linearly movable member in the rotatable element, said linearly movable member engaging said movable mass to be moved thereby when the movable mass changes its angular position, and said linearly movable member having a nonrotating end portion in position to engage said contact means, whereby movement of the linearly movable member in response to change in speed of the rotatable element actuates the contact means to effect operation of the servomotor means to maintain the speed of the generator substantially constant.

2,571,870
EDUCTOR NOZZLE
Stanley A. Hayes, Pasadena, Calif.
Application August 9, 1946, Serial No. 689,556
3 Claims. (Cl. 299—84)



1. A nozzle comprising an eductor having a restricted throat and an enlarged discharge section, a connection for a stream of high pressure first liquid at the rear of the throat, a port entering the side of the throat for inducing the flow of a second liquid into the throat, a second port entering the throat for admitting air into the throat, the second port being sufficiently large that when it is open suction on the first port is effectively destroyed and the second liquid is not induced to flow into the first liquid in the throat, the outer end of the second port being adapted to be closed by a finger to permit induction of flow of the second liquid in the first port, the discharge section of the eductor being composed of a plurality of stepped conduit sections increasing in cross section in the direction of liquid flow, and the eductor being so constructed that when the second port is closed a relatively constant proportion of the second liquid will be induced to flow into the first liquid over a substantially wide range of pressures on the first liquid.

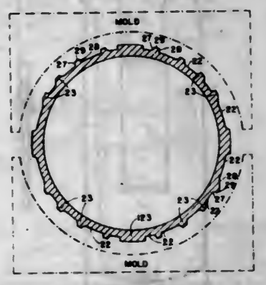
2,571,871
PROPORTIONER
Stanley A. Hayes, Pasadena, Calif.
Application November 18, 1947, Serial No. 786,762
15 Claims. (Cl. 103—262)



1. In an eductor for sucking a first liquid into a carrier stream of another liquid, the combination which comprises a restricted throat through which the carrier stream is introduced, a cylindrical expansion chamber of greater cross section than the throat extending in the direction

of the throat axis with the throat opening into an end thereof abruptly, a first choke conduit of smaller cross section than the expansion chamber disposed on the outlet side thereof, a suction conduit for the first liquid opening into the side of the expansion chamber near the end thereof that communicates with the throat and a second choke conduit slidably disposed within said suction conduit and movable substantially the length thereof.

2,571,872
ELECTRIC MOTOR FRAME HAVING COOLANT SYSTEM INCORPORATED THEREIN
Robert R. Hayes, Cleveland, Ohio, assignor to The Reliance Electric & Engineering Co., a corporation of Ohio
Application November 9, 1949, Serial No. 126,354
4 Claims. (Cl. 171—252)



1. In a housing for an electric motor, a unitary hollow cylindrical member formed by casting and having an outer surface, a plurality of raised ribs spaced about said outer surface and extending longitudinally of said cylindrical member, said ribs integrally joining said cylindrical member throughout at least a major portion of the length thereof, each of said ribs having side surfaces curving into said outer surface with the said side surfaces of all the ribs disposed in substantially parallel planes, a raised first end portion integrally joined with the ends of alternate ribs and said cylindrical member on one end thereof and spaced from the ends of the alternate remaining ribs, a raised second end portion integrally joined with the ends of the remaining alternate ribs and said cylindrical member on the other end thereof and spaced from the ends of the ribs joined to the first end portion, said ribs and said end portions being formed on the outer surface of said cylindrical member by casting the same as a single unit.

2,571,873
DISTANCE AND BEARING PLATE FOR CANE MILLS
Francis Hegenbarth, Wilkes-Barre, Pa., assignor to Vulcan Iron Works, Wilkes-Barre, Pa., a corporation of Pennsylvania
Application July 12, 1946, Serial No. 683,241
6 Claims. (Cl. 308—9)

1. For use with a cane mill housing having therein a vertical recess adapted to receive and support a top roll journal the combination with said mill housing and journal of a top roll bearing having at one side a short lip and at the other side a long lip, said long lip adapted to extend down below the horizontal center line of the roll journal and having a part overlapping said journal, the width of said bearing being less than the width of said vertical recess thereby defining a space between said bearing and said mill housing adjacent the long lip, and a filler plate removably received in said space, the length of said

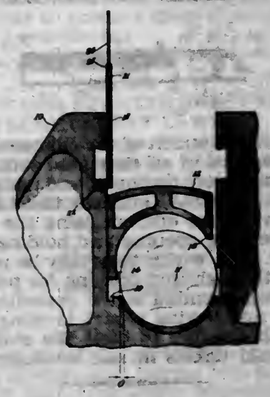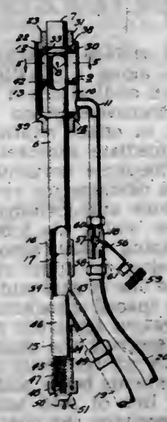


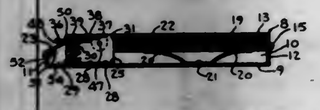
plate and the depth of said space being greater than the length of said long lip whereby said filler plate overlaps the long lip of said bearing.

2,571,874
SPRAY GUN FOR APPLYING GRANULAR MATERIALS
Loren Hale, Tulsa, Okla., assignor to Stuk-O-Rite, Inc., Tulsa, Okla., a corporation of Delaware
Application January 24, 1949, Serial No. 72,497
3 Claims. (Cl. 91—44)



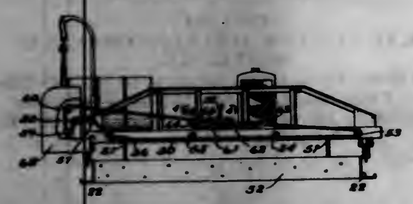
1. A spray gun of the character described, comprising a straight tube section for conducting material to be sprayed, provided with a plurality of circumferentially spaced apart air ways open to its exterior and interior at a zone of the tube section adjacent its delivery end; an air jacket telescopically arranged on the exterior of said tube section providing a chamber surrounding the said zone thereof, said jacket provided with an air inlet; a perforated annular baffle plate positioned in said chamber, surrounding said tube section and interposed between the zone of said air ways and said air inlet and means associated with said jacket and tube section detachably securing the former to the latter against escape of air from the chamber of the jacket except through said air ways of the tube section.

2,571,875
TICKET HOLDER AND PUNCH
Otto C. Heinemann, Milwaukee, Wis.
Application August 2, 1947, Serial No. 765,725
2 Claims. (Cl. 206—40.6)



1. In a ticket punch of the character described, the combination of an elongated container forming the handle of the punch and adapted to hold a series of separate stubless tickets, said container having one end enclosing the tickets and a top dispensing opening and holding the tickets in a stack from which they may be removed one at a time through said opening for punching, the punch being mounted in the opposite end of the container and having a part forming a stop adjacent said opening to limit the endwise movement of said tickets in said container.

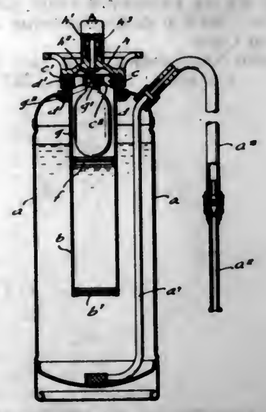
2,571,876
ROAD SURFACE TREATING MACHINE
Carl J. Heltsel, Warren, Ohio
Application June 18, 1946, Serial No. 677,623
8 Claims. (Cl. 15—80)



1. In a road surface treating machine, a carriage movable along a plastic roadway under construction, an endless chain mounted to move substantially transversely on said carriage, a broom carried in offset relation to said chain, end and intermediate sprockets extending substantially in the same horizontal line on a low portion of said carriage for receiving the chain beneath the same and forming a lower run for the chain below which the broom is adapted to extend in a wiping action across the surface of the roadway below, an upper run for said chain running around one of said end sprockets, a pair of horizontally spaced sprockets offset outwardly and at an elevation from the other of said end sprockets for receiving the chain from such end sprocket, a pair of vertically spaced sprockets one of which extends below and the other above the horizontal line of said horizontally spaced sprockets for receiving the chain in a downward run from the outer of the horizontally spaced sprockets and for directing the chain in an ascending run to the upper of the vertically disposed sprockets from which the chain turns into its upper run, and means on the carriage engaged with said chain for driving the same.

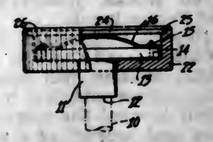
2,571,877
FIRE EXTINGUISHER
Thomas A. Henshaw, Elland, England, assignor to Nu-Swift, Limited, Elland, England
Application October 26, 1948, Serial No. 56,649
In Great Britain October 28, 1947
6 Claims. (Cl. 169—31)

1. A fire extinguisher including an outer main container for a liquid, having a discharge port and a charging opening; removable closure means for closing said opening; a sealed first inner container disposed within the main container and containing a charge capable of liberating driving gas under pressure from the inner container when the latter is opened; a penetrable seal upon the latter; a piercing member on said removable closure means for breaking the penetrable seal on said inner container upon said penetrable seal coming into forcible contact with said piercing member; a second inner container for separately containing a foam producing or other agent connected to and enveloping at least a portion of the first inner container in such fashion as to form a removable unit therewith; a frangible



closing diaphragm sealing one portion of the second inner container from said first inner container; and a second frangible closing diaphragm in another portion of said second inner container spaced apart from the first mentioned closing diaphragm in such position as to be exposed to the interior of said main container and together with said first closing diaphragm enclosing said foam producing or other agent, with the latter foam producing or other agent disposed in the path of driving gas liberated from said first inner container so as to cause said foam producing agent to be driven into intimate mixture with the liquid in said main container when said penetrable portion of said first inner container is broken by said piercing member.

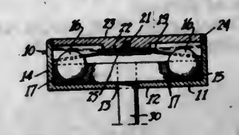
2,571,878
SPRING WINDING DEVICE
Charles Hill, Reno, Nev., and Charles K. Johns, New York, N. Y., assignors to Hil-Jon Safety Crown Corporation, Brooklyn, N. Y., a corporation of New York
Application November 27, 1944, Serial No. 565,342
3 Claims. (Cl. 58—83)



1. In a spring actuated device, the combination with a stem operable to wind said spring, of a sleeve member attachable to the stem and presenting an integral driven plate portion, a winding crown cup member having an opening at one

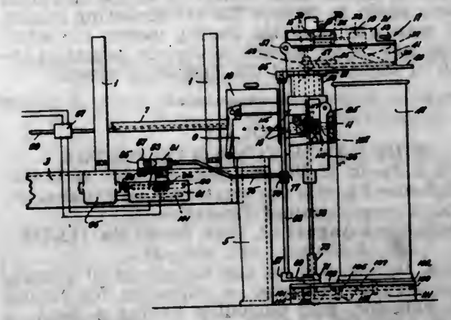
side through which said sleeve member extends, an annular shoulder and a flange formed in the opposite side of said cup member, a driving plate arranged to rest on said annular shoulder and be secured thereto by the flange when the latter is turned inwardly, a friction disk fitting within said crown member, means for securing said disk to said driving plate, the disk being arranged for frictional engagement with said driven plate, and said disk having a central depressed portion and being tempered to provide a flat friction driving surface adjacent its periphery for yieldable driving engagement with said driven plate portion.

2,571,879
OVERLOAD RELEASE COUPLING
Charles Hill, Reno, Nev., and Charles K. Johns, New York, N. Y., assignors to Hil-Jon Safety Crown Corporation, Brooklyn, N. Y., a corporation of New York
Application July 25, 1946, Serial No. 686,212
6 Claims. (Cl. 64—29)



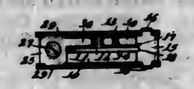
1. A spring winding device comprising a cup having an opening therein, a disk rotatably mounted in said cup and having an integral winding stem portion extending through said opening for winding a spring a ball and a ball seat in said disk, a top for the cup arranged to be secured thereto so that the cup and top can be turned as a unit, with respect to said disk, a spring plate having a ball opening adjacent the periphery thereof for detachable engagement with said balls, and means for connecting said spring and said top member for turning movement together and for passage of said spring over the ball when the tension of the spring being wound provides a predetermined resistance to the rotary movement of said disk.

2,571,880
CAN CHANGING MECHANISM FOR TEXTILE MACHINES
Odus C. Hinson, Cramerton, N. C., assignor, by mesne assignments, to The Terrell Machine Company, Charlotte, N. C., a corporation of North Carolina
Application April 5, 1945, Serial No. 586,651
11 Claims. (Cl. 19—159)



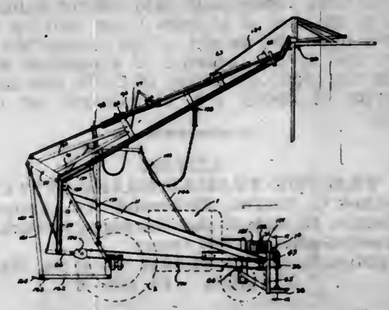
1. Apparatus for delivering sliver into cans, comprising in combination a machine producing sliver, means coiling the sliver into a can, means stopping the driving of such machine upon delivery of a predetermined amount of sliver, means transferring the delivery of sliver from such can to an adjacent can, and means restarting the machine to produce more sliver after the transfer has been effected.

2,571,881
SOCKET FOR STARTER UNITS FOR FLUORESCENT LAMPS
Joseph O. Howard, Chicago, Ill., assignor of one-half to Peter J. Franklin, Chicago, Ill.
Application December 16, 1946, Serial No. 716,631
4 Claims. (Cl. 173—328)



1. A socket comprising parallel insulating wafers spaced apart in parallelism by at least two channel spacers each having lugs in opposite ends thereof and clinchingly engaged with a wafer member at the corresponding end thereof, a pair of contact arms disposed in the space between said wafers and secured in position by tab projections thereon engaged in slot formation in said wafers, and an intermediate guide wafer disposed in the region between said parallel wafers and adjacent said contact arms, said intermediate wafer having portions supportably interfitting with recessed and slot portions of said spacers, and contact guiding openings in said intermediate wafer.

2,571,882
COMBINATION BUCK RAKE AND STACKER
Edgar W. Hudson and Glen L. Hudson, Meridian, Idaho
Application August 9, 1948, Serial No. 43,256
16 Claims. (Cl. 214—140)



1. Apparatus of the character described comprising a tractor; a derrick frame pivoted to said tractor to swing on a horizontal axis spaced above and to the rear of the center of gravity of said tractor; means for applying force to said frame below said pivot axis to swing the forward end of said frame upwardly from ground engaging to vertical overshot position; a gathering receptacle pivoted on a horizontal axis to the forward end of said frame; said receptacle having a normally substantially horizontal bottom; and means for retaining said bottom substantially horizontal during a substantial portion of the swinging movement of said frame, comprising an overshot control arm pivotally mounted at its lower end on said tractor and formed with an upwardly and rearwardly extending slot at its upper end,

a slidable member connecting said receptacle above its pivoted axis with said slot and slidable therein in response to pivotal movement of said overshot control arm, and means responsive to swinging movement of said frame to cause pivoted movement of said control arm in the same general direction of swing as said frame; said overshot control arm acting on said slidable member connecting it with said receptacle to cause said receptacle to tip backwards as the derrick frame approaches and reaches a vertical overshot position.

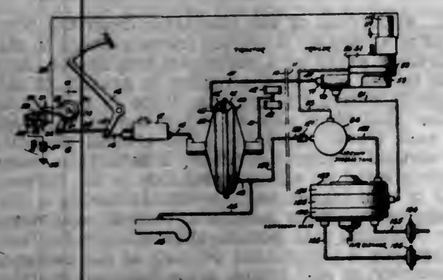
2,571,883
2-METHYLENE-1,3-PROPYLENE DICHLORIDE HOMOPOLYMER
George E. Hulse, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 28, 1948, Serial No. 57,134
3 Claims. (Cl. 260—654)

1. A homopolymer of 2-methylene-1,3-propylene dichloride.

2,571,884
METHOD OF PREPARING CHLOROSILOXANES
James Franklin Hyde, Corning, N. Y., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application July 19, 1950, Serial No. 174,805
7 Claims. (Cl. 23—14)

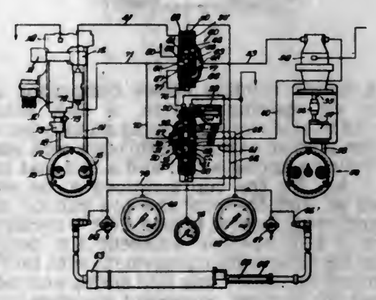
7. A method of preparing chlorosiloxanes which comprises reacting $SiCl_4$ with a metallic oxide selected from the group consisting of MnO_2, CuO, Cu_2O, CaO, ZnO, MgO, Fe_2O_3, Ag_2O, and HgO, there being at least one mol of $SiCl_4$ per mol of oxide, in the presence of a solvent selected from the group consisting of liquid saturated aliphatic nitriles, liquid aromatic nitriles, liquid aliphatic nitro compounds, and liquid aromatic nitro compounds, said solvent being present in amount of at least 1 per cent by weight based upon the weight of the silicon tetrachloride, and in the presence of a catalyst selected from the group consisting of $CuCl_2$ and $HgCl_2$ in amount of about .1 g. of catalyst per mol of $SiCl_4$.

2,571,885
TRACTOR-TRAILER BRAKE SYSTEM
Jeannot G. Ingres, Richmond, Va., assignor to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey
Application March 22, 1946, Serial No. 656,363
21 Claims. (Cl. 188—3)



1. In a tractor-trailer brake system, a booster brake mechanism for operating the tractor brakes comprising a fluid pressure operated booster motor and a brake pedal normally occupying an "off" position and movable from such position to effect energization of said motor to apply the tractor brakes, a fluid pressure operated trailer brake applying motor, and conversion valve mechanism for controlling said trailer brake motor, and having a fluid connection with said booster motor to be operated by differential pressures therein to effect energization of said trailer brake applying motor to a degree proportionate to energization of said booster motor, and an auxiliary valve mechanism for operating said conversion valve mechanism to energize said trailer brake applying motor wholly independently of said booster motor and operable upon initial movement of the brake pedal from its "off" position.

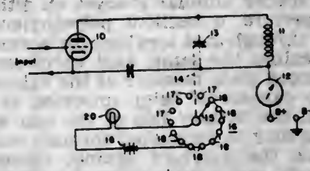
2,571,886
CONTROL DEVICE
Paul S. Jackson, Rockford, Ill., assignor to Jackson Hydraulic Machine Co., Inc., Rockford, Ill., a corporation of Illinois
Application October 23, 1948, Serial No. 56,134
19 Claims. (Cl. 103—38)



1. A stroke-control apparatus for a reciprocable member comprising reversible means for reciprocating the member, means for reversing the reversible means, a motor driven in forward and reverse in synchronism with the reciprocation of the member, a control shaft oscillated by the motor, actuating means for the reversing means, means for operating the actuating means carried by the control shaft and adapted to operate the actuating means at the end of an oscillation of the control shaft in one direction to reverse the reciprocating means, a device extending into the path of oscillation of the operating means in the other direction and adapted to operate the operating means upon contact with the operating means again to reverse the reciprocating means, and manually operable setting means for selectively moving the device to various points in the path of oscillation of the operating means.

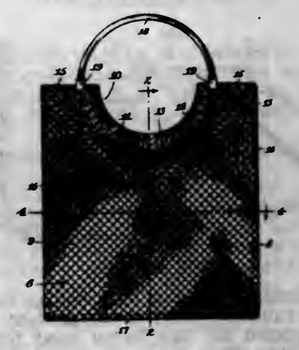
2,571,887
WIDE RANGE TUNING INDICATOR
Mark I. Jacob, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 23, 1949, Serial No. 111,870
8 Claims. (Cl. 250—40)

1. A tuning control for an electrical circuit, comprising an inductor, a capacitor for tuning said inductor, said capacitor having a rotor, a switch having a switch arm and having a plurality of contacts therefor, means interconnecting said switch arm and said rotor whereby rotation of said rotor causes movement of said arm, a signal circuit, and means including said switch



connecting a plurality of said contacts in said signal circuit when said arm touches contacts of said plurality of contacts.

2,571,888
DISPOSABLE BABY BIB
Klaus M. Jesse, Wichita, Kans.
Application April 21, 1949, Serial No. 88,762
5 Claims. (Cl. 2—49)



1. A disposable and non-launderable bib for an infant, comprising a body-portion formed along its upper edge to provide a neck-notch and having a substantially flat backing and a comparatively thin layer of soft absorbent cellulose material covering the front of said backing, both being of like outline, said cellulose material being protuberant around said neck-notch, and wide mesh gauze material covering the front and rear of said body-portion including the protuberant portion around said neck-notch, said gauze material being stitched to the marginal portions of said cellulose material, and stitching running along the outer curved line of said protuberant portion so as to maintain the form of the latter.

2,571,889
SELECTIVE OXIDATION OF DIHYDROXY STEROIDS
Robert E. Jones, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 16, 1950, Serial No. 185,320
9 Claims. (Cl. 260—397.4)

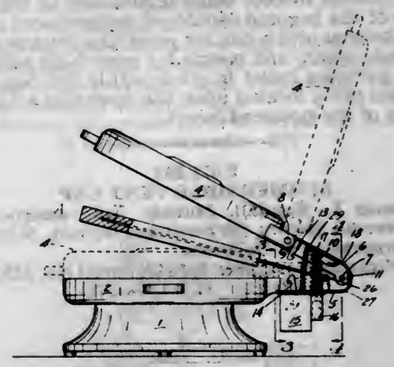
1. The process of selectively oxidizing the 3-hydroxy grouping in Δ^{17}-3,21-dihydroxy-11-keto-20-cyano-pregnene without affecting the hydroxy substituent in the 21-position which comprises reacting said Δ^{17}-3,21-dihydroxy-11-keto-20-cyano-pregnene with an oxidizing agent selected from the class which consists of N-bromoacetamide and N-bromosuccinimide.

2,571,890
SHOULDER PAD
Simon Kagan and Irving Rothenberg, New York, N. Y.
Application June 22, 1946, Serial No. 678,606
13 Claims. (Cl. 2—268)



1. In a shaped shoulder pad comprising a hollow envelope and having a front wall, a curvilinear upper facing, a curvilinear lower facing and an apex at the rear of the pad, said front wall and lower facing formed from two elements connected together by a line of stitching extending through the centers of the front wall and lower facing from the upper wall at the front of the pad to the upper wall at the apex of the pad, said front wall and lower wall being integral, the material forming the front wall and facings being cut on the bias whereby the front wall is stiffened vertically and the upper and lower facings are flexibly resilient crosswise of the pad and stiffened in a longitudinal direction, said facings and said front wall separated from each other by an air space formed by the hollow envelope.

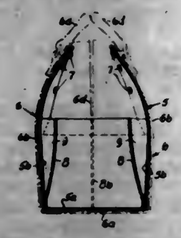
2,571,891
COOKING APPARATUS FOR WAFFLES AND THE LIKE
Michael Kassan, South St. Paul, and John W. Kassan, St. Paul, Minn.
Application December 2, 1949, Serial No. 130,736
1 Claim. (Cl. 99—373)



In a device of the class described, upper and lower cooperating heating plates having aligned radially-projecting tongues, said tongues being pivotally secured together adjacent their outer ends, said plates being movable toward and from each other about the axis of said pivotal connection and defining a cake-cooking chamber therebetween when in face-to-face horizontally-disposed relationship, a fork element mounted for pivotal movements intermediate said heating plates on an axis parallel to the axis of pivotal connection between said tongues, yielding means biasing said upper plate and tongue toward a

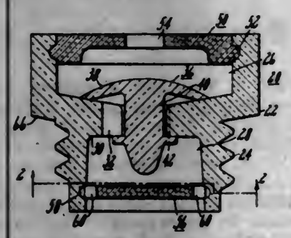
spaced apart angular relationship with respect to said lower plate less than ninety degrees, independent yielding means biasing said fork element toward an intermediate position in relation to said plates when said plates are in said spread apart relationship, and a pivotal connection intermediate the upper heating plate and the inner end of its cooperating tongue permitting limited pivotal movements of said upper plate with respect to said lower plate in excess of ninety degrees.

2,571,892
COMBINATION BOWLER'S AND TRAVELING BAG
Alma A. Kath, Norwood Park, Ill.
Application December 4, 1948, Serial No. 63,490
2 Claims. (Cl. 190—51)



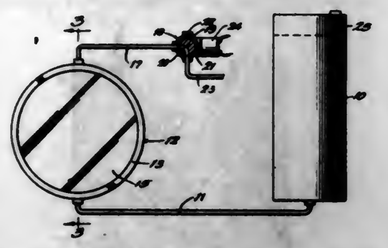
1. A removable, pocketed insert for mounting within a conventional form of bowlers' grip or bag including a bottom, sides and ends, the latter being partially parted vertically down through their upper portions to enable the bag to be opened and closed in use, said pocketed insert including a flexible bottom, sides and ends, a flexible pocket-forming strip extending around the inner side of the insert and having side and end portions spaced from the insert to form pockets, the corners of the strip being secured to the sides of the insert, the sides of the pocketed insert being extended upwardly above the ends and the bottom thereof being unattached to the bottom of the bag and capable of being spaced above the bottom of the bag for providing storage space therebetween, and means for removably securing the pocketed insert in place within the bag, said means being located upon the upwardly extended sides of the pocketed insert.

2,571,893
SUBMERSIBLE VENT CAP
Thomas L. Kendall, Muncie, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 4, 1949, Serial No. 125,405
4 Claims. (Cl. 136—178)



1. A submersible vent cap for use in connection with storage batteries, the combination comprising a body member fabricated from resilient polyethylene and including a threaded portion thereon adapted for attachment to a battery cell cover, said body portion including a central aperture therethrough and including a pair of spaced annular grooves on either side of said aperture, a resilient polyethylene valve extending through said aperture for normally resiliently sealing the same, said valve consisting of an enlarged plate member at the exhaust side of the cap capable of being unseated by excess pressure at the battery side of the cap whereby battery gas may be exhausted through said valve which seals the aperture against reverse flow therethrough, and a pair of hard acid-resisting apertured closure plates adapted to be snapped into said grooves in the resilient body member above and below the valve.

2,571,894
FLUID SHUTTER FOR LIGHT-PROJECTING APPARATUS
Jeremiah D. Kennelly, Oak Park, Ill.
Application March 12, 1948, Serial No. 14,574
1 Claim. (Cl. 116—114)

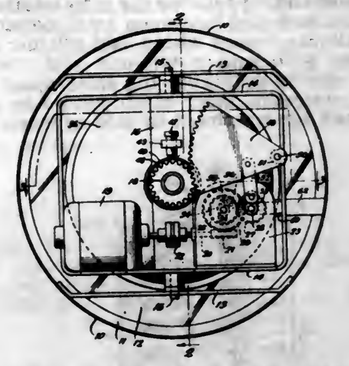


In combination with a light source carried by a vehicle equipped with a compressed air line, the compressed air line being used for setting brakes, a fluid shutter mounted in front of said light source and equipped with transparent plates providing a chamber between them adapted to receive a colored fluid, an air-tight reservoir adapted to receive said colored fluid, a conduit connecting said reservoir and said chamber, means supporting said reservoir at a level at least equal to that of said chamber, a valve casing equipped with a vent outlet, an outlet conduit communicating with the compressed air line, and an outlet conduit communicating with the interior of said chamber, a valve in said casing having a passage establishing communication between said chamber and said vent pipe and alternatively between said chamber and said compressed air line, and solenoid control means for the valve operable to shift the valve to either position.

2,571,895
WARNING LIGHT APPARATUS
Jeremiah D. Kennelly, Oak Park, Ill.
Application March 18, 1948, Serial No. 15,587
2 Claims. (Cl. 177—329)

1. In warning light apparatus, a casing, an inner frame pivotally mounted upon said casing, a motor carried by said inner frame, a pair of rotatably-mounted shafts driven by said motor, a rotatably-mounted light-supporting shaft, means comprising a sector gear and a crank connecting said last-mentioned shaft to one of said first-mentioned shafts for rotating said last-mentioned shaft first in one direction and then in another, a lamp mounted on the end of said last-mentioned shaft, a reflector for said lamp carried by said shaft, said reflector being disposed with its axis

at an angle to the axis of rotation of said shaft, and eccentric means connecting the second of

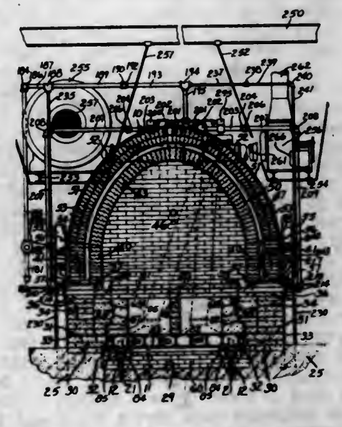


said first-mentioned shafts with said casing for oscillating said inner frame within said casing.

2,571,896
RECOVERY OF RIBOFLAVIN
John C. Keresztesy, Westfield, and Edward L. Rickes, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application October 31, 1945, Serial No. 625,942
4 Claims. (Cl. 260—211.3)

1. The process of recovering riboflavin directly from an untreated *Eremothecium ashbyii* beer containing riboflavin which comprises concentrating said beer, adding a lower aliphatic ketone thereto to precipitate undesirable impurities naturally present in said beer, and permitting the resulting concentrated liquor to stand at a low temperature in order that riboflavin in crystalline form may crystallize out therefrom.

2,571,897
REGENERATIVE KILN
Samuel S. Kistler, West Boylston, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 9, 1951, Serial No. 205,210
17 Claims. (Cl. 25—132)



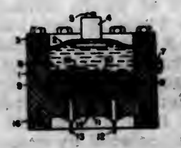
1. Heating apparatus comprising a kiln having side top and back walls and a removable door, a track in the bottom of the kiln, a kiln car having wheels movable on said track, track means outside the kiln and alignable with the track in the kiln, a regenerator comprising at least two heat exchangers in the kiln car, means for forcing air through the exchangers alternately and into the kiln and for withdrawing waste gases through the exchangers alternately, and means for supplying fuel to the kiln for burning therein.

2,571,898
CRIMPED CAP REMOVER
Mikolaj Kondakow and James Wong, Port Arthur, Ontario, Canada
Application September 20, 1950, Serial No. 185,838
In Canada August 29, 1950
2 Claims. (Cl. 215—46)



1. A container closure comprising a crimped metal cap having a slit in its median line, and having other slits at spaced intervals transversely through said slit, and, at the ends of two of said transverse slits having slits at an angle to said diameter slit, thus forming a pair of ears; a tongue; and a bridge intermediate said ears and said tongue; a disrupting member having an inturned portion extending below said bridge and above said tongue, said ears and said bridge clamping said extension to hold said member snugly against said cap.

2,571,899
VIBRATION PICKUP
Herbert M. Kroft, Baltimore, and Milton P. Vore, Catonsville, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 11, 1948, Serial No. 64,872
5 Claims. (Cl. 171—327)



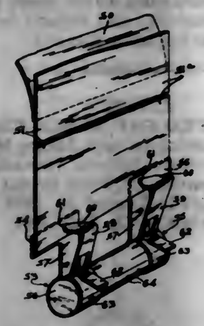
1. A vibration pickup, comprising a container filled with fluid and having a rigid wall portion and a yieldable wall portion, a rigid transmitting member mounted on said wall portion for transmitting vibration thereto, said member having with said yieldable wall portion a function of smaller area than said yieldable wall portion so as to be capable of translatory and angular movement relative to said rigid wall portion, and a pressure-responsive electric crystal gauge disposed in said container and within said fluid to be subject to fluid pressure variations caused by said vibrations.

2,571,900

FILM HANDLING MEANS FOR DEVELOPING TANKS

Joseph Langer, Bronx, N. Y.

Application July 20, 1948, Serial No. 39,768
3 Claims. (Cl. 95—100)



1. Weight means for drawing a film to be developed down between a spaced pair of channel-shaped tracks adjustably mounted within a developing tank, comprising an elongated weight positioned between the tracks, clips slidably positioned on the ends of said weight to be engaged with the end of the film, means for holding said clips in desired laterally shifted positions on said weight in accordance with the spacings of the tracks and the width of the film to be processed, and laterally projecting ears formed on said clips and slidably disposed in the tracks.

2,571,901

CHLORINATING PROCESS

Francis Earl Lawler, Niagara Falls, N. Y., assignor to Niagara Alkali Company, New York, N. Y., a corporation of New York

No Drawing. Application December 12, 1945, Serial No. 634,615
14 Claims. (Cl. 260—408)

1. A process of substitution chlorination of an aliphatic chlorine-soluble saturated compound containing chlorine-replaceable hydrogen atoms attached to carbon, which comprises dissolving said compound in liquid chlorine in an amount in substantial excess of the amount to be reacted with said compound, said liquid chlorine in excess functioning as the source of chlorine for the chlorination reaction and as a solvent medium for the compound during said reaction; at a temperature at which hydrogen is substituted by chlorine with the liberation of hydrogen chloride, and at a pressure at least as great as that required to maintain the chlorine in a liquid state at said reaction temperature; continuing the reaction under the above conditions until a plurality of said hydrogen atoms of said compound have been replaced by chlorine from said liquid chlorine reaction medium; and then removing the excess unreacted liquid chlorine from the chlorinated compound.

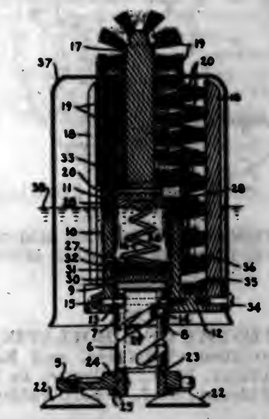
2,571,902

GLASS WASHER

Harry J. Lever, Racine, Wis.

Application March 31, 1947, Serial No. 738,279
4 Claims. (Cl. 15—76)

1. A glass washer comprising, a base, a helically grooved column projecting upwardly from the central portion of said base, a piston carried at the upper extremity of said column, a cylinder slidably embracing said piston and having an upper closure head, means carried by the lower end of said cylinder below said piston and cooperable with the groove in said column for supporting said cylinder and for rotating the same relative to said column and said base upon axial movement of said cylinder, means within said cylinder and cooperating with said piston and said closure head for constantly urging the same apart, an upwardly projecting inner brush carried by said closure head for movement by said cylinder and



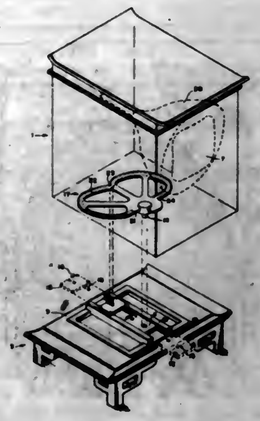
adapted for disposition within an inverted glass, and an upwardly projecting outer brush carried by said cylinder for movement therewith and having bristles adapted to coact with the outer wall of an inverted glass disposed over said inner brush, said cylinder having a lower liquid inlet port and its upper closure head having an upwardly projecting liquid outlet port for directing a jet of liquid upwardly along said inner brush upon axial downward movement of said cylinder.

2,571,903

ROTATABLE CABINET AND MECHANISM

Mortimer W. Loewi, Golden Beach, Fla., Otto G. Furman, St. Albans, N. Y., and Bernard L. Mueller, Woodridge, N. J., assignors to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application April 28, 1949, Serial No. 90,144
4 Claims. (Cl. 312—7)



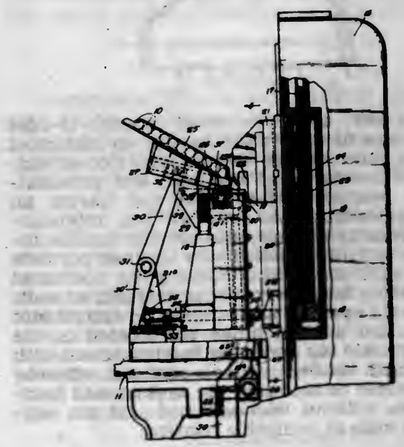
1. A television receiver cabinet comprising a stationary base portion and a rotatable upper portion supported thereon by a pivotal bearing mounted on said base portion and laterally movable within the confine thereof and a guide bearing mounted on one of said portions engaging a kidney or heart shaped track mounted on the other of said portions, guiding the rotation of said upper portion about a laterally movable axis, a corner of said upper portion being maintained substantially in alignment with one edge of said lower portion during said rotation.

2,571,904

BROACHING MACHINE

Charles O. Lofgren, Ann Arbor, Mich., assignor to American Broach & Machine Company, a corporation of Michigan

Application May 25, 1949, Serial No. 95,260
15 Claims. (Cl. 90—33)



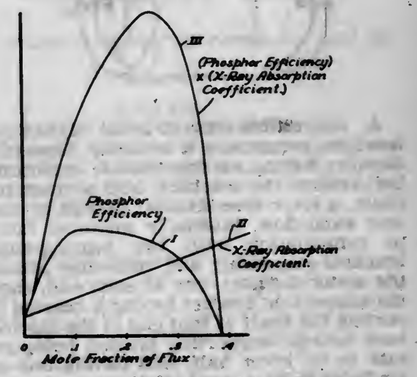
1. A vertical broaching machine comprising, in combination, a column adapted to have broaching tools mounted thereon defining a channel through which work pieces may pass, a vertical piston and cylinder device having one part thereof forming a work carrier mounted for movement downwardly through a work stroke and upwardly through a return stroke, a work chuck mounted on said carrier near the upper end thereof, said chuck having converging friction gripping jaws adapted to grip a cylindrical work piece during a work stroke and carry it through said channel to perform a broaching operation thereon, an inclined magazine on said machine for holding a plurality of work pieces, a reciprocable gate member adjacent the outlet of said magazine for feeding work pieces singly from said magazine to a waiting station immediately below the upper position of said work chuck, a spring biased detent for supporting a work piece at said waiting station, said detent being engaged by the work piece in the jaws and forcing said work piece tightly into said friction jaws so that the work piece is held against rotation during the broaching operation, the detent moving when force exerted by the work piece in the jaws exceeds the force of the spring to permit said work piece to be carried past said tools on the work stroke, a pivotally supported claw member in the path of said work piece below said broaching tools, movable to permit a work piece to pass near the end of the work stroke and operable to engage the finished work piece as the carrier returns upwardly and free said work piece from said jaws, a cam mounted on said carrier near the lower end thereof, a lever for actuating said gate member and having a pin and slot connection at one end with said gate member, a spring for moving said lever and gate member in one direction to release a work piece from said magazine, and a push rod having one end in the path of said cam for engagement by said cam near the end of the return stroke and operable to actuate said lever for moving said lever and gate member in the other direction to feed the released work piece to the waiting position.

2,571,905

ZINC SULFIDE X-RAY PHOSPHORS

Richard L. Longini, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 28, 1947, Serial No. 771,113
4 Claims. (Cl. 252—301.6)



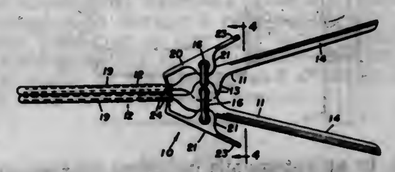
3. The fired reaction product of a substance drawn from the group consisting of zinc sulphide and zinc cadmium sulphide mixed with a substance drawn from the group consisting of caesium iodide, caesium bromide, rubidium iodide, caesium chloride, potassium iodide, sodium iodide, rubidium bromide and rubidium chloride, and an activator selected from the group which consists of the metals silver and copper, said caesium chloride being present in the amount of 0.2 of a mole fraction of the mixture.

2,571,906

VENETIAN BLIND CLEANER

Rosalie Love, Los Angeles, Calif.

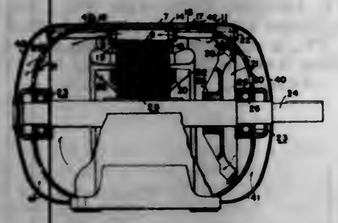
Application May 8, 1947, Serial No. 746,767
3 Claims. (Cl. 15—210)



1. A Venetian blind cleaning apparatus comprising a pair of flat arms, angled handles on said arms, laterally extending complementary ears on said handles, a pivot element inserted through said ears, a spring coiled about said pivot and engaging said handles for biasing said arms in clamping engagement, sheath-like cleaning

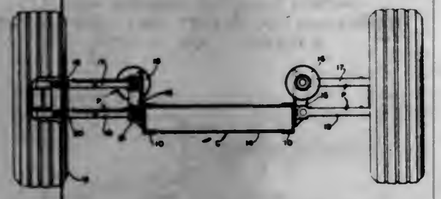
pads positioned on said arms and resiliently actuated keeper prongs positioned on said arms and pivoted on the pivot element for releasably retaining said pads on the arms.

2,571,907
CONVERTIBLE MOTOR
Leon R. Ludwig, Theodore C. Fockler, and William H. Formhals, Buffalo, N. Y., and Howard T. Walton, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 15, 1946, Serial No. 690,628
1 Claim. (Cl. 171—252)



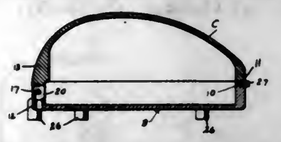
A convertible splash-proof dynamo-electric machine, comprising a centrally disposed stator-member having an imperforate enclosure-member around the machine, and a rotor having a shaft, a rotor-core member carried by the shaft, and axial-flow, internally mounted fan-means, in combination with two bearing-supporting brackets removably and reversibly mounted on the stator-member, one at each end, each bearing-supporting bracket having a bearing for supporting the shaft at that end of the machine, and each bearing-supporting bracket being imperforate in its lower half, and having one or more air-holes in its upper half, the same two brackets being reversible so as to be turned upside down, so that the air-holes are in the lower halves, plus a spaced hood, covering the upper half and some of the bottom half of each bracket, for making the machine splash-proof.

2,571,908
AUTOMOBILE FRAME SUSPENSION
Kenneth Z. Lyman, Lake Forest, Ill., assignor to The Tucker Corporation, Chicago, Ill., a corporation of Delaware
Application March 24, 1947, Serial No. 736,841
2 Claims. (Cl. 267—21)



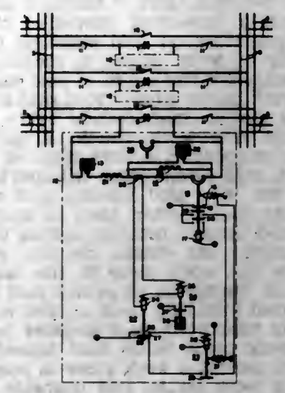
1. In an automobile including four wheels and a chassis, means for suspending said chassis from said wheels comprising a parallelogram support between each wheel and said chassis, each parallelogram support including a vertical upright extending upwardly from said chassis and terminating at its lower end above the bottom of the chassis, a torsion spring carried at the end of said upright and having an element operably connected to said upright, a horizontal arm connected to the other element of said torsion spring, said horizontal arm being connected to the respective wheel, and a second horizontal arm disposed below the first horizontal arm and having its ends pivotally connected to said wheel and upright, respectively and lying wholly above the bottom of the chassis.

2,571,909
HINGED COVER PLASTIC BOX
René P. Magnenat, Waterbury, Conn., assignor to Waterbury Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut
Application May 24, 1947, Serial No. 750,340
3 Claims. (Cl. 220—31)



1. In a box, a pair of walls in edge-to-edge relation, one of said walls having an elongated slot in an outer surface thereof, said slot extending into the interior of said wall and terminating in a bearing surface, said wall having an opening extending into said slot and intersecting said bearing surface, said bearing surface including a pair of longitudinally inclined portions adjacent said intersecting opening, an apertured lug projecting from the other of said pair of walls through said opening and adapted to extend into said slot, and a rigid hinge pin located in the aperture of said lug and lying in engagement with said inclined bearing surface portions, whereby said lug serves to hold said pin against said bearing surface without backlash and said pin connects said walls in swingable relation.

2,571,910
PROTECTIVE SYSTEM FOR SERIES CAPACITORS
Ralph E. Marbury and Henry A. Travers, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1948, Serial No. 45,015
6 Claims. (Cl. 175—294)



6. A series capacitor installation for an alternating current line, comprising a capacitor, means for connecting said capacitor in series in the line, a spark gap device connected in a by-pass circuit around the capacitor and adapted to break down and complete the by-pass circuit under excess-current conditions, a normally-closed circuit breaker connected in series in said by-pass circuit, an auxiliary spark gap device connected across said circuit breaker, relay means responsive to current in the by-pass circuit, said relay means being adapted to effect preparation of a tripping circuit for said circuit breaker in response to current in the by-pass circuit in excess of a predetermined value and being adapted to complete said tripping circuit to effect opening of the circuit breaker when the current in the by-pass circuit falls below a lower predetermined value, slow-acting relay means for effecting opening of the circuit breaker in response to continued current flow in the by-pass circuit below the value required to actuate the first-mentioned relay means, and means for effecting reclosing of the circuit breaker immediately after it opens.

2,571,911
PREPARATION OF GUANIDINE SALTS
Nat H. Marsh, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 19, 1949, Serial No. 128,501
4 Claims. (Cl. 260—564)

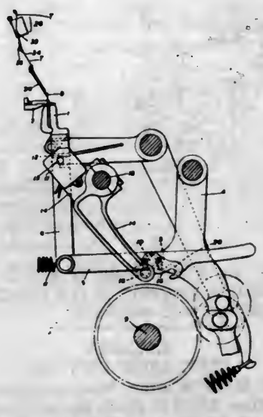
1. The method of preparing a guanidine salt which comprises reacting ammonia and carbon monoxide and a member of the group consisting of ammonium chloride, ammonium sulfate, hydrogen chloride, and sulfuric acid at a temperature within the range of 210–450° C., under a pressure of at least 100 p. s. i., in the presence of an activated carbon catalyst which has been predried to render it anhydrous and recovering the thus formed guanidine salt.

2,571,912
PREPARATION OF MELAMINE
Nat H. Marsh, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 21, 1950, Serial No. 175,286
3 Claims. (Cl. 260—249.7)

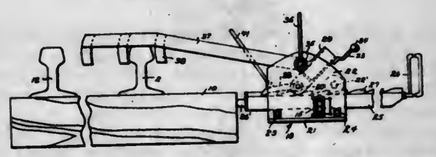
1. The method of making melamine that comprises heating together ammonia, carbon dioxide and hydrogen cyanide at a temperature of at least 200° C. and at a pressure of at least 500 p. s. i., and separating melamine from the thus-formed reaction mass.

2,571,913
STOP MOTION FOR KNITTING MACHINES
Charles Stanley Martin, Leicester, Lewis Henry Colton, West Bridgford, Nottingham, and Albert Edward Cooke, Leicester, England
Application December 5, 1946, Serial No. 714,182
In Great Britain November 15, 1945
5 Claims. (Cl. 66—99)

1. In a knitting machine of the type having means for driving it, needles, a needle bar, and a presser, which bar and presser are relatively movable in each knitting cycle to cause the needles to press; a stop motion including a detector for detecting the occurrence of a fault while the machine is knitting and power-operated means, functioning upon the detection of a fault and while the machine is still running and deriving its power from said driving means, for preventing the needles from pressing by modifying the relation between the needle bar and the presser.



2,571,914
RAILROAD TIE REMOVER
Emil W. Maves, Stanley, Wis., assignor of one-half to A. R. Heagle, Stanley, Wis.
Application August 13, 1947, Serial No. 768,433
1 Claim. (Cl. 254—43)

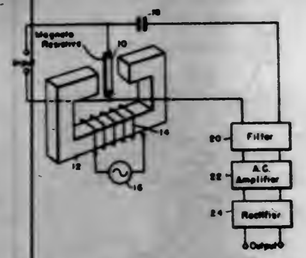


In a railroad tie remover, the combination which comprises a rack bar having ratchet teeth in the upper edge adapted to be positioned against one end of a railroad tie and suspended whereby it is aligned with the tie, a carrier comprising a base having upwardly extended side plates positioned around the rack bar and having guide rollers positioned above and below the said rack bar, a socket member positioned in the upper part of the carrier, a pin pivotally mounting the said socket member in the side plates of the carrier with the said socket member positioned above the rack bar, a pawl pivotally mounted on the lower end of the said socket member at a point spaced below the pin pivotally mounting the socket member in the side plates of the carrier, said pawl positioned to engage the said ratchet teeth of the rack bar, a forwardly extended arm having downwardly extended projections thereon positioned to engage a rail on the said tie pivotally connected to the said socket member by the pin mounting the said socket member in the side plates of the carrier, and a handle extended from the said socket member.

2,571,915
DIRECT-CURRENT AMPLIFIER
Arthur O. McCoubrey, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1949, Serial No. 114,748
6 Claims. (Cl. 332—51)

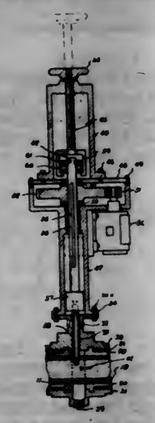
1. An electrical amplifier comprising a control element formed of magnetoresistive material,

means for connecting a signal to be amplified across said element, means for subjecting said



element to an alternating magnetic field, and means directly responsive to the potential drop of said signal across said element.

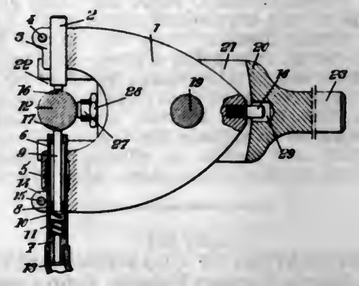
2,571,916
PIPE-LINE DEVICE
Major R. McKinley, Monongahela, Pa.
Application April 9, 1946, Serial No. 660,795
13 Claims. (Cl. 137—73)



1. In a fitting adapted to be mounted on a pipe length, a pair of sleeve members adapted to be mounted on the pipe in an opposed and spaced apart relationship with respect to each other along a line of severance of the pipe, a housing member rotatably positioned on said sleeve members and defining a chamber with the spacing therebetween, said housing member having a fluid passageway extending therethrough and connected to said chamber, a cutter housing adapted to be mounted on said rotatable housing over said passageway and defining a chamber with said passageway, and cutter means operatively positioned in said cutter housing to extend along said second-mentioned chamber and along said passageway through said first-mentioned chamber to engage the pipe between said pair of sleeve members at the line of severance of the pipe.

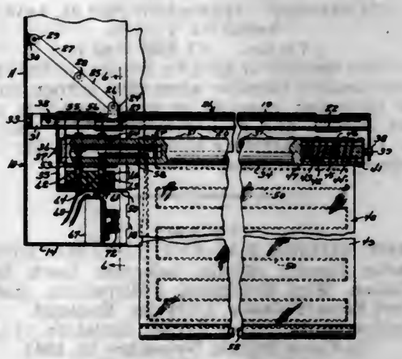
2,571,917
OPPOSED CONTACT GAUGE AND GUIDES
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme de Construction de Materiel Automobile (S. A. C. M. A.), Neuilly-sur-Seine, France, a society of France
Application January 21, 1948, Serial No. 3,497
In France May 14, 1947
6 Claims. (Cl. 33—143)

1. A device for measuring or checking the dimensions of a piece of work which comprises, in combination, a guide member supported independently of said piece of work, at least two guiding abutments for said piece of work carried by said guide member opposite each other at a distance from each other a little greater than the corresponding dimension of said piece of work so that said piece can pass with a slight play between them, a C-shaped support movably interconnected with said guide member to permit small relative displacements of the C-shaped sup-



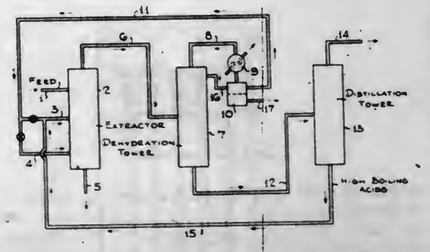
port branches in a direction at least substantially parallel to a line joining the work engaging faces of said two guiding abutments, a contact member carried by one branch of said C-shaped support in fixed position thereon, a contact member carried opposite said fixed contact member by the other branch of said C-shaped support movably with respect thereto in the above mentioned direction, and means for measuring relative displacements of said movable contact member with respect to said C-shaped support.

2,571,918
APPARATUS FOR DRYING ARTICLES OF CLOTHING OR WEARING APPAREL
Stephen H. Meninger, Clifton, N. J.
Application September 7, 1950, Serial No. 183,504
6 Claims. (Cl. 219—19)



1. In a drying apparatus, a vertically disposed cabinet, a canopy pivotally connected to said cabinet and mounted for movement into and out of the latter, a roller rotatably supported by said canopy, a flexible body member including a pair of sheets secured to said roller, and conductor filaments positioned between said sheets and adapted to be connected to a source of electrical energy.

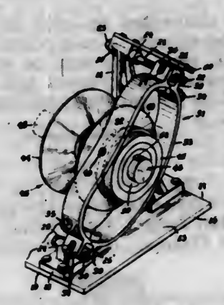
2,571,919
PROCESS FOR CONCENTRATING AQUEOUS ACID SOLUTIONS UTILIZING COMBINATIONS OF LOW AND HIGH BOILING SOLVENTS
Charles E. Morrell, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 2, 1948, Serial No. 63,027
6 Claims. (Cl. 260—419)



1. A process for concentrating a lower fatty acid present in a dilute aqueous solution along with higher boiling carboxylic acids which comprises the steps of feeding the aqueous solution to an upper portion of an extraction zone; extracting the lower fatty acid in the extraction zone with an extracting medium comprising a low boiling organic solvent which enters the extraction zone at a lower and intermediate portion, and a higher boiling carboxylic acid which enters the extraction zone at the intermediate portion, at least a substantial part of the low-boiling organic solvent being introduced below the point of entry of the high-boiling carboxylic acid, the weight ratio of the high-boiling carboxylic acid to low-boiling solvent being in the range of 1/10 to 2/1; recovering a resulting extract phase containing low boiling solvent, lower fatty acid, water, and higher boiling carboxylic acids; distilling off the water and low boiling organic solvent from the extract phase in a first distillation step in a dehydration distillation zone; discharging the residual liquid bottoms predominantly lower fatty acid and higher boiling carboxylic acids mixture from the dehydration zone; distilling off the lower fatty acid in a second distillation step from the liquid bottoms mixture from the first distillation step; distilling a fraction of the higher boiling acids from the residual liquid from the second distillation step in a third distillation step and recycling the residual liquid acid bottoms from the third distillation step to the intermediate portion of the extraction zone.

2,571,920
VARIABLE-SPEED DRIVE CONTROL FOR SPINNING FRAMES
John S. Michie and Paul B. Reeves, Columbus, Ind., assignors to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application November 12, 1949, Serial No. 126,862
3 Claims. (Cl. 74—230.17)

1. A variable-speed drive control assembly for spinning frames or the like, comprising a bed plate adapted to be mounted with one end adjacent the drive end of a spinning frame, a standard fixedly supported adjacent the other end of said plate at one side of a median line thereof, and a base fixedly supported adjacent said other end of said plate at the other side of said line, said plate being adapted to support an electric motor adjacent said one end of said plate with its spindle projecting toward said other plate end and located substantially with its axis in the vertical plane including said median line, a pin carried by said base with its axis substantially parallel with said median line, a trunnion block mounted on said pin and provided with aligned, spaced trunnion surfaces transaxially related to said pin, a yoke provided at one end with furcations straddling said trunnion surfaces, a screw journalled in said standard upon an axis substantially parallel with said pin axis, a second trunnion block threadedly mounted on said screw and provided with aligned, spaced trunnion surfaces transaxially related to said screw, said yoke being provided at its opposite end with furcations straddling said trunnion surfaces of said second trunnion block, bearing means, said yoke, intermediate its ends, being pivotally engaged with said bearing means upon an axis parallel with said trunnion surface axes, an expansible V-pul-

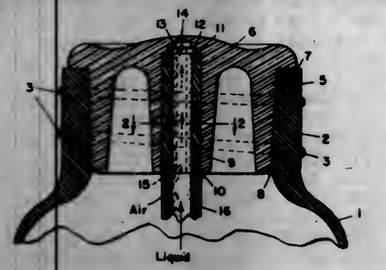


ley comprising a coned disc having a hollow hub axially elongated in the direction in which its coned surface faces, said hub being adapted to be sleeved on the spindle of such a motor, and a mating coned disc slidably telescoped on said hub and having an axially elongated hub retreating from its coned surface, said bearing means being sleeved on said last-named hub, and said last-named hub being provided with a shoulder facing the free end of said hub and engaged by said bearing means, a resiliently-expansible V-pulley comprising a coned disc having a hollow hub axially elongated in the direction in which its coned surface faces and adapted to be sleeved on, and supported by, the main shaft of such spinning frame, a mating coned disc slidably telescoped on said hub, and spring means cooperating with said discs to urge the same toward each other, and an edge-active belt for providing a driving connection between said pulleys.

2,571,921
ATOMIZER OF SINGLE PIECE CONSTRUCTION
Robert Morris, Flushing, N. Y.
Application June 2, 1948, Serial No. 30,531
2 Claims. (Cl. 299—90)

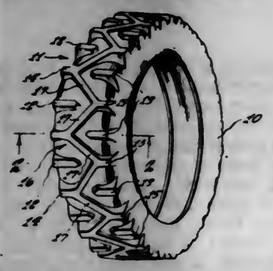
1. An atomizer comprising a flexible container adapted to hold a liquid and having an opening therein, a single piece elastic atomizing head unit inserted in said opening, said head unit having a central circular depending portion thereon, a tube inserted in a central bore in said depending portion of said head unit and extending into liquid contained in said container, diametrically opposed grooves in said depending portion of said head unit contiguous with said tube in said central bore, a cylindrical chamber in said head unit above said tube, said tube opening into said cylindrical chamber, a mixing chamber in said head unit above said cylindrical chamber and

emerging therefrom, said grooves in said unit extending from the lower extremity thereof to said cylindrical chamber opening thereinto and through said chamber opening into said mixing chamber, and said head unit having a spray out-



let therein connected to said mixing chamber whereby upon squeezing said container liquid will flow through said tube and be mixed with air flowing through said grooves and the atomized mixture will be forced from said spray outlet as a fine spray.

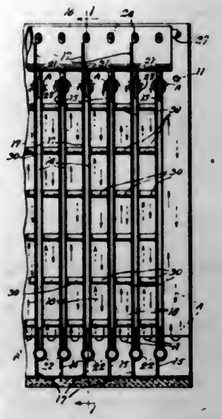
2,571,922
TRACTOR TIRES
Harry Floyd Morrison, Moran, Kans.
Application June 3, 1949, Serial No. 96,993
2 Claims. (Cl. 152—209)



1. A tire having a tread including a zig-zag circumferential ridge, said ridge being composed of a plurality of straight sections of equal length joined end to end, each of said sections successively crossing from one side of the median plane through the tire to the other side thereof, the angle between each of said sections and said median plane being constant, the junctions of said sections on each side of said plane being spaced at equal distances from the corresponding side of the tire, transverse ridges lying in radial planes through the tire extending from said junctions in a direction outward from said median plane to the sides of the tire, and additional transverse ridges of constant length on each side of said zig-zag ridge, said additional ridges on each side of the zig-zag ridge being positioned intermediate said first-named transverse ridges on that side of the zig-zag ridge and extending from the side of the tire in the direction of said median plane but terminating short of and hence spaced from said zig-zag ridge.

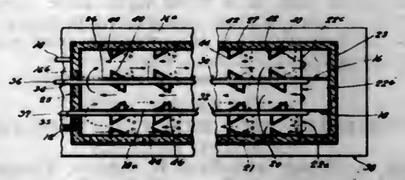
2,571,923
LIQUID COOLING APPARATUS
Joseph I. Morrison, Lincolnwood, Ill.
Application December 30, 1948, Serial No. 68,198
6 Claims. (Cl. 62—141)

1. An ice-forming and melting apparatus comprising a tank, having an inlet and an outlet, for containing water to be frozen, melted and circulated in a tortuous passageway from the inlet to the outlet, a plurality of juxtaposed, two-faced refrigerant-receiving and heat-transferring devices, each provided with an extensive heat transfer surface on each face thereof and constructed and arranged to receive refrigerant for congealing a liquid on said surfaces, mounted in said tank, said heat transfer surfaces lying in generally parallel planes to provide a plu-



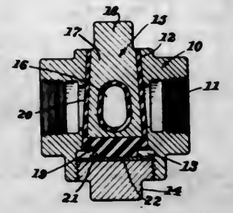
rality of parallel flow spaces, partitions, extending from an intermediate portion of one heat transfer surface to another, parallel to said flow spaces, to provide additional parallel flow spaces, said surfaces lying in generally vertical planes, the water flow being underneath the lower edges of all said partitions, and a refrigerant container above said partitions with respect to which said partitions have a water-tight connection, for supplying liquid refrigerant to said devices and receiving gasified refrigerant therefrom.

2,571,924
ICE FORMING AND ICE MELTING COOLING SYSTEM
Joseph I. Morrison, Lincolnwood, Ill.
Application February 8, 1949, Serial No. 75,265
16 Claims. (Cl. 62—141)



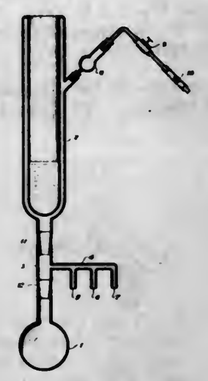
1. A cooling system comprising a reservoir having a plurality of spaced baffle members mounted therein, a cooling tank operatively connected to said reservoir, means for circulating a common liquid through said reservoir and tank, a refrigerator for said reservoir having a refrigerant-receiving and heat-transferring assembly juxtaposed said baffle members, and fin-like members mounted on said baffle members and extending into the space formed intermediate adjacent baffle members and extending substantially across the width of the flow stream to restrict the thickness of the flow stream whereby the melting of the ice will not materially change the effective cross-sectional area of the flow stream.

2,571,925
VALVE
Lucien W. Mueller, Walter J. Bowan, and Wallace E. Gould, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application April 13, 1945, Serial No. 588,095
1 Claim. (Cl. 251—101)



In a valve, a casing including a flow passageway and a tapered seat extending transversely of the passageway, a ported and tapered plug rotatable in the casing seat, the casing being provided with a chamber opening to the larger end of its seat, a cap adjustably threaded in the chamber, the plug being provided with a body of resilient material at its larger end contacting with the inner surface of the cap to thereby normally hold the plug in seated position, the resilient material of said body extending over the seating surface of the plug.

2,571,926
PREPARATION OF ORGANIC MATERIALS
Arthur Murray, III, and Anthony R. Ronzio, Los Alamos, N. Mex., assignors to the United States of America as represented by the United States Atomic Energy Commission
Application October 18, 1948, Serial No. 55,174
1 Claim. (Cl. 23—78)



The process of producing barium cyanamide which comprises introducing barium carbonate into a flask, flushing the flask with purified nitrogen gas, adding under the protection of a stream of said nitrogen gas, shiny barium metal and a crystal of ferric nitrate catalyst to the flask, introducing liquid ammonia therein and allowing the conversion of the barium metal to barium amide to take place, evaporating the remaining liquid ammonia, and heating the contents of the flask at a temperature between about 500° C. and 900° C..

2,571,927
ELECTROLYTIC CELL AND, IN PARTICULAR, ALKALINE CELL
Georg Neumann and Uscha Gottesmann, Paris, France, assignors to "Bureau Technique Gantrat," S. A. R. L., Paris, France, a society of France
Application January 29, 1949, Serial No. 73,608
In France December 20, 1947
5 Claims. (Cl. 136—6)

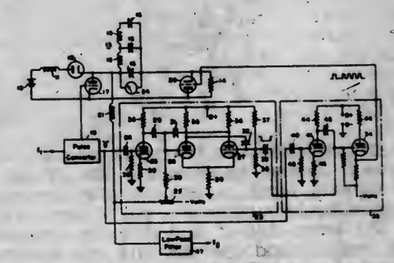


1. An electrolytic cell of the type described comprising a sealed vessel capable of confining under pressure the gases generated therein, and in said vessel a negative electrode, a positive electrode, an immobilized liquid electrolyte between limited areas of the surface of one electrode and the surface of the other electrode, free gas passages through electrolyte-free gas spaces between other areas of opposite surfaces of said electrodes, and a film of the electrolyte on said latter areas, said latter film-covered areas on either electrode causing thereon depolarization and recombination of a substantial amount of the gas developed at the electrode of the opposite polarity.

2,571,928
RESINOUS COMPOSITIONS COMPRISING A STYRENE ISOOLEFIN COPOLYMER AND A VINYL POLYMER
Raymond G. Newberg, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 4, 1947, Serial No. 784,071
10 Claims. (Cl. 260—45.5)

10. A composition of matter comprising a homogeneous dispersion of a copolymer of styrene and an isoolefin of 4 to 8 carbon atoms, a solid vinyl polymer and a non-volatile solvent for the vinyl polymer.

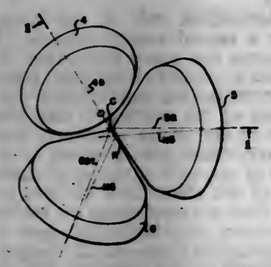
2,571,929
PULSE COUNTER CIRCUIT
Albert A. Nims, Jr., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1950, Serial No. 155,821
19 Claims. (Cl. 250—27)



1. A pulse circuit comprising a low voltage source, a pulse-forming network, means for charging said network from said source, recycling means normally energized for causing the voltage across said network periodically to reverse and

appear in series with the voltage from said source whereby through the recycling a desired high voltage is built up across said network, and means connected to said network for deenergizing said recycling means when the desired high voltage has been built up.

2,571,930
DRILL BIT
Wiley B. Noble, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 11, 1946, Serial No. 702,712
3 Claims. (Cl. 255—71)



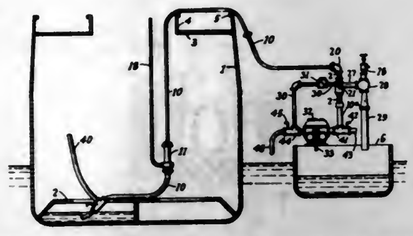
1. A three cone rotary bit comprising, a head having a trio of cone cutters rotatably mounted thereon upon downwardly and inwardly inclined supports, two of said cutters being relatively larger than the third relatively smaller cutter, the axis of rotation of the smaller cutter lying in a vertical plane which is radial to the bit head and the axes of rotation of the relatively larger cutters lying in vertical planes which are non-radial to the bit head, the axes of the three cutters intersecting at a common point between the outer end of the smaller cutter and the axis of rotation of the bit head, said relatively larger cutters extending on both sides of a common plane which is axial to the bit head with the apices of said larger cutters being positioned on the same side of said axial plane as the smaller cutter.

2,571,931
STRESS BREAKER
Stanley E. Noyes, Glendale, Calif.
Application April 15, 1948, Serial No. 21,297
3 Claims. (Cl. 32—5)



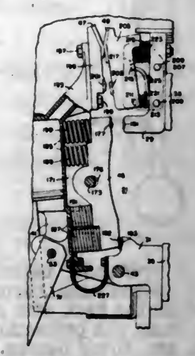
1. An artificial tooth having an opening in the side wall thereof intermediate the crown and base of said tooth, a link member secured in said opening by means of a pin in such manner that the lower side of said link lies against the lower wall of said opening and the upper side and end of said link adjacent said pin are spaced from the upper and end walls of said opening, and a fastening member secured to the free end of said link member, said link member being movable about said pin in said side wall opening of the artificial tooth.

2,571,932
APPARATUS FOR PUMPING VISCOUS MATERIALS
Bengt Olsson, Brooklyn, N. Y.
Application March 16, 1946, Serial No. 654,949
5 Claims. (Cl. 103—5)



1. In a pumping apparatus for viscous material, the combination comprising a transmission line, vacuum creating means connected to the end of said line adjacent the discharge end thereof, an ejector nozzle interposed at an intermediate point in the line, separator means for separately discharging the pumped viscous material from the gaseous material transmitted from the line, a force pump connected to the discharge end of the transmission line at a level below said separator means and means for priming the vacuum in the suction chamber of said force pump, a clapper valve to prevent any liquid from entering said priming means, whereby when the vacuum in said separator means rises said clapper valve opens and automatically primes said force pump, and liquifying means comprising inlet pipes positioned and adapted to modify the pumped material entering the suction side of the force pump into a liquid state so as to ease the flow of material into the discharge chamber thereof.

2,571,933
AIR CIRCUIT BREAKER
Paul Olsson and Russell E. Frink, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1948, Serial No. 41,645
10 Claims. (Cl. 200—146)



1. A circuit interrupter comprising a pivotally mounted switch arm, means for actuating said switch arm to open and closed positions, a main bridging contact member pivotally mounted on said switch arm for limited movement relative thereto, two spaced stationary contacts engageable by said bridging contact members on actuation of said switch arm to closed position, separable arcing contact means actuated by said switch arm for drawing an arm, and spring means disposed between said bridging contact member and said switch arm operable upon opening movement of said switch arm to rotate said main bridging contact member in opening direction relative to said switch arm whereby at least one end of the main bridging contact member is separated from its corresponding stationary contact a greater distance than the arcing contacts when the arcing contact means are separated a distance most favorable for arc extinction.

2,571,934
PIPE CUTTER
Herbert C. Otis and John C. Luccous, Dallas, and Ira A. Miller, Houston, Tex.
Application February 19, 1945, Serial No. 578,780
19 Claims. (Cl. 164—0.7)



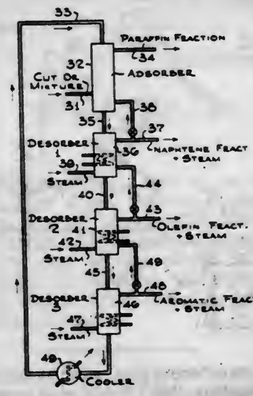
1. A well pipe cutter including, a support having means for anchoring it in a stationary position in a well pipe, cutter means supported by the support and rotatable with respect to the support in substantially a horizontal plane determined by the position of the support, means for forcing said cuttter means through the wall of the well pipe to cut the same, and means for rotating the cutter means through a series of predetermined angular displacements in said substantially horizontal plane on the support and cutter means to position it to form successive radially extending cuts in the pipe.

2,571,935
TELESCOPIC SIGHT MOUNT
Frank A. Pachmayr, Culver City, and Roger Howard Stokes, Los Angeles, Calif.
Application May 10, 1946, Serial No. 668,940
6 Claims. (Cl. 33—50)



1. In a device for mounting a telescopic sight on a gun, the combination of: a one-piece base adapted to be rigidly attached to the gun; a one-piece carriage adapted to receive and rigidly retain the telescopic sight; and centering means carried by said base and said carriage and providing an axis of rotation for said carriage for pivotally connecting said carriage to said base, said centering means comprising a pair of conical journals and a pair of conical bearings which are adapted to receive said journals, respectively, said bearings and said journals being spaced apart relative to said base and said carriage along said axis of rotation, said bearings facing each other and said centering means including means connecting said journals for increasing the spacing therebetween to seat said journals in said bearings, respectively.

2,571,936
SORPTION OF HYDROCARBONS BY ACTIVATED CARBON
John A. Patterson, Beverly, and Jerome P. Morgan, Maplewood, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application March 6, 1948, Serial No. 13,414
1 Claim. (Cl. 260—666)



A process for recovering cyclohexane from a C_6–C_7 hydrocarbon mixture containing cyclohexane together with paraffin, olefin and aromatic hydrocarbons by means of adsorption on activated carbon which comprises passing said carbon downwardly through an adsorption zone, introducing the C_6–C_7 hydrocarbon mixture in vapor phase into a lower portion of the adsorption zone, contacting the ascending hydrocarbon vapors countercurrently with the descending carbon whereby the cyclohexane, olefin and aromatic hydrocarbons become preferentially adsorbed on the carbon, removing unadsorbed hydrocarbons from an upper portion of the adsorption zone, withdrawing rich activated carbon containing adsorbed thereon cyclohexane, olefin and aromatic hydrocarbons from the adsorption zone and passing it downwardly successively through a first, second and third desorption zone, heating the activated rich carbon in the first desorption zone to a first desorption zone to a first desorption temperature of about 300° F. to liberate therefrom a cyclohexane stream, returning a portion of the cyclohexane as reflux to a lower portion of the adsorption zone, heating the activated carbon freed of cyclohexane but containing adsorbed olefins and aromatics thereon in the second desorption zone at a temperature higher than that in the first desorption zone, recovering a vapor stream of olefin hydrocarbons from the second desorption zone, returning a portion of the withdrawn olefin hydrocarbons to the first desorption zone, heating the activated

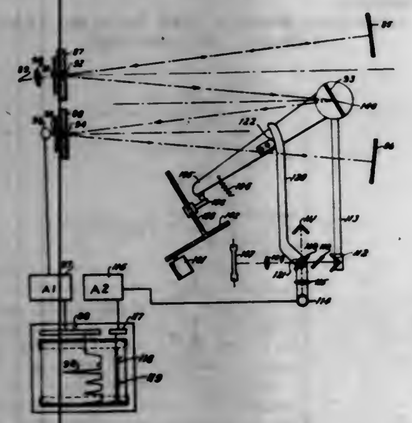
carbon containing adsorbed aromatic hydrocarbons in a third desorption zone at a higher temperature than in the second desorption zone but not above 550° F. to remove the aromatic hydrocarbons from the carbon, withdrawing the aromatic hydrocarbons from the third desorption zone and returning a portion thereof to the second desorption zone.

2,571,937

INTERFEROMETER WITH RIGHT-ANGLE REFLECTOR SURFACES AT END OF EACH DIVIDED BEAM

Edson R. Peck, Evanston, Ill., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application August 27, 1948, Serial No. 46,520
2 Claims. (Cl. 88—14)



2. In an interferometer, a light source, a dividing plate dividing light from said source into two parallel-ray light beams, each of which follows an optical path that terminates with a device having at least two right angle reflecting surfaces, said device being characterized by its ability to return an entering ray back along its associated optical path in a direction parallel to the entering ray, said devices cooperating to return the divided components of any given ray entering the dividing plate from said source to the same point on said dividing plate, whereby an interference pattern may be established for viewing and analysis, means for mounting one of said devices on a pivot arm for movement about a pivot removed from the apex of the right angle reflecting surfaces of said one device, means including a photocell, a photocell mounting, and an electrical circuit for indicating the number of interference fringes that pass a given point as said one reflecting device is moved by angular displacement of said pivoted arm, and means for shifting the photocell mounting in functional relation to the movement of said pivoted arm.

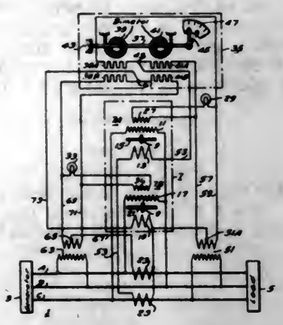
2,571,938

METER WITH SUPERVISORY WARNING INDICATOR

Ambrose J. Petzinger, Fair Lawn, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1948, Serial No. 12,089
5 Claims. (Cl. 177—311)

1. In an electrical meter device, an electroresponsive thermal meter, a voltage transformer having a secondary winding for supplying electrical energy to the thermal meter, an integrating meter having a voltage winding and having an auxiliary winding inductively coupled to the voltage winding, an electroresponsive indicating device, and connections connecting the secondary winding and the auxiliary winding in series for



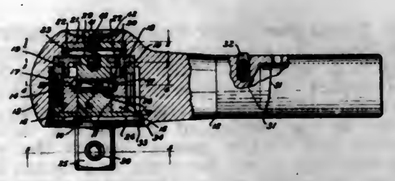
energizing the indicating device, the secondary winding and the auxiliary winding being designed to provide voltages for energizing the indicating device to present different indications when the voltage windings are in operating condition and when the voltage transformer or the voltage winding is defective.

2,571,939

RATCHET MECHANISM

Edward M. Pfauser, Elm Grove, and Siegmund Mandl, Milwaukee, Wis., assignors to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application May 6, 1948, Serial No. 25,354
3 Claims. (Cl. 192—43.2)



1. A ratchet mechanism comprising, a one-piece hollow head swingable about its central axis and having an annular series of integral internal teeth surrounding said axis, one end of said head being entirely open while its opposite end is provided with an integral inwardly directed flange forming a restricted central opening, a one-piece cylindrical lug journalled for rotation about said axis within said tooth series and having a work propelling shank remote from said flange projecting from said open head end, said one-piece lug also having therein a pair of parallel tangential recesses each having rectangular cross-section bounded at all four corners by integral lug surfaces and said recesses being disposed within said tooth series on opposite sides of said axis and being connected by a medial passage, a dog slidably coacting with all of said four corner surfaces of each of said recesses, each dog being alternately engageable with said teeth through the opposite ends of its confining recess, a toggle strut extending through said medial passage and being swingable relative to said axis from one limiting radial position to another to urge said dogs in opposite directions, a shift plate confined between said head flange and said lug and being cooperable with said dogs, a single actuating button for said shift plate extending through said flange opening in axial alinement with said lug for swinging said strut from one limiting position to the other, and resilient means interposed between said lug and said button for constantly urging the latter into inactive position.

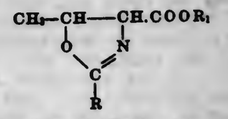
2,571,940

OXAZOLINES

Karl Pfister, III, Scotch Plains, and Max Tishler, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application January 26, 1946, Serial No. 643,751. Divided and this application September 16, 1947, Serial No. 774,426
3 Claims. (Cl. 260—307)

1. A stereoisomeric oxazoline characterized by two asymmetric carbon atoms and having the formula:



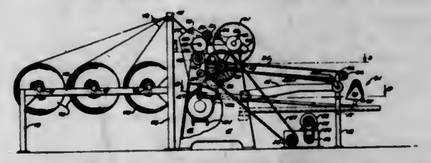
wherein R_1 is a lower alkyl group and R is an alkyl group; said oxazoline yielding dl-threonine upon hydrolysis.

2,571,941

AUTOMATIC SHEET CUTTING AND STACKING MACHINE

Frank R. Piper and James M. Gardner, Fairfax, Ala., assignors to West Point Manufacturing Company, West Point, Ga., a corporation of Georgia

Application May 13, 1949, Serial No. 93,172
8 Claims. (Cl. 164—68)



6. A cutting and stacking machine comprising intermittently operating means for cutting continuous sheet material into segments, a conveyor for conveying cut segments away from said cutting means, and a reciprocable stacking receiver disposed below the discharge end of said conveyor, means for driving said cutting means, conveyor and receiver at constant relative speeds, means for feeding continuous sheet material to said cutting means at variable relative speed whereby segments of varying length may be cut, and means for varying the time relationship of the stroke of said receiver relative to the operation of said cutting means.

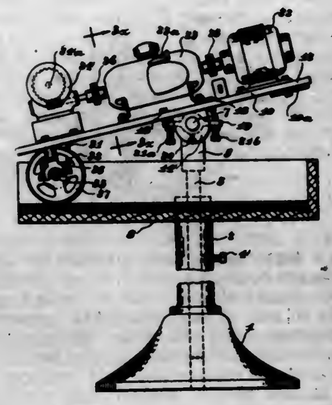
2,571,942

MACHINE FOR FEEDING PAPER

Rudolph Properzi, East Rochester, N. Y.

Application September 22, 1948, Serial No. 50,621
7 Claims. (Cl. 271—36)

1. In a machine for feeding sheets of paper, the combination of a horizontal shaft, a bearing mounted to tilt on said shaft, a table fastened on said bearing and extending on both sides thereof and adapted to tilt therewith, a feed wheel mounted upon and under the table near one end thereof, driving mechanism mounted on the table, gearing between the driving mechanism and the feeding wheel adapted to



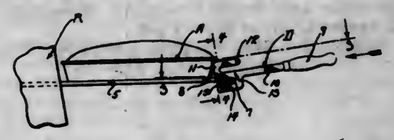
drive the feeding wheel, the center of gravity of said table, feed wheel, driving mechanism and gearing being located above said shaft, whereby tilting said table may position said center of gravity to one side or the other of said shaft, and stop means for holding the table in a predetermined position, when tilted in one direction with the wheel elevated.

2,571,943

COOKING RANGE RACK MANIPULATOR

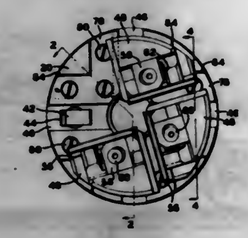
Helen M. Ray and Ralph A. Ray, Kenosha, Wis.; said Ralph A. Ray assignor by decree of distribution to said Helen M. Ray

Application May 27, 1949, Serial No. 95,656
1 Claim. (Cl. 294—1)



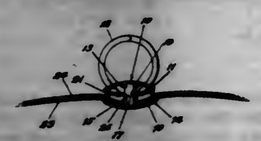
As a new article of manufacture an oven rack manipulator for cooking ranges struck from a single blank of sheet metal comprising a flat longitudinally extending shank, an arm on the forward end of the shank extending laterally from one edge thereof defining a stop for pans, a rearwardly extending leg on the arm forming in conjunction with the arm and the shank an oven rack engaging hook, a second arm on the shank intermediate the ends thereof and projecting laterally from the other edge of the shank in the opposite direction from the first arm, a forwardly extending leg on the second arm defining a stop for pans and in conjunction with the second arm and shank a throat for receiving oven racks.

2,571,944
ADJUSTABLE GIB CHASER HOLDER
Charles A. Reimschissel and Harry E. Davies, Waynesboro, Pa., assignors to The Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application July 22, 1947, Serial No. 762,586
4 Claims. (Cl. 10—95)



1. In a die head, a body member having slideways, chaser holders and chasers mounted therein, each of said chaser holders having a portion slideable in one of said slideways formed in said body member, said slideways being rectangular in cross section and consisting of a bottom planar surface and two rectangular side surfaces perpendicular to said bottom surface, and gibs retaining said chaser holder slide portions in said slideways, said chaser holder slide portions being in clearance relation to said bottom planar surfaces, said gib members being adjustable with respect to said slideways and having first bearing surfaces perpendicular to the axis of said head, said chaser holders having bearing surfaces which engage said first bearing surfaces on said gib members, second bearing surfaces on said gib members engaging said chaser holder slide portions on opposite sides, said second bearing surfaces being inclined with respect to both the bottom and side surfaces of said slideways in such a manner as to engage correspondingly inclined surfaces on said chaser holder to retain said chaser holder bearing surfaces in contact with said first bearing surfaces on said gibs.

2,571,945
LOOSE-LEAF BINDER
John A. Rennie, Laurelton, N. Y., assignor to Boorum and Pease Company, Brooklyn, N. Y., a corporation of New York
Application May 16, 1946, Serial No. 670,174
2 Claims. (Cl. 129—24)



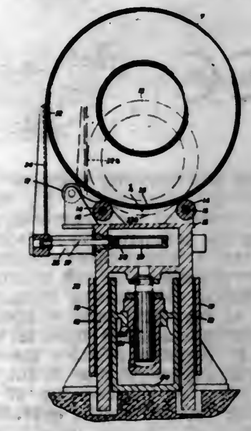
1. In a loose leaf binder having spaced rings, ring carrying means, a cooperating shield on one side of said ring means with slots in the midportion of its width, a base plate on the other side of said means having near its ends and integral therewith longitudinally spaced hollow prongs arcuate in cross section and struck upward from the surface of the base plate, the concave surfaces of said arcuate prongs facing oppositely to afford added resistance against opposite lengthwise pressures exerted on said base plate and shield, each prong having at its free end a terminal finger of reduced width, said fingers passing through the slots in the shield and being bent over to secure the base, ring carrying means and shield together, said shield and said base plate cooperating to hold said ring carrying means therebetween.

2,571,946
TUBULAR BANDAGE
Benjamin Rosenfield, New York, N. Y., assignor to The Scholl Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application August 6, 1949, Serial No. 108,986
4 Claims. (Cl. 128—157)



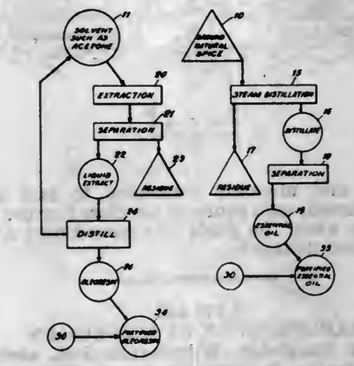
1. A combined multiple tubular bandage and applicator therefor comprising a longitudinally divided resilient, hollow applicator of sheet material having an open end and a closed end, a piece of tubular fabric closed medially and having the portions on both sides of the closure passed over the applicator with the closure at the open end of the applicator and closing it, whereby said tubular fabric may be applied to an extremity of the body by passing said extremity into the said open end and through the interior of the applicator thus stripping the bandage off the applicator and applying it to the said extremity.

2,571,947
ADJUSTMENT GAUGE FOR COILS
Robert Gordon Russell, Sheffield, England, assignor to Davy and United Engineering Company Limited, Sheffield, England
Application August 12, 1948, Serial No. 43,861
In Great Britain August 19, 1947
9 Claims. (Cl. 242—78)



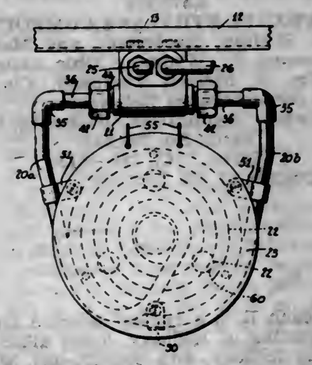
1. A power-driven automatic locating gear for locating a load relatively to a predetermined axis comprising a base frame, a cradle movable relatively to said frame and serving to receive the load, gauging means arranged to assess the relevant dimensons of said load upon said cradle, operating means for moving said cradle, and control means responsive to said gauging means for causing said operating means to locate the load relative to the predetermined axis.

2,571,948
SPICE EXTRACT AND METHOD OF PRODUCING
Louis Sair, Evergreen Park, and Lloyd A. Hall, Chicago, Ill., assignors to The Griffith Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application June 28, 1950, Serial No. 170,914
11 Claims. (Cl. 99—140)



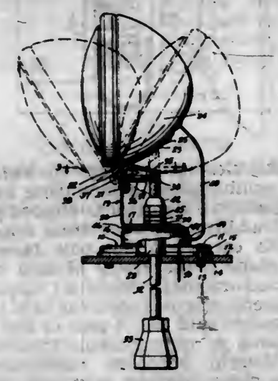
1. The method of treating natural spice to secure extractives therefrom, which comprises subjecting natural spice to the extracting action of a volatile solvent for the oil and oleoresin content of the spice, which solvent is readily separable by distillation from the volatile content of the spice oil dissolved therein to provide oleoresin extract substantially solvent-free, subjecting the residual solid spice material from said first-mentioned extraction to the extracting action of solvent selected from the group consisting of water-miscible polyhydric aliphatic alcohols and their water-miscible mono-ethers with monohydric aliphatic alcohols from methyl through butyl, whereby to dissolve non-volatile spice elements soluble in said solvent, separating by distillation the solvent in the resulting solution from the non-volatile spice elements dissolved therein, and fortifying an oleoresin extract of the same kind of natural spice with spice elements deriving from said spice material in said second extraction.

2,571,949
HOT-WATER HEATER
Joseph B. Sandler, Flushing, N. Y.
Application November 10, 1948, Serial No. 59,255
1 Claim. (Cl. 126—53)



A water heater of the character described comprising a water heating coil which is provided with co-axial end portions having flared ends, said end portions being inwardly directed toward each other, a fitting having co-axial bores formed therein to receive both the flared end portions of the coil, packing glands in said bores for providing a water-tight seal between said flared end portions and the fitting, inlet and outlet pipes connected to said fitting, passages being formed in the fitting to provide communication, respectively, between said inlet and outlet pipes on the one hand and said bores and flared end portions on the other hand, said passages being of L-shape, said bores and said L-shaped passages being continuous with each other, the bores being enlarged extensions of said L-shaped passages, annular shoulders being formed between said bores and said passages which serve as bearings for the flared ends of the end pieces on the coil.

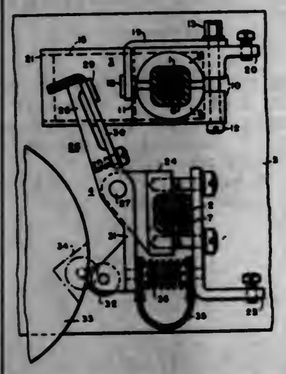
2,571,950
DIRIGIBLE SEARCHLIGHT FOR ATTACHMENT TO CAB ROOFS AND THE LIKE
Frederick Sauer, Fairfield, Conn., assignor to The Kilborn-Sauer Company, Fairfield, Conn., a corporation of Connecticut
Application February 7, 1949, Serial No. 74,925
1 Claim. (Cl. 240—61.13)



In a dirigible searchlight, a mounting base member having a horizontal top wall provided with an opening, a lamp unit including a casing, a hinged lamp support comprising upper and lower hinge members and a horizontal hinge joint connecting said hinge members for swinging movement of said upper hinge member relative to said lower hinge member, said upper hinge member being rigidly connected at its upper end to said lamp casing and including a normally vertically disposed portion between said casing and said hinge joint, said lower hinge member having a horizontal base portion engaged for rotary movement with said top wall of said base member and provided with an opening in axial register with said central opening of said top wall, a vertical shaft bearing sleeve disposed for rotary movement in said opening of said top wall, a vertical control shaft engaged for vertical sliding movement in said bearing sleeve and extending above and below said bearing sleeve, handle means carried by said shaft below said bearing sleeve for turning said shaft about its vertical axis and for vertically sliding said shaft in said bearing sleeve, and a normally horizontal longitudinally telescoping and transversely rigid operating connection between said upper hinge member and the upper end of said shaft comprising a sleeve member and a stud member

slideably engaged in said sleeve member, a horizontal hinge joint pivotally connecting the outer end of one of said connection members to the upper end of said shaft, and a rigid fastening rigidly securing the outer end of the other said members to said normally vertically disposed portion of said upper hinge member.

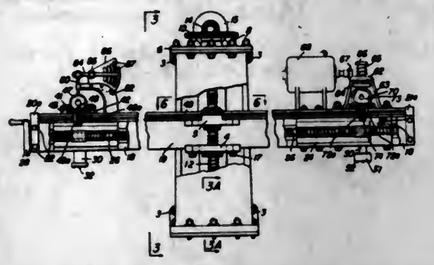
2,571,951
ELECTRICAL APPARATUS
Walter Schaelchlin, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1949, Serial No. 114,739
1 Claim. (Cl. 200—147)



A magnetic blowout structure for switches comprising in combination, a mounting bar of non-magnetic material, a pair of U-shaped permanent magnets straddling said bar from opposite sides thereof with corresponding pole faces lying in the same plane transversely of said bar, clamp means of non-magnetic material disposed about said permanent magnets securing said permanent magnets against said bar, a pair of flat rectangular pole pieces of magnetizable material having openings therein adjacent corresponding extremities to clear said bar, said pole pieces being respectively disposed against the pole faces of said permanent magnets and extending therebeyond in one direction in spaced relation, means securing said pole pieces against said pole faces, a contact strip secured to said clamp means and extending along said clamp means between said spaced pole pieces, and a contact secured to said contact strip between said spaced pole pieces, the plane of the contact face of said contact lying substantially parallel to the magnetic field between said spaced pole pieces.

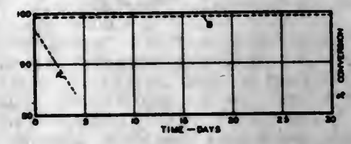
2,571,952
CONTOUR CUTTER
Werner C. Schilling, Weehawken, N. J.
Application October 12, 1945, Serial No. 622,023
5 Claims. (Cl. 90—13.5)

1. In a contour cutter wherein a support carries the tracing and cutting elements and a motor for vertically adjusting the tracing and cutting elements thereon, a tracer comprising a guide block, a guide head movable vertically in said guide block spring-biased downwardly, a spiral thread on said guide head, a train of gears journaled in said guide block operable by said spiral thread upon slight vertical movement of said guide head for moving the cutting element of the contour cutter in like direction, and a bracket fixed to said guide block, in combination with electrical contacts on said bracket for controlling the vertical adjustment motor of the contour cutter, a contact arm pivotally mounted on said



bracket and pivotally connected to said guide head, whereby said contacts are closed by the contact arm when the guide has moved over a predetermined distance.

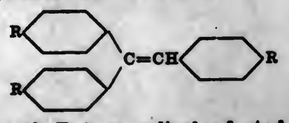
2,571,953
MANUFACTURE OF HYDROGEN
James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application September 19, 1947, Serial No. 774,907
2 Claims. (Cl. 23—212)



1. In the catalytic process for manufacturing hydrogen from steam and hydrocarbon, the improvement which comprises passing a gaseous mixture of steam and hydrocarbon over a catalytic body maintained at a temperature of from about 1100° F. to about 2400° F., said catalytic body comprising a dehydrogenation catalyst in association with a calcined, naturally occurring mineral carrier, at least 80% of the calcined carrier being alumina and iron oxide and the remainder being substantially completely composed of silica said carrier being substantially free from materials vitrifiable at temperatures below 2400° F.

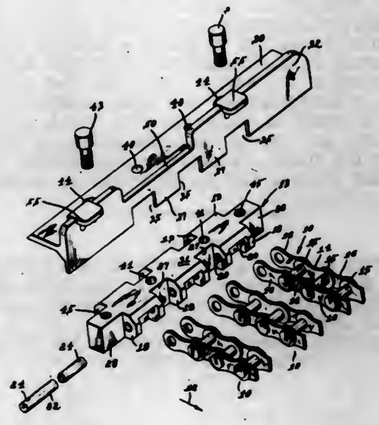
2,571,954
TRIS-PHENYL ETHYLENE COMPOUNDS
Robert S. Shelton, Mariemont, and Marcus G. Van Campen, Jr., Wyoming, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware
No Drawing. Application October 25, 1947, Serial No. 782,232
7 Claims. (Cl. 260—613)

1. Compounds of the formula:



in which each R is a radical selected from the group consisting of hydroxy, lower alkoxy, lower aliphatic carboxy, and benzoyl-oxy, with the proviso that at least one of the radicals R is hydroxyl.

2,571,955
REMOVABLE BLANK FEEDING SLAT
Albert F. Shields, Forest Hills, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application March 1, 1949, Serial No. 78,991
3 Claims. (Cl. 198—175)

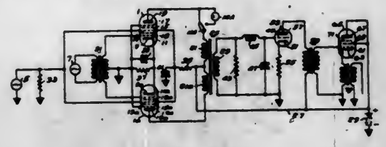


3. A removably mountable feed slat for box blank feeding machines of the type utilizing a continuously movable chain comprising a horizontal substantially flat support member; a feed member carried thereby and normal thereto; securing means; openings in the flat member for receiving said securing means; said chain having a block substituted for at least one of the links thereof; said block being releasably interengageable with said securing means; said feed slat having a cut-out in the upper surface thereof to permit passage beneath a blank hold-down member.

2,571,956
CLEANING COMPOSITION FOR REMOVING ASPHALTIC COATINGS
Jere C. Showalter, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
No Drawing. Application October 12, 1949, Serial No. 121,051
5 Claims. (Cl. 252—161)

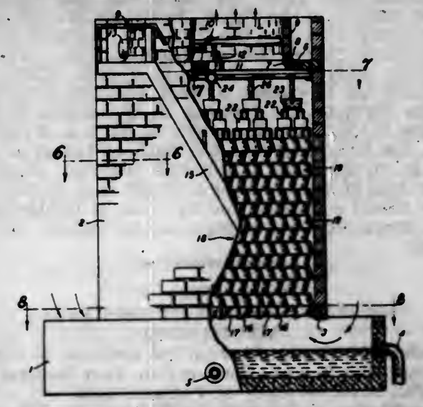
1. A composition adapted to be used in removing asphaltic bodies from surfaces coated with same consisting of an aromatic hydrocarbon solvent boiling in the range between 300° F. and 500° F. in an amount in the range between 25% and 75% by volume, hydrophilic low molecular weight alkali metal petroleum sulfonates having a molecular weight in the range between 325 and 400 in an amount in the range between 5% and 33% by volume, a hydrocarbon lubricating oil fraction having a viscosity in the range between 75 and 300 S. S. U. at 100° F. in an amount in the range between 5% and 50% by volume and hydrophobic high molecular weight alkali metal petroleum sulfonates having a molecular weight in the range between 400 and 500 in an amount in the range between 5% and 12% by volume.

2,571,957
SINGLE SIDE-BAND DEMODULATOR SYSTEM
John B. Singel, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 2, 1946, Serial No. 707,478
1 Claim. (Cl. 250—20)



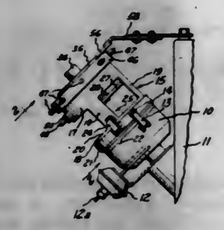
In a single sideband demodulator for combining two alternating quantities, a pair of tubes each having a cathode, an anode, and a pair of grid electrodes, a first source of substantially constant frequency alternating voltage, means for coupling said first source between a grid of one tube and a corresponding grid of the other tube, an alternating current single sideband signal source, means for coupling said signal source in parallel relation between the cathodes of said tubes and other corresponding grids thereof, an untuned output circuit coupled between the anodes of said tubes, the amplitude of the voltage from said first source being small compared to the amplitude of the voltage from the signal source.

2,571,958
COOLING TOWER
Gibbs M. Slaughter and George Puls, Fort Worth, Tex.
Application September 27, 1948, Serial No. 51,452
1 Claim. (Cl. 261—95)



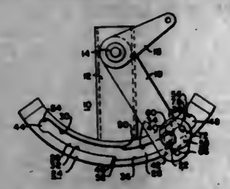
A cooling tower comprising, in combination, a rectangular basin, a case supported on said basin inwardly of the ends thereof, a deck covering the upper end of said case, an annular upturned cowling around an opening in the center of said deck, a driven fan mounted in said opening and arranged to draw air upwardly therethrough, inverted T-beams arranged in spaced parallel relation across the lower end of said case, cells having vertical openings therethrough supported on the flanges of said T-beams, other cells stacked on the first said cells, downwardly directed water outlets in the upper end of said case and beneath said deck, upright distribution overflow buckets beneath said outlets and supported on the top of said cells.

2,571,959
TESTING AND ADJUSTING DEVICE FOR INTERNAL-COMBUSTION ENGINE IGNITION SYSTEMS
Eugene A. Smith, Dallas, Tex.
Application April 19, 1948, Serial No. 21,773
11 Claims. (Cl. 175—183)



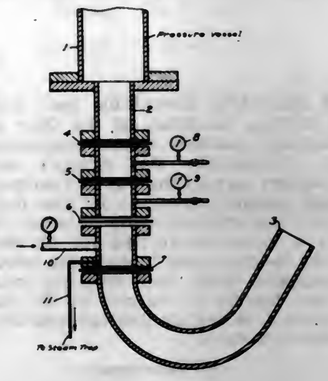
3. An ignition testing device for testing the functioning of an internal combustion engine ignition distributor having interlocked separable cap and body portions and having ignition wires leading to the ignition coil and spark plugs of the engine and containing a rotatable shaft and rotor and a cam on said shaft actuating breaker points in the body, said testing device including, a body constructed and arranged to fit on the distributor body as a replacement for the distributor cap, a rotatable member in the body arranged to be rotated by the distributor shaft, an electrical conductor carried by the rotatable member for conducting ignition sparks to the spark plug wires, a shield member carried by the rotatable member in the body and rotatable therewith, said shield member having a narrow radially extending light opening therein, a lamp in the body and covered by the shield member so that light from the lamp will pass through the opening in the shield, means electrically connecting the lamp in the circuit by means of which electricity passes through the distributor breaker points whereby the lamp is lighted when the points are in closed contact and the light will pass through the opening in the shield as the same is rotated to form arcs of light, and indicia on the body adjacent the path of travel of the light opening in the shield member whereby the arcs of light passing through said opening as the shield is rotated and the lamp is lighted may be measured by readings on the indicia on the body.

2,571,960
GROUNDING SWITCH OPERATING MECHANISM
Charles W. Smith, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh Pa., a corporation of Pennsylvania
Application October 20, 1949, Serial No. 122,400
10 Claims. (Cl. 74—528)



1. In an operating mechanism for effecting the movement of a transformer grounding switch between an open position, a transformer position, and a ground position, in combination, a support member for the operating mechanism, a member having a longitudinal recess therein affixed to the support member, an arm member pivotally mounted on the support member, a shaft rotatably carried by the arm member, recess engaging means carried by the shaft disposed for movement longitudinally of the recess, a plurality of restraining means disposed in spaced relation along the recess to correspond to the open, transformer and ground positions of the switch, one of the restraining means cooperating with the recess engaging means for effecting a positive stop of the switch at the transformer position during a movement of the switch from the open position to the ground position, and means carried by the shaft disposed to cooperate with the arm member when the recess engaging means is in any one of the open, transformer and ground positions for locking the recess engaging means in such position.

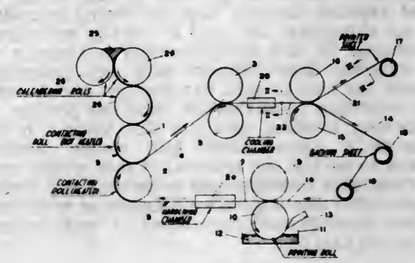
2,571,961
SAFETY DEVICE FOR PRESSURE VESSELS
Lloyd B. Smith, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 19, 1948, Serial No. 15,901
4 Claims. (Cl. 220—88)



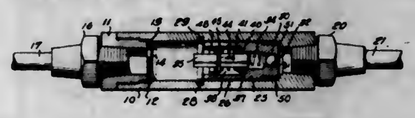
1. A safety device for use on pressure vessels comprising a pipe of substantial capacity connected to the pressure vessel, at least two imperforate frangible discs positioned within and closing off said pipe at displaced points within the pipe, whereby a closed chamber is provided bounded by the two frangible discs and the portion of the pipe between the two discs, each of said frangible discs having about the same high pressure rupture limit, and a conduit entering into said closed chamber providing a large volume of low pressure non-combustible fluid to said chamber.

2,571,962
PROCESS FOR THE DECORATIVE PRINTING OF POLYVINYL CHLORIDE SHEETS
Leland H. Smith and Frank M. Smith, Granville, N. Y., assignors to The Decora Corporation, Fort Edward, N. Y., a corporation of New York
Application November 5, 1947, Serial No. 784,119
5 Claims. (Cl. 154—97.5)

1. The method of making a figured thermoplastic sheet which includes: calendering a plasticized thermoplastic polyvinyl chloride composition to produce an incompletely shaped thermoplastic elastic sheet; heating a flexible, substantially non-elastic continuous carrier sheet printed with an unplasticized thermoplastic polyvinyl chloride printing composition to cause softening of the printing composition; thereafter progressively contacting the printed surface of the heated non-elastic sheet with the surface of the partially preformed thermoplastic elastic sheet under pressure to cause completion of the shaping of the thermoplastic elastic sheet and imbedding the printing composition therein; cooling the contacted sheets to a temperature below the setting point of the printing composition; and, subsequently, stripping the non-elastic sheet from the figured thermoplastic shaped elastic sheet.

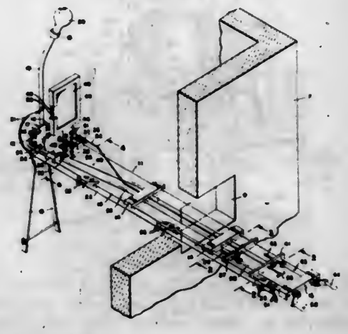


2,571,963
HYDRAULIC BRAKE CONTROL DEVICE
William Stelzer, Summit, N. J., assignor to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey
Application July 21, 1947, Serial No. 762,372
8 Claims. (Cl. 188—152)



7. A hydraulic brake control device comprising a cylinder adapted to be arranged in a hydraulic brake line and having inlet and outlet ends communicating with such lines, a main plunger in said cylinder having clearance with respect to the inner wall thereof and normally arranged at a limit of movement toward said inlet end and being movable toward said outlet end, a sealing ring carried by said cylinder and engaging said main plunger until the latter approaches said outlet end, whereupon such plunger becomes free of said sealing ring for the flow of hydraulic fluid from said inlet end to said outlet end through said clearance, said main plunger having a plurality of successive axial bores communicating with each other and with said inlet and outlet ends, an auxiliary plunger within said main plunger, a ball check valve normally closing communication through one of said bores, a spring arranged between said auxiliary plunger and said check valve to normally retain the latter seated toward said outlet end, a spring arranged in one of said bores and seated with repsect to said auxiliary plunger, and a second check valve controlling communication through said bores and urged to closed position toward said outlet end by said second-named spring.

2,571,964
APPARATUS WITH REFLECTOR AND ILLUMINATING MEANS FOR VIEWING FURNACE INTERIORS
Clinton E. Stevens, Philadelphia, Pa.
Application June 28, 1949, Serial No. 101,784
2 Claims. (Cl. 88—74)



1. In apparatus for insertion into a furnace for viewing the interior, an elongated frame comprising spaced bars adapted to be inserted through an opening in the furnace wall, supporting legs for the inner end of the frame pivotally mounted on a horizontal axis on the inner end of the frame and swingable from a position for insertion aligned with said frame to supporting position with the ends of said legs spaced downwardly from the frame, a source of light, a supporting arm for said light source pivotally mounted on the inner end of said frame on a horizontal pivotal axis and movable from a position for insertion aligned with said frame to an upwardly extending position for illuminating said furnace interior, a reflector, a pivotal reflector mounting on said reflector having a predetermined pivotal axis, an additional pivotal reflector mounting interposed between said first reflector mounting and the inner end of the frame, said additional pivotal mounting having its pivotal axis normal to the pivotal axis of the first reflector mounting, operating connections from said reflector mountings and said supporting arm to the outer end of the frame, and manual operating members for each of said operating connections.

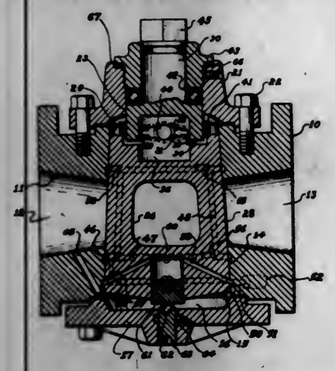
2,571,965
PROCESS FOR PRODUCTION OF RADIOACTIVE IRON
John A. Swartout, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application September 7, 1950, Serial No. 183,657
8 Claims. (Cl. 204—154)

1. A process for the production of radioactive iron which comprises subjecting magnesium ferrocyanide to neutron bombardment and separating the resulting water-insoluble fraction from the bombarded material.

2,571,966
LUBRICATED VALVE
Frederick Tratzik, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application February 11, 1946, Serial No. 646,850
4 Claims. (Cl. 251—93)

1. In a valve, a casing member provided with a flow passageway and a seat bore, a ported

valve member mounted in the seat bore, a lubricant chamber communicating with the seat bore, the chamber being recessed into one end of the valve member, a wall member closing the outer end of the chamber and arranged to fixedly bear upon an opposed wall of the cas-

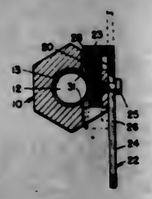


ing member during movement of the valve member, and an element extending through said opposed wall of the casing member to engage said wall member to move the latter axially into the lubricant chamber, said element being movable with respect to said last-mentioned wall member.

2,571,967
HYDROGENATION OF TARTARIC ACID ESTERS TO ERYTHRITOL
Nelson Richard Trenner and Frederick A. Bacher, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application November 9, 1948, Serial No. 59,184
6 Claims. (Cl. 260—635)

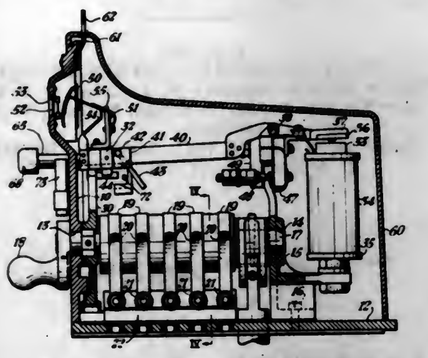
1. The process of preparing erythritol which comprises, reacting a solution of a dialkyl ester of tartaric acid in a lower aliphatic alcohol with hydrogen, said hydrogenation reaction being carried out at a temperature within the range of 125–200° C., and at a pressure of at least 3500 pounds per square inch in the presence of black copper-chromium oxide catalyst, said catalyst being present in an amount in excess of about 50% by weight of said tartaric acid ester, and recovering erythritol from the resulting mixture.

2,571,968
TOOL FOR INSERTING AND REMOVING STUD BOLTS
Ralph A. Valvano, Los Angeles, Calif.
Application June 3, 1946, Serial No. 673,911
1 Claim. (Cl. 81—53)



A tool for inserting and removing stud bolts and the like comprising a body member having a threaded bore therein for receiving a stud bolt and having an opening intersecting said bore and extending substantially at right angles to the axis thereof in the region of the periphery of said base, a locking member for preventing relative rotation of said body member and a stud bolt therein, said locking member including a wedge portion adapted to fit into said opening in said body member to engage a stud bolt therein and a bar portion extending parallel to the wedge in spaced relation thereto, said bar being provided with an elongated slot, and a radially extending pin secured in said body member outwardly of said opening therethrough, said pin extending through the slot in said bar portion and having a bar retaining head thereon, said bar portion of the locking member and the slot therein being substantially longer than said wedge portion whereby to permit the removal of said wedge portion from said opening and to permit the wedge portion, upon removal, to swing clear of said body member upon pivotal movement of said locking member on said pin.

2,571,969
EMERGENCY RELEASE FOR LOCKING DEVICES
Isaiah W. Vensel, Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application April 25, 1947, Serial No. 743,833
9 Claims. (Cl. 246—161)

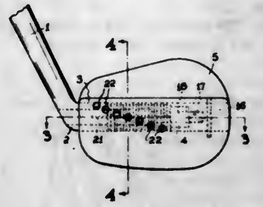


5. In a locking device, in combination with a locking segment movable between two extreme positions and a locking dog operable into and out of locking engagement with said locking segment for respectively preventing and permitting movement of said segment from one extreme position to the other, a projection on said segment, a cooperating depressor member pivotally connected with said locking dog and having a cammed surface adapted to be driven underneath said projection for drawing down said locking dog into locking engagement with said segment, and means operable for rotating said depressor member out of cooperating relationship with said projection whereby to permit said locking dog to be forced out of locking engagement with said segment.

2,571,970
ADJUSTABLE HEAD FOR GOLF CLUBS
Joseph Verderber, Cleveland, Ohio
Application May 1, 1947, Serial No. 745,324
6 Claims. (Cl. 116—133)

1. Means for indicating the relative angularity between a shaft and a sleeve member mounted

for axial rotation thereon, said means comprising a single longitudinally extending reference mark on said shaft and a plurality of longitudinally and circumferentially spaced apertures in



said sleeve member whereby said reference mark is visible successively through each of said apertures upon rotation of said sleeve member relatively to said shaft.

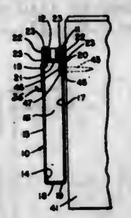
2,571,971
SNAP HOOK
Frank Vogel, Philadelphia, Pa., assignor of one-third to Albert H. Reef, Philadelphia, Pa.
Application September 29, 1947, Serial No. 776,773
3 Claims. (Cl. 24—239)



1. An automatic clasp comprising a body formed from an integral sheet of metal and including a base wall, side walls projecting from said base wall and having longitudinal runways along the said side walls, an upturned nose projecting from the forward end of the base wall, a rear spring stop comprised of tail portions of the side walls projecting towards each other from and at right angles to said side walls, an eye produced from a rearwardly projecting portion of said base wall, a cover formed from an integral sheet of metal and including a top wall, gripping elements produced from the edges of said top wall and coacting with the runways to slidably mount the cover on the body, a down turned double wall beak formed from a projecting portion of the wall and a forward spring stop produced from a part of the beak at the rear end of the latter and extending into the body, said beak and nose cooperating to define a link receiving opening and an outside V-shaped recess, and a spring located between the stops to urge the cover and component parts forwardly.

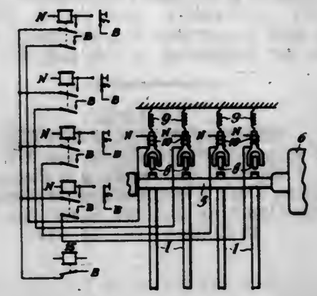
2,571,972
HOLDING RACK
William L. Wagner, Los Angeles, Calif., assignor to A. H. McConnell, Pasadena, Calif.
Application March 24, 1947, Serial No. 736,654
6 Claims. (Cl. 211—60)

3. In a device of the class described, comprising: a relatively flat, elongated, hollow body formed of sheet metal, said body including a front wall, end walls, and abbreviated rear walls extending toward each other from said end walls; an elongated U shaped guide of sheet metal extending along the upper side of said body and attached thereto, said guide being closed at one end and open at the other; and an implement supporting member slidably received in said guide, said member being of rubber and having



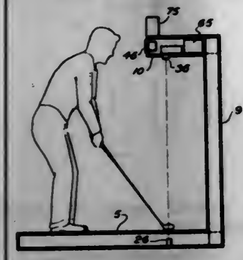
longitudinally spaced openings therein for reception of implements.

2,571,973
ANNUNCIATOR
Alec Hervey Bennett Walker, London, England, assignor, by mesne assignments, to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application August 13, 1947, Serial No. 768,410
In Great Britain August 19, 1946
7 Claims. (Cl. 179—1)



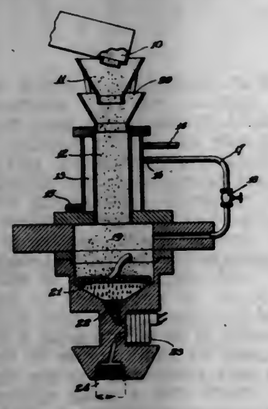
1. In an annunciator, a plurality of tapes each having a message recorded thereon, each said tape formed as a continuous loop, means to hang said tapes side by side in parallel planes with a given tension, an individual pickup head for each of said tapes, each said pickup head disposed for operative relationship with its tape and operable to detect the recording on the tape when the tape is moved relative to the pickup head, an announcing mechanism electrically connected to said pickup heads in multiple to be common to all of said tapes to announce the message of any one of the tapes when a tape is driven relative to its pickup head, a motor driven shaft mounted at right angles to the planes of said tapes and positioned for the tapes to pass above the shaft with a small clearance, a plurality of electromagnetic drive mechanisms one for each of said tapes and each of which drive mechanisms is provided with an engaging element, each said element spring biased out of engagement with the respective tape and operable to force the respective tape into driving engagement with said shaft when the drive mechanism is energized, and circuit means having connections with said drive mechanisms to selectively energize the drive mechanisms to select any one of said tapes to be driven to announce its message.

2,571,974
GOLF TRAINING DEVICE
John Walker, Alameda, Calif.
Application November 18, 1946, Serial No. 710,649
4 Claims. (Cl. 177—384)



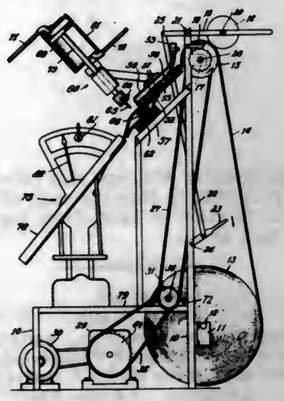
1. A golf training device comprisihg a platform section having a second section mounted above it, a plurality of light-beam units mounted in one of said sections in spaced relation to radiate beams across a predetermined path, photoelectric cells mounted in the other of said sections and being in alinement with said light-beam units, and means including a plurality of indicators adapted to register when said beams are interrupted by a golf club head swung through said path said photoelectric cells being normally inoperative, and means adapted to render said photoelectric cells ready for operation by the backswing of the golf club.

2,571,975
MELT SPINNING PROCESS
Joseph Elmer Waltz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application May 10, 1947, Serial No. 747,252
18 Claims. (Cl. 18—54)



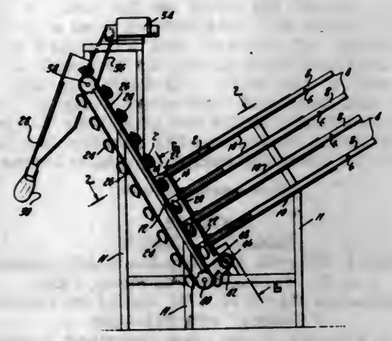
1. A process for spinning a synthetic linear polyamide which comprises melting the said polyamide in a chamber; introducing water vapor into said chamber at a substantially atmospheric pressure; exposing the resultant melted polyamide to the said water vapor until water is uniformly distributed in the melt; and feeding the resultant molten composition to a means for extruding it from said chamber, the melting and the feeding being carried out at substantially atmospheric pressure and in the presence of water vapor at substantially constant pressure.

2,571,976
STRIP CUTTER AND MARKER
Clarence E. Ward, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application October 19, 1946, Serial No. 704,334
4 Claims. (Cl. 101—1)



1. In an apparatus of the class described for cutting strip material into individually measured and marked lengths, the combination of a strip weigher, a strip marker, a strip feeder which feeds the strip to the marker and from the marker to the weigher and a strip cutter between the weigher and strip feeder at a predetermined distance from the marker and operatively controlled by the weigher, and means for operating the marker in predetermined timed relation to the operation of the cutter.

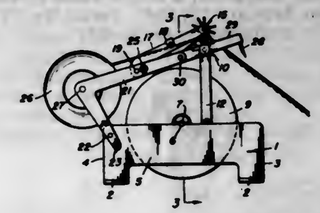
2,571,977
ARTICLE ASSORTING MACHINE
Minton W. Warren, Canajoharie, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application February 21, 1950, Serial No. 145,537
2 Claims. (Cl. 198—26)



1. In an assorting machine for articles of the class described, the combination of means for supporting article containing trays spaced one above the other and inclined downwardly and forwardly, each tray having its lower end open and being provided with a bottom wall, and the articles being positioned on the bottom wall in a plurality of rows arranged side by side with

the articles arranged one behind the other in each row, and the inclination of each tray being such as to tend to cause the articles to slide downwardly by gravity, a stop plate spaced below the lower end of each bottom wall a distance corresponding substantially to the width of an article so as to provide a stop for the rows of articles in the tray, a pusher bar adapted to be reciprocated transversely through said spaces between the lower ends of the bottom walls of the trays and said stop plates whereby during the movement of the pusher bar in one direction the lowermost articles of all of the trays are simultaneously ejected from the stop plates, and during the movement of the pusher bar in the opposite direction the next succeeding articles in the trays are deposited on the stop plates, an endless conveyor inclined upwardly and forwardly, buckets carried by the conveyor and spaced apart whereby during the travel of the conveyor the buckets successively pass by the lower ends of the trays and as the articles are ejected from the trays they drop into said buckets, each bucket successively receiving articles from the several trays from the lowermost to the uppermost tray, and means for thus driving the conveyor and operating said pusher bar.

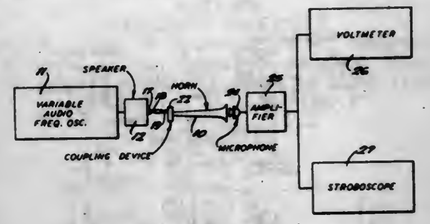
2,571,978
MACHINE FOR PREPARING MASKING PAPER
John L. Watson, Welch, W. Va.
Application October 9, 1947, Serial No. 778,852
4 Claims. (Cl. 154—31)



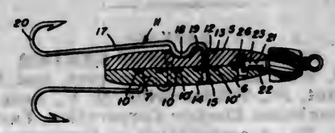
1. In a machine of the class described, a base, means for rotatably supporting a roll of masking paper on said base to be fed off its roll, a feeding and crimping roll mounted on said base and over which the paper is adapted to be extended for feeding and crimping, said roll comprising circumferentially spaced longitudinal rods, a second similar feeding and crimping roll gravity actuated to mesh with said first mentioned roll and cause said rolls to crimp the paper transversely, and a roll of adhesive tape rotatably mounted on said base to be pulled off its roll and applied to one crimped edge of the paper to maintain said edge permanently crimped, one of said rollers having an end extended beyond the other roller for supporting said crimped edge clear of the other roller to provide for applying said tape to said edge, said one roller being rotatable by pull on the tape applied to said edge of the paper and thereby rotating said other roll to cause said rollers to feed the paper.

2,571,979
ACOUSTIC MEASURING APPARATUS
John C. Webster, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application April 19, 1946, Serial No. 663,423
5 Claims. (Cl. 181—.5)

1. Acoustic measuring apparatus comprising a virbratile diaphragm, means for driving the diaphragm at variable acoustic frequencies, means defining a closed space adjacent one side of the diaphragm, a hollow coupling block having a connector thereon formed for airtight connection to one end of a tube whose resonant frequencies are to be determined, and a piece of tubing of small diameter relative to its length connecting the space adjacent the diaphragm to the hollow coupling block to provide a high acoustic resistance.



2,571,980
FISH LURE
Carl F. Weigandt, Memphis, Tenn., assignor of forty-nine per cent to Wylie E. Turner, Jr., Piggott, Ark.
Application September 8, 1949, Serial No. 114,545
1 Claim. (Cl. 43—42.16)

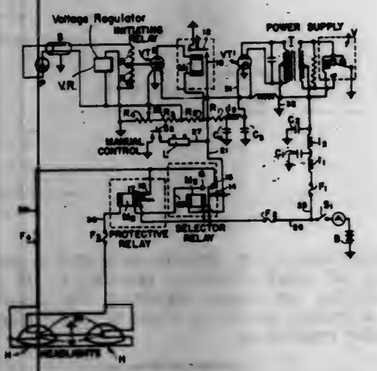


An artificial bait comprising a body composed of a pair of separable sections, said sections having means holding the sections in assembled relation confronting each other, and being formed with matching grooves in the confronting surfaces of the sections at one end of the body a chamber at the inner ends of the grooves, a sleeve tightly seated in the grooves and having a flange at its inner end seated in the chamber to hold the sleeve in the body and with a shaft secured in the sleeve and projecting forwardly of the body, a spinning head journaled on the front end of the shaft, and a line-attaching eye at the front end of the shaft forwardly of the head.

2,571,981
HEADLIGHT CONTROL
Roy G. Wensel, Clarion, Pa.
Application September 3, 1948, Serial No. 47,643
6 Claims. (Cl. 315—83)

1. An electric control system for a vehicle headlight having a pair of filaments comprising, a source of electrical energy, a first filament circuit, a second filament circuit including protective relay means, light sensitive electrical initiating relay means, electrical selector relay means, said selector relay means normally maintaining a connection between the source of electrical energy and said first filament circuit but when energized maintaining a connection between the source of electrical energy and said second filament circuit includ-

ing said protective relay means, said protective relay means normally maintaining an additional connection between said source of electrical energy and said first filament circuit but when energized opening said additional connection, said protective relay means being connected



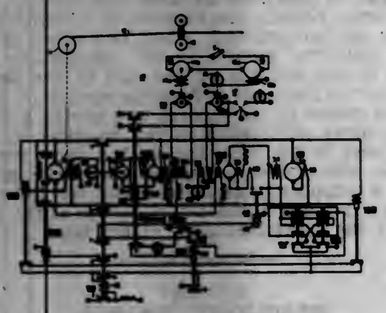
in said second filament circuit so that if there is a failure in the circuit the protective relay will not be energized whereby said additional connection will be maintained, and means whereby said selector relay means will be energized in response to pre-determined changes in the condition of said light sensitive initiating relay.

2,571,982

EMERGENCY STOP SYSTEM

Amos J. Winchester, Jr., Lockport, and William T. Hunt, Jr., Williamsville, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 26, 1949, Serial No. 123,742
8 Claims. (Cl. 318—331)



1. In a control system for a motor having a field winding and an armature, a regulating generator connected to maintain a substantially constant value of armature current, circuit means including a motor-operated field rheostat connected to effect energization of the field winding, an additional regulating generator connected to effect operation of the rheostat motor to maintain a predetermined value of motor counter E. M. F., and emergency stop means for the motor including directional responsive means connected to respond to the terminal polarity of the additional regulating generator.

2,571,983

PROCESS OF PURIFYING MAGNESIA CONTAINING IMPURITIES INCLUDING IRON, MANGANESE, AND BORON

Teynham Woodward, Los Altos, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

No Drawing. Application April 19, 1948, Serial No. 21,849
6 Claims. (Cl. 23—201)

1. Process of purifying magnesia containing impurities including iron, manganese and boron which comprises treating said magnesia with a stream of chlorine gas in an amount sufficient to convert said impurities to chlorides but less than the amount required to convert a substantial portion of the magnesia to magnesium chloride in the presence of a slightly reducing gas mixture, at a temperature of from about 800° C. to about 1500° C., said gas mixture containing at least a major proportion of inert gas and not more than a minor proportion of a reducing gas, thereby volatilizing the major proportion of said impurities as chlorides without substantial reaction of the MgO, and recovering the treated magnesia.

2,571,984

WORK SUPPORT FOR FASTENER FORMING AND INSERTING MACHINES

John G. Wright, Charles D. Toney, Charles A. Watkins, and Eugene Sudan, Atlanta, and William A. Maxwell, Duluth, Ga., assignors to The Auto-Soler Company, a corporation of Georgia

Application January 18, 1947, Serial No. 722,806
5 Claims. (Cl. 1—15)



1. In a fastener forming and inserting machine adapted for forming a plurality of fasteners from a continuous length of wire, the combination with an operating mechanism incorporating means for cyclic actuation of fastener forming and fastener inserting operations, of a work supporting mechanism comprising a work support, an arm structure carrying said work support and assembled with said machine for adjustment to position work in relation to said operating mechanism, a cam element supported on said machine and rotated in accordance with the cyclic actuation of said fastener forming and fastener inserting operations, an operating rod disposed on said machine in association with said arm structure and actuated by said cam element for shifting said work support in said arm structure in work supporting direction during fastener inserting operations, and means for adjusting the association of said operating rod with said arm structure in correspondence with the adjustment of said arm structure and work support on said machine.

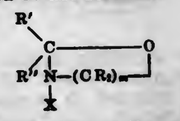
2,571,985

POLYETHER SUBSTITUTED OXAZOLIDINES AND THE LIKE

Joseph J. Carnes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 13, 1949, Serial No. 104,583
12 Claims. (Cl. 260—307)

1. A compound of the formula



in which X is a member of the group consisting of the radicals —[(CR₂)$_a$O]$_n$H and

—(CH₂CHOHCHO)$_n$H

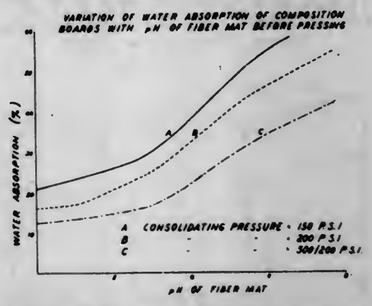
a being 1 to 4 inclusive, m being 2 to 3 inclusive, n being 1 to 100 inclusive, R being a member of the group consisting of H and aliphatic radicals; R' being a member of the group consisting of H, aliphatic and aromatic radicals; and R'' being a member of the group consisting of aliphatic and aromatic radicals.

2,571,986

DRY PROCESS FOR MAKING COMPOSITE PRODUCTS WITH pH CONTROL

Earl G. Hallonquist, Tacoma, Wash., assignor to Plywood Research Foundation, Tacoma, Wash., a corporation of Washington

Application November 21, 1949, Serial No. 128,665
8 Claims. (Cl. 18—47.5)



1. The process for the manufacture of consolidated lignocellulose products which comprises forming a mixture of pieces of relatively non-hydrolized lignocellulose, adjusting the pH of the mixture to a value of less than about 6, dry forming the mixture into a mat, and consolidating the mat.

2,571,987

CONVERSION OF HEXAALKYLDILEAD TO TETRAALKYLLEAD

Thelma W. McDyer and Rex D. Closson, Detroit, Mich., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application April 26, 1950, Serial No. 158,347
5 Claims. (Cl. 260—437)

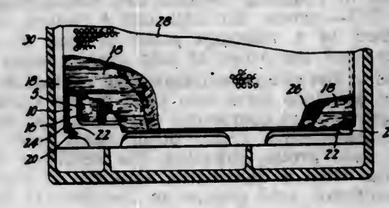
1. A process for converting hexaalkyldilead into tetraalkyllead and free lead comprising treating hexaalkyldilead with at least one silica-type catalyst selected from the group consisting of silica gels, silica-alumina gels and polyvalent-metal silicates.

2,571,988

STORAGE BATTERY

John L. Rupp, Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn.

Application September 16, 1949, Serial No. 116,020
6 Claims. (Cl. 136—147)



6. An electrode structure for storage batteries comprising a metallic grid, active material pasted on said grid, said grid having side edges and a bottom edge, said side edges being tapered inwardly adjacent the juncture thereof with said bottom edge, said bottom edge being laterally extended beyond the juncture thereof with said side edges whereby to form ledges, and a layer of spun glass fibre ribbon wound about said grid in substantially horizontal courses with the bottom course of said ribbon fitting around said tapered side edge portions and resting against said ledges.

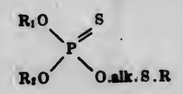
2,571,989

NEUTRAL ESTERS OF THIOPHOSPHORIC ACID

Gerhard Schrader, Opladen-Bruchhausen, Germany, assignor to Farbenfabriken Bayer, Leverkusen, Germany

No Drawing. Application November 17, 1950, Serial No. 196,353. In France September 28, 1949
4 Claims. (Cl. 260—461)

1. As new compounds neutral esters of thiophosphoric acid of the general formula:



wherein R₁ and R₂ stand for lower alkyl radicals, alk stands for an alkylene radical, and R stands for one of the group consisting of alkyl, benxyl and phenyl radicals.

2,571,990

AZO DYEING PROCESS FOR CELLULOSE FIBERS

Charles Howard Stratton, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 30, 1947, Serial No. 794,778
5 Claims. (Cl. 8—46)

1. A process for producing a coloration on cellulosic fiber of outstanding fastness to washing,

which comprises dyeing said fiber directly with an aqueous solution of a polyazo compound having in free acid form the following general formula:

$$HO_3S—NH—Ph—B—A_1—X—A_2—B—Ph—NH—SO_3H$$

wherein A_1 and A_2 represent phenylene radicals; X is a member of the class consisting of a single valence bond and an acyclic atomic bridge interconnecting the radicals A_1 and A_2; —Ph—NH—SO_3H is a phenyl sulfamic acid radical; and B represents an azo coupling component radical having an azo group attached thereto in coupling position and containing an —N—CO— group, the adjacent A radical being attached to a nitrogen atom of one of said groups, and the other of said groups being attached to the phenyl sulfamic acid radical in one of the positions meta and para to the sulfamic acid group, said compound containing no acidic water-solubilizing group other than said sulfamic acid group; treating the resulting dyed material with a diazotizing solution to convert said sulfamic acid groups on the fiber to diazo groups, and developing with an aqueous solution of an azo coupling component containing no acidic water-solubilizing groups.

2,571,991
COLOR TELEVISION TUBE
Richard L. Snyder, Jr., Aberdeen, Md., assignor to Radio Corporation of America, a corporation of Delaware
Continuation of application Serial No. 704,953, October 22, 1946. This application January 31, 1950, Serial No. 141,611
16 Claims. (Cl. 313—92)



1. In a color television cathode ray beam tube, a target comprising a foundation having a phosphor material adapted to produce colored light on a surface thereof, and a plurality of spaced strips positioned edgewise to said foundation surface, said spaced strips having on their side surfaces phosphor material adapted to produce colored lights differing from each other and from that of the first mentioned phosphor material.

DESIGNS

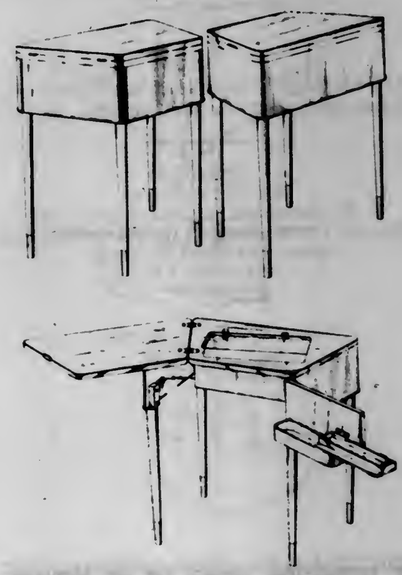
OCTOBER 16, 1951

164,836
PLATE OR SIMILAR ARTICLE
George A. Baker, Walnut Park, Calif., assignor to Max Weil
Application June 30, 1950, Serial No. 10,847
Term of patent 14 years
(Cl. D44—15)



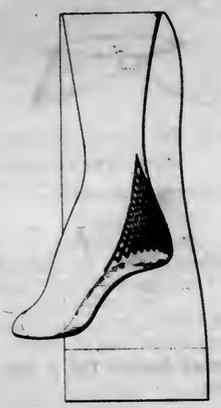
The ornamental design for a plate or similar article, as shown and described.

164,837
SEWING-MACHINE CABINET
Adam Baker Barnhart, New York, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 3, 1951, Serial No. 16,142
Term of patent 14 years
(Cl. D33—12)



The ornamental design for a sewing-machine cabinet, substantially as shown.

164,838
LADY'S STOCKING
John C. Bergner, Lansdowne, Pa.
Application July 12, 1950, Serial No. 11,095
Term of patent 14 years
(Cl. D47—7)



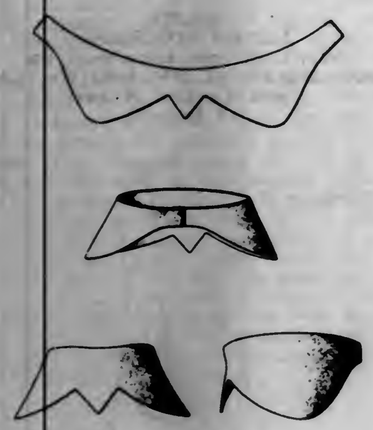
The ornamental design for a lady's stocking, as shown and described.

164,839
LADY'S STOCKING
John C. Bergner, Lansdowne, Pa.
Application July 12, 1950, Serial No. 11,096
Term of patent 14 years
(Cl. D47—7)



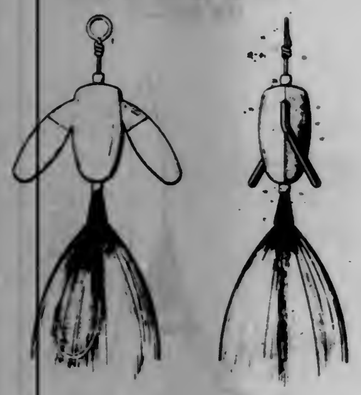
The ornamental design for a lady's stocking, as shown and described.

164,840
BELT OR SIMILAR ARTICLE
Louis L. Blumenfeld, Newark, N. J.
Application December 3, 1949, Serial No. 6,399
Term of patent 14 years
(Cl. D3—10)



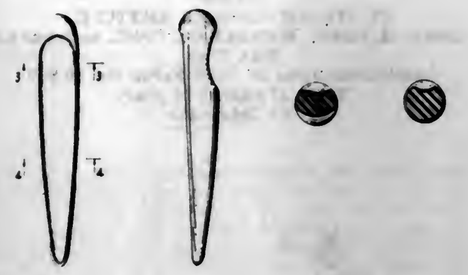
The ornamental design for a belt or similar article, as shown.

164,841
FISH LURE
John W. Bolton, Vancouver, Wash.
Application August 9, 1949, Serial No. 4,375
Term of patent 3½ years
(Cl. D31—4)



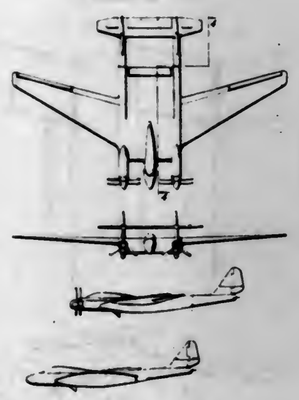
The ornamental design for a fish lure, as shown and described.

164,842
HANDLE FOR A KITCHEN UTENSIL
Walter O. Brown, Detroit, Mich.
Application September 22, 1949, Serial No. 5,134
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a handle for a kitchen utensil, substantially as shown.

164,843
AIRPLANE
Vincent J. Burnelli, Great Neck, N. Y.
Application September 12, 1950, Serial No. 12,156
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

164,844
COAT
Benjamin Chalk, New York, N. Y.
Application June 18, 1951, Serial No. 15,599
Term of patent 3½ years
(Cl. D2—4)



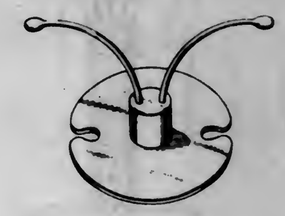
The ornamental design for a coat, substantially as shown.

164,845
NECKLACE OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application December 12, 1950, Serial No. 13,399
Term of patent 7 years
(Cl. D45—16)



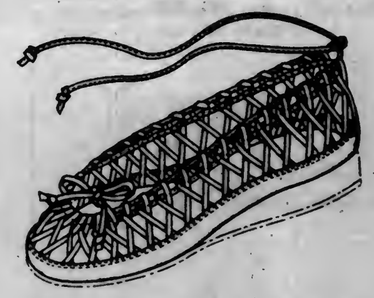
The ornamental design for a necklace or similar article, substantially as shown and described.

164,846
HAIR CURLER
Margaret F. Currie, Manhasset, N. Y.
Application March 29, 1950, Serial No. 8,831
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a hair curler, as shown.

164,847
SHOE
Jean Dronoff, Watertown, Conn.
Application July 30, 1951, Serial No. 16,084
Term of patent 7 years
(Cl. D7—7)

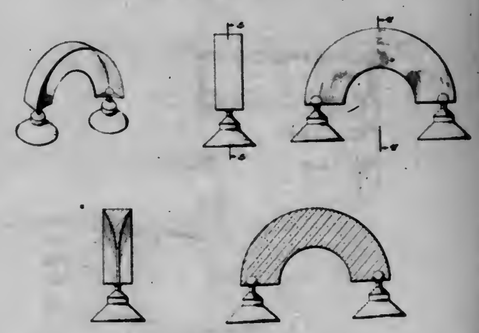


The ornamental design for a shoe, substantially as shown and described.

164,848
STOP BLOCK
Thomas H. Edelblute, Reynoldsville, Pa., assignor to Campbell Chain Company, York, Pa., a corporation of Pennsylvania
Application January 19, 1950, Serial No. 7,319
Term of patent 14 years
(Cl. D54—11)

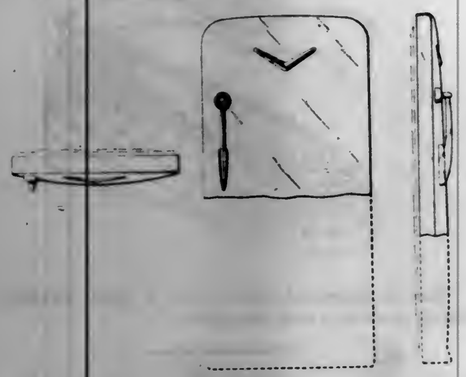
The ornamental design for a stop block, substantially as shown.

164,849
TRAFFIC LIGHT INDICATOR
Hans G. Faltin, York, Pa.
Application August 3, 1951, Serial No. 16,139
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a traffic light indicator, as shown.

164,850
REFRIGERATOR DOOR
Montgomery Ferar, Detroit, Mich., assignor to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application July 14, 1950, Serial No. 11,167
Term of patent 3½ years
(Cl. D67—3)

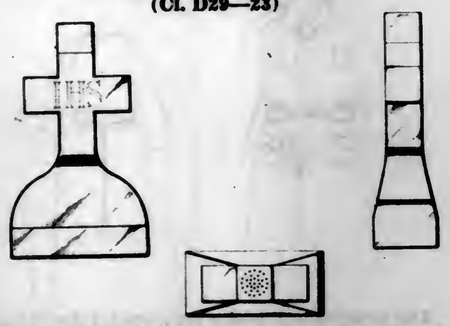


The ornamental design for a refrigerator door, as shown and described.

164,851
COMBINATION DESK AND BUFFET
Walter S. Gass, Seward, Nebr.
Application July 10, 1950, Serial No. 11,036
Term of patent 14 years
(Cl. D32—7)

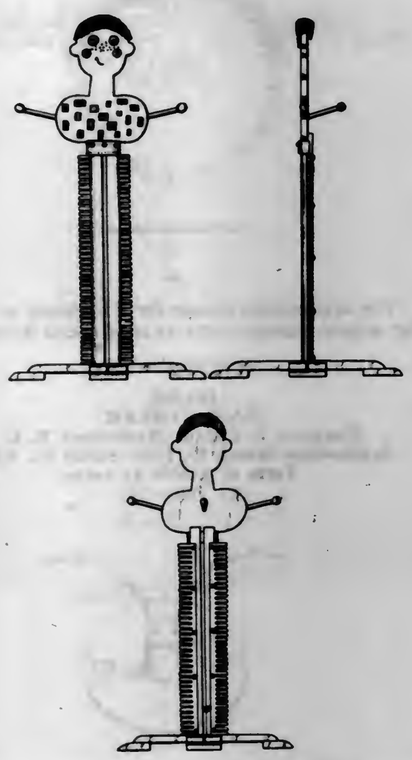
The ornamental design for a combination desk and buffet, substantially as shown and described.

164,852
HOLY-WATER DISPENSER
Otto S. Gibson, Butte, Mont., assignor of 33/100 to Bruce Albert Rademacher and 33/100 to Martha Davisson Gibson, both of Butte, Mont.
Application April 14, 1950, Serial No. 9,214
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a holy-water dispenser, as shown and described.

164,853
CHILD'S COSTUMER
Sally Gross and Henrietta Stern, New York, N. Y.
Application June 25, 1951, Serial No. 15,653
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a child's costumer, substantially as shown.

164,854
COAT
Abe Gruber, New York, N. Y.
Application July 13, 1951, Serial No. 15,866
Term of patent 3½ years
(Cl. D3—4)



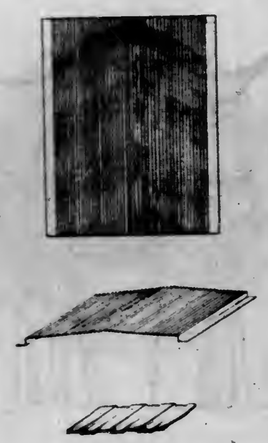
The ornamental design for a coat, substantially as shown and described.

164,855
COAT
Abe Gruber, New York, N. Y.
Application July 13, 1951, Serial No. 15,867
Term of patent 3½ years
(Cl. D3—4)



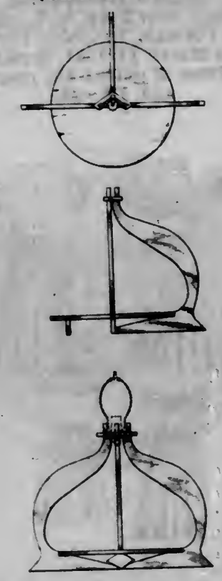
The ornamental design for a coat, substantially as shown and described.

164,856
BUILDING PANEL OR THE LIKE
Ralph W. Haman, Flossmoor, Alfred B. Girardy, Chicago, and Donald W. Doman, Harvey, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 12, 1949, Serial No. 6,572
Term of patent 14 years
(Cl. D54—2)



The ornamental design for a building panel or the like, substantially as shown.

164,857
LAMP BASE
Willie Hempstead, Los Angeles, Calif.
Application January 13, 1951, Serial No. 13,793
Term of patent 7 years
(Cl. D48—20)



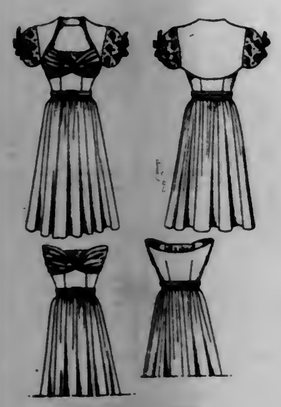
The ornamental design for a lamp base, substantially as shown and described.

164,858
DRESS
Aline Henry, New York, N. Y., assignor to Topper Formals, Inc., New York, N. Y.
Application March 14, 1951, Serial No. 14,488
Term of patent 3½ years
(Cl. D3—26)



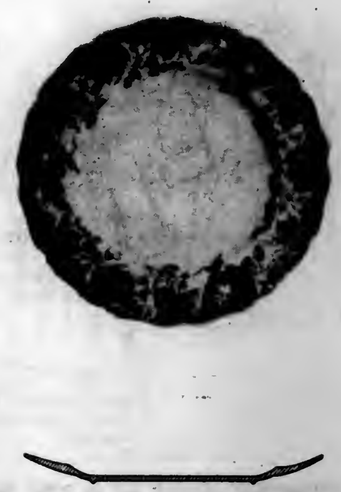
The ornamental design for a dress, substantially as shown.

164,859
DRESS ENSEMBLE
Aline Henry, New York, N. Y., assignor to Topper Formals, Inc., New York, N. Y.
Application March 14, 1951, Serial No. 14,489
Term of patent 3½ years
(Cl. D3—26)



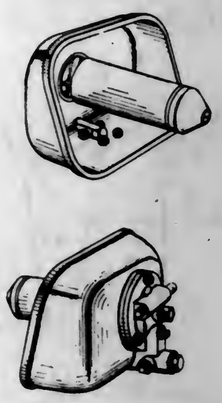
The ornamental design for a dress ensemble, substantially as shown and described.

164,860
PLATE OR SIMILAR ARTICLE
George J. Higginson, Bronxville, N. Y., assignor to Johnson Bros. (Hanley) Limited, Stoke-on-Trent, England, a British company
Application May 24, 1951, Serial No. 15,303
Term of patent 14 years
(Cl. D44—15)



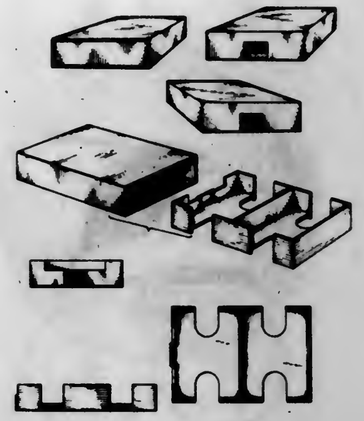
The ornamental design for a plate or similar article, as shown.

164,861
WHISTLE OR SIMILAR ARTICLE
Karl U. Ingard, Newton Center, Mass., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application April 4, 1951, Serial No. 14,709
Term of patent 14 years
(Cl. D72—1)



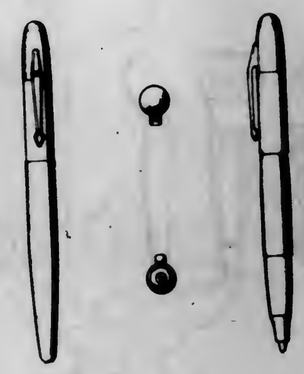
The ornamental design for a whistle or similar article, substantially as shown.

164,862
COMBINATION PLAYING CARD AND CANASTA TRAY AND CASE OR SIMILAR ARTICLE
Harold C. Johnson, Downey, Calif.
Application November 20, 1950, Serial No. 13,063
Term of patent 7 years
(Cl. D34—13)



The ornamental design for a combination playing card and canasta tray and case or similar article, as shown.

164,863
FOUNTAIN PEN OR SIMILAR ARTICLE
David Kahn, Englewood, N. J., assignor to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application September 16, 1948, Serial No. 148,611
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a fountain pen or similar article, substantially as shown and described.

164,864
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 19, 1951, Serial No. 15,243
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

164,865
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 19, 1951, Serial No. 15,244
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

164,866
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 19, 1951, Serial No. 15,245
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

164,867
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 19, 1951, Serial No. 15,246
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a dinner plate or similar article, as shown and described.

164,868
DINNER PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 19, 1951, Serial No. 15,247
Term of patent 14 years
(Cl. D44—15)



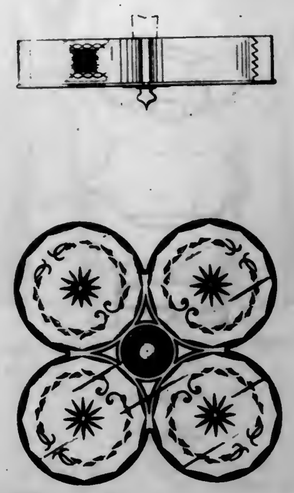
The ornamental design for a dinner plate or similar article, as shown and described.

164,869
HAND MICROPHONE FOR DICTATING MACHINES
Alexis V. Lapteff, Jackson Heights, N. Y., assignor to Dictaphone Corporation, Bridgeport, Conn., a corporation of New York
Application February 23, 1951, Serial No. 14,306
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a hand microphone for dictating machines, substantially as shown.

164,870
LIGHT SHADE
Glenn E. MacFadden, Rocky River, Ohio
Application November 21, 1950, Serial No. 13,084
Term of patent 14 years
(Cl. D48—16)



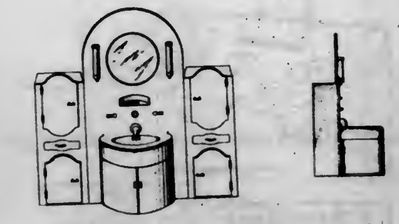
The ornamental design for a light shade, as shown and described.

164,871
LIGHT SHADE
Glenn E. MacFadden, Rocky River, Ohio
Application November 21, 1950, Serial No. 13,085
Term of patent 14 years
(Cl. D48—16)



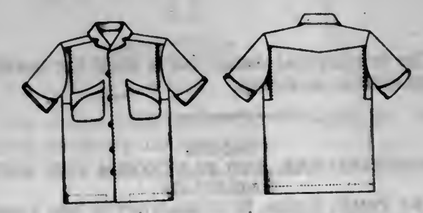
The ornamental design for a light shade, as shown and described.

164,872
COMBINED WASH BASIN AND CABINET
Jerry T. Mallory, Columbus, Ohio
Application March 31, 1950, Serial No. 8,833
Term of patent 7 years
(Cl. D32—20)



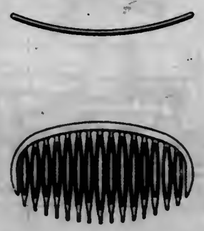
The ornamental design for a combined wash basin and cabinet, as shown.

164,873
MAN'S SHIRT OR SIMILAR ARTICLE
Joseph Melville, Long Beach, N. Y.
Application April 4, 1951, Serial No. 14,707
Term of patent 14 years
(Cl. D3—25)



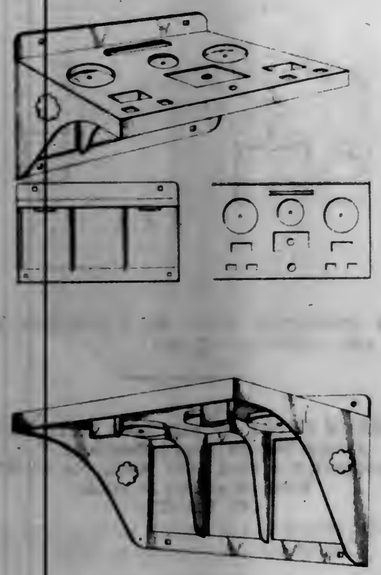
The ornamental design for a man's shirt or similar article, substantially as shown.

164,874
COMB
Livia Mitchell, New York, N. Y.
Application August 2, 1950, Serial No. 11,537
Term of patent 14 years
(Cl. D86—8)



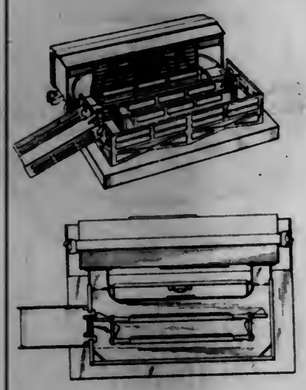
The ornamental design for a comb, as shown and described.

164,875
SHELF FOR HOLDING TOILET ARTICLES
Jose Brito Perez, Habana, Cuba
Application August 4, 1950, Serial No. 11,593
In Cuba June 19, 1950
Term of patent 14 years
(Cl. D33—3)



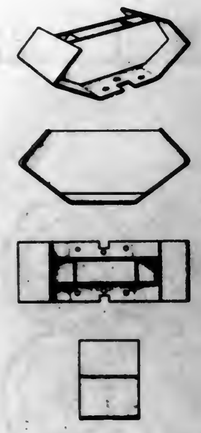
The ornamental design for a shelf for holding toilet articles as shown.

164,876
COMBINED CAR AND PLATFORM FOR TOY RAILROAD
Frank Pettit, Union, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 6, 1950, Serial No. 8,335
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a combined car and platform for toy railroad, as shown.

164,877
LADING STABILIZER OR SIMILAR ARTICLE
William T. Peyton, Dallas, Tex.
Application October 16, 1950, Serial No. 12,584
Term of patent 3½ years
(Cl. D41—1)



The ornamental design for a lading stabilizer or similar article, as shown.

164,878
DRESS
Irving Roth, New York, N. Y.
Application August 1, 1951, Serial No. 16,107
Term of patent 3½ years
(Cl. D2—26)



The ornamental design for a dress, substantially as shown.

164,879
DRESS
Irving Roth, New York, N. Y.
Application August 1, 1951, Serial No. 16,108
Term of patent 3½ years
(Cl. D2—26)



The ornamental design for a dress, substantially as shown.

164,880
DRESS
Irving Roth, New York, N. Y.
Application August 1, 1951, Serial No. 16,109
Term of patent 3½ years
(Cl. D2—26)



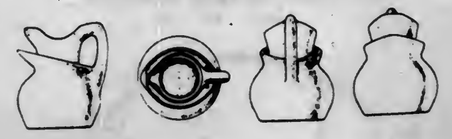
The ornamental design for a dress, substantially as shown.

164,881
BARBECUE UNIT
Karl M. Roth, Modesto, Calif.
Application August 14, 1951, Serial No. 16,266
Term of patent 7 years
(Cl. D81—10)



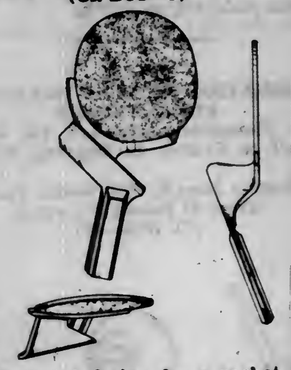
The ornamental design for a barbecue unit, as shown.

164,882
PITCHER
Joseph T. Scarry, Summit, N. J.
Application April 28, 1951, Serial No. 14,997
Term of patent 14 years
(Cl. D44—21)



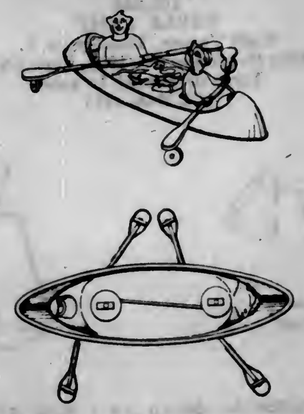
The ornamental design for a pitcher, as shown.

164,883
RACKET FOR TABLE TENNIS
Byron C. Schmid, Washington, D. C.
Application June 19, 1950, Serial No. 10,624
Term of patent 14 years
(Cl. D34—5)



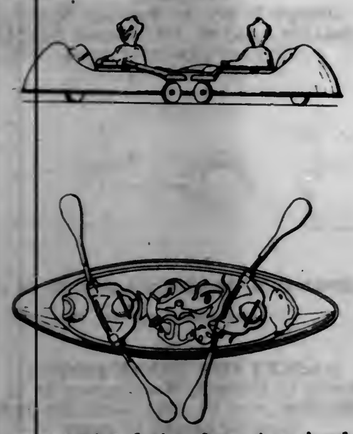
The ornamental design for a racket for table tennis, as shown and described.

164,884
TOY SIMULATING A CANOE WITH PADDLERS
Harry Sebel, Finchley, London, England
Application March 7, 1950, Serial No. 8,337
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy simulating a canoe with paddlers, as shown.

164,884—Continued



The ornamental design for a toy simulating a canoe with paddlers, as shown.

164,885
COMBINATION PICTURE HOLDER AND PAPERWEIGHT
Doris M. Thompson, Arlington, Va., assignor of one-half to Patrick D. Beavers, Washington, D. C.
Application June 9, 1950, Serial No. 10,431
Term of patent 3½ years
(Cl. D74—12)



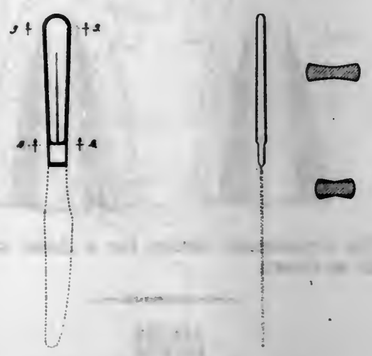
The ornamental design for a combination picture holder and paperweight, as shown and described.

164,886
TABLE LAMP
Kurt Versen, Tenafly, N. J.
Application December 11, 1950, Serial No. 13,362
Term of patent 14 years
(Cl. D48—20)



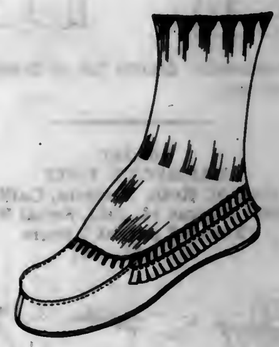
The ornamental design for a table lamp, substantially as shown.

164,887
KNIFE OR SIMILAR ARTICLE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1951, Serial No. 15,212
Term of patent 3½ years
(Cl. D22—3)



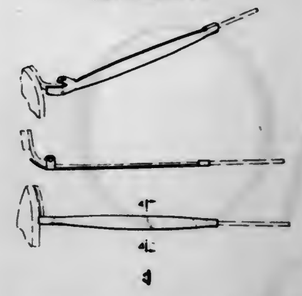
The ornamental design for a knife or similar article, as shown and described.

164,888
COMBINED SLIPPER AND SOX
Alex Lee Wallau, New York, N. Y.
Application August 15, 1951, Serial No. 16,284
Term of patent 3½ years
(Cl. D47—7)



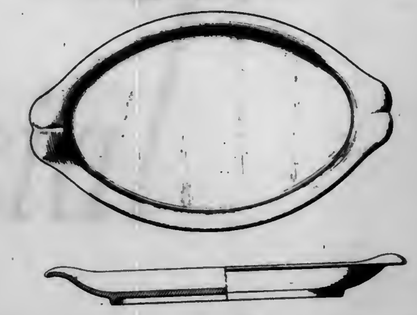
The ornamental design for a combined slipper and sox, substantially as shown and described.

164,889
BRACE FOR A SPECTACLE TEMPLE OR SIMILAR ARTICLE
Harry Weissman, New Hyde Park, N. Y.
Application May 23, 1951, Serial No. 15,285
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a brace for a spectacle temple or similar article, substantially as shown and described.

164,890
PLATTER
Eva S. Zeisel, New York, N. Y., assignor to United China and Glass Co., New Orleans, La., a corporation of Louisiana
Application July 12, 1950, Serial No. 11,104
Term of patent 14 years
(Cl. D44—15)



The ornamental design for a platter, as shown.

October 23, 1951 Volume 651 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Acclaim Hosiery Mills, Inc., High Point, N. C. Ladies' hosiery. Serial No. 607,613, Oct. 23. Class 39.

Aeroquip Corporation, Jackson, Mich. Electronic pressure gauges and pressure sensitive elements. Serial No. 595,697, Oct. 23. Class 26.

Aeroquip Corporation, Jackson, Mich. Electronic pressure gauges and pressure sensitive elements. Serial No. 595,700, Oct. 23. Class 26.

Air Borne Lobsters: *See*—
Hurtubise, Celia C.

Akron Fruit Topping: *See*—
McCrosky, Ralston D.

Aktiebolaget Hässle, Apotekare Paul Nordstörms Fabriker, Hasslehoim, Sweden. Cosmetic preparations and toilet preparations. Serial No. 602,078, Oct. 23. Class 51.

Allstate Insurance Company, Chicago, Ill. Arranging for the financing of automobiles through banks. Serial No. 605,392, Oct. 23. Class 102.

All-Steel Equipment Inc., Aurora, Ill. Construction materials. Serial No. 554,194, Oct. 23. Class 12.

All-Steel Equipment Inc., Aurora, Ill. Construction materials. Serial No. 556,518, Oct. 23. Class 12.

Altman, B., & Co., New York, N. Y. Candy, fresh deciduous fruits; dried and canned fruits, etc. Serial No. 570,183, Oct. 23. Class 46.

American Cyanamid Company, New York, N. Y. Pitch dispersants. Serial No. 609,271, Oct. 23. Class 6.

American Machinery Corporation, Orlando, Fla. Coating material. Serial Nos. 599,606–07, Oct. 23. Class 6.

Andrew Johnson, Knudtson Ltd., Hull, England. Kippered fish. Serial No. 598,421, Oct. 23. Class 46.

Archer-Daniels-Midland Company, Minneapolis, Minn. Soybean lecithins. Serial No. 609,273, Oct. 23. Class 6.

Armour and Company, Chicago, Ill. Sole leather. Serial Nos. 343,387–8, Oct. 23. Class 1.

Arrowhead Rubber Co., Vernon, Calif. Motor mountings, nonmetallic rollers, flex joints. Serial No. 565,221, Oct. 23. Class 23.

Artistic Foundations, Inc., New York, N. Y. Girdles. Serial No. 601,131, Oct. 23. Class 39.

Artistic Foundations, Inc., New York, N. Y. Girdles. Serial No. 606,113, Oct. 23. Class 39.

Artloom Carpet Co., Inc., Philadelphia, Pa. Textile carpets and rugs. Serial No. 604,831, Oct. 23. Class 42.

Arvey Corporation, Chicago, Ill. Mounting and finishing lithographed advertising displays, etc. Serial No. 529,341, Oct. 23. Class 106.

Asam Wallpapers, Inc., Philadelphia, and Reading, Pa. Wallpaper. Serial No. 609,672, Oct. 23. Class 37.

Askin Brothers Company, Inc., Baltimore, Md. Hosiery, sweaters, bathing suits, etc. Serial No. 584,309, Oct. 23. Class 39.

Associated Distributors, Inc., New York, N. Y. Ladies' panties, slips, nightgowns, etc. Serial No. 552,932, Oct. 23. Class 39.

Atalanta Trading Corp., New York, N. Y. Frozen frog legs and rock lobster meat. Serial No. 585,361, Oct. 23. Class 46.

Auricchio, Antonio, & Errico Auricchio, Naples, Italy, and New York, N. Y. Cheese. Serial No. 585,501, Oct. 23. Class 46.

Baby Laundry, Inc., East Hartford, Conn. Baby diaper supply and laundry service. Serial No. 560,791, Oct. 23. Class 100.

Barnes Bros., Medford, Oreg. Fresh pears. Serial No. 598,569, Oct. 23. Class 46.

Baur, O. P., Confectionery Company, The, Denver, Colo. Hard candies. Serial No. 550,891, Oct. 23. Class 46.

Bay State Abrasive Products Company, Westboro, Mass. Compound for preparing coolant solution. Serial No. 607,281, Oct. 23. Class 6.

Bengtsson, Erik A., doing business as Dragspelstjanst, Stockholm, Sweden. Accordions, mouth organs, bandonions, etc. Serial No. 563,453, Oct. 23. Class 36.

Berkeley Sportwear Co., Inc., New York, N. Y. Sporting garments. Serial No. 554,005, Oct. 23. Class 39.

Berks-Lehigh Cooperative Fruit Growers, Inc., Fleetwood, Pa. Apple juice. Serial No. 596,475, Oct. 23. Class 46.

Berkshire Knitting Mills, Wyomissing, Pa. Women's hosiery. Serial No. 596,554, Oct. 23. Class 39.

Best & Co. Inc., New York, N. Y. Beauty shop services. Serial No. 604,186, Oct 23. Class 100.

Bliss, E. W., Company, Detroit, Mich., and Toledo, Ohio. Hydraulic metal working presses. Serial No. 533,664. Oct. 23. Class 23.

Bodie-Hoover Petroleum Corporation, Chicago, Ill. Lubricating oil. Serial No. 538,488, Oct. 23. Class 15.

Bostwick Laboratories, Inc., Bridgeport, Conn. Room deodorant. Serial No. 609,161, Oct. 23. Class 6.

Brass-Craft Manufacturing Company, Detroit, Mich. Metal water pipe and tubing, pipe and tube fittings, etc. Serial Nos. 535,927–28, Oct. 23. Class 13.

Breinig Brothers, Inc., Hoboken, N. J. Varnishes, lacquers, wood sealers, etc. Serial No. 530,802, Oct. 23. Class 16.

Brownie Hinge & Specialties, Chicago, Ill. Hinges. Serial No. 611,638, Oct. 23. Class 13.

Butler Manufacturing Company, Kansas City, Mo. Hog feeders and hog watering fountains. Serial No. 604,954, Oct. 23. Class 50.

California Fig Growers & Packers, Inc., also doing business as Rancho de los Padres, Fresno, Calif. Dried figs. Serial No. 548,047, Oct. 23. Class 46.

California Wire Products Co., Inc., Visalia, Calif. Wire staples. Serial No. 588,676, Oct. 23. Class 13.

Cambridge Rubber Company, The, Cambridge, Mass., and Taneytown, Md. Soles for shoes, and shoes. Serial No. 607,160, Oct. 23. Class 39.

Carr, Dolan & Hahn, Inc., Minneapolis, Minn. Men's suits, topcoats, overcoats, stormcoats, etc. Serial No. 568,577, Oct. 23. Class 39.

Carsolite Corporation, Maywood, Ill. Plasticised resin preparation. Serial No. 552,841, Oct. 23. Class 16.

Casco Products Corporation, Bridgeport, Conn. Hand held electric motor driven tool holders. Serial No. 605,991, Oct. 23. Class 21.

Cates, Florine, Denver, Colo. Money belt. Serial No. 608,032, Oct. 23. Class 3.

Cedarholm, C. F., Vancouver, Wash. Hamburger sandwiches. Serial No. 586,141, Oct. 23. Class 46.

Cerbini & Co., New York, N. Y. Medicinal preparation. Serial Nos. 599,695–6, Oct. 23. Class 18.

Choice Foods, Inc., Minneapolis, Minn. Dougnut mix. Serial No. 595,121, Oct. 23. Class 46.

Circle S. Products Co., assignor to Circle "S" Products Co., Inc., Chicago, Ill. Photographic mountings. Serial No. 601,711, Oct. 23. Class 26.

Circle "S" Products Co., Inc., assignee: *See*—
Circle S. Products Co.

Claster, Bertram H., Baltimore, Md. Advertising the goods and services of sponsors. Serial No. 593,470, Oct. 23. Class 101.

Clover Farm Stores Corporation, Cleveland, Ohio. Dental cream, mouth wash, laxative tablets, etc. Serial No. 568,350, Oct. 23. Class 51.

Cluett, Peabody & Co. Inc., Troy, N. Y. Men's, women's, boys' and girls' trousers, slacks, outer shirts, etc. Serial No. 595,870, Oct. 23. Class 39.

Cohen, Goldman & Co. Inc., New York, N. Y., assignor to House of Worsted-Tex, Inc., Philadelphia, Pa. Men's, boys' and children's outer garments, etc. Serial No. 589,430, Oct. 23. Class 39.

Colonial Chemical Co. Inc., Seattle, Wash. General cleaner, brass and silver polishes, and glass cleaner. Serial No. 578,318, Oct. 23. Class 4.

Commercial Solvents Corporation, New York, N. Y. Windshield washer fluid. Serial No. 596,266, Oct. 23. Class 52.

Commodore Record Co., Inc., New York, N. Y. Mechanically grooved phonograph records. Serial No. 518,717, Oct. 23. Class 36.

Continental Steel Corporation, Kokomo, Ind. Reeled barbed wire. Serial No. 545,091, Oct. 23. Class 13.

Crafton Orange Growers Association, Mentone, Calif. Fresh citrus fruits. Serial No. 544,981, Oct. 23. Class 46.

Crescent Truck Company, Lebanon, Pa. Electric trucks. Serial No. 544,328, Oct. 23. Class 23.

Croyden Leather Products, Inc., New York, N. Y. Wallets or billfolds. Serial No. 609,078, Oct. 23. Class 3.

Cutler Mail Chute Company, Rochester, N. Y. Mail chutes and mail boxes. Serial No. 610,007, Oct. 23. Class 2.

Davidson Enamel Products, Inc., Lima, Ohio. Porcelain enamel sheet siding. Serial No. 581,761, Oct. 23. Class 12.

Davis Paint Co., Kansas City, Mo. Semi-paste, white exterior paint. Serial No. 521,566, Oct. 23. Class 16.

Deep Rock Refining Co.: *See*—
Yacenda, Thomas J.

Delron Company, Inc., The, Los Angeles, Calif. Lock-nuts and bolts. Serial No. 608,496, Oct. 23. Class 13.

Demert & Dougherty, Inc., Chicago, Ill. Disinfectants, insecticides, insect sprays, etc. Serial No. 509,504, Oct. 23. Class 15.

Dennis, Martin, Company, The, Newark, N. J., assignor to Diamond Alkali Company, Cleveland, Ohio. Glove shampoo. Serial No. 578,678, Oct. 23. Class 52.

Derby Foods, Inc., Chicago, Ill. Canned luncheon meat. Serial No. 609,967, Oct. 23. Class 46.

Diamond Alkali Company, assignee: *See*—
Dennis, Martin, Company, The.

Dorn, Harry M., New York, N. Y. Rubber toys. Serial No. 567,242, Oct. 23. Class 22.
Dragspelstjanst: *See*—
Bengtsson, Erik A.
Drake, Robert A., doing business as Size 'Im Up, Winchester, Mass. Partially printed identification cards. Serial No. 596,068, Oct. 23. Class 37.
Dutch Mill Candy Co., Chicago, Ill. Candies and ice cream. Serial No. 508,148, Oct. 22. Class 46.
Dutchess Underwear Corporation, New York, N. Y. Ladies' wearing apparel. Serial No. 610,050, Oct. 23. Class 39.
Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 595,713, Oct. 23. Class 43.
Elko Photo Products Co., The, Kansas City, Mo. Developing film and printing of pictures. Serial No. 560,004, Oct. 23. Class 106.
Emporium World Millinery Co., Chicago, Ill. Ladies' hats. Serial No. 606,517, Oct. 23. Class 39.
Epstein, H. W., Corporation, New Rork, N. Y. Ladies' underwear. Serial No. 609,438, Oct. 23. Class 39.
Equitable Savings and Loan Association, Portland, Oreg. Processing and handling of deposits and withdrawals in savings accounts, etc. Serial No. 554,064, Oct. 23. Class 102.
Eru-Kaasfabriek N. V., Woerden, Netherlands. Cheese. Serial No. 604,148, Oct. 23. Class 46.
Fairfield Glove Co., Fairfield, Iowa. Gloves. Serial No. 594,705, Oct. 23. Class 39.
Farm Feed Company, Rock Rapids, Iowa. Cattle, sheep and hog feeds. Serial No. 589,204, Oct. 23. Class 46.
Fenole Chemical Company: *See*—
Powell, Wylie R.
Fire Master Corporation, Brooklyn, N. Y. Portable automatic sprinkler type fire extinguishers. Serial No. 558,223, Oct. 23. Class 23.
Firmenich & Co., assignor to Firmenich, Incorporated, New York, N. Y. Natural and synthetic essential oils, aromatic chemicals. Serial No. 604,556, Oct. 23. Class 18.
Firmenich, Incorporated, assignee: *See*—
Firmenich & Co.
Fischer Baking Company, Newark, N. J. Bread. Serial No. 599,822, Oct. 23. Class 46.
Fisher & Ludlow Limited, Birmingham, England. Washing machines. Serial No. 601,541, Oct. 23. Class 24.
Flock, Emanuel, doing business as Lovely Yarn Company, Philadelphia, Pa. Yarn. Serial No. 586,595, Oct. 23. Class 43.
Flucker, Bill, Good Water, Ala. Liniment and salve. Serial No. 608,865, Oct. 23. Class 18.
Folson-Kenbelly, St. Thomas, N. Dak. Potatoes. Serial No. 608,152, Oct. 23. Class 46.
Foxboro Company, The, Foxboro, Mass. Temperature-recording instruments and the like. Serial No. 598,176, Oct. 23. Class 26.
Fuld Bros., Inc., Baltimore, Md. Detergent compositions. Serial No. 595,255, Oct. 23. Class 52.
Garrott Candy Company, St. Paul, Minn. Candies. Serial No. 585,319, Oct. 23. Class 46.
Geuder, Paeschke & Frey Co., Milwaukee, Wis. Ironing tables and wash tubs. Serial No. 609,364, Oct. 23. Class 24.
Giffin Manufacturing Company, Inc., The, Carlisle, Ky. Outer garments. Serial No. 579,023, Oct. 23. Class 39.
Gilbert & Barker Manufacturing Company, West Springfield, Mass. Coolant pumps. Serial No. 611,269, Oct. 23. Class 23.
Gluvtex Corporation, New York, N. Y. Ladies' and misses' slips, bloomers, panties, etc. Serial No. 608,702, Oct. 23. Class 39.
Goerz, C. P., American Optical Company, New York, N. Y. Photographic lenses. Serial No. 613,566, Oct. 23. Class 26.
Graves Brothers Co., Wabasso, Fla. Fresh citrus fruits. Serial No. 609,646, Oct. 23. Class 46.
Greenbaum, Jack, New York, N. Y. Ladies' handbags. Serial No. 608,455, Oct. 23. Class 3.
Griffin, William A., doing business under the fictitious firm name of 3F Products Co., South Pasadena, Calif. Food supplement. Serial No. 589,783, Oct. 23. Class 18.
Grocers Baking Company, Inc., Louisville, Ky. Bread. Serial No. 519,191, Oct. 23. Class 46.
Haas, Baruch & Co., Los Angeles, Calif. Oleomargarine, cottonseed oil, shortening. Serial No. 596,917, Oct. 23. Class 46.
Hamburg Heaven, Inc., New York, N. Y. Hamburger sandwiches. Serial No. 549,926, Oct. 23. Class 46
Handmacher-Vogel, Inc., New York, N. Y. Skirts, women's jackets and women's hats. Serial No. 591,926, Oct. 23. Class 39.
Harley-Davidson Motor Co., Milwaukee, Wis. Motorcycles and frame and fork parts. Serial No. 606,921, Oct. 23. Class 19.
Harvey Co., The, Nashville, Tenn. Wearing apparel. Serial No. 561,374, Oct. 23. Class 39.
Hastings, G., & Co. Limited, Leicester, England. Men's socks. Serial No. 592,566, Oct. 23. Class 39.
Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio. Electrically heated counter appliances, etc. Serial No. 572,100, Oct. 23. Class 21.
Hewitt-Robins, Incorporated, Buffalo, N. Y. Material handling equipment. Serial No. 553,198, Oct. 23. Class 23.
Hibdon Brothers Medicine Co., Morrison, Tenn. Medicinal preparation. Serial No. 603,683, Oct. 23. Class 18.
Hooker Electrochemical Company, Niagara Falls, N. Y. Compositions of chlorination derivatives of fatty acid esters. Serial No. 609,340, Oct. 23. Class 6.
Hoosier Band Instrument Co. Inc., Elkhart, Ind. Musical instruments. Serial No. 602,399, Oct. 23. Class 36.
Hortex Manufacturing Co., Inc., El Paso, Tex. Boys' slacks, overalls, overall union suits, jackets, etc. Serial No. 596,094, Oct. 23. Class 39.
House of Worsted-Tex, Inc., assignee: *See*—
Cohen, Goldman & Co. Inc.
House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Men's and young men's suits, coats, vests, etc. Serial No. 606,298, Oct. 23. Class 39.
Hurtubise, Celia C., doing business as Air Borne Lobsters, Portland, Maine. Live lobsters. Serial No. 604,639, Oct. 23. Class 46.
Hustad, Hugo R., doing business as M-R Guide Company, Detroit, Mich. Mechanical calculating charts. Serial No. 613,111, Oct. 23. Class 26.
Hyman, Jack S., Teaneck, N. J. Mouth wash. Serial No. 576,756, Oct. 23. Class 18.
Imperial Chemical Industries Limited, London and Millbank, London, England. Resinous plastic materials. Serial No. 604,890, Oct. 23. Class 1.
Jefferson Island Salt Company, Louisville, Ky. Salt. Serial No. 582,966, Oct. 23. Class 46.
Johnson, Cyril, Woolen Company, The, Stafford Springs, Conn. Piece goods. Serial No. 599,000, Oct. 23. Class 42.
Katzenberg, J., & Co., Baltimore, Md. Cotton housedresses, maids, waitresses, and nurses cotton uniforms, cotton bloomer-legged gymnasium suits and shorts, etc. Serial No. 604,850, Oct. 23. Class 39.
Kimball, Ward W., San Gabriel, Calif. Entertainment services. Serial No. 595,896, Oct. 23. Class 107.
Kluegel, Ernest, Co., St. Paul, Minn. Prefabricated clothes chutes and prefabricated dust chutes. Serial No. 583,760, Oct. 23. Class 12.
Knickerbocker Rubber Company, Chicago, Ill. Water faucet hose connections. Serial No. 610,179, Oct. 23. Class 13.
Korell Company, New York and Mechanicville, N. Y. Ladies' and misses' dresses and suits. Serial No. 567,521, Oct. 23. Class 39.
Lady Ann Food Products, Chicago, Ill. Potato salad and coleslaw. Serial No. 608,502, Oct. 23. Class 46.
Lake Chemical Company, Chicago, Ill. Soldering flux. Serial No. 609,245, Oct. 23. Class 6.
Lakeland Manufacturing Company, Sheboygan, Wis. Men's and boys' jackets. Serial No. 596,927, Oct. 23. Class 39.
Lear, Incorporated, Grand Rapids, Mich. Radio direction finding equipment. Serial Nos. 613,175–6, Oct. 23. Class 26.
Lee, Frank H., Company, The, Danbury, Conn., and elsewhere. Men's hats. Serial No. 576,342, Oct. 23. Class 39.
Lewis, Wayne, New York, N. Y. Mouthpieces for musical wind instruments. Serial No. 563,124, Oct. 23. Class 36.
Logan-Long Company, The, Chicago, Ill. Square-butt strip shingles. Serial No. 584,039, Oct. 23. Class 12.
Lovely Yarn Company: *See*—
Flock, Emanuel.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 608,278, Oct. 23. Class 46.
M-R Guide Company: *See*—
Hustad, Hugo R.
Macy, R. H., & Co., Inc., New York, N. Y. Toilet soap. Serial No. 592,734, Oct. 23. Class 52.
Majestic Metal Specialties, Inc., New York, N. Y. Mirror and lipstick container combination. Serial No. 579,696, Oct. 23. Class 2.
Manhattan Novelty Corporation, New York, N. Y. Watches. Serial No. 607,224, Oct. 23. Class 27.
Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. Serial No. 589,618, Oct. 23. Class 46.
Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. Serial No. 587,879, Oct. 23. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Medicinal preparation. Serial No. 587,898, Oct. 23. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 590,671, Oct. 23. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 590,685, Oct. 23. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 590,688, Oct. 23. Class 18.
Massengill, S. E., Company, The, Bristol, Tenn. Pharmaceutical preparation. Serial No. 595,899, Oct. 23. Class 18.
McBee Company, The, Athens, Ohio. Bond paper. Serial No. 543,624, Oct. 23. Class 37.
McBee Company, The, Athens, Ohio. Bond paper. Serial No. 543,626, Oct. 23. Class 37.

McCrosky, Ralston D., doing business as Akron Fruit Topping, Akron, Ohio. Waffle syrup, chocolate syrup, food flavoring emulsions, etc. Serial No. 590,170, Oct. 23. Class 46.
McGregor Leather Products Corp., New York, N. Y. Ladies' and men's wallets. Serial No. 608,561, Oct. 23. Class 3.
McNeil Laboratories, Incorporated, Philadelphia, Pa. Medicinal preparation. Serial No. 608,825, Oct. 23. Class 18.
Mecca Growers Association, Mecca, Calif. Fresh grapefruit and fresh grapes. Serial No. 547,469, Oct. 23. Class 46.
Mercury Record Corporation, Chicago, Ill. Grooved phonograph records. Serial No. 596,291, Oct. 23. Class 36.
Merit Clothing Company, Mayfield, Ky. Men's suits. Serial No. 595,507, Oct. 23. Class 39.
Mock Seed Company, Pittsburgh, Pa. Grass seed. Serial No. 602,732, Oct. 23. Class 1.
Mohawk Containers, Inc., New Hartford, N. Y. Corrugated paper shipping boxes. Serial No. 602,965, Oct. 23. Class 2.
Monarch Manufacturing Company, Milwaukee, Wis. Outerwear. Serial No. 607,338, Oct. 23. Class 39.
Morning Milk Company, Wellsville, Utah, and Los Angeles, Calif. Evaporated milk. Serial No. 593,432, Oct. 23. Class 46.
Moses, Harold, assignee: *See*—
Paragon Hat Company.
Moyer, Walter W., Company, Ephrata, Pa. Men's, women's and children's underwear. Serial No. 608,940, Oct. 23. Class 39.
Murray, Arthur, Enterprises, Inc., New York, N. Y. Neckties for men, scarfs. Serial No. 606,563, Oct. 23. Class 39.
Mutual-Rosenbloom Company, New York, N. Y. Ladies' and misses' dresses, suits, coats, etc. Serial No. 600,184, Oct. 23. Class 39.
Myre, Clifford R., doing business under the name and style, Paynesville Products Co., Paynesville, Minn. Radio and television antenna. Serial No. 593,606, Oct. 23. Class 21.
Nachman, L., & Son, Inc., Philadelphia, Pa. Women's and misses' textile aprons. Serial No. 531,355, Oct. 23. Class 39.
Nehi Corporation, Columbus, Ga. Chocolate flavored milk drink and concentrates. Serial No. 610,294, Oct. 23. Class 46.
Nesco, Inc., Chicago, Ill., assignee of Plia-Pail Co. Inc. Rubber garbage pails. Serial No. 573,335, Oct. 23. Class 2.
New Era Shirt Company, St. Louis, Mo. Men's shirts. Serial No. 544,372, Oct. 23. Class 39.
Newport Optical Manufacturing Co., Inc., Brooklyn, N. Y. Spectacle frames. Serial No. 613,519, Oct. 23. Class 26.
Nopco Chemical Company, Harrison, N. J. Detergent compositions. Serial No. 585,670, Oct. 23. Class 52.
Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin-containing glyceride oils. Serial No. 606,793, Oct. 23. Class 18.
Nopco Chemical Company, Harrison, N. J. Riboflavin. Serial No. 606,794, Oct. 23. Class 18.
Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. Serial Nos. 606,795–6, Oct. 23. Class 18.
Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. Serial No. 606,797, Oct. 23. Class 18.
Nopco Chemical Company, Harrison, N. J. High potency vitamin-containing solids. Serial Nos. 606,801–2, Oct. 23. Class 18.
Nopco Chemical Company, Harrison, N. J. Fat-soluble vitamin concentrates. Serial No. 606,803, Oct. 23. Class 18.
Northwestern Mutual Fire Association, Seattle, Wash. Underwriting of fire, extended coverage, windstorm, etc., insurance. Serial No. 574,974, Oct. 23. Class 102.
Northwood Fur Farms, Cary, Ill. Mink pelts and live minks. Serial No. 589,464, Oct. 23. Class 1.
Oakford Company, The, Peoria, Ill. Syrup. Serial No. 528,505, Oct. 23. Class 46.
101 Ranch Boys, Inc., York, Pa. Entertainment service. Serial No. 585,895, Oct. 23. Class 107.
Onyx Ladies Underwear Inc., New York, N. Y. Nightgowns, sleeping pajamas, slips and half-slips. Serial No. 608,669, Oct. 23. Class 39.
Orange Cove Citrus Association Orange Cove, Calif. Fresh citrus fruits. Serial No. 555,006, Oct. 23. Class 46.
Outlet Company, The, Providence, R. I. Young men's clothing. Serial No. 601,520, Oct. 23. Class 39.
Paragon Hat Company, assignor to H. Moses, Chicago, Ill. Men's and boys' hats. Serial No. 606,484, Oct. 23. Class 39.
Paragon Luggage Co., Inc., New York, N. Y. Handbags, briefcases, trunks, etc. Serial No. 568,529, Oct. 23. Class 3.
Paynesville Products Co.: *See*—
Myre, Clifford R.
Peter Pan Foundations, Inc., New York, N. Y. Brassières. Serial No. 610,712, Oct. 23. Class 39.
Peters, Henry M., doing business under the style and name of Tatch-A-Tray Products, Chicago, Ill. Combined metal tray and clamp. Serial No. 600,348, Oct. 23. Class 13.
Pettibone Mulliken Corporation, Chicago, Ill. Portable machines. Serial No. 566,765, Oct. 23. Class 23.
Philadelphia Seed Company, The, Philadelphia, Pa. Pigeon feed. Serial No. 590,634, Oct. 23. Class 46.
Phillips Petroleum Company, Bartlesville, Okla. Services rendered to automobiles, trucks, and other automotive vehicles. Serial No. 598,598, Oct. 23. Class 103.
Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. Serial No. 585,185, Oct. 23. Class 46.
Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Men's, women's and children's hosiery. Serial No. 602,968, Oct. 23. Class 39.
Pinelli, Anthony R., Chicago, Ill. Blended salad oil. Serial No. 591,637, Oct. 23. Class 46.
Pink Lady Corporation, Edinburg, Tex. Texas citrus fruit. Serial No. 570,908, Oct. 23. Class 46.
Platt Luggage, Inc., Chicago, Ill. Hand luggage. Serial No. 606,436, Oct. 23. Class 3.
Plax Corporation, West Hartford, Conn. Film, rod, tubing, tape, and sheet, formed of resinous plastic materials. Serial No. 572,120, Oct. 23. Class 1.
Plia-Pail Co.: *See*—
Nesco, Inc.
Plymouth Manufacturing Company, Boston, Mass. Men's rainwear. Serial No. 592,434, Oct. 23. Class 39.
Portco Corporation, Vancouver, Wash., and Portland, Oreg. Resin-impregnated paper-covered wire ties. Serial No. 600,848, Oct. 23. Class 7.
Powell, Wylie R., doing business as Fenole Chemical Company, Jacksonville, Fla. Soapy liquid cleaner. Serial No. 590,944, Oct. 23. Class 52.
Pure Oil Company, The, Chicago, Ill. Paints, combination automobile cleaner and polish, etc. Serial No. 568,277, Oct. 23. Class 4.
Rancho de los Padres: *See*—
California Fig Growers & Packers, Inc.
Rayflex Fabrics, Inc., New York, N. Y. Woven elastic fabrics. Serial No. 613,651, Oct. 23. Class 42.
Regent Belt Co., Inc., New York, N. Y. Men's, ladies' and boys' belts. Serial No. 605,678, Oct. 23. Class 39.
Republic Gear Company, Detroit, Mich. Timing chains. Serial No. 611,198, Oct. 23. Class 23.
Resort Airlines, Inc., Pinehurst, N. C. Planning and personally conducting tours. Serial No. 597,784, Oct. 23. Class 105.
Reynolds, F. A., Co. Inc., Cleveland, Ohio. Musical horns. Serial No. 604,808, Oct. 23. Class 36.
Rice Growers Association of California, Sacramento, Calif. Rice. Serial No. 594,995, Oct. 23. Class 46.
Rich Maid Manufacturing Company, Inc., Richmond, Va. Roasted coffee. Serial No. 597,295, Oct. 23. Class 46.
Riegel Textile Corporation, New York, N. Y. Work gloves. Serial No. 604,161, Oct. 23. Class 39.
Romac Industries, Audubon, N. J. Closure controlled automatic sprayer. Serial No. 609,883, Oct. 23. Class 23.
Rosenthal, P. S., Co.: *See*—
Rosenthal, Paul S.
Rosenthal, Paul S., doing business as P. S. Rosenthal Co., New York, N. Y. Children's overalls, children's shirts, children's sun suits, etc. Serial No. 593,016, Oct. 23. Class 39.
Royal Crest Mfg. Co., Inc., New York, N. Y. Children's panties and bloomers. Serial No.606,328, Oct. 23. Class 39.
Rudolph, J., Inc., New York, N. Y. Ladies' handbags. Serial No. 572,774, Oct. 23. Class 3.
Russell, Maxie, Newark, N. J. Mixture of dried aromatic leaves for use as an inhalator. Serial No. 608,020, Oct. 23. Class 18.
Ryan Candy Company, Ltd., New York, N. Y. Candy bars. Serial No. 590,916, Oct. 23. Class 46.
S & S Cafeteria of Columbus, Inc., Macon, Ga. Serving foods and beverages. Serial No. 599,121, Oct. 23. Class 100.
Saab, A. N., Co., Inc., New York, N. Y. Ladies' gowns, slips, panties, etc. Serial No. 607,354, Oct. 23. Class 39.
Sacks, Sam, doing business as Uneeda Shine Machine Company, New York, N. Y. Shoe shine machines. Serial No. 607,099, Oct. 23. Class 23.
Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh lettuce. Serial No. 610,501, Oct. 23. Class 46.
Sanitary Products Corporation, Taneytown, Md. Hygienic vaginal tampons. Serial No. 608,677, Oct. 23. Class 44.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's slips. Serial No. 600,982, Oct. 23. Class 39.
Scott, O. M., & Sons Company, Marysville, Ohio. Preparation for weed control. Serial No. 600,203, Oct. 23. Class 6.
Seamless Rubber Company, The, New Haven, Conn. Surgeons' gloves. Serial No. 603,549, Oct. 23. Class 44.
Sears, Roebuck and Co., Chicago, Ill. Synthetic detergents. Serial No. 551,407, Oct. 23. Class 52.
Sequatchie Handle Works, Sequatchie, Tenn. Hickory tool handles. Serial No. 564,221, Oct. 23. Class 23.
Shapiro, Arthur, Brooklyn, N. Y. Ladies' blouses. Serial No. 599,661, Oct. 23. Class 39.

Shetland Co., Inc., The, Lynn, Mass. Machine for polishing, buffing, sanding or drilling. Serial No. 611,149, Oct. 23. Class 23.
Silicone Polish Corp., New York, N. Y. Polish for automobiles, furniture, floors, etc. Serial No. 598,209, Oct. 23. Class 4.
Silicote Corporation, The, Oshkosh, Wis. Gun and reel lubricants. Serial No. 610,032, Oct. 23. Class 15.
Singer Glove Manufacturing Co., Chicago, Ill. Workmen's fabric gloves. Serial No. 608,384, Oct. 23. Class 39.
Sita-Adventure Trails Inc., New York, N. Y. Conducting escorted travel tours. Serial No. 604,397, Oct. 23. Class 105.
Size 'Im Up. *See*—
Drake, Robert A.
Snookies Inc., Milwaukee, Wis. Cookies. Serial No. 604,040, Oct. 23. Class 46.
Societe a Responsabilite Limitee, Les Laines Stella, Paris, France. Woolen thread and yarn. Serial No. 580,628, Oct. 23. Class 43.
Sonoco Products Company, Hartsville, S. C. Resin base paints and liquid resins. Serial No. 531,955, Oct. 23. Class 16.
Southern Radio and Television Equipment Company, doing business as Television Station WTVJ, Miami, Fla. Entertainment service. Serial No. 602,344, Oct. 23. Class 107.
Sperandeo, Vincent, Brooklyn, N. Y. Children's mittens, and gloves. Serial No. 609,608, Oct. 23. Class 39.
Springfield Woolen Mills Company, The, New York, N. Y., and Nashville, Tenn. Textile fabrics. Serial No. 613,656, Oct. 23. Class 42.
Stadler Packing Co., Inc., Columbus, Ind. Pork and beef products. Serial No. 567,155, Oct. 23. Class 46.
Staley, A. E., Manufacturing Company, Decatur, Ill. Hydrolyzed plant protein. Serial No. 603,341, Oct. 23. Class 46.
Star Manufacturing Company: *See*—
Hercules Steel Products Corporation.
Stewart Paint Manufacturing Company, Minneapolis, Minn. Varnish. Serial No. 575,726, Oct. 23. Class 16.
Sun Oil Company, Philadelphia, Pa. Motor oil. Serial No. 609,888, Oct. 23. Class 15.
Suejmer Antoni & Frances Co., Chicago, Ill. Salve. Serial No. 563,444, Oct. 23. Class 18.
Tatch-A-Tray Products: *See*—
Peters, Henry M.
Tau Beta Pi Association, Knoxville, Tenn. Stimulating and maintaining interest in good scholarship, civic, and community activities. Serial No. 594,236, Oct. 23. Class 100.
Television Station WTVJ: *See*—
Southern Radio and Television Equipment Company.
Thompson, Marvin I., Knoxville, Tenn. Advertising the goods and services of others. Serial No. 592,448, Oct. 23. Class 101.
3F Products Co.: *See*—
Griffin, William A.
Tioga Mills, Inc., Waverly, N. Y. Animal foods. Serial No. 534,836, Oct. 23. Class 46.
Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Cooked ham. Serial No. 608,522, Oct. 23. Class 46.
Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Furnishing trade information and promotional ideas. Serial No. 543,543, Oct. 23. Class 100.
Triumph Leather Goods Co.: *See*—
Weinberger, Paul.
Uneeda Shine Machine Company: *See*—
Sacks, Sam.
United Mills Corporation, Mount Gilead, N. C. Brassieres. Serial No. 600,866, Oct. 23. Class 39.
U. S. Detergents Co. Inc., New York, N. Y. Gel compositions. Serial No. 586,714, Oct. 23. Class 52.
United States Gypsum Company, Chicago, Ill. Ground quicklime. Serial No. 609,457, Oct. 23. Class 1.
United States Junior Chamber of Commerce, The, St. Louis, Mo., and Tulsa, Okla. Stimulating and maintaining interest in public affairs. Serial No. 557,404, Oct. 23. Class 100.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 616,349, Oct. 23. Class 22.
Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial No. 595,173, Oct. 23. Class 14.
Victor Equipment Company, San Francisco, Calif. Coated and uncoated welding rods. Serial Nos. 595,175–6, Oct. 23. Class 14.
W & W Manufacturing Company, Grandview, Mo. Venetian blind cleaning brush for attachment to suction cleaner hose. Serial No. 545,320, Oct. 23. Class 23.
Weinberger, Paul, doing business under the name of Triumph Leather Goods Co., New York, N. Y. Billfolds, wallets and key cases. Serial No. 606,830, Oct. 23. Class 3.
Weisman Brothers Lingerie Corp., New York, N. Y. Combination blouse and divided skirt. Serial No. 606,583, Oct. 23. Class 39.
Weiss Shirt Company, Inc., New York, N. Y. Men's and boys' negligee, dress and work shirts. Serial No. 607,465, Oct. 23. Class 39.
Wellco Shoe Corporation, Waynesville, N. C. Shoes, boots, sandals, slippers. Serial No. 568,818, Oct. 23. Class 39.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,145, Oct. 23. Class 37.
Whitman, E. G., & Co., Inc., Philadelphia, Pa. Candy. Serial No. 609,464, Oct. 23. Class 46.
Worcester Toy Company, Worcester, Mass. Molded plastic cups and saucers, creamers, etc. Serial No. 607,304, Oct. 23. Class 2.
Yacenda, Thomas J., trading as Deep Rock Refining Co., Richmond, Va. Lubricating oils. Serial No. 610,353, Oct. 23. Class 15.
Yellow Pine Medicine Company, Inc., Montgomery, Ala. Medicinal liniment. Serial No. 598,231, Oct. 23. Class 18.
Young, Richard, Company, Boston, Mass. Leather. Serial No. 608,648, Oct. 23. Class 1.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, North Chicago, Ill. Good will, educational, congratulatory, welcome, get well, etc., pamphlets. 549,797, Oct. 23; Serial No. 574,078, published July 24, 1951. Class 38.
Abdallah, Albert, Sr.: *See*—
Abdallah Incorporated.
Abdallah Incorporated, Minneapolis, Minn., assignee of Albert Abdallah, Sr. Ice cream, candy, and health fruit bars. 549,736, Oct. 23; Serial No. 505,998, published July 31, 1951. Class 46.
Admiral Corporation, Chicago, Ill. Radio receiving sets and parts thereof, vacuum or electric tubes, etc. 549,908, Oct. 23; Serial No. 595,811, published July 31, 1951. Class 21.
Aerol Co. Inc., Burbank, Calif. Wheels for industrial trucks. 550,016, Oct. 23; Serial No. 605,390, published July 17, 1951. Class 19.
Affiliated Gas Equipment, Inc., Cleveland, Ohio. Boilers, furnaces, air conditioners, etc. 549,911, Oct. 23; Serial No. 596,005, published July 31, 1951. Class 34.
Air Cooling Engineering Co., Morton Grove, Ill. Evaporative type air coolers. 549,855, Oct. 23; Serial No. 587,922, published July 17, 1951. Class 34.
Aircraft-Marine Products Inc., Harrisburg, Pa. Hand tools. 549,887, Oct. 23; Serial No. 592,452, published July 17, 1951. Class 23.
Airhart, Allen J., Lake Charles, La. Wild game calls. 549,910, Oct. 23; Serial No. 595,927, published July 10, 1951. Class 22.
Alcon Laboratories, Inc., Fort Worth, Tex. Nasal drops. 550,046, Oct. 23; Serial No. 607,655, published July 17, 1951. Class 18.
Alford, Oliver P., III, Wye Neck, Md. Dairy cattle. 549,835, Oct. 23; Serial No. 582,670, published July 17, 1951. Class 1.
All-America Selections, Harrisburg, Pa. Flower and vegetable seeds. 550,064, Oct. 23; Serial No. 584,259, published July 3, 1951. Class 1.
Allied Laboratories, Inc., Kansas City, Mo. Veterinary preparation. 550,023, Oct. 23; Serial No. 605,835, published July 17, 1951. Class 18.
Allied Laboratories, Inc., Kansas City, Mo. Laxative tablets. 550,024, Oct. 23; Serial No. 605,837, published July 17, 1951. Class 18.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Chemicals and chemical compositions. 550,001, Oct. 23; Serial No. 604,948, published July 31, 1951. Class 6.
Alrose Chemical Company, Cranston, R. I. Cleaning compositions. 549,886, Oct. 23; Serial No. 592,294, published July 17, 1951. Class 52.
Alrose Chemical Company, Cranston, R. I. Water repellents and stain repellents. 550,017, Oct. 23; Serial No. 605,394, published July 24, 1951. Class 6.
Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio Enamel paint. 549,767, Oct. 23; Serial No. 552,729, published July 31, 1951. Class 16.
Altmann, Bernhard, New York, N. Y. Yarns and threads. 549,931, Oct. 23; Serial No. 599,474, published July 24, 1951. Class 43.
American Brake Shoe Company: *See*—
Ramapo Ajax Corporation.
American Field Seed Co.: *See*—
Berry Seed Company.
American Lecithin Company: *See*—
American Lecithin Corporation.

American Lecithin Corporation, Wilmington, Del., and Atlanta, Ga., to American Lecithin Company, Atlanta, Ga., and Woodside, Long Island, N. Y. Phosphatide or lecithin and compositions containing same. 287,385, renewed Sept. 22, 1951. O. G. Oct. 23. Class 6.
Arco Company, The, Cleveland, Ohio. Automobile paint. 549,757, Oct. 23; Serial No. 546,749, published July 17, 1951. Class 16.
Arma Corporation, Brooklyn, N. Y. Electrical apparatus. 549,839, Oct. 23; Serial No. 583,725, published July 24, 1951. Class 21.
Arma Corporation, Brooklyn, N. Y. Electromechanical instrument components. 549,894, Oct. 23; Serial No. 593,210, published July 31, 1951. Class 21.
Armour and Company, Chicago, Ill. Bath and toilet soap. 549,768, Oct. 23; Serial No. 552,739, published Aug. 24, 1948. Class 52.
Armstrong Cork Company, Lancaster, Pa. Linoleum. 550,003, Oct. 23; Serial No. 605,085, published July 24, 1951. Class 20.
Aronson-Caplin Company, Inc., to Seamprufe Incorporated, New York, N. Y. Women's apparel. 289,610, renewed Dec. 1, 1951. O. G. Oct. 23. Class 39.
Asamen Brothers: *See*—
Asamen, Z.
Asamen, Z., Brawley, to Asamen Brothers, Westmorland, Calif. Fresh cantaloupes. 288,742, renewed Nov. 3, 1951. O. G. Oct. 23. Class 46.
Asquith, Herbert K., doing business as "The Haskey Company," Chicago, Ill. Glass refrigerator jugs. 549,785, Oct. 23; Serial No. 564,595, published July 17, 1951. Class 33.
Austenal Laboratories, Incorporated, New York, N. Y. Dentures and surgical appliances. 549,798, Oct. 23; Serial No. 574,187, published July 17, 1951. Class 44.
Avica Corporation, Portsmouth, R. I., by change of name from Avico, Incorporated. Flexible hose assemblies. 549,805, Oct. 23; Serial No. 576,681, published July 24, 1951. Class 35.
Avico, Incorporated: *See*—
Avica Corporation.
Baer, Leonard, doing business as Epilationmaster Manufacturing Company, Newark, N. J. Electrical hair-removing machine. 444,587, Oct. 23; Serial No. 506,979, published Oct. 18, 1949. Class 44.
Baker Castor Oil Company, The, Jersey City, N. J. Castor oil used for industrial purposes. 549,851, Oct. 23; Serial No. 586,563, published July 31, 1951. Class 6.
Baldwin-Hill Company, Trenton, N. J. Finishing insulating cement. 549,916, Oct. 23; Serial No. 596,637, published July 3, 1951. Class 12.
Baltimore Markets, Incorporated, Philadelphia, Pa. Packaged fresh deciduous fruits and vegetables, canned fruits, canned vegetables, etc. 550,083, Oct. 23. Serial No. 577,857. Class 46.
Beam Association of America, The: *See*—
Shrack, Philip O.
Behr-Manning Corporation, Troy, N. Y. Manually operated sanding devices. 549,814, Oct. 23; Serial No. 578,433, published June 19, 1951. Class 23.
Belva Mfg. Co.: *See*—
Douglas, Harry G.
Bendix Aviation Corporation, assignee: *See*—
Caluwaerts, R., Co., Inc.
Berry Seed Company, and also doing business under the following names, Griswold Seed Co., Mid-Continent Seeds Inc., Standard Seed and Feed Company, Standard Seed Co., and American Field Seed Co., Clarinda, Iowa. Farm, vegetable and flower seeds. 549,969, Oct. 23; Serial No. 603,515, published July 31, 1951. Class 1.
Blue Plate Foods Inc., New Orleans, La. India relish, French dressing, Thousand Island dressing, etc. 289,863, renewed Dec. 8, 1951. O. G. Oct. 23. Class 46.
Bologna, A., & Company, New Orleans, La., by Uddo & Taormina Company, New York, N. Y. Olive oil. 195,323, Feb. 24, 1925. Republished Oct. 23. Class 46.
Bolton Leathers Limited, Bolton, England. Leather. 549,974, Oct. 23; Serial No. 604,067, published July 17, 1951. Class 1.
Borden Import Corp., New York, N. Y. Men's hats. 549,852, Oct. 23; Serial No. 587,072, published July 24, 1951. Class 39.
Boyd, William, Beverly Hills, Calif. Greeting cards. 550,028, Oct. 23; Serial No. 606,117, published July 24, 1951. Class 38.
Boyd, William, Beverly Hills, Calif. Toy imitation leather holsters and toy imitation leather cuffs. 550,029, Oct. 23; Serial No. 606,121, published July 10, 1951. Class 22.
Boyd, William, Beverly Hills, Calif. Toy gun. 550,030, Oct. 23; Serial No. 606,125, published July 10, 1951. Class 22.
Brand, William, & Co., New York, N. Y., assignor to The William Brand and Co., Inc., Willimantic, Conn. Insulating material for electric wires, etc. 549,905, Oct. 23; Serial No. 595,303, published July 24, 1951. Class 21.
Brand, William, and Co., Inc., The, assignee: *See*—
Brand, William, & Co.
Brazil Oiticica, Inc., New York, N. Y. Fatty acids of oiticica oil. 549,988, Oct. 23; Serial No. 604,463, published July 24, 1951. Class 6.
Brazil Oiticica, Inc., New York, N. Y. Hydrogenated oiticica oil. 549,989, Oct. 23; Serial No. 604,464, published July 24, 1951. Class 6.
Breslow, Donald M., assignee: *See*—
Wall Away Co.
Bridge Hardware Co., Inc.: *See*—
Haber, Charles L.
Bridgeport Moulded Products, Inc., Fairfield, Conn. Container sets. 550,088, Oct. 23; Serial No. 594,192. Class 2.
British Heat Resisting Glass Comany Limited, The, Bilston, England. Glass ovenware and fireproof cooking ware. 549,834, Oct. 23; Serial No. 582,556, published July 3, 1951. Class 33.
British Heat Resisting Glass Company Limited, The, Bilston, England. Glass ovenware and fireproof cooking ware. 549,947, Oct. 23; Serial No. 601,532, published July 3, 1951. Class 33.
Brittain Products Company, The, to Hines-Park Foods, Inc., Ithaca, N. Y. Prepared mixes for ice creams, frozen custards and ices made from milk, etc. 532,347, Oct. 24, 1950. New Certificate. O. G. Oct. 23. Class 46.
Brittany Hat Co., Inc., The, New York, N. Y. Men's, women's and children's hats and caps. 550,000, Oct. 23; Serial No. 604,900, published July 3, 1951. Class 39.
Broan Mfg. Co., Inc., Milwaukee, Wis. Exhaust and ventilating fans. 549,963, Oct. 23; Serial No. 602,672, published July 17, 1951. Class 34.
Brown Mud Company, Los Angeles, Calif. Compound for treating the formation and bore hole of producing wells, etc. 549,840, Oct. 23; Serial No. 583,734, published July 31, 1951. Class 6.
Bruce Publishing Company, The, Milwaukee, Wis. Books and magazines. 549,952, Oct. 23; Serial No. 601,975, published July 24, 1951. Class 38.
Budinger, Robert F., doing business as The Northern Maple Company, Vulcan, Mich. Bowling pins. 549,946, Oct. 23; Serial No. 601,303, published July 10, 1951. Class 22.
Buffalo Bolt Company, North Tonawanda, N. Y. Bolts, nuts, screws, etc. 290,288, renewed Dec. 29, 1951. O. G. Oct. 23. Class 13.
Burlington Mills Corporation, Greensboro, N. C. Women's hosiery. 549,932, Oct. 23; Serial No. 599,496, published July 24, 1951. Class 39.
Bux Brix Manufacturing Company, Portland, Oreg. Educational construction toy. 549,879, Oct. 23; Serial No. 591,767, published July 10, 1951. Class 22.
California Farm Bureau Federation, Berkeley, Calif. Alfalfa seed. 549,858, Oct. 23; Serial No. 588,559, published July 17, 1951. Class 1.
California Oil Company, The, Wilmington, Del., and Barber, N. J. Periodical publications. 549,997, Oct. 23; Serial No. 604,762, published July 24, 1951. Class 38.
Caluwaerts, R., Co. Inc., New York, N. Y., assignor to Bendix Aviation Corporation. Electrically driven, portable hand saws. 549,895, Oct. 3; Serial No. 593,218, published July 31, 1951. Class 21.
Carlisle Corporation, Carlisle, Pa. Inner tubes, outer casings of pneumatic tires and tubes, etc. 549,934, Oct. 23; Serial No. 599,692, published July 24, 1951. Class 35.
Carpenter Paper Company: *See*—
Federal Envelope Manufacturing Co.
Carrier Corporation, Syracuse, N. Y. Air conditioning systems for drying, ventilating, etc. 549,862–3, Oct. 23; Serial Nos. 589,425–6, published July 24, 1951. Class 34.
Carvel, Thomas, New York, N. Y. Frozen custards, ice creams and ices. 550,082, Oct. 23; Serial No. 575,969. Class 46.
Castor & Heffelfinger: *See*—
Jer-Zee, Inc.
Catlett, Richard H., Richmond, Va. Preperation for use in making whitewash. 549,772, Oct. 23; Serial No. 554,474, published July 31, 1951. Class 16.
Central States Oil Co., doing busines as Imperial Refineries, Clayton, Mo. Anti-freeze liquid. 550,031, Oct. 23; Serial No. 606,207, published Aug. 7, 1951. Class 6.
Century Specialty Co.: *See*—
Duskin, Morris L.
Champagne Delamotte Pere & Fils (Societe à Responsabilité Limitée), Le Mesnilsur-Oger (Marne), France. Wines. 285,968, renewed Aug. 11, 1951. O. G. Oct. 23. Class 47.
Chemical Plants Engineering Company, Paint Products Division, Malden, Mass. Interior flat wall paint. 549,822, Oct. 23; Serial No. 580,642, published July 31, 1951. Class 16.
Chicago Electric Manufacturing Company, Chicago, Ill. Electric food mixer. 549,764, Oct. 23; Serial No. 551,530, published July 24, 1951. Class 21.
Chroma-Graph, Inc., Milwaukee, Wis. Photographic chemical. 549,976–7, Oct. 23; Serial Nos. 604,190–1, published July 31, 1951. Class 6.
Chunk-E-Nut Products Company, Inc., Philadelphia, Pa. Nut butter. 550,089, Oct. 23; Serial No. 594,360. Class 46.
Clow, James, B., & Sons, Chicago, Ill. Gas unit and gas steam radiators. 549,795, Oct. 23; Serial No. 572,485, published July 17, 1951. Class 34.
Cluett, Peabody & Co. Inc., Troy, N. Y. Men's and boys' underwear. 549,957, Oct. 23; Serial No. 602,363, published July 10, 1951. Class 39.
Coats, J. & P., (R. I.) Inc., Pawtucket, R. I. Threads. 550,052, Oct. 23; Serial No. 607,957, published July 24, 1951. Class 43.

Coats, J. & P., (R. I.) Inc., Pawtucket, R. I. Thread and yarn. 550,053, Oct. 23; Serial No. 608,037, published July 24, 1951. Class 43.

Cochrane Corporation, Philadelphia, Pa. 549,873, Oct. 23. Settling tanks and receiving tanks, Serial No. 607,375, published May 8, 1951, Class 2; Multiport, back-pressure, flow, boiler blow-off, drainer, float and relief valves, etc., Serial No. 590,883, published Apr. 24, 1951, Class 13; Electric-driven, motor-operated multiport valves, Serial No. 607,376, published May 8, 1951, Class 21; Motor-driven multiport valves, water-treatment apparatus, etc., Serial No. 590,884, published May 1, 1951, Class 23; V-notch recorders, pipe flow meters, float-controlled liquid level regulators, etc., Serial No. 590,885, published May 1, 1951, Class 26; Independent pressure and gravity filters and water softeners, Serial No. 590,886, published May 29, 1951, Class 31; Water and feed-water heaters, steam purifiers, Serial No. 590,887, published May 8, 1951, Class 34. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)

Coes and Young Company, Boston, Mass. Leather and canvas boots, shoes, and slippers, etc. 97,041, May 19, 1914. Republished Oct. 23. Class 39.

Cold Liquid Metals Company: *See*—
Pohlman, Emil C.

Colombo & Sons, San Francisco, Calif. Accordions. 549,778, Oct. 23; Serial No. 558,700, published July 24, 1951. Class 36.

Columbia Mills, Inc., The, Syracuse, N. Y. Rolling and stationary window screens. 549,955, Oct. 23; Serial No. 602,084, published July 3, 1951. Class 12.

Conditioned Aire Corp., Alexandria, Va. Readily portable air conditioning units. 549,816, Oct. 23; Serial No. 578,958, published May 16, 1950. Class 34.

Consolidated Millinery Company, Chicago, Ill. Ladies' and children's hats. 549,779, Oct. 23; Serial No. 558,072, published July 17, 1951. Class 39.

Consolidated Products Company, Danville, Ill. Buttermilk and vitamin feed. 440,039, Aug. 10, 1948. Republished Oct. 23. Class 46.

Conte & Sons Packing Co., Perkasie, Pa. Pizza sauce. 550,081, Oct. 23; Serial No. 573,529. Class 46.

Convertible Furs, Inc., New York, N. Y. Ladies' fur coats. 549,928, Oct. 23; Serial No. 599,311, published July 3, 1951. Class 39.

Corbitt, Helen, Houston, Tex. Remoulade sauce and poppy seed salad dressing. 549,865, Oct. 23; Serial No. 589,565, published July 3, 1951. Class 46.

Cris-Louise, Bristol, Tenn. Gift wrapping service. 550,063, Oct. 23; Serial No. 594,103, published July 24, 1951. Class 100.

Curtition Co.: *See*—
Wall Away Co.

Cusenier (Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aîné & Cie): *See*—
La Grande Distillerie E. Cusenier Fils Aîne & Cie, Societe Annoyme.

Cussins and Fearn Company, The, Columbus, Ohio. Floor, furniture and automobile polishing wax. 549,769, Oct. 23; Serial No. 553,177, published July 31, 1951. Class 4.

D & L Pharmacal Company, The, Cleveland Heights, Ohio. Medicinal preparation. 290,213, renewed Dec. 22, 1951. O. G. Oct. 23. Class 18.

Daniels, Ross, Inc., Des Moines, Iowa. Plant watering and fertilising devices. 550,070, Oct. 23; Serial No. 515,821. Class 13.

Davis Fishing Tackle Co.: *See*—
Davis, Lester M.

Davis, Lester M., doing business as Davis Fishing Tackle Co., Tacoma, Wash. Fishing tackle. 549,965, Oct. 23; Serial No. 602,893, published July 3, 1951. Class 22.

Davis Paint Co., Kansas City, Mo. Ready mixed oil paint, varnish, and enamel. 444,589, Oct. 23; Serial No. 521,565, published July 31, 1951. Class 16.

Delca Fish Preservators, Inc.: *See*—
Zwecker & Lehr, Inc.

Delca Fish Preservators, Inc., Brooklyn, N. Y. Canned pickled herring. 377,918, May 21, 1940. Republished Oct. 23. Class 46.

Delightform Foundations, Inc., Easton, Pa. Brassières. 550,047, Oct. 23; Serial No. 607,661, published July 24, 1951. Class 39.

Dempster Mill Manufacturing Company, Beatrice, Nebr. Cup leathers for pumps. 549,909, Oct. 23; Serial No. 595,876, published July 24, 1951. Class 35.

Dewey and Almy Chemical Company, Cambridge, Mass. Separator plates. 550,058, Oct. 23; Serial No. 609,677, published July 31, 1951. Class 21.

Diamond Alkali Company, Cleveland, Ohio. Dissolving agent. 550,019, Oct. 23; Serial No. 605,511, published July 31, 1951. Class 6.

Dittmar's Candies, Inc., Chicago, Ill. Sugar and chocolate coated candies. 549,807, Oct. 23; Serial No. 557,172, published July 3, 1951. Class 46.

Donahoe's Incorporated, Pittsburgh, Pa. Canned vegetables, canned fruits, honey, etc. 539,753, Oct. 23; Serial No. 545,727, published July 31, 1951. Class 46.

Douglas, Harry G., doing business as Belva Mfg. Co., St. Louis, Mo. Waterless shampoo. 549,832, Oct. 23; Serial No. 582,030, published July 31, 1951. Class 52.

Drybak Corporation, The, Binghamton, N. Y. Coats, blouses, vests, etc. 549,738–9, Oct. 23; Serial Nos. 509,830–1, published June 26, 1951. Class 39.

Ductube Company: *See*—
Hunter, Eldred T.

Dunne, Frank W., Co., Oakland, Calif. Exterior paints, high gloss enamel paints, etc. 549,884, Oct. 23; Serial No. 592,077, published July 31, 1951. Class 16.

Duro Metal Products Co., Chicago, Ill. Automotive tools. 285,395, renewed July 28, 1951. O. G. Oct. 23. Class 23.

Duskin, Morris L., doing business as Century Specialty Co., Chicago, Ill. Fabric laundry bags. 550,079, Oct. 23; Serial No. 569,123. Class 2.

Eagle-Picher Company, The, assignee: *See*—
Alston-Lucas Paint Co.

Eastman Kodak Company, by Eastman Kodak Company, Rochester, N. Y. Photographic film. 284,948, July 14, 1931. Republished Oct. 23. Class 26.

Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Electrical switches. 549,876, Oct. 23; Serial No. 591,227, published July 31, 1951. Class 21.

Educational Toy Co., Minneapolis, Minn. Resiliently supported children's exerciser seats. 549,808, Oct. 23; Serial No. 577,664, published Oct. 3, 1950. Class 22.

Elder Manufacturing Company, St. Louis, Mo. Men's and boys' dress and negligee shirts and boys' and children's waists and blouses. 288,545–7, renewed Nov. 3, 1951. O. G. Oct. 23. Class 39.

Elektrokemisk A/S, Oslo, Norway, and New York, N. Y. Smelting furnaces and parts of such furnaces. 549,824, Oct. 23. Serial No. 580,879, published July 17, 1951. Class 34.

Epilationmaster Manufacturing Company: *See*—
Baer, Leonard.

Essex Wire Corporation, Detroit, Mich. Electrical wires. 550,057, Oct. 23; Serial No. 609,430, published July 24, 1951. Class 21.

Esso Standard Oil Company: *See*—
Stanco Incorporated.
Standard Oil Company of New Jersey.

Evangelical Lutheran Church, The: *See*—
Norwegian Lutheran Church of America.

Everyood Food Manufacturers: *See*—
Orrell, James A.

Falconer Plate Glass Corporation, Falconer, N. Y. Mirrors. 289,151, renewed Nov. 17, 1951. O. G. Oct. 23. Class 32.

Falls Rubber Company, The, Cuyahoga Falls, to The Falls Rubber Company, Findlay, Ohio. Vehicle tires and inner tubes therefor. 284,767, renewed July 7, 1951. O. G. Oct. 23. Class 35.

Federal Cartridge Corporation, Minneapolis, Minn. Shotgun shells and air rifle shot. 549,806, Oct. 23; Serial No. 593,478, published Sept. 12, 1950. Class 9.

Federal Envelope Manufacturing Co., to Carpenter Paper Company, Omaha, Nebr. Correspondence and mailing envelopes. 289,953, renewed Dec. 15, 1951. O. G. Oct. 23. Class 37.

Federated Department Stores, Inc., doing business as John Shillito Company Division, Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company. Women's shoes. 549,755, Oct. 23; Serial No. 546,131, published July 17, 1951. Class 39.

Ferro Enamel Corporation, Cleveland, Ohio. Inorganic cobalt compounds, plastic stabilizers and fungicides. 549,848, Oct. 23; Serial No. 585,520, published July 31, 1951. Class 6.

Ferro Enamel Corporation, Cleveland, Ohio. Clays. 549,958–9, Oct. 23; Serial Nos. 602,385–6, published July 31, 1951. Class 1.

Ferro Enamel Corporation, Cleveland, Ohio. Clays. 549,960, Oct. 23; Serial No. 602,387, published July 17, 1951. Class 1.

Firestone & Company: *See*—
Firestone & Company, Inc.

Firestone & Company, Inc., Troutville, Va., assignee of Firestone & Company. Dressed poultry. 550,077, Oct. 23; Serial No. 558,386. Class 46.

Firewake Corporation, The, Ashland, Ky. Electrically operated audible fire alarm signal. 549,917, Oct. 23; Serial No. 596,906, published July 24, 1951. Class 21.

Fischer Industries, Inc.: *See*—
Fischer's Surfa-Saver, Inc.

Fischer's Surfa-Saver, Inc., to Fischer Industries, Inc., Cincinnati, Ohio. Soap. 285,434, renewed July 28, 1951. O. G. Oct. 23. Class 52.

Fisher, Bruce & Company, Philadelphia, Pa. China dinnerware. 549,804, Oct. 23; Serial No. 576,578, published July 17, 1951. Class 30.

Flexible Steel Lacing Company, Chicago, Ill. Metallic belt-fasteners. 84,224, re-renewed Nov. 21, 1951. O. G. Oct. 23. Class 13.

Flexible Steel Lacing Company, Chicago, Ill. Steel belt-lacing. 84,225, re-renewed Nov. 21, 1951. O. G. Oct. 23. Class 13.

Flint, Eaton and Company, Decatur, Ill. Antacid agent. 549,918, Oct. 23; Serial No. 597,260, published July 17, 1951. Class 18.

Flint, Eaton and Company, Decatur, Ill. Agent for neutralising gastric acidity, etc. 549,919, Oct. 23; Serial No. 597,262, published July 17, 1951. Class 18.

Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City, and St. Louis, Mo. Wheat flour. 549,765, Oct. 23; Serial No. 552,551, published June 12, 1951. Class 46.

Friedrich & Dimmock, Inc., Millville, N. J. Glassware. 549,925, Oct. 23; Serial No. 598,992, published July 31, 1951. Class 33.

Gangler-Gentry Company, The, Catonsville, Md. Game. 549,759, Oct. 23; Serial No. 547,440, published July 3, 1951. Class 22.

Gas Appliance Manufacturers Association, New York, N. Y. Gas fired water heaters. 550,067, Oct. 23; Serial No. 606,290, published July 17, 1951. Class 34.

Gates Rubber Company, The, Denver, Colo. Pneumatic tires, pneumatic tubes, power transmission belts, etc. 549,898, Oct. 23; Serial No. 593,666, published July 24, 1951. Class 35.

Gelgy Company, Inc., New York, N. Y. Mothproofing and moth repellent agents. 444,586, Oct. 23; Serial No. 504,971, published Mar. 18, 1947. Class 6.

General Aniline & Film Corporation, New York, N. Y. Metal carbonyls. 549,948, Oct. 23; Serial No. 601,722, published July 31, 1951. Class 6.

General Aniline & Film Corporation, New York, N. Y. Photographic developers. 550,020, Oct. 23; Serial No. 605,514, published July 31, 1951. Class 6.

General Elevator Company, Inc., Baltimore, Md. Electric elevators and parts therefor. 550,055, Oct. 23; Serial No. 608,603, published July 31, 1951. Class 21.

General Motors Corporation, Detroit, Mich. Brake shoes and linings therefor. 549,843, Oct. 23; Serial No. 585,166, published June 26, 1951. Class 19.

General Motors Corporation, Detroit, Mich. Radio receiving sets and for operator controlled selector devices therefor. 549,885, Oct. 23; Serial No. 592,203, published Nov. 7, 1950. Class 21.

General Tire & Rubber Company, The, Akron, Ohio. Repair and retreading of pneumatic tires. 550,060, Oct. 23; Serial No. 580,239, published July 31, 1951. Class 103.

Gentile Bros. Company, Orlando, Fla. Fresh fruits. 289,189, renewed Nov. 24, 1951. O. G. Oct. 23. Class 46.

Genuine Leather Processing Corp., New York, N. Y. Processed leather and sheet leather. 550,012–13, Oct. 23; Serial Nos. 605,359–60, published July 17, 1951. Class 1.

George, P. D., Company, The St. Louis, Mo. Paints. 289,301, renewed Nov. 24, 1951. O. G. Oct. 23. Class 16.

Gerson-Stewart Corporation Company, The, Cleveland, Ohio. Insecticides and disinfectants. 549,992, Oct. 23; Serial No. 604,577, published July 31, 1951. Class 6.

Gettler, John M., Bookbinder: *See*—
Gettler, Joseph.

Gettler, Joseph, doing business as John M. Gettler, Bookbinder, New York, N. Y. Bookbinding and step indexing. 550,061, Oct. 23; Serial No. 581,416, published July 31, 1951. Class 106.

Given Manufacturing Company, Los Angeles, Calif. Electric garbage disposal units. 549,766, Oct. 23; Serial No. 552,649, published Dec. 6, 1949. Class 21.

Grand Products Company, Chicago, Ill. Purse size perfume containers and dispensers. 549,792, Oct. 23; Serial No. 570,960, published July 3, 1951. Class 28.

Grand Rapids Cabinet Company, Grand Rapids, Mich. Refrigerator cabinets. 285,501, renewed July 28, 1951. O. G. Oct. 23. Class 31.

Great Lakes Varnish Works, Inc., Chicago, Ill. Street marking lacquer. 549,841, Oct. 23; Serial No. 583,872, published July 31, 1951. Class 16.

Griswold Seed Co.: *See*—
Berry Seed Company.

Grosset & Dunlap, Inc., New York, N. Y. Printed books. 549,995, Oct. 23; Serial No. 604,630, published July 24, 1951. Class 38.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 549,973, Oct. 23; Serial No. 603,785, published July 17, 1951. Class 27.

Gunite Concrete and Construction Company, Kansas City, Mo. Graduated measuring receptacle. 290,181, renewed Dec. 22, 1951. O. G. Oct. 23. Class 26.

Haber, Charles L., to Bridge Hardware Co., Inc., New York, N. Y. Locks and keys. 290,237, renewed Dec. 22, 1951. O. G. Oct. 23. Class 25.

Hachmeister-Inc., Pittsburgh, Pa. Dry mixes and concentrated dry mixes used in the baking industry. 550,095, Oct. 23; Serial No. 598,468. Class 46.

Halaby, Samuel, Inc., Rochester, N. Y. Soap powder and flakes and detergent. 549,833, Oct. 23; Serial No. 582,131, published July 31, 1951. Class 52.

Hall Hartwell & Co., Troy, by The Shirtcraft Company, Inc., New York, N. Y. Dress, negligee and work shirts. 144,411, July 5, 1921. Republished Oct. 23. Class 39.

Hamber, M., Argent, trading under the name Lifetime Watch Company, Philadelphia, Pa. Watches. 549,904, Oct. 23; Serial No. 594,969, published July 17, 1951. Class 27.

Hamilton Glass Company, Inc., Chicago, Ill. Plate glass, glass for mirrors, and glass store fronts. 549,859, Oct. 23; Serial No. 588,644, published July 3, 1951. Class 33.

Hand, Peter, Brewery Co.: *See*—
Hand, Peter, Company.

Hand, Peter, Brewery Company: *See*—
Hand, Peter, Company.

Hand, Peter, Company, doing business as Peter Hand Brewery Co., by Peter Hand Brewery Company, Chicago, Ill. Melt beverages. 306,427, Sept. 19, 1933. Republished Oct. 23. Class 48.

Harrison Products, Inc., San Francisco, Calif. Sedative preparation. 550,040, Oct. 23; Serial No. 606,974, published July 17, 1951. Class 18.

Hart Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, over coats, etc. 549,762, Oct. 23; Serial No. 548,590, published Sept. 26, 1950. Class 39.

"Haskey Company, The": *See*—
Asquith, Herbert K.

Hat Corporation of America, Norwalk, Conn. Hats. 549,975, Oct. 23; Serial No. 604,152, published July 3, 1951. Class 39.

Hat Corporation of America, Norwalk, Conn. Periodical. 549,980, Oct. 23; Serial No. 604,302, published July 24, 1951. Class 38.

Hathaway, C. F., Co., Waterville, Maine. Men's outer shirts. 549,747, Oct. 23; Serial No. 533,889, published July 3, 1951. Class 39.

Hawley Products Company, St. Charles, Ill. Baby buggy bodies. 550,038, Oct. 23; Serial No. 606,609, published July 17, 1951. Class 19.

Hecht Company, The, Washington, D. C. Sport coats and slacks. 549,933, Oct. 23; Serial No. 599,567, published July 3, 1951. Class 39.

Hendrick Manufacturing Company, Carbondale, Pa. Grilles. 549,847, Oct. 23; Serial No. 585,230, published July 31, 1951. Class 34.

Henry and Henry, Inc., Buffalo, N. Y. Chocolate syrup. 550,073, Oct. 23; Serial No. 541,676. Class 46.

Hercules Powder Company, Wilmington, Del. Nitro carbo nitrate. 550,004, Oct. 23; Serial No. 605,097, published July 24, 1951. Class 6.

Her-Mar Industries, Inc., Fort Wayne, Ind. Ready mixed stains, varnish, and liquid paint and varnish removers. 549,806, Oct. 23; Serial No. 576,753, published July 31, 1951. Class 16.

Hewitt-Robins Incorporated, Buffalo, N. Y. Rubber belting, hose, packing, etc. 549,790, Oct. 23; Serial No. 568,733, published July 24, 1951. Class 35.

Higley Chemical Company, Dubuque, Iowa. Liquid soap. 549,741, Oct. 23; Serial No. 520,034, published Feb. 28, 1950. Class 52.

Hillman Periodicals, Inc., New York, N. Y. Periodical publication. 550,037, Oct. 23; Serial No. 606,427, published July 24, 1951. Class 38.

Hills Brothers Company, The, New York, N. Y. Figs. 84,629, re-renewed Dec. 26, 1951. O. G. Oct. 23. Class 46.

Hines-Park Foods, Inc.: *See*—
Brittain Products Company, The.

Hobart Manufacturing Company, The, Troy, Ohio. Electric dishwashers. 549,810, Oct. 23; Serial No. 577,791, published July 24, 1951. Class 21.

Holiday Food Company, The: *See*—
Luger, Charles R.

Holland Color and Chemical Company, Holland, Mich. Chemical colors. 550,018, Oct. 23; Serial No. 605,481, published July 31, 1951. Class 6.

Holland Furnace Company, Holland, Mich. Furnace flue gas baffle. 549,743, Oct. 23; Serial No. 528,929, published July 17, 1951. Class 34.

Hollander, A., & Son, Inc., Newark, N. J. Chemically treating furs. 550,102, Oct. 23; Serial No. 582,084. Class 106.

Hollins, William, & Company Limited, Nottingham, England. Men's garments, ladies' garments, etc. 549,939, Oct. 23; Serial No. 600,484, published June 5, 1951. Class 39.

Hollins, William, & Company Limited, Nottingham, England. Men's garments; ladies' garments; etc. 549,943, Oct. 23; Serial No. 600,776, published July 3, 1951. Class 39.

Holyoke Belting Company, Holyoke, Mass. Belt cement. 549,748, Oct. 23; Serial No. 534,285, published Feb. 13, 1951. Class 5.

Hood Chemical Co., Inc., Philadelphia, Pa. Liquid dispersant and emulsifying agent. 550,022, Oct. 23; Serial No. 605,791, published July 31, 1951. Class 6.

Hoover Products, Inc., Youngstown, Ohio. Babies' toys. 549,791, Oct. 23; Serial No. 568,948, published July 18, 1950. Class 22.

Houghton, E. F., & Co., Philadelphia, Pa. Chemical compound. 84,233–4, re-renewed Nov. 21, 1951. O. G. Oct. 23. Class 6.

Hubbell, Harvey, Incorporated, Bridgeport, Conn. Convertible electric attachment plugs and plug caps. 550,032, Oct. 23; Serial No. 606,217, published July 24, 1951. Class 21.

Hudnut, Richard, New York, N. Y. Nail-polish, perfumes, sachet-powder, etc. 82,889, re-renewed Aug. 1, 1951. O. G. Oct. 23. Class 51.

Hudson Motor Car Company, Detroit, Mich. Automobiles and automobile bodies. 549,963–4, Oct. 23; Serial Nos. 604,365–6, published June 26, 1951. Class 19.

Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa. Textile rugs and carpets. 289,556, renewed Dec. 1, 1951. O. G. Oct. 23. Class 42.

Hunter, Eldred T., doing business as Ductube Company, Washington, D. C. Fabric and rubber tubing. 549,809, Oct. 23; Serial No. 577,718, published July 24, 1951. Class 35.

Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing reels. 549,735, Oct 23; Serial No. 503,518, published July 3, 1951. Class 22.

Hurd Lock & Manufacturing Company, Detroit, Mich. Fishing reels. 549,751, Oct. 23; Serial No. 540,674, published July 3, 1951. Class 22.

Hyman, S. L., Company, The, Fremont, Ohio. Seat cover selectors, etc., slide charts. 550,084, Oct. 23; Serial No. 583,873. Class 26.

Imperial Refineries: *See*—
Central States Oil Co.

Interchemical Corporation, New York, N. Y. Primer and sealer compositions. 549,964, Oct. 23; Serial No. 602,697, published July 31, 1951. Class 16.

International Harvester Company, Chicago, Ill. Refrigeration packaging products, namely, wrapping paper. 549,949, Oct. 23; Serial No. 601,792, published May 29, 1951. Class 37.

International Harvester Company, Chicago, Ill. Twine. 549,994, Oct. 23; Serial No. 604,607, published July 31, 1951. Class 7.

International Labor Press of America, Newark, N. J. Weekly and monthly, local and state labor papers. 550,066, Oct. 23; Serial No. 603,062, published July 24, 1951. Class 38.

International Latex Corporation, Dover, Del. Bathing, beach and shower caps and baby pants. 549,775, Oct. 23; Serial No. 558,034, published July 10, 1951. Class 39.

Interstate Sanitation Co., Inc., The, Cincinnati, Ohio. Air deodorant. 550,014, Oct. 23; Serial No. 605,361, published July 24, 1951. Class 6.

J and E Manufacturing Company, Jackson Center, Ohio. Baby bibs. 549,787, Oct. 23; Serial No. 566,233, published July 24, 1951. Class 39.

Jackson Byron Co., Los Angeles, Calif. Well tools. 549,823, Oct. 23; Serial No. 580,727, published July 17, 1951. Class 23.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Face powder. 549,817, Oct. 23; Serial No. 579,329, published June 26, 1951. Class 51.

Jer-Zee, Inc., Kenton and Marion, Ohio, assignee of Castor & Heffelfinger. Frozen confection. 550,085, Oct. 23; Serial No. 584,970. Class 46.

Jo-Bell Products, Inc., Chicago, Ill. Liquid level controls. 549,829, Oct. 23; Serial No. 581,596, published July 31, 1951. Class 21.

Johnson Motor Company, Waukegan, Ill. Outboard motors. 259,154, July 23, 1929. Corrected. O. G. Oct. 23. Class 23.

Johnson Steel & Wire Company, Inc., Worcester, Mass. Cold rolled and drawn steel wire, oil hardened and tempered steel wire, etc. 549,758, Oct. 23; Serial No. 546,910, published Apr. 25, 1950. Class 14.

Kanner, Joseph, Hat Co., Inc.: *See*—
Kanner-Wald Inc.

Kanner-Wald Inc., by Joseph Kanner Hat Co., Inc., South Norwalk, Conn. Men's hats. 403,460, Sept. 28, 1943. Republished Oct. 23. Class 39.

Kaufmann Department Stores: *See*—
May Department Stores Company, The.

Kelco Company, San Diego, Calif. Semi-refined alkali metal salt of alginic acid. 550,009, Oct. 23; Serial No. 605,310, published July 24, 1951. Class 6.

Kent, Roger, Inc., New York, N. Y., Philadelphia, Pa., New Haven, Conn., Cambridge and Boston, Mass. Men's clothing. 549,981, Oct. 23; Serial No. 604,306, published July 17, 1951. Class 39.

Kieffer, Grace W., Greenwich, Conn. Salad dressing. 549,811, Oct. 23; Serial No. 577,794, published Oct. 3, 1950. Class 46.

Kitchen Art Foods, Inc., Chicago, Ill. Dry mix containing rice and seasoning ingredients. 550,071, Oct. 23; Serial No. 532,461. Class 46.

Klein, Olde V., Washington, D. C. Maternity garments. 444,588, Oct. 23; Serial No. 520,105, published July 3, 1951. Class 39.

Koree, Jean U., New York, N. Y. Laxative preparation. 550,002, Oct. 23; Serial No. 605,040, published July 17, 1951. Class 18.

Kreiss, Jack: *See*—
National Department Stores Inc.

Kroger Co., The, Cincinnati, Ohio. Fresh bakery goods. 550,090, Oct. 23; Serial No. 594,385. Class 46.

Kuhl, Peter J., Racine, Wis. Fish stringers. 549,902, Oct. 23; Serial No. 594,224, published July 10, 1951. Class 22.

Lac Chemicals, Inc., Culver City, Calif. Anti-freeze solution. 549,027, Oct. 23; Serial No. 605,960, published Aug. 7, 1951. Class 6.

La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme, to Cusenier (Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine & Cie.), Paris, France. Nonalcoholic cordial. 284,013, renewed June 9, 1951. O. G. Oct. 23. Class 45.

La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme, to Cusenier (Societe Anonyme de la Grande Distillerie E. Cusenier Fils Aine & Cie.), Paris, France. Non-alcoholic, maltless beverages. 286,918, renewed Sept. 8, 1951. O. G. Oct. 23. Class 45.

Lambert Marketing Co., Sacramento, Calif. Fresh vegetables, fresh deciduous fruits. 287,439, renewed Sept. 29, 1951. O. G. Oct. 23. Class 46.

Lancome, S. A., Paris, France. Perfume, toilet water, cologne, etc. 549,745, Oct. 23; Serial No. 530,525, published July 24, 1951. Class 51.

Landers, Frary & Clark, New Britain, Conn. Electric beverage mixers. 550,050, Oct. 23; Serial No. 607,861, published July 31, 1951. Class 21.

La Prade's Fishing Camp, Clarkesville, Ga. Onion relish. 550,091, Oct. 23; Serial No. 594,794. Class 46.

Lavick, A. C., Inc., Chicago, Ill. Men's jewelry. 549,818, Oct. 23; Serial No. 579,332, published July 17, 1951. Class 28.

Lederer de Paris Fifth Avenue, Inc., New York, N. Y. Ladies' belts, gloves, scarves, etc. 549,944, Oct. 23; Serial No. 600,799, published July 24, 1951. Class 39.

Lee, Frank H., Company, The, Danbury, Conn, and elsewhere. Men's hats. 549,803, Oct. 23; Serial No. 576,341, published July 3, 1951. Class 39.

Lee, Toni, Ltd., New York, N. Y. Inner and outer garments. 549,827, Oct. 23; Serial No. 581,427, published July 24, 1951. Class 39.

Lees Manufacturing Co., The, New York, N. Y., and Westport, Conn., to The Lees Manufacturing Co., Westport, Conn. Seine-twines. 84,645, re-renewed Dec. 26, 1951. O. G. Oct. 23. Class 7.

Leidsche Textielfabrieken Gebr. Van Wijk & Co. N. V., Leiden, Netherlands. Woolen and worsted yarns and threads. 549,870, Oct. 23; Serial No. 590,375, published July 31, 1951. Class 43.

Lenoir Hosiery Mills, Inc., Lenoir, N. C. Hosiery for women. 549,868, Oct. 23; Serial No. 589,902, published July 17, 1951. Class 39.

Leschin, J., Stores Corporation, The, New York, N. Y. Women's, Misses' and children's hats. 549,786, Oct. 23; Serial No. 564,884, published July 24, 1951. Class 39.

Lifetime Watch Company: *See*—
Hamber, M. A.

Lindgren Company, Inc., San Francisco, Calif. Liquid to be added to cement or mortar. 549,956, Oct. 23; Serial No. 602,323, published July 3, 1951. Class 12.

Link Manufacturing Company, Inc., Fargo, N. Dak. Blower type grain mover. 549,761, Oct. 23; Serial No. 548,270, published July 3, 1951. Class 23.

Logan, Jonathan, Inc., New York, N. Y. Women's dresses. 549,924, Oct. 23; Serial No. 598,262, published July 24, 1951. Class 39.

Lowe, Joe Corporation: *See*—
Popsicle Corporation of the United States, The.

Luger, Charles R., doing business as The Holiday Food Company, Kansas City, Mo. Frozen parker house rolls. 550,076, Oct. 23; Serial No. 549,643. Class 46.

Lutz Pork Bait Co., Kansas City, Mo. Pork rind fish bait. 549,780, Oct. 23; Serial No. 562,650, published July 3, 1951. Class 22.

Mack Brothers Manufacturing Company, assignor to Wen-Mac Corporation, Beverly Hills, Calif. Toy Airplanes, parts and accessories. 549,968, Oct. 23; Serial No. 603,372, published July 10, 1951. Class 22.

Mahady, E. F., Company, Boston, Mass. Permanent mounting fluid. 549,830, Oct. 23; Serial No. 581,723, published July 24, 1951. Class 6.

Mansfield Tire and Rubber Company, The, Mansfield, Ohio. Motor vehicle tires. 549,812, Oct. 23; Serial No. 577,972, published July 24, 1951. Class 35.

Markowits, J., & Son, Inc., New York, N. Y. Suits, sun suits, coats, etc. 549,754, Oct. 23; Serial No. 546,110, published July 24, 1951. Class 39.

Martin-Senour Company, The, Chicago, Ill. Paints, varnishes, paint enamels, etc. 549,774, Oct. 23; Serial No. 555,282, published July 31, 1951. Class 16.

Materna Products, Inc., Memphis, Tenn. Face powder, hand lotion, foundation cream, etc. 549,889, Oct. 23; Serial No. 592,572, published July 24, 1951. Class 51.

May Department Stores Company, The, St. Louis, Mo., doing business under the name of Kaufmann Department Stores, Pittsburgh, Pa. Camp stoves, coal and oil circulator heaters, stokers, etc. 549,799, Oct. 23; Serial No. 574,442, published July 31, 1951. Class 34.

May Lorder Studios, Inc., Providence, R. I. Electric household appliances. 549,888, Oct. 23; Serial No. 592,501, published July 24, 1951. Class 21.

McAlister, George A., Jr., Big Spring, Tex. Evaporative coolers for automobiles. 549,935, Oct. 23; Serial No. 599,960, published June 26, 1951. Class 19.

McGraw Electric Company, Elgin, Ill. Electrical appliances. 550,056, Oct. 23; Serial No. 609,370, published July 24, 1951. Class 21.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazine. 549,742, Oct. 23; Serial No. 525,637, published July 17, 1951. Class 38.

McIntosh, William E., Geneva, N. Y. Frozen ready-to-bake pies. 550,078, Oct. 23; Serial No. 562,718 Class 46.

McLaren-Consolidated Cone Corporation, to National Biscuit Company, New York, N. Y. Bakery products. 289,927, Dec. 15, 1931. New certificate. O. G. Oct. 23. Class 46.

McLaughlin Gormley King Company, Minneapolis, Minn. Insecticidal liquid. 549,899, Oct. 23; Serial No. 593,675, published July 31, 1951. Class 6.

Meck, John, Industries, Inc., Plymouth, Ind. Electrical apparatus. 550,097, Oct. 23; Serial No. 599,715. Class 21.

Memphis Metal Mfg. Co., Inc., Memphis, Tenn. Stationary mechanical exercisers. 550,044, Oct. 23; Serial No. 607,438, published July 10, 1951. Class 22.

Mendes, J. Curry, Boston, Mass. Collating and tipping machines. 521,322, Feb. 21, 1950. Corrected. O. G. Oct. 23. Class 23.

Mercantile Stores Company, Inc., Wilmington, Del. Billfolds, wallets, key cases, etc. 549,825, Oct. 23; Serial No. 580,895, published July 31, 1951. Class 3.

Merit Clothing Compnay: *See*—
Merit Manufacturing Company.

Merit Manufacturing Company, to Merit Clothing Company, Mayfield, Ky. Boys' outer suits, coats, vests, and pants. 84,021, re-renewed Oct. 31, 1951. O. G. Oct. 23. Class 39.

Meti, Inc., Chicago, Ill. Ladies' dresses and suits. 550,043, Oct. 23; Serial No. 607,181, published July 24, 1951. Class 39.

Michaels & Co., Inc., Brooklyn, N. Y. Combination radio-phonographs. 550,051, Oct. 23; Serial No. 607,863, published July 24, 1951. Class 21.

Mid-Continent Seeds Inc.: *See*—
Berry Seed Company.

Mifflin Chemical Company: *See*—
Mifflin Chemical Corporation.

Mifflin Chemical Corporation, to Mifflin Chemical Company, Philadelphia, Pa. Cream deodorant. 290,018, renewed Dec. 22, 1951. O. G. Oct. 23. Class 51.

Miller, Edward J., doing business as The Perma-Stone Co., Long Beach, Calif., to E. J. Miller, doing business as Perma-Stone Company, Columbus, Ohio. Molds for use in building construction. 281,621, renewed Mar. 24, 1951. O. G. Oct. 23. Class 23.

Miller, Marcellus S., Norfolk, Va. Plates made of china. 549,907, Oct. 23; Serial No. 595,731, published July 3, 1951. Class 30.

Miniature Train Co., Rensselaer, Ind. Miniature railroads and miniature rail equipment. 549,921, Oct. 23; Serial No. 597,773, published July 10, 1951. Class 22.

Miracold, Seattle, Wash. Electrical vaporizer. 549,832, Oct. 23; Serial No. 582,049, published Aug. 15, 1950. Class 21.

Mr. John, Inc., New York, N. Y. Women's hats, gloves, scarfs, etc. 549,819, Oct. 23; Serial No. 579,499, published July 3, 1951. Class 39.

Mister Short Company, The, Chicago, Ill. Men's outer shirts. 549,781, Oct. 23; Serial No. 563,002, published July 3, 1951. Class 39.

Mister Short Company, The, Chicago, Ill. Under shorts. 549,788, Oct. 23; Serial No. 566,414, published July 10, 1951. Class 39.

Mitchell Bros., Incorporated, Bridgeport, Conn. Women's lounging and sleeping pajamas. 549,996, Oct. 23; Serial No. 604,700, published July 24, 1951. Class 39.

Molly Enterprises: *See*—
Suich, D. Mary.

Mosley, Florence, Fort Worth, Tex. Hot roll mix and pie crust mix. 550,086, Oct. 23; Serial No. 589,388. Class 46.

Munising Paper Company, The, Chicago, Ill. Polishing sheet. 549,874, Oct. 23; Serial No. 590,908, published July 31, 1951. Class 4.

Myerson Tooth Corporation, Cambridge, Mass. Artificial teeth. 550,005, Oct. 23; Serial No. 605,112, published July 17, 1951. Class 44.

National Biscuit Company: *See*—
McLaren-Consolidated Cone Corporation.

National Department Stores Inc., to J. Kreiss, trading as Jack Kreiss Co., New York, N. Y. Ladies' hosiery. 249,574, renewed Nov. 20, 1948. O. G. Oct. 23. Class 39.

National Shortening and Oil Mfg. Corp., Newark, N. J. Vegetable shortening. 550,098, Oct. 23; Serial No. 600,392. Class 46.

National Silver Company, New York, N. Y. 549,906, Oct. 23. Base metal hollow ware. Serial No. 595,674, published June 12, 1951, Class 13; Base metal table cutlery, Serial No. 595,675, published Aug. 1, 1950, Class 23. (Consolidated certificate, Classes 13 and 23.)

Nation-Wide Publishing Corp., Chicago, Ill. Comic magazines. 550,010, Oct. 23; Serial No. 605,322, published July 24, 1951. Class 38.

Nelson Chemicals Corporation, Detroit, Mich. Catalyst for the treatment of waste liquors. 549,998, Oct. 23; Serial No. 604,797, published July 24, 1951. Class 6.

Nelson Ideas, Inc., Schenectady, N. Y. Air deodorizing liquid. 550,006, Oct. 23; Serial No. 605,114, published July 24, 1951. Class 6.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Frangible targets. 549,891, Oct. 23; Serial No. 593,010, published July 10, 1951. Class 22.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New England Box Company, The, Greenfield, Mass. Wooden toy blocks, block wagons, etc. 549,828, Oct. 23; Serial No. 581,435, published July 3, 1951. Class 22.

New England Fish Company, Seattle, Wash. Canned salmon. 284,991, renewed July 14, 1951. O. G. Oct. 23. Class 46.

Northern Maple Company, The: *See*—
Budinger, Robert F.

Norwegian Lutheran Church of America, to The Evangelical Lutheran Church, Minneapolis, Minn. Periodical publication. 286,898, renewed Sept. 8, 1951. O. G. Oct. 23. Class 38.

Novo Engine Company, Lansing, Mich. Pumps. 287,816, renewed Oct. 13, 1951. O. G. Oct. 23. Class 23.

Nubone Company, Inc., The, Erie, Pa. Corsets and brassières. 549,860, Oct. 23; Serial No. 588,991, published July 24, 1951. Class 39.

Nuchief Sales, Inc., Wenatchee, Wash., by change of name from Washington Sales, Inc. Fresh apples. 549,800, Oct. 23; Serial No. 575,506, published July 10, 1951. Class 46.

Nuodex Products Co., Inc., Elizabeth, N. J. Furnishing of general and detailed scientific and technical data and information to other companies, etc. 550,059, Oct. 23; Serial No. 557,948, published July 24, 1951. Class 101.

Nydqvist & Holm Aktiebolag, Trollhattan, Sweden. Electric locomotives. 549,929, Oct. 23; Serial No. 599,388, published July 31, 1951. Class 21.

Olson Radio Warehouse, Inc., Akron, Ohio. Electrical apparatus. 550,042, Oct. 23; Serial No. 607,136, published July 31, 1951. Class 21.

Olson, Walter D., doing business as ReadyMike Company, Piedmont, Calif. Transmitter head set assembly. 550,100, Oct. 23; Serial No. 608,510. Class 21.

Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver hollow tableware. 550,049, Oct. 23; Serial No. 607,760, published July 3, 1951. Class 28.

Orrell, James A., doing business as Evergood Food Manufacturers and Orrell's Food Products, Oakland, Calif. Mayonnaise dressing, French dressing, Thousand Island dressing, etc. 550,080, Oct. 23; Serial No. 572,680. Class 46.

Orrell's Food Products: *See*—
Orrell, James A.

Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y. Compositions containing metal naphthenates. 549,872, Oct. 23; Serial No. 590,754, published July 31, 1951. Class 6.

Ostby and Barton Company, Providence, R. I. Finger rings. 549,999, Oct. 23; Serial No. 604,883, published July 31, 1951. Class 28.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Internal-combustion-engine-powered outboard motors and parts. 549,756, Oct. 23; Serial No. 546,418, published July 17, 1951. Class 23.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Padi Clothes Inc., Philadelphia, Pa. Men's clothing. 549,893, Oct. 23; Serial No. 593,187, published June 5, 1951. Class 39.

Page Belting Company, Concord, N. H. Leather belting and leather machinery packing. 549,760, Oct. 23; Serial No. 547,652, published Apr. 26, 1949. Class 35.

Palm Terrace Fruit Company, Mt. Dora, Fla. Fresh citrus fruits, fresh deciduous fruits, fresh vegetables, etc. 549,993, Oct. 23; Serial No. 604,592, published July 31, 1951. Class 46.

Pandaleon Brothers, Inc., Chicago, Ill. Dried fruits, nut meats, mixed fruits, etc. 549,763, Oct. 23; Serial No. 551,134, published July 31, 1951. Class 46.

Pangborn Corporation, Hagerstown, Md. Abrading, cleaning and finishing machines and parts thereof. 550,099, Oct. 23; Serial No. 601,558. Class 23.

Panhandle Publishing Company, Inc., Amarillo, Tex. Merchandise purchasing stamps. 550,039, Oct. 23; Serial No. 606,673, published July 24, 1951. Class 38.

Paraffine Companies, Inc., The, San Francisco, Calif., now by change of name Pabco Products Inc. Linoleum floor coverings. 549,776, Oct. 23; Serial No. 558,061, published May 15, 1951. Class 20.

Parsons, Chandler R., doing business as Parsons Chemical Works, Grand Ledge, Mich. Insecticides. 549,961, Oct. 23; Serial No. 602,523, published July 24, 1951. Class 6.

Parsons Chemical Works: *See*—
Parsons, Chandler R.

Patentry Company, Inc., The, Jamaica, N. Y. Miter boxes. 549,773, Oct. 23; Serial No. 555,071, published July 10, 1951. Class 23.

Perma-Stone Company: *See*—
Miller, Edward J.

Perma-Stone Co., The: *See*—
Miller, Edward J.

Permoflux Corporation, Chicago, Ill. Electrically operated dictating machines. 550,054, Oct. 23; Serial No. 608,377, published July 24, 1951. Class 21.

Peranger, William G., doing business as Shine-Boy Manufacturing Company, Burbank, Calif. Portable barbecue of metal. 549,940, Oct. 23; Serial No. 600,508, published July 31, 1951. Class 34.

Peterson, Edwin F., Kewanee, Ill. Smooth stem dowel pin. 550,101, Oct. 23; Serial No. 608,512. Class 13.

Phillips Products, Chicago, Ill. Preservative for auto bodies and chromium finishes. 550,021, Oct. 23; Serial No. 605,528, published July 31, 1951. Class 6.

Pieri, J. G., Company: *See*—
Pieri, John J.

Pieri, John J., executor of the estate of J. G. Pieri, deceased, doing business as J. G. Pieri Company, Buffalo, N. Y. Packaged food products. 549,749, Oct. 23; Serial No. 536,130, published July 31, 1951. Class 46.

Pieri, Joseph G.: *See*—
Pieri, John J.

Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 549,892, Oct. 23; Serial No. 593,083, published July 3, 1951. Class 46.

Pillsbury Mills, Inc., Minneapolis, Minn. Semolina. 550,074, Oct. 23; Serial No. 546,029. Class 46.

Pinol Manufacturing Co. Inc., Philadelphia, Pa. Pipe dope, patching plaster and roofing cement. 549,880, Oct. 23; Serial No. 591,861, published July 3, 1951. Class 12.

Playtime House, Rochester, N. Y. Children's puzzles, games, etc. 444,585, Oct. 23; Serial No. 503,264, published July 24, 1951. Class 22.

Pohlman, Emil C., doing business as Cold Liquid Metals Company, Los Angeles, Calif. Colloidal liquid metallic paint coatings. 549,854, Oct. 23; Serial No. 587,560, published July 31, 1951. Class 16.

Polk Sanitary Milk Company, The, Indianapolis, Ind. Dairy and like products. 549,783, Oct. 23; Serial No. 563,630, published July 24, 1951. Class 46.

Polypiastex United, Inc., Elmhurst, N. Y. Sheets of composite fabrics. 549,782, Oct. 23; Serial No. 563,214, published July 17, 1951. Class 1.

Popsicle Corporation of the United States, The, to Joe Lowe Corporation, New York, N. Y. Frozen confectionery. 290,117, renewed Dec. 22, 1951. O. G. Oct. 23. Class 46.

Precision Rubber Products Corporation, Dayton, Ohio. Gasket seal. 549,950, Oct. 23; Serial No. 601,846, published July 24, 1951. Class 35.

Price-Wilhoite Company, The, Frederick, Md. Sandwiches. 550,072, Oct. 23; Serial No. 539,437. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Soap-like synthetic detergents. 549,971, Oct. 23; Serial No. 603,563, published July 31, 1951. Class 52.

Procter & Gamble Company, The, Cincinnati, Ohio. Finishing agents for textiles. 550,007, Oct. 23; Serial No. 605,173, published July 24, 1951. Class 6.

Production Engineering Company: *See*—
U. S. Die Casting and Manufacturing Company.

Projansky, Henry, Revere, Mass. Cartoons. 550,008, Oct. 23; Serial No. 605,232, published July 24, 1951. Class 38.

R. J. M. Sales Co., Burlington, Wis. Dry bath or cleaner for dogs and cats and also a shampoo for dogs and cats. 549,968, Oct. 23; Serial No. 602,974, published July 31, 1951. Class 52.

Ramapo Ajax Corporation, to American Brake Shoe Company, New York, N. Y. Rail switches. 288,568, renewed Nov. 3, 1951. O. G. Oct. 23. Class 23.

Random House, Inc., New York, N. Y. Books. 550,033, Oct. 23; Serial No. 606,323, published July 24, 1951. Class 38.

Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. 549,922, Oct. 23; Serial No. 598,038, published July 17, 1951. Class 52.

Ray-O-Vac Company, Madison, Wis. Dry cell batteries, dry cell batteries for flashlights, etc. 550,048, Oct. 23; Serial No. 607,721, published July 31, 1951. Class 21.

Rea, Newville F.: *See*—
Weed Destroyer Co., Inc.

ReadyMike Company: *See*—
Olson, Walter D.

Red Devil Tools, Irvington, N. J. Auger bits, star drills, punches, etc. 549,770, Oct. 23; Serial No. 554,155, published June 26, 1951. Class 23.

Register and Tribune Company, The, Des Moines, Iowa. Cartoon section of newspapers and other publications. 549,990, Oct. 23; Serial No. 604,547, published July 24, 1951. Class 38.

Rehels Company, Inc., Berkeley Heights, N. J. Basic aluminum chloride. 550,093, Oct. 23; Serial No. 597,293. Class 6.

Reichhold Chemicals, Inc., Detroit, Mich. Soya bean glue. 549,987, Oct. 23; Serial No. 604,447, published July 17, 1951. Class 5.

Rodman, S., Sons, New York, N. Y. Watches, clocks, and parts thereof, etc. 549,978, Oct. 23; Serial No. 604,232, published July 17, 1951. Class 27.

Roosevelt Mills, Inc., Manchester, Conn., and New York, N. Y. Polo shirts, and sweaters. 549,903, Oct. 23; Serial No. 594,661, published July 3, 1951. Class 39.

Rose & Park, New York, N. Y. Persian lamb fur coats, Persian lamb skins, etc. 549,945, Oct. 23; Serial No. 600,853, published July 3, 1951. Class 39.

Rosedale Knitting Company: *See*—
Rosedale Knitting Co. Inc.

Rosedale Knitting Co. Inc. to Rosedale Knitting Company, Laureldale, Pa. Hosiery. 288,623, renewed Nov. 3, 1951. O. G. Oct. 23. Class 39.

Rowles, Harwood S., Johnstown, N. Y. Sporting gloves. 550,094, Oct. 23; Serial No. 598,323. Class 22.

Royal Toys Mfg. Co., Long Island City, N. Y. Toys. 549,937, Oct. 23; Serial No. 600,083, published July 10, 1951. Class 22.

Sahlein, J. M., Music Company: *See*—.
Sahlein, Jules M.

Sahlein, Jules M., doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif. Ukuleles, banjo ukuleles, tenor guitars, etc. 549,883, Oct. 23. Serial No. 591,958, published July 24, 1951. Class 36.

Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 549,866, Oct. 23; Serial No. 589,872, published July 24, 1951. Class 39.

Sanson Hosiery Mills, Inc., Philadelphia, Pa. Women's hosiery. 549,953, Oct. 23; Serial No. 602,000, published July 10, 1951. Class 39.

Sativa Corporation, New York, N. Y. Yarns. 549,900, Oct. 23; Serial No. 593,689, published July 31, 1951. Class 43.

Schargel, Arthur M., Somerville, N. J. Children's topcoats, overcoats, raincoats etc. 549,930, Oct. 23; Serial No. 599,457, published July 3, 1951. Class 39.

Schaub, Fred H., Engineering Co., Inc., Chicago, Ill. Control system. 549,746, Oct. 23; Serial No. 533,057, published July 31, 1951. Class 34.

Scott, Foresman and Company, Chicago, Ill. Children's educational books and pamphlets. 550,034–5, Oct. 23; Serial Nos. 606,332–3, published July 24, 1951. Class 38.

Seamprufe Incorporated: *See*—
Aronson-Caplin Company, Inc.

Searle, G. D., & Co., Chicago, Ill. Publications. 549,920, Oct. 23; Serial No. 597,547, published July 24, 1951. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Automobile tires. 549,796, Oct. 23; Serial No. 573,688, published July 24, 1951. Class 35.

See Fabriks Aktiebolag, Sandviken, Sweden. Sporting articles. 549,813, Oct. 23; Serial No. 577,992, published July 10, 1951. Class 22.

Seneca Falls Machine Company, Seneca Falls, N. Y. Lathes. 549,771, Oct. 23; Serial No. 554,263, published July 10, 1951. Class 23.

Sexauer, J. A., Mfg. Co., Inc., New York, N. Y. Seat cover and door stop cushions, screws, nuts, etc. 289,929, renewed Dec. 15, 1951. O. G. Oct. 23. Class 13.

Shanhouse, W., Sons, Inc., Rockford, Ill. Men's and boys' jackets and coats. 444,590, Oct. 23; Serial No. 525,034, published July 24, 1951. Class 39.

Sheldon Electric Co. Division of Allied Electric Products, Inc., Irvington, N. J. Television tubes. 549,864, Oct. 23; Serial No. 589,474, published July 24, 1951. Class 21.

Sherman, Sol, New York, N. Y. Ties. 549,936, Oct. 23; Serial No. 599,983, published July 3, 1951. Class 39.

Shillito, John, Company, The: *See*—
Federated Department Stores, Inc.

Shillito, John, Company Division: *See*—
Federated Department Stores, Inc.

Shine-Boy Manufacturing Company: *See*—
Persinger, William G.

Shirtcraft Company, Inc., The: *See*—
Hall Hartwell & Co.

Shoe Corporation of America, Columbus, Ohio. Men's, women's and children's shoes. 549,793, Oct. 23; Serial No. 571,669, published July 17, 1951. Class 39.

Shrack, Philip O., doing business as The Beam Association of America, Atchison, Kans. Hostelry service. 550,062, Oct. 23; Serial No. 581,909, published July 31, 1951. Class 100.

Siegel, Henry I., Co. Inc., New York, N. Y., and Dickson, Tenn. Men's, boys' and juniors' outer shirts, trousers, slacks, etc. 549,951, Oct. 23; Serial No. 601,952, published July 24, 1951. Class 39.

Simons & French Company, Incorporated: *See*—
Simons & French Company, Inc.

Simons & French Company, Inc., New York, N. Y., to Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y. Fresh vegetables, fresh deciduous fruits, fresh citrus fruits. 289,071, renewed Nov. 17, 1951. O. G. Oct. 23. Class 46.

Simowitz, S & J, Inc., Augusta, Ga. Ladies' hosiery. 549,826, Oct. 23; Serial No. 581,298, published July 10, 1951. Class 39.

Sipe, James B., and Company, Pittsburgh, Pa. Mixed and paste paint. 549,744, Oct. 23; Serial No. 530,122, published Aug. 10, 1948. Class 16.

Sklenar, Wenzeslaw F., Berwyn, Ill. Gas, oil or coke-fired metallurgical furnaces. 549,752, Oct. 23; Serial No. 544,625, published July 17, 1951. Class 34.

Skoog Engineering Company: *See*—
Skoog, Per F.

Skoog, Per F., doing business as Skoog Engineering Company, Olympia, Wash. Machinery for conveying, stacking, patching, etc., lumber. 549,737, Oct. 23; Serial No. 506,446, published June 26, 1951. Class 23.

Sleetex Company, Inc., The, New York, N. Y. Windshield wiper blades and adapters. 549,856, Oct. 23; Serial No. 588,110, published Dec. 12, 1950. Class 19.

Slido-O-Vent Products Co.: *See*—
Slide-O-Vent Products Company.

Slide-O-Vent Products Company, also known as Slide-O-Vent Products Co., Philadelphia, Pa. Auxiliary window frames, storm sash, and window screens. 444,383, Oct. 23; Serial No. 475,818, published July 24, 1951. Class 12.

Slote & Klein, Inc., New York, N. Y., by Slote & Klein, Inc., Jersey City, N. J. Belts. 355,095, Mar. 8, 1938. Republished Oct. 23. Class 39.

Smith & Underwood, Royal Oak, Mich. Clip fasteners for securing cloth wrappings around surgical pads during sterilization. 549,815, Oct. 23; Serial No. 578,540, published July 10, 1951. Class 44.

Snyder, Edward G., doing business as Snyder's Super Seal, R. D. 2, Muhlenberg Township, Berks County, Pa. Roof coatings, waterproofing compounds, etc. 549,849, Oct. 23; Serial No. 586,197, published July 3, 1951. Class 12.

Snyder's Suner Seal: *See*—
Snyder, Edward G.

Société Alsacienne de Constructions Mécaniques, Société Anonyme, Mulhouse, Haut-Rhin, France. Carding and combing machines. 549,878, Oct. 23; Serial No. 591,650, published July 17, 1951. Class 23.

Society Brand Clothes, Inc., Chicago, Ill. Men's suits, topcoats and overcoats. 549,750, Oct. 23; Serial No. 537,368, published July 17, 1951. Class 39.

Socony-Vacuum Oil Company, Incorporated: *See*—
Standard Oil Co. of New York.

Soluol Chemical Co., Inc., Natick, R. I. Textile oils for dyeing and scouring. 550,023, Oct. 23; Serial No. 605,924, published July 31, 1951. Class 6.

Soluol Chemical Co., Inc., Natick, R. I. Textile finishing agents. 550,026, Oct. 23; Serial No. 605,925, published July 31, 1951. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Entraining agent to be mixed with Portland cement. 550,041, Oct. 23; Serial No. 607,051, published July 3, 1951. Class 12.

Southland Coffee Company, Atlanta, Ga. Coffee. 550,069, Oct. 23; Serial No. 514,855. Class 46.

Spencer-Adams Paint Company, Atlanta, Ga. Prepared paint, floor and porch paint enamels, varnish, etc. 549,915, Oct. 23; Serial No. 596,534, published July 31, 1951. Class 16.

Spra-Pak, Inc., assignor to The Spray Pack Products Company, Cleveland, Ohio. Ethyl chloride, use of which is for anesthesia. 444,584, Oct. 23; Serial No. 481,589, published July 31, 1951. Class 18.

Spray Pack Products Company, The, assignee: *See*—
Spra-Pak, Inc.

Staley, A. E., Manufacturing Company, Decatur, Ill. Starch. 549,838, Oct. 23; Serial No. 583,713, published July 31, 1951. Class 6.

Stalfort, John C. & Sons, Inc., Baltimore, Md. Solid, powdered and liquid cleaners. 549,857, Oct. 23; Serial No. 588,402, published July 17, 1951. Class 52.

Stamford Chemical Company, Stamford, Conn. Dry cleaning detergents. 549,913, Oct. 23; Serial No. 596,206, published July 17, 1951. Class 52.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Hand and portable sprayers, pumps, squirt guns, etc. 284,575, renewed July 7, 1951. O. G. Oct. 23. Class 23.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 284,938, renewed July 14, 1951. O. G. Oct. 23. Class 18.

Stanco Incorporated, Wilmington, Del., and New York, N. Y., to Esso Standard Oil Company, New York, N. Y. Nose and throat spray. 285,041, renewed July 14, 1951. O. G. Oct. 23. Class 18.

Stanco Incorporated, Wilmington, Del., and New York, to Esso Standard Oil Company, New York, N. Y. Insecticides, deodorants, and disinfectants. 285,676, renewed Aug. 4, 1951. O. G. Oct. 23. Class 6.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Refined, semirefined, and unrefined oils. 285,285, renewed July 21, 1951. O. G. Oct. 23. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del., to Esso Standard Oil Company, New York, N. Y. Refined, semirefined, and unrefined oils. 285,293, renewed July 21. 1951. O. G. Oct. 23. Class 15.

Standard Oil Co. of New York, to Socony-Vacuum Oil Company, Incorporated, New York, N Y Lubricating-oils. 83,779–80, re-renewed Oct. 10, 1951. O. G. Oct. 23. Class 15.

Standard Oil Co. of New York, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating-oils. 83,786, re-renewed Oct. 10, 1951. O. G. Oct. 23. Class 15.

Standard Oil Co. of New York, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating-oils. 84,268, re-renewed Nov. 21, 1951. O. G. Oct. 23. Class 15.

Standard Seed Co.: *See*—
Berry Seed Company.

Standard Seed and Feed Company: *See*—
Berry Seed Company.

Starr Piano Company, The, to The Starr Piano Company, Inc., Richmond, Ind. Pianos. 83,371, re-renewed Sept. 5, 1951. O. G. Oct. 23. Class 36.

Starr Piano Company, Inc., The: *See*—
Starr Piano Company, The.

Stein, Hall & Company, Inc., New York, N. Y. Latex. 549,970, Oct. 23; Serial No. 603,556, published July 31, 1951. Class 1.

Stern Brothers, New York, N. Y. Liquid antiseptics and disinfectants, bath salts, etc. 289,638, renewed Dec. 1, 1951. O. G. Oct. 23. Class 51.

Stevenson, Robert B., Framingham Center, Mass. Women's and men's wear. 549,867, Oct. 23; Serial No. 589,875, published Sept. 5, 1950. Class 39.

Stewart Citrus Association, to Upland Citrus Association, Upland, Calif. Oranges and lemons. 84,547, re-renewed Dec. 19, 1951. O. G. Oct. 23. Class 46.

Stream Line Products, Inc., Meadows, Ill. Artificial fishing lures. 549,877, Oct. 23; Serial No. 591,525, published July 10, 1951. Class 22.

Suich, D. Mary, doing business as Molly Enterprises, Altadena, Calif. Holder for baby nursing bottle. 549,962, Oct. 23; Serial No. 602,576, published July 17, 1951. Class 44.

Supreme Feed Mills, Glasgow, Ky. Livestock feed. 549,982, Oct. 23; Serial No. 604,330, published July 10, 1951. Class 46.

Supreme Sales Co., Los Angeles, Calif. Containers for holding playing-cards. 549,875, Oct. 23; Serial No. 591,206, published July 10, 1951. Class 22.

Surface Combustion Corporation, Toledo, Ohio. Aircraft heaters. 549,923, Oct. 23; Serial No. 598,220, published July 3, 1951. Class 19.

Swann-Abram Hat Company, Inc., Louisville, Ky. Men's hats and caps. 549,901, Oct. 23; Serial No. 594,153, published Mar. 20, 1951. Class 39.

Tallmadge, Louis H., doing business as Louis H. Tallmadge Company, Providence, R. I. Thread. 549,777, Oct. 23; Serial No. 558,423, published July 31, 1951. Class 43.

Tallmadge, Louis H., Company: *See*—
Tallmadge, Louis H.

Terrytoons, Inc., New Rochelle, N. Y. Comic books. 549,991, Oct. 23; Serial No. 604,553, published July 24, 1951. Class 38.

Texas Acidisers, Inc., Seguin, Tex. Chemical solution. 549,926, Oct. 23; Serial No. 599,281, published July 31, 1951. Class 6.

Thayer, Inc., Gardner, Mass. Doll carriages. 549,972, Oct. 23; Serial No. 603,705, published July 3, 1951. Class 22.

Thoroughbred Racing Protective Bureau, Inc., New York, N. Y. Thoroughbred horses. 550,065, Oct. 23; Serial No. 595,693, published July 3, 1951. Class 1.

Timken Roller Bearing Company, The, Canton, Ohio. Lightweight reciprocating metal parts. 549,784, Oct. 23; Serial No. 563,829, published July 17, 1951. Class 23.

Towns, Hiram S., Fort Wayne, Ind. Building construction material. 549,821, Oct. 23; Serial No. 580,383, published July 3, 1951. Class 12.

Traub's, H., Sons, Inc., Savannah, Ga. Rice. 549,801–02, Oct. 23; Serial No. 575,947–8, published Oct. 31, 1950. Class 46.

Trubenizing Process Corporation, New York, N. Y. Men's outer shirts and collars. 549,941–2, Oct. 23; Serial No. 600,742–3, published July 3, 1951. Class 39.

True Form Corset Company, Inc., Philadelphia, Pa. Girdles and corsets. 549,914, Oct. 23; Serial No. 596,310, published July 24, 1951. Class 39.

Tucker, Josie P., trading and doing business as Virginia Jo's, Ashland, Ky. Candy. 550,087, Oct. 23; Serial No. 592,289. Class 46.

Uddo & Taormina Company: *See*—
Bologna, A., & Company.
Uddo Taormina Corp.

Uddo & Taormina Company, New York, N. Y. Canned olive oil. 397,558, Sept. 8, 1942. Republished Oct. 23. Class 46.

Uddo Taormina Corp., Brooklyn and New York, N. Y., by Uddo & Taormina Company, New York, N. Y. Canned peas. 393,073, Jan. 27, 1942. Republished Oct. 23. Class 46.

Uddo Taormina Corp., Brooklyn and New York, N. Y., assignor to Uddo & Taormina Company, by Uddo & Taormina Company, New York, N. Y. Olive oil. 397,876, Sept. 29, 1952. Republished Oct. 23. Class 46.

United Dairy Company, The, Barnesville, Ohio. Canned evaporated milk. 549,740, Oct. 23; Serial No. 518,114, published July 31, 1951. Class 46.

United Features Syndicate, Inc., New York, N. Y. Comic drawings. 550,036, Oct. 23; Serial No. 606,344, published July 24, 1951. Class 38.

U. S. Chemical & Supply Co., Kansas City, Mo. Liquid preparation for sealing gaskets. 549,836, Oct. 23; Serial No. 582,868, published July 17, 1951. Class 5.

U. S. Die Casting and Manufacturing Company, doing business under the fictitious name and style of Production Engineering Company, Berkeley, Calif. Foot operated propelling device. 550,011, Oct. 23; Serial No. 605,337, published July 10, 1951. Class 19.

U. S. Line Company: *See*—
United States Whip Company.

United States Whip Company (doing business as U. S. Line Company), Westfield, Mass. Fishing lines. 327,014, Aug. 13, 1935. Republished Oct. 23. Class 22.

United States Whip Company (doing business as U. S. Line Company), Westfield, Mass. Fishing lines. 327,016, Aug. 13, 1935. Republished Oct. 23. Class 22.

United States Whip Company (doing business as U. S. Line Company), Westfield, Mass. Fishing lines. 329,196, Oct. 22, 1935. Republished Oct. 23. Class 22.

Upland Citrus Association: *See*—
Stewart Citrus Association.

Valier & Spies Milling Company: *See*—
Flour Mills of America, Inc.

Vanguard Corporation, Springfield, Mass. Inflatable toy figures. 549,842, Oct. 23; Serial No. 584,473, published July 3, 1951. Class 22.
Vernon-Benshoff Company, Pittsburgh, Pa. Plastic fabric for reinforcing a fabric material for fabrication into orthopedic appliances. 549,985, Oct. 23; Serial No. 604,405, published July 17, 1951. Class 44.
Vernon-Benshoff Company, Pittsburgh, Pa. Quick-setting molding material. 549,986, Oct. 23; Serial No. 604,407, published July 17, 1951. Class 44.
Veterinary Magazine Corporation, Kansas City, Mo. Periodical. 284,802, July 7, 1931. Republished Oct. 23. Class 38.
Vetter Manufacturing Company, Stevens Point, Wis. Preassembled windows. 549,871, Oct. 23; Serial No. 590,470, published July 3, 1951. Class 12.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 549,881, Oct. 23; Serial No. 591,873, published July 24, 1951. Class 35.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 549,882, Oct. 23; Serial No. 591,899, published July 24, 1951. Class 35.
Virginia Jo's: *See*—
Tucker, Josie P.
W & W Auto Finishes, Inc., Boston, Mass. Resinous plastic coating. 550,068, Oct. 23; Serial No. 491,938. Class 16.
Wading River Farms, Inc., Westhampton, N. Y. Frozen fried chicken. 550,096, Oct. 23; Serial No. 599,406. Class 46.
Wall-Rogalsky Milling Company, The, McPherson, Kans. Plain and self-rising hard wheat flour. 549,820, Oct. 23; Serial No. 580,270, published July 3, 1951. Class 46.
Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Sterling silver hollowware. 549,954, Oct. 23; Serial No. 602,008, published July 17, 1951. Class 28.
Wall Away Co., Culver City, assignor to Donald M. Breslow, doing business as Curtition Co. Los Angeles, Calif. Folding wall partition. 549,869, Oct. 23; Serial No. 589,998, published June 12, 1951. Class 12.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods, pillow cases and sheets. 289,408, renewed Nov. 24, 1951. O. G. Oct. 23. Class 42.
Wander Company, The, Chicago, Ill. Canned cream. 550,092, Oct. 23; Serial No. 596,370. Class 46.
Wappat, Fred W., Inc., Mayville, N. Y. Electric hand saws. 549,850, Oct. 23; Serial No. 586,505, published July 24, 1951. Class 21.
Ward, Samuel, Company, to Samuel Ward Manufacturing Company, Boston, Mass. Writing papers and envelopes. 62,540–1, re-renewed July 4, 1951. O. G. Oct. 23. Class 37.
Ward, Samuel, Manufacturing Company: *See*—
Ward, Samuel, Company.
Warren Belting Company, Inc., Worcester, Mass. Power transmission belting. 549,897, Oct. 23; Serial No. 593,639, published July 24, 1951. Class 35.
Wasco Flashing Co., Cambridge, Mass. Skylight units. 550,045, Oct. 23; Serial No. 607,464, published July 10, 1951. Class 12.
Washington Sales, Inc.: *See*—
Nuchief Sales, Inc.
Watchmaker's Material Association, Chicago, Ill. Watch and clock repair parts. 549,912, Oct. 23; Serial No. 596,134, published July 24, 1951. Class 27.
Weed Destroyer Co., Inc., Aberdeen, to Newville F. Rea, Sumner, Wash. Liquid used for destroying weeds. 284,678, renewed July 7, 1951. O. G. Oct. 23. Class 6.
Weed Destroyer Co., Inc., Aberdeen, to Newville F. Rea, Sumner, Wash. Liquid for destroying weeds. 284,773, renewed July 7, 1951. O. G. Oct. 23. Class 6.
Weinreich Brothers Company, New York, N. Y. Jewelry clips. 549,890, Oct. 23; Serial No. 592,959, published July 17, 1951. Class 28.
Weinreich Brothers Company, New York, N. Y. Jewelry findings. 549,927, Oct. 23; Serial No. 599,294, published July 17, 1951. Class 28.
Wells Lamont Corporation, Chicago, Ill. Work gloves. 549,789, Oct. 23; Serial No. 568,138, published July 24, 1951. Class 39.
Wen-Mac Corporation, assignee: *See*—
Mack Brothers Manufacturing Company.
Werk, M., Company, The, St. Bernard, Ohio. Soap. 549,853, Oct. 23; Serial No. 587,372, published July 17, 1951. Class 52.
West Disinfecting Company, Long Island City, N. Y. Cleaning, disinfecting and deodorizing preparation. 549,861, Oct. 23; Serial No. 589,288, published July 31, 1951. Class 52.
Whalen Chemical Company, Hamilton, Ill. Disinfectant. 550,015, Oct. 23; Serial No. 605,384, published July 24, 1951. Class 6.
Wichita Flour Mills Company, doing business as The Willis Norton Co., Wichita, Kans. Wheat-flour. 550,075, Oct. 23; Serial No. 549,354. Class 46.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Tubular sheathed embedded-resistor electric heating units and parts thereof. 549,938, Oct. 23; Serial No. 600,098, published July 24, 1951. Class 21.
Willis Norton Co., The: *See*—
Wichita Flour Mills Company.
Wood & Selick Sweetened Coconut Company, Inc., New York, N. Y. Sweetened coconut. 549,837, Oct. 23; Serial No. 583,307, published July 31, 1951. Class 46.
Wright Chemical Corporation, Chicago, Ill. Chemical composition. 549,844–5, Oct. 23; Serial No. 585,202–03, published July 31, 1951. Class 6.
Wright Chemical Corporation, Chicago, Ill. Chemical composition. 549,846, Oct. 23; Serial No. 585,208, published July 31, 1951. Class 6.
Wright & McGill Co., Denver, Colo. Fishing rods. 549,979, Oct. 23; Serial No. 604,242, published July 3, 1951. Class 22.
Yoder Manufacturing Company, Los Angeles, Calif. Manually operated pneumatic toy horns. 549,794, Oct. 23; Serial No. 572,285, published July 10, 1951. Class 22.
Ziff-Davis Publishing Company, Chicago, Ill. Magazine. 549,967, Oct. 23; Serial No. 603,173, published July 24, 1951. Class 38.
Zwecker & Lehr, Inc., New York, by Delca Fish Preservators, Inc., Brooklyn, N. Y. Goffel-bitters, kind of spiced herring, etc. 337,122, July 28, 1936. Republished Oct. 23. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clays. Ferro Enamel Corporation. 549,958–9, Oct. 23; Serial Nos. 602,385–6, published July 31, 1951.
Clays. Ferro Enamel Corporation. 549,960, Oct. 23; Serial No. 602,387, published July 17, 1951.
Dairy cattle. O. P. Alford, III. 549,835, Oct. 23; Serial No. 582,670, published July 17, 1951.
Latex. Stein, Hall & Company, Inc. 549,970, Oct. 23; Serial No. 603,556, published July 31, 1951.
Leather. Bolton Leathers Limited. 549,974, Oct. 23; Serial No. 604,067, published July 17, 1951.
Leather, Processed, and sheet leather. Genuine Leather Processing Corp. 550,012–13, Oct. 23; Serial Nos. 605,358–60, published July 17, 1951.
Seed, Alfalfa. California Farm Bureau Federation. 549,858, Oct. 23; Serial No. 588,559, published July 17, 1951.
Seeds, Farm, vegetable and flower. Berry Seed Company. 549,966, Oct. 23; Serial No. 603,515, published July 31, 1951.
Seeds, Flower and vegetable. All-America Selections. 550,094, Oct. 23; Serial No. 584,259, published July 3, 1951.
Sheets of composite fabrics. Polyplastex United, Inc. 549,782, Oct. 23; Serial No. 563,214, published July 17, 1951.
Thoroughbred horses. Thoroughbred Racing Protective Bureau, Inc. 550,065, Oct. 23; Serial No. 595,693, published July 3, 1951.

CLASS 2

Bags, Fabric laundry. M. L. Duskin. 550,079, Oct. 23; Serial No. 569,123.
Container sets. Bridgeport Moulded Products, Inc. 550,088, Oct. 23; Serial No. 594,192.
Tanks, Settling, and receiving tanks. Cochrane Corporation. 549,873, Oct. 23; Serial No. 607,375, published May 8, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)

CLASS 3

Billfolds, wallets, key cases, etc. Mercantile Stores Company, Inc. 549,825, Oct. 23; Serial No. 580,895, published July 31, 1951.

CLASS 4

Polishing sheet. The Munising Paper Company. 549,874, Oct. 23; Serial No. 590,908, published July 31, 1951.
Polishing wax, Floor, furniture and automobile. The Cussins and Fearn Company. 549,769, Oct. 23; Serial No. 553,177, published July 31, 1951.

CLASS 5

Cement, Belt. Holyoke Belting Company. 549,748, Oct. 23; Serial No. 534,285, published Feb. 13, 1951.
Glue, Soya bean. Reichhold Chemicals, Inc. 549,987, Oct. 23; Serial No. 604,447, published July 17, 1951.
Liquid preparation for sealing gaskets. U S Chemical & Supply Co. 549,836, Oct. 23; Serial No. 582,868, published July 17, 1951.

CLASS 6

Air deodorant. The Interstate Sanitation Co., Inc. 550,014, Oct. 23; Serial No. 605,361, published July 24, 1951.

Air deodorizing liquid. Nelson Ideas, Inc. 550,006, Oct. 23; Serial No. 605,114, published July 24, 1951.
Alkali metal salt of alginic acid, Semi-refined. Kelco Company. 550,009, Oct. 23; Serial No. 605,310, published July 24, 1951.
Anti-freeze liquid. Central States Oil Co. 550,031, Oct. 23; Serial No. 606,207, published Aug. 7, 1951.
Anti-freeze solution. Lac Chemicals, Inc. 550,027, Oct. 23; Serial No. 605,960, published Aug. 7, 1951.
Basic aluminum chloride. Reheis Company, Inc. 550,093, Oct. 23; Serial No. 597,293.
Castor oil used for industrial purposes. The Baker Castor Oil Company. 549,851, Oct. 23; Serial No. 586,563, published July 31, 1951.
Catalyst for the treatment of waste liquors. Nelson Chemicals Corporation. 549,998, Oct. 23; Serial No. 604,797, published July 24, 1951.
Chemical colors. Holland Color and Chemical Company. 550,018, Oct. 23; Serial No. 605,481, published July 31, 1951.
Chemical composition. Wright Chemical Corporation. 549,844–5, Oct. 23; Serial Nos. 585,202–03, published July 31, 1951.
Chemical composition. Wright Chemical Corporation. 549,846, Oct. 23; Serial No. 585,208, published July 31, 1951.
Chemical compound. E. F. Houghton & Co. 84,233–4, re-renewed Nov. 21, 1951. O. G. Oct. 23.
Chemical solution. Texas Acidisers, Inc. 549,926, Oct. 23; Serial No. 599,281, published July 31, 1951.
Chemicals and chemical compositions. Allis-Chalmers Manufacturing Company. 550,001, Oct. 23; Serial No. 604,948, published July 31, 1951.
Compositions containing metal naphthenates. Osmose Wood Preserving Co. of America, Inc. 549,872, Oct. 23; Serial No. 590,754, published July 31, 1951.
Compound for treating the formation and bore hole of producing wells, etc. 549,840, Oct. 23; Serial No. 583,734, published July 31, 1951.
Disinfectant. Whalen Chemical Company. 550,015, Oct. 23; Serial No. 605,384, published July 24, 1951.
Dissolving agent. Diamond Alkali Company. 550,019, Oct. 23; Serial No. 605,511, published July 31, 1951.
Fatty acids of oiticica oil. Brasil Oiticica, Inc. 549,988, Oct. 23; Serial No. 604,463, published July 24, 1951.
Finishing agents for textiles. The Procter & Gamble Company. 550,007, Oct. 23; Serial No. 605,173, published July 24, 1951.
Hydrogenated oiticica oil. Brasil Oiticica, Inc. 549,989, Oct. 23; Serial No. 604,464, published July 24, 1951.
Inorganic cobalt compounds, plastic stabilisers and fungicides. Ferro Enamel Corporation. 549,848, Oct. 23; Serial No. 585,520, published July 31, 1951.
Insecticidal liquid. McLaughlin Gormley King Company. 549,899, Oct. 23; Serial No. 593,675, published July 31, 1951.
Insecticides. C. R. Parsons. 549,961, Oct. 23; Serial No. 602,523, published July 24, 1951.
Insecticides and disinfectants. The Gerson-Stewart Corporation Company. 549,992, Oct. 23; Serial No. 604,577, published July 31, 1951.
Insecticides, deodorants, and disinfectants. Stanco Incorporated. 285,676, renewed Aug. 4, 1951. O. G. Oct. 23.
Liquid dispersant and emulsifying agent. Hood Chemical Co., Inc. 550,022, Oct. 23; Serial No. 605,791, published July 31, 1951.
Liquid for destroying weeds. Weed Destroyer Co., Inc. 284,773, renewed July 7, 1951. O. G. Oct. 23.
Liquid used for destroying weeds. Weed Destroyer Co., Inc. 284,678, renewed July 7, 1951. O. G. Oct. 23.
Metal carbonyls. General Aniline & Film Corporation. 549,948, Oct. 23; Serial No. 601,722, published July 31, 1951.
Mothproofing and moth repellent agents. Geigy Company, Inc. 444,586, Oct. 23; Serial No. 504,971, published Mar. 18, 1947.
Nitro carbo nitrate. Hercules Powder Company. 550,004, Oct. 23; Serial No. 605,097, published July 24, 1951.
Permanent mounting fluid. E. F. Mahady Company. 549,830, Oct. 23; Serial No. 581,723, published July 24, 1951.
Phosphatide or lecithin and compositions containing same. American Lecithin Corporation. 287,385, renewed Sept. 22, 1951. O. G. Oct. 23.
Photographic chemical. Chroma-Graph, Inc. 549,976–7, Oct. 23; Serial Nos. 604,190–1, published July 31, 1951.
Photographic developers. General Aniline & Film Corporation. 550,020, Oct. 23; Serial No. 605,514, published July 31, 1951.
Preservatives for auto bodies and chromium finishes. Phillips Products. 550,021, Oct. 23; Serial No. 605,526, published July 31, 1951.
Starch. A. E. Staley Manufacturing Company. 549,838, Oct. 23; Serial No. 583,713, published July 31, 1951.
Textile finishing agents. Soluol Chemical Co., Inc. 550,026, Oct. 23; Serial No. 605,925, published July 31, 1951.
Textile oils for dyeing and scouring. Soluol Chemical Co., Inc. 550,025, Oct. 23; Serial No. 605,924, published July 31, 1951.
Water repellents and stain repellents. Alrose Chemical Company. 550,017, Oct. 23; Serial No. 605,394, published July 24, 1951.

CLASS 7

Seine-twines. The Lees Manufacturing Co. 84,645, re-renewed Dec. 26, 1951. O. G. Oct. 23.
Twine. International Harvester Company. 549,994, Oct. 23; Serial No. 604,607, published July 31, 1951.

CLASS 9

Shotgun shells and air rifle shot. Federal Cartridge Corporation. 549,896, Oct. 23; Serial No. 593,478, published Sept. 12, 1950.

CLASS 12

Construction material, Building. H. S. Towns. 549,821, Oct. 23; Serial No. 580,383, published July 3, 1951.
Entraining agent to be mixed with Portland cement. L. Sonneborn Sons, Inc. 550,041, Oct. 23; Serial No. 607,051, published July 3, 1951.
Insulating cement, Finishing. Baldwin-Hill Company. 549,916, Oct. 23; Serial No. 596,637, published July 3, 1951.
Liquid to be added to cement or mortar. Lindgren Company, Inc. 549,956, Oct. 23; Serial No. 602,323, published July 3, 1951.
Pipe dope, patching plaster and roofing cement. Pinol Manufacturing Co. Inc. 549,880, Oct. 23; Serial No. 591,861, published July 3, 1951.
Roof coatings, waterproofing compounds, etc. E. G. Snyder. 549,849, Oct. 23; Serial No. 586,197, published July 3, 1951.
Skylight units. Wasco Flashing Co. 550,045, Oct. 23; Serial No. 607,464, published July 10, 1951.
Wall partition, Folding. Wall Away Co. 549,869, Oct. 23; Serial No. 589,998, published June 12, 1951.
Window frames, Auxiliary, storm sash, and window screens. Slide-O-Vent Products Company. 444,583, Oct. 23; Serial No. 475,818, published July 24, 1951.
Window screens, Rolling and stationary. The Columbia Mills, Inc. 549,955, Oct. 23; Serial No. 602,084, published July 3, 1951.
Windows, Preassembled. Vetter Manufacturing Company. 549,871, Oct. 23; Serial No. 590,470, published July 3, 1951.

CLASS 13

Base metal hollowware. National Silver Company. 549,906, Oct. 23; Serial No. 595,674, published June 12, 1951. (Consolidated certificate, Classes 13 and 23.)
Belt-fasteners, Metallic. Flexible Steel Lacing Company. 84,224, re-renewed Nov. 21, 1951. O. G. Oct. 23.
Belt-lacing, Steel. Flexible Steel Lacing Company. 84,225, re-renewed Nov. 21, 1951. O. G. Oct. 23.
Bolts, nuts, screws, etc. Buffalo Bolt Company. 290,288, renewed Dec. 29, 1951. O. G. Oct. 23.
Multiport, back-pressure, flow, boiler blow-off, drainer, float and relief valves, etc. Cochrane Corporation. 549,873, Oct. 23; Serial No. 590,883, published Apr. 24, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Seat cover and door stop cushions, screws, nuts, etc. J. A. Sexauer Mfg. Co., Inc. 289,929, renewed Dec. 15, 1951. O. G. Oct. 23.
Smooth stem dowel pin. E. F. Peterson. 550,101, Oct. 23; Serial No. 608,512.
Watering and fertilising devices, Plant. Ross Daniels, Inc. 550,070, Oct. 23; Serial No. 515,821.

CLASS 14

Steel wire, Cold rolled and drawn, oil hardened and tempered steel wire, etc. Johnson Steel & Wire Company, Inc. 549,758, Oct. 23; Serial No. 546,910, published Apr. 25, 1950.

CLASS 15

Lubricating-oils. Standard Oil Co. of New York. 83,779–80, re-renewed Oct. 10, 1951. O. G. Oct. 23.
Lubricating-oils. Standard Oil Co. of New York. 83,786, re-renewed Oct. 10, 1951. O. G. Oct. 23.
Lubricating-oils. Standard Oil Co. of New York. 84,268, re-renewed Nov. 21, 1951. O. G. Oct. 23.
Oils, Refined, semirefined, and unrefined. Standard Oil Company of New Jersey. 285,285, renewed July 21, 1951. O. G. Oct. 23.
Oils, Refined, semirefined, and unrefined. Standard Oil Company of New Jersey. 285,293, renewed July 21, 1951. O. G. Oct. 23.

CLASS 16

Lacquer, Street marking. Great Lakes Varnish Works, Inc. 549,841, Oct. 23; Serial No. 583,872, published July 31, 1951.
Paint, Automobile. The Arco Company. 549,757, Oct. 23; Serial No. 546,749, published July 17, 1951.
Paint coatings, Colloidal liquid metallic. E. C. Pohlman. 549,854, Oct. 23; Serial No. 587,560, published July 31, 1951.
Paint, Enamel. Alston-Lucas Paint Co. 549,767, Oct. 23; Serial No. 552,729, published July 31, 1951.
Paint, Interior flat wall. Chemical Plants Engineering Company. 549,822, Oct. 23; Serial No. 580,642, published July 31, 1951.

Paint, Mixed and paste. James B. Sipe and Company. 549,744, Oct. 23; Serial No. 530,122, published Aug. 10, 1948.
Paint, Prepared, floor and porch paint enamels, varnish, etc. Spencer-Adams Paint Company. 549,915, Oct. 23; Serial No. 596,534, published July 31, 1951.
Paint, Ready mixed oil, varnish, and enamel. Davis Paint Co. 444,589, Oct. 23; Serial No. 521,365, published July 31, 1951.
Paints. The P. D. George Company. 289,301, renewed Nov. 24, 1951. O. G. Oct. 23.
Paints, Exterior, high gloss enamel paints, etc. Frank W. Dunne Co. 549,884, Oct. 23; Serial No. 592,077, published July 31, 1951.
Paints, varnishes, paint enamels, etc. The Martin-Senour Company. 549,774, Oct. 23; Serial No. 555,282, published July 31, 1951.
Plastic coating, Resinous. W & W Auto Finishes, Inc. 550,068, Oct. 23; Serial No. 491,938.
Preparation for use in making whitewash. R. H. Catlett. 549,772, Oct. 23; Serial No. 534,474, published July 31, 1951.
Primer and sealer compositions. Interchemical Corporation. 549,964, Oct. 23; Serial No. 602,697, published July 31, 1951.
Stains, Ready mixed, varnish, and liquid paint and varnish removers. Her-Mar Industries, Inc. 549,806, Oct. 23; Serial No. 576,753, published July 31, 1951.

CLASS 18

Agent for neutralising gastric acidity, etc. Flint, Eaton and Company. 549,919, Oct. 23; Serial No. 597,262, published July 17, 1951.
Antacid agent. Flint, Eaton and Company. 549,918, Oct. 23; Serial No. 597,260, published July 17, 1951.
Ethyl chloride, use of which is for anesthesia. Spra-Pak, Inc. 444,584, Oct. 23; Serial No. 481,589, published July 31, 1951.
Laxative preparation. J. U. Koree. 550,002, Oct. 23; Serial No. 605,040, published July 17, 1951.
Laxative tablets. Allied Laboratories, Inc. 550,024, Oct. 23; Serial No. 605,837, published July 17, 1951.
Medicinal preparation. The D & L Pharmacal Company. 290,213, renewed Dec. 22, 1951. O. G. Oct. 23.
Nasal drops. Alcon Laboratories, Inc. 550,046, Oct. 23; Serial No. 607,635, published July 17, 1951.
Nose and throat spray. Stanco Incorporated. 284,938, renewed July 14, 1951. O. G. Oct. 23.
Nose and throat spray. Stanco Incorporated. 285,041, renewed July 14, 1951. O. G. Oct. 23.
Sedative preparation. Harrison Products, Inc. 550,040, Oct. 23; Serial No. 606,974, published July 17, 1951.
Veterinary preparation. Allied Laboratories, Inc. 550,023, Oct. 23; Serial No. 605,835, published July 17, 1951.

CLASS 19

Aircraft heaters. Surface Combustion Corporation. 549,923, Oct. 23; Serial No. 598,220, published July 3, 1951.
Automobiles and automobile bodies. Hudson Motor Car Company. 549,983–4, Oct. 23; Serial Nos. 604,365–6, published June 26, 1951.
Brake shoes and linings therefor. General Motors Corporation. 549,843, Oct. 23; Serial No. 585,166, published June 26, 1951.
Buggy bodies, Baby. Hawley Products Company. 550,038, Oct. 23; Serial No. 606,609, published July 17, 1951.
Coolers for automobiles, Evaporative. G. A. McAlister, Jr. 549,935, Oct. 23; Serial No. 599,960, published June 26, 1951.
Foot operated propelling device. U. S. Die Casting and Manufacturing Company. 550,011, Oct. 23; Serial No. 605,387, published July 10, 1951.
Wheels for industrial trucks. Aerol Co. Inc. 550,016, Oct. 23; Serial No. 605,390, published July 17, 1951.
Windshield wiper blades and adapters. The Sleetex Company, Inc. 549,836, Oct. 23; Serial No. 588,110, published Dec. 12, 1950.

CLASS 20

Linoleum. Armstrong Cork Company. 550,003, Oct. 23; Serial No. 605,085, published July 24, 1951.
Linoleum floor coverings. The Paraffine Companies, Inc. 549,776, Oct. 23; Serial No. 558,061, published May 15, 1951.

CLASS 21

Batteries, Dry cell, dry cell batteries for flashlights, etc. Ray-O-Vac Company. 550,048, Oct. 23; Serial No. 607,721, published July 31, 1951.
Dictating machines, Electrically operated. Permoflux Corporation. 550,054, Oct. 23; Serial No. 608,377, published July 24, 1951.
Dishwashers, Electric. The Hobart Manufacturing Company. 549,810, Oct. 23; Serial No. 577,791, published July 24, 1951.
Electric household appliances. May Lorder Studios, Inc. 549,688, Oct. 23; Serial No. 592,501, published July 24, 1951.
Electrical apparatus. Arma Corporation. 549,839, Oct. 23; Serial No. 583,725, published July 24, 1951.
Electrical apparatus. John Meck Industries, Inc. 550,097, Oct. 23; Serial No. 599,715.
Electrical apparatus. Olson Radio Warehouse, Inc. 550,042, Oct. 23; Serial No. 607,136, published July 31, 1951.
Electrical appliances. McGraw Electric Company. 550,056, Oct. 23; Serial No. 609,370, published July 24, 1951.
Electrical vaporizer. Miracold. 549,832, Oct. 23; Serial No. 582,049, published Aug. 15, 1950.
Electromechanical instrument components. Arma Corporation. 549,894, Oct. 23; Serial No. 593,210, published July 31, 1951.
Elevators, Electric, and parts therefor. General Elevator Company, Inc. 550,055, Oct. 23; Serial No. 608,603, published July 31, 1951.
Fire alarm signal, Electrically operated audible. The Firewake Corporation. 549,917, Oct. 23; Serial No. 596,906, published July 24, 1951.
Garbage disposal units, Electric. Given Manufacturing Company. 549,766, Oct. 23; Serial No. 552,649, published Dec. 6, 1949.
Heating units and parts thereof, Tubular sheathed embedded-resistor electric. Edwin L. Wiegand Company. 549,938, Oct. 23; Serial No. 600,098, published July 24, 1951.
Insulating material for electric wires, etc. William Brand & Co. 549,905, Oct. 23; Serial No. 595,303, published July 24, 1951.
Liquid level controls. Jo-Bell Products, Inc. 549,829, Oct. 23; Serial No. 581,596, published July 31, 1951.
Locomotives, Electric. Nydqvist & Holm Aktiebolag. 549,929, Oct. 23; Serial No. 599,388, published July 31, 1951.
Mixer, Electric food. Chicago Electric Manufacturing Company. 549,764, Oct. 23; Serial No. 551,530, published July 24, 1951.
Mixers, Electric beverage. Landers, Frary & Clark. 550,050, Oct. 23; Serial No. 607,861, published July 31, 1951.
Plugs, Convertible electric attachment, and plug caps. Harvey Hubbell Incorporated. 550,032, Oct. 23; Serial No. 606,217, published July 24, 1951.
Radio-phonographs, Combination. Michaels & Co., Inc. 550,051, Oct. 23; Serial No. 607,863, published July 24, 1951.
Radio receiving sets and for operator controlled selector devices therefor. General Motors Corporation. 549,885, Oct. 23; Serial No. 592,203, published Nov. 7, 1950.
Radio receiving sets and parts thereof, vacuum or electric tubes, etc. Admiral Corporation. 549,908, Oct. 23; Serial No. 595,811, published July 31, 1951.
Saws, Electric hand. Fred W. Wappat, Inc. 549,850, Oct. 23; Serial No. 586,505, published July 24, 1951.
Saws, Electrically driven, portable hand. R. Caluwaerts Co., Inc. 549,895, Oct. 23; Serial No. 593,218, published July 31, 1951.
Separator plates. Dewey and Almy Chemical Company. 550,058, Oct. 23; Serial No. 609,677, published July 31, 1951.
Switches, Electrical. Eastman Kodak Company. 549,876, Oct. 23; Serial No. 591,227, published July 31, 1951.
Transmitter head set assembly. W. D. Olson. 550,100, Oct. 23; Serial No. 608,510.
Tubes, Television. Sheldon Electric Co. 549,864, Oct. 23; Serial No. 589,474, published July 24, 1951.
Valves, Electric-driven, motor-operated multiport. Cochrane Corporation. 549,873, Oct. 23; Serial No. 607,376, published May 8, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Wires, Electrical. Essex Wire Corporation. 550,057, Oct. 23; Serial No. 609,439, published July 24, 1951.

CLASS 22

Bowling pins. R. F. Budinger. 549,946, Oct. 23; Serial No. 601,303, published July 10, 1951.
Containers for holding playing-cards. Supreme Sales Co. 549,875, Oct. 23; Serial No. 591,206, published July 10, 1951.
Doll carriages. Thayer, Inc. 549,972, Oct. 23; Serial No. 603,705, published July 3, 1951.
Exerciser seats, Resiliently supported children's. Educational Toy Co. 549,808, Oct. 23; Serial No. 577,664, published Oct. 3, 1950.
Exercisers, Stationary mechanical. Memphis Metal Mfg. Co., Inc. 550,044, Oct. 23; Serial No. 607,438, published July 10, 1951.
Fish bait, Pork rind. Luts Pork Bait Co. 549,780, Oct. 23; Serial No. 562,650, published July 3, 1951.
Fish stringers. P. J. Kubl. 549,902, Oct. 23; Serial No. 594,224, published July 10, 1951.
Fishing lines. United States Whip Company. 327,014, Aug. 13, 1935. Republished Oct. 23.
Fishing lines. United States Whip Company. 327,016, Aug. 13, 1935. Republished Oct. 23.
Fishing lines. United States Whip Company. 329,196, Oct. 22, 1935. Republished Oct. 23.
Fishing lures, Artificial. Stream Line Products, Inc. 549,877. Oct. 23; Serial No. 591,525, published July 10, 1951.
Fishing reels. Hurd Lock & Manufacturing Company. 549,735, Oct. 23; Serial No. 503,518, published July 3, 1951.
Fishing reels. Hurd Lock & Manufacturing Company. 549,751, Oct. 23; Serial No. 540,674, published July 3, 1951.

Fishing rods. Wright & McGill Co. 549,979, Oct. 23; Serial No. 604,242, published July 3, 1951.
Fishing tackle. L. M. Davis. 549,965, Oct. 23; Serial No. 602,893, published July 3, 1951.
Game. The Gangler-Gentry Company. 549,759, Oct. 23; Serial No. 547,440, published July 3, 1951.
Miniature railroads and miniature rail equipment. Miniature Train Co. 549,921, Oct. 23; Serial No. 597,773, published July 10, 1951.
Puzzles, games, etc., Children's. Playtime House. 444,585, Oct. 23; Serial No. 503,264, published July 24, 1951.
Sporting articles. See Fabriks Aktiebolag. 549,813, Oct. 23; Serial No. 577,992, published July 10, 1951.
Sporting gloves. H. S. Rowles. 550,004, Oct. 23; Serial No. 598,323.
Targets, Frangible. J. B. Nethercutt. 549,891, Oct. 23; Serial No. 593,010, published July 10, 1951.
Tops. Royal Tops Mfg. Co. 549,937, Oct. 23; Serial No. 600,083, published July 10, 1951.
Toy Airplanes, parts and accessories. Mack Brothers Manufacturing Company. 549,968, Oct. 23; Serial No. 603,372, published July 10, 1951.
Toy blocks, Wooden, block wagons, etc. The New England Box Company. 549,828, Oct. 23; Serial No. 581,435, published July 3, 1951.
Toy, Educational construction. Bux Brix Manufacturing Company. 549,879, Oct. 23; Serial No. 591,767, published July 10, 1951.
Toy figures, Inflatable. Vanguard Corporation. 549,842, Oct. 23; Serial No. 584,473, published July 3, 1951.
Toy gun. W. Boyd. 550,030, Oct. 23; Serial No. 606,125, published July 10, 1951.
Toy horns, Manually operated pneumatic. Yoder Manufacturing Company. 549,794, Oct. 23; Serial No. 572,285, published July 10, 1951.
Toy imitation leather holsters and toy imitation leather cuffs. W. Boyd. 550,029, Oct. 23; Serial No. 606,121, published July 10, 1951.
Toys, Babies'. Hoover Products, Inc. 549,791, Oct. 23; Serial No. 568,948, published July 18, 1950.
Wild game calls. A. J. Airhart. 549,910, Oct. 23; Serial No. 595,927, published July 10, 1951.

CLASS 23

Abrading, cleaning and finishing machines and parts thereof. Pangborn Corporation. 550,099, Oct. 23; Serial No. 601,558.
Auger bits, star drills, punches, etc. Red Devil Tools. 549,770, Oct. 23; Serial No. 554,155, published June 26, 1951.
Base metal table cutlery. National Silver Company. 549,906, Oct. 23; Serial No. 595,675, published Aug. 1,1950. (Consolidated certificate, Classes 13 and 23.)
Carding and combing machines. Société Alsacienne de Constructions Mécaniques, Société Anonyme. 549,878, Oct. 23; Serial No. 591,650, published July 17, 1951.
Collating and tipping machines. J. C. Mendes. 521,322, Feb. 21, 1950. Corrected. O. G. Oct. 23.
Grain mover, Blower type. Link Manufacturing Company, Inc. 549,761, Oct. 23; Serial No. 548,270, published July 3, 1951.
Internal-combustion-engine-powered outboard motors and parts. Outboard, Marine and Manufacturing Company. 549,756, Oct. 23; Serial No. 546,418, published July 17, 1951.
Lathes. Seneca Falls Machine Company. 549,771, Oct. 23; Serial No. 554,263, published July 10, 1951.
Lightweight reciprocating metal parts. The Timken Roller Bearing Company. 549,784, Oct. 23; Serial No. 563,829, published July 17, 1951.
Machinery for conveying, stacking, patching, etc., Lumber. P. F. Skoog. 549,737, Oct. 23; Serial No. 506,446, published June 26, 1951.
Miter boxes. The Patentry Company, Inc. 549,773, Oct. 23; Serial No. 555,071, published July 10, 1951.
Molds for use in building constructions. E. J. Miller. 281,621, renewed Mar. 24, 1951. O. G. Oct. 23.
Motor-driven multiport valves, water-treatment apparatus, etc. Cochrane Corporation. 549,873, Oct. 23; Serial No. 590,884, published May 1, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Motors, Outboard. Johnson Motor Company. 259,154, July 23, 1929. Corrected. O. G. Oct. 23.
Pumps. Novo Engine Company. 287,816, renewed Oct. 13, 1951. O. G. Oct. 23.
Sanding devices, Manually operated. Behr-Manning Corporation. 549,814. Oct. 23; Serial No. 578,433, published June 19, 1951.
Sprayers, pumps, squirt guns, etc., Hand and portable. Stanco Incorporated. 284,575, renewed July 7, 1951. O. G. Oct. 23.
Switches, Rail. Ramapo Ajax Corporation. 288,568, renewed Nov. 3, 1951. O. G. Oct. 23.
Tools, Automotive. Duro Metal Products Co. 285,395, renewed July 28, 1951. O. G. Oct. 23.
Tools, Hand. Aircraft-Marine Products Inc. 549,887, Oct. 23; Serial No. 592,452, published July 17, 1951.
Tools, Well. Jackson Byron Co. 549,823, Oct. 23; Serial No. 580,727, published July 17, 1951.

CLASS 25

Locks and keys. C. L. Haber. 290,237, renewed Dec. 22, 1951. O. G. Oct. 23.

CLASS 26

Measuring receptacle, Graduated. Gunite Concrete and Construction Company. 290,181, renewed Dec. 22, 1951. O. G. Oct. 23.
Photographic film. Eastman Kodak Company. 284,948, July 14, 1931. Republished Oct. 23.
Recorders, V-Notch, pipe flow meters, float-controlled liquid level regulators, etc. Cochrane Corporation. 549,873, Oct. 23; Serial No. 590,885, published May 1, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Seat cover selectors, vis., slide charts. The S. E. Hyman Company. 550,084, Oct. 23; Serial No. 583,873.

CLASS 27

Watch and clock repair parts. Watchmaker's Material Association. 549,912, Oct. 23; Serial No. 596,134, published July 24, 1951.
Watches. M. A. Hamber. 549,904, Oct. 23; Serial No. 594,969, published July 17, 1951.
Watches, clocks, and parts thereof, etc. S. Rodman Sons. 549,978, Oct. 23; Serial No. 604,232, published July 17, 1951.
Watches, watch cases, and watch movements. The Gruen Watch Company. 549,973, Oct. 23; Serial No. 603,785, published July 17, 1951.

CLASS 28

Jewelry clips. Weinreich Brothers Company. 549,890, Oct. 23; Serial No. 592,959, published July 17, 1951.
Jewelry findings. Weinreich Brothers Company. 549,927, Oct. 23; Serial No. 599,294, published July 17, 1951.
Jewelry, Men's. A. C. Lavick, Inc. 549,818, Oct. 23; Serial No. 579,332, published July 17, 1951.
Perfume containers and dispensers, Purse size. Grand Products Company. 549,792, Oct. 23; Serial No. 570,960, published July 3, 1951.
Rings, Finger. Ostby and Barton Company. 549,999, Oct. 23; Serial No. 604,883, published July 31, 1951.
Sterling silver hollow tableware. Oneida Ltd. 550,049, Oct. 23; Serial No. 607,760, published July 3, 1951.
Sterling silver hollowware. R. Wallace & Sons Manufacturing Company. 549,954, Oct. 23; Serial No. 602,006, published July 17, 1951.

CLASS 30

Dinnerware, China. Fisher, Bruce & Company. 549,804, Oct. 23; Serial No. 576,578, published July 17, 1951.
Plates made of china. M. S. Miller. 549,907, Oct. 23; Serial No. 595,731, published July 3, 1951.

CLASS 31

Filters and water softeners, Independent pressure and gravity and water softeners. Cochrane Corporation. 549,873, Oct. 23; Serial No. 590,886, published May 29, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Refrigerator cabinets. Grand Rapids Cabinet Company. 285,501, renewed July 28, 1951. O. G. Oct. 23.

CLASS 32

Mirrors. Falconer Plate Glass Corporation. 289,151, renewed Nov. 17, 1951. O. G. Oct. 23.

CLASS 33

Glass ovenware and fireproof cooking ware. The British Heat Resisting Glass Company Limited. 549,834, Oct. 23; Serial No. 582,556, published July 3, 1951.
Glass ovenware and fireproof cooking ware. The British Heat Resisting Glass Company Limited. 549,947, Oct. 23; Serial No. 601,532, published July 3, 1951.
Glass, Plate, glass for mirrors and glass store fronts. Hamilton Glass Company, Inc. 549,859, Oct. 23; Serial No. 588,644, published July 3, 1951.
Glass refrigerator jugs. H. K. Asquith. 549,785, Oct. 23; Serial No. 584,595, published July 17, 1951.
Glassware. Friedrich & Dimmock, Inc. 549,925, Oct. 23; Serial No. 598,992, published July 31, 1951.

CLASS 34

Air conditioning systems for drying, ventilating, etc. Carrier Corporation. 549,862–3, Oct. 23; Serial Nos. 589,425–6, published July 24, 1951.
Air conditioning units, Readily portable. Conditioned Aire Corp. 549,816, Oct. 23; Serial No. 578,958, published May 16, 1950.
Air coolers, Evaporative type. Air Cooling Engineering Co. 549,855, Oct. 23; Serial No. 587,922, published July 17, 1951.
Barbecue of metal, Portable. W. G. Persinger. 549,940, Oct. 23; Serial No. 600,506, published July 31, 1951.
Boilers, furnaces, air conditioners, etc. Affiliated Gas Equipment, Inc. 549,911, Oct. 23; Serial No. 596,005, published July 31, 1951.
Control system. Fred H. Schaub Engineering Co., Inc. 549,746, Oct. 23; Serial No. 533,057, published July 31, 1951.
Fans, Exhaust and ventilating. Broan Mfg. Co., Inc. 549,963, Oct. 23; Serial No. 602,672, published July 17, 1951.

Furnace flue gas baffle. Holland Furnace Company. 549,743, Oct. 23; Serial No. 528,929, published July 17, 1951.
Furnaces, Gas, oil or coke-fired metallurgical. W. F. Sklenar. 549,752, Oct. 23; Serial No. 544,625, published July 17, 1951.
Furnaces, Smelting, and parts of such furnaces. Elektrokemisk A/S. 549,824, Oct. 23; Serial No. 580,879, published July 17 1951.
Grilles. Hendrick Manufacturing Company. 549,847, Oct. 23; Serial No. 585,230, published July 31, 1951.
Heaters, Gas fired water. Gas Appliance Manufacturers Association. 550,067, Oct. 23; Serial No. 606,290, published July 17, 1951.
Heaters, Water and feed-water, steam purifiers. Cochrane Corporation. 549,873, Oct. 23; Serial No. 590,887, published May 8, 1951. (Consolidated certificate, Classes 2, 13, 21, 23, 26, 31, and 34.)
Radiators, Gas unit and gas steam. James B. Clow & Sons. 549,795, Oct. 23; Serial No. 572,485, published July 17, 1951.
Stoves, Camp, coal and oil circulator, heaters, stokers, etc. The May Department Stores Company. 549,799, Oct. 23; Serial No. 574,442, published July 31, 1951.

CLASS 35

Belting, Leather, and leather machinery packing. Page Belting Company. 549,760, Oct. 23; Serial No. 547,652, published Apr. 26, 1949.
Belting, Power and transmission. Warren Belting Company, Inc. 549,897, Oct. 23; Serial No. 593,639, published July 24, 1951.
Belting, Rubber, hose, packing, etc. Hewitt-Robins Incorporated. 549,790, Oct. 23; Serial No. 568,733, published July 24, 1951.
Cup leathers for pumps. Dempster Mill Manufacturing Company. 549,909, Oct. 23; Serial No. 595,876, published July 24, 1951.
Gasket seal. Precision Rubber Products Corporation. 549,950, Oct. 23; Serial No. 601,846, published July 24, 1951.
Gaskets. Victor Manufacturing & Gasket Co. 549,881, Oct. 23; Serial No. 591,873, published July 24, 1951.
Gaskets. Victor Manufacturing & Gasket Co. 549,882, Oct. 23; Serial No. 591,899, published July 24, 1951.
Hose assemblies, Flexible. Avica Corporation. 549,805, Oct. 23; Serial No. 576,681, published July 24, 1951.
Inner tubes, outer casings of pneumatic tires and tubes, etc. Carlisle Corporation. 549,934, Oct. 23; Serial No. 599,692, published July 24, 1951.
Tires, Automobile. Sears, Roebuck and Co. 549,796, Oct. 23; Serial No. 573,685, published July 24, 1951.
Tires, Motor vehicle. The Mansfield Tire and Rubber Company. 549,812, Oct. 23; Serial No. 577,972, published July 24, 1951.
Tires, Pneumatic, pneumatic tubes, power transmission belts, etc. The Gates Rubber Company. 549,898, Oct. 23; Serial No. 593,666, published July 24, 1951.
Tires, Vehicle, and inner tubes therefor. The Falls Rubber Company. 284,767, renewed July 7, 1951. O. G. Oct. 23.
Tubing, Fabric and rubber. E. T. Hunter. 549,809, Oct. 23; Serial No. 577,718, published July 24, 1951.

CLASS 36

Accordions. Colombo & Sons. 549,778, Oct. 23; Serial No. 558,700, published July 24, 1951.
Pianos. The Starr Piano Company. 83,371, re-renewed Sept. 5, 1951. O. G. Oct. 23.
Ukuleles, banjo ukuleles, tenor guitars, etc. J. M. Sahlein. 549,883, Oct. 23; Serial No. 591,958, published July 24, 1951.

CLASS 37

Envelopes, Correspondence and mailing. Federal Envelope Manufacturing Co. 289,953, renewed Dec. 15, 1951. O. G. Oct. 23.
Papers, Writing, and envelops. Samuel Ward Company. 82,540–1, re-renewed July 4, 1951. O. G. Oct. 23.
Refrigeration packaging products, namely, wrapping paper. International Harvester Company. 549,949, Oct. 23; Serial No. 601,792, published May 29, 1951.

CLASS 38

Books. Random House, Inc. 550,033, Oct. 23; Serial No. 606,323, published July 24, 1951.
Books and magazines. The Bruce Publishing Company. 549,952, Oct. 23; Serial No. 601,975, published July 24, 1951.
Books and pamphlets, Children's educational. Scott, Foresman and Company. 550,034–5, Oct. 23; Serial Nos. 606,332–3, published July 24, 1951.
Books, Comic. Terrytoons, Inc. 549,991, Oct. 23; Serial No. 604,553, published July 24, 1951.
Books, Printed. Grosset & Dunlap, Inc. 549,995, Oct. 23; Serial No. 604,630, published July 24, 1951.
Cards, Greeting. W. Boyd. 550,028, Oct. 23; Serial No. 606,117, published July 24, 1951.
Cartoons. H. Projansky. 550,008, Oct. 23; Serial No. 605,232, published July 24, 1951.
Comic drawings. United Feature Syndicate, Inc. 550,034, Oct. 23; Serial No. 606,344, published July 24, 1951.
Magazine. McGraw-Hill Publishing Company, Inc. 549,742, Oct. 23; Serial No. 525,637, published July 17, 1951.
Magazine. Ziff-Davis Publishing Company. 549,967, Oct. 23; Serial No. 603,173, published July 24, 1951.
Magazines, Comic. Nation-Wide Publishing Corp. 550,010, Oct. 23; Serial No. 605,322, published July 24, 1951.
Newspapers, Cartoon section of, and other publications. The Register and Tribune Company. 549,990, Oct. 23; Serial No. 604,547, published July 24, 1951.
Pamphlets, Good will, educational, congratulatory, welcome, get well, etc. Abbott Laboratories. 549,797, Oct. 23; Serial No. 574,078, published July 24, 1951.
Papers, Weekly and monthly, local and State labor. International Labor Press of America. 550,066, Oct. 23; Serial No. 603,062, published July 24, 1951.
Periodical. Hat Corporation of America. 549,980, Oct. 23; Serial No. 604,302, published July 24, 1951.
Periodical. Veterinary Magazine Corporation. 284,802, July 7, 1931. Republished Oct. 23.
Publication. Periodical. Hillman Periodicals, Inc. 550,037, Oct. 23; Serial No. 606,427, published July 24, 1951.
Publication, Periodical. Norwegian Lutheran Church of America. 286,898, renewed Sept. 8, 1951. O. G. Oct. 23.
Publications. G. D. Searle & Co. 549,920, Oct. 23; Serial No. 597,547, published July 24, 1951.
Publications, Periodical. The California Oil Company. 549,997, Oct. 23; Serial No. 604,762, published July 24, 1951.
Stamps, Merchandise purchasing. Panhandle Publishing Company, Inc. 550,039, Oct. 23; Serial No. 606,673, published July 24, 1951.

CLASS 39

Apparel, Women's. Aronson-Caplin Company, Inc. 289,610, renewed Dec. 1, 1951. O. G. Oct. 23.
Belts. Slote & Klein, Inc. 355,095, Mar. 8, 1938. Republished Oct. 23.
Belts, gloves, scarves, Ladies', etc. Lederer de Paris Fifth Avenue, Inc. 549,944, Oct. 23; Serial No. 600,799, published July 24, 1951.
Bibs, Baby. J and E Manufacturing Company. 549,787, Oct. 23; Serial No. 566,233, published July 24.
Boots, shoes, and slippers, etc., Leather and canvas. Coes and Young Company. 97,041, May 19, 1914. Republished Oct. 23.
Brassières. Delightform Foundations, Inc. 550,047, Oct. 23; Serial No. 607,661, published July 24, 1951.
Cape, Bathing, beach and shower, and baby pants. International Latex Corporation. 549,775, Oct. 23; Serial No. 558,034, published July 10, 1951.
Clothing, Men's. Roger Kent, Inc. 549,981, Oct. 23; Serial No. 604,306, published July 17, 1951.
Clothing, Men's. Padi Clothes Inc. 549,893, Oct. 23; Serial No. 593,187, published June 5, 1951.
Coats, blouses, vests, etc. The Drybak Corporation. 549,738–9, Oct. 23; Serial Nos. 599,830–1, published June 26, 1951.
Coats, Ladies' fur. Convertible Furs, Inc. 549,928, Oct. 23; Serial No. 599,311, published July 3, 1951.
Coats, Persian lamb fur, Persian lamb skins, etc. Rose & Pack. 549,945, Oct. 23; Serial No. 600,853, published July 3, 1951.
Coats, Sport, and slacks. The Hecht Company. 549,933, Oct. 23; Serial No. 599,567, published July 3, 1951.
Corsets and brassières. The Nubone Company, Inc. 549,860, Oct. 23; Serial No. 588,991, published July 24, 1951.
Dresses and suits, Ladies'. Meti, Inc. 550,043, Oct. 23; Serial No. 607,181, published July 24, 1951.
Dresses, Women's. Jonathan Logan, Inc. 549,924, Oct. 23; Serial No. 598,262, published July 24, 1951.
Garments, Inner and outer. Toni Lee Ltd. 549,827, Oct. 23; Serial No. 581,427, published July 24, 1951.
Garments, Maternity. O. V. Klein. 444,588, Oct. 23; Serial No. 520,105, published July 3, 1951.
Garments, Men's, ladies' garments, etc. William Hollins & Company Limited. 549,939, Oct. 23; Serial No. 600,484, published June 5, 1951.
Garments, Men's, Ladies' garments; etc. William Hollins & Company Limited. 549,943, Oct. 23; Serial No. 600,776, published July 3, 1951.
Girdles and corsets. True Form Corset Company, Inc. 549,914, Oct. 23; Serial No. 596,310, published July 24, 1951.
Gloves, Work. Wells Lamont Corporation. 549,789, Oct. 23; Serial No. 568,138, published July 24, 1951.
Hats. Hat Corporation of America. 549,975, Oct. 23; Serial No. 604,152, published July 3, 1951.
Hats and caps, Men's. Swann-Abram Hat Company, Inc. 549,901, Oct. 23; Serial No. 594,153, published Mar. 20, 1951.
Hats and caps, Men's, women's and children's. The Brittany Hat Co., Inc. 550,000, Oct. 23; Serial No. 604,900, published July 3, 1951.
Hats, gloves, scarfs, etc., Women's. Mr. John, Inc. 549,819, Oct. 23; Serial No. 579,499, published July 3, 1951.
Hats, Ladies' and children's. Consolidated Millinery Company. 549,779, Oct. 23; Serial No. 558,702, published July 17, 1951.

Hats, Men's. Borden Import Corp. 549,852, Oct. 23; Serial No. 587,072, published July 24, 1951.
Hats, Men's. Kanner-Wald Inc. 403,460, Sept. 28, 1943. Republished Oct. 23.
Hats, Men's. The Frank H. Lee Company. 549,803, Oct. 23; Serial No. 576,341, published July 3, 1951.
Hats, Women's, misses' and children's. The J. Leschin Stores Corporation. 549,786, Oct. 23; Serial No. 564,884, published July 24, 1951.
Hosiery. Lenoir Hosiery Mills, Inc. 549,868, Oct. 23; Serial No. 589,902, published July 17, 1951.
Hosiery. Rosedale Knitting Co. Inc. 288,623, renewed Nov. 3, 1951. O. G. Oct. 23.
Hosiery, Ladies'. National Department Stores Inc. 249,574, renewed Nov. 20, 1948. O. G. Oct. 23.
Hosiery, Ladies'. S & J Simowitz, Inc. 549,826, Oct. 23; Serial No. 581,298, published July 10, 1951.
Hosiery, Women's. Burlington Mills Corporation. 549,932, Oct. 23; Serial No. 599,496, published July 24, 1951.
Hosiery, Women's. Sanson Hosiery Mills, Inc. 549,866, Oct. 23; Serial No. 589,872, published July 24, 1951.
Hosiery, Women's. Sanson Hosiery Mills, Inc. 549,953, Oct. 23; Serial No. 602,000, published July 10, 1951.
Jackets and coats, Men's and boys'. W. Shanhouse Sons, Inc. 444,590, Oct. 23; Serial No. 525,034, published July 24, 1951.
Pajamas, Women's lounging and sleeping. Mitchell Bros., Incorporated. 549,996, Oct. 23; Serial No. 604,700, published July 24, 1951.
Shirts and collars, Men's outer. Trubenizing Process Corporation. 549,941–2, Oct. 23; Serial Nos. 600,742–3, published July 3, 1951.
Shirts, Dress, negligee and work. Hall Hartwell & Co. 144,411, July 5, 1921. Republished Oct. 23.
Shirts, Men's and boys' dress and negligee, and boys' and children's waists and blouses. Elder Manufacturing Company. 288,545–7, renewed Nov. 3, 1951. O. G. Oct. 23.
Shirts, Men's outer. C. F. Hathaway Co. 549,747, Oct. 23; Serial No. 533,889, published July 3, 1951.
Shirts, Men's outer. The Mister Short Company. 549,781, Oct. 23; Serial No. 563,002, published July 3, 1951.
Shirts, Polo, and sweaters. Roosevelt Mills, Inc. 549,903, Oct. 23; Serial No. 594,661, published July 3, 1951.
Shirts, trousers, slacks, etc., Men's, boys' and juniors' outer. Henry I. Siegel Co. Inc. 549,951, Oct. 23; Serial No. 601,952, published July 24, 1951.
Shoes, Men's, women's and children's. Shoe Corporation of America. 549,793, Oct. 23; Serial No. 571,669, published July 17, 1951.
Shoes, Women's. Federated Department Stores, Inc. 549,755, Oct. 23; Serial No. 546,131, published July 17, 1951.
Suits, coats, overcoats, etc., Men's and boys'. Hart Schaffner & Marx. 549,762, Oct. 23; Serial No. 548,590, published Sept. 26, 1950.
Suits, coats, vests, and pants, Boys' outer. Merit Manufacturing Company. 84,021, re-renewed Oct. 31, 1951. O. G. Oct. 23.
Suits, sun suits, coats, etc. J. Markowitz & Son, Inc. 549,754, Oct. 23; Serial No. 546,110, published July 24, 1951.
Suits, topcoats, and overcoats, Men's. Society Brand Clothes, Inc. 549,750, Oct. 23; Serial No. 537,368, published July 17, 1951.
Ties. S. Sherman. 549,936, Oct. 23; Serial No. 599,983, published July 3, 1951.
Topcoats, overcoats, raincoats, etc., Children's. A. M. Schargel. 549,930, Oct. 23; Serial No. 599,457, published July 3, 1951.
Under shorts. The Mister Short Company. 549,788, Oct. 23; Serial No. 566,414, published July 10, 1951.
Underwear, Men's and boys'. Cluett, Peabody & Co., Inc. 549,957, Oct. 23; Serial No. 602,363, published July 10, 1951.
Women's and men's wear. R. B. Stevenson. 549,867, Oct. 23; Serial No. 589,875, published Sept. 5, 1950.

CLASS 42

Piece goods, Cotton, pillow cases, and sheets. Wamsutta Mills. 289,408, renewed Nov. 24, 1951. O. G. Oct. 23.
Rugs and carpets, Textile. Hugh Nelson-Columbia Carpet Mills, Inc. 289,556, renewed Dec. 1, 1951. O. G. Oct. 23.

CLASS 43

Thread. L. H. Tallmadge. 549,777, Oct. 23; Serial No. 558,423, published July 31, 1951.
Thread and yarn. J. & P. Coats (R. I.) Inc. 550,053, Oct. 23; Serial No. 608,037, published July 24, 1951.
Threads. J. & P. Coats (R. I.) Inc. 550,052, Oct. 23; Serial No. 607,957, published July 24, 1951.
Yarns. Sativa Corporation. 549,900, Oct. 23; Serial No. 593,689, published July 31, 1951.
Yarns and threads. B. Altmann. 549,931, Oct. 23; Serial No. 599,474, published July 24, 1951.
Yarns and threads, Woolen and worsted. Leidsche Textielfabriken Gebr. Van Wijk & Co. N. V. 549,870, Oct. 23; Serial No. 590,375, published July 31, 1951.

CLASS 44

Artificial teeth. Myerson Tooth Corporation. 550,005, Oct. 23; Serial No. 605,112, published July 17, 1951.
Clip fasteners for securing cloth wrappings around surgical pads during sterilization. Smith & Underwood. 549,815, Oct. 23; Serial No. 578,540, published July 10, 1951.
Dentures and surgical appliances. Austenal Laboratories, Incorporated. 549,798, Oct. 23; Serial No. 574,187, published July 17, 1951.
Hair-removing machine, Electrical. L. Baer. 444,587, Oct. 23; Serial No. 506,979, published Oct. 18, 1949.
Holder for baby nursing bottle. D. M. Suich. 549,962, Oct. 23; Serial No. 602,576, published July 17, 1951.
Molding material, Quick-setting. Vernon-Benshoff Company. 549,986, Oct. 23; Serial No. 604,407, published July 17, 1951.
Plastic fabric for reinforcing a fabric material for fabrication into orthopedic appliances. Vernon-Benshoff Company. 549,985, Oct. 23; Serial No. 604,405, published July 17, 1951.

CLASS 45

Beverages, Non-alcoholic, maltless. La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme. 286,918, renewed Sept. 8, 1951. O. G. Oct. 23.
Nonalcoholic cordial. La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme. 284,013, renewed June 9, 1951. O. G. Oct. 23.

CLASS 46

Apples, Fresh. Nuchief Sales, Inc. 549,800, Oct. 23; Serial No. 575,506, published July 10, 1951.
Bakery goods, Fresh. The Kroger Co. 550,090, Oct. 23; Serial No. 594,385.
Bakery products. McLaren-Consolidated Cone Corporation. 289,927, Dec. 15, 1931. New certificate. O. G. Oct. 23.
Buttermilk and vitamin feed. Consolidated Products Company. 440,039, Aug. 10, 1948. Republished Oct. 23.
Candies, Sugar and chocolate coated. Dittmar's Candies, Inc. 549,807, Oct. 23; Serial No. 577,172, published July 3, 1951.
Candy. J. P. Tucker. 550,087, Oct. 23; Serial No. 592,289.
Canned cream. The Wander Company. 550,092, Oct. 23; Serial No. 596,370.
Canned evaporated milk. The United Dairy Company. 549,740, Oct. 23; Serial No. 518,114, published July 31, 1951.
Canned olive oil. Uddo & Taormina Company. 397,558, Sept. 8, 1942. Republished Oct. 23.
Canned peas. Uddo Taormina Corp. 393,073, Jan. 27, 1942. Republished Oct. 23.
Canned pickled herring. Delca Fish Preservators, Inc. 377,918, May 21, 1940. Republished Oct. 23.
Canned salmon. New England Fish Company. 284,991, renewed July 14, 1951. O. G. Oct. 23.
Canned vegetables, canned fruits, honey, etc. Donahoe's Incorporated. 549,753, Oct. 23; Serial No. 545,727, published July 31, 1951.
Cantaloupes, Fresh. Z. Asamen. 288,742, renewed Nov. 3, 1951. O. G. Oct. 23.
Chicken, Frozen fried. Wading River Farms, Inc. 550,096, Oct. 23; Serial No. 599,406.
Chocolate syrup. Henry and Henry, Inc. 550,073, Oct. 23; Serial No. 541,676.
Coconut, Sweetened. Wood & Selick Sweetened Coconut Company, Inc. 549,837, Oct. 23; Serial No. 583,307, published July 31, 1951.
Coffee. Southland Coffee Company. 550,069, Oct. 23; Serial No. 514,855.
Confection, Frozen. Jer-Zee, Inc. 550,085, Oct. 23; Serial No. 584,970.
Confectionery, Frozen. The Popsicle Corporation of the United States. 290,117, renewed Dec. 22, 1951. O. G. Oct. 23.
Custards, Frozen, ice creams and ices. T. Carvel. 550,082, Oct. 23; Serial No. 575,969.
Dairy and like products. The Polk Sanitary Milk Company. 549,783, Oct. 23; Serial No. 563,630, published July 24, 1951.
Deciduous fruits and vegetables, Packaged fresh, canned fruits, canned vegetables, etc. Baltimore Markets, Incorporated. 550,083, Oct. 23; Serial No. 577,857.
Dry mix containing rice and seasoning ingredients. Kitchen Art Foods, Inc. 550,071, Oct. 23; Serial No. 532,461.
Dry mixes and concentrated dry mixes used in the baking industry. Hachmeister-Inc. 550,095, Oct. 23; Serial No. 598,468.
Figs. The Hills Brothers Company. 84,629, re-renewed Dec. 26, 1951. O. G. Oct. 23.
Flour, Plain and self-rising hard wheat. The Wall-Rogalsky Milling Company. 549,820, Oct. 23; Serial No. 580,270, published July 3, 1951.
Flour, Wheat. Flour Mills of America, Inc. 549,765, Oct. 23; Serial No. 552,551, published June 12, 1951.
Flour, Wheat. Pillsbury Mills, Inc. 549,892, Oct. 23; Serial No. 593,083, published July 3, 1951.
Food products, Packaged. J. J. Pieri. 549,749, Oct. 23; Serial No. 536,130, published July 31, 1951.

Fruits, Dried, nut meats, mixed fruits, etc. Pandaleon Brothers, Inc. 549,763, Oct. 23; Serial No. 551,134, published July 31, 1951.
Fruits, Fresh. Gentile Bros. Company. 289,189, renewed Nov. 24, 1951. O. G. Oct. 23.
Fruits, Fresh citrus, fresh deciduous fruits, fresh vegetables, etc. Palm Terrace Fruit Company. 549,993, Oct. 23; Serial No. 604,592, published July 31, 1951.
Geffel-bittera kind of spiced herring, etc. Zwecker & Lehr, Inc. 337,122, July 28, 1936. Republished Oct. 23.
Ices cream, candy, and health fruit bars. Abdallah Incorporated. 549,736, Oct. 23; Serial No. 505,998, published July 31, 1951.
Livestock feed. Supreme Feed Mills. 549,982, Oct. 23; Serial No. 604,330, published July 10, 1951.
Mayonnaise dressing, French dressing, Thousand Island dressing, etc. J. A. Orrell. 550,080, Oct. 23; Serial No. 572,880.
Mixes for ice creams, frozen custards and ices made from milk, etc., Prepared. The Brittain Products Company. 532,347, Oct. 24, 1950. New certificate. O. G. Oct. 23.
Nut butter. Chunk-E-Nut Products Company, Inc. 550,089, Oct. 23; Serial No. 594,360.
Olive oil. A. Bologna & Company. 195,323, Feb. 24, 1925. Republished Oct. 23.
Olive oil. Ubdo Taormina Corp. 397,876, Sept. 29, 1942. Republished Oct. 23.
Oranges and lemons. Stewart Citrus Association. 84,547, re-renewed Dec. 19, 1951. O. G. Oct. 23.
Pies, Frozen ready-to-bake. W. B. McIntosh. 550,078, Oct. 23; Serial No. 562,718.
Poultry, Dressed. Firestone & Company, Inc. 550,077, Oct. 23; Serial No. 538,386.
Relish, India, French dressing, Thousand Island dressing, etc. Blue Plate Foods Inc. 289,863, renewed Dec. 8, 1951. O. G. Oct. 23.
Relish, Onion. La Prade's Fishing Camp. 550,091, Oct. 23; Serial No. 594,794.
Remoulade sauce and poppy seed salad dressing. H. Corbitt. 549,865, Oct. 23; Serial No. 589,565, published July 3, 1951.
Rice. H. Traub's Sons, Inc. 549,801–2, Oct. 23; Serial No. 575,947–8, published Oct. 31, 1950.
Roll mix, Hot, and pie crust mix. F. Mosley. 550,086, Oct. 23; Serial No. 589,388.
Rolls, Frozen parker house. C. R. Luger. 550,076, Oct. 23; Serial No. 549,643.
Salad dressing. G. W. Kieffer. 549,811, Oct. 23; Serial No. 377,794, published Oct. 3, 1950.
Sandwiches. The Price-Wilhoite Company. 550,072, Oct. 23; Serial No. 539,437.
Sauce, Pizza. Conte & Sons Packing Co. 550,081, Oct. 23; Serial No. 573,529.
Semolina. Pillsbury Mills, Inc. 550,074; Oct. 23; Serial No. 546,023.
Shortening, Vegetable. National Shortening and Oil Mfg. Corp. 550,098, Oct. 23; Serial No. 600,392.
Vegetables, Fresh, fresh deciduous fruits. Lambert Marketing Co. 287,439, renewed Sept. 29, 1951. O. G. Oct. 23.
Vegetables, Fresh, fresh deciduous fruits, fresh citrus fruits. Simons & French Company, Inc. 289,071, renewed Nov. 17, 1951. O. G. Oct. 23.
Wheat-flour. Wichita Flour Mills Company. 550,075, Oct. 23; Serial No. 549,354.

CLASS 47

Wines. Champagne Delamotte Pere & Fils (Societe à Responsabilité Limitée). 285,968, renewed Aug. 11, 1951. O. G. Oct. 23.

CLASS 48

Malt beverages. Peter Hand Company. 306,427, Sept. 19, 1933. Republished Oct. 23.

CLASS 51

Antiseptics and disinfectants, Liquid, bath salts, etc. Stern Brothers. 289,638, renewed Dec. 1, 1951. O. G. Oct. 23.
Deodorant. Cream. Mifflin Chemical Corporation. 290,018, renewed Dec. 22, 1951. O. G. Oct. 23.
Face powder. The Andrew Jergens Company. 549,817, Oct. 23; Serial No. 579,329, published June 26, 1951.
Face powder, hand lotion, foundation cream, etc. Materna Products, Inc. 549,889, Oct. 23; Serial No. 592,-572, published July 24, 1951.
Nail-polish, perfumes, sachet-powder, etc. R. Hudnut. 82,889, re-renewed Aug. 1, 1951. O. G. Oct. 23.
Perfume, toilet water, cologne, etc. S. A. Lancome. 549,745, Oct. 23; Serial No. 530,525, published July 24, 1951.

CLASS 52

Cleaners, Solid, powdered and liquid. John C. Stalfort & Sons, Inc. 549,857, Oct. 23; Serial No. 588,402, published July 17, 1951.
Cleaning compositions. Alrose Chemical Company. 549,886, Oct. 23; Serial No. 592,294, published July 17, 1951.
Cleaning, disinfecting and deodorizing preparation. West Disinfecting Company. 549,861, Oct. 23; Serial No. 589,288, published July 31, 1951.
Detergents, Dry cleaning. Stamford Chemical Company. 549,913, Oct. 23; Serial No. 596,206, published July 17, 1951.
Dry bath or cleaner for dogs and cats and also a shampoo for dogs and cats. R. J. M. Sales Co. 549,966, Oct. 23; Serial No. 602,974, published July 31, 1951.
Preparations for the treatment of hair. Raymond Laboratories, Inc. 549,922, Oct. 23; Serial No. 598,038, published July 17, 1951.
Shampoo, Waterless. H. G. Douglas. 549,831, Oct. 23; Serial No. 582,030, published July 31, 1951.
Soap. Fischer's Surfa-Saver, Inc. 285,434, renewed July 28, 1951. O. G. Oct. 23.
Soap. The M. Werk Company. 549,853, Oct. 23; Serial No. 587,372, published July 17, 1951.
Soap, Bath and toilet. Armour and Company. 549,768, Oct. 23; Serial No. 552,739, published Aug. 24, 1948.
Soap-like synthetic detergents. The Procter & Gamble Company. 549,971, Oct. 23; Serial No. 603,563, published July 31, 1951.
Soap, Liquid. Highley Chemical Company. 549,741, Oct. 23; Serial No. 520,034, published Feb. 28, 1950.
Soap powder and flakes and detergent. Samuel Halaby, Inc. 549,833, Oct. 23; Serial No. 582,131, published July 31, 1951.

CLASS 100

Gift wrapping service. Cris-Louise. 550,063, Oct. 23; Serial No. 594,103, published July 24, 1951.
Hostelry service. P. O. Shrack. 550,062, Oct. 23; Serial No. 581,909, published July 31, 1951.

CLASS 101

Furnishing of general and detailed scientific and technical data and information to other companies, etc. Nuodex Products Co., Inc. 550,059, Oct. 23; Serial No. 557,948, published July 24, 1951.

CLASS 103

Repair and retreading of pneumatic tires. The General Tire & Rubber Company. 550,060, Oct. 23; Serial No. 580,239, published July 31, 1951.

CLASS 106

Bookbinding and step indexing. J. Gettler. 550,061, Oct. 23; Serial No. 581,416, published July 31, 1951.
Chemically treating furs. A. Hollander & Son, Inc. 550,102, Oct. 23; Serial No. 582,084.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Perry, Frank R., assignor to Turco Products, Inc. Los Angeles, Calif. Cleaning method and material therefor. Re. 23,422, Oct. 23.
Solomito, Joseph, Bloomington, Ind. Machine for making course height stone veneer. Re. 23,423, Oct. 23.
Turco Products, Inc., assignee: *See*—
Perry, Frank R.

LIST OF PLANT PATENTEES

De Ruiter, Gerrit, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 1,045, Oct. 23.
Jackson & Perkins Company, assignee: *See*—
De Ruiter, Gerrit.

LIST OF DESIGN PATENTEES

Adler, Samuel E., Chicago, Ill. Radio cabinet. 164,891, Oct. 23.
Baker, John C., Columbus, Ohio. Combined serving tray and food containers or similar article. 164,892, Oct. 23.
Bantam-Lite, Inc., assignee: *See*—
Schwartz, Sidney.
Barofsky, Jack, Los Angeles, Calif. Television cabinet or similar article. 164,893, Oct. 23.
Bemis, Kenneth E., Oakland, Calif. Store front. 164,894, Oct. 23.
Beyerstedt, Ralph L., assignor to The Frank G. Hough Co., Libertyville, Ill. Earth moving vehicle. 164,895, Oct. 23.
Beyerstedt, Ralph L., assignor to The Frank G. Hough Co., Libertyville, Ill. Earth moving vehicle. 164,896, Oct. 23.
Brown & Bigelow, assignee: *See*—
Woofter, Cecil B.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Armchair. 164,897, Oct. 23.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Armchair. 164,898, Oct. 23.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Executive posture swivel chair. 164,899, Oct. 23.
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Swivel chair base. 164,900, Oct. 23.
Cassidy, John D., Riverside, Conn., and J. D. Marks, West Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y. Film mounting. 164,901, Oct. 23.
Chapman, Harold E., Ashford Bowdler, near Ludlow, England. Mixer for culinary and general use. 164,902, Oct. 23.
Czarnikow, George K.: *See*—
Springer, Edward A., and Czarnikow.
Doman, Donald W.: *See*—
Girardy, Alfred B., Doman, and Meyers.
Edelmann, E., & Company, assignee: *See*—
Edelmann, Robert B.
Edelmann, Robert B., assignor to E. Edelmann & Company, Chicago, Ill. Battery service kit. 164,903, Oct. 23.
Emmons, Arthur N., Nedrow, assignor to Porter-Cable Machine Company, Syracuse, N. Y. Portable power-operated sanding machine. 164,904, Oct. 23.
Feintuch, Rose, New York, N. Y. Dress. 164,905, Oct. 23.
Feintuch, Rose, New York, N. Y. Dress. 164,906, Oct. 23.
Feintuch, Rose, New York, N. Y. Dress. 164,907, Oct. 23.
Folley, Milo D., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Wall bracket lighting fixture. 164,908, Oct. 23.
Fowler, Alvah W., assignor to W. A. Uttz, Fort Worth, Tex. Combination tool. 164,909, Oct. 23.
Franke & Heidecke, Fabrik Photographischer Präzisions-Apparate, assignee: *See*—
Heidecke, Reinhold.
Freeman, Stanley H., Larchmont, N. Y. Gem display case. 164,910, Oct. 23.
Gemex Company, assignee: *See*—
Prestinari, Eugen and Sand.
Gibson Refrigerator Company, assignee: *See*—
Janes, Richard B., and Snider.
Giovagnoni, Violet, New York, N. Y. Negligee. 164,911, Oct. 23.
Giovagnoni, Violet, New York, N. Y. Negligee. 164,912, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,913, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,914, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,915, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,916, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,917, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,918, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,919, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey and R. E. Meyers, Niles, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,920, Oct. 23.
Girardy, Alfred B., Chicago, D. W. Doman, Harvey, and R. E. Meyers, Park Forest, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway observation car body. 164,921, Oct. 23.
Gould, Bernard D., New York, N. Y. Textile fabric. 164,922, Oct. 23.
Heidecke, Reinhold, assignor to F. Heidecke, Fabrik Photographischer Präzisions-Apparate, Braunschweig, Germany. Lens cover. 164,923, Oct. 23.
Hinz, Lester F., Los Gatos, Calif. Container for doll. 164,924, Oct. 23.
Hitchcock, Richard E., Birmingham, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Backguard panel for cooking stoves. 164,925, Oct. 23.
Hitchcock, Richard E., Birmingham, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill. Kitchen range. 164,926, Oct. 23.
Hobe, William W., New York, N. Y. Display container for a perfume bottle or the like. 164,927, Oct. 23.
Hobe, William W., New York, N. Y. Display container for a perfume bottle or the like. 164,928, Oct. 23.
Hobe, William W., New York, N. Y. Combined bottle and stopper. 164,929, Oct. 23.
Hollis, Norman, assignor to Rosedale Associated Manufacturers Limited, London, England. Toy elephant. 164,930, Oct. 23.
Hough, Frank G., Co., The, assignee: *See*—
Beyerstedt, Ralph L.

Janes, Richard B., Baldwin Lake, Greenville, and J. W. Snider, Buchanan, assignors to Gibson Refrigerator Company, Greenville, Mich. Refrigerator cabinet. 164,931, Oct. 23.
Kaplan, Rica E., New York, N. Y. Display device. 164,932, Oct. 23.
Kanus, Nicholaus, Cranford, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cloth-plate for a sewing machine. 164,934, Oct. 23.
Killebrew, Robert H., Des Moines, Iowa. Dripless pitcher. 164,933, Oct. 23.
Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 164,935, Oct. 23.
Leech, Aubrey B., Los Angeles, Calif. Animated decorative lamp. 164,936, Oct. 23.
Les Parfums de Dana, Inc., assignee: *See*—
Serra, Javier.
Long, John E., assignor to Portable Air Cooler and Heating, Inc., Chico, Calif. Air conditioner. 164,937, Oct. 23.
Marks, Joseph D.: *See*—
Cassidy, John D., and Marks.
McDonald, Eugene F., Jr., Chicago, Ill. Combined antenna and weather vane. 164,938, Oct. 23.
McKaig, Charles H., Camillus, assignor to Onondaga Pottery Company, Syracuse, N. Y. Dinner plate or similar article. 164,939, Oct. 23.
Meyers, Ralph E.: *See*—
Girardy, Alfred B., Doman, and Meyers.
Neumann, Vera, Ossining, N. Y. Scarf. 164,940, Oct. 23.
Nevell, Thomas G., Riverside, Conn., assignor to Tricolator Company, Inc., New York, N. Y. Coffee urn. 164,941, Oct. 23.
Novel Craft Manufacturing Company, Inc., assignee: *See*—
Strandell, Everett P. A.
Onondaga Pottery Company, assignee: *See*—
McKaig, Charles H.
Panole, Edward N., Shawnee, Okla. Serving bar. 164,942, Oct. 23.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 164,943, Oct. 23.
Pass & Seymour, Inc., assignee: *See*—
Foley, Milo D.
Pearson, Oscar A., Oak Park, assignor to Webster-Chicago Corporation, Chicago, Ill. Electronic tube body. 164,944, Oct. 23.
Peters, Leo, Evanston, Ill. Tray. 164,945, Oct. 23.
Peters & Russell, Inc., assignee: *See*—
Russell, Linus E.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,946, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,947, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,948, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 164,949, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Pin clip or the like. 164,950, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,951, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,952, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,953, Oct. 23.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 164,954, Oct. 23.
Portable Air Cooler and Heating, Inc., assignee: *See*—
Long, John E.
Porter-Cable Machine Company, assignee: *See*—
Emmons, Arthur N.
Prestinari, Eugen, Short Hills, and J. F. Sand, Newark, assignors to Gemex Company, Union, N. J. Expansible chain. 164,955, Oct. 23.
Price, Gordon A., Canton, Ohio. Child's peg board clothes hanger. 164,956, Oct. 23.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Girardy, Alfred B., Doman, and Meyers.
Reagor, Loretta, Shreveport, La. Christmas stocking. 164,957, Oct. 23.
Redlin Productions, Inc., assignee: *See*—
Redlin, William A.
Redlin, William A., Encino, assignor to Redlin Productions, Inc., Los Angeles, Calif. Mask for disguise or the like. 164,958, Oct. 23.
Redlin, William A., Encino, assignor to Redlin Productions, Inc., Los Angeles, Calif. Mask for disguise or the like. 164,959, Oct. 23.
Rosedale Associated Manufacturers, Limited, assignee: *See*—
Hollis, Norman.
Russell, Linus E., assignor to Peters & Russell, Inc., Springfield, Ohio. Automobile exhaust pipe extension. 164,960, Oct. 23.
Sand, John F.: *See*—
Prestinari, Eugen, and Sand.
Schletter, Richard E., Cheltenham Township, Montgomery County, assignor to Signature Hosiery Company, North Wales, Pa. Lady's stocking. 164,961, Oct. 23.
Schumacher, Warner, assignor to The Vendo Company, Kansas City, Mo. Bottled drink cooler. 164,962, Oct. 23.
Schwarts, Sidney, assignor to Bantam-Lite, Inc., New York, N. Y. Combined key chain and flashlight. 164,963, Oct. 23.
Sears, Roebuck and Co., assignee: *See*—
Hitchcock, Richard E.
Serra, Javier, assignor to Les Parfums De Dana, Inc., New York, N. Y. Bottle. 164,964, Oct. 23.
Sewell Products Inc., assignee: *See*—
Sewell, William B.
Sewell, William B., assignor to Sewell Products Inc., Los Angeles, Calif. Frame for a rotatable condiment rack. 164,965, Oct. 23.
Shaw-Walker Company, The, assignee: *See*—
Burdick, John S.
Signature Hosiery Company, assignee: *See*—
Schletter, Richard E.
Singer Manufacturing Company, The, assignee: *See*—
Knaus, Nicholaus.
Park, Malcolm S.
Snider, James W.: *See*—
Janes, Richard B., and Snider.
Snyder, William L., New York, N. Y. Tabouret. 164,966, Oct. 23.
Springer, Edward A., Irondequoit, and G. K. Czarnikow, Greece, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic lens mount. 164,967, Oct. 23.
Springer, Edward A., Irondequoit, and G. K. Czarnikow, Greece, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic lens mount. 164,968, Oct. 23.
Springer, Edward A., Irondequoit, and G. K. Czarnikow, Greece, assignors to Wollensak Optical Company, Rochester, N. Y. Photographic lens mount. 164,969, Oct. 23.
Strandell, Everett P. A., assignor to Novel Craft Manufacturing Company, Inc., Aurora, Ill. Combined hanging plant holder and bracket therefor. 164,970, Oct. 23.
Tammen, Glenn W., Park Ridge, Ill., assignor to U. S. Slicing Machine Company Inc., La Porte, Ind. Tower scale. 164,971, Oct. 23.
Tricolator Company, Inc., assignee: *See*—
Nevell, Thomas G.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Tschudi, Julius, Montreal, Quebec, Canada. Ash tray. 164,972, Oct. 23.
U. S. Slicing Machine Company, Inc., assignee: *See*—
Tammen, Glenn W.
Universal Camera Corporation, assignee: *See*—
Cassidy, John D., and Marks.
Utts, William A., assignee: *See*—
Fowler, Alvah W.
Vendo Company, The, assignee: *See*—
Schumacher, Warner.
Webster-Chicago Corporation, assignee: *See*—
Pearson, Oscar A.
Wollensak Optical Company, assignee: *See*—
Springer, Edward A., and Czarnikow.
Wong, Esther V., Jamaica, N. Y. Stuffed pig toy puppet. 164,973, Oct. 23.
Woofter, Cecil B., assignor to Brown & Bigelow, St. Paul, Minn. Cigarette lighter. 164,974, Oct. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A-B-C- Packaging Machine Corporation, assignee: *See*—
Neal, Morris P.
Abel, Edmund, Jr., Lakewood, Ohio. Aircraft folding wing construction. 2,572,421, Oct. 23.
Able, Edward T., and W. Krieger, assignors to B. K. Sweeney Manufacturing Company, Denver, Colo. Chain-driven wrench. 2,572,297, Oct. 23.
Ace Art Company, assignee: *See*—
Stokinger, George.
Aelony, David, Minneapolis, Minn., assignor to General Mills, Inc. N,N'-diacyl aryl disulfonamides. 2,571,995, Oct. 23.
Agger, Jens, assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill. Seal. 2,572,422, Oct. 23.
Agrashell, Inc., assignee: *See*—
Ayers, Joseph W.
Agriculture, United States of America, as represented by the Secretary of, assignee: *See*—
Hipp, Norbert J., Groves, and McMeekin.
Meeks, James W., Banigan, and Planck.
St. Clair, William E., and Lawrence.
Stamm, Alfred J., and Tarkow.
Air King Products Co. Inc., assignee: *See*—
Kay, Leopold M.
Air Reduction Company, Incorporated, assignee: *See*—
Rooke, Robert M.
Aktiebolaget Separator, assignee: *See*—
Andersson, Gustav H.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Wideröe, Rolf.
Alba, Ralph T.: *See*—
Wallerstein, James S., and Alba.
Albiswerk Zuerich A. G., assignee: *See*—
Schircks, Eric.
Alleman, Carl E.: *See*—
Quigg, Donald J., and Alleman.
Allemann, James G., Santa Ana, Calif. Bottom margin indicator for typewriters. 2,571,996, Oct. 23.
Allen, Durwood D., Los Angeles, Calif. Refrigerator rack bottle guide. 2,572,090, Oct. 23.
Allen Industries, Inc., assignee: *See*—
Gordon, Jack C.
Aller, T. Dwight: *See*—
Noll, Paul E., and Aller.
Allied Chemical & Dye Corporation, assignee: *See*—
Beckham, Leland J.
Almroth, Thomas K., and T. K. Almroth, Jr., Van Nuys, Calif. Prefabricating glass block panels. 2,572,580, Oct. 23.
Almroth, Thomas K., Jr.: *See*—
Almroth, Thomas K., and T. K., Jr.
Alperin, Louis I., Scranton, Pa. Safety reversible window. 2,572,423, Oct. 23.
Alschuler, Richard H.: *See*—
Falone, Angelo C., and Alschuler.
Alt, Alvin F.: *See*—
Binns, Jack N., Dugle, and Alt.
Altomare, Edward F.: *See*—
Weikart, Warren D., and Altomare.
Alvarez, Guillermo D., Habana, Cuba. Plow with rotary stalk cutter. 2,572,298, Oct. 23.
Ambeault, Joseph X., Ste. Therese de Blainville, assignor, by mesne assignments, to Commonwealth Plywood Company Limited, Ste. Therese, Quebec, Canada. Unreeling and feeder device for sheet wood clippers. 2,572,581, Oct. 23.
American Cyanamid Company, assignee: *See*—
Ashley, Kenneth D., and Mason.
Howard, Kenneth L.
Hultquist, Martin E., and SubbaRow.
American Enka Corporation, assignee: *See*—
Bakker, Willem.
Gonsalves, Conrad J.
Griset, Ernest J., Jr.
Moritz, Adrian J. L.
Thurmond, Gilbert I.
American Hard Rubber Company, assignee: *See*—
Wade, Robert S.
American Laundry Machinery Company, The, assignee: *See*—
Johnson, George W.
McLagan, Russell G.
American Seating Company, assignee: *See*—
Hoven, Alfred C. and Bond.
American Steel Foundaries, assignee: *See*—
Lehrman, Leo A.
American Tool Works Company, The, assignee: *See*—
Hoelscher, William G.
American Viscose Corporation, assignee: *See*—
Haley, Hugh D.
Amos, Bernard, North Arlington, assignor to Allen B. du Mont Laboratories, Inc., Passaic, N. J. Frequency modulation ratio detector. 2,572,424, Oct. 23.
Anderson, John, Glasgow, Scotland, and Andrew Fraser, London, England, assignors to Mavor & Coulson, Limited, Glasgow, Scotland. Power-actuated vehicle-moving apparatus. 2,572,687, Oct. 23.
Anderson, Raymond T., Lakewood, assignor to The V. D. Anderson Company, Cleveland, Ohio. Drain pan. 2,572,236, Oct. 23.
Anderson, V. D., Company, The, assignee: *See*—
Anderson, Raymond T.
Andersson, Gustav H., Smedslatten, assignor to Aktiebolaget Separator, Stockholm, Sweden. Centrifugal separation of heavy boiler oil. 2,572,425, Oct. 23.
André, Per A. S., Stromsnaasbruk, Sweden. Automatic closure for valve-bag valves. 2,572,686, Oct. 23.
Andrews, Dallas R., Collingswood, N. J., assignor to Radio Corporation of America. Reducing static electricity charges in nonelectroconductive styli. 2,572,426, Oct. 23.
Andrews, Howard D., assignor of one-half to Clair Hicks, Salinas, Calif. Combination tool. 2,572,237, Oct. 23.
Andrews, John M., assignor to York Corporation, York, Pa. Safety control for liquid-cooled devices. 2,572,582, Oct. 23.
Anglim, Frank L., Marquette, Mich. Trolling device. 2,572,427, Oct. 23.
Anstine, James W., Adrian, Mich. Adjustable lock keeper. 2,572,428, Oct. 23.
Antle, Herbert R., Bartlesville, Okla., assignor to Phillips Petroleum Company. Improved liquid-liquid contacting process using di (beta-cyanoethy)-amine. 2,572,583, Oct. 23.
Antolch, John, Los Angeles, assignor of one-fourth to S. R. Chorneau, Puente, Calif. Float-in or check valve. 2,572,299, Oct. 23.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Ellis, Grenville B.
Arnold, Herrick R., Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic rearrangement of pinene to camphene. 2,571,997, Oct. 23.
Arnold, Herrick R., Wilmington, and J. E. Carnahan, New Castle, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal molybdites and their preparation. 2,572,300, Oct. 23.
Arvin Industries, Inc., assignee: *See*—
Booth, Earl C.
Ashley, John W., and J. F. Leahy, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Heel slotting machine. 2,572,091, Oct. 23.
Ashley, Kenneth D., Stamford, Conn., and S. Mason, Pound Ridge, assignors to American Cyanamid Company, New York, N. Y. Aluminum soap composition. 2,572,429, Oct. 23.
Associated Development & Research Corporation, assignee: *See*—
Wallach, Irving D., and Clark.
Athletic Shoe Company, The, assignee: *See*—
Treat, Floyd C.
Atlantic Refining Company, The, assignee: *See*—
Hobson, Richard P.
Audino, Hector, Teaneck, N. J. Package of box blanks. 2,572,584, Oct. 23.
Austin, Leslie W., San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Magnesia refractory and making. 2,572,688, Oct. 23.
Automatic Canteen Company of America, assignee: *See*—
Thompson, Ernest H.
Thompson, Ernest H., and Doggett.
Automatic Electric Laboratories, Inc., assignee: *See*—
Jones, Roy W.
Avco Manufacturing Corporation, assignee: *See*—
Vutz, Wilhelm.
Ayers, Joseph W., Easton, Pa., assignor to Agrashell, Inc. Phonograph record molding compositions and records. 2,572,798, Oct. 23.

Bahr, Henry H., assignor to Guaranteed Buff Co., Inc., New York, N. Y. Wheel for buffing. 2,572,092, Oct. 23.

Bahr, Henry H., New York, and G. Becker, Queens Village, assignors to Guaranteed Buff Co., Inc., New York, N. Y. Buffing wheel structure. 2,572,093, Oct. 23.

Bailey, Benjamin F., Ann Arbor, Mich., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio. Directional signal and circuits therefor. 2,572,094, Oct. 23.

Bailey Meter Company, assignee: *See*—
Fellows, Frank H., and Weaver.
Hornfeck, Anthony J.

Baillie, Milton C., Fort McPherson, Ga. Automatically actuated illuminating means for containers provided with hinged closures. 2,572,095, Oct. 23.

Baker, Herbert F., assignor to General Motors Corporation, Detroit, Mich. Engine control mechanism. 2,572,096, Oct. 23.

Baker, Ronald A., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Prevention of corrosion in process of extracting mercaptans. 2,572,301, Oct. 23.

Bakker, Willem, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Separator. 2,572,097, Oct. 23.

Baldwin, Burr C., Twin Falls, Idaho. Sedimentation tank. 2,572,098, Oct. 23.

Ball, Jack: *See*—
Goldfield, Edwin R., and Ball.

Ballard, Seaver A.: *See*—
De Benedictis, Aldo, Ballard and Hearne.

Ballard, Seaver A., Orinda, K. E. Furman, Berkeley, and H. de V. Finch, El Cerrito, assignors to Shell Development Company, San Francisco, Calif. Carboxylic acids from mercaptans. 2,572,238, Oct. 23.

Balton, Herman, Bloomfield, assignor to Breeze Corporations Inc., Newark, N. J. Antenna structure. 2,572,430, Oct. 23.

Banigan, Thomas F., Jr.: *See*—
Meeks, James W., Banigan, and Planck.

Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. System and apparatus for gas storage. 2,572,799, Oct. 23.

Barber-Colman Company, assignee: *See*—
Greenlee, Theodore K.

Barber, Harold B., Missoula, Mont. Folding desk and table. 2,572,585, Oct. 23.

Barber, Merrill P., assignee: *See*—
Howard, Roy.

Barker Saw Company, assignee: *See*—
Smith, Albert P.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Method and apparatus for detecting flaws in rail or the like. 2,571,998, Oct. 23.

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Apparatus for detecting flaws. 2,571,999, Oct. 23.

Barney, Harold L., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit. 2,572,586, Oct. 23.

Barry, Arthur J., assignor to Dow Corning Corporation, Midland, Mich. Production of arylhalosilanes. 2,572,302, Oct. 23.

Bartleson, John D., East Cleveland, assignor to The Standard Oil Company, Cleveland, Ohio. Additives for hydrocarbon oils. 2,572,000, Oct. 23.

Bateman, Calvin A., Etna, Wyo. Grain trailer. 2,572,099, Oct. 23.

Bates, Beulah H., assignee: *See*—
Bates, Walter A.

Bates, Walter A., assignor to B. H. Bates, Joliet, Ill. Anchor for gratings. 2,572,431, Oct. 23.

Bates, Walter A., assignor to B. H. Bates, Joliet, Ill. Grating anchor. 2,572,432, Oct. 23.

Baxter, Joseph M.: *See*—
Booher, Ortis C., and Baxter.

Beardsmore, Frank: *See*—
Moneypenny, Harold K., Townend and Beardsmore.

Becker, George: *See*—
Bahr, Henry H., and Becker.

Beckham, Leland J., Chesterfield County, Va., assignor to Allied Chemical & Dye Corporation. Production of ammelide and ammeline. 2,572,587, Oct. 23.

Bedford, William A., Jr., North Scituate, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Blind assembly nut. 2,572,588, Oct. 23.

Bee Bee Shoe Co., assignee: *See*—
Cohen, Harold W., and Galper.

Beebie, Abel J., Plattsburg, N. Y. Ignition testing device. 2,572,303, Oct. 23.

Bell, Charles H., assignor to Gaumont Kalee Seating Limited, London, England. Seat cushion assembly. 2,572,589, Oct. 23.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Barney, Harold L.
Bowne, Langford J.
Carpenter, Warren W., and Vroom.
Curtis, Austen M.
Flint, Erlon W., and Joel.
Girtud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.
Glore, Robert F., and Schunke.
Goff, Harold W.

Bell Telephone Laboratories, Incorporated, assignee: *See*—Continued.
Haury, Paul T., and Wier.
Koch, Winston E.
Malthaner, William A.
Melick, John M.
Menzel, Paul R., and West.
Ruggles, David M.
Smith, Philip H.
Spencer, Harry H.
Taylor, Edmund R.
Watson, Edward F.
Wolfe, John E.
Young, William R., Jr.

Bellamy, Edward G., assignee: *See*—
Mitchell, Emery A.

Bender, Frank: *See*—
Mongell, John and C., and Bender.

Bendix Aviation Corporation, assignee: *See*—
Fisher, Gerald A.
Goepfrich, George A., and Rohn.
Konet, Henry.
Prather, Edwin E.

Bendix Aviation Corporation, assignee: *See*—
Price, Earl R.
Russell, James L.
Rylsky, Gregory V.
Stelzel, Roderick W.

Bennes, Charles D., Los Angeles, assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Method and apparatus for transferring picture layers from one film base to another. 2,572,001, Oct. 23.

Berger, Jack, Laurelton, assignor to Diesel Oil Burner Corp. of New York, Jamaica, N. Y. Boiler with adjacent interconnected separately fired boiler. 2,572,100, Oct. 23.

Bergstein, Frank D., Wyoming, Ohio. Box with overlapped end walls. 2,572,239, Oct. 23.

Bergstrom, Eric V., Short Hills, and G. J. Visconty, Clarksboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Continuous contact filtration. 2,572,433, Oct. 23.

Berington, Hubert P.: *See*—
Stebelton, Lloyd, E. W., and Berington.

Berl, Leo, assignor to Tennessee Products and Chemical Corporation, Chattanooga, Tenn. Photochemical formation of benzene hexachloride. 2,572,002, Oct. 23.

Beyer, Millard L., Hempstead, assignor to The International Postal Supply Company, Brooklyn, N. Y. Check feeding apparatus. 2,572,304, Oct. 23.

Binks, Melvin J.: *See*—
Durant, Lyndon A., and Binks.

Binns, Jack N., and T. E. Dugle, Cincinnati, and A. F. Alt, Hamilton County, assignors to The Mosler Safe Company, Hamilton, Ohio. Receipt issuing night depository. 2,572,003, Oct. 23.

Birtman Electric Company, assignee: *See*—
Sparklin, Charles H.

Bishop, Arthur E., Chatswood, near Sydney, New South Wales, Australia. Oscillation damper for full swiveling wheels. 2,572,589, Oct. 23.

Bixby, William H., assignor to D. R. Middleton and S. M. Hanley, doing business as Power Equipment Company, Detroit, Mich. Rectifying apparatus. 2,572,690, Oct. 23.

Björklund, Tore S., assignor to Lumalampan Aktiebolag, Stockholm, Sweden. Innsulation embedded ballast unit. 2,572,590, Oct. 23.

Black, James J., Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc. Prop mechanism for semitrailers. 2,572,240, Oct. 23.

Blaw-Knox Company, assignee: *See*—
Sarosdy, Louis J.

Bliss, Harvey N., Windsor, and H. B. Vroom, assignors to Veeder-Root Incorporated, Hartford, Conn. Recorder for collections. 2,572,241, Oct. 23.

Bloch, Leon, Cleveland, Ohio. Drain fitting for washbasins and the like. 2,572,101, Oct. 23.

Bloom, Mortimer C.: *See*—
Von Hippel, Arthur, Bloom, and Schulman.

Bloore, Ernest J., Brampton, Ontario, Canada. Loose-leaf binder. 2,572,305, Oct. 23.

Blum, Jack I., Philadelphia, Pa. Display rack. 2,572,434, Oct. 23.

Bobst, Henri, Lausanne, Switzerland. Registering device for use with machines handling punctured sheets. 2,572,691, Oct. 23.

Bodman, John W., Winchester, F. J. Squire, Milton, Mass., and G. W. Busby, Jr., Baltimore, Md., assignors to Lever Brothers Company, Cambridge, Mass. Centrifugal separation of kettle soap. 2,572,102, Oct. 23.

Bond, Willard H., Jr.: *See*—
Hoven, Alfred C., and Bond.

Booher, Ortis C., Huntington, and J. M. Baxter, Fort Wayne, Ind., assignors to Farnsworth Research Corporation. Record guide mechanism. 2,572,004, Oct. 23.

Booth, Earl C., Columbus, Ind., assignor to Arvin Industries, Inc. Metal chair. 2,572,591, Oct. 23.

Borden, Philip H., assignor to Central Industrial Corporation, Memphis, Tenn. Magazine type safety razor. 2,572,005, Oct. 23.

Borg, George W., Corporation, The, assignee: *See*—
Laing, Gordon G.

Borg-Warner Corporation, assignee: *See*—
Burtnett, Everett R.

Borst, Reginald P., Washington, D. C. Collar clasp. 2,572,103, Oct. 23.

Bottum, Edward W., assignor to Skuttle Manufacturing Company, Detroit, Mich. Float controlled humidifier valve. 2,572,692, Oct. 23.

Boucher, Percival L., Troon, Ayrshire, Scotland, and N. A. F. Rowntree, Newcastle-upon-Tyne, England, assignors to Glenfield and Kennedy Limited, Kilmarnock, Ayrshire, Scotland. Measuring and recording the filtrability of fluids. 2,572,436, Oct. 23.

Bowden (Engineers) Limited, assignee: *See*—
Melsom, Walter A.

Bowman, Ralph E.: *See*—
Garner, Philip J., and Bowman.

Bowne, Langford J., Saugerties, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange telephone system. 2,572,104, Oct. 23.

Boyle, Archibald R., assignor to Dobbie McInnes Limited, Glasgow, Scotland. Rotational viscometer. 2,572,693, Oct. 23.

Bozarth, Gwyln H., assignor to Fixtures Manufacturing Corporation, Kansas City, Mo. Stool base structure. 2,572,437, Oct. 23.

Brandt, Carl D.: *See*—
Dudley, John S., and Brandt.

Brandt, Carl S., Ithaca, N. Y., and J. W. Karsted, Washington, D. C. Drip channel for vehicles having convertible tops. 2,572,592, Oct. 23.

Branson, Charles D., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Filling corrugated vessels with rubber. 2,572,438, Oct. 23.

Breeze Corporations Inc., assignee: *See*—
Balton, Herman.

Brennan, James D., Bridgeport, Conn. Combined handle and brush wiper for paint cans. 2,572,694, Oct. 23.

Brewton, Lee, Melrose Park, assignor to Federated Machine Products Inc., Chicago, Ill. Traction supply device. 2,572,306, Oct. 23.

Briscoe, Earnest H., Columbus, G. A. Stone, Gahanna, and L. C. Tarlton, Reynoldsburg, assignors, by mesne assignments, to Briscoe Manufacturing Company, Columbus, Ohio. Electrical heating jacket for laboratory apparatus. 2,572,695, Oct. 23.

Briscoe Manufacturing Company, assignee: *See*—
Briscoe, Earnest H., Stone, and Tarlton.

Bronstein, Albert, Brooklyn, N. Y. Self-burnishing contact point. 2,572,105, Oct. 23.

Browder, Jay E.: *See*—
Young, Victor J., and Browder.

Brown, Cicero C., and F. F. Waltermire, Houston, Tex. Rotary drill stabilizer. 2,572,307, Oct. 23.

Brown, Cicero C., Houston, Tex. Orifice shoe for well pipes. 2,572,308, Oct. 23.

Brown, Cicero C., Houston, Tex. Cementing plug. 2,572,309, Oct. 23.

Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Apparatus for brazing fins to tubes. 2,572,593, Oct. 23.

Brown, Julian S., Jacksonville, Fla., assignor of one-half to S. W. Munroe, Los Angeles, Calif. Automotive transmission incorporating hydrodynamic coupling. 2,572,310, Oct. 23.

Brozier, Phil, Avella, Pa. Oscillating signal lamp. 2,572,439, Oct. 23.

Bruet, Henri R., Neuilly-sur-Seine, assignor of one-half to Etablissements A. Caseneuve, La Plaine-Saint-Denis (Seine), France. Safety device for protecting the dead centers of machine tools. 2,573,696, Oct. 23.

Brush, Corning S., assignor to Monnier Brothers, Inc., Algonac, Mich. Lubricator for air lines. 2,572,440, Oct. 23.

Bryant, Aloysius J., administrator: *See*—
Hultquist, Martin E., and Subbarow.

Buckner, Clarence R., Portland, Oreg. Holder for toothbrushes and paste tubes. 2,572,697, Oct. 23.

Budlane, Stanley J., assignor to Motorola, Inc., Chicago, Ill. Fuel valve device. 2,572,441, Oct. 23.

Bullard Clark Company, The, assignee: *See*—
Moe, J. Edgar.

Burchett, Donald, Olive Hill, Ky. Skew brick for kilns. 2,572,242, Oct. 23.

Burd, Francis W., Springfield, Mass. Moisture eliminating device for compressed-air systems. 2,572,311, Oct. 23.

Burge, James S., and D. E. Key, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Condenser assembling machine. 2,572,312, Oct. 23.

Burke, Harold J., New York, N. Y., assignor to C-O-Two Fire Equipment Company, Newark, N. J. Flexible handle large capacity horn. 2,572,006, Oct. 23.

Burnelli, Vincent J., Red Bank, N. J. Twin engine sport airplane. 2,572,442, Oct. 23.

Burns, Leslie L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Magnetostriction device. 2,572,313, Oct. 23.

Burrell, Frank C., assignor to General Motors Corporation, Detroit, Mich. Valve rotating device. 2,572,106, Oct. 23.

Burtnett, Everett R., Inglewood, Calif., assignor to Borg-Warner Corporation, Chicago, Ill. Variable-speed and torque transmission mechanism. 2,572,007, Oct. 23.

Busby, George W., Jr.: *See*—
Bodman, John W., Squire, and Busby.

Bushemi, Anthony J., Pittsburgh, Pa. Pneumatic tire. 2,572,594, Oct. 23.

Business Systems, Inc., assignee: *See*—
Crissy, Robert J.

Butin, Emile A., Villeurbanne, France. Shuttle changing mechanism. 2,572,107, Oct. 23.

Butler, Albert, assignor to Percy Hermant Limited, Toronto, Ontario, Canada. Cylinder lens lapping machine. 2,572,443, Oct. 23.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Mineral oil compositions containing the reaction product of polystyrene and an alkyl ester of an unsaturated acid. 2,572,557, Oct. 23.

Butler, John M., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Mineral oil containing alkylated polystyrene. 2,572,558, Oct. 23.

Butler, William F., Oakland, assignor to Cutter Laboratories, Berkeley, Calif. Flask support and connecting member. 2,572,314, Oct. 23.

C-O-Two Fire Equipment Co., assignee: *See*—
Cahusac, Clarence N., and Diehl.

C-O-Two Fire Equipment Company, assignee: *See*—
Burke, Harold J.

Cade, George N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrofluorination process. 2,572,595, Oct. 23

Cahoon, Nelson C.: *See*—
Zimmerman, Herman M., and Cahoon.

Cahusac, Clarence N., Newark, and D. A. Diehl, Arlington, assignors to C-O-Two Fire Equipment Co., Newark, N. J. Smoke detector and signal for diesel locomotives. 2,572,008, Oct. 23.

Cairns, Robert E., assignor to Shawinigan Resins Corporation, Springfield, Mass. Polyvinyl butyral product. 2,571,992, Oct. 23.

Calgon, Incorporated, assignee: *See*—
Liddell, Robert W., Jr.
Markson, Alfred A.

California Spray-Chemical Corporation, assignee: *See*—
Harris, Leonard W.

Campbell, John E., assignor to Polaroid Corporation, Cambridge, Mass. Dehydrohalogenated polyvinyl chloride polariser. 2,572,315, Oct. 23.

Campbell, Phillip: *See*—
Goodwin, John S., and Campbell.

Camras, Marvin, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology. Magazine type magnetic recording and reproducing device. 2,572,596, Oct. 23.

Candlin, James E., Jr.: *See*—
Murphy, Frank L., and Candlin.

Canfora, Arthur E., Brooklyn, N. Y., assignor to Radio Corporation of America. Fractional frequency divider. 2,572,698, Oct. 23.

Canning Machinery, Inc., assignee: *See*—
Hibbard, Schuyler M.

Cannon, Madison M., Jr., West Hartford, and J. S. Light, Simsbury, Conn., assignors to Emhart Manufacturing Company. Gas burner flame arrester. 2,572,445, Oct. 23.

Carden, Albert, Bell, Calif. Tool handle. 2,572,444, Oct. 23.

Carkhuff, Le Roy F., Morris, assignor to Shellmar Products Corporation, Chicago, Ill. Carton setup machine. 2,572,800, Oct. 23.

Carnahan, James E.: *See*—
Arnold, Herrick R., and Carnahan.

Carpenter, Warren W., Forest Hills, and E. Vroom, Ossining, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Charge and tax determining equipment for telephone systems. 2,572,699, Oct. 23.

Carrier, Joseph A.: *See*—
Kershaw, John G., and Carrier.

Carson, Clifford C., Washington, D. C. Air drying unit. 2,572,009, Oct. 23.

Carson, William W., Jr., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn. Bulb construction for thermostats. 2,572,446, Oct. 23.

Case, J. I., Company, assignee: *See*—
Davis, Fred H.

Casellini, Ezio T., assignor to Sylvania Electric Products Inc., Salem, Mass. Electrical rectifier. 2,572,801, Oct. 23.

Cashin, Frank J., Hempstead, N. Y., and H. W. Wolf, Hanover, Pa., assignors, by mesne assignments, to The DeFlores Company, Inc. Pressure applicator for plastic bindings of hard cased books. 2,572,243, Oct. 23.

Caterpillar Tractor Co., assignee: *See*—
Rosen, Carl G. A., Maxwell, Paul, and Furstoss.

Celanese Corporation of America, assignee: *See*—
Fortess, Fred, Rosenthal, and White.
Noether, Herman D., and Irany.

Central Industrial Corporation, assignee: *See*—
Borden, Philip H.

Central Stamping and Manufacturing Company, assignee: *See*—
Eichhols, Arthur H., and Samuelson.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Drinking fountain apparatus. 2,572,244, Oct. 23.

Chalhoub, Christian, Paris, France. Device for regulating the output voltage of an amplifier by means of thermosensitive resistances. 2,572,106, Oct. 23.

Chamberlain Corporation, assignee: *See*—
Etten, Nicholas L.

Chapman, Leland M., Bowling Green, and R. E. Whitney, Weston, Ohio, assignors to Deere & Company, Moline, Ill. Power-operated adjusting means for harvester reels. 2,572,700, Oct. 23.

Charlton, James, Parkwood, Johannesburg, Transvaal, Union of South Africa. Purification of effluent from distilleries. 2,572,447, Oct. 23.

Chatham Electronics Corporation, assignee: *See*—
Roudaut, Jean.

Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Pulse echo object locator. 2,572,010, Oct. 23.

Chausse, Wilfred G., Detroit, Mich. Portable steam generator. 2,572,317, Oct. 23.

Chicago Forging and Manufacturing Company, assignee: *See*—
Krause, Walter H.

Chicago Rawhide Manufacturing Company, assignee: *See*—
Agger, Jens.

Child, Everett S., Barrington, R. I., assignor to United States Rubber Company, New York, N. Y. Electrical connector having a resiliently biased automatic latch. 2,572,448, Oct. 23.

Chittum, James P., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Improving cellulose esters. 2,572,550, Oct. 23.

Chorneau, Samuel R., assignee: *See*—
Antolek, John.

Christiansen, Andrew L., Willowbrook, Calif. Fish splitting machine. 2,572,316, Oct. 23.

Church, Walter L., Houston, Tex. Pipe holding slip. 2,572,318, Oct. 23.

Cincinnati Lathe & Tool Co., The, assignee: *See*—
Ritter, Eugene L.

Cincinnati Milling Machine Co., The, assignee: *See*—
Plimmer, Alfred G., and Kistner.

Clark, Albert F.: *See*—
Shapiro, Abraham, and Clark.

Clark, George: *See*—
Wallace, Irving D., and Clark.

Clarke, Arthur W., deceased; by E. M. L. Clarke, executrix, New Westminster, British Columbia, Canada. Fishing reel. 2,572,319, Oct. 23.

Clarke, Edna M. L., executrix: *See*—
Clarke, Arthur W.

Clarostat Mfg. Co., Inc., assignee: *See*—
Muchnick, George J.

Cleveland Research Corporation, The, assignee: *See*—
Swenson, Paul F., and Pravda.

Cleveland Welding Company, The, assignee: *See*—
Mueller, Homer L.

Coates, Gilbert C., Redlands, Calif. Garden tractor. 2,572,109, Oct. 23.

Cohen, Harold W., and I. Galper, assignors to Bee Bee Shoe Co., Manchester, N. H. Shoemaking apparatus. 2,572,011, Oct. 23.

Coldiron, Harold A., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Finger held tape cutter. 2,572,245, Oct. 23.

Colgate-Palmolive-Peet Company, assignee: *See*—
Gebhart, Arthur I.

Colley, Russell S., Cuyahoga Falls, and H. E. Wilt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Expansible rivet assembly. 2,572,248, Oct. 23.

Collins Radio Company, assignee: *See*—
Pappenfus, Ernest W.

Columbus Dental Manufacturing Company, The, assignee: *See*—
O'Morrow, Ross E.

Commonwealth Plywood Company Limited, assignee: *See*—
Ambeault, Joseph X.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Elie, Maurice.

Connor, Thomas J., Lower Merion, Pa., assignor to General Electric Company. Porosity tester for coating materials. 2,572,597, Oct. 23.

Consoletti, Paul C., Milford, assignor to Draper Corporation, Hopedale, Mass. Shuttle guard. 2,572,111, Oct. 23.

Consolidated Western Steel Corporation, assignee: *See*—
Noll, Paul E., and Aller.

Container Corporation of America, assignee: *See*—
Kells, Benjamin F., and D'Esposito.

Conway, John, Minneapolis, Minn. Rake cleaner attachment. 2,572,247, Oct. 23.

Cook, Donald, Great Falls, Mont. Punchboard amusement device. 2,572,110, Oct. 23.

Cooper, Hugh S., Shaker Heights, assignor to W. M. Weil, Cleveland, Ohio. Electrolytic method of making boron. 2,572,248, Oct. 23.

Cooper, Hugh S., Shaker Heights, assignor to W. M. Weil, Cleveland, Ohio. Electrolytic production of elemental boron. 2,572,249, Oct. 23.

Coppe, Jerome T., Chicago, Ill. Sponge and squeegee cleaner. 2,572,112, Oct. 23.

Cor, Pierre: *See*—
Talet, Pierre A., and Cor.

Cornell Paperboard Products Co., assignee: *See*—
Edtmiller, Anthony G.

Corson, Ben B., and W. M. Kuts, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc. Preparation of cumene. 2,572,701, Oct. 23.

Cortright, Robert E., assignor to Eastman Kodak Company, Rochester, N. Y. Condensation pump. 2,572,449, Oct. 23.

Couch, Glenn F., Rochester, assignor to The Symington-Gould Corporation, Depew, N. Y. Railway truck axle box mounting. 2,572,113, Oct. 23.

Cox, Irvin W., West Allis, L. D. Drugmand, Greenfield, and R. E. Mekelburg, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Low impedance oscillator. 2,572,320, Oct. 23.

Crabtree, David, & Son Limited, assignee: *See*—
Felton, William.

Crabtree, John O., and C. G. Quick, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y. Mechanism for trimming multisheet printed products. 2,572,802, Oct. 23.

Cratsenberg, Charles C., assignor to Deere & Company, Moline, Ill. Disk polishing machine. 2,572,114, Oct. 23.

Creed and Company Limited, assignee: *See*—
Salmon, Reginald D.
Thompson, Alfred E.

Crissy, Robert J., Union, N. J., assignor to Business Systems, Inc., Philadelphia, Pa. Data copying machine. 2,572,450, Oct. 23.

Crucible Steel Company of America, assignee: *See*—
Payson, Peter.

Crump, Wallace M., Denver, Colo. Adjustable power take-off for automotive vehicles. 2,572,115, Oct. 23.

Culberston, James B.: *See*—
Erasmus, Hendrik de W., and Culberston.

Curtis, Arthur J., assignor of one-half to D. G. Robanske, Walla Walla, Wash. Semiautomatic electric nailer. 2,572,012, Oct. 23.

Curtis, Austen M., deceased, South Orange, by L. S. Curtis, executrix, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection. 2,572,598, Oct. 23.

Curtis, Lavalette S., executrix: *See*—
Curtis, Austen M.

Cushman, Walton W., Webb City, Mo. Chuck jaw gauge. 2,572,013, Oct. 23.

Custer, Warren A., Newton, Pa. Lighting means and systems for airplane landing runways. 2,572,451, Oct. 23.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W., Drugmand, and Mekelburg.

Cutler-Hammer, Inc.: *See*—
Richardson, Linwood T., and Swinehart.

Cutter Laboratories, assignee: *See*—
Butler, William F.

Daley, Robert E., Willoughby, assignor to The Ferro Engineering Company, Cleveland, Ohio. Sectional tapered bottom ring for hot tops. 2,572,452, Oct. 23.

Daly, Thomas A., Sharpsville, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Sectionalized torpedo. 2,572,116, Oct. 23.

Damrow Brothers Company, assignee: *See*—
Peters, Norman J.

Davenport, John F.: *See*—
Taylor, Robert J., and Davenport.

Davis, Fred H., Rock Island, Ill., assignor to J. I. Case Company, Racine, Wis. Oil pump assembly. 2,572,250, Oct. 23.

Davis, Henry M., State College, Pa., assignor to United States Steel Company. Cooling enameled steel after firing. 2,572,702, Oct. 23.

Deanesly, Richard M., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of fine powders from gel materials. 2,572,321, Oct. 23.

De Benedictis, Aldo, Berkeley, S. A. Ballard, Orinda, and G. W. Hearne, Lafayette, assignors to Shell Development Company, San Francisco, Calif. Hydrolysis of hydrocarbon halides. 2,572,251, Oct. 23.

Deere & Company, assignee: *See*—
Chapman, Leland M., and Whitney.
Cratsenberg, Charles C.
Morrison, Charles S.

Deere Manufacturing Co., assignee: *See*—
Edman, John H.

De Flores Company, Inc., The, assignee: *See*—
Cashin, Frank J., and Wolf.

De Goeij, Henricus J. A., Overveen, assignor, by mesne assignments, to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands. Apparatus for semi-automatically producing photographic type. 2,572,322, Oct. 23.

De la Source, Charles, Paris, assignor to Les Fils de Peugeot Freres, Valentigney (Doubs), France. Bench plane with adjustable bit carrier. 2,572,599, Oct. 23.

De Laval Separator Company, The, assignee: *See*—
Streaynski, George J.

Delor, Gaston C., deceased, assignor of one-half to Societe Nationale des Chemins de Fer Francais, Paris, France; F. E. M. Strahm, administrator of said G. C. Delor. Tool for applying binding strap to railroad sleepers. 2,572,323, Oct. 23.

Delrac Corporation, assignee: *See*—
Thomas, Beaumont.

Dempster, Arthur J., Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission. Mass spectrograph. 2,572,600, Oct. 23.

Dennis, George E., Raleigh, N. C. Dental bite matrix. 2,572,117, Oct. 23.

Dennis, Wallace L., Gadsden, Ala. Key chain with religious reminder attached thereto. 2,572,703, Oct. 23.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber for railway car trucks. 2,572,453, Oct. 23.

De Rosa, Louis A., Bloomfield, assignor to Federal Telephone and Radio Corporation, Newark, N. J. Radio-echo distance indicator including vernier means. 2,572,014, Oct. 23.

Desorbay, Germaine M. H., Paris, France. Nitric acid-sodium hydroxide digestion of lignocellulose. 2,571,993, Oct. 23.

D'Esposito, Julian C.: *See*—
Kells, Benjamin F., and D'Esposito.

Devanney, Raymond H., Berlin, assignor to Veeder-Root Incorporated, Hartford, Conn. Counter. 2,572,015, Oct. 23.

De Wilde, Andrew A., New York, N. Y. Spinning device for earring screw clamps. 2,572,601, Oct. 23.

Dewrance & Company Limited, assignee: *See*—
Hunter, Richard H., and Seeds.

Dickson, John, Huntington Woods, assignor to General Motors Corporation, Detroit, Mich. Fuel injector. 2,572,118, Oct. 23.

Diehl, Donald A.: *See*—
Cahusac, Clarence N., and Diehl.

Dieke, Gerhard H., Baltimore, Md. Electrical system using photomultiplier tubes for spectrographic analysis. 2,572,119, Oct. 23.

Diesel Oil Burner Corp. of New York, assignee: *See*—
Berger, Jack.

Dietrich, Marjorie J., assignee: *See*—
Hanson, Oscar.

Dilks, James J., Haddon Heights, N. J. Picture viewing device. 2,572,602, Oct. 23.

Dixon, Fate A., assignor of one-fourth to N. May and one-fourth to M. May, Durham, N. C. Ventilated table. 2,572,120, Oct. 23.

Dobbie, McInnes, Limited, assignee: *See*—
Boyle, Archibald B.

Doggett, Leo W.: *See*—
Thompson, Ernest H., and Doggett.

Dole Valve Company, The, assignee: *See*—
Chace, Thomas B.

Dominion Textile Company Limited, assignee: *See*—
Kershaw, John G., and Carrier.

Dosberg, Harry E., Eggertsville, assignor to Ilac Products Corporation, Buffalo, N. Y. Apparatus for dispensing towels. 2,572,121, Oct. 23.

Doughnut Corporation of America, assignee: *See*—
Walsh, James F., Levitt, and Goodman.

Dow Chemical Company, The, assignee: *See*—
Sarge, Theodore W., and Schaefer.

Dow Corning Corporation, assignee: *See*—
Barry, Arthur J.
Speier, John L., Jr.
Warrick, Earl L.

Down, James W., and D. R. Miller, Washington, D. C., said Miller assignor to said Down. Apparatus for displaying pictorial representations. 2,572,454, Oct. 23.

Draper Corporation, assignee: *See*—
Consoletti, Paul C.

Dreisbach, Robert H.: *See*—
Nelson, Frank H., and Dreisbach.

Drotning, Edgar A.: *See*—
Kekien, Ben, and Drotning.

Drugmand, Lester D.: *See*—
Cox, Irvin W., Drugmand, and Mekelburg.

Duddy, Joseph C., Philadelphia, Pa., assignor to The Electric Storage Battery Company. Storage battery construction. 2,572,324, Oct. 23.

Dudley, Frank E., Philadelphia, Pa. Indoor television antenna mounting. 2,572,603, Oct. 23.

Dudley, John S., Douglas, and C. D. Brandt, assignors to Whitin Machine Works, Whitinsville, Mass. Comber. 2,572,122, Oct. 23

Dufay-Chromex Limited, assignee: *See*—
White, Desmond D., and Osborn.
White, Desmond D., Osborn, and Reich.

Dugle, Thomas E.: *See*—
Binns, Jack N., Dugle, and Alt.

Duman, Louis R., assignee: *See*—
Epstein, Hirsch.

Du Mont, Allen B., Laboratories, Inc., assignee: *See*—
Amos, Bernard.

Duncan, Frank L.: *See*—
Slinkard, William C., and Duncan.

Dunn, Ulysses S., Chicago, Ill. Transformer. 2,572,455, Oct. 23.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Arnold, Herrick R., and Carnahan.
Fawcett, Frank S., and Howk.
Hunt, Madison.
Mooney, Thomas J.

Durant, Lyndon A., and M. J. Binks, assignors to Republic Patent Corporation, Chicago, Ill. Simulated bowling game apparatus. 2,572,456, Oct. 23.

Dyer, John W.: *See*—
Short, Brooks H., and Dyer.

Eastman Kodak Company, assignee: *See*—
Cortright, Robert E.

Eaton, Dewitt: *See*—
Grove, William R.

Edgerton, Arthur H., Rocky River, assignor to H. D. Laidley, Cleveland, Ohio. Bottle-capping machine. 2,572,704, Oct. 23.

Edison, Thomas A., Incorporated, assignee: *See*—
Kelly, Frederick G.
La Forest, Louis Z.
Zar, Jacob L.

Edman, John H., assignor to Deere Manufacturing Co., Dubuque, Iowa. Fluid control valve with selective float position. 2,572,705, Oct. 23.

Edmonds, James T.: *See*—
Hillyer, John C., and Edmonds.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edtmiller, Anthony G., Milwaukee, Wis., assignor to Cornell Paperboard Products Co. Self-erecting carton. 2,572,123, Oct. 23.

Eichholz, Arthur H., and H. Samuelson, assignors to Central Stamping and Manufacturing Company, Chicago, Ill. Box lid support. 2,572,706, Oct. 23.

Eichner, Ferdinand R., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Window construction. 2,572,124, Oct. 23.

Ekco Products Company, assignee: *See*—
Zimmer, Myron J.

Elbourn, Roland W., Southall, assignor to Electric & Musical Industries Limited, Hayes, England. Thermionic valve circuits. 2,572,016, Oct. 23.

Electric Auto-Lite Company, The, assignee: *See*—
Bailey, Benjamin F.

Electric & Musical Industries Limited, assignee: *See*—
Elbourn, Roland W.
McGee, James D.
White, Eric L. C.

Electric Storage Battery Company, The: *See*—
Duddy, Joseph C.

Electrolux Corporation, assignee: *See*—
Kowalewski, John J.
Poole, Foy M., and Foye.

Elie, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Pulse generator. 2,572,707, Oct. 23.

Elliott, Stanley B., Shaker Heights, and R. J. O'Hara, Maple Heights, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Stabilized solutions of metallic salts. 2,572,803, Oct. 23.

Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America, as represented by the Secretary of the Army. Dry battery cell. 2,572,017, Oct. 23.

Ellis, Joseph F., Danbury, Conn. Fur carroting machine. 2,572,125, Oct. 23.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparing 2-thenyl alcohols. 2,572,708, Oct. 23.

Emerson, William S., and T. M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Thenalmalononitriles. 2,572,709, Oct. 23.

Emerson, William S., and T. C. Shafer, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of terephthalic acid. 2,572,710, Oct. 23.

Emhart Manufacturing Company, assignee: *See*—
Cannon, Madison M., Jr., and Light.

Endo Products, Inc., assignee: *See*—
Schoen, Karl.

Englander Company, Inc., The, assignee: *See*—
Margiloff, Henry.

Epstein, Hirsch, assignor of one-half to L. R. Duman, Chicago, Ill. Transformer clamp. 2,572,457, Oct. 23.

Erasmus, Hendrik de W., Lewiston, and J. B. Culbertson, Lockport, N. Y., assignors to Union Carbide and Carbon Corporation. Paint compositions. 2,572,252, Oct. 23.

Ericsson, Nils, assignee: *See*—
Hellkvist, Alf O.

Ernst, Earl A., Bakersfield, Calif. Conveyer organization for positioning and transporting articles. 2,572,325, Oct. 23.

Etablissements A. Cazeneuve, assignee: *See*—
Bruet, Henri R.

Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer. 2,572,604, Oct. 23.

Eustis, Warner, Newton, assignor to The Kendall Company, Boston, Mass. Pressure-sensitive adhesive tape. 2,572,458, Oct. 23.

Eustis, Warner, Newton, assignor to The Kendall Company, Boston, Mass. Adhesive tape. 2,572,459, Oct. 23.

Evans, Mervyn C., Stanmore, near Sydney, New South Wales, Australia. Circular saw guard. 2,572,326, Oct. 23.

Evans, Raymond N., Reserve, assignor to Godchaux Sugars, Inc., New Orleans, La. Recovery of aconitic acid from aconitate salt. 2,572,018, Oct. 23.

Fairley, Frank: *See*—
Jacobsen, Bent B., and Fairley.

Falk, Gerhard E. A., Hamburg, Germany. Folding maps and the like. 2,572,460, Oct. 23.

Falone, Angelo C., Northfield, and R. H. Alschuler, Glencoe, Ill. Trouser waistband fastening means. 2,572,126, Oct. 23.

Farnsworth Research Corporation, assignee: *See*—
Booher, Ortis C., and Baxter.
Goodwin, Vernon, Jr.

Fawcett, Frank S., and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic process for alkylating aromatic compounds using a metal molybdite catalyst. 2,572,019, Oct. 23.

Federal Telephone and Radio Corporation, assignee: *See*—
De Rosa, Louis A.
Horwitz, Henry L.
Preisman, Albert.
Von Hippel, Arthur, Bloom, and Schulman.
Wallace, Fred C.

Federated Machine Products Inc., assignee: *See*—
Brewton, Lee.

Fellows, Frank H., Cleveland, and H. E. Weaver, South Euclid, Ohio, assignors to Bailey Meter Company. Flow and temperature responsive fluid conditioning system. 2,572,253, Oct. 23.

Felton, William, assignor to David Crabtree & Son Limited, Bradford, England. Spool-gripper carpet loom. 2,572,327, Oct. 23.

Ferro Enamel Corporation, assignee: *See*—
Elliott, Stanley B., and O'Hara.

Ferro Engineering Company, The, assignee: *See*—
Daley, Robert E.

Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Machine and method of making ice or the like. 2,572,328, Oct. 23.

Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,572,127, Oct. 23.

Fierle, Toni C., Detroit, Mich. Portable anti-insect shelter. 2,572,461, Oct. 23.

Finch, Harry D.: *See*—
Ballard, Seaver A., Furman and Finch.

Finch, William G. H., Newtown, Conn., assignor, by mesne assignments, to Pierce Company, Providence, R. I. Driving mechanism for electrolytic facsimile recorders. 2,572,462, Oct. 23.

Fincke, John K., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Sulfonation of organic compounds. 2,572,605, Oct. 23.

Fine, William, Hampton, Va. Bathtub. 2,572,463, Oct. 23.

Fischer, Ruth M., assignee: *See*—
Fischer, William V.

Fischer, William V., Akron, Ohio, assignor to R. M. Fischer. Air compressor. 2,572,711, Oct. 23.

Fisher, Berne N., Roselle, assignor to General Instrument Corporation, Elizabeth, N. J. Dual purpose pickup assembly and relief member therefor. 2,572,712, Oct. 23.

Fisher, Gerald A., assignor to Bendix Aviation Corporation, South Bend, Ind. Burner nozzle. 2,572,606, Oct. 23.

Fixture Hardware Corporation, The, assignee: *See*—
Keil, Henry P.

Fixtures Manufacturing Corporation, assignee: *See*—
Bozarth, Gwylm H.

Flakice Corporation, assignee: *See*—
Field, Crosby.

Flint, Erlon W., Mountain View, N. J., and A. E. Joel, Jr., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic accounting device. 2,572,804, Oct. 23.

Floyd, Don E., Robbinsdale, Minn., assignor to General Mills, Inc. Dialkyl-delta-acylaminobutylmalonate and preparing same. 2,572,020, Oct. 23.

Flynt, Augustus M., Sr., Savannah, Ga. Expansion device for flues of asphalt heating stills. 2,572,713, Oct. 23.

Folberth, William M., Cleveland, Ohio. Respirator. 2,572,254, Oct. 23.

Folz, Arthur F., United States Navy. Bearing surface. 2,572,021, Oct. 23.

Fortess, Fred, Summit, A. J. Rosenthal, Madison, and B. B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y. Concentration of organic acids. 2,572,128, Oct. 23.

Foster, Annie: *See*—
Foster, Arthur H., and A.

Foster, Arthur H., and A. Foster, Winnipeg, Manitoba, Canada. Vacuum cap lifter and bottle opener. 2,572,607, Oct. 23.

Foster, Clyde C., Decatur, Ill. Room deodorizer. 2,572,329, Oct. 23.

Foster, Norman M.: *See*—
Howle, Ernest O., Jackson, and Foster.

Foye, John J., Jr.: *See*—
Poole, Foy M., and Foye.

Francesco, John P., Haverhill, Mass., now by judicial change of name John Patsy Francis. Locking rivet. 2,572,022, Oct. 23.

Francis, John Patsy: *See*—
Francesco, John P.

Fraser, Andrew: *See*—
Anderson, John, and Fraser.

Freez-Seal Equipment Company Limited, assignee: *See*—
Young, Thomas N.

Freitas, Douglas F., San Francisco, Calif. Device for cleaning bowling balls. 2,572,464, Oct. 23.

Fritz, Dwain E., Shaker Heights, assignor to Jack & Heintz, Inc., Cleveland, Ohio. Automatically variable resistance electrical device. 2,572,330, Oct. 23.

Fuehrer, George H., Phillipsburg, N. J., and C. W. Hosking, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y. Cushioning device. 2,572,465, Oct. 23.

Fuller, Almel, Hawthorne, Calif. Lock for vehicle doors. 2,572,129, Oct. 23.

Fuller Brush Company, The, assignee: *See*—
Le Febvre, Alfred L.

Funderburg, Isaac M., Jr., Crossett, Ark. Artificial denture. 2,572,714, Oct. 23.

Funderburg, Joe D., Los Angeles, and B. P. Heinmiller, Glendale, assignors to Gille Bros., Hollywood, Calif. High-frequency tuning device. 2,572,130, Oct. 23.

Furman, Kenneth E.: *See*—
Ballard, Seaver A., Furman and Finch.

Furstoss, Ralph J.: *See*—
Rosen, Carl G. A., Maxwell, Paul and Furstoss.

G. W. B. Electric Furnaces Limited, assignee: *See*—
Tatem, John A.

Gabor, William, Milton, Mass. Artificial fish bait. 2,572,608, Oct. 23.

Gallaugher, Francis V., Lake Charles, La. Multiple compartment refrigerator. 2,572,715, Oct. 23.

Gallaway, Roy L., Laurel, Miss., assignor to The Texas Company, New York, N. Y. Seismic survey system for submerged areas. 2,572,255, Oct. 23.

Galloway, Edwin J., assignor to Neenah Milk Products Company, Neenah, Wis. Strainer. 2,572,131, Oct. 23.

Galper, Isa: *See*—
Cohen, Harold W., and Galper.

Gardiner, Lawrence J., Bridgeport, Conn. Dispensing cap for collapsible tubes, having spring-biased outlet element actuated by pressure of tube contents. 2,572,466, Oct. 23.

Garner, Philip J., Hooten, Wirral, and R. E. Bowman, Little Chalfont, England, assignors to Shell Development Company, San Francisco, Calif. Transparent urea-aldehyde type resins and producing the same. 2,572,256, Oct. 23.

Gaumont Kalee Seating Limited, assignee: *See*—
Bell, Charles H.

Gaylord Container Corporation, assignee: *See*—
George, Walter C.

Gebbart, Arthur L., Union, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Concentration and recovery of carotenoid pigments from palm oil. 2,572,467, Oct. 23.

Gebhardt, Charles W.: *See*—
Hood, Richard P., and Gebhardt.

Gemex Company, assignee: *See*—
Prestinari, Eugen.

General Aniline & Film Corporation, assignee: *See*—
Jelinek, Charles F.

General Aniline & Film Corporation, assignee: *See*—
Smith, Carl M.
Willcox, Frederick P.

General Controls Co., assignee: *See*—
Matteson, Harold J.
Ray, William A.

General Electric Company, assignee: *See*—
Connor, Thomas J.
Harrington, Richards H.
Lennox, George C.
Lincks, George F.
Mittag, Albert H.
Roberts, William H.
Skipper, Edward M.
Turton, Cecil B.

General Instrument Corporation, assignee: *See*—
Fisher, Berne N.

General Mills, Inc., assignee: *See*—
Aelony, David.
Floyd, Don E.
Jordan, Wesley A., and Herban.
Wittcoff, Harold, and Roach.

General Motors Corporation, assignee: *See*—
Baker, Herbert F.
Burge, James S., and Key.
Burrell, Frank C.
Dickson, John.
Eichner, Ferdinand R.
Minix, William A.
Olson, Theodore A.
Short, Brooks H., and Dyer.
Valentine, Kenneth B.

General Railway Signal Company, assignee: *See*—
Field, Oscar S., and Wight.

General Tire and Rubber Company, The, assignee: *See*—
Kelly, John H., Jr., and Glassco.
Swart, Gilbert H.

George, Walter C., assignor to Gaylord Container Corporation, St. Louis, Mo. Apparatus for and process of forming single-faced corrugated board. 2,572,716, Oct. 23.

Gerner, Eugene G., Mundelein, and W. H. Gerner, Chicago, Ill. Sheet metal panel. 2,572,257, Oct. 23.

Gerner, William H.: *See*—
Gerner, Eugene G. and W. H.

Gersten, Mortimer A., New York, N. Y. Cabinet door construction. 2,572,717, Oct. 23.

Gibson, Horace N., St. Paul, Minn. Camera tripod. 2,572,468, Oct. 23.

Gierwiatowski, Olgierd, assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,572,609, Oct. 23.

Gifford, Allen G., Harborcreek, assignor to Lord Manufacturing Company, Erie, Pa. Friction drive. 2,572,718, Oct. 23.

Gilbert, Jack A., Long Beach, N. Y. Carton and carton blank. 2,572,610, Oct. 23.

Gille Bros., assignee: *See*—
Funderburg, Joe D., and Heinmiller.

Gillessen, Fred, Milan, Italy. Sanitary and hygienic girdle. 2,572,331, Oct. 23.

Gimmler, Raymond W., New York, N. Y. Bedstead. 2,572,469, Oct. 23.

Ginell, Anny M.: *See*—
Ginell, Robert and A. M.

Ginell, Robert and A. M., Jersey City, N. J. Plastic article and method of treatment. 2,572,719, Oct. 23.

Giroud, Henry A., New York, N. Y., G. C. Irwin, Fair Haven, and L. A. Kille, Morristown, N. J., J. B. Retallack, New York, G. Riggs, Port Washington, N. Y., and W. B. Strickler, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transcribing and summarizing system. 2,572,132, Oct. 23.

Glassco, Rosalind M.: *See*—
Kelly, John H., Jr., and Glassco.

Gledhill, Eric G. B.: *See*—
Young, Thomas N., and Gledhill.

Glenfield and Kennedy Limited, assignee: *See*—
Boucher, Percival L., and Rowntree.

Glenn, Thomas C., Berea, Ohio. Roller skate truck construction. 2,572,133, Oct. 23.

Gliwa, Michael, Chicago, Ill. Airplane rudder. 2,572,134, Oct. 23.

Glore, Robert F., Scotch Plains, and K. H. Schunke, North Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Internal pipe cutter. 2,572,611, Oct. 23.

Gluesenkamp, Earl W., Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Porous composition made with substituted carbamyl amino acid as blowing agent. 2,572,568, Oct. 23.

Godchaux Sugars, Inc., assignee: *See*—
Evans, Raymond N.

Goepfrich, George A., and W. C. Rohn, assignors to Bendix Aviation Corporation, South Bend, Ind. Automatic gun charger. 2,572,612, Oct. 23.

Goff, Harold W., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Setscrew. 2,572,613, Oct. 23.

Goldfield, Edwin R., University Heights, and J. Ball, assignors to Picker X-ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. X-ray tube safety device. 2,572,258, Oct. 23.

Gonsalves, Conrad J., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Apparatus for twisting threads. 2,572,135, Oct. 23.

Goode, Milton J., assignee: *See*—
Rowland, Charles H.

Goodhue, Lyle D.: *See*—
Tissol, Carolyn E., and Goodhue.

Goodman, Abraham H.: *See*—
Walsh, James F., Levitt, and Goodman.

Goodman, Virginius H., Richmond, Va. Ornamental valance unit. 2,572,720, Oct. 23.

Goodrich, B. F., Company, The, assignee: *See*—
Colley, Russell S., and Wilt.
Woodard, Harry W.

Goodwin, John S., and P. Campbell, Whittier, Calif. Apparatus for determining the angular positions of objects in wells. 2,572,332, Oct. 23.

Goodwin, Vernon, Jr., Fort Wayne, Ind., assignor to Farnsworth Research Corporation. Coaxial control knob. 2,572,023, Oct. 23.

Gordon, Jack C., assignor to Allen Industries, Inc., Detroit, Mich. Grid and waffle design rug cushion. 2,572,470, Oct. 23.

Goss Printing Press Company, The, assignee: *See*—
Worthington, Emory W.

Gottschall, Marcia, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. White side wall tire. 2,572,259. Oct. 23.

Gouirand, Rene, New York, N. Y. Valve. 2,572,471, Oct. 23.

Gould, William F.: *See*—
Terry, Victor J., Hargreaves, and Gould.

Graflex, Inc., assignee: *See*—
Panosian, James S.

Green, John D. F.: *See*—
Jackson, Donald, and Green.

Greendale, Arlene J., Chicago, Ill. Maternity garment. 2,572,614, Oct. 23.

Greenlee, Theodore K., assignor to Barber-Colman Company, Rockford, Ill. Multiple temperature control system. 2,572,136, Oct. 23.

Greitzer, Meyer, Beverly Hills, Calif. Supplementary slide table top for tables. 2,572,333, Oct. 23.

Grieder, Fred, Bowling Green, Ohio. Tube severing machine. 2,572,137, Oct. 23.

Griffin, Roger L., Marblehead, assignor to A. C. Lawrence Leather Company, Peabody, Mass. Conveyer unloading apparatus. 2,572,472, Oct. 23.

Griset, Ernest J., Jr., Asheville, assignor to American Enka Corporation, Enka, N. C. Threading ring twisting machines. 2,572,138, Oct. 23.

Grove, William B., Laurel, assignor to D. Eaton, Sarasota, Fla. Plant propagation. 2,572,473, Oct. 23.

Groves, Merton L.: *See*—
Hipp, Norbert J., Groves, and McMeekin.

Guaranteed Buff Co., Inc., assignee: *See*—
Bahr, Henry H.
Bahr, Henry H., and Becker.

Guest Keen & Nettlefolds Limited, assignee: *See*—
Moneypenny, Harold K., Townend, and Beardsmore.

Guibert, Francis W., Los Angeles, Calif. Gearing utilizing detachable gear teeth. 2,572,334, Oct. 23.

Guth, Edwin F., Florissant, Mo. Built-in lighting fixture with adjustable spotlight. 2,572,825, Oct. 23.

Haefner, Sylvester J., New London, and R. H. Smith, Oakdale, Conn. Device for generating multiple signals of different frequencies. 2,572,024, Oct. 23.

Hafke, Arthur, Detroit, assignor to Pent Electric Company, Grand Rapids, Mich. Electric switch structure. 2,572,335, Oct. 23

Hagemo, Ingvald J.: *See*—
Vasler, Larry I., and Hagemo.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Synthetic traveler and [illegible]572,140, Oct. 23.

Hall, Albert E., [illegible]milton, Wash. Loading boom construction. 2,572,336, Oct. 23.

Hall, Harry, Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Piston for internal-combustion engines. 2,572,260, Oct. 23.

Hall, Stanley A., Vancouver, British Columbia, Canada. Phonograph reproducing device. 2,572,139, Oct. 23.

Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of acrylonitrile and quaternary ammonium salts containing polymerizable vinyl substituents. 2,572,560, Oct. 23.

Ham, George E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Copolymers of acrylonitrile and quaternary ammonium salts containing polymerizable allyl or methallyl substituents. 2,572,561, Oct. 23.

Hamilton, Bertis F., Columbus, Ind. Collapsible table with lock means for paired legs. 2,572,474, Oct. 23.

Hamner, Paul Z., Iowa Park, assignor of one-half to W. D. Keith, Wichita Falls, Tex. Well recording mechanism. 2,572,025, Oct. 23.

Hanley, Stanley M., assignee: *See*—
Bixby, William H.

Hansen, Knut L., Antioch, Calif. Safety device for bathtubs. 2,572,615, Oct. 23.

Hansen, William A., Seattle, Wash. Fish lure hook up. 2,572,616, Oct. 23.

Hanson, Bernice E., assignee: *See*—
Hanson, Oscar.

Hanson, Edmond C., assignee: *See*—
Hanson, Oscar.

Hanson, Harold H., assignee: *See*—
Hanson, Oscar.

Hanson, Oscar, Portland, Oreg., assignor of four-sixths to H. H. and E. C. Hanson, Flaxville, Mont., B. E. Hanson, Portland, Oreg., M. J. Dietrich, Pasco, and D. W. Ley, Kennewick, Wash., jointly, one-sixth to E. J. Hyche and one-sixth to N. B. Ludowese, Portland, Oreg. Safety cigarette lighter for motor vehicles. 2,572,475, Oct. 23.

Harbison, Lawrence E., Berkeley, Calif. Plunger-type fountain pen. 2,572,476, Oct. 23.

Harden, Harvey E., Prescott, Ariz. Grille guard for automobiles. 2,572,477, Oct. 23.

Hardey, Edwin F., Kansas City, Mo. Razor blade holder. 2,572,261, Oct. 23.

Hargreaves, Thomas F. S.: *See*—
Terry, Victor J., Hargreaves, and Gould.

Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Aluminum alloy. 2,572,562, Oct. 23.

Harris, Jay C., Dayton, Ohio, and M. Kosmin, Los Angeles, Calif., assignors to Monsanto Chemical Company. Detergent composition. 2,572,805, Oct. 23.

Harris, John S., Richmond Heights, assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of tetraethyl pyrophosphate. 2,572,806, Oct. 23.

Harris, John W., assignee: *See*—
Mitchell, Emery A.

Harris, Leonard W., assignor to California Spray-Chemical Corporation, Richmond, Calif. Condensation of aldehydes. 2,572,141, Oct. 23.

Harris, William B., Bell, Calif. Electric water heater. 2,572,337, Oct. 23.

Hartenbach, Henry C., Jr., St. Louis County, Mo. Carpet rinsing apparatus. 2,572,142, Oct. 23.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Hugenholtz, Eduard H.

Hartwig, Karl T., G. Ellyn, and T. B. Haufe, Western Springs, assignors to Universal Oil Products Company, Chicago, Ill. Autothermic cracking reactor. 2,572,338, Oct. 23.

Hatt, Kermit R., Woburn, Mass. Combination leader, trolling spinner, and fishhook. 2,572,721, Oct. 23.

Haufe, Ted B.: *See*—
Hartwig, Karl T., and Haufe.

Haufenan, Axel W., assignee: *See*—
Hellkvist, Alf O.

Haury, Paul T., Raritan Township, Middlesex County, and A. J. Wier, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Maintenance bracket. 2,572,617, Oct. 23.

Haury, Paul T., Raritan Township, Middlesex County, and A. J. Wier, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Maintenance bracket. 2,572,618, Oct. 23.

Hawkins, John H., Los Angeles, Calif. Cord reel attachment for telephones. 2,572,478, Oct. 23.

Hayden, Ernest A.: *See*—
Stone, Albert F., and Hayden.

Haseltine Research, Inc., assignee: *See*—
Hirsch, Charles J.

Haselton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Thread-cutting device. 2,572,143, Oct. 23.

Healy, Donald V., Gardiner, N. Y. Automatic rate of speed-change signal system. 2,572,144, Oct. 23.

Hearne, George W.: *See*—
De Benedictis, Aldo, Ballard, and Hearne.

Heer, Benjamin F., La Crosse, Wis. Aircraft with adjustable glide control channels. 2,572,147, Oct. 23.

Heinmiller, Burton P.: *See*—
Funderburg, Joe D., and Heinmiller.

Hellkvist, Alf O., Stockholm, assignor of thirty per cent to N. Eriksson, Vagnharad, and thirty per cent to A. W. Haufenan, Stockholm, Sweden. Spring-actuated clothespin. 2,572,619, Oct. 23.

Helm, Helen, assignee: *See*—
Helm, Robert.

Helm, Robert, Palo Alto, Calif., assignor by decree of distribution to H. Helm. Vibration actuated transfer device. 2,572,339, Oct. 23.

Hendrickson, Severin B., Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Cushioned and hinged seat structure. 2,572,145, Oct. 23.

Henry, Earle G., Wilmette, assignor to R. T. Moloney, Chicago, Ill. Target with irregular motion. 2,572,146, Oct. 23.

Herban, Melvin S.: *See*—
Jordan, Wesley A., and Herban.

Hercules Powder Company, assignee: *See*—
Klug, Eugene D., and Tennent.

Hermant, Percy, Limited, assignee: *See*—
Butler, Albert.

Hertz, George, Washington, D. C. Covering device. 2,572,722, Oct. 23.

Hess, William F., Providence, R. I. Flexible chain construction. 2,572,620, Oct. 23.

Hester, Dwight H., Chicago, Ill. Photographic print drying and mounting apparatus. 2,572,148, Oct. 23.

Heywood-Wakefield Company, assignee: *See*—
Hendrickson, Severin B.

Hibbard, Schuyler M., Macedon, assignor to Canning Machinery, Inc., Rochester, N. Y. Machine and method for reaming food products. 2,572,262, Oct. 23.

Hicks, Clair, assignee: *See*—
Andrews, Howard D.

Hildestad, Harold L., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Combustion apparatus provided with a flame-holding assembly. 2,572,723, Oct. 23.

Hillyer, John C., and J. T. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Aromatic compositions and treating lactone material to prepare them. 2,572,563, Oct. 23.

Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Preparation of alkyl thiocyanates. 2,572,564, Oct. 23.

Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Tertiary-alkylsulfenyl thiocyanates. 2,572,565, Oct. 23.

Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of 3,4-dihydroxytetrahydrofuran. 2,572,566, Oct. 23.

Himel, Chester M., Palo Alto, Calif., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Organic sulfenyl thiocyanates. 2,572,567, Oct. 23.

Hind, Alfred L.: *See*—
Hind, Thomas F., and A. L.

Hind, Sylvia, assignee: *See*—
Hind, Thomas F. and A. L.

Hind, Thomas F. and A. L., assignors to S. Hind, Pen Mar, Pa. Wheel chair attachment. 2,572,149, Oct. 23.

Hinds, George P., Jr., Pasadena, W. K. Meerbott, and G. J. Reno, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif. Propylene tetramer production. 2,572,724, Oct. 23.

Hipp, Norbert J., Wyndmoor, M. L. Groves, Philadelphia, and T. L. McMeekin, Glenside, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Separation of alpha-casein from whole casein. 2,572,026, Oct. 23.

Hirsch, Charles J., Douglaston, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill. Path-indicating system for mobile craft. 2,572,725, Oct. 23.

Hobbs, John W.: *See*—
Woodcock, Charles A., Womack, and Hobbs.

Hobbs, John W., Corporation, assignee: *See*—
Woodcock, Charles A., Womack, and Hobbs.

Hobson, Richard P., Longview, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa. Electrically controlled valve means. 2,572,621, Oct. 23.

Hockenhull, Joseph A., Currie, Minn. Driftable wind propelled fishing line carrier. 2,572,340, Oct. 23.

Hoe, R., & Co. Inc., assignee: *See*—
Crabtree, John O., and Quick.

Hoelscher, William G., assignor to The American Tool Works Company, Cincinnati, Ohio. Lathe spindle speed control mechanism. 2,572,479, Oct. 23.

Hofer, David L., Berkeley, Calif. Suction dredge relief valve system. 2,572,263, Oct. 23.

Hoffman, Roscoe C., Detroit, Mich. Transmission. 2,572,480, Oct. 23.

Hoffman, William E., Los Angeles, Calif. Trailer hitch. 2,572,341, Oct. 23.

Hoffmann-La Roche Inc., assignee: *See*—
Urban, René.

Hollander Metal Products Corporation, assignee: *See*—
Hollander, Seymour I.

Hollander, Seymour I., Fairfield, assignor to Hollander Metal Products Corporation, Bridgeport, Conn. Yieldable connection device for belt buckles. 2,572,726, Oct. 23.

Hollinshead, William H., St. Paul, Minn. Snap switch. 2,572,622, Oct. 23.

Hood, Richard P., London, and C. W. Gebhardt, Springfield, assignors to The Williams Company, London, Ohio. Steel wool pad. 2,572,150, Oct. 23.

Hook, Leah V., Middletown, Ohio. Paintbrush press. 2,572,807, Oct. 23.

Hoppe, Boris, Kew Gardens, N. Y. Storing and serving device by means of which food may be warmed and/or cooked. 2,572,151, Oct. 23.

Hoppenstand, David, Pittsburgh, Pa. Boat structure. 2,572,623, Oct. 23.

Horlacher, Heinrich, Lutzenberg, Switzerland. Splayfoot bandage. 2,572,152, Oct. 23.

Horn Brothers, assignee: *See*—
Horn, Walter J.

Horn, Walter J., assignor to Horn Brothers, Fort Dodge, Iowa. Aligning means for folding partitions. 2,572,153, Oct. 23.

Hornfeck, Anthony J., Lyndhurst, Ohio, assignor to Bailey Meter Company. Telemetric system. 2,572,481, Oct. 23.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield washer. 2,572,264, Oct. 23.

Horton, Erwin C., Hamburg, and R. V. Schaal, East Aurora, assignors to Trico Products Corporation, Buffalo, N. Y. Shaft mounting for fluid motors. 2,572,727, Oct. 23.

Horwitz, Henry L., Jamaica, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Relay set-subscriber's lockout circuit. 2,572,027, Oct. 23.

Hosking, Charles W.: *See*—
Fuehrer, George H., and Hosking.

Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Hoven, Alfred C., and W. H. Bond, Jr., assignors to American Seating Company, Grand Rapids, Mich. Vehicle chair. 2,572,482, Oct. 23.

Howard, Kenneth L., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Substituted ethylenediamines and preparation of the same. 2,572,569, Oct. 23.

Howard, Roy, assignor of thirty-three and one-third per cent to M. P. Barber, Vero Beach, Fla. Threshold. 2,572,154, Oct. 23.

Howk, Benjamin W.: *See*—
Fawcett, Frank S., and Howk.

Howle, Ernest O., Chicago, Ill. Expanding perlite. 2,572,483, Oct. 23.

Howle, Ernest O., and R. W. Jackson, Chicago, Ill., and N. M. Foster, New Castle, Ind., said Jackson and said Foster assignors to said Howle. Apparatus for expanding perlite and the like. 2,572,484, Oct. 23.

Hoyt, Robert H., Converse, Ind. Vial for use in artificial insemination. 2,572,155, Oct. 23.

Huett, James C., Dallas, Tex. Aircraft mudguard. 2,572,342, Oct. 23.

Hugenholtz, Eduard H., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Automatic synchronisation of oscillators. 2,572,343, Oct. 23.

Hultquist, Martin E., Bound Brook, N. J., and Yellapragada SubbaRow, deceased, Pearl River, by A. J. Bryant, administrator, South Nyack, assignors to American Cyanamid Company, New York, N. Y. Hydroxybenzenesulfonamidopyrazines and preparation of same. 2,572,728, Oct. 23.

Hume, Horace D.: *See*—
Scheidenhelm, Earl L., and Hume.

Hunt, Madison, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrasodisulfonate-positive halogen oxidising agent systems for polymerisation initiation. 2,572,028, Oct. 23.

Hunter, Richard H., Coulsdon, and C. G. Seeds, assignors to Dewrance & Company Limited, London, England. Valve repairing machine. 2,572,485, Oct. 23.

Huston, William M., Lima, Ohio. Load handling machine. 2,572,029, Oct. 23.

Hyche, E. J., assignee: *See*—
Hanson, Oscar.

Ilac Products Corporation, assignee: *See*—
Dosberg, Harry E.

Impact Mixing Corporation, assignee: *See*—
Sommer, Albert.

Imperial Chemical Industries Limited, assignee: *See*—
Zenftman, Henryk, and McLean.

Ingersoll-Rand Company, assignee: *See*—
Fuehrer, George H., and Hosking.

Interchemical Corporation, assignee: *See*—
Kinne, Clifton B.
Whysmuslo, Paul J.

International Business Machines Corporation, assignee: *See*—
McCoy, Ralph E.

International Postal Supply Company, The, assignee: *See*—
Beyer, Millard L.

International Standard Electric Corporation, assignee: *See*—
Chatterjea, Prafulla K., and Houghton.
Jacobsen, Bent B., and Fairley.
Pheazey, John R.
Terry, Victor J., Hargreaves, and Gould.

Irany, Ernest P.: *See*—
Noether, Herman D., and Irany.

Irwin, Gordon C.: *See*—
Giroud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.

Isaac, Bailey L., Norton, Va. Container and cover therefor. 2,572,486, Oct. 23.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

J & J Tool & Machine Co., assignee: *See*—
Junkunc, Bela B.

Jack & Heintz, Inc., assignee: *See*—
Fritz, Dwain E.

Jackson, Donald, and J. D. F. Green, assignors to Pye Limited, Cambridge, England. Television camera focusing mechanism. 2,572,729, Oct. 23.

Jackson, Donald R., Wyandotte, W. K. Langdon, and T. H. Vaughn, Grosse Ile, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Removal of inorganic sulfates from alkali metal benzenesulfonate and its homologues. 2,572,344, Oct. 23.

Jackson, Elwood F., Ludlow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Dielectric with N,N'-1-3 dimorpholino isopropanol as scavenger. 2,572,808, Oct. 23.

Jackson, Roger W.: *See*—
Howle, Ernest O., Jackson, and Foster.

Jackson, Rupert F., Cleveland, Ohio. Manually operated impact tool. 2,572,487, Oct. 23.

Jacobsen, Bent B., and F. Fairley, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Failure alarm arrangements in multi-channel carrier current communication system. 2,572,030, Oct. 23.

Jacobus, Herbert R., Jr., White Plains, assignor to Sonotone Corporation, Elmsford, N. Y. Electrode and envelope assembly for multielectrode space discharge devices. 2,572,031, Oct. 23.

Jacobus, Herbert R., Jr., White Plains, and H. L. Lipschultz, New York, assignors to Sonotone Corporation, Elmsford, N. Y. Electrode and envelope assembly for multielectrode space discharge devices. 2,572,032, Oct. 23.

Jagersberger, Adolf, Saint Gilgen, Austria. Apparatus for the measurement of temperature by color comparison. 2,572,488, Oct. 23.

Jaggi, Lewis F., and A. D. Shearer, Dayton, Ohio. Receiving system. 2,572,033, Oct. 23.

Janes, Ralph, Duffield, England, assignor to Rolls-Royce Limited, Derby, England. Abstracting hot gas from the exhausts of gas-turbine engines. 2,572,346, Oct. 23.

Janhunen, Matti, Helsinki, Finland. Mixer for lightweight concrete. 2,572,345, Oct. 23.

Jelinek, Charles F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of amides. 2,572,809, Oct. 23.

Jelinek, Charles F., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Production of amides. 2,572,810, Oct. 23.

Jenkins, Francis A., Berkeley, Calif., assignor to the United States of America, as represented by the United States Atomic Energy Commission. Producing uranium hexachloride. 2,572,156, Oct. 23.

Jeter, Killis W., Sr., and V. A. D. Shreffler, Barnsdall, Okla. Sanitary knife rack. 2,572,624, Oct. 23.

Joel, Amos E., Jr.: *See*—
Flint, Erlon W., and Joel.

Johnson, Everett A., Park Ridge, Ill. Dispensing roller device. 2,572,034, Oct. 23.

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Balancing device. 2,572,265, Oct. 23.

Johnson, Glen A., Tenino, Wash. Portable yarding and cutoff swing-saw. 2,572,347, Oct. 23.

Johnson, Lee D., Almont, Mich. Portable pallet mounting structure. 2,572,348, Oct. 23.

Johnson, Tomlinson F., Atlanta, Ga. Arc extinguishing attachment for airbreak switches. 2,572,625, Oct. 23.

Jones, Lucille P. and R. W., Flint, Mich. Gas tank lock. 2,572,730, Oct. 23.

Jones, Robert W.: *See*—
Jones, Lucille P. and R. W.

Jones, Roy W., Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. All-relay telephone system having twelve lines grouped in three groups of four each. 2,572,266, Oct. 23.

Jordan, James F., Huntington Park, Calif. Refining tower. 2,572,489, Oct. 23.

Jordan, Wesley A., and M. S. Herban, Minneapolis, Minn., assignors to General Mills, Inc. Plastic tall oil rosin fraction. 2,572,035, Oct. 23.

Jullien, Pierre J. L., Roubaix, France. Calculating machine. 2,572,811, Oct. 23.

Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J & J Tool & Machine Co., Chicago, Ill. Facia board. 2,572,036, Oct. 23.

Junkunc, Joseph G., assignee: *See*—
Junkunc, Bela B.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Austin, Leslie W.

Kanter, Charles, assignee: *See*—
Schluter, Bernard C.

Kaplan, Julius, Springfield, Mass. Combination sleeping bag and blanket. 2,572,490, Oct. 23.

Kaplan, Robert, Detroit, Mich. Golf ball cleaner. 2,572,349, Oct. 23.

Karsted, Jessie W.: *See*—
Brandt, Carl S., and Karsted.

Kaufman, Harry S., San Diego, Calif. Coin operated electric iron. 2,572,350, Oct. 23.

Kay, Leopold M., New York, assignor to Air King Products Co. Inc., Brooklyn, N. Y. Combination radio-wire recorder. 2,572,157, Oct. 23.

Keating, John H., assignor to Monarch Aluminum Mfg. Company, Cleveland, Ohio. Pouring castings. 2,572,037, Oct. 23.

Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.

Keil, Henry P., assignor to The Fixture Hardware Corporation, Chicago, Ill. Moistening means for duplicating apparatus. 2,572,158, Oct. 23.

Keilwitz, William L., Idaho Springs, Colo. Fireplace damper. 2,572,491, Oct. 23.

Keith, Arthur R., Oakland, Calif. Book and copyholder. 2,572,731, Oct. 23.

Keith, Wayland D., assignee: *See*—
Hamner, Paul Z.

Keklen, Ben, and E. A. Drotning, Seattle, Wash., said Drotning assignor to said Keklen. Sectional field shelter. 2,572,732, Oct. 23.

Kells, Benjamin F., Mount Prospect, and J. C. D'Esposito, assignors to Container Corporation of America, Chicago, Ill. Tuck end container. 2,572,159, Oct. 23.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Dynamometer system. 2,572,626, Oct. 23.

Kelly, John H., Jr., and R. M. Glasseo, Wabash, Ind., assignors to The General Tire and Rubber Company, Akron, Ohio. Vibration absorbing bushing. 2,572,160, Oct. 23.

Kelly, Lawrence C., Alhambra, Calif. Hand massaging device. 2,572,627, Oct. 23.

Kempf, Karl F. W., assignor to McKaig-Hatch Inc., Buffalo, N. Y. Making adjustable jaw wrenches. 2,572,492, Oct. 23.

Kendall Company, The, assignee: *See*—
Eustis, Warner.

Kershaw, John G., and J. A. Carrier, assignors to Dominion Textile Company Limited, Montreal, Quebec, Canada. Size consistency control. 2,572,351, Oct. 23.

Ketchum, William R., Maricopa County, Ariz. Method and apparatus for extracting juice from citrus pulp. 2,572,352, Oct. 23.

Key, Don E.: *See*—
Burge, James S., and Key.

Kilgore, Otis H., Santa Ana, Calif. Water bag holder. 2,572,383, Oct. 23.

Kille, Lindley A.: *See*—
Giroud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.

Kimball, James R., assignee: *See*—
Simmons, Howard A.

King, Floyd C., Walled Lake, Mich. Fishing reel. 2,572,354, Oct. 23.

Kinne, Clifton B., Needham, Mass., assignor to Interchemical Corporation, New York, N. Y. Trigger circuits. 2,572,038, Oct. 23.

Kints, Earl E., Bratenahl Village, Ohio. Rack. 2,572,355, Oct. 23.

Király, Endre, Ujpest, Hungary, assignor to D. D. Sekely, Ann Arbor, Mich. Indexing head. 2,572,161, Oct. 23.

Kistner, Frederick J.: *See*—
Plimmer, Alfred G., and Kistner.

Klassen, Ralph J., Lompoc, and E. M. Olsen, Avenal, Calif. Dump bailer. 2,572,493, Oct. 23.

Klug, Eugene D., and H. G. Tennent, assignors to Hercules Powder Company, Wilmington, Del. Manufacture of cellulose ethers. 2,572,039, Oct. 23.

Kock, Winston E., Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave-guide transmission system. 2,572,628, Oct. 23.

Koenig, H. G., assignee: *See*—
Speer, Joseph G.

Koioll, Herman F., assignor of one-half to L. I. Schmidt, Milwaukee, Wis. Container cover. 2,572,629, Oct. 23.

Komet, Henry, Paramus, assignor to Bendix Aviation Corporation, Teterboro, N. J. Gyro erecting means. 2,572,733, Oct. 23.

Koons, John C., assignor to The Magnavox Company, Fort Wayne, Ind. Thermoelectric timer motor. 2,572,162, Oct. 23.

Koppers Company, Inc., assignee: *See*—
Corson, Ben B., and Kutz.

Koretz, Harry: *See*—
Schneider, Harold B., and Koretz.

Kosmin, Milton: *See*—
Harris, Jay C., and Kosmin.

Kosmin, Milton, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Diaminodiphenylsulfone derivatives. 2,572,570, Oct. 23.

Kowalewski, John J., Bronx, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Apparatus for shaping materials. 2,572,267, Oct. 23.

Kral, Joseph, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastening device. 2,572,812, Oct. 23.

Kramer, Burt B., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of carbon black from high-boiling aromatic oils or tars. 2,572,734, Oct. 23.

Krause, Walter H., assignor, by mesne assignments, to Chicago Forging and Manufacturing Company, Chicago, Ill. Latch mechanism. 2,572,630, Oct. 23.

Krieger, Gardner L., and G. A. Morton, Princeton, N. J., assignors to Radio Corporation of America. Velocity selection in electron tubes. 2,572,494, Oct. 23.

Krieger, Willard: *See*—
Able, Edward T., and Krieger.

Krueger, Frank A., Shawano, Wis. Reversible heating and cooling system. 2,572,356, Oct. 23.

Kugel, Harry H., assignor to National Organ Supply Company, Erie, Pa. Film holder. 2,572,735, Oct. 23.

Kuljian, Harry A., Merion, Pa. Apparatus for manufacture of thread. 2,572,268, Oct. 23.

Kurham, Maurice, Brookline, Mass. Novelty basket. 2,572,631, Oct. 23.

Kurs, Fred, assignor to Sangamo Electric Co., Springfield, Ill. Synchronous motor. 2,572,632, Oct. 23.

Kutz, Walter M.: *See*—
Corson, Ben B., and Kutz.

Labbe, Roland A., Thermopolis, Wyo. Massage chair. 2,572,040, Oct. 23.

La Forest, Louis Z., Parsippany-Troy Hills Township, Morris County, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic translating device for recording and reproducing. 2,572,495, Oct. 23.

Laidley, Harold D., assignee: *See*—
Edgerton, Arthur H.

Laing, Gordon F., Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Brake for fishing reels. 2,572,496, Oct. 23.

Lamb, Wade, Detroit, Mich., assignor to Radiant Heater Corporation, New York, N. Y. Dish drying and warming tray. 2,572,163, Oct. 23.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Photographic product comprising a fluid processing agent and apparatus for use in connection therewith. 2,572,357, Oct. 23.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Multilayer photographic film unit containing a liquid and having one layer movable with respect to another layer. 2,572,358, Oct. 23.

Landis Tool Company, assignee: *See*—
Price, Ralph E.

Langdon, William K.: *See*—
Jackson, Donald B., Langdon, and Vaughn.

Lanning, William C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prevention of solid deposits in Fischer-Tropsch plant lines. 2,572,633, Oct. 23.

Lapin Products, Inc., assignee: *See*—
Rosenheim, David.

Laporte, Marie K., Arlington County, Va. Combined cover and illuminating means for telephones. 2,572,089, Oct. 23.

Laporte, Marie K., Arlington, Va. Telephone shell and signal light. 2,572,814, Oct. 23.

Laporte, Marie K., Arlington, Va. Illuminating attachment for telephones. 2,572,815, Oct. 23.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Making fine mesh silica screens. 2,572,497, Oct. 23.

Lawbaugh, Albert L., Maywood, Calif. Combination heat exchanger and reservoir for various media liquids or gases. 2,572,736, Oct. 23.

Lawrence, A. C., Leather Company, assignee: *See*—
Griffin, Roger L.

Lawrence, Ray V.: *See*—
St. Clair, William E., and Lawrence.

Leahy, James F.: *See*—
Ashley, John W., and Leahy.

Le Blond, R. K., Machine Tool Company, The, assignee: *See*—
Luning, George W.

Le Febvre, Alfred L., Windsor, assignor to The Fuller Brush Company, Hartford, Conn. Brushmaking machine. 2,572,498, Oct. 23.

Lehmann, Emil, West Englewood, assignor to White Metal Manufacturing Company, Hoboken, N. J. Collapsible tube handling apparatus. 2,572,164, Oct. 23.

Lehner, Hans, Kirchberg, Switzerland. Filing cabinet. 2,572,737, Oct. 23.

Lehrman, Leo A., assignor to American Steel Foundries, Chicago, Ill. Snubbed bolster truck. 2,572,634, Oct. 23.

Lennox, George C., Salem, Mass., assignor to General Electric Company. Sewing machine. 2,572,635, Oct. 23.

Leonard, Charles H.: *See*—
Oas, Carl B., and Leonard.

Les Fils de Peugeot Freres, assignee: *See*—
De la Source, Charles.

Leskovec, Frank A.: *See*—
Smith, Merton, and Leskovec.

Le Tourneau, R. G., Inc. assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill. Self-propelled logging arch. 2,572,636, Oct. 23.

Lever Brothers Company, assignee: *See*—
Bodman, John W., Squire, and Busby.

Levitt, David M.: *See*—
Walsh, James F., Levitt, and Goodman.

Ley, Delores W., assignee: *See*—
Hanson, Oscar.

Liddell, Robert W., Jr., Bethel Township, Allegheny County, assignor to Calgon, Incorporated, Pittsburgh, Pa. Making glassy phosphate compositions. 2,572,359, Oct. 23.

Light, Frank J., Sandusky, Mich. Grapple. 2,572,499, Oct. 23.

Light, John S.: *See*—
Cannon, Madison M., Jr., and Light.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Electrical protective device for distribution lines. 2,572,637, Oct. 23.

Link-Belt Company, assignee: *See*—
Pierce, Harold S.

Lipschultz, Harold L.: *See*—
Jacobus, Herbert R., Jr., and Lipschultz.

Litchford, George B., and J. Lyman, Huntington, N. Y., assignors to The Sperry Corporation. Selective azimuth signaling system. 2,572,041, Oct. 23.

Locki, John N., St. Louis, Mo. Floating hoist. 2,572,165, Oct. 23.

Logan, Roland F., Los Angeles, Calif. Injury pad. 2,572,360, Oct. 23.

Longley, Raymond I., Jr.: *See*—
Shafer Theodore C., and Longley.

Loos, Marie, Fort Wayne, Ind. Eye shield. 2,572,638, Oct. 23.

Lord Manufacturing Company, assignee: *See*—
Gifford, Allen G.

Lorusso, Daniel J., Westboro, Mass. Antenna system for television. 2,572,166, Oct. 23.

Lovegrove, Henry J., and M. G. McBride, Enfield, Middlesex, England, assignors to Sangamo Electric Company, Springfield, Ill. Temperature compensated moving coil instrument. 2,572,639, Oct. 23.

Lovegrove, Irving S., Providence, R. I. Vacuum film holder. 2,572,640, Oct. 23.

Lovinggood, Martin G., Odessa, Tex. Hand crimper. 2,572,738, Oct. 23.

Lowe, John C., Jr., Youngwood, Pa. Catchup dispenser. 2,572,167, Oct. 23.

Lucas, Joseph, Limited, assignee: *See*—
Righton, Joseph J.

Ludowese, N. B., assignee: *See*—
Hanson, Oscar.

Lumalampan Aktiebolag, assignee: *See*—
Björklund, Tore S.

Luning, George W., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Lathe cross-feed indicating dial. 2,572,361, Oct. 23.

Lyman, Joseph: *See*—
Litchford, George B., and Lyman.

MacIsaac, John T., Jr.: *See*—
Truslow, Grover C., and MacIsaac.

Madsen, Aksel A., Ejby, Denmark. Folding chair. 2,572,739, Oct. 23.

Magnavox Company, The, assignee: *See*—
Koons, John C.
Nelson, Frank H., and Dreisbach.

Mahler, Benjamin B., Newark, N. J. Photographic easel. 2,572,168, Oct. 23.

Maier, Wellington W., Mio, Mich. Making matrices for simulated log structures. 2,572,269, Oct. 23.

Main, Robert C., Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company. Safety control and ignition system for fuel burners. 2,572,500, Oct. 23.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Control mechanism for fluid pressure operated systems. 2,572,270, Oct. 23.

Mallory, Marion, Detroit, Mich. Carburetor. 2,572,169, Oct. 23.

Malthaner, William A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Private branch exchange telephone system. 2,572,740, Oct. 23.

Manley, Charles, Shamokin, Pa. Wound dressing. 2,572,641, Oct. 23.

Margiloff, Henry, Laurelton, N. Y., assignor to The Englander Company, Inc., Chicago, Ill. Foldable bed frame. 2,572,642, Oct. 23.

Markson, Alfred A., Mount Lebanon Township, Allegheny County, assignor to Calgon Incorporated, Pittsburgh, Pa. Making phosphate glass compositions. 2,572,362, Oct. 23.

Marling, Paul E., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilized vinyl chloride resins. 2,572,571, Oct. 23.

Maroney, Clair F.: *See*—
Weiss, Daniel I., Maroney, and McGrew.

Marshall Field and Company, assignee: *See*—
Truslow, Grover C. and MacIsaac.

Martin, Charles A., Buffalo, N. Y. Mounting cutting blades on shafts. 2,572,042, Oct. 23.

Mason, Scott: *See*—
Ashley, Kenneth D., and Mason.

Matter, Peter A., Millersburg, Pa., assignor to United Shoe Machinery Corporation, Flemington, N. J. Work grooving knife for shoe sole sewing machines. 2,572,170, Oct. 23.

Matteson, Harold J., assignor to General Controls Co., Glendale, Calif. Refrigerant control system. 2,572,501, Oct. 23.

Maull, Perry E., Ridley Park, Pa. Clothespin. 2,572,643, Oct. 23.

Mavor & Coulson, Limited, assignee: *See*—
Anderson, John, and Fraser.

Maxon, Ira D.: *See*—
Sklovsky, Max, and Maxon.

Maxwell, Carl R.: *See*—
Rosen, Carl G. A., Maxwell, Paul, and Furatoss.

Maxwell, John, Elizabeth, N. J. Locating tool. 2,572,502, Oct. 23.

May, Mike, assignee: *See*—
Dixon, Fate A.

May, Ned, assignee: *See*—
Dixon, Fate A.

Mayer, Julius M., and G. J. Snedden, assignors to Peerless Products, Inc., Kansas City, Mo. Window awning. 2,572,363, Oct. 23

McBride, Maurice G.: *See*—
Lovegrove, Henry J., and McBride.

McCabe-Powers Auto Body Co., assignee: *See*—
Smith, Merton.
Smith, Merton, and Leskovec.

McCarthy, Thomas O., and W. W. Thomas, U. S. Navy. Electrical transmission system. 2,572,044, Oct. 23.

McCauley, Paul R., Kansas City, Mo. Motor driven honing and stropping device for razors. 2,572,271, Oct. 23.

McClement, Louise Y.: *See*—
Monroe, Robert C., and McClement.

McConnell Sales and Engineering Corporation, assignee: *See*—
Taylor, Robert J., and Davenport.

McCoy, James H., Chicago, Ill., assignor to O K Specialty Co., Inc. Stock-bar feed for machine tools. 2,572,741, Oct. 23.

McCoy, Ralph E., New Smyrna Beach, Fla., assignor to International Business Machines Corporation, New York, N. Y. Automatic grinding machine. 2,572,364, Oct. 23.

McCullough, Eli D., Kansas City, Mo. Adjustable gate. 2,572,171, Oct. 23.

McCusker, John H., Dallas, Pa., assignor to Native Laces & Textiles, Incorporated, New York, N. Y. Coacting endless belt conveyer. 2,572,172, Oct. 23.

McElhannon, Raymond J., Flushing, N. Y., assignor to the United States of America as represented by the Secretary of War. Blind landing system. 2,572,043, Oct. 23.

McFarlin, Kirk, Short Hills, N. J. Strainer. 2,572,173, Oct. 23.

McFetters, Ernest J., Greensboro, N. C. Loom reed. 2,572,365, Oct. 23.

McGee, James D., London, assignor to Electric & Musical Industries Limited, Hayes, England. Electron discharge tube. 2,572,644, Oct. 23.

McGough, Earl J., Costa Mesa, Calif. Clamp for building forms. 2,572,366, Oct. 23.

McGrew, Ralph W.: *See*—
Weiss, Daniel I., Maroney, and McGrew.

McKaig-Hatch Inc., assignee: *See*—
Kempf, Karl F. W.

McKee Door Company, assignee: *See*—
Vaughn, Joseph J.

McKenzie, Milton W., Abilene, Tex. Display card holder for parking meters. 2,572,174, Oct. 23.

McLagan, Russell G., Cincinnati, assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Press timer. 2,572,272, Oct. 23.

McLean, Andrew: *See*—
Zenftman, Henryk, and McLean.

McLean, William B., Moon Township, Allegheny County, Pa. Antiskid tire chain. 2,572,045, Oct. 23.

McMeekin, Thomas L.: *See*—
Hipp, Norbert J., Groves, and McMeekin.

McPherson, Hal W., Chicago, Ill., assignor, by mesne assignments, to The Skinner Chuck Company. Valve operator. 2,572,175, Oct. 23.

Meeks, James W., and T. F. Banigan, Jr., Salinas, Calif., and R. W. Planck, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Recovering parthenyl cinnamate and essential oils from guayule resin. 2,572,046, Oct. 23.

Meerbott, William K.: *See*—
Hinds, George P., Jr., Meerbott, and Reno.

Mekelburg, Raymond E.: *See*—
Cox, Irvin W., Drugmand, and Mekelburg.

Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Key equipped telephone set. 2,572,503, Oct. 23.

Melsom, Walter A., Wembley, assignor to Bowden (Engineers) Limited, London, England. Flexible hose coupling. 2,572,645, Oct. 23.

Menzel, Paul R., Queens Village, and J. W. West, Jackson Heights, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Apparatus for high-frequency heating and sealing fixtures. 2,572,646, Oct. 23.

Meriwether, Lonnie, Mount Carmel, Ill. Lever actuated drum tone modulator. 2,572,504, Oct. 23.

Merwin, Frederick H., assignor to Milford Rivet and Machine Company, Milford, Conn. Self-threading fastener. 2,572,647, Oct. 23.

Metallizing Engineering Co. Inc., assignee: *See*—
Wilson, Charles K.

Middleton, Donald R., assignee: *See*—
Bixby, William H.

Mihalyi, Frank, St. Louis, Mo. Air gun automatic safety device. 2,572,176, Oct. 23.

Milford Rivet and Machine Company, assignee: *See*—
Merwin, Frederick H.

Miller, Archie C., Ramsey, Ill. Emergency brake operated switch. 2,572,742, Oct. 23.

Miller, Avy L., North Hollywood, and P. Woolley, South Pasadena, assignors to Mission Appliance Corporation, Los Angeles, Calif. Sheet metal gas burner with internal fuel distributor. 2,572,273, Oct. 23.

Miller, Avy L., North Hollywood, assignor to Mission Appliance Corporation, Los Angeles, Calif. Combination main and pilot valve. 2,572,274, Oct. 23.

Miller, Daniel R.: *See*—
Down, James W., and Miller.

Miller, Edwin A., Fairfield, Conn. Mercury-to-mercury double contact switch. 2,572,505, Oct. 23.

Millmather, Ernest, Jr., Johnston, R. I. Surface ornamentation. 2,572,275, Oct. 23.

Mills, John C., Wolverhampton, England. Apparatus for use in the treatment of articles. 2,572,743, Oct. 23.

Mills, William L., Waco, Tex. Safety razor. 2,572,367, Oct. 23.

Miner, W. H., Inc., assignee: *See*—
Dentler, Arnold E.

Minix, William A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Pneumatic gauge for plain and tapered bores. 2,572,368, Oct. 23.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Wild, Rudolf F.
Wilson, John M., Nickells, and Smith.

Mission Appliance Corporation, assignee: *See*—
Miller, Avy L.
Miller, Avy L., and Woolley.

Mitchell, Emery A., assignor of one-quarter to E. G. Bellamy and one-quarter to J. W. Harris, Richmond, Calif. Tire gauge installation. 2,572,369, Oct. 23.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating system. 2,572,648, Oct. 23.

Moe, J. Edgar, assignor to The Bullard Clark Company, Danielson, Conn. Resilient roller. 2,572,276, Oct. 23.

Moeller, Constand A., Orange, assignor to United Aircraft Corporation, East Hartford, Conn. Blind flying indicator for rotary wing aircraft. 2,572,649, Oct. 23.

Moeller, George J., Altadena, Calif., assignor to A. Oberholtz, Los Angeles, Calif. Slide percussion tool. 2,572,370, Oct. 23.

Mogensen, Fredrik K., Djursholm, Sweden. Classifying or separating comminuted material according to size. 2,572,177, Oct. 23.

Molins, Desmond W., assignor to Molins Machine Company Limited, London, England. Apparatus for collecting cigarettes from cigarette-making machines. 2,572,650, Oct. 23.

Molins Machine Company Limited, assignee: *See*—
Molins, Desmond W.

Mollring, Gilman B., Los Angeles, Calif. Binary asphaltic particles. 2,572,744, Oct. 23.

Moloney, Raymond T., assignee: *See*—
Henry, Earle G.

Monarch Aluminum Mfg. Company, assignee: *See*—
Keating, John H.

Moneypenny, Harold K., Codsall, G. H. Townend, Bilbrook, Wolverhampton, and F. Beardsmore, Brierley Hill, assignors to Guest Keen & Nettlefolds Limited, London, England. Deflecting switch means for chutes. 2,572,745, Oct. 23.

Mongelli, Charles: *See*—
Mongelli, John and C., and Bender.

Mongelli, John and C., and F. Bender, Washington, D. C. Lathe and motor mount. 2,572,506, Oct. 23.

Monnier Brothers, Inc., assignee: *See*—
Brush, Corning S.

Monroe, Robert C., and L. Y. McClement, New York, N. Y. Cleaning device of the releasable swab type. 2,572,178, Oct. 23.

Monsanto Chemical Company, assignee: *See*—
Butler, John M.
Emerson, William S., and Patrick.
Emerson, William S., and Shafer.
Fincke, John K.
Gluesenkamp, Earl W.
Ham, George E.
Harris, Jay C., and Kosmin.
Harris, John S.
Jackson, Elwood F.
Kosmin, Milton.
Marling, Paul E.
Mowry, David T., and Seymour.
Schlesinger, Arthur H., and Mowry.
Shafer, Theodore C., and Longley.
Trail, Henry S.

Montgomery, James T., Overton, Tex. Power control switch for pumping wells. 2,572,372, Oct. 23.

Mooney, Thomas J., Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of furan derivative.

Moore, Alan E.: *See*—
Robson, William S., and Moore.

Moore, Robert C. Erdenheim, assignor to Philco Corporation, Philadelphia, Pa. Peak leveling circuit. 2,572,179, Oct. 23.

Moritz, Adrian J. L., assignor to American Enka Corporation, Enka, N. C. Thread-advancing reel. 2,572,181, Oct. 23.

Morrison, Charles S., assignor to Deere & Company, Moline, Ill. Feeding mechanism for balers and like machines. 2,572,180, Oct. 23.

Morton, George A.: *See*—
Krieger, Gardner L., and Morton.

Mosler Safe Company, The, assignee: *See*—
Binns, Jack N., Dugie, and Alt.

Motorola, Inc., assignee: *See*—
Budlane, Stanley J.
Wallin, Gus W.

Mougel, Morton W., Middletown, N. Y. Ear muff arrangement for caps. 2,572,746, Oct. 23.

Mowry, David T.: *See*—
Schlesinger, Arthur H., and Mowry.

Mowry, David T., and R. B. Seymour, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Ar-cyclohexylstyrene and polymer thereof. 2,572,572, Oct. 23.

Mucher, George J., Rochester, assignor to Clarostat Mfg. Co., Inc., Dover, N. H. Control. 2,572,651, Oct. 23.

Mueller, Erwin H., Grosse Pointe, Mich. Valve for controlling fuel gas. 2,572,507, Oct. 23.

Mueller, Herman G., Erie, assignor, by mesne assignments, to Skinner Engine Co., Pittsburgh, Pa. Multiple expansion steam engine. 2,572,652, Oct. 23.

Mueller, Homer L., assignor to The Cleveland Welding Company, Cleveland, Ohio. Coaster brake. 2,572,182, Oct. 23.

Muffly, Glenn, Springfield, Ohio. Ice maker and bottle cooler. 2,572,508, Oct. 23.

Mulsow, Nelson O. W., Marlin, Tex. Fish stringer. 2,572,653, Oct. 23.

Munroe, Stewart W., assignee: *See*—
Brown, Julian S.

Murphy, Frank L., and J. E. Candlin, Jr., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle side wall construction. 2,572,747, Oct. 23.

Murphy, Howard J., Lynnfield, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Lamp socket assembly and apertured support. 2,572,813, Oct. 23.

N. V. Exploitatie Maatschappij "Quod Bonum," assignee: *See*—
De Goeij, Henricus J. A.

National Organ Supply Company, assignee: *See*—
Kugel, Harry H.

National Supply Company, The, assignee: *See*—
Patterson, William R.

Native Laces & Textiles, Incorporated, assignee: *See*—
McCusker, John H.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Daly, Thomas A.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Walton, Cecil E.

Neal, Morris P., Quincy, Ill., assignor to A-B-C- Packaging Machine Corporation. Glue supply means for packaging machines. 2,572,047, Oct. 23.

Neenah Milk Products Company, assignee: *See*—
Galloway, Edwin J.

Nelson, Frank H., Philadelphia, Pa., and R. H. Dreisbach, assignors to The Magnavox Company, Fort Wayne, Ind. Amplitude-modulation-frequency-modulation antenna. 2,572,183, Oct. 23.

New Britain Machine Company, The, assignee: *See*—
Rockwell, Edward A.

Newton, Charles G., Jr., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Unsupported box toe and counter materials. 2,572,184, Oct. 23.

Nickells, Stanley W.: *See*—
Wilson, John M., Nickells, and Smith.

Nielsen, Frederik, Quincy, Mass. Camber adjusting tool. 2,572,654, Oct. 23.

Niethamer, Julius, Whitestone, N. Y. Grinding disk or pulverizer. 2,572,373, Oct. 23.

Nisbet, Alexander G., Rye, N. Y. Tobacco pipe. 2,572,048, Oct. 23.

Noether, Herman D., Kew Gardens, N. Y., and E. P. Irany, Cranford, N. J., assignors to Celanese Corporation of America. Copolymers of sulfur dioxide and styrene. 2,572,185, Oct. 23.

Noll, Paul E., Pasadena, and T. D. Aller, San Gabriel, assignors to Consolidated Western Steel Corporation, Los Angeles, Calif. Hydraulic pumping unit. 2,572,748, Oct. 23.

Noordeman, Pieter J., Rotterdam, Netherlands. Hydraulic steering device. 2,572,749, Oct. 23.

Norden, Jesse, Kew Gardens, N. Y. One-piece paper container. 2,572,655, Oct. 23.

Norden Laboratories Corporation, The assignee: *See*—
Schaefer, Carl F.

Norton Company, assignee: *See*—
Silven, Herbert A.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope feeding mechanism. 2,572,509, Oct. 23.

Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Vertically moving door. 2,572,186, Oct. 23.

O K Specialty Co., Inc., assignee: *See*—
McCoy, James H.

Oakes, E. T., Corporation, assignee: *See*—

Oakes, Earle T., assignor to E. T. Oakes Corporation, Douglaston, N. Y. Apparatus for making marshmallows. 2,572,049, Oct. 23.

Oas, Carl B., Girard, Pa., and C. H. Leonard, Silverton, Oreg. Machine for sanding broom handles. 2,572,374, Oct. 23.

Oberholtz, Anthony, assignee: *See*—
Moeller, George J.

Oertli, Traugott, Zurich, Switzerland. Mixing attachment for high-speed machines for pulping foodstuffs, etc. 2,572,375, Oct. 23.

Ohio Crankshaft Company, The, assignee: *See*—
Strickland, Harold A., Jr., and Riddell.

Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner mechanism. 2,572,750, Oct. 23.

O'Hara, Raymond J.: *See*—
Elliott, Stanley B., and O'Hara.

Olsen, Eugene M.: *See*—
Klaasen, Ralph J., Olsen.

Olson, Harry F., Princeton, and J. Preston, Metedeconk, N. J., assignors to Radio Corporation of America. Velocity type microphone. 2,572,376, Oct. 23.

Olson, Theodore A., Pompton Plains, N. J., assignor to General Motors Corporation, Detroit, Mich. End grinding of bearing rollers. 2,572,187, Oct. 23.

O'Morrow, Ross E., assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Bimetallic backing for artificial teeth. 2,572,377, Oct. 23.

Ornstein, Harry, Bronx, N. Y. Skate and shoe construction. 2,572,050, Oct. 23.

Orsini, Ivan, Cairo, Egypt. Manufacture of artificial porphyry or artificial granite and the product thereof. 2,572,510, Oct. 23.

Ortenburger, Mitchell W., Los Angeles, Calif. Blind flying device. 2,572,656, Oct. 23.

Osborn, Frank R.: *See*—
White, Desmond D., and Osborn.
White, Desmond D., Osborn, and Reich.

O'Shei, William E., London, England. Vehicle direction indicator. 2,572,751, Oct. 23.

Ostrander, Robert K., South Orange, N. J. Inertia-operated climbing toy. 2,572,752, Oct. 23.

Overly Biochemical Research Foundation, Inc., The, assignee: *See*—
Wallerstein, James S., and Alba.

Pacific Flush Tank Company, assignee: *See*—
Schiens, Harry E.

Pahal, William, East St. Louis, assignor to Leslie V. W. Schrader, Belleville, Ill. Terminal having lever clamping means to secure a conductor thereto. 2,572,753, Oct. 23.

Palfi, Andrew, Detroit, Mich. Aircraft propeller. 2,572,188, Oct. 23.

Palmqvist, Sven E. R., Orrefors, Sweden. Producing decorative bowl-shaped articles of glass by centrifugal action. 2,572,511, Oct. 23.

Panosian, James S., assignor to Graflex, Inc., Rochester, N. Y. Film holder for use in photographic cameras. 2,572,189, Oct. 23.

Pappenfus, Ernest W., assignor to Collins Radio Company, Cedar Rapids, Iowa. Frequency-shift keying system. 2,572,512, Oct. 23.

Parker, Joseph A., assignee: *See*—
Ross, Edgar L.

Parry, Vernon F., Golden, Colo. Conducting an endothermic chemical reaction involving both gaseous and solid feed materials. 2,572,051, Oct. 23.

Patrick, Audie R., Kansas City, Mo. Lock and compensator for hydraulic systems. 2,572,190, Oct. 23.

Patrick, Malcolm W., Lakewood, assignor to The S. K. Wellman Company, Cleveland, Ohio. Pressure relief valve. 2,572,816, Oct. 23.

Patrick, Tracy M., Jr.: *See*—
Emerson, William S., and Patrick.

Patterson, William R., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Ingot mold splash bowl. 2,572,754, Oct. 23.

Paul, Carl H.: *See*—
Rosen, Carl G. A., Maxwell, Paul, and Furstoss.

Paul, Milton, Great Neck, N. Y. Nutcracker and ice crusher. 2,572,378, Oct. 23.

Paul, Wanda L., New York, N. Y. Envelope moistener. 2,572,513, Oct. 23.

Payson, Peter, assignor to Crucible Steel Company of America, New York, N. Y. Alloy steel having high strength at elevated temperature. 2,572,191, Oct. 23.

Pearse, Rubee J., Raleigh, N. C. Portable fountain. 2,572,379, Oct. 23.

Peerless Products, Inc., assignee: *See*—
Mayer, Julius M., and Snedden.

Pendleton, Willie G., Sr., Naples, Italy. Heat control unit. 2,572,657, Oct. 23.

Pent Electric Company, assignee: *See*—
Hafke, Arthur.

Perkins, Albert G., Grand Island, N. Y. Automatic teat cup release device for milking machines. 2,572,658, Oct. 23.

Peters, Norman J., assignor to Damrow Brothers Company, Fond du Lac, Wis. Cooking apparatus. 2,572,192, Oct. 23.

Peters, Ralph W., Hollywood, Calif. Mechanical pressure operated actuating device. 2,572,380, Oct. 23.

Peterson, Chester A., Vancouver, Wash. Flush type sliding hinge. 2,572,381, Oct. 23.

Peterson, Howard B., San Francisco, Calif. Christmas tree lighting bulb socket support. 2,572,382, Oct. 23.

Peterson, Louis G., Des Moines, Iowa. Cribbage scoreboard. 2,572,277, Oct. 23.

Petit, Laurence A., Chicago, Ill. Carbon pack holder for manifold typewriters. 2,572,278, Oct. 23.

Petit, Laurence A., Chicago, Ill. Carbon pack holder for manifold typewriters. 2,572,279, Oct. 23.

Pheasey, John R., London England, assignor to International Standard Electric Corporation, New York, N. Y. Method and machine for making electric communication cables. 2,572,052, Oct. 23.

Phelon, Russell E., West Springfield, Mass. Holder for articles of magnetic material. 2,572,514, Oct. 23.

Philco Corporation, assignee: *See*—
Moore, Robert C.

Phillips, Clarence W., Akron, Ohio. Cigarette rolling machine. 2,572,193, Oct. 23.

Phillips Petroleum Company, assignee: *See*—
Antle, Herbert R.
Cade, George N.
Hillyer, John C., and Edmonds.
Himel, Chester M., and Edmonds.
Kramer, Burt R.
Lanning, William C.
Quigg, Donald J., and Alleman.
Robinson, Sam P.
Tissot, Carolyn E., and Goodhue.

Phippe, Orville, Denver, Colo. Drill stock power-drive coupling. 2,572,280, Oct. 23.

Picker X-ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R., and Ball.

Pierce Company, assignee: *See*—
Finch, William G. H.

Pierce, Ernest E., Dallas, Tex. Folding stairs. 2,572,281, Oct. 23.

Pierce, Harold S., Indianapolis, Ind., assignor to Link-Belt Company. Balance chain. 2,572,755, Oct. 23.

Planck, Ralph W.: *See*—
Meeks, James W., Banigan, and Planck.

Plimmer, Alfred G., and F. J. Kistner, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Combined machine tool. 2,572,756, Oct. 23.

Poarch, Myron F., Lima, Ohio. Vibrator tester. 2,572,194, Oct. 23.

Polaroid Corporation, assignee: *See*—
Campbell, John E.
Land, Edwin H.

Poole, Foy M., Stamford, and J. J. Foye, Jr., assignors to Electrolux Corporation, Old Greenwich, Conn. Impregnating electrical motor armatures. 2,572,515, Oct. 23.

Porter, Percy L., Los Angeles, Calif. Closure. 2,572,383, Oct. 23.

Powell, Clyde C., and W. R. Powell, Seattle, Wash. Mechanism for dispensing measured lengths of tacky tape. 2,572,757, Oct. 23.

Powell, Walter R.: *See*—
Powell, Clyde C. and W. R.

Power Equipment Company, assignee: *See*—
Bixby, William H.

Prather, Edwin E., assignor to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,572,659, Oct. 23.

Pratt Manufacturing Company, assignee: *See*—
Sundberg, Carl W.

Pravda, Milton F.: *See*—
Swenson, Paul F., and Pravda.

Preisman, Albert, Silver Spring, Md., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio receiver. 2,572,053, Oct. 23.

Prestinari, Eugen, Summit, assignor to Gemex Company, Union, N. J. Strap-end retaining device. 2,572,384, Oct. 23.

Preston, John: *See*—
Olson, Harry F., and Preston.

Price, Earl R., assignor to Bendix Aviation Corporation, South Bend, Ind. Power plant mechanism. 2,572,660, Oct. 23.

Price, Ralph E., Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa. Speed control for hydraulic systems with compensation for viscosity changes. 2,572,385, Oct. 23.

Proctor, William E., Baltimore, Md. Fuel shutoff. 2,572,195, Oct. 23.

Pullman-Standard Car Manufacturing Company, assignee: *See*—
Murphy, Frank L., and Candlin.

Pye Limited, assignee: *See*—
Jackson, Donald, and Green.
Weighton, Donald.

Quick, Cecil G.: *See*—
Crabtree, John O., and Quick.

Quigg, Donald J., Bartlesville, Okla., and C. E. Alleman, Cactus, Tex., assignors to Phillips Petroleum Company. Method and apparatus for converting and quenching hydrocarbons. 2,572,758, Oct. 23.

Radiant Heater Corporation, assignee: *See*—
Lamb, Wade.

Radio Corporation of America, assignee: *See*—
Andrews, Dallas R.
Burns, Leslie L., Jr.
Canfora, Arthur E.
Krieger, Gardner L., and Morton.
Law, Harold B.
Olson, Harry F., and Preston.
Wittenberg, Hubert H.

Randol, Glenn T., Mountain Lake Park, Md. Preselective transmission control for automotive vehicles. 2,572,054, Oct. 23.

Randolph, John R., Mexia, Tex. Transmission hoist. 2,572,516, Oct. 23.

Raque, Arthur E., Demarest, N. J., assignor to Watson Elevator Company, New York, N. Y. Elevator door operating mechanism. 2,572,196, Oct. 23.

Ratliff, Arthur D., Chattaroy, assignor of fifty per cent to J. T. Wainwright, Deer Park, Wash. Hackamore. 2,572,517, Oct. 23.

Ray, William A., North Hollywood, assignor to General Controls Co., Glendale, Calif. Thermal valve operator. 2,572,386, Oct. 23.

Rayburn, Alden G., Sausalito, Calif. Container. 2,572,387, Oct. 23.

Raytheon Manufacturing Company, assignee: *See*—
Walstrom, John E.

Redin, Eric, Norrkoping, and H. Ryde, Smedslatten, Sweden. Test-milking apparatus. 2,572,518, Oct. 23.

Redpath, James E., Oklahoma City, Okla. Safety joint for well swabs. 2,572,388, Oct. 23.

Reed, Clifford W., Lakeland, Fla. Drafting machine. 2,572,197, Oct. 23.

Reed, Kenneth H., Saginaw, Mich. Artificial bait. 2,572,817, Oct. 23.

Reeves, Leronzo T., Jr., Evanston, Ill. Volume and temperature controlled faucet. 2,572,661, Oct. 23.

Regal Molding Co., Inc., assignee: *See*—
Silberkraus, Sam, and Trojanowski.
Reich, Stefan: *See*—
White, Desmond D., Osborn, and Reich.
Reid, Robert B., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Inspecting electric lamp filaments. 2,572,573, Oct. 23.
Reiter, David, Woodside, N. Y. Dental retainer for matrix strips. 2,572,198, Oct. 23.
Remington Rand, Inc., assignee: *See*—
Steinbach, Theodore.
Reno, Gordon J.: *See*—
Hinds, George P., Jr., Meerbott, and Reno.
Republic Patent Corporation, assignee: *See*—
Durant, Lyndon A., and Binks.
Retallack, John B.: *See*—
Giroud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.
Ricards, Charles L.: *See*—
Roesen, Oscar C., Ricards, and Tollison.
Ricards, Harold A., Jr., Cranford, and J. W. Ryder, Watchung, N. J., assignors to Standard Oil Development Company. Sweetening process. 2,572,519, Oct. 23.
Rice, Wendell C., Coulee Dam, Wash. Magnifier for pulse beat indicators. 2,572,389, Oct. 23.
Richards, John J., Brookline, Mass. Apparatus for vaporizing liquid anesthetics. 2,572,199, Oct. 23.
Richardson, Linwood T., Wauwatosa, and M. R. Swinehart, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical contact. 2,572,662, Oct. 23.
Riddell, Donald W.: *See*—
Strickland, Harold A., Jr., and Riddell.
Ridge Tool Company, assignee: *See*—
Wright, Clyde E.
Riggs, George: *See*—
Giroud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.
Righton, Joseph J., assignor to Joseph Lucas Limited, Birmingham, England. Fluid-operated servo mechanism. 2,572,390, Oct. 23.
Rikelman, Nathan, Bronx, N. Y. Illuminated shoe device. 2,572,760, Oct. 23.
Ritter Company, Inc., assignee: *See*—
Ziegler, Eugene R.
Ritter, Eugene L., assignor to The Cincinnati Lathe & Tool Co., Cincinnati, Ohio. Screw-cutting lathe. 2,572,758, Oct. 23.
Rivoche, Eugene, Washington, D. C. Method and technique of food drying. 2,572,761, Oct. 23.
Rivoche, Eugene, Washington, D. C. Preserving moisture-containing cellular foodstuffs. 2,572,762, Oct. 23.
Roach, John R.: *See*—
Wittcoff, Harold, and Roach.
Robanske, David G., assignee: *See*—
Curtis, Arthur J.
Roberts, William H., Cheshire, Mass., assignor to General Electric Company. Attachment for capacitor winding machines. 2,572,663, Oct. 23.
Robertshaw-Fulton Controls Company, assignee: *See*—
Branson, Charles D.
Carson, William W., Jr.
Main, Robert C.
Robertson, Harvey E., Dallas, Tex. Live fish bait container. 2,572,763, Oct. 23.
Robinson, Sam P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Manufacture of acetylene. 2,572,664, Oct. 23.
Robson, William S., B. Herts, and A. E. Moore, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for forming and applying appendages to potteryware. 2,572,200, Oct. 23.
Rochow, Arthur J., Pittsford, N. Y. Folding clothes rack. 2,572,665, Oct. 23.
Rockwell, Edward A., Shaker Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn. Mechanism for the operation of valves. 2,572,520, Oct. 23.
Roesen, Oscar C., Scarsdale, N. Y., C. L. Ricards, South Plainfield, and P. L. Tollison, North Plainfield, assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J. Apparatus for cooling and drying stereotype plates and for effecting the controlled application of cooling and drying fluids thereto in synchronism with the conveying thereof. 2,572,666, Oct. 23.
Rogers, Don S.: *See*—
Rogers, Irvin A. and D. S., and Rosenberg.
Rogers, Irvin A. and D. S., and A. T. Rosenberg, assignors to Winterseal Corporation, Detroit, Mich. Auxiliary window sash. 2,572,764, Oct. 23.
Rogers, John T., Dudley, England. Seat. 2,572,521, Oct. 23.
Rohn, William C.: *See*—
Goepfrich, George A., and Rohn.
Rolls-Royce Limited, assignee: *See*—
Janes, Ralph.
Rooke, Robert M., Red Bank, N. J., assignor to Air Reduction Company, Incorporated. Hardening the ends of railroad rails. 2,572,201, Oct. 23.
Rose, Alfred G., assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Mechanism for transferring articles and wrappers to turrets. 2,572,394, Oct. 23.
Rose Brothers (Gainsborough) Limited, assignee: *See*—
Rose, Alfred G.
Rosen, Carl G. A., Peoria, C. R. Maxwell, Washington, C. H. Paul, Peoria Heights, and R. J. Furstoss, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif. Engine cooling, cylinder jacket, and head construction. 2,572,392, Oct. 23.
Rosenberg, Arthur T.: *See*—
Rogers, Irvin A. and D. S., and Rosenberg.
Rosenfeld, Nathan, Los Angeles, Calif. Tent. 2,572,393, Oct. 23.
Rosenheim, David, New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J. Child's toy musical instrument. 2,572,818, Oct. 23.
Rosenthal, Arnold J.: *See*—
Fortess, Fred, Rosenthal, and White.
Ross, Edgar L., assignor of ten per cent to J. A. Parker, Los Angeles, Calif. Suture holder and dispenser. 2,572,522, Oct. 23.
Roudaut, Jean, New York, N. Y., assignor to Chatham Electronics Corporation, Newark, N. J. Friction generator. 2,572,765, Oct. 23.
Rowland, Charles H., assignor of one-half to M. J. Goode, Port Perry, Ontario, Canada. Garden tractor. 2,572,202, Oct. 23.
Rowntree, Norman A. F.: *See*—
Boucher, Percival L., and Rowntree.
Ruckstuhl, Hans, O. Senn, and W. Wehrli, assignors to Sandoz A. G., Basel, Switzerland. Metallizable monoazo dyestuffs. 2,572,394, Oct. 23.
Ruggles, David M., Mount Tabor, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Producing quartz crystals. 2,572,667, Oct. 23.
Ruppe, Frank: *See*—
Schumacher, Fred, and Ruppe.
Russell, James L., Sun Valley, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Echo distance measuring circuit. 2,572,668, Oct. 23.
Ryde, Helge: *See*—
Redin, Eric, and Ryde.
Ryder, James W.: *See*—
Ricards, Harold A., Jr., and Ryder.
Rylsky, Gregory V., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pendulum device. 2,572,766, Oct. 23.
St. Clair, William E., and R. V. Lawrence, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Metal resinates and preparation. 2,572,071, Oct. 23.
Saldarini, Walter W., White Plains, assignor to Sonotone Corporation, Elmsford, N. Y. Electron space discharge device. 2,572,055, Oct. 23.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Labeled package. 2,572,056, Oct. 23.
Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Alarm device for indicating failure of the paper feed mechanism in teleprinters. 2,572,057, Oct. 23.
Samuelson, Henry: *See*—
Eichhols, Arthur H., and Samuelson.
Sandoz A. G., assignee: *See*—
Ruckstuhl, Hans, Senn, and Wehrli.
Sangamo Electric Company, assignee: *See*—
Kurs, Fred.
Sangamo Electric Company, assignee: *See*—
Lovegrove, Henry J., and McBride.
Sarge, Theodore W., and H. L. Schaefer, assignors to The Dow Chemical Company, Midland, Mich. Controlling the dissipation of normally solid, volatile organic insecticides. 2,572,669, Oct. 23.
Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Charging and discharging mechanism for mixers. 2,572,058, Oct. 23.
Savage, Leonard H., Grandville, assignor to J. P. Van Blooys, Grand Rapids, Mich. Cam making fixture. 2,572,395, Oct. 23.
Scanlon, John J., Bronx, N. Y. Collapsible feeding tray attachment for chairs. 2,572,282, Oct. 23.
Schaal, Earl V.: *See*—
Horton, Erwin C., and Schaal.
Schaefer, Carl F., Port Washington, assignor to The Norden Laboratories Corporation, New York, N. Y. Torque amplifier. 2,572,523, Oct. 23.
Schaefer, Herbert, Luxemburg, Luxemburg. Chambered soaking pit. 2,572,819, Oct. 23.
Schaefer, Hugo L.: *See*—
Sarge, Theodore W., and Schaefer.
Scheidenhelm, Earl L., and H. D. Hume, Mendota, Ill.; said Scheidenhelm assignor to said Hume. Cutter for vine crops. 2,572,203, Oct. 23.
Schircks, Eric, assignor to Albiswerk Zuerich A. G., Zurich, Switzerland. Microphone with carbon electrodes. 2,572,525, Oct. 23.
Schlaich, Herman, Elmhurst, N. Y. Temperature responsive devices, bimetallic coils for use therein, and blanks for making such coils. 2,572,059, Oct. 23.
Schlenz, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Method and apparatus for digesting garbage and sewage sludge. 2,572,767, Oct. 23.

Schlesinger, Arthur H., and D. T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. 3-(thiocyanomethyl) thianaphthene and herbicidal compositions comprising same. 2,572,574, Oct. 23.
Schluter, Bernard C., assignor of one-third to C. Kanter and one-third to E. F. Walsh, Newark, N. J. Guide for can-opening keys and tear strips. 2,572,820, Oct. 23.
Schmeller, Arthur, Byram, Conn. Hot soup grease skimmer. 2,572,524, Oct. 23.
Schmidt, Francis M., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Organ intensity control. 2,572,283, Oct. 23.
Schmidt, Linda L., assignee: *See*—
Kolell, Herman F.
Schneeberger, Jean, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Two-stroke internal-combustion engine. 2,572,768, Oct. 23.
Schneider, Harold B., and H. Koretz, New York, N. Y. Cloth-spreading holder. 2,572,204, Oct. 23.
Schoen, Karl, Kew Gardens, assignor to Endo Products, Inc., Richmond Hill, N. Y. Para-amino, gamma resorcylic acid and salts and manufacture. 2,572,284, Oct. 23.
Scholl Mfg. Co., Inc., assignee: *See*—
Coldiron, Harold A.
Schrader, Leslie V. W., assignee: *See*—
Pahal, William.
Schuessler, Norman G., San Angelo, Tex. Portable armrest for automobiles. 2,572,526, Oct. 23.
Schulman, James H.: *See*—
Von Hippel, Arthur, Bloom, and Schulman.
Schulze, Arthur R., Youngstown, Ohio, assignor to United States Steel Company. Automatic adjustable rail brace. 2,572,769, Oct. 23.
Schumacher, Fred, and F. Ruppe, Brooklyn, N. Y. Limb connection for display figures. 2,572,285, Oct. 23.
Schunke, Karl H.: *See*—
Glore, Robert F., and Schunke.
Schwabenlender, Jerome A., Milwaukee, Wis. Seed dispenser with pivoted ejector. 2,572,060, Oct. 23.
Schwarts, Arthur D., New York, N. Y. Platform insert for shoes. 2,572,670, Oct. 23.
Scott, James A.: *See*—
Wood, George W., Shaw, and Scott.
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Deaerator. 2,572,527, Oct. 23.
Seeburg, J. P., Corporation, assignee: *See*—
Gierwiatowski, Olgierd.
Seeds, Cyril G.: *See*—
Hunter, Richard H., and Seeds.
Sekely, Dezso D., assignee: *See*—
Király, Endre.
Selander, Johan E., Goteborg, Sweden. Centrifugal coil clutch. 2,572,528, Oct. 23.
Sellers, Frederick B., assignor to Texaco Development Corporation, New York, N. Y. Hydrogenation of coal. 2,572,061, Oct. 23.
Senn, Otto: *See*—
Ruckstuhl, Hans, Senn, and Wehrli.
Servo-Tek Products Co., Inc., assignee: *See*—
Wilkins, Floyd V.
Sexton, George N., Kensington, Md. Collapsible suction hose. 2,572,062, Oct. 23.
Seymour, Raymond B.: *See*—
Mowry, David T., and Seymour.
Shadduck, Laurine R., Chicago, Ill. Vegetable splitter. 2,572,770, Oct. 23.
Shafer, Theodore C.: *See*—
Emerson, William S., and Shafer.
Shafer, Theodore C., and R. I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Preparation of terephthalic acid. 2,572,575, Oct. 23.
Shanks, Lee R., Elmira, N. Y. Folding table with pivoted feet. 2,572,205, Oct. 23.
Shapiro, Abraham, Pasadena, and A. F. Clark, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation of petroleum-in-water emulsions. 2,572,223, Oct. 23.
Shaw, Everett R., Tempe, Ariz. Dance gliding device. 2,572,671, Oct. 23.
Shaw, Gordon M.: *See*—
Wood, George W., Shaw, and Scott.
Shawinigan Resins Corporation, assignee: *See*—
Cairns, Robert E.
Shearer, Andrew D.: *See*—
Jaggi, Lewis F., and Shearer.
Shell Development Company, assignee: *See*—
Ballard, Seaver A., Furman, and Finch.
De benedictis, Aldo, Ballard, and Hearne.
Garner, Philip J., and Bowman.
Hinds, George P., Jr., Meerbott, and Reno.
Shellmar Products Corporation, assignee: *See*—
Carkhuff, Le Roy F.
Sherbondy, William A., Shaker Heights, Ohio. Dispensing device for calking material and the like. 2,572,206, Oct. 23.
Shirley, Willie L., Northport, Ala. Musical instrument. 2,572,207, Oct. 23.
Shockley, Joseph B., Detroit, Mich. Switch. 2,572,396, Oct. 23.
Short, Brooks H., Anderson, and J. W. Dyer, Pendleton, Ind., assignors to General Motors Corporation, Detroit, Mich. Engine starter control system. 2,572,397, Oct. 23.
Shreffler, Vivian A. D.: *See*—
Jeter, Killis W., Sr., and Shreffler.
Sievert, Bernard E., Chicago, assignor to Woodruff & Edwards, Inc., Elgin, Ill. Water runoff control construction. 2,572,208, Oct. 23.
Silberkraus, Sam, Riverdale, and G. Trojanowski, Brooklyn, assignors to Regal Molding Co., Inc., Mineola, N. Y. Stencilling apparatus for charging molds. 2,572,771, Oct. 23.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,572,529, Oct. 23.
Simmons, Howard A., Milford, assignor of one-half to J. R. Kimball, Hopedale, Mass. Bobbin clutch. 2,572,398, Oct. 23.
Skaggs, Charles M., deceased, Memphis, Tenn., L. B. Skaggs, executrix of said C. M. Skaggs. Awning. 2,572,821, Oct. 23.
Skaggs, Lula B., executrix: *See*—
Skaggs, Charles M.
Skinner Chuck Company, The, assignee: *See*—
McPherson, Hal W.
Skinner Engine Co., assignee: *See*—
Mueller, Herman G.
Skipper, Edward M., Baltimore, Md., assignor to General Electric Company. Pugmill. 2,572,063, Oct. 23.
Sklovsky, Max, Moline, and I. D. Mazon, Highland Park, Ill. Garden tractor. 2,572,399, Oct. 23.
Skoog, Per F., Olympia, Wash. Producing composite boards. 2,572,772, Oct. 23.
Skuttle Manufacturing Company, assignee: *See*—
Bottum, Edward W.
Slagle, Clarence P., Selah, Wash. Article orienting mechanism. 2,572,773, Oct. 23.
Slinkard, William C., Chula Vista, and F. L. Duncan, assignors to Solar Aircraft Company, San Diego, Calif. Controlling shrinkage of castings. 2,572,064, Oct. 23.
Slocum, Charles W., assignor to Sperti Faraday Inc., Adrian, Mich. Signal circuit cutout. 2,572,400, Oct. 23.
Smith, Albert P., Ava, assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo. Rim driven circular saw. 2,572,065, Oct. 23.
Smith, Carl M., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Preparation of mono-ethers of 1-4-dihydroxynaphthalene. 2,572,822, Oct. 23.
Smith, Harry T., Hixton, Wis. Subgrade and shouldering machine. 2,572,776, Oct. 23.
Smith, Merton, Cleveland, and F. A. Leskovec, Geneva, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Supporting and locking removable panels. 2,572,774, Oct. 23.
Smith, Merton, Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo. Extension ladder. 2,572,775, Oct. 23.
Smith, Myron R.: *See*—
Wilson, John M., Nickells, and Smith.
Smith, Nathan L., Indian Head, Md. Trifluoromethyl phenyl-β-naphthylamines. 2,572,066, Oct. 23.
Smith, Nathan L., Indian Head, Md. Trifluoromethyl diphenylamines. 2,572,067, Oct. 23.
Smith, Oscar J., Tulsa, Okla. Fruit juicer. 2,572,286, Oct. 23.
Smith, Philip H., Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impedance transforming network. 2,572,672, Oct. 23.
Smith, Raymond H.: *See*—
Haefner, Sylvester J., and Smith.
Smith, William V., Greenville, Ill. Tiltable carriage for lawn mower sharpeners. 2,572,530, Oct. 23.
Smithe, F. L., Machine Co., Inc., assignee: *See*—
Novick, Abraham.
Smits, Wytze B., Voorburg, assignor to Smitsvonk N. V., The Hague, Netherlands. Fuel injection device. 2,572,209, Oct. 23.
Smitsvonk N. V., assignee: *See*—
Smits, Wytze B.
Snedden, George J.: *See*—
Mayer, Julius M., and Snedden.
Snow, Floyd E., Pasadena, assignor to Technical Coatings, Inc., Los Angeles, Calif. Sealed channel protector for blind nuts. 2,572,401, Oct. 23.
Societe Nationale des Chemins de Fer Français: *See*—
Delor, Gaston C.
Societe Nobel Francaise, assignee: *See*—
Talet, Pierre A., and Cor.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Baker, Ronald A.
Bergstrom, Eric V., and Visconty.
Shapiro, Abraham, and Clark.
Solar Aircraft Company, assignee: *See*—
Slinkard, William C., and Duncan.
Sommer, Albert, assignor to Impact Mixing Corporation, New York, N. Y. Preparing coated particle compositions. 2,572,068, Oct. 23.
Sonotone Corporation, assignee: *See*—
Jacobus, Herbert R., Jr.
Jacobus, Herbert R., Jr., and Lipschultz.
Saldarini, Walter W.

Southern Prison Company, assignee: *See*—
White, Lloyd J.
Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Resistance element. 2,572,069, Oct. 23.
Speer, Joseph G., assignor of one-half to H. G. Koenig, Merriam, Kans. Radio direction finder having sense antenna. 2,572,211, Oct. 23.
Speier, John L., Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Organo silanes and their production. 2,572,402, Oct. 23.
Spencer, Harry H., Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Current supply apparatus. 2,572,210, Oct. 23.
Sperry Corporation, The, assignee: *See*—
Litchfort, George B., and Lyman.
Young, Victor J., and Browder.
Sperti Faraday Inc., assignee: *See*—
Slocum, Charles W.
Squire, Frederick J.: *See*—
Bodman, John W., Squire, and Busby.
Stamm, Alfred J., and H. Tarkow, Madison, Wis., assignors to the United States of America as represented by the Secretary of Agriculture. Stabilizing wood. 2,572,070, Oct. 23.
Standard Oil Company, The, assignee: *See*—
Bartleson, John D.
Standard Oil Development Company, assignee: *See*—
Ricards, Harold A., Jr., and Ryder.
Stebelton, Earl W.: *See*—
Stebelton, Lloyd and E. W., and Berington.
Stebelton, Lloyd, Carroll, E. W. Stebelton, Lancaster, and H. P. Berington, Columbus, Ohio. Apparatus for grinding auger bits and similar articles. 2,572,212, Oct. 23.
Steinbach, Theodore, Millburn, N. J., assignor, by mesne assignments, to Remington Rand, Inc., Buffalo, N. Y. Hair clipper. 2,572,777, Oct. 23.
Steinberg, Gregory, Bayside, N. Y. Atomizer. 2,572,213, Oct. 23.
Steinkoenig, Charles A., Cincinnati, Ohio. Dividend figuring slide rule. 2,572,531, Oct. 23.
Stelzel, Roderick W., Hoboken, assignor to Bendix Aviation Corporation, Teterboro, N. J. Starter jaw actuating mechanism. 2,572,532, Oct. 23.
Stephens, Peter J., Detroit, Mich. Boat loading and unloading device. 2,572,778, Oct. 23.
Stevenson, Merlin R., Craig, Colo. Coal mining machine. 2,572,403, Oct. 23.
Steward, H. R., Lohn, Tex. Expansible plug for cementing wells. 2,572,533, Oct. 23.
Stohinger, George, Wakefield, assignor to Ace Art Company, Reading, Mass. Machine for making corner mounts. 2,572,673, Oct. 23.
Stoltenberg, Alvin E., Walcott, Iowa. Carburetor heat control. 2,572,404, Oct. 23.
Stone, Albert F., and E. A. Hayden, Callahan, Calif. Turret-mounted chain-saw holding claw. 2,572,405, Oct. 23.
Stone, George A.: *See*—
Briscoe, Earnest H., Stone, and Tarlton.
Stoner, Seth H., United States Navy. Vertically adjustable seat for aircraft. 2,572,072, Oct. 23.
Strahm, Frederic E. M., administrator: *See*—
Delor, Gaston C.
Strange, William E., Brandon, Manitoba, Canada. Magazine type hot-air furnace. 2,572,674, Oct. 23.
Streszynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Method and apparatus for treating mixtures to make or break emulsions. 2,572,287, Oct. 23.
Strickland, Harold A., Jr., and D. W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electric furnace and feeding means and the controls therefor. 2,572,073, Oct. 23.
Strickler, Walter B.: *See*—
Giroud, Henry A., Irwin, Kille, Retallack, Riggs, and Strickler.
Stuls, Charles, Strasbourg, France. High-voltage oil circuit breaker. 2,572,406, Oct. 23.
Stybel, Anthony J., Bayonne, N. J. Cleaning emulsions off films. 2,572,576, Oct. 23.
SubbaRow, Yellapragada: *See*—
Hultquist, Martin E., and SubbaRow.
Sulzer Freres, Societe Anonyme, assignee: *See*—
Schneeberger, Jean.
Summer, Samuel, Albany, N. Y. Garment hanger. 2,572,534, Oct. 23.
Sun Oil Company, assignee: *See*—
Banks, Daniel B.
Tench, John D.
Sundberg, Carl W., Birmingham, assignor to Pratt Manufacturing Company, Coldwater, Mich. Sled. 2,572,214, Oct. 23.
Swart, Gilbert H., assignor to The General Tire & Rubber Company, Akron, Ohio. Bushing and making same. 2,572,215, Oct. 23.
Sweeney, B. K., Manufacturing Company, assignee: *See*—
Able, Edward T., and Krieger.
Sweigart, Arthur L., Borger, Tex., assignor to United Carbon Company, Inc., Charleston, W. Va. Hardness tester. 2,572,779, Oct. 23.
Swenson, Paul F., Cleveland Heights, and M. F. Pravda, Bedford, assignors to The Cleveland Research Corporation, Cleveland, Ohio. Gas burner with modulated flame orifice. 2,572,675, Oct. 23.
Swinehart, Merle R.: *See*—
Richardson, Linwood T., and Swinehart.
Swyers, Charles C., Toledo, Ohio. Automatic marker buoy for lost objects. 2,572,676, Oct. 23.
Sylvania Electric Products Inc., assignee: *See*—
Casellini, Ezio T.
Reid, Robert B.
Symington-Gould Corporation, The, assignee: *See*—
Couch, Glenn F.
Tackenberg, Richard C., Cincinnati, Ohio. Merchandise cart. 2,572,780, Oct. 23.
Tackett, Albert G., Bethel, Ohio. Trap hook. 2,572,535, Oct. 23.
Talet, Pierre A., and P. Cor, said Talet assignor to Societe Nobel Francaise, Paris, France. Manufacturing plastic material of great mechanical strength. 2,572,407, Oct. 23.
Tarkow, Harold: *See*—
Stamm, Alfred J., and Tarkow.
Tarlton, Lorrin C.: *See*—
Briscoe, Earnest H., Stone, and Tarlton.
Tatem, John A., assignor to G. W. B. Electric Furnaces Limited, Dudley, England. Electrode type water boiler. 2,572,536, Oct. 23.
Taylor, Edmund R., Pelham Manor, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal receiving system. 2,572,216, Oct. 23.
Taylor, Edward L., Baltimore, Md. Stripping machine. 2,572,537, Oct. 23.
Taylor, Robert J., and J. F. Davenport, Birmingham, Ala., assignors to McConnell Sales and Engineering Corporation. Apparatus for sizing and drying warp yarn. 2,572,288, Oct. 23.
Technical Coatings, Inc., assignee: *See*—
Snow, Floyd E.
Technicolor Motion Picture Corporation, assignee: *See*—
Bennes, Charles D.
Tench, John D., Prospect Park, assignor to Sun Oil Company, Philadelphia, Pa. Extruding nozzle. 2,572,677, Oct. 23.
Tennent, Howard G.: *See*—
Klug, Eugene D., and Tennent.
Tennessee Products and Chemical Corporation, assignee: *See*—
Berl, Leo.
Terry, Victor J., T. F. S. Hargreaves, and W. F. Gould, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Voice-frequency signaling system. 2,572,074, Oct. 23.
Teters, Tinie R., Fayette, Mo. Auto washing mat. 2,572,538, Oct. 23.
Texaco Development Corporation, assignee: *See*—
Sellers, Frederick B.
Texas Company, The, assignee: *See*—
Gallaway, Roy L.
Thomas, Beaumont, assignor to Delrac Corporation, Watertown, N. Y. Furan resins. 2,571,994, Oct. 23.
Thomas, Wilbur W.: *See*—
McCarthy, Thomas O., and Thomas.
Thompson, Alfred E., assignor to Creed and Company Limited, Croydon, England. Printing telegraph apparatus. 2,572,075, Oct. 23.
Thompson, Ernest H., Winnetka, assignor to Automatic Canteen Company of America, Chicago, Ill. Coin mechanism for vending machine. 2,572,539, Oct. 23.
Thompson, Ernest H., Winnetka, assignor to Automatic Canteen Company of America, Chicago, Ill. Liquid dispenser with means normally locking said dispenser and coin-actuated means preventing operation of said locking means. 2,572,540, Oct. 23.
Thompson, Ernest H., Glenview, and L. W. Doggett, Park Ridge, assignors to Automatic Canteen Company of America, Chicago, Ill. Selective beverage vending machine. 2,572,541, Oct. 23.
Thurmond, Gilbert I., Asheville, assignor to American Enka Corporation, Enka, N. C. Manufacture of viscose rayon. 2,572,217, Oct. 23.
Tissol, Carolyn E., Minneapolis, Minn. and L. D. Goodhue, Bartlesville, Okla., assignors to Phillips Petroleum Company. Repellence of insects. 2,572,577, Oct. 23.
Tollison, Paul L.: *See*—
Roesen, Oscar C., Richards, and Tollison.
Torres, August S., Kinderbook, N. Y. Coffee roasting apparatus. 2,572,678, Oct. 23.
Torres, August S., Framingham, Mass. Roasting method. 2,572,679, Oct. 23.
Torricelli Creations, Inc., assignee: *See*—
Torricelli, Ugo.
Torricelli, Ugo, New York, N. Y., assignor to Torricelli Creations, Inc. Computing travel chart. 2,572,781, Oct. 23.
Townend, Gordon H.: *See*—
Moneypenny, Harold K., Townend and Beardsmore.
Toy, Arthur D. F., Chicago, Ill., assignor to Victor Chemical Works. Phosphorus-containing resins and preparing the same. 2,572,076, Oct. 23.
Trail, Henry S., Quincy, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparing silica sols. 2,572,578, Oct. 23.

Trailmobile Inc., assignee: *See*—
Black, James J.
Treat, Floyd C., Barrington, assignor to The Athletic Shoe Company, Chicago, Ill. Running shoe. 2,572,680, Oct. 23.
Trico Products Corporation, assignee: *See*—
Horton, Erwin C.
Horton, Erwin C., and Schaal.
Oishei, John R.
Trojanowski, George: *See*—
Silberkraus, Sam, and Trojanowski.
Troutman, Bobbie E., Paducah, Ky. Awning hoist. 2,572,077, Oct. 23.
Truslow, Grover C., Charlotte, and J. T. MacIsaac, Jr., Spray, N. C., assignors to Marshall Field and Company, Chicago, Ill. Apparatus for folding cloth in predetermined lengths. 2,572,289, Oct. 23.
Trussell, Clarence D., Turnwood, N. Y. Mechanical binding. 2,572,681, Oct. 23.
Turton, Cecil B., Plainville, Conn., assignor, by mesne assignments, to General Electric Company. Attachment for the ends of electric bus bar ducts. 2,572,218, Oct. 23.
Union Carbide and Carbon Corporation, assignee: *See*—
Erasmus, Hendrik de W., and Culberston.
Zimmerman, Herman M., and Cahoon.
United Aircraft Corporation, assignee: *See*—
Moeller, Constand A.
United Carbon Company, Inc., assignee: *See*—
Sweigart, Arthur L.
United-Carr Fastener Corporation, assignee: *See*—
Bedford, William A., Jr.
Kral, Joseph.
Murphy, Howard J.
United Shoe Machinery Corporation, assignee: *See*—
Ashley, John W., and Leahy.
Hazelton, George.
Matter, Peter A.
Newton, Charles G., Jr.
Robson, William S., and Moore.
United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Dempster, Arthur J.
Jenkins, Francis A.
United States Rubber Company, assignee: *See*—
Child, Everett S.
Chittum, James P.
Gottschall, Marcia.
United States Steel Company, assignee: *See*—
Davis, Henry M.
Schulze, Arthur R.
Universal Oil Products Company, assignee: *See*—
Deanesly, Richard M.
Hartwig, Karl T., and Haufe.
Upham, Charles R., Los Angeles, Calif. Iron powder dispenser. 2,572,078, Oct. 23.
Urban, René, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Disubstituted carbamic acid esters of 3-hydroxy-1-alkyl-pyridinium salts. 2,572,579, Oct. 23.
Urish, Frank, Flushing, N. Y. Machine for marking buttonholes and buttons on garments. 2,572,682, Oct. 23.
Vaaler, Larry I., and I. J. Hagemo, La Crosse, Wis. Repeating toy airplane projector. 2,572,782, Oct. 23.
Valentine, Kenneth B., Waterford Township, Oakland County, assignor to General Motors Corporation, Detroit, Mich. Processing electroplated spring steel parts. 2,572,219, Oct. 23.
Van Blooys, Joseph P., assignee: *See*—
Savage, Leonard H.
Vanden Hoek, Samuel, Grand Rapids, Mich. Foldable golf bag support. 2,572,408, Oct. 23.
Vanderjagt, Barend G. H.: *See*—
Van der Jagt, Barend G. H.
Van der Jagt, Barend G. H., Washington, D. C., now by change of name, Barend Gysbertus Henry Vanderjagt. Producing a spinnable sliver. 2,572,783, Oct. 23.
Van Doorne, Hubertus J., Deurne, Netherlands. Supporting mechanism for semitrailers. 2,572,409, Oct. 23.
Van Doorne, Hubertus J., Deurne, Netherlands. Steering mechanism for semitrailer supporting mechanism. 2,572,410, Oct. 23.
Van Kessel, George C., Opa Locka, Fla. Dusting machine. 2,572,542, Oct. 23.
Van Veen, Anton, Canton Center, Conn. Hand-operated counter or tally. 2,572,784, Oct. 23.
Vaughn, Joseph J., Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill. Door operating mechanism. 2,572,785, Oct. 23.
Vaughn Machinery Company, The, assignee: *See*—
Nye, Norman H.
Vaughn, Thomas H.: *See*—
Jackson, Donald R., Langdon, and Vaughn.
Veeder-Root Incorporated, assignee: *See*—
Bliss, Harvey N., and Vroom.
Devanney, Raymond H.
Vennottschap onder firma Postma & Feenstra, assignee: *See*—
Würdemann, Wilhelm L. H. E.
Victor Chemical Works, assignee: *See*—
Toy, Arthur D. F.
Vidales, Ernest, San Antonio, Tex. Adapter for radial grinding attachments. 2,572,220, Oct. 23.
Vining, Henry L., Dallas, Tex. Pressure regulator for fuel lines. 2,572,786, Oct. 23.
Visconty, George J.: *See*—
Bergstrom, Eric V., and Visconty.
Vogogas, Ltd., assignee: *See*—
Von Gonsenbach, Federico.
Voigt, Robert H., Detroit, Mich. Portable public address system. 2,572,221, Oct. 23.
Von Gonsenbach, Federico, assignor to Vogogas, Ltd., Lucerne, Switzerland. Dry ash removal for gas producer. 2,572,543, Oct. 23.
Von Hippel, Arthur, Weston, M. C. Bloom, Newton Highlands, Mass., and J. H. Schulman, Washington, D. C., assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radiation-sensitive cells and making same. 2,572,079, Oct. 23.
Vroom, Edward: *See*—
Carpenter, Warren W., and Vroom.
Vroom, Harold B.: *See*—
Bliss, Harvey N., and Vroom.
Vuts, Wilhelm, Coldwater, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Adjustable motor supporting means for agricultural elevators. 2,572,290, Oct. 23.
Wachs, Jack, Brooklyn, N. Y. Frame for ladies' handbags and the like. 2,572,683, Oct. 23.
Wade, Robert S., Akron, Ohio, assignor to American Hard Rubber Company, New York, N. Y. Door frame. 2,572,222, Oct. 23.
Wainwright, Jack T., assignee: *See*—
Ratliff, Arthur D.
Walker, Brooks, Piedmont, Calif. Venetian blind slat. 2,572,224, Oct. 23.
Walker, Donald F., Edinburgh, Scotland. Variable impedance device. 2,572,545, Oct. 23.
Wallace, Fred C., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Pulse width controlling relay system. 2,572,080, Oct. 23.
Wallach, Irving D., Port Washington, and G. Clark, assignors to Associated Development & Research Corporation, New York, N. Y. Automatic record changer. 2,572,684, Oct. 23.
Wallance, Donald A., New York, N. Y. Furniture construction. 2,572,081, Oct. 23.
Wallerstein, James S., and R. T. Alba, assignors to The Overly Biochemical Research Foundation, Inc., New York, N. Y. Reducing foaming in protein-containing mixtures. 2,572,823, Oct. 23.
Wallin, Francis T., Brookline, Mass. Portable respirator. 2,572,787, Oct. 23.
Wallin, Gus W., Chicago, Ill., assignor to Motorola, Inc. Bass boost circuit. 2,572,544, Oct. 23.
Walsh, Edward F., assignee: *See*—
Schluter, Bernard C.
Walsh, James F., Holland, Mich., D. M. Levitt, Great Neck, N. Y., and A. H. Goodman, Holland, Mich., assignors to Doughnut Corporation of America, New York, N. Y. Manufacture of wheat protein and starch. 2,572,225, Oct. 23.
Walstrom, John E., Diablo, Calif., assignor to Raytheon Manufacturing Company, Newton, Mass. Welding of thermoplastic materials with application of high-frequency dielectric energy and pressure. 2,572,226, Oct. 23.
Waltermire, Fred F.: *See*—
Brown, Cicero C., and Waltermire.
Walton, Cecil E., Cleveland, Ohio, assignor to the United States of America as represented by the Secretary of the Navy. Recorder drive mechanism. 2,572,546, Oct. 23.
War, United States of America as represented by the Secretary of, assignee: *See*—
McElhannon, Raymond J.
Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.
Warrick, Earl L., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich. Elastomeric polysiloxanes and preparing them, utilizing tertiary butyl peracetate. 2,572,227, Oct. 23.
Waterbury Farrel Foundry and Machine Company, assignee: *See*—
Wilcox, Richard L.
Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape feed suppression mechanism. 2,572,685, Oct. 23.
Watson Elevator Company, assignee: *See*—
Raqué, Arthur E.
Watt, Thomas, Berea, Johannesburg, Transvaal, Union of South Africa. Resilient support for antifriction bearings. 2,572,411, Oct. 23.
Weaver, Harry E.: *See*—
Fellows, Frank H., and Weaver.
Weaver, Robert B., Los Angeles, Calif. Venetian blind. 2,572,291, Oct. 23.
Webb, Horace L., Vienna, Va. Dictation mask with cartridge type silencer. 2,572,547, Oct. 23.
Wehrli, Walter: *See*—
Ruckstuhl, Hans, Senn, and Wehrli.
Weighton, Donald, assignor to Pye Limited, Cambridge, England. Frequency meter. 2,572,788, Oct. 23.
Weikart, Warren D., and E. F. Altomare, Leetonia, Ohio. Band saw tire mounting device. 2,572,789, Oct. 23.
Weil, Walter M., assignee: *See*—
Cooper, Hugh S.

Weiss, Daniel I., C. F. Maroney, and R. W. McGrew, Ellwood City, Pa. Brake structure for platform type casters or the like. 2,572,548, Oct. 23.

Wellman, S. K., Company, The, assignee: *See*— Patrick, Malcom W.

Welsh, James E., Burbank, Calif. Service or rental type water softener and regenerating same. 2,572,082, Oct. 23.

West, John W.: *See*— Mensel, Paul R., and West.

West, William A., Hume, Mo. Fishing float. 2,572,790, Oct. 23.

Westinghouse Air Brake Company, assignee: *See*— Young, Henry S.

Westinghouse Electric Corporation, assignee: *See*— Hildestad, Harold L. Wojcik, Joseph S.

Wharton, Joseph S. L., Jr., Essex, Conn. Game piece simulating a sail boat. 2,572,412, Oct. 23.

White, Blanche B.: *See*— Fortess, Fred, Rosenthal, and White.

White, Desmond D., F. R. Osborn, and S. Reich, Elstree, assignors to Dufay-Chromex Limited, London, England. Voltage modulated marking fluid deposition device. 2,572,549, Oct. 23.

White, Desmond D., and F. R. Osborn, Elstree, assignors to Dufay-Chromex Limited, London, England. Electrical means for reproducing photographs. 2,572,550, Oct. 23.

White, Eric L. C., Iver, assignor to Electric & Musical Industries Limited, Hayes, England. Thermionic valve circuits. 2,572,792, Oct. 23.

White, Francis I., Little Rock, Ark. Asphalt tile cutter. 2,572,791, Oct. 23.

White, Loyd J., assignor to Southern Prison Company, San Antonio, Tex. Combination bunk, table, and seats for jails and the like. 2,572,435, Oct. 23.

White Metal Manufacturing Company, assignee: *See*— Lehmann, Emil.

White, Roger E., United States Navy. Delayed signal generator. 2,572,083, Oct. 23.

Whitin Machine Works, assignee: *See*— Dudley, John S., and Brandt.

Whitney, Robert E.: *See*—

Whyzmusia, Paul J., Jamaica, assignor to Interchemical Corporation, New York, N. Y. Etch for offset plate making. 2,572,228, Oct. 23.

Wickland, Algot A., Chicago, Ill. Continuous muller. 2,572,413, Oct. 23.

Widerõe, Rolf, Zurich, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,572,414, Oct. 23.

Widerõe, Rolf, Oslo, Norway, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Magnetic induction accelerator. 2,572,551, Oct. 23.

Wier, Anthony J.: *See*— Haury, Paul T., and Wier.

Wight, Sedgwick N.: *See*— Field, Oscar S., and Wight.

Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Making plain face nuts or the like. 2,572,793, Oct. 23.

Wild, Rudolf F., Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Ripple-free phase sensitive rectifier. 2,572,794, Oct. 23.

Wilkins, Floyd V., assignor to Servo-Tek Products Co., Inc., Paterson, N. J. Electronic motor speed control. 2,572,824, Oct. 23.

Willard, Donald E., Danville, Ill. Load transfer device. 2,572,552, Oct. 23.

Willcox, Frederick P., Bethesda, Md., assignor to General Aniline & Film Corporation, New York, N. Y. Electrically operated photographic shutter. 2,572,229, Oct. 23.

Williams Company, The, assignee: *See*— Hood, Richard P., and Gebhardt.

Williams, Ernest, Kankakee, Ill. Furnace cleaning shovel. 2,572,230, Oct. 23.

Williams, James L., Lamesa, Tex. Smoker's appliance. 2,572,415, Oct. 23.

Wilson, Charles K., East Williston, assignor to Metallising Engineering Co. Inc., Long Island City, N. Y. Welding electrode holder construction. 2,572,084, Oct. 23.

Wilson, John M., Minneapolis, S. W. Nickells, St. Louis Park, and M. R. Smith, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,572,293, Oct. 23.

Wilson, Joseph H., La Mesa, Calif. Artificial eye comprising an eye implant and a connecting support for an eye-simulating member. 2,572,416, Oct. 23.

Wilt, Homer E.: *See*— Colley, Russell S., and Wilt.

Winterseal Corporation, assignee: *See*— Rogers, Irvin A. and D. S., and Rosenberg.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills, Inc. Alkyd resins. 2,572,085, Oct. 23.

Wittcoff, Harold, and J. R. Roach, Minneapolis, Minn., assignors to General Mills Inc. Rosin acid esters. 2,572,086, Oct. 23.

Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. Protective system. 2,572,292, Oct. 23.

Wojcik, Joseph S., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control mechanism. 2,572,553, Oct. 23.

Wolf, Howard W.: *See*— Cashin, Frank J., and Wolf.

Wolfe, John E., Manhattan, Kans., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High-frequency wavemeter. 2,572,232, Oct. 23.

Wolk, Raymond B., St. Louis, Mo. Winding reel. 2,572,417, Oct. 23.

Womack, Sherman E.: *See*— Woodcock, Charles A., Womack, and Hobbs.

Wood, George W., G. M. Shaw, and J. A. Scott, Magog, Quebec, Canada. Nursing doll. 2,572,795, Oct. 23.

Wood Newspaper Machinery Corporation, assignee: *See*— Roesen, Oscar C., Ricards, and Tollison.

Woodard, Harry W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Welding method and apparatus. 2,572,796, Oct. 23.

Woodcock, Charles A., S. E. Womack, and J. W. Hobbs, Springfield, Ill., assignors to John W. Hobbs Corporation, Springfield, Ill. Plunger type switch. 2,572,294, Oct. 23.

Woodruff & Edwards, Inc., assignee: *See*— Sievert, Bernard E.

Woodward, William H., Detroit, Mich. Adjustable bracket. 2,572,231, Oct. 23.

Woolley, Park: *See*— Miller, Avy L., and Woolley.

Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Drive mechanism. 2,572,554, Oct. 23.

Worthington Pump and Machinery Corporation, assignee: *See*— Hall, Harry. Sebald, Joseph F.

Wright, Clyde E., assignor to Ridge Tool Company, Elyria, Ohio. Pipe nipple chuck. 2,572,418, Oct. 23.

Würdemann, Wilhelm L. H. E., The Hague, assignor to Vennootschap onder firma Postma & Feenstra, Greunsweg, Leeuwarden, Netherlands. Conveying apparatus for milk cans. 2,572,233, Oct. 23.

Wurlitzer, Rudolph, Company, The, assignee: *See*— Schmidt, Francis M.

Wyandotte Chemicals Corporation, assignee: *See*— Jackson, Donald R., Langdon, and Vaughn.

Wyss, Raymond C., Tillamook, Oreg. Lock for irrigation pipe couplers. 2,572,419, Oct. 23.

York Corporation, assignee: *See*— Andrews, John M.

Young, Allen E., Lakewood, Ohio. Spark discharge pulsing circuit. 2,572,087, Oct. 23.

Young, Henry S., Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company. Railway signal control system. 2,572,234, Oct. 23.

Young, Thomas N., Epsom, and E. G. B. Gledhill, Sutton, assignors to Frees-Seal Equipment Company Limited, New Malden, England. Water pipe repairing equipment. 2,572,555, Oct. 23.

Young, Victor J., Jamaica, and J. E. Browder, Garden City, N. Y., assignors to The Sperry Corporation. Ultra high frequency coded transmitter system utilising stored energy received by the system. 2,572,088, Oct. 23.

Young, William R., Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multichannel intermodulation interference reduction radio communication system. 2,572,235, Oct. 23.

Zar, Jacob L., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Long-scale electrical measuring instrument. 2,572,556, Oct. 23.

Zenftman, Henryk, Salcoats, and A. McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited. Production of nitropolystyrene. 2,572,420, Oct. 23.

Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Controller for electric systems. 2,572,295, Oct. 23.

Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Wall fixture. 2,572,797, Oct. 23

Zimmerman, Herman M., Cleveland, and N. C. Cahoon, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Primary cell and battery and making same. 2,572,296, Oct. 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cleaning method and material therefor. F. R. Perry. Re. 23,422, Oct. 23.

Machine for making course height stone veneer. J. Solomito. Re. 23,423, Oct. 23.

LIST OF PLANT INVENTIONS

Rose plant. G. de Ruiter. 1,045, Oct. 23.

LIST OF DESIGN INVENTIONS

Air conditioner. J. E. Long. 164,937, Oct. 23.

Antenna and weather vane, Combined. E. F. McDonald, Jr. 164,938, Oct. 23.

Armchair. J. S. Burdick. 164,897–8, Oct. 23.

Ash tray. J. Tschudi. 164,972, Oct. 23.

Automobile exhaust pipe extension. L. E. Russell. 164,960, Oct. 23.

Backguard panel for cooking stoves. R. E. Hitchcock. 164,925, Oct. 23.

Bar, Serving. E. N. Panole. 164,942, Oct. 23.

Battery service kit. R. B. Edelmann. 164,903, Oct. 23.

Bottle. J. Serra. 164,964, Oct. 23.

Brooch or similar article. A. Philippe. 164,951–4, Oct. 23.

Cabinet or similar article, Television. J. Barofsky. 164,893, Oct. 23.

Cabinet, Radio. S. E. Adler. 164,891, Oct. 23.

Cabinet, Refrigerator. R. B. Janes and J. W. Snider. 164,931, Oct. 23.

Case, Gem display. S. H. Freeman. 164,910, Oct. 23.

Chain, Expansible. E. Prestinari and J. F. Sand. 164,955, Oct. 23.

Chair base, Swivel. J. S. Burdick. 164,900, Oct. 23.

Chair, Executive posture swivel. J. S. Burdick. 164,899, Oct. 23.

Cloth-plate for a sewing machine. N. Knaus. 164,934, Oct. 23.

Container for a perfume bottle or the like, Display. W. W. Hobe. 164,927–8, Oct. 23.

Container for doll. L. F. Hins. 164,924, Oct. 23.

Cooler, Bottled drink. W. Schumacher. 164,962, Oct. 23.

Display device. R. E. Kaplan. 164,932, Oct. 23.

Dress. R. Feintuch. 164,905–7, Oct. 23.

Earring or similar article. A. Philippe. 164,946–9, Oct. 23.

Fabric, Textile. B. D. Gould. 164,922, Oct. 23.

Film mounting. J. D. Cassidy and J. D. Marks. 164,901, Oct. 23.

Frame for a rotatable condiment rack. W. B. Sewell. 164,965, Oct. 23.

Hanger, Child's peg board clothes. G. A. Price. 164,956, Oct. 23.

Key chain and flashlight, Combined. S. Schwartz. 164,963, Oct. 23.

Lamp, Animated decorative. A. B. Leech. 164,935–6, Oct. 23.

Lens cover. R. Heidecke. 164,923, Oct. 23.

Lighter, Cigarette. C. B. Woofter. 164,974, Oct. 23.

Lighting fixture, Wall bracket. M. D. Folley. 164,908, Oct. 23.

Mask for disguise or the like. W. A. Redlin. 164,958–9, Oct. 23.

Mixer for culinary and general use. H. E. Chapman. 164,902, Oct. 23.

Negligee. V. Giovagnoni. 164,910–11, Oct. 23.

Photographic lens mount. E. A. Springer and G. K. Czarnikow. 164,967–9, Oct. 23.

Pin clip or the like. A. Philippe. 164,950, Oct. 23.

Pitcher, Dripless. R. H. Killebrew. 164,933, Oct. 23.

Plant holder and bracket therefor, Combined hanging. E. P. A. Strandell. 164,970, Oct. 23.

Plate or similar article, Dinner. C. H. McKaig. 164,939, Oct. 23.

Railway observation car body. A. B. Girardy, D. W. Doman, and R. E. Meyers. 164,913–21, Oct. 23.

Range, Kitchen. R. E. Hitchcock. 164,926, Oct. 23.

Sanding machine, Portable power-operated. A. N. Emmons. 164,904, Oct. 23.

Scarf. V. Neumann. 164,940, Oct. 23.

Sewing machine. M. S. Park. 164,943, Oct. 23.

Stocking, Christmas. L. Reagor. 164,957, Oct. 23.

Stocking, Lady's. R. E. Schletter. 164,961, Oct. 23.

Store front. K. E. Bemis. 164,894, Oct. 23.

Tabouret. W. L. Snyder. 164,966, Oct. 23.

Tool, Combination. A. W. Fowler. 164,909, Oct. 23.

Tower scale. G. W. Tammen. 164,971, Oct. 23.

Toy elephant. N. Hollis. 164,930, Oct. 23.

Toy puppet, Stuffed pig. E. V. Wong. 164,973, Oct. 23.

Tray. L. Peters. 164,945, Oct 23..

Tray and food containers or similar article, Combined serving. J. C. Baker. 164,892, Oct. 23.

Tube body, Electronic. O. A. Pearson. 164,944, Oct. 23.

Urn, Coffee. T. G. Nevell. 164,941, Oct. 23.

Vehicle, Earth moving. R. L. Beyerstedt. 164,895–6, Oct. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abstracting hot gas from the exhausts of gas-turbine engines. R. Janes, 2,572,346, Oct. 23.
Acetylene, Manufacture of. S. P. Robinson. 2,572,664, Oct. 23.
Adapter for radial grinding attachments. E. Vidales. 2,572,220, Oct. 23.
Additives for hydrocarbon oils. J. D. Bartleson. 2,572,000, Oct. 23.
Adhesive tape. W. Eustis. 2,572,459, Oct. 23.
Adhesive tape, Pressure-sensitive. W. Eustis. 2,572,458, Oct. 23.
Adjustable bracket. W. H. Woodward. 2,572,231, Oct. 23.
Adjustable gate. E. D. McCullough. 2,572,171, Oct. 23.
Air compressor. W. V. Fischer. 2,572,711, Oct. 23.
Aircraft folding wing construction. E. Abel, Jr. 2,572,42[illegible], Oct. 23.
Aircraft mudguard. J. C. Huett. 2,572,342, Oct. 23.
Aircraft propeller. A. Palfi. 2,572,188, Oct. 23.
Aircraft with adjustable glide control channels. B. F. Heer. 2,572,147, Oct. 23.
Air drying unit. C. C. Carson. 2,572,009, Oct. 23.
Air gun automatic safety device. F. Mihalyi. 2,572,176, Oct. 23.
Airplane rudder. M. Gliwa. 2,572,134, Oct. 23.
Airplane, Twin engine sport. V. J. Burnelli. 2,572,442, Oct. 23.
Airway traffic control system. O. S. Field and S. N. Wight. 2,572,127, Oct. 23.
Alarm device for indicating failure of the paper feed mechanism in teleprinters. R. D. Salmon. 2,572,057, Oct. 23.
Aligning means for folding partitions. W. J. Horn. 2,572,153, Oct. 23.
Alkyd resins. H. Wittcoff and J. R. Roach. 2,572,085, Oct. 23.
Alkyl thiocyanates, Preparation of. C. M. Himel and L. O. Edmonds. 2,572,564, Oct. 23.
Alloy: *See*—
Aluminum alloy.
Alloy steel having high strength at elevated temperature. P. Payson. 2,572,191, Oct. 23.
Aluminum alloy. R. H. Harrington. 2,572,562, Oct. 23.
Amides, Production of. C. F. Jelinek. 2,572,809–10, Oct. 23.
Ammelide and ammeline, Production of. L. J. Beckham. 2,572,567, Oct. 23.
Amplifier, Torque. C. F. Schaefer. 2,572,523, Oct. 23.
Amplitude-modulation-frequency-modulation antenna. F. H. Nelson and R. H. Dreisbach. 2,572,183, Oct. 23.
Amusement device, Punchboard. D. Cook. 2,572,110, Oct. 23.
Anchor for gratings. W. A. Bates. 2,572,431, Oct. 23.
Anchor, Grating. W. A. Bates. 2,572,432, Oct. 23.
Antenna structure. H. Balton. 2,572,430, Oct. 23.
Anti-insect shelter, Portable. T. C. Fierle. 2,572,461, Oct. 23.
Antiskid tire chain. W. B. McLean. 2,572,045, Oct. 23.
Apparatus for and process of forming single-faced corrugated board. W. C. George. 2,572,716, Oct. 23.
Apparatus for brazing fins to tubes. J. W. Brown, Jr. 2,572,593, Oct. 23.
Apparatus for collecting cigarettes from cigarette-making machines. D. W. Molins. 2,572,650, Oct. 23.
Apparatus for cooling and drying stereotype plates and for effecting the controlled application of cooling and drying fluids thereto in synchronism with the conveying thereof. O. C. Roesen, C. L. Ricards, and P. L. Tollison. 2,572,666, Oct. 23.
Apparatus for detecting flaws. W. C. Barnes and H. W. Keevil. 2,571,999, Oct. 23.
Apparatus for determining the angular positions of objects in wells. J. S. Goodwin and P. Campbell. 2,572,392, Oct. 23.
Apparatus for dispensing towels. H. E. Dosberg. 2,572,121, Oct. 23.
Apparatus for displaying pictorial representations. J. W. Down and D. R. Miller. 2,572,454, Oct. 23.
Apparatus for expanding perlite and the like. E. O. Howle, R. W. Jackson, and N. M. Foster. 2,572,484, Oct. 23.
Apparatus for folding cloth in predetermined lengths. G. C. Truslow and J. T. MacIsaac, Jr. 2,572,289, Oct. 23.
Apparatus for forming and applying appendages for pottery ware. W. S. Robson and A. E. Moore. 2,572,200, Oct. 23.
Apparatus for grinding auger bits and similar articles. L. and E. W. Stebelton, and H. P. Berington. 2,572,212, Oct. 23.
Apparatus for high-frequency heating and sealing fixtures. P. R. Menzel and J. W. West. 2,572,646, Oct. 23.
Apparatus for making marshmallows. E. T. Oakes. 2,572,049, Oct. 23.
Apparatus for manufacture of thread. H. A. Kuljian. 2,572,268, Oct. 23.
Apparatus for semiautomatically producing photographic type. H. J. A. de Goeij. 2,572,322, Oct. 23.
Apparatus for shaping materials. J. J. Kowalewski. 2,572,267, Oct. 23.
Apparatus for sizing and drying warp yarn. R. J. Taylor and J. F. Davenport. 2,572,288, Oct. 23.
Apparatus for the measurement of temperature by color comparison. A. Jagersberger. 2,572,488, Oct. 23.
Apparatus for twisting threads. C. J. Gonsalves. 2,572,135, Oct. 23.
Apparatus for use in the treatment of articles. J. C. Mills. 2,572,743, Oct. 23.
Apparatus for vaporizing liquid anesthetics. J. J. Richards. 2,572,199, Oct. 23.
Arc extinguishing attachment for airbreak switches. T. F. Johnson. 2,572,625, Oct. 23.
Ar-cyclohexylstyrene and polymer thereof. D. T. Mowry, and R. B. Seymour. 2,572,572, Oct. 23.
Armrest for automobiles, Portable. N. G. Schuessler. 2,572,526, Oct. 23.
Aromatic compositions and treating lactone material to prepare them. J. C. Hillyer and J. T. Edmonds. 2,572,563, Oct. 23.
Article orienting mechanism. C. P. Slagle. 2,572,773, Oct. 23.
Artificial bait. K. H. Reed. 2,572,817, Oct. 23.
Artificial denture. I. M. Funderburg, Jr. 2,572,714, Oct. 23.
Artificial eye comprising an eye implant and a connecting support for an eye-simulating member. J. H. Wilson. 2,572,416, Oct. 23.
Artificial porphyry or artificial granite and the product thereof, Manufacture of. I. Orsini. 2,572,510, Oct. 23.
Arylhalosilanes, Production of. A. J. Barry. 2,572,302, Oct. 23.
Asphalt tile cutter. F. I. White. 2,572,791, Oct. 23.
Atomiser. G. Steinberg. 2,572,213, Oct. 23.
Attachment for capacitor winding machines. W. H. Roberts. 2,572,663, Oct. 23.
Attachment for the ends of electric bus bar ducts. C. B. Turton. 2,572,218, Oct. 23.
Automatic accounting device. E. W. Flint and A. E. Joel, Jr. 2,572,804, Oct. 23.
Automatic rate of speed-change signal system. D. V. Healy. 2,572,144, Oct. 23.
Automatic synchronization of oscillators. E. H. Hugenholtz. 2,572,343, Oct. 23.
Automatic teat cup release device for milking machines. A. G. Perkins. 2,572,658, Oct. 23.
Automatically variable resistance electrical device. D. E. Fritz. 2,572,330, Oct. 23.
Automotive transmission incorporating hydrodynamic coupling. J. S. Brown. 2,572,310, Oct. 23.
Autothermic cracking reactor. K. T. Hartwig and T. B. Haufe. 2,572,338, Oct. 23.
Awning. C. M. Skaggs. 2,572,821, Oct. 23.
Awning, Window. J. M. Mayer and G. J. Snedden. 2,572,363, Oct. 23.
Balance chain. H. S. Pierce. 2,572,755, Oct. 23.
Balancing device. G. W. Johnson. 2,572,265, Oct. 23.
Bandage, Splayfoot. H. Horlacher. 2,572,152, Oct. 23.
Basket, Novelty. M. Kurhan. 2,572,631, Oct. 23.
Bass boost circuit. G. W. Wallin. 2,572,544, Oct. 23.
Bathtub. W. Fine. 2,572,463, Oct. 23.
Bearing surface. A. F. Folz. 2,572,021, Oct. 23.
Bedstead. R. W. Gimmler. 2,572,469, Oct. 23.
Bench plane with adjustable bit carrier. C. de la Source. 2,572,599, Oct. 23.
Bimetallic backing for artificial teeth. R. E. O'Morrow. 2,572,377, Oct. 23.
Binary asphaltic particles. G. B. Mollring. 2,572,744, Oct. 23.
Blind assembly nut. W. A. Bedford, Jr. 2,572,588, Oct. 23.
Blind flying device. M. W. Ortenburger. 2,572,656, Oct. 23.
Blind landing system. R. J. McElhannon. 2,572,043, Oct. 23.

Board: *See*—
Facia board.
Boat loading and unloading device. P. J. Stephens. 2,572,778, Oct. 23.
Boat structure. D. Hoppenstand. 2,572,623, Oct. 23.
Bobbin clutch. H. A. Simmons. 2,572,398, Oct. 23.
Boiler: *See*—
Electrode type water boiler.
Boiler with adjacent interconnected separately fired boiler. J. Berger. 2,572,100, Oct. 23.
Book- and copyholder. A. R. Keith. 2,572,731, Oct. 23.
Bottle-capping machine. A. H. Edgerton. 2,572,704, Oct. 23.
Bottle guide, Refrigerator rack. D. D. Allen. 2,572,090, Oct. 23.
Bowling game apparatus, Simulated. L. A. Durant and M. J. Binks. 2,572,456, Oct. 23.
Box lid support. A. H. Eichholz and H. Samuelson. 2,572,706, Oct. 23.
Box toe and counter materials, Unsupported. C. G. Newton, Jr. 2,572,184, Oct. 23.
Box with overlapped end walls. F. D. Bergstein. 2,572,239, Oct. 23.
Bracket: *See*—
Adjustable bracket. Maintenance bracket.
Brake: *See*—
Coaster brake.
Brake for fishing reels. G. F. Laing. 2,572,496, Oct. 23.
Brake structure for platform type casters or the like. D. I. Weisz, C. F. Maroney, and R. W. McGrew. 2,572,548, Oct. 23
Brushmaking machine. A. L. Le Febvre. 2,572,498, Oct. 23.
Bulb construction for thermostats. W. W. Carson, Jr. 2,572,446, Oct. 23.
Bunk, table, and seats for jails and the like, Combination. L. J. White. 2,572,435, Oct. 23.
Burner with internal fuel distributor, Sheet metal gas. A. L. Miller and P. Woolley. 2,572,273, Oct. 23.
Burner with modulated flame orifice, Gas. P. F. Swenson and M. F. Pravda. 2,572,675, Oct. 23.
Bushing and making same. G. H. Swart. 2,572,215, Oct. 23.
Cabinet: *See*—
Filing cabinet.
Calculating machine. P. J. L. Jullien. 2,572,811, Oct. 23.
Cam making fixture. L. H. Savage. 2,572,395, Oct. 23.
Camber adjusting tool. F. Nielsen. 2,572,654, Oct. 23.
Camera tripod. H. N. Gibson. 2,572,468, Oct. 23.
Carbamic acid esters of 3-hydroxy-1-alkyl-pyridinium salts, Disubstituted. R. Urban. 2,572,579, Oct. 23.
Carbon black from high-boiling aromatic oils or tars, Production of. B. R. Kramer. 2,572,734, Oct. 23.
Carboxylic acids from mercaptans. S. A. Ballard, K. E. Furman, and H. D. Finch. 2,572,238, Oct. 23.
Carburetor. M. Mallory. 2,572,169, Oct. 23.
Carburetor heat control. A. E. Stoltenberg. 2,572,404, Oct. 23.
Card holder for parking meters, Display. M. W. McKenzie. 2,572,174, Oct. 23.
Carpet rinsing apparatus. H. C. Hartenbach, Jr. 2,572,142, Oct. 23.
Carriage for lawn mower sharpeners, Tiltable. W. V. Smith. 2,572,530, Oct. 23.
Carrier: *See*—
Driftable wind propelled fishing line carrier.
Cart. Merchandise. R. C. Tackenberg. 2,572,780, Oct. 23.
Carton and carton blank. J. A. Gilbert. 2,572,610, Oct. 23.
Carton, Self-erecting. A. G. Edtmiller. 2,572,123, Oct. 23.
Carton setup machine. L. F. Carkhuff. 2,572,800, Oct. 23.
Catalytic process for alkylating aromatic compounds using a metal molybdite catalyst. F. S. Fawcett and B. W. Howk. 2,572,019, Oct. 23.
Catalytic rearrangement of pinene to camphene. H. R. Arnold and J. E. Carnahan. 2,571,997, Oct. 23.
Catchup dispenser. J. C. Lowe, Jr. 2,572,167, Oct. 23.
Cellulose ethers, Manufacture of. E. D. Klug and H. G. Tennent. 2,572,039, Oct. 23.
Cementing plug. C. C. Brown. 2,572,309, Oct. 23.
Centrifugal coil clutch. J. E. Selander. 2,572,528, Oct. 23.
Centrifugal separation of heavy boiler oil. G. H. Anderson. 2,572,425, Oct. 23.
Centrifugal separation of kettle soap. J. W. Bodman, F. J. Squire, and G. W. Busby, Jr. 2,572,102, Oct. 23.
Chain: *See*—
Antiskid tire chain. Balance chain.
Chain construction, Flexible. W. F. Hess. 2,572,620, Oct. 23.
Chain-driven wrench. E. T. Able and W. Krieger. 2,572,297, Oct. 23.
Chair: *See*—
Folding chair. Metal chair.
Massage chair. Vehicle chair.
Chambered soaking pit. H. Schaefer. 2,572,819, Oct. 23.
Charge and tax determining equipment for telephone systems. W. W. Carpenter and E. Vroom. 2,572,699, Oct. 23.
Charging and discharging mechanism for mixers. L. J. Sarosdy. 2,572,058, Oct. 23.
Chart, Computing travel. U. Torricelli. 2,572,781, Oct. 23.
Check feeding apparatus. M. L. Beyer. 2,572,304, Oct. 23.
Christmas tree lighting bulb socket support. H. B. Peterson. 2,572,382, Oct. 23.
Chuck jaw gauge. W. W. Cushman. 2,572,013, Oct. 23.
Cigarette rolling machine. C. W. Phillips. 2,572,193, Oct. 23.
Circuit: *See*—
Bass boost circuit. Spark discharge pulsing circuit.
Echo distance measuring circuit. Sweep circuit.
Peak leveling circuit.
Relay set-subscriber's lockout circuit.
Circuit breaker, High-voltage oil. C. Stulz. 2,572,406, Oct. 23.
Circuits, Thermionic valve. R. W. Elbourn. 2,572,016, Oct. 23.
Circuits, Thermionic valve. E. L. C. White. 2,572,792, Oct. 23.
Circuits, Trigger. C. B. Kinne. 2,572,038, Oct. 23.
Clamp: *See*—
Transformer clamp.
Clamp for building forms. E. J. McGough. 2,572,366, Oct. 23.
Clasp, Collar. R. P. Borst. 2,572,103, Oct. 23.
Classifying or separating comminuted material according to size. F. K. Mogensen. 2,572,177, Oct. 23.
Cleaner: *See*—
Golf ball cleaner.
Sponge and squeegee cleaner.
Cleaning device of the releasable swab type. R. C. Monroe and L. Y. McClement. 2,572,178, Oct. 23.
Cleaning emulsions off films. A. J. Stybel. 2,572,576, Oct. 23.
Clipper, Hair. T. Steinbach. 2,572,777, Oct. 23.
Closure. P. L. Porter. 2,572,383, Oct. 23.
Closure for valve-bag valves, Automatic. P. A. S. André. 2,572,686, Oct. 23.
Cloth-spreading holder. H. B. Schneider and H. Koretz. 2,572,204, Oct. 23.
Clothespin. P. E. Maull. 2,572,643, Oct. 23.
Clothespin, Spring-actuated. A. O. Hellkvist. 2,572,619, Oct. 23.
Clutch: *See*—
Bobbin clutch. Centrifugal coil clutch.
Clutch control mechanism. E. E. Prather. 2,572,659, Oct. 23.
Coaster brake. H. L. Mueller. 2,572,182, Oct. 23.
Coated particle compositions, Preparing. A. Sommer. 2,572,068, Oct. 23.
Coaxial control knob. V. Goodwin, Jr. 2,572,023, Oct. 23.
Coin mechanism for vending machines. E. H. Thompson. 2,572,539, Oct. 23.
Coin-operated electric iron. H. S. Kaufman. 2,572,350, Oct. 23.
Comber. J. S. Dudley and C. D. Brandt. 2,572,122, Oct. 23.
Combination main and pilot valve. A. L. Miller. 2,572,274, Oct. 23.
Combination tool. H. D. Andrews. 2,572,237, Oct. 23.
Combined machine tool. A. G. Plimmer and F. J. Kistner. 2,572,756, Oct. 23
Combustion apparatus provided with a flame-holding assembly. H. L. Hildestad. 2,572,723, Oct. 23.
Composite boards, Producing. P. F. Skoog. 2,572,772, Oct. 23.
Concentration and recovery of carotenoid pigments from palm oil. A. I. Gebhart. 2,572,467, Oct. 23.
Concentration of organic acids. F. Fortess, A. J. Rosenthal and B. B. White. 2,572,128, Oct. 23.
Condensation of aldehydes. L. W. Harris. 2,572,141, Oct. 23.
Condensation pump. R. E. Cortright. 2,572,449, Oct. 23.
Condenser assembling machine. J. S. Burge and D. E. Key. 2,572,312, Oct. 23.
Conducting an endothermic chemical reaction involving both gaseous and solid feed materials. V. F. Parry. 2,572,051, Oct. 23.
Connector having a resiliently biased automatic latch, Electrical. E. S. Child. 2,572,448, Oct. 23.
Contact protection. A. M. Curtis. 2,572,598, Oct. 23.
Container: *See*—
Live fish bait container. Truck end container.
One-piece paper container.
Container. A. G. Rayburn. 2,572,387, Oct. 23.
Container and cover therefor. B. L. Isaac. 2,572,486, Oct. 23.
Container cover. H. F. Kolell. 2,572,629, Oct. 23.
Continuous contact filtration. E. V. Bergstrom and G. J. Visconty. 2,572,433, Oct. 23.
Continuous muller. A. A. Wickland. 2,572,413, Oct. 23.
Control. G. J. Mucher. 2,572,651, Oct. 23.
Control mechanism. J. S. Wojcik. 2,572,553, Oct. 23.
Control mechanism for fluid pressure operated systems. L. A. Majneri. 2,572,270, Oct. 23.
Controller for electric systems. E. R. Ziegler. 2,572,295, Oct. 23.
Controlling shrinkage of castings. W. C. Slinkard and F. L. Duncan. 2,572,064, Oct. 23.

Controlling the dissipation of normally solid, volatile organic insecticides. T. W. Sarge and H. L. Schaefer. 2,572,669, Oct. 23.
Converting and quenching hydrocarbons, Method and apparatus for. D. J. Quigg and C. E. Alleman. 2,572,758, Oct. 23.
Conveyer, Coacting endless belt. J. H. McCusker. 2,572,172, Oct. 23.
Conveyer organization for positioning and transporting articles. E. A. Ernst. 2,572,325, Oct. 23.
Conveyer unloading apparatus. E. L. Griffin. 2,572,472, Oct. 23.
Conveying apparatus for milk cans. W. L. H. E. Würdemann. 2,572,233, Oct. 23.
Cooking apparatus. N. J. Peters. 2,572,192, Oct. 23.
Cooling enameled steel after firing. H. M. Davis. 2,572,702, Oct. 23.
Copolymers of acrylonitrile and quaternary ammonium salts containing polymerizable allyl or methallyl substituents. G. E. Ham. 2,572,561, Oct. 23.
Copolymers of acrylonitrile and quaternary ammonium salts containing polymerizable vinyl substituents. G. E. Ham. 2,572,560, Oct. 23.
Copolymers of sulfur dioxide and styrene. H. D. Noether and E. P. Irany. 2,572,185, Oct. 23.
Counter. R. H. Devanney. 2,572,015, Oct. 23.
Counter or tally, Hand-operated. A. Van Veen. 2,572,784, Oct. 23.
Coupling: *See*—
Drill stock power drive Flexible hose coupling.
coupling.
Cover: *See*—
Container cover.
Cover and illuminating means for telephones, Combined. M. K. Laporte. 2,572,089, Oct. 23.
Covering device. G. Herts. 2,572,722, Oct. 23.
Cumene, Preparation of. B. B. Corson and W. M. Kuts. 2,572,701, Oct. 23.
Current supply apparatus. H. H. Spencer. 2,572,210, Oct. 23.
Cushioning device. G. H. Fuehrer and C. W. Hosking. 2,572,465, Oct. 23.
Cutter: *See*—
Asphalt tile cutter. Internal pipe cutter.
Finger held tape cutter.
Cutter for vine crops. E. L. Scheidenheim and H. D. Hume. 2,572,203, Oct. 23.
Cylinder lens lapping machine. A. Butler. 2,572,443, Oct. 23.
Damper, Fireplace. W. L. Keilwitz. 2,572,491, Oct. 23.
Dance gliding device. E. R. Shaw. 2,572,871, Oct. 23.
Data copying machine. R. J. Crissy. 2,572,450, Oct. 23.
Deaerator. J. F. Sebald. 2,572,527, Oct. 23.
Dehydrofluorination process. G. N. Cade. 2,572,595, Oct. 23.
Dehydrohalogenated polyvinyl chloride polariser. J. E. Campbell. 2,572,315, Oct. 23.
Delayed signal generator. E. E. White. 2,572,083, Oct. 23.
Dental bite matrix. G. E. Dennis. 2,572,117, Oct. 23.
Dental retainer for matrix strips. D. Reiter. 2,572,198, Oct. 23.
Deodoriser, Room. C. C. Foster. 2,572,329, Oct. 23.
Desk and table, Folding. H. B. Barber. 2,572,585, Oct. 23.
Detecting flaws in rail or the like, Method and apparatus for. W. C. Barnes and H. W. Keevil. 2,571,998, Oct. 23.
Detergent composition. J. C. Harris and M. Kosmin. 2,572,895, Oct. 23.
Device for cleaning bowling balls. D. F. Freitas. 2,572,444, Oct. 23.
Device for generating multiple signals of different frequencies. S. J. Haefner and R. H. Smith. 2,572,024, Oct. 23.
Device for regulating the output voltage of an amplifier by means of thermosensitive resistances. C. Chalhoub. 2,572,198, Oct. 23.
Dial Lathe cross-feed indicating. G. W. Luning. 2,572,361, Oct. 23.
Dialkyl-delta-acylaminobutylmalonate and preparing same. D. E. Floyd. 2,572,020, Oct. 23.
Diaminodiphenylsulfone derivatives. M. Kosmin. 2,572,570, Oct. 23.
Dictation mask with cartridge type silencer. H. L. Webb. 2,572,547, Oct. 23.
Dielectric with N,N'-1-3 dimorpholino isopropanol as scavenger. E. F. Jackson. 2,572,808, Oct. 23.
Digesting garbage and sewage sludge, Method and apparatus for. H. E. Schlens. 2,572,767, Oct .23.
Disk polishing machine. C. C. Cratsenberg. 2,572,114, Oct. 23.
Dispenser: *See*—
Catchup dispenser. Iron powder dispenser.
Dispenser with means normally locking said dispenser and coin-actuated means preventing operation of said locking means, Liquid. E. H. Thompson. 2,572,540, Oct. 23.
Dispenser with pivoted ejector, Seed. J. A. Schwabenlender. 2,572,060, Oct. 23.
Dispensing cap for collapsible tubes, having spring-biased outlet element actuated by pressure of tube contents. L. J. Gardiner. 2,572,466, Oct. 23.
Dispensing device for calking material and the like. W. A. Sherbondy. 2,572,206, Oct. 23.
Dispensing roller device. E. A. Johnson. 2,572,034, Oct. 23.
Display rack. J. I. Blum. 2,572,434, Oct. 23.
Distance indicator including vernier means, Radio-echo. L. A. de Rosa. 2,572,014, Oct. 23.
Doll, Nursing. G. W. Wood, G. M. Shaw, and J. A. Scott. 2,572,795, Oct. 23.
Door: *See*—
Vertically moving door.
Door construction, Cabinet. M. A. Gersten. 2,572,717, Oct. 23.
Doorframe. R. S. Wade. 2,572,222, Oct. 23.
Door operating mechanism. J. J. Vaughn. 2,572,785, Oct. 23.
Drafting machine. C. W. Reed. 2,572,197, Oct. 23.
Drain fitting for washbasins and the like. L. Bloch. 2,572,101, Oct. 23.
Driftable wind propelled fishing line carrier. J. A. Hockenhull. 2,572,340, Oct. 23.
Drill stock power drive coupling. O. Phipps. 2,572,280, Oct. 23.
Drip channel for vehicles having convertible tops. C. S. Brandt and J. W. Karsted. 2,572,592, Oct. 23.
Drive mechanism. E. W. Worthington. 2,572,554, Oct. 23.
Dry ash removal for gas producer. F. von Gonsenbach. 2,572,543, Oct. 23.
Dry battery cell. G. B. Ellis. 2,572,017, Oct. 23.
Drying mechanism for electrolytic facisimile recorders. W. G. H. Finch. 2,572,462, Oct. 23.
Dump bailer. R. J. Klaasen and E. M. Olsen. 2,572,493, Oct. 23.
Dusting machine. G. C. Van Kessel. 2,572,542, Oct. 23.
Dynamometer system. F. G. Kelly. 2,572,626, Oct. 23.
Ear muff arrangement for caps. M. W. Mougel. 2,572,746, Oct. 23.
Easel, Photographic. B. B. Mahler. 2,572,168, Oct. 23.
Echo distance measuring circuit. J. L. Russell. 2,572,668, Oct. 23.
Elastomeric polysiloxanes and preparing them, utilising tertiary butyl peracetate. E. L. Warrick. 2,572,227, Oct. 23.
Electric water heater. W. B. Harris. 2,572,337, Oct. 23.
Electrical contact. L. T. Richardson and M. R. Swinehart. 2,572,662, Oct. 23.
Electrical heating jacket for laboratory apparatus. E. H. Briscoe, G. A. Stone, and L. C. Tarlton. 2,572,695, Oct. 23.
Electrical means for reproducing photographs. D. D. White and F. R. Osborn. 2,572,550, Oct. 23.
Electrical protective device for distribution lines. G. F. Lincks. 2,572,637, Oct. 23.
Electrical rectifier. E. T. Casellini. 2,572,801, Oct. 23.
Electrical system using photomultiplier tubes for spectographic analysis. G. H. Dieke. 2,572,119, Oct. 23.
Electrical transmission system. T. O. McCarthy and W. W. Thomas. 2,572,044, Oct. 23.
Electrode and envelope assembly for multielectrode space discharge devices. H. R. Jacobus, Jr. 2,572,031, Oct. 23.
Electrode and envelope assembly for multielectrode space discharge devices. H. R. Jacobus, Jr. and H. L. Lipschultz. 2,572,032, Oct. 23.
Electrode type water boiler. J. A. Tatem. 2,572,536, Oct. 23.
Electrolytic method of making boron. H. S. Cooper. 2,572,248, Oct. 23.
Electrolytic production of elemental boron. H. S. Cooper. 2,572,249, Oct. 23.
Electron discharge tube. J. D. McGee. 2,572,644, Oct. 23.
Electron space discharge device. W. W. Saldarini. 2,572,055, Oct. 23.
Electronic motor speed control. F. V. Wilkins. 2,572,824, Oct. 23.
Elevator door operating mechanism. A. E. Raqué. 2,572,196, Oct. 23.
Emergency brake operated switch. A. C. Miller. 2,572,742, Oct. 23.
End grinding of bearing rollers. T. A. Olson. 2,572,187, Oct. 23.
Engine: *See*—
Multiple expansion steam engine. Two-stroke internal-combustion engine.
Engine control mechanism. H. F. Baker. 2,572,096, Oct. 23.
Engine cooling, cylinder jacket, and head construction. C. G. A. Rosen, C. R. Maxwell, C. H. Paul, and R. J. Furstoss. 2,572,392, Oct. 23.
Engine starter control system. B. H. Short and J. W. Dyer. 2,572,397, Oct. 23.
Envelope feeding mechanism. A. Novick. 2,572,509, Oct. 23.
Etch for offset plate making. P. J. Whysmusis. 2,572,228, Oct. 23.
Ethylenediamines and preparation of the same, Substituted. K. L. Howard. 2,572,569, Oct. 23.
Expanding perlite. E. O. Howie. 2,572,483, Oct. 23.
Expansion device for flues of asphalt heating stills. A. M. Flynt, Sr. 2,572,713, Oct. 23.
Extracting juice from citrus pulp, Method and apparatus for. W. R. Ketchum. 2,572,352, Oct. 23.
Eye shields. M. Loos. 2,572,638, Oct. 23.

Facia board. B. B. Junkunc. 2,572,036, Oct. 23.
Failure alarm arrangements in multi-channel carrier current communication system. B. B. Jacobsen and F. Fairley. 2,572,030, Oct. 23.
Fastener: *See*—
Self-threading fastener.
Fastening device. J. Kral. 2,572,812, Oct. 23.
Feeding mechanism for balers and like machines. C. S. Morrison. 2,572,180, Oct. 23.
Field shelter, Sectional. B. Kekien and E. A. Drotning. 2,572,732, Oct. 23.
Filing cabinet. H. Lehner. 2,572,737, Oct. 23.
Filling corrugated vessels with rubber. C. D. Branson. 2,572,438, Oct. 23.
Film holder. H. H. Kugel. 2,572,735, Oct. 23.
Film holder for use in photographic cameras. J. S. Panosian. 2,572,189, Oct. 23.
Fine powders from gel materials, Preparation of. R. M. Deanesly. 2,572,321, Oct. 23.
Finger held tape cutter. H. A. Coldiron. 2,572,245, Oct. 23.
Fish bait, Artificial. W. Gabor. 2,572,608, Oct. 23.
Fish lure hook up. W. A. Hansen. 2,572,616, Oct. 23.
Fish splitting machine. A. L. Christiansen. 2,572,316, Oct. 23.
Fish stringer. N. O. W. Mulsow. 2,572,653, Oct. 23.
Fishing float. W. A. West. 2,572,790, Oct. 23.
Fishing reel. A. W. Clarke. 2,572,319, Oct. 23.
Fishing reel. F. C. King. 2,572,354, Oct. 23.
Flask support and connecting member. W. F. Butler. 2,572,314, Oct. 23.
Flexible hose coupling. W. A. Meisom. 2,572,645, Oct. 23.
Float controlled humidifier valve. E. W. Bottum. 2,572,692, Oct. 23.
Float-in or check valve. J. Antolch. 2,572,299, Oct. 23.
Flow and temperature responsive fluid conditioning system. F. H. Fellows and H. E. Weaver. 2,572,253, Oct. 23.
Fluid-operated servo mechanism. J. J. Righton. 2,572,390, Oct. 23.
Foldable bed frame. H. Margiloff. 2,572,642, Oct. 23.
Foldable golf bag support. S. Vanden Hoek. 2,572,408, Oct. 23.
Folding chair. A. A. Madsen. 2,572,739, Oct. 23.
Folding clothes rack. A. J. Rochow. 2,572,665, Oct. 23.
Folding maps and the like. G. E. A. Falk. 2,572,460, Oct. 23.
Folding stairs. E. E. Pierce. 2,572,281, Oct. 23.
Fountain apparatus, Drinking. T. B. Chace. 2,572,244, Oct. 23.
Fountain, Portable. R. J. Pearse. 2,572,379, Oct. 23.
Fractional frequency divider. A. E. Canfora. 2,572,698, Oct. 23.
Frame: *See*—
Foldable bed frame.
Frame for ladies' handbags and the like. J. Wachs. 2,572,683, Oct. 23.
Frequency meter. D. Weighton. 2,572,788, Oct. 23.
Frequency modulation ratio detector. B. Amos. 2,572,424, Oct. 23.
Frequency-shift keying system. E. W. Pappenfus. 2,572,512, Oct. 23.
Friction drive. A. G. Gifford. 2,572,718, Oct. 23.
Friction generator. J. Roudaut. 2,572,765, Oct. 23.
Fuel injection device. W. B. Smits. 2,572,209, Oct. 23.
Fuel injector. J. Dickson. 2,572,118, Oct. 23.
Fuel shutoff. W. E. Proctor. 2,572,195, Oct. 23.
Fur carroting machine. J. F. Ellis. 2,572,125, Oct. 23.
Furan derivative, Production of. T. J. Mooney. 2,572,371, Oct. 23.
Furan resins. B. Thomas. 2,571,994, Oct. 23.
Furnace: *See*—
Magazine type hot-air furnace.
Furnace and feeding means and the controls therefor, Electric. H. A. Strickland, Jr. and D. W. Riddell. 2,572,073, Oct. 23.
Furniture construction. D. A. Wallance. 2,572,081, Oct. 23.
Game piece simulating a sail boat. J. S. L. Wharton, Jr. 2,572,412, Oct. 23.
Garment hanger. S. Summer. 2,572,534, Oct. 23.
Garment, Maternity. A. J. Greendale. 2,572,614, Oct. 23.
Gas burner flame arrester. M. M. Cannon, Jr. and J. S. Light. 2,572,445, Oct. 23.
Gas tank lock. L. P. and R. W. Jones. 2,572,730, Oct. 23.
Gate: *See*—
Adjustable gate.
Gauge: *See*—
Chuck jaw gauge.
Gauge for plain and tapered bores, Pneumatic. W. A. Minix. 2,572,368, Oct. 23.
Gauge installation, Tire. E. A. Mitchell. 2,572,369, Oct. 23.
Gearing utilising detachable gear teeth. F. W. Guibert. 2,572,334, Oct. 23.
Generator: *See*—
Delayed signal generator. Portable steam generator.
Friction generator. Pulse generator.
Girdle, Sanitary and hygienic. F. Gillessen. 2,572,331, Oct. 23.
Glue supply means for packaging machines. M. P. Neal. 2,572,047, Oct. 23.
Golf ball cleaner. R. Kaplan. 2,572,349, Oct. 23.
Grappie. F. J. Light. 2,572,499, Oct. 23.
Grid and waffle design rug cushion. J. C. Gordon. 2,572,470, Oct. 23.
Grille guard for automobiles. H. E. Harden. 2,572,477, Oct. 23.
Grinding disk or pulverizer. J. Niethamer. 2,572,373, Oct. 23.
Grinding machine. H. A. Silven. 2,572,529, Oct. 23.
Grinding machine, Automatic. R. E. McCoy. 2,572,364, Oct. 23.
Guide for can-opening keys and tear strips. B. C. Schluter. 2,572,820, Oct. 23.
Gun charger, Automatic. G. A. Goepfrich and W. C. Rohn. 2,572,612, Oct. 23.
Gyro erecting means. H. Konet. 2,572,733, Oct. 23.
Hackamore. A. D. Ratliff. 2,572,517, Oct. 23.
Hand crimper. M. G. Lovinggood. 2,572,738, Oct. 23.
Handle: *See*—
Tool handle.
Handle and brush wiper for paint cans, Combined. J. D. Brennan. 2,572,694, Oct. 23.
Hanger: *See*—
Garment hanger.
Hardening the ends of railroad rails. R. M. Rooke. 2,572,201, Oct. 23.
Hardness tester. A. L. Sweigart. 2,572,779, Oct. 23.
Heat control unit. W. G. Pendleton, Sr. 2,572,657, Oct. 23.
Heat exchanger and reservoir for various media liquids or gases, Combination. A. L. Lawbaugh. 2,572,736, Oct. 23.
Heater: *See*—
Electric water heater.
Heating and cooling system, Reversible. F. A. Krueger. 2,572,356, Oct. 23.
Heel slotting machine. J. W. Ashley and J. F. Leahy. 2,572,091, Oct. 23.
Hinge, Flush type sliding. C. A. Peterson. 2,572,381, Oct. 23.
Hoist, Awning. B. E. Troutman. 2,572,077, Oct. 23.
Hoist, Floating. J. N. Locki. 2,572,165, Oct. 23.
Holder: *See*—
Cloth-spreading holder. Vacuum film holder.
Film holder. Water bag holder.
Razor blade holder.
Holder and dispenser, Suture. E. L. Ross. 2,572,522, Oct. 23.
Holder for articles of magnetic material. R. E. Phelon. 2,572,514, Oct. 23.
Holder for manifold typewriters, Carbon pack. L. A. Petit. 2,572,278–9, Oct. 23.
Holder for toothbrushes and paste tubes. C. R. Buckner. 2,572,697, Oct. 23.
Honing and stropping device for razors, Motor driven. P. R. McCauley. 2,572,271, Oct. 23.
Hook: *See*—
Trap hook.
Horn, Flexible handle large capacity. H. J. Burke. 2,572,006, Oct. 23.
Hydrazodisulfonate-positive halogen oxidizing agent systems for polymerization initiation. M. Hunt. 2,572,028, Oct. 23.
Hydrogenation of coal. F. B. Sellers. 2,572,061, Oct. 23.
Hydrolysis of hydrocarbon halides. A. De Benedictis, S. A. Ballard, and G. W. Hearne. 2,572,251, Oct. 23.
Hydroxybenzene sulfonamidopyrazines and preparation of same. M. E. Hultquist and Y. SubbaRow. 2,572,728, Oct. 23.
Ice maker and bottle cooler. G. Muffly. 2,572,508, Oct. 23.
Ignition testing device. A. J. Beeble. 2,572,303, Oct. 23.
Illuminating attachment for telephones. M. K. Laporte. 2,572,815, Oct. 23.
Illuminating means for containers provided with hinged closures, Automatically actuated. M. C. Baillie. 2,572,095, Oct. 23.
Illuminated shoe device. N. Rikelman. 2,572,760, Oct. 23.
Impedance transforming network. P. H. Smith. 2,572,672, Oct. 23.
Impregnating electrical motor armatures. F. M. Poole and J. J. Foye, Jr. 2,572,515, Oct. 23.
Improved liquid-liquid contacting process using di (beta-cyanoethyl)-amine. H. R. Antle. 2,572,583, Oct. 23.
Improving cellulose ethers. J. P. Chittum. 2,572,559, Oct. 23.
Indexing head. E. Kiraly. 2,572,161, Oct. 23.
Indicator: *See*—
Vehicle direction indicator.
Indicator for rotary wing aircraft, Blind flying. C. A. Moeller. 2,572,649, Oct. 23.
Indicator for typewriters, Bottom margin. J. G. Allemann. 2,571,996, Oct. 23.
Indoor television antenna mounting. F. E. Dudley. 2,572,603, Oct. 23.
Ingot mold splash bowl. W. R. Patterson. 2,572,754, Oct. 23.
Injury pad. R. F. Logan. 2,572,360, Oct. 23.

Inspecting electric lamp filaments. R. B. Reid. 2,572,573, Oct. 23.
Instrument, Long-scale electrical measuring. J. L. Zar. 2,572,556, Oct. 23.
Instrument, Musical. W. L. Shirley. 2,572,207, Oct. 23.
Instrument, Temperature compensated moving coil. H. J. Lovegrove and M. G. McBride. 2,572,639, Oct. 23.
Insulation embodied ballast unit. T. S. Björklund. 2,572,590, Oct. 23.
Internal pipe cutter, R. F. Glore and K. H. Schunke, 2,572,611, Oct. 23.
Iron: *See*—
Coin-operated electric iron.
Iron powder dispenser. C. R. Upham. 2,572,078, Oct. 23.
Joint for well swabs, Safety. J. E. Redpath. 2,572,388, Oct. 23.
Juicer, Fruit. O. J. Smith. 2,572,286, Oct. 23.
Key chain with religious reminder attached thereto. W. L. Dennis. 2,572,703, Oct. 23.
Knife for shoe sole sewing machines, Work grooving. P. A. Matter. 2,572,170, Oct. 23.
Labeled package. L. L. Salfisberg. 2,572,056, Oct. 23.
Ladder, Extension. M. Smith. 2,572,775, Oct. 23.
Lamp: *See*—
Oscillating signal lamp.
Lamp socket assembly and apertured support. H. J. Murphy. 2,572,813, Oct. 23.
Latch mechanism. W. H. Kraus. 2,572,630, Oct. 23.
Lathe and motor mount. J. and C. Mongelli and F. Bender. 2,572,506, Oct. 23.
Lathe spindle speed control mechanism. W. G. Hoelscher. 2,572,479, Oct. 23.
Leader, trolling spinner, and fishhook, Combination. K. R. Hatt. 2,572,721, Oct. 23.
Lifter and bottle opener, Vacuum cap. A. H. and A. Foster. 2,572,607, Oct. 23.
Lighter for motor vehicles, Safety cigarette. O. Hanson. 2,572,475, Oct. 23.
Lighting fixture with adjustable spotlight, Built-in. E. F. Guth. 2,572,525, Oct. 23.
Lighting means and systems for airplane landing runways. W. A. Custer. 2,572,451, Oct. 23.
Limb connection for display figures. F. Schumacher and F. Ruppe. 2,572,285, Oct. 23.
Live fish bait container. H. E. Robertson. 2,572,763, Oct. 23.
Load handling machine. W. M. Huston. 2,572,029, Oct. 23.
Load transfer device. D. E. Willard. 2,572,552, Oct. 23.
Loading boom construction. A. E. Hall. 2,572,336, Oct. 23.
Locating tool. J. Maxwell. 2,572,502, Oct. 23.
Lock: *See*—
Gas tank lock.
Lock and compensator for hydraulic systems. A. R. Patrick. 2,572,190, Oct. 23.
Lock for irrigation pipe couplers. R. C. Wyss. 2,572,419, Oct. 23.
Lock for vehicle doors. A. Fuller. 2,572,129, Oct. 23.
Lock keeper, Adjustable. J. W. Austine. 2,572,428, Oct. 23.
Locking rivet. J. P. Francesco. 2,572,022, Oct. 23.
Logging arch, Self-propelled. R. G. Le Tourneau. 2,572,636, Oct. 23.
Loom: *See*—
Spool-gripper carpet loom.
Loom reed. E. J. McFetters. 2,572,365, Oct. 23.
Loose-leaf binder. E. J. Bloore. 2,572,305, Oct. 23.
Lubricator for air lines. C. S. Brush. 2,572,440, Oct. 23.
Machine and method for rounding food products. S. M. Hibbard. 2,572,262, Oct. 23.
Machine and method of making ice or the like. C. Field. 2,572,328, Oct. 23.
Machine for making corner mounts. G. Stokinger. 2,572,673, Oct. 23.
Machine for marking buttonholes and buttons on garments. F. Urish. 2,572,682, Oct. 23.
Machine for sanding broom handles. C. B. Oas and C. H. Leonard. 2,572,374, Oct. 23.
Magazine type hot-air furnace. W. E. Strange. 2,572,674, Oct. 23.
Magnesia refractory and making. L. W. Austin. 2,572,688, Oct. 23.
Magnetic induction accelerator. R. Wideröe. 2,572,414, Oct. 23.
Magnetic induction accelerator. R. Wideröe. 2,572,551, Oct. 23.
Magnetostriction device. L. L. Burns, Jr. 2,572,313, Oct. 23.
Magnifier for pulse beat indicators. W. C. Rice. 2,572,389, Oct. 23.
Maintenance bracket. P. T. Haury and A. J. Wier. 2,572,617-18, Oct. 23.
Making electric communication cables, Method and machine for. J. R. Pheasey. 2,572,052, Oct. 23.
Making fine mesh silica screens. H. B. Law. 2,572,497, Oct. 23.
Making glassy phosphate compositions. R. W. Liddell, Jr. 2,572,359, Oct. 23.
Making plain face nuts or the like. R. L. Wilcox. 2,572,793, Oct. 23.
Manually operated impact tool. R. F. Jackson. 2,572,487, Oct. 23.
Manufacturing plastic material of great mechanical strength. P. A. Talet and P. Cor. 2,572,407, Oct. 23.
Marker buoy for lost objects, Automatic. C. C. Swyers. 2,572,676, Oct. 23.
Mass spectrograph. A. J. Dempster. 2,572,600, Oct. 23.
Massage chair. R. A. Labbe. 2,572,040, Oct. 23.
Massaging devices, Hand. L. C. Kelly. 2,572,627, Oct. 23.
Mat, Auto washing. T. R. Teters. 2,572,538, Oct. 23.
Matrices for simulated log structures, Making. W. W. Maier. 2,572,269, Oct. 23.
Measuring and recording the filtrability of fluids. P. L. Boucher and N. A. F. Rowntree. 2,572,436, Oct. 23.
Mechanical binding. C. D. Trussell. 2,572,681, Oct. 23.
Mechanical pressure operated actuating device. R. W. Peters. 2,572,380, Oct. 23.
Mechanism for dispensing measured lengths of tacky tape. C. C. and W. R. Powell. 2,572,757, Oct. 23.
Mechanism for the operation of valves. E. A. Rockwell. 2,572,520, Oct. 23.
Mechanism for transferring articles and wrappers to turrets. A. G. Rose. 2,572,391, Oct. 23.
Mechanism for trimming multisheet printed products. J. O. Crabtree and C. G. Quick. 2,572,802, Oct. 23.
Mercury-to-mercury double contact switch. E. A. Miller. 2,572,505, Oct. 23.
Metal chair. E. C. Booth. 2,572,591, Oct. 23.
Metal molybdites and their preparation. H. R. Arnold and J. E. Carnahan. 2,572,300, Oct. 23.
Metal resinates and preparation. W. E. St. Clair and R. V. Lawrence. 2,572,071, Oct. 23.
Metallizable monoazo dyestuffs. H. Ruckstuhl, O. Senn, and W. Wehrli. 2,572,394, Oct. 23.
Meter: *See*—
Frequency meter.
Method and technique of food drying. E. Rivoche. 2,572,761, Oct. 23.
Microphone, Velocity type. H. F. Olson and J. Preston. 2,572,376, Oct. 23.
Microphone with carbon electrodes. E. Schircks. 2,572,525, Oct. 23.
Mineral oil compositions containing the reaction product of polystyrene and an alkyl ester of an unsaturated acid. J. M. Butler. 2,572,557, Oct. 23.
Mineral oil containing alkylated polystyrene. J. M. Butler. 2,572,558, Oct. 23.
Mining machine, Coal. M. R. Stevenson. 2,572,403, Oct. 23.
Mixer for lightweight concrete. M. Janhunen. 2,572,345, Oct. 23.
Mixing attachment for high-speed machines for pulping foodstuffs, etc. T. Oertli. 2,572,375, Oct. 23.
Moistener, Envelope. W. L. Paul. 2,572,513, Oct. 23.
Moistening means for duplicating apparatus. H. P. Keil. 2,572,158, Oct. 23.
Moisture eliminating device for compressed-air systems. F. W. Burd. 2,572,311, Oct. 23.
Mono-ethers of 1-4-dihydroxynaphthalene, Preparation of. C. M. Smith. 2,572,822, Oct. 23.
Motor: *See*—
Synchronous motor.
Thermoelectric timer motor.
Motor supporting means for agricultural elevators, Adjustable. W. Vutz. 2,572,290, Oct. 23.
Mounting: *See*—
Indoor television antenna mounting.
Railway truck axle box mounting.
Mounting cutting blades on shafts. C. A. Martin. 2,572,042, Oct. 23.
Mounting for fluid motors, Shaft. E. C. Horton and E. V. Schaal. 2,572,727, Oct. 23.
Multichannel intermodulation interference reduction radio communication system. W. R. Young, Jr. 2,572,235, Oct. 23.
Multilayer photographic film unit containing a liquid and having one layer movable with respect to another layer. E. H. Land. 2,572,358, Oct. 23.
Multiple expansion steam engine. H. G. Mueller. 2,572,652, Oct. 23.
Multiple temperature control system. T. K. Greenlee. 2,572,136, Oct. 23.
N, N'-diacyl aryl disulfonamides. D. Aelony. 2,571,995, Oct. 23.
Nailer, Semiautomatic electric. A. J. Curtis. 2,572,012, Oct. 23.
Nitric acid-sodium hydroxide digestion of lignocellulose. G. M. H. Desorbay. 2,571,993, Oct. 23.
Nitropolystyrene, Production of. H. Zenftman and A. McLean. 2,572,420, Oct. 23.
Nozzle, Burner. G. A. Fisher. 2,572,606, Oct. 23.
Nozzle, Extruding. J. D. Tench. 2,572,677, Oct. 23.
Nutcracker and ice crusher. M. Paul. 2,572,378, Oct. 23.
Oil pump assembly. F. H. Davis. 2,572,250, Oct. 23.
One-piece paper container. J. Norden. 2,572,655, Oct. 23.
Organ intensity control. F. M. Schmidt. 2,572,283, Oct. 23.
Organo silanes and their production. J. L. Speier, Jr. 2,572,402, Oct. 23.
Orifice shoe for well pipes. C. C. Brown. 2,572,308, Oct. 23.
Oscillating signal lamp. P. Brosier. 2,572,439, Oct. 23.
Oscillation damper for full swiveling wheels. A. E. Bishop. 2,572,589, Oct. 23.

Oscillator, Low impedance. I. W. Cox, L. D. Drugmand, and R. E. Mekelburg. 2,572,320, Oct. 23.
Package of box blanks. H. Audino. 2,572,584, Oct. 23.
Pad: *See*—
Injury pad.
Steel wool pad.
Paintbrush press. L. V. Hook. 2,572,807, Oct. 23.
Paint compositions. H. D. Erasmus and J. B. Culverston. 2,572,252, Oct. 23.
Pallet mounting structure, Portable. L. D. Johnson. 2,572,348, Oct. 23.
Pan, Drain. R. T. Anderson. 2,572,236, Oct. 23.
Para-amino, gamma resorcylic acid and salts, and manufacture. K. Schoen. 2,572,284, Oct. 23.
Path-indicating system for mobile craft. C. J. Hirsch. 2,572,725, Oct. 23.
Peak leveling circuit. R. C. Moore. 2,572,179, Oct. 23.
Pen, Plunger-type fountain. L. E. Harbison. 2,572,476, Oct. 23.
Pendulum device. G. V. Rylsky. 2,572,766, Oct. 23.
Phonograph, Automatic. O. Gierwiatowski. 2,572,609, Oct. 23.
Phonograph record molding compositions and records. W. Ayers. 2,572,798, Oct. 23.
Phonograph reproducing device. S. A. Hall. 2,572,139, Oct. 23.
Phonographic translating device for recording and reproducing. L. Z. La Forest. 2,572,495, Oct. 23.
Phosphate glass compositions, Making. A. A. Markson. 2,572,362, Oct. 23.
Phosphorus-containing resins and preparing the same. A. D. F. Toy. 2,572,076, Oct. 23.
Photochemical formation of benzene hexachloride. L. Berl. 2,572,002, Oct. 23.
Photographic print drying and mounting apparatus. D. H. Hester. 2,572,148, Oct. 23.
Photographic product comprising a fluid processing agent and apparatus for use in connection therewith. E. H. Land. 2,572,357, Oct. 23.
Photographic shutter, Electrically operated. F. P. Willcox. 2,572,229, Oct. 23.
Pickup assembly and relief member therefor, Dual purpose. B. N. Fisher. 2,572,712, Oct. 23.
Picture viewing device. J. J. Dilks. 2,572,602, Oct. 23.
Pipe: *See*—
Tobacco pipe.
Pipe holding slip. W. L. Church. 2,572,318, Oct. 23.
Pipe nipple chuck. C. E. Wright. 2,572,418, Oct. 23.
Piston for internal-combustion engines. H. Hall. 2,572,260, Oct. 23.
Plant propagation. W. R. Grove. 2,572,473, Oct. 23.
Plastic article and method of treatment. R. and A. M. Ginell. 2,572,719, Oct. 23.
Plastic tall oil rosin fraction. W. A. Jordan and M. S. Herban. 2,572,035, Oct. 23.
Platform insert for shoes. A. D. Schwartz. 2,572,670, Oct. 23.
Plow with rotary stalk cutter. G. D. Alvarez. 2,572,298, Oct. 23.
Plug: *See*—
Cementing plug.
Plug for cementing wells, Expansible. H. R. Steward. 2,572,533, Oct. 23.
Plunger type switch. C. A. Woodcock, S. E. Womack, and J. W. Hobbs. 2,572,294, Oct. 23.
Polyvinyl butyral product. R. E. Cairns. 2,571,992, Oct. 23.
Porosity tester for coating materials. T. J. Connor. 2,572,597, Oct. 23.
Porous composition made with substituted carbamyl amino acid as blowing agent. E. W. Gluesenkamp. 2,572,568, Oct. 23.
Portable steam generator. W. G. Chausse. 2,572,317, Oct. 23.
Pouring castings. J. H. Keating. 2,572,037, Oct. 23.
Power-actuated vehicle-moving apparatus. J. Anderson and A. Fraser. 2,572,687, Oct. 23.
Power control switch for pumping wells. J. T. Montgomery. 2,572,372, Oct. 23.
Power-operated adjusting means for harvester reels. L. M. Chapman and R. E. Whitney. 2,572,700, Oct. 23.
Power plant mechanism. E. R. Price. 2,572,660, Oct. 23.
Power take-off for automotive vehicles, Adjustable. W. M. Crump. 2,572,115, Oct. 23.
Prefabricating glass block panels. T. K. Almroth and T. K. Almroth, Jr. 2,572,580, Oct. 23.
Preselective transmission control for automotive vehicles. G. T. Randol. 2,572,054, Oct. 23.
Preserving moisture-containing cellular foodstuffs. E. Rivoche. 2,572,762, Oct. 23.
Press: *See*—
Paintbrush press.
Pressure applicator for plastic bindings of hard cased books. F. J. Cashin and H. W. Wolf. 2,572,243, Oct. 23.
Pressure regulator for fuel lines. H. L. Vining. 2,572,786, Oct. 23.
Pressure relief valve. M. W. Patrick. 2,572,816, Oct. 23.
Prevention of corrosion in process of extracting mercaptans. R. A. Baker. 2,572,301, Oct. 23.
Prevention of solid deposits in Fischer-Tropsch plant lines. W. C. Lanning. 2,572,633, Oct. 23.
Primary cell and battery and making same. H. M. Zimmerman and N. C. Cahoon. 2,572,296, Oct. 23.
Printing telegraph apparatus. A. E. Thompson. 2,572,075, Oct. 23.
Processing electroplated spring steel parts. K. B. Valentine. 2,572,219, Oct. 23.
Producing a spinnable sliver. B. G. H. Van der Jagt. 2,572,783, Oct. 23.
Producing decorative bowl-shaped articles of glass by centrifugal action. S. E. R. Palmqvist. 2,572,511, Oct. 23.
Prop mechanism for semitrailers. J. J. Black. 2,572,240, Oct. 23.
Propylene tetramer production. G. P. Hinds, Jr., W. K. Meerbott, and G. J. Reno. 2,572,724, Oct. 24.
Protective system. H. H. Wittenberg. 2,572,292, Oct. 23.
Public address system, Portable. R. H. Voigt. 2,572,221, Oct. 23.
Pugmill. E. M. Skipper. 2,572,063, Oct. 23.
Pulse echo object locator. P. K. Chatterjea and L. W. Houghton. 2,572,010, Oct. 23.
Pulse generator. M. Elie. 2,572,707, Oct. 23.
Pulse width controlling relay system. F. C. Wallace. 2,572,080, Oct. 23.
Pump: *See*—
Condensation pump.
Pumping unit, Hydraulic. P. E. Noll and T. D. Aller. 2,572,748, Oct. 23.
Purification of effluent from distilleries. J. Charlton. 2,572,447, Oct. 23.
Quartz crystals, Producing. D. M. Ruggles. 2,572,667, Oct. 23.
Rack: *See*—
Display rack.
Folding clothes rack.
Sanitary knife rack.
Rack. E. E. Kintz. 2,572,355, Oct. 23.
Radiation-sensitive cells and making same. A. von Hippel, M. C. Bloom, and J. H. Schulman. 2,572,079, Oct. 23.
Radio direction finder having sense antenna. J. G. Speer. 2,572,211, Oct. 23.
Radio receiver. A. Preisman. 2,572,053, Oct. 23.
Radio-wire recorder, Combination. L. M. Kay. 2,572,157, Oct. 23.
Rail brace, Automatic adjustable. A. R. Schulze. 2,572,769, Oct. 23.
Railway signal control system. H. S. Young. 2,572,234, Oct. 23.
Railway truck axle box mounting. G. F. Couch. 2,572,113, Oct. 23.
Rake cleaner attachment. J. Conway. 2,572,247, Oct. 23.
Razor blade holder. E. F. Hardey. 2,572,261, Oct. 23.
Razor, Magazine type safety. P. H. Borden. 2,572,005, Oct. 23.
Razor, Safety. W. L. Mills. 2,572,367, Oct. 23.
Receipt issuing night depository. J. N. Binns, T. E. Dugle, and A. F. Alt. 2,572,003, Oct. 23.
Receiving system. L. F. Jaggi and A. D. Shearer. 2,572,033, Oct. 23.
Record changer, Automatic. I. D. Wallach and G. Clark. 2,572,684, Oct. 23.
Record guide mechanism. O. C. Booher and J. M. Baxter. 2,572,004, Oct. 23.
Recorder drive mechanism. C. E. Walton. 2,572,546, Oct. 23.
Recorder for collections. H. N. Bliss and H. B. Vroom. 2,572,241, Oct. 23.
Recording and reproducing device, Magazine type magnetic. M. Camras. 2,572,596, Oct. 23.
Recovering parthenyl cinnamate and essential oils from guayule resin. J. W. Meeks, T. F. Banigan, Jr., and R. W. Planck. 2,572,046, Oct. 23.
Recovery of aconitic acid from aconitate salt. R. N. Evans. 2,572,018, Oct. 23.
Rectifying apparatus. W. H. Bixby. 2,572,690, Oct. 23.
Reducing foaming in protein-containing mixtures. J. S. Wallerstein and R. T. Alba. 2,572,823, Oct. 23.
Reducing static electricity charges in nonelectroconductive styli. D. R. Andrews. 2,572,426, Oct. 23.
Reel: *See*—
Fishing reel.
Winding reel.
Thread-advancing reel.
Reel attachment for telephones, Cord. J. H. Hawkins. 2,572,478, Oct. 23.
Refining tower. J. F. Jordan. 2,572,489, Oct. 23.
Refrigerant control system. H. J. Matteson. 2,572,501, Oct. 23.
Refrigerator, Multiple compartment. F. V. Gallaugher. 2,572,715, Oct. 23.
Registering device for use with machines handling punctured sheets. H. Robat. 2,572,691, Oct. 23.
Relay set-subscriber's lockout circuit. H. L. Horwitz. 2,572,027, Oct. 23.
Removal of inorganic sulfates from alkali metal benzenesulfonate and its homologues. D. R. Jackson, W. K. Langdon and T. H. Vaughn. 2,572,344, Oct. 23.
Repellence of insects. C. E. Tissot and L. D. Goodhue. 2,572,577, Oct. 23.
Resilient roller. J. E. Moe. 2,572,276, Oct. 23.
Resilient support for antifriction bearings. T. Watt. 2,572,411, Oct. 23.
Resistance element. C. H. Sparklin. 2,572,069, Oct. 23.
Respirator. W. M. Folberth. 2,572,254, Oct. 23.
Respirator, Portable. F. T. Wallin. 2,572,787, Oct. 23.
Ripple-free phase sensitive rectifier. R. F. Wild. 2,572,794, Oct. 23.

Rivet assembly, Expansible. R. S. Colley and H. E. Wilt. 2,572,246, Oct. 23.
Roasting apparatus, Coffee. A. S. Torres. 2,572,678, Oct. 23.
Roasting method. A. S. Torres. 2,572,679, Oct. 23.
Roller skate truck construction. T. C. Glenn. 2,572,133, Oct. 23.
Rosin acid esters. H. Wittcoff and J. R. Roach. 2,572,086, Oct. 23.
Rotary drill stabilizer. C. C. Brown and F. F. Waltermire. 2,572,307, Oct. 23.
Rule, Dividend figuring slide. C. A. Steinkoenig. 2,572,531, Oct. 23.
Safety control and ignition system for fuel burners. R. C. Main. 2,572,500, Oct. 23.
Safety control for liquid-cooled devices. J. M. Andrews. 2,572,582, Oct. 23.
Safety device for bathtubs. K. L. Hansen. 2,572,615, Oct. 23.
Safety device for protecting the dead centers of machine tools. H. R. Bruet. 2,572,696, Oct. 23.
Sanitary knife rack. K. W. Jeter, Sr and V. A. D. Shreiffer. 2,572,624, Oct. 23.
Saw guard, Circular. M. C. Evans. 2,572,326, Oct. 23.
Saw, Rim driven circular. A. P. Smith. 2,572,065, Oct. 23.
Scoreboard, Cribbage. L. G. Peterson. 2,572,277, Oct. 23.
Screw-cutting lathe. E. L. Ritter. 2,572,759, Oct. 23.
Seal. J. Agger. 2,572,422, Oct. 23.
Sealed channel protector for blind nuts. F. E. Snow. 2,572,401, Oct. 23.
Seat. J. T. Rogers. 2,572,521, Oct. 23.
Seat cushion assembly. C. H. Bell. 2,572,689, Oct. 23.
Seat for aircraft, Vertically adjustable. S. H. Stoner. 2,572,072, Oct. 23.
Seat structure, Cushioned and hinged. S. B. Hendrickson. 2,572,145, Oct. 23.
Sectional tapered bottom ring for hot tops. R. E. Daley. 2,572,452, Oct. 23.
Sedimentation tank. B. C. Baldwin. 2,572,098, Oct. 23.
Seismic survey system for submerged areas. R. L. Galloway. 2,572,255, Oct. 23.
Self-burnishing contact point. A. Bronstein. 2,572,105, Oct. 23.
Self-threading fastener. F. H. Merwin. 2,572,647, Oct. 23.
Separation of alpha-casein from whole casein. N. J. Hipp, M. L. Groves, and T. L. McMeekin. 2,572,026, Oct. 23.
Separation of petroleum-in-water emulsions. A. Shapiro and A. F. Clark. 2,572,223, Oct. 23.
Separator. W. Bakker. 2,572,097, Oct. 23.
Setscrew. H. W. Goff. 2,572,613, Oct. 23.
Sewing machine. G. C. Lennox. 2,572,635, Oct. 23.
Sheet metal panel. E. G. and W. H. Gerner. 2,572,257, Oct. 23.
Shock absorber for railway car trucks. A. E. Dentler. 2,572,453, Oct. 23.
Shoe, Running. F. C. Treat. 2,572,680, Oct. 23.
Shoemaking apparatus. H. W. Cohen and I. Galper. 2,572,011, Oct. 23.
Shovel, Furnace cleaning. E. Williams. 2,572,230, Oct. 23.
Shuttle changing mechanism. E. A. Butin. 2,572,107, Oct. 23.
Shuttle guard. P. C. Consoletti. 2,572,111, Oct. 23.
Signal and circuits therefor, Directional. B. F. Bailey. 2,572,094, Oct. 23.
Signal circuit cutout. C. W. Slocum. 2,572,400, Oct. 23.
Signal receiving system. E. R. Taylor. 2,572,216, Oct. 23.
Signaling system, Selective azimuth. G. B. Litchford and J. Lyman. 2,572,041, Oct. 23.
Signaling system, Voice-frequency. V. J. Terry, T. F. S. Hargreaves, and W. F. Gould. 2,572,074, Oct. 23.
Silica sols, Preparing. H. S. Trail. 2,572,578, Oct. 23.
Size consistency control. J. G. Kershaw and J. A. Carrier. 2,572,351, Oct. 23.
Skate and shoe construction. H. Ornstein. 2,572,050, Oct. 23.
Skew brick for kilns. D. Burchett. 2,572,242, Oct. 23.
Skimmer, Hot soup grease. A. Schmeiler. 2,572,524, Oct. 23.
Sled. C. W. Sundberg. 2,572,214, Oct. 23.
Sleeping bag and blanket, Combination. J. Kaplan. 2,572,490, Oct. 23.
Slide percussion tool. G. J. Moeller. 2,572,370, Oct. 23.
Slide table top for tables, Supplementary. M. Greitzer. 2,572,334, Oct. 23.
Smoke detector and signal for Diesel locomotives. C. N. Cahuzac and D. A. Diehl. 2,572,008, Oct. 23.
Smoker's appliance. J. L. Williams. 2,572,415, Oct. 23.
Snap switch. W. H. Hollinshead. 2,572,622, Oct. 23.
Soap composition, Aluminum. K. D. Ashley and S. Mason. 2,572,429, Oct. 23.
Spark discharge pulsing circuit. A. E. Young. 2,572,087, Oct. 23.
Speed control for hydraulic systems with compensation for viscosity changes. R. E. Price. 2,572,385, Oct. 23.
Spinning device for carring screw clamps. A. A. de Wilde. 2,572,601, Oct. 23.
Splitter, Vegetable. L. R. Shadduck. 2,572,770, Oct. 23.
Sponge and squeegee cleaner. J. T. Coppe. 2,572,112, Oct. 23.
Spool-gripper carpet loom. W. Felton. 2,572,327, Oct. 23.
Stabilized solutions of metallic salts. S. B. Elliott and R. J. O'Hara. 2,572,803, Oct. 23.
Stabilising wood. A. J. Stamm and H. Tarkow. 2,572,070, Oct. 23.
Starter jaw actuating mechanism. R. W. Stelzel. 2,572,532, Oct. 23.
Steel wool pad. R. P. Hood and C. W. Gebhardt. 2,572,150, Oct. 23.
Steering device, Hydraulic. P. J. Noordeman. 2,572,749, Oct. 23.
Steering mechanism for semitrailer supporting mechanisms. H. J. van Doorne. 2,572,410, Oct. 23.
Stencilling apparatus for charging molds. S. Silberkraus and G. Trojanowski. 2,572,771, Oct 23.
Stock-bar feed for machine tools. J. H. McCoy. 2,572,741, Oct. 23.
Stool base structure. G. H. Bosarth. 2,572,437, Oct. 23.
Storage battery construction. J. C. Duddy. 2,572,324, Oct. 23.
Storing and serving device by means of which food may be warmed and/or cooked. B. Hoppe. 2,572,151, Oct. 23.
Strainer. E. J. Galloway. 2,572,131, Oct. 23.
Strainer. K. McFarlin. 2,572,173, Oct. 23.
Strap-end retaining device. E. Prestinari. 2,572,384, Oct. 23.
Striping machine. E. L. Taylor. 2,572,537, Oct. 23
Subgrade and shouldering machine. H. T. Smith. 2,572,776, Oct. 23.
Suction dredge relief valve system. D. L. Hofer. 2,572,263, Oct. 23.
Suction hose, Collapsible. G. N. Sexton. 2,572,062, Oct. 23.
Sulfenyl thiocyanates, Organic. C. M. Himel and L. O. Edmonds. 2,572,567, Oct. 23.
Sulfonation of organic compounds. J. K. Fincke. 2,572,605, Oct. 23.
Support: *See*—
Box lid support.
Christmas tree lighting bulb socket support.
Foldable golf bag support.
Supporting and locking removable panels. M. Smith and F. A. Leskovec. 2,572,774, Oct. 23.
Supporting mechanism for semitrailers. H. J. van Doorne. 2,572,409, Oct. 23.
Surface ornamentation. E. Millmather, Jr. 2,572,275, Oct. 23.
Sweep circuit. H. L. Barney. 2,572,586, Oct. 23.
Sweetening process. H. A. Ricards, Jr. and J. W. Ryder. 2,572,519, Oct. 23.
Switch: *See*—
Emergency brake operated switch.
Mercury-to-mercury double contact switch.
Plunger type switch.
Snap switch.
Switch. J. B. Shockley. 2,572,396, Oct. 23.
Switch means for chutes, Deflecting. H. K. Moneypenny, G. H. Townend, and F. Beardsmore. 2,572,745, Oct. 23.
Switch structure, Electric. A. Hafke. 2,572,335, Oct. 23.
Synchronous motor. F. Kurz. 2,572,632, Oct. 23.
Synthetic traveler and ring. H. D. Haley. 2,572,140, Oct. 23.
System and apparatus for gas storage control. D. B. Banks. 2,572,799, Oct. 23.
Table: *See*—
Ventilated table.
Table with lock means for paired legs, Collapsible. B. F. Hamilton. 2,572,474, Oct. 23.
Table with pivoted feet, Folding. L. R. Shanks. 2,572,205, Oct. 23.
Tank: *See*—
Sedimentation tank.
Tape feed suppression mechanism. E. F. Watson. 2,572,685, Oct. 23.
Target with irregular motion. E. G. Henry. 2,572,146, Oct. 23.
Telemetric system. A. J. Hornfeck. 2,572,481, Oct. 23.
Telephone set, Key equipped. J. M. Mellck. 2,572,503, Oct. 23.
Telephone shell and signal light. M. K. Laporte. 2,572,814, Oct. 23.
Telephone system having twelve lines grouped in three groups of four each, All-relay. R. W. Jones. 2,572,266, Oct. 23.
Telephone system, Private branch exchange. L. J. Bowne. 2,572,104, Oct. 23.
Telephone system, Private branch exchange. W. A. Maltbaner. 2,572,740, Oct. 23.
Television camera focusing mechanism. D. Jackson and J. D. F. Green. 2,572,729, Oct. 23.

Temperature control apparatus. J. M. Wilson, S. W. Nickells, and M. E. Smith. 2,572,293, Oct. 23.
Temperature responsive devices, bimetallic coils for use therein, and blanks for making such coils. H. Schlaich. 2,572,059, Oct. 23.
Tent. N. Rosenfeld. 2,572,393, Oct. 23.
Terephthalic acid, Preparation of. W. S. Emerson and T. C. Shafer. 2,572,710, Oct. 23.
Terephthalic acid, Preparation of. T. C. Shafer and R. I. Longley, Jr. 2,572,575, Oct. 23.
Terminal having lever clamping means to secure a conductor thereto. W. Pahal. 2,572,753, Oct. 23.
Tertiary-alkylsulfenyl thiocyanates. C. M. Himel and L. O. Edmonds. 2,572,565, Oct. 23.
Test-milking apparatus. E. Redin and H. Ryde. 2,572,518, Oct. 23.
Tetraethyl pyrophosphate, Manufacture of. J. S. Harris. 2,572,806, Oct. 23.
Thenalmalononitriles. W. S. Emerson and T. M. Patrick, Jr. 2,572,709, Oct. 23.
Thermal valve-operator. W. A. Ray. 2,572,386, Oct. 23.
Thermoelectric timer motor. J. C. Koons. 2,572,162, Oct. 23.
Thread-advancing reel. A. J. L. Moritz. 2,572,181, Oct. 23.
Thread-cutting device. G. Hazelton. 2,572,143, Oct. 23.
Threading ring twisting machines. E. J. Griset, Jr. 2,572,138, Oct. 23.
3,4-dihydroxytetrahydrofuran, Production of. C. M. Himel and L. O. Edmonds. 2,572,566, Oct. 23.
3-(thiocyanomethyl) thianaphthene and herbicidal compositions comprising same. A. H. Schlesinger and D. T. Mowry. 2,572,574, Oct. 23.
Threshold. R. Howard. 2,572,154, Oct. 23.
Timer, Press. R. G. McLagan. 2,572,272, Oct. 23.
Tire mounting device, Band saw. W. D. Welkart and E. F. Altomare. 2,572,789, Oct. 23.
Tire, Pneumatic. A. J. Bushemi. 2,572,594, Oct. 23.
Tire, White side wall. M. Gottschall. 2,572,259, Oct. 23.
Tobacco pipe. A. G. Nisbet. 2,572,048, Oct. 23.
Tone modulator, Lever actuated drum. L. Meriwether. 2,572,504, Oct. 23.
Tool: *See*—
Camber adjusting tool.
Combination tool.
Combined machine tool.
Locating tool.
Manually operated impact tool.
Slide percussion tool.
Tool for applying binding strap to railroad sleepers. G. C. Delor. 2,572,323, Oct. 23.
Tool handle. A. Carden. 2,572,444, Oct. 23.
Torpedo, Sectionalized. T. A. Daly. 2,572,116, Oct. 23.
Toy airplane projector, Repeating. L. I. Vaaler and I. J. Hagemo. 2,572,782, Oct. 23.
Toy, Inertia-operated climbing. R. K. Ostrander. 2,572,752, Oct. 23.
Toy musical instrument, Child's. D. Rosenheim. 2,572,818, Oct. 23.
Traction supply device. L. Brewton. 2,572,306, Oct. 23.
Tractor, Garden. G. C. Coates. 2,572,109, Oct. 23.
Tractor, Garden. C. H. Rowland. 2,572,202, Oct. 23.
Tractor, Garden. M. Sklovsky and I. D. Maxon 2,572,399, Oct. 23.
Trailer, Grain. C. A. Bateman. 2,572,099, Oct. 23.
Trailer hitch. W. E. Hoffman. 2,572,341, Oct. 23.
Transcribing and summarizing system. H. A. Giroud, G. C. Irwin, L. A. Kille, J. B. Retallack, G. Riggs, and W. B. Strickler. 2,572,132, Oct. 23.
Transferring picture layers from one film base to another, Method and apparatus for. C. D. Bennes. 2,572,001, Oct. 23.
Transformer. U. S. Dunn. 2,572,455, Oct. 23.
Transformer clamp. H. Epstein. 2,572,457, Oct. 23.
Transmission. R. C. Hoffman. 2,572,480, Oct. 23.
Transmission hoist. J. R. Randolph. 2,572,516, Oct. 23.
Transmission mechanism, Variable-speed and torque. E. R. Burtnett. 2,572,007, Oct. 23.
Transmission system, Wave-guide. W. E. Kock. 2,572,628, Oct. 23.
Transmitter system utilising stored energy received by the system, Ultra high frequency coded. V. J. Young and J. E. Browder. 2,572,088, Oct. 23.
Transparent urea-aldehyde type resins and producing the same. P. J. Garner and R. E. Bowman. 2,572,256, Oct. 23.
Trap hook. A. G. Tackett. 2,572,535, Oct. 23.
Tray attachment for chairs, Collapsible feeding. J. J. Scanlon. 2,572,282, Oct. 23.
Tray, Dish drying and warming. W. Lamb. 2,572,163, Oct. 23.
Treating mixtures to make or break emulsions, Method and apparatus for. G. J. Stresynski. 2,572,287, Oct. 23.
Trifluoromethyl diphenylamines. N. L. Smith. 2,572,067, Oct. 23.
Trifluoromethyl phenyl-β-naphthylamines. N. L. Smith. 2,572,066, Oct. 23.
Trolling device. F. L. Anglim. 2,572,427, Oct. 23.
Trouser waistband fastening means. A. C. Falone and R. H. Alschuler. 2,572,126, Oct. 23.
Truck, Snubbed bolster. L. A. Lehrman. 2,572,634, Oct. 23.
Tube: *See*—
Electron discharge tube.
Tube handling apparatus, Collapsible. E. Lehmann. 2,572,164, Oct. 23.
Tube severing machine. F. Grieder. 2,572,137, Oct. 23.
Tuck end container. B. F. Kells and J. C. D'Esposito. 2,572,159, Oct. 23.
Tuning device, High-frequency. J. D. Funderburg and B. P. Heinmiller. 2,572,130, Oct. 23.
Turret-mounted chain-saw holding claw. A. F. Stone and E. A. Hayden. 2,572,405, Oct. 23.
Two-stroke internal-combustion engine. J. Schneeberger. 2,572,768, Oct. 23.
2-thenyl alcohols, Preparing. W. S. Emerson and T. M. Patrick, Jr. 2,572,708, Oct. 23.
Unreeling and feeder device for sheet wood clippers. J. X. Ambeault. 2,572,581, Oct. 23.
Uranium hexachloride, Producing. F. A. Jenkins. 2,572,156, Oct. 23.
Vacuum film holder. I. S. Lovegrove. 2,572,640. Oct. 23.
Valence unit, Ornamental. V. H. Goodman. 2,572,720, Oct. 23.
Valve: *See*—
Combination main and pilot valve.
Float-in or check valve.
Pressure relief valve.
Float controlled humidifier valve.
Valve. R. Goulrand. 2,572,471, Oct. 23.
Valve device, Fuel. S. J. Budlane. 2,572,441, Oct. 23.
Valve for controlling fuel gas. E. H. Mueller. 2,572,507, Oct. 23.
Valve means, Electrically controlled. R. P. Hobson. 2,572,621, Oct. 23.
Valve operator. H. W. McPherson. 2,572,175, Oct. 23.
Valve repairing machine. R. H. Hunter and C. G. Seeds. 2,572,485, Oct. 23.
Valve rotating device. F. C. Burrell. 2,572,106, Oct. 23.
Valve translating system, Electric. A. H. Mittag. 2,572,648, Oct. 23.
Valve with selective float position, Fluid control. J. H. Edman. 2,572,705, Oct. 23.
Variable impedance device. D. F. Walker. 2,572,545, Oct. 23.
Vehicle chair. A. C. Hoven and W. H. Bond, Jr. 2,572,482, Oct. 23.
Vehicle direction indicator. W. E. O'Shel. 2,572,751, Oct. 23.
Vehicle side wall construction. F. L. Murphy and J. E. Candlin, Jr. 2,572,747, Oct. 23.
Velocity selection in electron tubes. G. L. Krieger and G. A. Morton. 2,572,494, Oct. 23.
Vending machine, Selective beverage. E. H. Thompson and L. W. Doggett. 2,572,541, Oct. 23.
Venetian blind. R. B. Weaver. 2,572,291, Oct. 23.
Venetian blind slat. B. Walker. 2,572,224, Oct. 23.
Ventilated table. F. A. Dixon. 2,572,120, Oct. 23.
Vertically moving door. N. H. Nye. 2,572,186, Oct. 23.
Vial for use in artificial insemination. R. H. Hoyt. 2,572,155, Oct. 23.
Vibration absorbing bushing. J. H. Kelly, Jr., and R. M. Glassco. 2,572,160, Oct. 23.
Vibration actuated transfer device. R. Helm. 2,572,339, Oct. 23.
Vibrator tester. M. F. Poarch. 2,572,194, Oct. 23.
Vinyl chloride resins, Stabilized. P. E. Marling. 2,572,571, Oct. 23.
Viscometer, Rotational. A. R. Boyle. 2,572,693, Oct. 23.
Viscose rayon, Manufacture of. G. I. Thurmond. 2,572,217, Oct. 23.
Voltage modulated marking fluid deposition device. D. D. White, F. R. Osborn, and S. Reich. 2,572,549, Oct. 23.
Volume and temperature controlled faucet. L. T. Reeves, Jr. 2,572,661, Oct. 23.
Wall fixture. M. J. Zimmer. 2,572,797, Oct. 23.
Washer: *See*—
Windshield washer.
Water bag holder. O. H. Kilgore. 2,572,353, Oct. 23.
Water pipe repairing equipment. T. N. Young and E. G. B. Gledhill. 2,572,555, Oct. 23.
Water runoff control construction. B. E. Sievert. 2,572,208, Oct. 23.
Water softener and regenerating same, Service or rental type. J. E. Welsh. 2,572,082, Oct. 23.
Wavemeter, High-frequency. J. E. Wolfe. 2,572,232, Oct. 23.
Welding electrode holder construction. C. K. Wilson. 2,572,084, Oct. 23.
Welding method and apparatus. H. W. Woodard. 2,572,796, Oct. 23.
Welding of thermoplastic materials with application of high-frequency dielectric energy and pressure. J. E. Walstrom. 2,572,226, Oct. 23.
Well recording mechanism. P. Z. Hamner. 2,572,025, Oct. 23.
Wheat protein and starch, Manufacture of. J. F. Walsh, D. M. Levitt, and A. H. Goodman. 2,572,225, Oct. 23.
Wheel chair attachment. T. F. and A. L. Hind. 2,572,149, Oct. 23.
Wheel for buffing. H. H. Bahr. 2,572,092, Oct. 23.
Wheel structure, Buffing. H. H. Bahr and G. Becker. 2,572,093, Oct. 23.

Winding reel. R. B. Wolk. 2,572,417, Oct. 23.
Window construction. F. R. Eichner. 2,572,124, Oct. 23.
Window, Safety reversible. L. I. Alperin. 2,572,423, Oct. 23.
Window sash, Auxiliary. I. A. and D. S. Rogers and A. T. Rosenberg. 2,572,764, Oct. 23.
Windshield cleaner mechanism. J. R. Oishei. 2,572,750, Oct. 23.
Windshield washer. E. C. Horton. 2,572,264, Oct. 23.
Wound dressing. C. Manley. 2,572,641, Oct. 23.
Wrench: *See*—
Chain-driven wrench.
Wrenches, Making adjustable jaw. K. F. W. Kempf. 2,572,492, Oct. 23.
Wringer. N. L. Etten. 2,572,604, Oct. 23.
X-ray tube safety device. E. R. Goldfield and J. Ball. 2,572,258, Oct. 23.
Yarding and cutoff swing-saw machine, Portable. G. A. Johnson. 2,572,347, Oct. 23.
Yieldable connection device for belt buckles. S. I. Hollander. 2,572,726, Oct. 23.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 23, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business Oct. 5, 1951

Total number of patent applications awaiting action, 108,158. Date of oldest new application, November 16, 1950; date of oldest amended application, November 14, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating: Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	11-16-50	11-14 50	2324
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	1-12-51	1-6-51	1292
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	2-7-51	2-10-51	1562
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	12-19-50	12-11-50	2024
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	2-21-51	2-21-51	970
6. SURLE, H., Carbon Chemistry (part)	1-4-51	1-2-51	1938
7. GONSALVES, J. E., Optics; Photography (part)	1-30-51	2-7-51	1292
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	12-22-50	12 22-50	1951
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	12-22-50	12-22-50	1577
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-electric Crystals.	12-20-50	12-22-50	1233
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	1-3-51	12-27-50	1015
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-17-51	1-9-51	1137
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e. g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	12-5-50	12-5-50	1238
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	12-11-50	12-8-50	1608
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-19-51	2-13-51	1341
16. LOVEWELL, N. N., Television, Telephony	12-15-50	12-2-50	1323
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	12-6-50	12-7-50	1642
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1422
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-4-50	12-4-50	1170
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	12-6-50	12-7-50	1497
21. MADER, R. C., Textiles	11-24-50	11-24-50	1484
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	12-11-50	12-7-50	1251
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-13-50	12-1-50	877
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing	2-8-51	2-10-51	1752
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Gutters and Comminutors; Distillation.	1-8-51	1-8-51	1429
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	12-6-50	12-9-50	1228
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	11-17-50	11-14-50	2224
28. BRAUNER, R. H., Motors, Expansible Chamber Type, Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-5-50	12-11-50	1561
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-3-51	12-22-50	1663
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	2-5-51	2-5-51	1565
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-2-51	1-29-51	1994
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-5-50	12-11-50	1366
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	1-8-51	1-5-51	2195
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	12-14-50	12-16-50	1279
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-6-50	12-14-50	1631
36. McFADYEN, A. D., Measuring and Testing	11-28-50	12-1-50	1329
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	1-17-51	1-12-51	1304
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-2-51	12-26-50	1331
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	1-8-51	1-8-51	1980
40. DRUMMOND, E. J., Receptacles (part); Packages	12-2-50	12-6-50	2711
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	11-20-50	12-1-50	1293

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 108,158. Date of oldest new application, November 16, 1950; date of oldest amended application, November 14, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	11-28-50	12-1-50	2060
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-6-51	2-23-51	1030
44. HARVEY, L. P., Beds; Chairs, Seats	12-6-50	12-2-50	1540
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	11-21-50	11-22-50	1645
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	1-16-51	1-3-51	1045
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1-3-51	1-5-51	1490
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	12-30-50	1-11-51	885
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	12-22-50	12-22-50	1623
50. LEVIN, S., Synthetic Resins	3-29-51	3-6-51	1530
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennas); Radiant Energy Communications.	12-13-50	12-4-50	1132
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	12-6-50	12-6-50	2433
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	12-4-50	12-13-50	1202
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-12-50	12-7-50	1682
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1 25-51	2-8-51	1102
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	1-18-51	1-17-51	1640
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	1-24-51	1-4-51	1767
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	12-15-50	12-18-50	1246
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	1-4-51	1-8-51	1314
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-18-50	11-30-50	1206
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	12-9-50	12-6-50	1524
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	12-22-50	12-22-50	1530
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	2-1-51	2-6-51	1704
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-1-51	3-2-51	1833
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	1-8-51	1-6-51	1582
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	12-11-50	12-6-50	1239
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	1-19-51	1-15-51	1393
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12-11-50	12-13-50	1774
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	12-9-50	12-6-50	1382
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	12-8-50	12-6-50	1665
DESIGNS: A. BREHM, G. L., Industrial Arts	6-4-51	6-2-51	625
B. GRAY, M. A., Household, Personal and Fine Arts	5-3-51	5-5-51	1312

Total number of trade-mark applications awaiting action (including renewals and republications), 16,790. Date of oldest new application, February 27, 1951; date of oldest amended application, March 1, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	2-27-51	3-1-51	5291
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	4-3-51	3-21-51	3245
Renewals (All Classes)	7-27-51	8-30-51	512
Republications (All Classes)	8-15-51	8-30-51	202
III. RACENOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	3-1-51	3-1-51	4163
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	3-12-51	3-8-51	3377

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WEBERSINN, DECEASED
(UNITED CHROMIUM, INC., ASSIGNEE)

No. 5775. Decided June 5, 1951. Petition for rehearing denied September 28, 1950.

[F.2d; USPQ]

1. PATENTABILITY — PARTICULAR SUBJECT MATTER — METHOD OF ELECTRODEPOSITING CHROMIUM.

Certain claims to a method of producing fissured net-works in chromium electrodeposits *Held* properly rejected as not being patentably distinguishable from certain claims in a copending patent having the same assignee.

APPEAL from Patent Office. Serial No. 510,210.

AFFIRMED.

Gustave R. Thompson (*A. Yates Dowell* and *Newton A. Burgess* of counsel) for appellant.

E. L. Reynolds (*H. S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *Chief Judge*:

This is an appeal wherein United Chromium, Inc., as the assignee of the application of Theodore H. Webersinn, deceased, for a patent for certain alleged "new and useful improvements in Methods of Producing Fissured Net-Works in Chromium Electrodeposits," seeks review and reversal of the decision of the Board of Appeals of the United States Patent Office affirming the denial by the Primary Examiner, hereinafter referred to as the Examiner, of all the claims, 11 to 14, inclusive, embraced in the application, Serial No. 510,210, filed November 13, 1943. No claims were allowed. All the appealed claims are method claims.

The Board expressly disapproved certain of the references applied by the Examiner and also disapproved the latter's rejection of the claims for indefiniteness and "as containing an improper step," but approved their rejection as being unpatentable over the method claims 2 and 3 embraced in a patent, No. 2,430,750, issued November 11, 1947, to Theodore H. Webersinn and Jacob Hyner, as joint inventors, upon an application, Serial No. 545,506, filed July 18, 1944, which patent also is shown to be assigned to United Chromium, Inc., the assignee of the instant application. The co-inventor, Webersinn, was the same person as the deceased applicant in the instant case.

In view of what seems to us to be the highly technical character of the claimed invention, we here reproduce all the appealed claims, although it does not seem to be suggested by appellant that there is any patentable distinction between them.

The technicality of the subject matter also leads us to quote extensively and verbatim from the findings and arguments instead of attempting to paraphrase them.

The claims read:

11. In the post-treatment of electrodeposits of chromium of a nature, acquired from the conditions under which they are electrodeposited, that preferential dissolving thereof occurs at lines in the form of a mesh, the chromium electrodeposits of said nature being designated herein as "predisposed" chromium and being of approximately one-thousandth of an inch minimum thickness, immersing the "predisposed" chromium electro-deposit in an electrolytic etching solution which chemically attacks active chromium, passing electric current of the order of approximately one quarter to three amperes per square inch to the "predisposed" chromium electrodeposit connected in the electric circuit as a cathode, maintaining the "predisposed" chromium immersed in said electrolytic etching solution to dissolve the said "predisposed" chromium preferentially at lines, according to its nature, thereby forming a net-work of fissures in said predisposed chromium electrodeposit, as distinguished from the microscopic cracks commonly found in chromium electrodeposits, and removing the "predisposed" chromium electrodeposit from the action of the current and the solution before the chromium in the areas between the fissures is stripped to the basis metal.

12. In the post-treatment of electrodeposits of chromium, according to claim 11, discontinuing the passage of current in the course of the development of the fissure net-work, the dissolving action being continued by the solution while the "predisposed" chromium remains immersed therein.

13. In the post-treatment of electrodeposits of chromium, according to claim 11, further comprising passing current anodically to the "predisposed" chromium electrodeposit in the same solution in which it is immersed, after the fissure net-work has been developed, to stop further development of the fissure net-work and action on the chromium.

14. In the post-treatment of electrodeposits of chromium of a nature, acquired from the conditions under which they are electrodeposited, that preferential dissolving thereof occurs at lines in the form of a mesh, the chromium electrodeposits of said nature being designated herein as "predisposed" chromium and being of approximately one-thousandth of an inch minimum thickness, immersing the "predisposed" chromium electrodeposit in a solution which chemically attacks active chromium maintaining the "predisposed" chromium immersed in said solution to dissolve the said "predisposed" chromium preferentially at lines, according to its nature, thereby forming a net-work of fissures in said predisposed chromium electrodeposit, as distinguished from the microscopic cracks commonly found in chromium electrodeposits, and removing the "predisposed" chromium electrodeposit from the action of the solution before the chromium in the areas between the fissures is stripped to the basis metal.

There are four claims in the reference patent, all being method claims. Claim No. 2 is dependent on claim No. 1, which is technical and long. Claim No. 3, the second of the two upon which the appealed claims were rejected, also is technical and long. The tribunals of the Patent Office held that the appealed claims are not patentably distinguishable from the indicated patent claims, and appellant, in order to prevail, has the burden of making it clear to us that there was error in the decision of the Board affirming that of the Examiner.

As to certain of the Examiner's holdings, the Board of Appeals, in effect, reversed, and we have no concern with those holdings, but, as has been

Vol. 651 • No. 4 Tuesday, October 23, 1951 Price $33.00 per year

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stated, the Board definitely approved the rejection on the patent to Webersinn et al., and with that we are concerned.

The contention on behalf of appellant appears to be that the appealed claims are limited to an etching step of finishing the chromium plating, while the claims of the reference patent are limited to pitting the chromium. The following is taken from appellant's brief:

In 1942 [the year preceding the filing of appellant's application] porous chromium plating was being used by both the U. S. Navy and the Army Air Force. The Navy was using chromium plate on diesel engine cylinder liners, which were subject to long, continuous use. The Air Force was testing chromium plate on aircraft cylinder barrels subjected to extreme rates of wear in dust ladened atmosphere.

For the long continuous use in diesel engines it was desirable to obtain a porous chromium surface with deep porosity so that as the cylinders wore the porosity would still remain. On the other hand, to utilize the porous chromium plate in the aircraft cylinders under the extreme speeds, temperatures and bearing pressures of high output aircraft engines, the special need was a chromium bearing surface that would be free from "seizing" and "galling" faults, and excessive wear on the piston rings; the Air Force found that channel-type porosity with plateau areas of a certain size met this requirement.

Here, then, were two different problems, one of which was worked on by Webersinn and the other by Webersinn and Hyner.

To obtain deeper fissures and less loss of surface chromium than was being obtained by prior methods, Webersinn (sole) invented the method of attacking the chromium claimed in his application on appeal. The advantages of the Webersinn cathodic post-treatment of the predisposed chromium over previous methods is described in his specification (Transcript, p. 6, l. 14 to l. 9, p. 7). This antedated the Webersinn and Hyner invention.

The matter of obtaining plateau areas of definite size was the joint work of Webersinn and Hyner. Webersinn and Hyner discovered that the key to plateau size was in the process of electrodepositing the chromium, and they invented a process by which chromium could be deposited so that when a fissure net-work was later formed therein by attacking the chromium, the plateaus in the net-work would have the desired size.

Webersinn's invention, therefore, was directed to a part of the problem of producing porous chromium which was entirely different from the other part of the problem to which the Webersinn and Hyner invention was directed. Webersinn's invention was directed to the *treatment* of the completely deposited chromium plate. Webersinn and Hyner's invention related to the *deposition* of the plate. [Italics quoted.]

The lines of appellant's specification referred to parenthetically in the fourth paragraph of the above quotation read:

• • • Fissure net-works with small size plateaus are best suited for obtaining pit-type chromium surfaces, and fissure net works with large size plateaus are best suited for obtaining mud-crack type chromium surfaces.

The progress of the fissure net-works in the course of the post-treatment can be observed visually, by removing the article from time to time and examining it.

Cathodic post-treatment as herein described has certain advantages and produces unusual results. Ordinarily corrosion or attack on a metal in an electrolyte is inhibited by making the metal cathode. I have discovered that by making chromium plate of proper characteristics cathode in a suitable electrolyte it can be made to dissolve readily and the dissolving action on the chromium be largely or preferentially confined so as to develop unusually deep cracks or fissures.

This is of great practical importance, because the thickness of chromium which must be deposited prior to the post-treatment (and the time required for such electrodeposition) is very much less for obtaining the desired fissured chromium surface than it would be otherwise. Moreover, good depth of fissures is obtained in a relatively short time, and for a given thickness of chromium electrodeposit a greater depth of fissures can be obtained than for instance by anodic post-treatment.

Concerning the matter so quoted the specification comments:

From this it follows that for a given thickness of chromium electrodeposit, more mechanical finishing can be done on a cathodically post-treated chromium electrodeposit, where this is desired, than on one post-treated anodically, without obliterating the fissures or reducing too greatly the depth thereof.

In his official statement, summarizing his reasons for rejecting the claims, made following the appeal to the Board, the Examiner said, inter alia:

This application claims a method for producing fissures in a chromium surface, the fissures serving to retain a lubricant to facilitate the moving of a metal surface against the chromium layer. The chromium layer is deposited from a somewhat modified chromium plating bath, and is then converted to the desired fissured surface by connecting it as cathode in an acid solution. Suitable acids are hydrochloric sulfuric; sulfuric mixed with chromic; phosphoric; citric; and oxalic acid. With a current density of ¼ to 3 amperes per square inch, the chromium surface is "activated," and the acid will then dissolve the chromium selectively to yield a network of fissures. In the activated state, the acid by itself is said to be able to attack the chromium, so that the current may be shut off (if desired) and the attack will continue. For certain acids (such as hydrochloric) the cathodic activation is unnecessary, and the fissures are obtained by simple immersion in the acid.

• • • • • • • • •

• • • Claim 11 is drawn to a four step process, viz.: (1) immerse the chromium in an electrolyte which chemically attacks active chromium; (2) make the chromium a cathode, and pass ¼ to 3 amperes per square inch; (3) maintain the chromium in the electrolyte; and (4) remove the chromium surface from the action of the current and the solution before any base metal is exposed.

• • • • • • • • •

Claim 12 adds to claim 11 the step of shutting off the current before the etching is completed, and allowing the chemical attack of the solution to complete the etching. This step is not believed to confer patentability on the claim.

• • • • • • • • •

Claim 13 adds to claim 11 the step of passivating the chromium by reversing the current flow, and thus making the chromium the anode in the electrolyte of claim 11.

• • • • • • • • •

Claim 14 is drawn to the etching of the chromium deposit by simple immersion "in a solution which chemically attacks active chromium" until the desired etching is achieved. (This claim appears to be based on Example 5 • • • of the specification, and apparently the words "active chromium" should be "passive chromium" as neither claim 14, nor Example 5 include any activation step.)

Appellant apparently filed a reply brief, not included in the record, to the Examiner's summarization, because in a paper styled "Examiner's Reply to Brief, March 8, 1949," it is said:

2. Applicant states on page 9 of his [reply] brief that claim 14 is correct in "active chromium" (original line 7). The Examiner had assumed that applicant intended "passive chromium," because Example 5 of his specification (page 7 thereof) does not include any activation step prior to the immersion in hydrochloric acid.

Because of applicant's interpretation, claim 14 should be additionally rejected for lack of adequate disclosure (or as broader than the alleged invention). All examples place the chromium in a solution which attacks passive chromium, for the simple reason that the as-deposited chromium is passive. Applicant does not disclose any acid which attacks active chromium, but which cannot attack passive chromium. Nor does applicant disclose any method in which the deposited chromium is naturally in, or is converted to, the active condition.

Of the Webersinn et al. patent the Examiner said:

The patent to Webersinn et al. (assigned to the assignee of the instant application) claims a method of producing a fissured chromium surface by electrodepositing the chromium from a bath in which the temperature is specially correlated to the ratio of CrO_3 to SO_4 ion, thus producing a chromium deposit that responds favorably to the subsequent etching step to yield the desired fissured surface. In claim 2 of the patent, a specific etching procedure is recited, which is identical (except for a minor variation in current density) with Example I (page 5, lines 11 to 18) of this instant application.

The Examiner also made the following comparison between the appealed claims and the claims of the reference patent:

Claims 11 through 14 have also been finally rejected as lacking in invention over claims 2 and 3 of Webersinn et al. Claim 2 of this patent is drawn to a method of depositing chromium from a special bath to yield the so-called "predisposed" chromium mentioned in the instant claims, followed by cathodic etching in a phosphoric acid type electrolyte. Claim 11 of the instant application differs from patented claim 2 in two respects: (a) the first step of the patented claim is put into the introductory portion of a Jepson form claim, and (b) the specific cathodic etching of patented claim 2 is recited generically, although Example 1 of this specification is nearly identical with the second step recited in patented claim 2. Both patented claim 2 and instant claim 11 require electrodeposition of "predisposed" chromium, and cathodic etching to produce a net-work of fissures. These two claims differ only in the scope of each step, and so are inventively indistinct; *In re Loiseleur*, 597 O. G. 457, 1947 C. D. 99, 34 CCPA [Patents] 765, [158 F.2d 309, 72 USPQ 110]. As discussed above, claims 12, 13, and 14 do not add inventive matter to claim 11, and therefore claims 11 through 14 are patentably indistinct from claim 2 of Webersinn et al.

Claim 3 of the patent recites a specific chromium plating bath, combined with the generic step of "etching the chromium . . . to develop a fissure net-work." It is thus seen that the etching step is recited more generically in patented claim 3, and more specifically in patented claim 2, than in instant claim 11. Claim 11 being merely intermediate in scope between patented claims 2 and 3, is not a separate invention. [Italics supplied by us.]

Except as to the recited discussion of claim 14 there does not appear to be any substantial difference between the analysis of the application claims and the claims of the reference made by the Examiner and that made on behalf of appellant, but the brief for appellant presents a statement which we hereinafter discuss.

The Board is alleged to have erred in construing certain language of claim 2 of the patent (meaning, we suppose, the reference patent) "as defining a specific step in the process of claim 2 of the Webersinn and Hyner patent."

Inasmuch as the Webersinn and Hyner patent is the reference patent, this assignment of error is not very clear to us.

The language claimed to have been misconstrued reads:

• • • wherein the fissure network produced by the etching is of the character obtained by etching the aforesaid chromium electrodeposit in an etching solution consisting of 290 g/l phosphoric acid, 10 g/l potassium dichromate and 2 g/l trivalent chromium added as potassium chrome alum at a temperature of 160° F., in which solution the chromium electrodeposit is connected as a cathode and current passed thereto for 15 minutes at a cathode current density of one-half ampere per square inch.

This is supported specifically by a section of Example I in the specification of the Webersinn et al. patent, the section being headed "Etching," and the only difference between it and a section headed "Post-Treatment," appearing in Example I of the instant application, is that the latter recites as the last item "Cathodic Treatment 0.3 Amps. per sq. in. for 30 min."

It seems to be appellant's position that the phraseology should be construed "as defining the fissure net-work produced, irrespective of what so-called etching step is used to produce the net-work."

Such a construction apparently would be in line with appellant's contention that "no specific way of developing the fissure net-work is defined by any of the claims of the patent," which, seemingly, is technically true, but, as said in the brief of the Solicitor for the Patent Office:

• • • as a matter of substance, it cannot be denied that the language of the dependent part of claim 2 certainly at least suggests a very specific way of developing the fissure net-work. The Board of Appeals was cognizant of the technical difference, and after quoting the language of claim 2 which appellant says is not a way of etching, but only a definition of "the physical character of the fissure net-work," made the holding that "this recitation is the equivalent to a statement that the etching is carried out under the above described conditions • • •."

The "above described conditions" so referred to by the Board are the conditions quoted from patent claim 2, and we agree with the statement of the Board that "this step in claim 2 of the patent is much more specific than in any of the claims" on appeal, since "it calls for etching the chromium so as to produce therein a fissure network."

The brief on behalf of appellant is elaborate and interesting but most of its reasoning impresses us as lacking in sound logic. To attempt to follow it and reply seriatim to each of its many contentions would lead us into much repetition and unnecessarily lengthen this opinion.

The brief submits two tests of patentability. The first test involves two questions, viz: (1) Do the appealed claims distinctly differ from the invention presented in the Webersinn and Hyner patent? (2) Do they constitute invention?

In support of the contention that they constitute invention, the brief states:

The Board of Appeals reversed the Examiner's rejection of the claims on appeal on the prior art, holding the subject matter to be patentable over the prior art. The subject matter of the claims on appeal, therefore, fills the requirement of being an invention.

The foregoing statement is too broad. The Board reversed as to the Examiner's rejection upon certain of the prior art, but not as to his rejection upon the joint invention in which Webersinn shared.

Its holding as to this, of course, amounted to a holding that the instant application presented no invention—that is, nothing inventive over the prior work which Webersinn helped perform.

In the effort to show that the appealed claims constitute something different and distinct from the joint patent, the brief for appellant says:

• • • the claims on appeal do not call for any step or steps for electrodepositing the chromium. The subject matter of the claims relates solely to the development of a fissure net-work in a chromium plate. The claims define a specific procedure for that purpose. The chromium plate must of necessity be susceptible of having a fissure net-work developed therein, but chromium plate predisposed to the formation of a fissure net-work therein can be deposited in ways known to the prior art and outside of the claims of the Webersinn and Hyner patent. It is, therefore, believed that the subject matter of the claims on appeal is also distinct and different from the subject matter covered by the claims of the Webersinn and Hyner patent.

The brief of the Solicitor for the Patent Office, we think quite pertinently and fully, replies to the foregoing as follows:

• • • The alleged distinction is submitted to be one without a difference. Notwithstanding appellant's argument, it is quite obvious from the language of the claims at bar that the claimed process cannot be carried out until there has been electrodeposition of chromium. Whether the claimed process begins with the treatment of an electrodeposit of chromium, or actually includes a step of electrodepositing chromium, is submitted to be a matter of form rather than of any actual substance.

Appellant's second test for patentability relates to the matter of possible infringement. It is argued that the invention defined by the claims of the reference may be practiced without infringing the claims on appeal, and ways are stated in which it is alleged this may be done. Of course, if that be correct, it would seem to follow that the claims of the application here involved might be practiced without infringing the reference patent which apparently has ten more years of life. We doubt whether the assignee of the patent would acquiesce willingly in that. The Board pointed out that claim 3 of the patent defines the etching step broadly—much more

broadly than does claim 2—and the Solicitor for the Patent Office suggests that "any way of etching infringes this particular part of claim 3 of the patent."

The Solicitor's brief additionally states:

Furthermore, it is equally obvious that when the specific way of etching claimed in the application claims at bar is used, claim 2 of the patent is infringed, because the use of that specific way is bound to produce the character of fissure net-work described by the language of the dependent part of claim 2. This follows of necessity from the close similarity of the process suggested by the language of claim 2, to the process of etching of the claims at bar.

We are not convinced that the Board of Appeals erred in affirming the Examiner's rejection of the claims on the patent of Webersinn et al. cf. *In re Willoughby*, 24 CCPA (Patents) 1033, 88 F.2d 482, 33 USPQ 46, 484 O. G. 4, and cases therein cited.

The decision appealed from is affirmed.

AFFIRMED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,925,779, C. L. Tomlinson, Plow share attachment; 1,976,268, G. M. Reynolds, Renewable cutting edge for plow shares; D. C., S. D. 2,475,536, H. J. Woock, Renewable plow edge, Calif. (Los Angeles), Doc. 12983–Y, *Linden & Co. et al. v. Silver Streak Mfg. Co. et al.* Order on motion of defendants dismissing suit July 2, 1951.

1,976,268. (See 1,925,779.)

1,979,014, H. E. Schleif, Oil gun, filed Sept. 21, 1951, D. C., E. D. N. Y., Doc. 12110, *Louis Marx & Co., Inc. v. Charles Arlin et al.*

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2,193,724. (See 2,146,396.)

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2,475,536. (See 1,925,779.)

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2,498,374, F. E. Martin, Method and article for treatment of mammary glands, D. C. Md. (Baltimore), Doc. 4931, *F. E. Martin v. American Home Products Corp. et al.* Decree holding claims 1, 3 and 5 to 10, incl. invalid, and dismissing complaint; Plaintiff's notice of appeal filed May 31, 1951. Same, filed Sept. 25, 1951, C. C. A., 4th Cir., Doc. 6340, *Martin Laboratories v. Wyeth, Inc. et al.*

2,530,308, P. W. Martin, Apparatus for determining movability of members in wells; 2,530,309, same, Device for determining relative movements of parts in wells; 2,550,964, N. Brookes, Device for determining point at which pipe is stuck in a well, filed July 17, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13289–WB, *McCullough Tool Co. v. The Ford Alexander Corp.*

2,530,309. (See 2,530,308.)

2,530,700, H. W. Jewell, Pressure pipe joint, filed Sept. 17, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13472–Y, *Joints, Inc. v. Garrett Co.*

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TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 363,724. (See T. M. 509,697.)

T. M. 435,300. (See T. M. 509,697.)

T. M. 509,697, T. M. 435,300, San-Nap-Pak Mfg. Co., Inc., Cleansing tissues; T. M. 363,724, T. M. 509,698, same, Bathroom tissues; T. M. 538,233, Doeskin Products, Inc., Cleansing tissues, filed Sept. 20, 1951, D. C., S. D. N. Y., Doc. 69/364, *Doeskin Products, Inc. v. Newburgh Tissue Co.*

T. M. 509,698. (See T. M. 509,697.)

T. M. 538,233. (See T. M. 509,697.)

NOTICES

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,434,124, E. J. Schaaf and E. F. Greedy, Corn harvester, decided July 20, 1951, claims 6, 7, and 9.

Pat. 2,451,430, S. A. Barone, Carrier frequency shift signaling, decided Mar. 16, 1951, claim 1.

Pat. 2,547,590, A. B. McGinnis, Container for condiments and the like and sifter cap therefor, decided Sept. 25, 1951, claims 1, 2, and 3.

Extension of Patents Granted

Patent No. 2,039,065. BATHROOM ACCESSORY. Granted Apr. 28, 1936. Nicholas de Mark. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 360 days, from the expiration of the original term thereof.

Patent No. 2,115,431. AUTOMATIC DEFROSTING AND DE-ICING SYSTEMS. Granted Apr. 26, 1938. John J. Shively. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 5 years and 38 days, from the expiration of the original term thereof.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,551,231. Frame for Coupling Two Tractors in Laterally Spaced Relation and for Mounting the Tractor Controls Thereon. Patented May 1, 1951. A frame for coupling a pair of agricultural tractors together for unitary control by one man for propelling gang plows, planters, cultivators, harrows, and the like. Two laterally spaced tractors, each having only a pair of rear wheels, are adjustably coupled by a frame supported at the front end by a swiveled caster wheel truck. A central station is provided with a throttle lever, pedals, shifting levers, etc. (Owner) Roy N. Anderson, Grier, N. Mex. Groups 35—21; 38—11. Reg. No. 44,964.

Pat. 2,554,061. Grain Drill Depth Control. Patented May 22, 1951. Adjustable attachment for grain drills to control the depth of planted seed. A disc is journaled in a frame to penetrate the soil the desired depth. A pair of arms are pivoted to a beam connected to the frame and to a packing and depth control wheel rearwardly of and in alignment with the disc. A channel-shaped guide mounted on rear of frame slidably receives an adjustable L-shaped bracket engaged by a cross strap on the arms between the wheel and disc to regulate the depth of penetration of the disc. (Owner) Nels Sandberg, Alamo, N. Dak. Groups 33—52; 35—22. Reg. No. 44,965.

Pat. 2,554,653. Adjustable Crutch. Patented May 29, 1951. Light weight aluminum crutch has a removable arm rest and a shock absorbing spring giving more resiliency than conventional crutches. The leg portion is slidably and adjustably mounted in spaced sleeve members coupling the side arms below the hand grip. An adjustable coil spring urges the leg outwardly, and an adjustable collar on the leg above the upper sleeve member limits outward movement of the leg. (Owner) George Wisecarver, Box 644, Pikeville, Ky. Groups 34—41; 39—16. Reg. No. 44,966.

Pat. 2,543,889. Quick-Freezing Machine. Patented Mar. 6, 1951. Quick freezer for food, especially fish. An insulated frame supports a freezing compartment in which a series of superimposed shelves are mounted to support trays. The shelves have parallel tubular spaces through which a refrigerant is circulated. A stream of air is circulated in a sinuous path along upper and under sides of shelves. Fins on the tray covers and on under side of shelves run parallel to the current of air. Modification given. (Owner) Fresh Frozen Foods, Ltd. Correspondence to Michael S. Striker, 511 Fifth Ave., New York 17, N. Y. Groups 20—37; 35—84. Reg. No. 44,967.

Pat. 2,552,432. Safety Wall Plug. Patented May 8, 1951. Detachable electrical connector to be mounted substantially flush with a wall has an opening in one end to receive the ends of several appliance cords, eliminating the usual electrical plugs. A rectangular base has a T-shaped recess at inner side, the end of which is closed by a serrated clamp bar engaging the appliance cords. A slidably adjustable holder within the recess has a pair of spaced parallel blades each supporting a prong for insertion in a conventional outlet socket. (Owner) Richard Juetten, Box 113, Escanaba, Mich. Group 36—11. Reg. No. 44,968.

Pat. 2,506,206. Two-Way Sewer Cleanout Fitting. Patented May 2, 1950. A fitting to be inserted in sewer pipes at time sewer is installed. Fitting has an opening flush with the ground and is so constructed that a clean-out hook may be inserted into the pipe in either direction for removing tree roots or other obstructions. May be made from terra cotta or cast iron. (Owner) Harry L. Fulton, 805 East 11th St., Pueblo, Colo. Groups 32—54; 33—24. Reg. No. 44,969.

Pat. 2,551,030. Slip Ring Assembly. Patented May 1, 1951. Molded slip-ring assembly for dynamo-electric machines is adapted to transmit air between the outboard end of the rotor and the interior of the machine along a path passing through the ring assembly. An outer annulus has a series of collector rings on its exterior surface. An inner annulus is spaced from the outer one by a series of passages extending from end to end of the assembly. A series of wide webs interconnect the outer and the inner annulus. L-shaped studs embedded in the webs are held by metallic bonds to the inner roughened faces of the collector rings. (Owner) The Cleveland Electric Motor Company, 5213 Chester Ave., Cleveland 3, Ohio. Groups 35—69; 36—19—41. Reg. No. 44,970.

Pat. 2,421,987. Rivet Bucking Tool. Patented June 10, 1947. Tool is especially adapted for use in bucking aluminum or like rivets, such as are used in aircraft construction. The tool embodies a holder having a star-shaped socket for the removable reception of the squared shank of a bucking head, whereby any one of a number of different bucking heads may be selectively employed to meet varying conditions of use. A sectional tubular handle threaded to the shank of the holder is provided with a removable plug in the outer end to add weight thereto. (Owner) Charles C. Braden, 123 South Dartmouth Ave., Albuquerque, N. Mex. Groups 33—52; 35—42. Reg. No. 44,971.

Pat. 2,427,064. Temperature Responsive Device for Use on Grinders and Method of Grinding. Patented Sept. 9, 1947. Device for controlling the grinding of work to prevent over-heating includes an electrical measuring instrument for indicating the temperature of the work during grinding operations. A thermocouple held in sliding contact with the work and subjected to changes in temperature of the work, opens a work control switch when the thermocouple encounters a temperature above which further grinding may damage the work. A limit switch connected in parallel with the control switch stops the machine when the abrasive wheel passes out of engagement with the work. (Owner) Arthur F. Moul, 66 Clarendon Place, Buffalo 9, N. Y. Groups 35—43; 36—13. Reg. No. 44,972.

Pat. 2,553,511. Door Operating Mechanism. Patented May 15, 1951. A cable arrangement and winch operating mechanism whereby one man may open and close heavy sliding doors, such as ships' cargo doors. A pair of spaced idler pulleys are mounted on the door near the top, and a drum having an operating handle is mounted on the door below the pulleys. A cable wound around the drum has its opposite end sections extending upwardly over the pulleys, and then outwardly in opposite directions. The ends of the cable are secured by turnbuckles to the building wall at points spaced from the side edges of the door opening. (Owner) Stephen H. Casey, Sr., 2202 Comstock, Linda Vista, San Diego 11, Calif. Groups 33—81; 35—66; 37—31. Reg. No. 44,973.

Pat. 2,551,789. Adjustable Spraying Apparatus. Patented May 8, 1951. Device for spraying trees and row crops. An adjustable spray head can be set in varied angular positions in a vertical plane, and by parallelogrammic manipulative controls it can be oscillated in a plane substantially perpendicular to the vertical plane. An added feature of the invention is provided by hollow partially conical complementary aprons which can be adjusted for varying the lateral confines of the atomized mist to be sprayed. Another feature consists of a pair of central deflectors to concentrate the spraying laterally and prevent spraying at the central range of the sprayhead. (Owner) Maurice Copley, Route 2, Metropolis, Ill. Group 35—22. Reg. No. 44,974.

Pat. 2,555,925. Combination Beverage Display and Refrigerating Unit. Patented June 5, 1951. A portable, tiered, step-like structure has a series of openings in each surface level. A cup-like receptacle beneath each opening supports containers to be cooled. A refrigerating coil surrounding each receptacle is supplied with a cooling medium from a central condensing unit. An insulating material of spun glass surrounds the receptacles and coils. An inclined sluiceway beneath the receptacles receives the condensate therefrom and delivers it to a removable drip pan at bottom of device. May be made of plastic and galvanized sheet metal. (Owner) Morris Stern, 735 Philadelphia St., Indiana, Pa. Groups 33—73; 34—95; 35—84; 39—81. Reg. No. 44,975.

United States Government Owned Patents

The following U. S. Letters Patent owned by the United States Atomic Energy Commission have been made available for licensing by the Commission. Licenses will be granted to applicants on a non-exclusive, royalty-free basis. Applicants for licenses should apply to the Chief, Patent Branch, Office of the General Counsel, U. S. Atomic Energy Commission, Washington 25, D. C., identifying the subject matter by patent number and title.

Pat. 2,502,074. Method and Apparatus for Pumping Corrosive Mediums. Patented Mar. 28, 1950. This patent describes a liquid piston type pump adapted for automatically pumping, compressing, or transferring fluorine gas, wherein the pumping fluid is liquid hydrogen fluoride containing a dissolved fluoride salt such as potassium fluoride. Groups 35—61; 39—11. Reg. No. 44,976.

Pat. 2,561,526. Production of Pure Ductile Vanadium From Vanadium Oxide. Patented July 24, 1951. Ductile vanadium is prepared, in accordance with the described invention, by reacting a mixture of vanadium pentoxide and iodine with an excess of metallic calcium and then separating the massive body of vanadium from the slag produced in the reaction. Groups 28—88; 32—95. Reg. No. 44,977.

Pat. 2,562,122. Preparation of Uranium Bromide. Patented July 24, 1951. This patent discloses the preparation of uranium tetrabromide by reacting uranium dioxide with carbon disulfide and a brominating agent, such as bromine, at a temperature in the range of 600° to 800° C. Groups 28—88—89; 32—95. Reg. No. 44,978.

Pat. 2,562,150. Electrical Contact for Electrolytic Cells. Patented July 24, 1951. The invention described in this patent relates to a method for forming a corrosion resistant joint between the contact surfaces of a carbon anode and a metal support of an electrolytic fluorine cell. Groups 28—88; 34—72. Reg. No. 44,979.

Pat. 2,562,153. Vacuum Distillation. Patented July 24, 1951. This patent describes a new method and apparatus for high vacuum or molecular distillation wherein the distilland flows filmwise down a substantially vertical evaporating surface, and the condensate collected on a rotating condenser is thrown upwardly and back upon the evaporating surface by centrifugal means. Groups 29—22; 33—64. Reg. No. 44,980.

Pat. 2,562,159. Production of Xylene Hexafluoride. Patented July 24, 1951. This patent discloses an improved method for producing xylene hexafluoride from xylene hexachloride and hydrogen fluoride wherein the effective capacity of the autoclaves used for the reaction is increased several fold. Group 28—86—88. Reg. No. 44,981.

Pat. 2,562,637. Position Indicating Control Apparatus. Patented July 31, 1951. This invention relates to an improved electrical circuit control apparatus which provides a remote control action together with means indicating the accomplishment of the control action. The device was designed primarily for changing the range of an electrometer and positioning a probe used in conjunction with a particle accelerator. Group 36—19—62. Reg. No. 44,982.

Pat. 2,562,645. Electrical Scaling Circuit. Patented July 31, 1951. This patent covers a multiple scaling circuit comprising a plurality of scaling stages connected in cascade, each stage giving a single output pulse for every pair of successive input pulses, the pulses having an optimum wave form, whereby spurious pulses are minimized and the stability of adjustment is improved. Group 36—19—61. Reg. No. 44,983.

Pat. 2,563,587. Method for Mitigating Radioactive Contamination. Patented Aug. 7, 1951. In accordance with the method of this patent, radioactive contamination is removed from an object by applying a hydrolyzable silicon compound and exposing the object to moisture whereby the compound is hydrolyzed, and then removing the hydrolyzed compound and the radioactive contamination adsorbed therein. Group 28—34—93. Reg. No. 44,984.

Pat. 2,563,626. Ion Source. Patented Aug. 7, 1951. The improved ion source described in this patent is useful in mass spectrometers particularly such as apparatus for leak detection wherein helium is employed as a probe gas. The ion source is designed so that a magnetic field causes the electrons to traverse a spiral path and thereby increase the degree of ionization. Groups 36—13—61—62—92; 39—13. Reg. No. 44,985.

Pat. 2,563,718. Shielded Container. Patented Aug. 7, 1951. This patent describes a shielded container for use in storing, handling, and transporting radioactive materials. The device is provided with a simple and effective locking means for a series of container trays. Groups 33—75; 34—99. Reg. No. 44,986.

Pat. 2,563,729. Method and Apparatus for Control of Boundary Between Electrolytic Fluids. Patented Aug. 7, 1951. This invention relates to an apparatus for automatically regulating the position of the ionic boundary in a liquid medium containing dissolved ions undergoing countercurrent electromigration. An important feature of the invention resides in the combination of a pair of control electrodes inserted in the electrolytic system in a plane normal to the direction of the electrolyzing current and means responsive to the conductivity of the fluid at these electrodes for controlling the addition of a fluid to the system. Groups 28—88; 34—72; 39—11. Reg. No. 44,987.

Pat. 2,564,024. Method of Making Halocarbon Polymers. Patented Aug. 14, 1951. Polymers consisting substantially of carbon and halogen and containing high proportions of fluorine are prepared, according to the teachings of this patent, by heating compounds such as trifluoromonochloroethylene or the difluorodichloroethylenes in the presence of elemental oxygen as a polymerization promoter and at a temperature of about 60° to 100° C. Group 28—34—86—89. Reg. No. 44,988.

Pat. 2,564,241. Extraction Process for Cerium. Patented Aug. 14, 1951. In accordance with this patented invention cerium is separated from the other rare earth elements and other materials by extracting it in its tetravalent state from an acid solution containing a salting-out agent by means of a water immiscible alkyl phosphate. Groups 28—88; 32—95. Reg. No. 44,989.

Pat. 2,564,626. Measuring Device and Method of Measuring. Patented Aug. 14, 1951. This patent describes a method and apparatus for measuring neutron activity which utilizes an element that will undergo nuclear reactions and transmutation by neutron adsorption and radioactive decay to produce a different element having an electrical conductivity markedly different from that of the original element. This change in conductivity is utilized as a measure of the neutron activity or intensity to which the original element was exposed. Groups 36—13; 39—11. Reg. No. 44,990.

Pat. 2,566,052. Process for Photochemical Chlorination of Hydrocarbons. Patented Aug. 28, 1951. In accordance with the process disclosed in this patent, chlorinated paraffinic hydrocarbons of 5 or more carbon atoms in which a major portion of the hydrogen atoms have been replaced by chlorine are produced by subjecting the starting hydrocarbon, under actinic light, to the action of chlorine diluted with hydrogen chloride during the initial stage of the reaction and to the action of undiluted chlorine during the remainder of the reaction. Group 28—86—88—89. Reg. No. 44,991.

Pat. 2,566,065. Process for Photochemical Chlorination of Hydrocarbons. Patented Aug. 28, 1951. This patent concerns a process for the photochemical chlorination of hydrocarbons of the alkyl-substituted single carbon ring type, such as toluene, xylene, etc. to replace a major proportion of the hydrogen atoms in their chains with chlorine. For each hydrocarbon the process is conducted in a temperature range where the reaction of chlorine with the hydrocarbon starts spontaneously and proceeds rapidly and smoothly and with little or no darkening of the reaction mixture. Group 28—86—88—89. Reg. No. 44,992.

Pat. 2,566,665. Zirconium and Hafnium Separation Process. Patented Sept. 4, 1951. Zirconium and hafnium are separated, in the disclosed process, by extracting an aqueous solution containing water soluble salts of these elements with a water immiscible solution containing a beta-diketone, thenoyltrifluoroacetone; the zirconium is chelated and extracted into the water immiscible phase. Groups 28—88; 32—95. Reg. No. 44,993.

Pat. 2,566,684. Segmented Ionization Chamber. Patented Sept. 4, 1951. This patent describes a unique type ionization chamber for scanning the cross section of a beam of ionized particles whereby the relative density of the various portions of the beam are indicated. This chamber may also be employed to readily and accurately determine the center of the beam of ionized particles as well as the direction of the central axis of the beam. Groups 36—61—62—92; 39—11. Reg. No. 44,994.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 23, 1951

[VOL. 651. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 521,566. Davis Paint Co., Kansas City, Mo. Filed Apr. 30, 1947.

TI-OX

The term "TI" is disclaimed.
For Semi-Paste, White Exterior Paint.
Claims use since February 1932.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 29.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 543,387. Armour and Company, Chicago, Ill. Filed Dec. 5, 1947.



For Sole Leather.
Claims use since 1938.

Ser. No. 543,388. Armour and Company, Chicago, Ill. Filed Dec. 5, 1947.



For Sole Leather.
Claims use since 1938.

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948. (Classified in Class 51.)

CLOVER FARM

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.

For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia, Norwegian Laxative Salts, Effervescent Alkalizing Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hazel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporizing Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.

Claims use since 1882.

Ser. No. 572,120. Plax Corporation, West Hartford, Conn. Filed Jan. 13, 1949.

PLAX
FOR PLASTICS

The words "For Plastics" and "Not Substitutes—Improvements" are disclaimed.

For Film, Rod, Tubing, Tape, and Sheet, Formed of Resinous Plastic Materials for General Use in the Industrial Arts, but Not Including Shoe Soling Material.

Claims use since September 1943.

Ser. No. 589,464. Northwood Fur Farms, Cary, Ill. Filed Dec. 16, 1949.

NORTH WOOD

For Mink Pelts and Live Minks.
Claims use since 1930.

Ser. No. 602,732. Mock Seed Company, Pittsburgh, Pa. Filed Aug. 22, 1950.



The words "Mock's" and "Superturf" are disclaimed. The drawing is lined for green.

For Grass Seed.
Claims use since Aug. 16, 1949.

Ser. No. 604,890. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Oct. 12, 1950.

CRINOTHENE

Applicant claims ownership of British Registration No. 643,177, dated Dec. 27, 1943.

For Resinous Plastic Materials in the Form of Sheets, Rods, Tubes, and Other Definite Shapes for Further Use in the Industrial Arts.

Ser. No. 606,648. Richard Young Company, Boston, Mass. Filed Jan. 9, 1951.

Ryco CHIEFTAN

For Leather.
Claims use since June 1950.

Ser. No. 609,437. United States Gypsum Company, Chicago, Ill. Filed Jan. 31, 1951.

K·O·P

For Ground Quicklime.
Claims use since Apr. 13, 1950.

CLASS 2

RECEPTACLES

Ser. No. 373,335. Nesco, Inc., Chicago, Ill., assignee of Plia-Pail Co. Inc. Filed Feb. 4, 1949.

Plia-Pail

The word "Pail" is disclaimed.
For Rubber Garbage Pails.
Claims use since Nov. 22, 1948.

Ser. No. 579,696. Majestic Metal Specialties, Inc., New York, N. Y. Filed May 28, 1949.

Magna-Clear

The word "Clear" is disclaimed.
For Mirror and Lipstick Container Combination, Sold Empty in the Trade as a Unit.
Claims use since October 1948.

Ser. No. 602,965. Mohawk Containers, Inc., New Hartford, N. Y. Filed Aug. 30, 1950.

HYDRESIST

For Corrugated Paper Shipping Boxes.
Claims use since Apr. 24, 1950.

Ser. No. 607,304. Worcester Toy Company, Worcester, Mass. Filed Dec. 5, 1950.



The mark does not identify any particular living individual.

For Molded Plastic Cups and Saucers, Creamers, Sugar Bowls, Teapots, Trays, Dinner Plates, Soup Bowls, Cereal Dishes, and Tumblers.
Claims use since Nov. 2, 1949.

Ser. No. 610,007. Cutler Mail Chute Company, Rochester, N. Y. Filed Feb. 13, 1951. (Sec. 2f.)

CUTLER

Applicant claims ownership of Registrations Nos. 57,745, 223,813, and others.

For Mail Chutes and Mail Boxes.
Claims use since Jan. 1, 1884.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 568,529. Paragon Luggage Co., Inc., New York, N. Y. Filed Nov. 10, 1948.

Fleetline

For Handbags, Briefcases, Trunks, Bill Folds, Valises, and Suitcases.
Claims use since July 1, 1946.

Ser. No. 572,774. J. Rudolph, Inc., New York, N. Y. Filed Jan. 25, 1949.

Bag-O-Lite

The word "Bag" is disclaimed.
For Ladies' Handbags.
Claims use since Dec. 14, 1948.

Ser. No. 606,436. Platt Luggage, Inc., Chicago, Ill. Filed Nov. 15, 1950.

COBBLER HIDE

The word "Hide" is disclaimed.
For Hand Luggage.
Claims use since Aug. 20, 1950.

Ser. No. 606,830. Paul Weinberger, doing business under the name of Triumph Leather Goods Co., New York, N. Y. Filed Nov. 22, 1950.

Triumph

For Billfolds, Wallets, and Key Cases.
Claims use since 1941.

Ser. No. 608,032. Florine Cates, Denver, Colo. Filed Dec. 23, 1950.

Little Traveler

For Money Belt.
Claims use since Sept. 15, 1950.

Ser. No. 608,455. Jack Greenbaum, New York, N. Y. Filed Jan. 6, 1951.

WORLD TRAVELER

For Ladies' Handbags.
Claims use since Dec. 1, 1950.

Ser. No. 608,561. McGregor Leather Products Corp., New York, N. Y. Filed Jan. 9, 1951.

Barihyde

For Ladies' and Men's Wallets.
Claims use since Apr. 3, 1950.

Ser. No. 609,078. Croyden Leather Products, Inc., New York, N. Y. Filed Jan. 22, 1951.

CROYDEN

For Wallets or Billfolds.
Claims use since Feb. 1, 1947.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 568,277. The Pure Oil Company, Chicago, Ill. Filed Nov. 5, 1948. (Sec. 2f.)

PURE

Applicant claims ownership of Registrations Nos. 343,233 and 349,765.

For Paints (Black and White for Tires); Combination Automobile Cleaner and Polish; and Automobile Cleaner and Wax for Protective Coating.
Claims use since May 14, 1938.

Ser. No. 578,318. Colonial Chemical Co. Inc., Seattle, Wash. Filed May 6, 1949.

COLONIAL LABORATORIES · FACILE PRIMUS ·

The word "Laboratories" and the slogan "Facile Primus" which means "Easily First," are disclaimed.

For General Cleaner, Brass and Silver Polishes, and Glass Cleaner.
Claims use since Apr. 1, 1946.

Ser. No. 598,209. Silicone Polish Co p., New York, N. Y. Filed May 26, 1950.



The word "Formula" is disclaimed.
For Polish for Automobiles, Furniture, Floors, Metals, and Porcelain Surfaces.
Claims use since December 1949.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 509,504. Demert & Dougherty, Inc., Chicago, Ill. Original filed, act of 1905, Sept. 21, 1946; amended to application under act of 1946, Principal Register, July 15, 1947. (Classified in Class 15.)



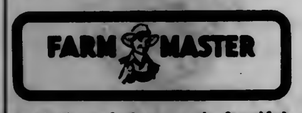
For Disinfectants, Insecticides, Insect Sprays, Stock Sprays, Fly Sprays, Rat Poisons, and Oils for General Industrial Use—Namely, Creosote Oil and Pine Oil Used Also as a Disinfectant and a Chemical Ingredient for Use in Gasoline To Absorb Moisture, To Aid in Quick Starting, To Eliminate Ping and Knock and To Prevent Carburetor Freezing and Waste of Gasoline; and for Use in Fuel Oil To Absorb Fuel Tank Moisture, To Reduce Soot and Carbon Formation, To Prevent Clogging of Burner, To Reduce Formation of Sludge, To Improve Oil Heater Efficiency and To Save Fuel Oil.
Claims use since Apr. 1, 1923.

Ser. No. 531,955. Sonoco Products Company, Hartsville, S. C. Filed Aug. 20, 1947. (Classified in Class 16.)



The words "Serves the World" are disclaimed.
For Resin Base Paints and Liquid Resins.
Claims use since June 17, 1947.

Ser. No. 561,407. Sears, Roebuck and Co., Chicago, Ill. Filed Mar. 6, 1948. (Classified in Class 52.)



The representation of the man is fanciful.
For Synthetic Detergents in Powder and Liquid Forms for Cleaning Milking Equipment and Dairy Utensils, Leather Preservatives—Namely, Harness Oil and Neat's-Foot Oil.
Claims use since Jan. 15, 1945.

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948. (Classified in Class 51.)

CLOVER FARM

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.
For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia, Norwegian Laxative Salts, Effervescent Alkalizing Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hasel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporizing Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.
Claims use since 1882.

Ser. No. 599,606. American Machinery Corporation, Orlando, Fla. Filed June 23, 1950.

PLAXITE

For Coating Material for Perishable, Edible Products (Such, as an Example, as Fruits, Vegetables, Meats, and Poultry) To Prevent Drying Out or Shrinking During Shipment and Storage Thereof.
Claims use since Apr. 10, 1950.

Ser. No. 599,607. American Machinery Corporation, Orlando, Fla. Filed June 23, 1950.



For Coating Material for Perishable, Edible Products (Such, as an Example, as Fruits, Vegetables, Meats, and Poultry) To Prevent Drying Out or Shrinking During Shipment and Storage Thereof.
Claims use since Apr. 10, 1950.

Ser. No. 607,281. Bay State Abrasive Products Company, Westboro, Mass. Filed Dec. 5, 1950.

BASAR

For Compound for Preparing Coolant Solution for Wet Grinding or Cutting Operations.
Claims use since July 29, 1949.

Ser. No. 609,161. Bostwick Laboratories, Inc., Bridgeport, Conn. Filed Jan. 24, 1951.



For Room Deodorant.
Claims use since Nov. 1, 1950.

Ser. No. 609,203. O. M. Scott & Sons Company, Marysville, Ohio. Filed Jan. 24, 1951.

4-XD

For Preparation for Weed Control.
Claims use since Dec. 14, 1950.

Ser. No. 609,245. Lake Chemical Company, Chicago, Ill. Filed Jan. 25, 1951.

"LA-CO"

For Soldering Flux.
Claims use since Dec. 1, 1950.

Ser. No. 609,271. American Cyanamid Company, New York, N. Y. Filed Jan. 26, 1951.

ACCOCEL

For Pitch Dispersants.
Claims use since Dec. 21, 1950.

Ser. No. 609,273. Archer-Daniels-Midland Company, Minneapolis, Minn. Filed Jan. 26, 1951.

ARLECIN

For Soybean Lecithins of Plastic and of Soft Consistency, Bleached and Unbleached.
Claims use since February 1947.

Ser. No. 609,340. Hooker Electrochemical Company, Niagara Falls, N. Y. Filed Jan. 27, 1951.

MPS

For Compositions of Chlorination Derivatives of Fatty Acid Esters.
Claims use since June 30, 1950.

CLASS 7

CORDAGE

Ser. No. 600,848. Portco Corporation, Vancouver, Wash., and Portland, Oreg. Filed July 18, 1950.



The word "Ties" is disclaimed.
For Resin-Impregnated Paper-Covered Wire Ties.
Claims use since Mar. 22, 1950.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 554,194. All-Steel Equipment Inc., Aurora, Ill. Filed Apr. 9, 1948. (Sec. 2f.)

RACO-ALL-STEEL

For Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists.
Claims use since September 1936.

Ser. No. 556,518. All-Steel Equipment Inc., Aurora, Ill. Filed May 8, 1948. (Sec. 2f.)

ALL-STEEL-EQUIP

For Construction Materials—Namely, Concrete Rings and Plates Used in Concrete Buildings, and Supports for Adjustably Mounting a Threaded Shank Between Studs or Joists.
Claims use since June 1921.

Ser. No. 581,761. Davidson Enamel Products, Inc., Lima, Ohio. Filed July 11, 1949.



The name "Davidson" and the words "Architectural Porcelain Enamel" are disclaimed.
For Porcelain Enamel Sheet Siding for Buildings.
Claims use since October 1946.

Ser. No. 583,760. Ernest Kluegel Co., St. Paul, Minn. Filed Aug. 20, 1949.

"Packy"

For Prefabricated Clothes Chutes and Prefabricated Dust Chutes.
Claims use since May 2, 1949.

Ser. No. 584,039. The Logan-Long Company, Chicago, Ill. Filed July 8, 1949.

PERMA-TAB

The word "Tab" is disclaimed.
For Square-Butt Strip Shingles.
Claims use since Mar. 15, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 535,927. Brass-Craft Manufacturing Company, Detroit, Mich. Filed Sept. 27, 1947.



The words "Brass" and "Craft" are disclaimed.
For Metal Water Pipe and Tubing; Pipe and Tube Fittings—Namely, Nipples, Elbows, Adapters, Couplings, Compression Nipples, Sleeves and Nuts; and Plumbing Fixtures—Namely, Escutcheons, Sink, Water Closet and Lavatory Valves, and Drainage Fittings for Connecting the Drain of a Sink or Lavatory to a Trap.
Claims use since Apr. 1, 1946.

Ser. No. 535,928. Brass-Craft Manufacturing Company, Detroit, Mich. Filed Sept. 27, 1947.

SPEEDWAY

For Metal Water Pipe and Tubing; Pipe and Tube Fittings—Namely, Nipples, Elbows, Adapters, Couplings, Compression Nipples, Sleeves and Nuts; and Plumbing Fixtures—Namely, Escutcheons, Sink, Water Closet and Lavatory Valves, and Drainage Fittings for Connecting the Drain of a Sink or Lavatory to a Trap.
Claims use since Aug. 30, 1945.

Ser. No. 545,091. Continental Steel Corporation, Kokomo, Ind. Filed Dec. 22, 1947.



The trade-mark consists of a red-colored, substantially semiovalescent, or semielliptical tag, the vertical lining indicating the color red. The representation of a tag is disclaimed. Applicant claims ownership of Registrations Nos. 275,976, 215,228, and 515,625.
For Reeled Barbed Wire.
Claims use since 1936.

Ser. No. 585,676. California Wire Products Co., Inc., Visalia, Calif. Filed Dec. 2, 1949.

Calwire

For Wire Staples Used in Stapling Papers, Cardboard, Wood, and Metal.
Claims use since Nov. 15, 1946.

Ser. No. 600,348. Henry M. Peters, doing business under the style and name of Tatch-A-Tray Products, Chicago, Ill. Filed July 7, 1950.

TATCH-A-TRAY

The word "Tray" is disclaimed.
For Combined Metal Tray and Clamp.
Claims use since May 22, 1950.

Ser. No. 608,496. The Delron Company, Inc., Los Angeles, Calif. Filed Jan. 8, 1951.



The mark consists of a lower case letter "d" and a lower case letter "c" having their adjacent portions in common, so that the vertical stem of the "d" is central between the rounded body portion of the "d" and "c" respectively.
For Lock-Nuts and Bolts.
Claims use since Nov. 8, 1950.

Ser. No. 610,179. Knickerbocker Rubber Company, Chicago, Ill. Filed Feb. 16, 1951.

WATER thief

The word "Water" is disclaimed.
For Water Faucet Hose Connections.
Claims use since Nov. 15, 1950.

Ser. No. 611,638. Brownie Hinge & Specialties, Chicago, Ill. Filed Mar. 22, 1951.



The words "Double Joint Strap Hinge" and the representation of the goods are disclaimed.
For Hinges.
Claims use since Mar. 15, 1951.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 595,173. Victor Equipment Company, San Francisco, Calif. Filed Apr. 3, 1950.

VICTOR

For Coated and Uncoated Welding Rods.
Claims use since June 15, 1949.

Ser. No. 595,175. Victor Equipment Company, San Francisco, Calif. Filed Apr. 3, 1950.

VICTOR HS-1

For Coated and Uncoated Welding Rods.
Claims use since June 15, 1949.

Ser. No. 595,176. Victor Equipment Company, San Francisco, Calif. Filed Apr. 3, 1950.

VICTOR HS-6

For Coated and Uncoated Welding Rods.
Claims use since June 15, 1949.

CLASS 15

OILS AND GREASES

Ser. No. 509,504. Demert & Dougherty, Inc., Chicago, Ill. Original filed, act of 1905, Sept. 21, 1946; amended to application under act of 1946, Principal Register, July 15, 1947.



For Disinfectants, Insecticides, Insect Sprays, Stock Sprays, Fly Sprays, Rat Poisons and Oils for General Industrial Use—Namely, Creosote Oil and Pine Oil Used Also as a Disinfectant and a Chemical Ingredient for Use in Gasoline To Absorb Moisture, To Aid in Quick Starting, To Eliminate Ping and Knock and To Prevent Carburetor Freezing and Waste of Gasoline; and for Use in Fuel Oil To Absorb Fuel Tank Moisture, To Reduce Soot and Carbon Formation, To Prevent Clogging of Burner, To Reduce Formation of Sludge, To Improve Oil Heater Efficiency and To Save Fuel Oil.
Claims use since Apr. 1, 1923.

Ser. No. 538,488. Bodie-Hoover Petroleum Corporation, Chicago, Ill. Filed Oct. 21, 1947. (Sec. 2f.)

MOTOR SEAL

For Lubricating Oil.
Claims use since Feb. 7, 1934.

Ser. No. 609,888. Sun Oil Company, Philadelphia, Pa. Filed Feb. 9, 1951.

SUNOCO

MERCURY

Applicant claims ownership of Registrations Nos. 128,183 and 299,511.
For Motor Oil.
Claims use since Dec. 11, 1950

Ser. No. 610,032. The Silicote Corporation, Oshkosh, Wis. Filed Feb. 13, 1951.

Silicote

Applicant claims ownership of Registration No. 432,432.
For Gun and Reel Lubricants.
Claims use since February 1946.

Ser. No. 610,353. Thomas J. Yacenda, trading as Deep Rock Refining Co., Richmond, Va. Filed Feb. 20, 1951.

PENTAGON

For Lubricating Oils.
Claims use since Jan. 24, 1951.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 530,802. Breinig Brothers, Inc., Hoboken, N. J. Filed Aug. 8, 1947.

FIRZITE

For Varnishes, Lacquers, Wood Sealers, Primers of the Pigmented Vehicle and Clear Vehicle Types, Protective and Decorative Paint and Varnish Type Coatings.
Claims use since March 1939.

Ser. No. 531,955. Sonoco Products Company, Hartsville, S. C. Filed Aug. 20, 1947.



The words "Serves The World" are disclaimed.
For Resin Base Paints and Liquid Resins.
Claims use since June 17, 1947.

Ser. No. 552,841. Carsolite Corporation, Maywood, Ill. Filed Mar. 24, 1948.

Cars-O-Lite

The word "Lite" is disclaimed.
For Plasticized Resin Preparation for Coating and Sealing the Surfaces of Floors, Furniture, and the Like.
Claims use since 1933.

Ser. No. 568,777. The Pure Oil Company, Chicago, Ill. Filed Nov. 2, 1948. (Classified in Class 4.) (Sec. 2f.)

PURE

Applicant claims ownership of Registrations Nos. 343,233 and 349,765.

For Paints (Black and White for Tires); Combination Automobile Cleaner and Polish; and Automobile Cleaner and Wax for Protective Coating.

Claims use since May 14, 1938.

Ser. No. 575,726. Stewart Paint Manufacturing Company, Minneapolis, Minn. Filed Mar. 19, 1949.

GRANITILE

For Varnish.

Claims use since June 1938.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 563,444. Antoni & Frances Szejner Co., Chicago, Ill. Filed Aug. 16, 1948.

CUDEK

For Salve for Skin Diseases, Boils, Wounds, Bruises, and Contusions.

Claims use since July 17, 1948.

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948. (Classified in Class 51.)

CLOVER FARM

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.

For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia, Norwegian Laxative Salts, Effervescent Alkalizing Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hazel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporizing Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.

Claims use since 1882.

Ser. No. 576,756. Jack S. Hyman, Teaneck, N. J. Filed Apr. 7, 1949.

Ammi-Foam

The word "Foam" is disclaimed.

For Mouth Wash Having Medicative Properties.

Claims use since Mar. 29, 1949.

Ser. No. 587,879. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 16, 1949.

ANEXSIA

For Medicinal Preparation Providing Analgesic, Antipyretic, and Sedative Action, Having Wide Application in the Relief of Pain.

Claims use since Jan. 1, 1938.

Ser. No. 587,898. The S. E. Massengill Company, Bristol, Tenn. Filed Nov. 16, 1949.

THALFED

For Medicinal Preparation Designed for Use in the Treatment of Asthmatic Paroxysm and Prophylactically in Warding Off Seizures.

Claims use since Jan. 1, 1941.

Ser. No. 589,783. William A. Griffin, doing business under the fictitious firm name of 3F Products Co., South Pasadena, Calif. Filed Dec. 22, 1949.



The drawing is lined for blue and gold. "Fortified Food Factors" is disclaimed.

For Food Supplement in Pellet or Pill Form.

Claims use since July 11, 1949.

Ser. No. 590,671. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

AORAL

For Pharmaceutical Preparation Containing Vitamin A and Indicated for the Treatment of Vitamin A Deficiencies.

Claims use since Jan. 1, 1939.

Ser. No. 590,683. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

NIPIRIN

For Pharmaceutical Preparation Combining Analgesic and Sedative Agents, Indicated for the Relief of Pain.

Claims use since Nov. 1, 1944.

Ser. No. 590,688. The S. E. Massengill Company, Bristol, Tenn. Filed Jan. 11, 1950.

RECTODYNE

For Pharmaceutical Preparation Having Anodyne, Hemostatic, Astringent, and Antipruritic Action.

Claims use since Sept. 13, 1938.

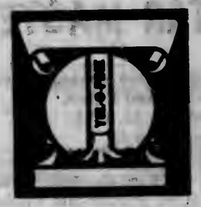
Ser. No. 595,899. The S. E. Massengill Company, Bristol, Tenn. Filed Apr. 18, 1950.

BEDOXINE

For Pharmaceutical Preparation Containing as Its Main Active Ingredient Pyridoxine Hydrochloride (Vitamin B_6).

Claims use since Dec. 9, 1942.

Ser. No. 598,231. Yellow Pine Medicine Company, Inc., Montgomery, Ala. Filed May 26, 1950. (Sec. 2f.)



Applicant claims ownership of Registration No. 110,910.

For Medicinal Liniment.

Claims use since Mar. 10, 1937.

Ser. No. 599,695. Cerbini & Co., New York, N. Y. Filed June 24, 1950.

CERBARTROL

For Medicinal Preparation for the Treatment of Arthritic Conditions.

Claims use since June 1, 1950.

Ser. No. 599,696. Cerbini & Co., New York, N. Y. Filed June 24, 1950.

CERBLASTOL

For Medicinal Preparation for the Treatment of Cancer.

Claims use since June 1, 1950.

Ser. No. 603,683. Hibdon Brothers Medicine Co., Morrison, Tenn. Filed Sept. 18, 1950.

HIBDON'S MAGIC REMEDY

The words "Hibdon's" and "Remedy" and the representation of the bottle are disclaimed.

For Medicinal Preparation for the Relief of Skin Diseases, Eczema, Poison Oak, Minor Burns, Fresh Cuts, Old Sores and Toe Itch.

Claims use since Apr. 15, 1950.

Ser. No. 604,556. Firmenich & Co., New York, N. Y., assignor to Firmenich, Incorporated, New York, N. Y., a corporation of Delaware. Filed Sept. 1, 1950.

ANTHEROSIA

Applicant claims ownership of Registration No. 284,585.

For Natural and Synthetic Essential Oils, Aromatic Chemicals From Natural or Other Sources, Used as a Flavoring Material or an Ingredient in Medicines and Pharmaceutical Preparations.

Claims use since Nov. 8, 1930.

Ser. No. 606,793. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOPCO 100

Applicant claims ownership of Registrations Nos. 284,349, 284,350, and others.

For Fat-Soluble Vitamin-Containing Glyceride Oils.

Claims use since June 1949.

Ser. No. 606,794. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOPCO-R

Applicant claims ownership of Registrations Nos. 284,349, 284,350, and others.

For Riboflavin.

Claims use since June 1948.

Ser. No. 606,795. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOPCOL

Applicant claims ownership of Registration No. 405,801.

For Fat-Soluble Vitamin Concentrates.

Claims use since August 1949.

Ser. No. 606,796. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

nopcol MDP

Applicant claims ownership of Registration No. 405,801.

For Fat-Soluble Vitamin Concentrates.

Claims use since August 1947.

Ser. No. 606,797. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

NOP DRY

The word "Dry" is disclaimed.

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.

Claims use since September 1949.

Ser. No. 606,801. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

VADREX

For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since August 1947.

Ser. No. 606,802. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

VIAD

Applicant claims ownership of Registration No. 507,547.
For High Potency Vitamin-Containing Solids for Fortifying Foods and Feeds With Vitamins.
Claims use since August 1947.

Ser. No. 606,803. Nopco Chemical Company, Harrison, N. J. Filed Nov. 22, 1950.

Vitex

Applicant claims ownership of Registrations Nos. 306,141 and 317,045.
For Fat-Soluble Vitamin Concentrates.
Claims use since August 1950.

Ser. No. 606,020. Maxie Russell, Newark, N. J. Filed Dec. 22, 1950.

MIRACLE PILLOW

The word "Pillow" is disclaimed.
For Mixture of Dried Aromatic Leaves Enclosed in a Bag-Shaped Textile Container for Use as an Inhalator.
Claims use since February 1950.

Ser. No. 606,825. McNeil Laboratories, Incorporated, Philadelphia, Pa. Filed Jan. 16, 1951.

SYNTIL

For Medicinal Preparation To Correct Central Nervous System Imbalance.
Claims use since July 6, 1950.

Ser. No. 606,865. Bill Flucker, Good Water, Ala. Filed Jan. 17, 1951.

Flucker's Forgetting

The word "Flucker's" is disclaimed.
For Liniment and Salve for External Medicinal Use.
Claims use since July 1, 1928.

CLASS 19

VEHICLES

Ser. No. 606,921. Harley-Davidson Motor Co., Milwaukee, Wis. Filed Oct. 25, 1950.

Tele - Glide

For Motorcycles and Frame and Fork Parts.
Claims use since Aug. 28, 1950.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 572,100. Hercules Steel Products Corporation, doing business as Star Manufacturing Company, Galion, Ohio. Filed Jan. 13, 1949.

STAR-MASTER

For Electrically Heated Counter Appliances—Namely, Food Warmers, Grills, and Fryers.
Claims use since July 11, 1941.

Ser. No. 593,606. Clifford R. Myre, doing business under the name and style, Paynesville Products Co., Paynesville, Minn. Filed Mar. 8, 1950.

TOPPER

For Radio and Television Antenna.
Claims use since Aug. 20, 1949.

Ser. No. 605,991. Casco Products Corporation, Bridgeport, Conn. Filed Nov. 7, 1950.

CASCO-CRAFT

The word "Craft" is disclaimed. Applicant claims ownership of Registration No. 394,930.
For Hand Held Electric Motor Driven Tool Holders for Drilling, Polishing, Etc.
Claims use since July 11, 1950.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 567,242. Harry M. Dorn, New York, N. Y. Filed Oct. 20, 1948.



For Rubber Toys for Dogs and Cats, Such as Balls, Bones, Hot Dogs.
Claims use since Nov. 3, 1944.

Ser. No. 616,349. The United States Playing Card Company, Cincinnati, Ohio. Filed July 11, 1951.

Kenilworth

For Playing Cards.
Claims use since Jan. 14, 1930.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 533,664. E. W. Bliss Company, Detroit, Mich., and Toledo, Ohio. Filed Sept. 6, 1947. (Sec. 2f.)

HYDRO DYNAMIC

Applicant claims ownership of Registration No. 375,365.
For Hydraulic Metal Working Presses of All Kinds.
Claims use since June 14, 1935.

Ser. No. 544,328. Crescent Truck Company, Lebanon, Pa. Filed Dec. 15, 1947.

AISLE-SAVER

For Electric Trucks for Lifting, Transporting, and Stacking Purposes.
Claims use since June 15, 1947.

Ser. No. 545,320. W & W Manufacturing Company, Grandview, Mo. Filed Dec. 23, 1947.

V-VAC

For Venetian Blind Cleaning Brush for Attachment to Suction Cleaner Hose.
Claims use since May 12, 1947.

Ser. No. 553,198. Hewitt-Robins, Incorporated, Buffalo, N. Y. Filed Mar. 27, 1948.

VIBRA-VEYOR

For Material Handling Equipment—Namely, Conveyors and Parts Thereof for Carrying and Hoisting Loose Materials.
Claims use since Aug. 12, 1947.

Ser. No. 558,223. Fire Master Corporation, Brooklyn, N. Y. Filed June 1, 1948.



The word "Fire" and the expression "Always on Guard" are disclaimed. The drawing is lined to indicate red.
For Portable Automatic Sprinkler Type Fire Extinguishers.
Claims use since Apr. 15, 1948.

Ser. No. 564,221. Sequatchie Handle Works, Sequatchie, Tenn. Filed Aug. 26, 1948.



The word "Hickory" is disclaimed.
For Hickory Tool Handles.
Claims use since December 1938.

Ser. No. 565,221. Arrowhead Rubber Co., Vernon, Calif. Filed Sept. 16, 1948.



For the Following Items, Made Wholly or in Part From Rubber or Rubber Substitutes or From Synthetic Resins: Motor Mountings; Nonmetallic Rollers for Use as Idling Parts and as Driven Members in Machines; and Flex Joints, Comprising Yielding Juncture Means for Joining Two Rods, Axles, or Other Machine Parts Together in a Manner Allowing Some Degree of Angular Displacement.
Claims use since June 1939.

Ser. No. 566,765. Pettibone Mulliken Corporation, Chicago, Ill. Filed Oct. 9, 1948.

PREPARATOR

For Portable Machines for Collecting, Screening, Removing Scrap From, Aerating and Discharging in Stream Form Molding Sand.
Claims use since May 3, 1948.

Ser. No. 607,099. Sam Sacks, doing business as Uneeda Shine Machine Company, New York, N. Y. Filed Nov. 29, 1950.

"Shu-Shine Joe"

The words "Shu-Shine" are disclaimed.
For Shoe Shine Machines.
Claims use since Aug. 1, 1950.

Ser. No. 609,883. Romac Industries, Audubon, N. J. Filed Feb. 9, 1951.

AIRBORNE

For Closure Controlled Automatic Sprayer for Producing Insecticide, Germicide, Fungicide, or Deodorizing Aerosols.
Claims use since Jan. 4, 1951.

Ser. No. 611,149. The Shetland Co., Inc., Lynn, Mass. Filed Mar. 10, 1951.

Shetland

For Machine for Polishing, Buffing, Sanding or Drilling.
Claims use since Feb. 19, 1951.

Ser. No. 611,198. Republic Gear Company, Detroit, Mich. Filed Mar. 12, 1951.

REPUBLIC

Applicant claims ownership of Registrations Nos. 283,522 and 520,808.
For Timing Chains.
Claims use since Mar. 1, 1949.

Ser. No. 611,249. Gilbert & Barker Manufacturing Company, West Springfield, Mass. Filed Mar. 14, 1951.

Gilbarco

Applicant claims ownership of Registrations Nos. 317,236 and 333,355.
For Coolant Pumps.
Claims use since June 17, 1944.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 601,541. Fisher & Ludlow Limited, Birmingham, England. Filed Aug. 1, 1950.

THERMOMATIC

Applicant claims ownership of British Registration No. 682,240, dated Sept. 7, 1949.
For Washing Machines.

Ser. No. 609,364. Geuder, Paeschke & Frey Co., Milwaukee, Wis. Filed Jan. 29, 1951.

GPF SINCE 1880

The words "Since 1880" and "Milwaukee" are disclaimed.
For Ironing Tables and Wash Tubs.
Claims use since May 15, 1949, as shown; and since 1909 as to "G. P. & F."

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 593,697. Aeroquip Corporation, Jackson, Mich. Filed Apr. 14, 1950.



Applicant claims ownership of Registration No. 402,388.
For Electronic Pressure Gauges and Pressure Sensitive Elements for Electronic Pressure Gauges.
Claims use since Nov. 15, 1946.

Ser. No. 593,700. Aeroquip Corporation, Jackson, Mich. Filed Apr. 14, 1950.

AEROQUIP

Applicant claims ownership of Registration No. 402,052.
For Electronic Pressure Gauges and Pressure Sensitive Elements for Electronic Pressure Gauges.
Claims use since Nov. 15, 1946.

Ser. No. 598,176. The Foxboro Company, Foxboro, Mass. Filed May 26, 1950.

Phantom

For Temperature-Recording Instruments and the Like.
Claims use since Apr. 8, 1949.

Ser. No. 601,711. Circle S Products Co., Chicago, Ill., assignor to Circle "S" Products Co., Inc., Chicago, Ill., a corporation of Illinois. Filed Aug. 4, 1950.

ROTO-LITE

The word "Lite" is disclaimed.
For Photographic Mountings Adapted To Be Held by the Hand or Mounted on a Tripod To Hold a Camera and a Plurality of Flood Lamps for the Purpose of Taking Motion Pictures.
Claims use since Dec. 16, 1947.

Ser. No. 613,111. Hugo R. Hustad, doing business as M-R Guide Company, Detroit, Mich. Filed Mar. 16, 1951.

Menstro-Rhythm GUIDE

The words "Rhythm" and "Guide" are disclaimed.
For Mechanical Calculating Charts for Use in Determining Periods in the Menstrual Cycle.
Claims use since May 4, 1948.

Ser. No. 613,173. Lear, Incorporated, Grand Rapids, Mich. Filed Apr. 26, 1951.

OMNIPACK

For Radio Direction Finding Equipment—Namely, a Packaged Unit Including a Power Supply for an Electronic Circuit, and a Converter for Translating an Audio Signal Containing Radio-Directional Information Received From an Omnirange Direction Finding System for Aircraft Into a Voltage for Operating an Indicator in the Form of a Cathode Ray Tube To Show the Bearing of the Omnirange Station.
Claims use since Nov. 18, 1948.

Ser. No. 613,176. Lear, Incorporated, Grand Rapids, Mich. Filed Apr. 26, 1951.

OMNISCOPE

For Radio Direction Finding Equipment—Namely, a Cathode Ray Tube Supported in a Frame for Attachment to an Instrument Panel of an Airplane or Other Vehicle, the Tube Being Interconnected Into an Electronic Circuit for Providing a Circular Pattern Interrupted by a Pip on the Face of the Tube, Which Pip Indicates the Bearing to the Omnirange Station, and the Frame Carrying Indicia for Relating the Position of the Pip to a Point of the Compass.
Claims use since Nov. 18, 1948.

Ser. No. 613,519. Newport Optical Manufacturing Co., Inc., Brooklyn, N. Y. Filed May 4, 1951.

Peter Pan

For Spectacle Frames.
Claims use since Apr. 11, 1951.

Ser. No. 613,566. C. P. Goerz American Optical Company, New York, N. Y. Filed May 5, 1951.

APOGOR

For Photographic Lenses Made in Various Focal Lengths Consisting of Seven Air-Spaced Lens Elements, Mounted in Front and Rear Cells Connected by a Metal Barrel, Used Exclusively for Motion Picture Cameras.
Claims use since 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 607,224. Manhattan Novelty Corporation, New York, N. Y. Filed Dec. 2, 1950. (Sec. 2f.)

EVANS

Applicant claims ownership of Registration No. 363,237.
For Watches.
Claims use since Nov. 3, 1937.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 518,717. Commodore Record Co., Inc., New York, N. Y. Original filed, act of 1905, Mar. 8, 1947; amended to application under act of 1946, Principal Register. Feb. 4, 1948.

COMMODORE

For Mechanically Grooved Phonograph Records.
Claims use since 1938.

Ser. No. 563,124. Wayne Lewis, New York, N. Y. Filed Aug. 10, 1948.

New Response

For Mouthpieces for Musical Wind Instruments.
Claims use since Apr. 2, 1948.

Ser. No. 563,453. Erik Algot Bengtsson, doing business as Dragspelstjanst, Stockholm, Sweden. Filed Aug. 16, 1948.

Bengt

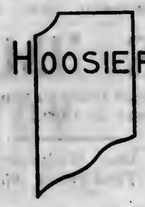
Applicant claims ownership of Swedish Registration No. 58,132, dated Mar. 4, 1944.
For Accordions, Mouth Organs, Bandonions, Concertinas, and Organs as Well as Pipes, Bellows, Keys, and Frames for These Instruments; Violins, Violoncellos, Bass-Viols, Guitars, Lutes, Mandolins, Banjos, Zithers, Pianos, Harps, Balalaikas, Saxophones, Cornets, Clarinets, and Trombones.

Ser. No. 596,291. Mercury Record Corporation, Chicago, Ill. Filed Apr. 25, 1950.



For Grooved Phonograph Records.
Claims use since Dec. 15, 1945.

Ser. No. 602,399. Hoosier Band Instrument Co. Inc., Elkhart, Ind. Filed Aug. 18, 1950.



The outline representation of the map of Indiana is disclaimed.
For Musical Instruments, Such as Clarinets, Trumpets, Cornets, Trombones, Piccolos, Flutes, and Oboes.
Claims use since May 29, 1950.

Ser. No. 604,808. F. A. Reynolds Co. Inc., Cleveland, Ohio. Filed Oct. 12, 1950.

EMPEROR

For Musical Horns.
Claims use since Nov. 1, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,145. Western Tablet & Stationery Corporation, Dayton, Ohio. Original filed, act of 1905, July 3, 1947; amended to application under act of 1946, Principal Register, July 5, 1951. (Sec. 2f.)

TWO TONE

For Paper Tablets.
Claims use since 1908.

Ser. No. 543,624. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f as to "McBee.")

Athenian

Bond

Applicant claims ownership of Registrations Nos. 196,695, 196,696, 284,817, 361,595, and 441,814.
For Bond Paper.
Claims use since Mar. 31, 1944, as shown; and since July 1928 as to the name "McBee."

Ser. No. 543,626. The McBee Company, Athens, Ohio. Filed Dec. 6, 1947. (Sec. 2f.)

McBEE BOND

The lining is for shading only. The word "Bond" is disclaimed. Applicant claims ownership of Registrations Nos. 196,695 and 361,595.
For Bond Paper.
Claims use since Jan. 2, 1936.

Ser. No. 568,068. Robert A. Drake, doing business as Size 'Im Up, Winchester, Mass. Filed May 25, 1950.

SIZE 'IM UP

For Partially Printed Identification Cards.
Claims use since Mar. 31, 1950.

Ser. No. 609,672. Asam Wallpapers, Inc., Philadelphia and Reading, Pa. Filed Feb. 6, 1951.

DUROLITE

Applicant claims ownership of Registration No. 256,140.
For Wallpaper.
Claims use since Nov. 1, 1928.

CLASS 39

CLOTHING

Ser. No. 531,355. L. Nachman & Son, Inc., Philadelphia, Pa. Filed Aug. 14, 1947.

SPORTSWIRL

Applicant claims ownership of Registration No. 407,802.
For Women's and Misses' Textile Aprons.
Claims use since May 15, 1947.

Ser. No. 544,372. New Era Shirt Company, St. Louis, Mo. Filed Dec. 15, 1947. (Sec. 2f.)

Fine Fold

The outline of a shirt collar is disclaimed. Applicant claims ownership of Registration No. 376,745.
For Men's Shirts With Collars Attached.
Claims use since Apr. 15, 1938.

Ser. No. 552,932. Associated Distributors, Inc., New York, N. Y. Filed Mar. 25, 1948.

Alice Dale

The name "Alice Dale" is fanciful.
For Ladies' Panties, Slips, Nightgowns, Pajamas, Negligees, Aprons, Overalls, Lounging Robes, and Bathrobes; and Children's and Infants' Bathrobes and Overalls.
Claims use since Feb. 26, 1948.

Ser. No. 554,005. Berkeley Sportwear Co., Inc., New York, N. Y. Filed Apr. 7, 1948.

Play-Safe

For Sporting Garments—Namely, Children's Baseball, Football, and Warmup Jackets.
Claims use since Jan. 15, 1948.

Ser. No. 561,374. The Harvey Co., Nashville, Tenn. Filed Jan. 7, 1948. (Sec. 2f.)

Harfield

Applicant claims ownership of Registration No. 525,190.
For Wearing Apparel, Specifically Women's, Children's, and Girls' Dresses, Coats, Suits, Outer Skirts, Jackets, Slacks, Blouses, Hats, Gloves Made of Leather, Fabric, and Combinations Thereof, Negligees, Pajamas, Nightgowns, Slips, Petticoats, Sweaters, Hosiery, Scarves, Collars, Neckties, Handkerchiefs, Bathing Suits, Play Suits, Outer Shorts, Corsets, Girdles, Panties, Brassières, Chemises, Drawers, Riding Jackets, Riding Trousers, Jodhpurs, Raincoats, and Shoes and Slippers Made of Leather, Fabric, Rubber, and Combinations Thereof; Men's and Boys' Suits, Coats, Jackets, Vests, Trousers, Hats, Gloves Made of Leather, Fabric, and Combinations Thereof, Hosiery, Outer Shirts and Undershirts, Underwear, Bathrobes, Pajamas, Sweaters, Scarves, Ties, Handkerchiefs, Bathing Suits, Riding Jackets, Riding Trousers, Jodhpurs, Raincoats, and Shoes and Slippers Made of Leather, Fabric, Rubber, and Combinations Thereof; Infants' Coats, Dresses, Suits, Slips, Sacques, Hats, Caps, Gloves, Scarves, Bathrobes, Pajamas, Nightgowns, Underwear, Hosiery, Shoes and Slippers Made of Leather, Fabric, Rubber, and Combinations Thereof, Rompers, and Leggings.
Claims use since July 1, 1942.

Ser. No. 567,521. Korell Company, New York and Mechanicville, N. Y. Filed Oct. 23, 1948.

++PLUS++ korell

The word "Plus" is disclaimed. Applicant claims ownership of Registration No. 413,355.
For Ladies' and Misses' Dresses and Suits.
Claims use since Feb. 10, 1944.

Ser. No. 568,577. Carr, Dolan & Hahn, Inc., Minneapolis, Minn. Filed Nov. 12, 1948. (Sec. 2f.)

CARR'S

For Men's Suits, Topcoats, Overcoats, Stormcoats, Sportcoats, Slacks, and Full Dress Suits.
Claims use since Aug. 31, 1934.

Ser. No. 568,818. Wellco Shoe Corporation, Waynesville, N. C. Filed Nov. 15, 1948.

Dear-Me

For Shoes, Boots, Sandals, Slippers.
Claims use since June 1948.

Ser. No. 576,342. The Frank H. Lee Company, Danbury, Conn., and elsewhere. Filed Mar. 30, 1949. (Sec. 2f as to "Lee.")

"Lee Original"
Outdoorsman

The term "Original" is disclaimed. Applicant claims ownership of Registrations Nos. 274,050, 321,027, 321,346, 337,786, 360,303, 372,299, and 387,477.
For Men's Hats.
Claims use since Feb. 17, 1949, as shown; and since January 1903 as to "Lee."

Ser. No. 579,023. The Giffin Manufacturing Company, Inc., Carlisle, Ky. Filed May 18, 1949.

JIM BOY

For Outer Garments—Namely, Juvenile Play Shorts and T-Shirts for Boys.
Claims use since Dec. 15, 1948.

Ser. No. 584,309. Askin Brothers Company, Inc., Baltimore, Md. Filed Sept. 1, 1949.



Applicant claims ownership of Registration No. 295,507.
For Hosiery, Sweaters, Bathing Suits, Leather, Fabric, and Wool Gloves for Men, Women, and Children; and Work Shirts.
Claims use since May 1932.

Ser. No. 589,430. Cohen, Goldman & Co. Inc., New York, N. Y., assignor to House of Worsted-Tex, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Filed Dec. 16, 1949.

The Worsted-tex
TROPI-TEX TWEED

The words "The Worsted" and "Tweed" are disclaimed. Applicant claims ownership of Registrations Nos. 218,057, 256,578, and others.
For Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Pants, Trousers, Overcoats and Topcoats; Also Women's Dresses, Overcoats, Topcoats and Suits Consisting of Outer Coat, Ensemble Consisting of a Dress or Skirt, Small Outer Jacket and a Top Coat, Vest, and Skirt.
Claims use since Nov. 2, 1949.

Ser. No. 591,926. Handmacher-Vogel, Inc., New York, N. Y. Filed Feb. 3, 1950.

Weathervane

Applicant claims ownership of Registration No. 339,318.
For Skirts, Women's Jackets, and Women's Hats.
Claims use since Jan. 19, 1950.

Ser. No. 592,434. Plymouth Manufacturing Company, Boston, Mass. Filed Feb. 14, 1950.

CARRY-LITE

For Men's Rainwear—Namely, Coats and Jackets.
Claims use since June 30, 1949.

Ser. No. 592,566. G. Hastings & Co. Limited, Leicester, England. Filed Feb. 14, 1950.



The word "Brand" is disclaimed. Applicant claims ownership of British Registration No. B663,567, dated Oct. 24, 1947.
For Men's Socks (for Wear).

Ser. No. 593,016. Paul S. Rosenthal, doing business as P. S. Rosenthal Co., New York, N. Y. Filed Feb. 24, 1950.

Playfully Yours

For Children's Overalls, Children's Shirts, Children's Sun Suits, Children's Shorts, and Children's Jackets.
Claims use since Oct. 5, 1949.

Ser. No. 594,705. Fairfield Glove Co., Fairfield, Iowa. Filed Mar. 27, 1950.



The lining is a reproduction of the lining on the specimens.
For Gloves Made of Fabric and Leather.
Claims use since Mar. 1, 1948.

Ser. No. 595,507. Merit Clothing Company, Mayfield, Ky. Filed Apr. 10, 1950.

Kings-Tone

Applicant claims ownership of Registrations Nos. 366,372 and 402,370.
For Men's Suits.
Claims use since Sept. 15, 1949.

Ser. No. 595,870. Cluett, Peabody & Co. Inc., Troy, N. Y. Filed Apr. 18, 1950.

SANFORLAN

Applicant claims ownership of Registrations Nos. 517,426, 351,572, and others.
For Men's, Women's, Boys', and Girls' Trousers, Slacks, Outer Shirts, Jackets, Coats, Suits, Caps, Gloves, Mittens, Bathrobes, Lounging and Smoking Robes, Sport Shirts, Scarfs, and Bathing Suits; Women's and Girls' Skirts and Dresses; Men's and Boys' Neckties; Infants' and Children's Sweaters, Caps, Booties, Leggings, Mittens, Suits, Play Suits, Ski Suits, and Snow Suits.
Claims use since Dec. 30, 1948.

Ser. No. 596,094. Hortex Manufacturing Co., Inc., El Paso, Tex. Filed Apr. 21, 1950.



For Boys' Slacks, Overalls, Overall Union Suits, Jackets, and Dungarees.
Claims use since Mar. 27, 1950, as to the mark shown; and since Oct. 1, 1940, as to "Billy the Kid" and design.

Ser. No. 596,554. Berkshire Knitting Mills, Wyomissing, Pa. Filed Apr. 29, 1950.

Shadow Sole

The word "Sole" is disclaimed. Applicant claims ownership of Registration No. 323,523.
For Women's Hosiery.
Claims use since Mar. 15, 1950.

Ser. No. 596,927. Lakeland Manufacturing Company, Sheboygan, Wis. Filed May 5, 1950.



The words "The Original," "Styled By" and "Jac" are disclaimed. Applicant claims ownership of Registrations Nos. 240,479 and 354,223.
For Men's and Boys' Jackets.
Claims use since October 1949.

Ser. No. 599,661. Arthur Shapiro, Brooklyn, N. Y. Filed June 23, 1950.

Itemaker

For Ladies' Blouses.
Claims use since Sept. 1, 1949.

Ser. No. 600,184. Mutual-Rosenbloom Company, New York, N. Y. Filed July 3, 1950.

TRAVELWISE

For Ladies' and Misses' Dresses, Suits, Coats, Blouses, and Skirts.
Claims use since Mar. 31, 1950.

Ser. No. 600,866. United Mills Corporation, Mount Gilead, N. C. Filed July 18, 1950.



For Brassières.
Claims use since Aug. 1, 1946.

Ser. No. 600,982. I. Schneierson & Sons, Inc., New York, N. Y. Filed July 20, 1950.

Enjoy-Wear

The word "Wear" is disclaimed.
For Ladies' and Children's Slips, of a Textile Fabric.
Claims use since June 12, 1950.

Ser. No. 601,131. Artistic Foundations, Inc., New York, N. Y. Filed July 24, 1950.

PROFILE

For Girdles.
Claims use since June 10, 1950.

Ser. No. 601,520. The Outlet Company, Providence, R. I. Filed July 10, 1950.

Hi-Prep

Applicant claims ownership of Registration No. 278,552.
For Young Men's Clothing—Namely, Suits, Reefers, Overcoats, Topcoats, Raincoats, Dress Shirts, Negligee Shirts, Work Shirts, and Neckties.
Claims use since July 1, 1929.

Ser. No. 602,968. Pilot Full Fashion Mills, Inc., Valdese, N. C., and New York, N. Y. Filed Aug. 30, 1950.

Silken Step

The word "Silken" is disclaimed.
For Men's, Women's and Children's Hosiery.
Claims use since July 25, 1950.

Ser. No. 604,161. Riegel Textile Corporation, New York, N. Y. Filed Sept. 28, 1950.

CRACKER

For Work Gloves Made of Fabric and a Combination of Fabric and Leather.
Claims use since January 1936.

Ser. No. 604,850. J. Katzenberg & Co., Baltimore, Md. Filed Oct. 13, 1950.

Merrygarden

For Cotton Housedresses, Maids', Waitresses', and Nurses' Cotton Uniforms, Cotton Bloomer-Legged Gymnasium Suits and Shorts, Maids' and Waitresses' Cotton Aprons, House Coats, Smocks, and Play Suits, All for Girls and Women.
Claims use since Aug. 15, 1923.

Ser. No. 605,678. Regent Belt Co., Inc., New York, N. Y. Filed Oct. 31, 1950.

REGENT PARK

For Men's, Ladies', and Boys' Belts.
Claims use since July 3, 1950.

Ser. No. 606,113. Artistic Foundations, Inc., New York, N. Y. Filed Nov. 9, 1950.

PROFILE—HI

The word "Hi" is disclaimed.
For Girdles.
Claims use since Oct. 24, 1950.

Ser. No. 606,298. House of Worsted-Tex, Inc., Baltimore, Md., and Philadelphia, Pa. Filed Nov. 13, 1950.

Worsted-tex

The word "Worsted" is disclaimed. Applicant claims ownership of Registrations Nos. 218,057, 256,578, 371,600, 393,266, 439,146, and 441,400.
For Men's and Young Men's Suits, Coats, Vests, Trousers, Topcoats, and Overcoats.
Claims use since Jan. 16, 1926.

Ser. No. 606,328. Royal Crest Mfg. Co., Inc., New York, N. Y. Filed Nov. 13, 1950.

Royal Tot

The word "Tot" is disclaimed. The drawing is lined for red.
For Children's Panties and Bloomers.
Claims use since Feb. 4, 1949.

Ser. No. 606,484. Paragon Hat Company, Chicago, Ill., assignor to Harold Moses, Chicago, Ill. Filed Nov. 16, 1950.



Applicant claims ownership of Registration No. 166,658.
For Men's and Boys' Hats Made of Straw and Felt.
Claims use since April 1915.

Ser. No. 606,517. Emporium World Millinery Co., Chicago, Ill. Filed Nov. 17, 1950.

Clifford Dale

The name "Clifford Dale" is fanciful.
For Ladies' Hats.
Claims use since Nov. 13, 1945.

Ser. No. 606,563. Arthur Murray Enterprises, Inc., New York, N. Y. Filed Nov. 17, 1950.

ARTHUR MURRAY

The mark consists of the name "Arthur Murray," the well-known dance instructor whose consent is of record.
For Neckties for Men and Scarfs for Women, Girls, and Boys.
Claims use since Oct. 26, 1950.

Ser. No. 606,983. Weisman Brothers Lingerie Corp., New York, N. Y. Filed Nov. 17, 1950.

JUMPSLAX
BY
WEISMAN

The surname "Weisman" is disclaimed.
For Combination Blouse and Divided Skirt for Ladies.
Claims use since Oct. 24, 1950.

Ser. No. 607,160. The Cambridge Rubber Company, Cambridge, Mass., and Taneytown, Md. Filed Dec. 1, 1950.

DECKORK

For Soles, for Shoes, and Shoes Made of Leather, Rubber, Fabric and/or Any Combinations Thereof, for Men and Boys.
Claims use since Nov. 14, 1950.

Ser. No. 607,338. Monarch Manufacturing Company, Milwaukee, Wis. Filed Dec. 6, 1950.



Applicant claims ownership of Registration No. 338,871.
For Outerwear for Men, Women, and Children—Namely, Coats, Jackets, and Vests Made of Pelts, Leather, Fur, Fabrics, Synthetic Fabrics, and Waterproofed Materials.
Claims use since Mar. 1, 1931.

Ser. No. 607,354. A. N. Saab Co., Inc., New York, N. Y. Filed Dec. 6, 1950.

Saabtreic

Applicant claims ownership of Registration No. 327,272.
For Ladies' Gowns, Slips, Panties, Half Slips, Chemises, Bedjackets, Negligees, Peignoirs, and Blouses, and Children's Dresses and Undergarments.
Claims use since Sept. 28, 1950.

Ser. No. 607,465. Weiss Shirt Company, Inc., New York, N. Y. Filed Dec. 8, 1950.

JEWEL

Applicant claims ownership of Registration No. 274,371.
For Men's and Boys' Negligee, Dress, and Work Shirts.
Claims use since February 1930.

Ser. No. 607,613. Acclaim Hosiery Mills, Inc., High Point, N. C. Filed Dec. 13, 1950.

Duskette

For Ladies' Hosiery.
Claims use since June 23, 1950.

Ser. No. 608,384. Singer Glove Manufacturing Co., Chicago, Ill. Filed Jan. 4, 1951.

Emalfon

For Workmen's Fabric Gloves.
Claims use since Nov. 22, 1950.

Ser. No. 608,669. Onyx Ladies Underwear Inc., New York, N. Y. Filed Jan. 11, 1951.

Helen Joan

For Nightgowns, Sleeping Pajamas, Slips, and Half Slips for Women.
Claims use since Jan. 2, 1951.

Ser. No. 608,702. Gluvtex Corporation, New York, N. Y. Filed Jan. 12, 1951.

NYLASILK

For Ladies' and Misses' Slips, Bloomers, Panties, Petticoats, Nightgowns and Pajamas, Made of a Combination of Nylon and Pure Silk Fabrics.
Claims use since Aug. 15, 1949.

Ser. No. 608,940. Walter W. Moyer Company, Ephrata, Pa. Filed Jan. 18, 1951.

MOYERKNIT

Applicant claims ownership of Registration No. 541,447.
For Men's, Women's, and Children's Underwear.
Claims use since Dec. 29, 1950.

Ser. No. 609,438. H. W. Epstein Corporation, New York, N. Y. Filed Jan. 31, 1951.

Eplyne

For Ladies' Underwear—Namely, Slips, Gowns, Shortie Gowns, Petticoats, Pajamas, Bed Jackets, Panties, and Ensembles of Gown and Robe.
Claims use since Dec. 1, 1950.

Ser. No. 609,608. Vincent Sperandeo, Brooklyn, N. Y. Filed Feb. 3, 1951.

"GUNMITTS"

For Children's Mittens and Gloves Made of Leather, Fabric, and a Combination Thereof.
Claims use since May 1950.

Ser. No. 610,050. Dutchess Underwear Corporation, New York, N. Y. Filed Feb. 14, 1951.

BEE
BRIEF

The word "Brief" is disclaimed. Applicant claims ownership of Registration No. 542,795.
For Ladies' Wearing Apparel—Namely, Underwear, Nightgowns, Slips, Petticoats, Pajamas, Bloomers, Vests, Panties, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-ins in Combination, and Brassières.
Claims use since Apr. 15, 1949.

Ser. No. 610,712. Peter Pan Foundations, Inc., New York, N. Y. Filed Mar. 1, 1951.

TRIPL-TREASURE

For Brassières.
Claims use since Dec. 11, 1950.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 599,000. The Cyril Johnson Woolen Company, Stafford Springs, Conn. Filed June 13, 1950.

TIVOLAINE

Applicant claims ownership of Registration No. 501,665.
For Piece Goods Made of Wool and Synthetic Fibres.
Claims use since June 8, 1950.

Ser. No. 604,831. Artloom Carpet Co., Inc., Philadelphia, Pa. Filed Oct. 13, 1950.

GRANADA

For Textile Carpets and Rugs.
Claims use since Oct. 1, 1924.

Ser. No. 613,651. Rayflex Fabrics, Inc., New York, N. Y. Filed May 8, 1951.

PEEKOFLEX

For Woven Elastic Fabrics in the Piece.
Claims use since Jan. 2, 1951.

Ser. No. 613,656. The Springfield Woolen Mills Company, New York, N. Y., and Nashville, Tenn. Filed May 8, 1951.

NYWOLON

For Textile Fabrics in the Piece of a Wool and Nylon Combination.
Claims use since Jan. 2, 1951.

CLASS 43

THREAD AND YARN

Ser. No. 580,628. Societe a Responsabilite Limitee, Les Laines Stella, Paris, France. Filed June 16, 1949.



The word "Laines" is disclaimed. The picture of the woman is fanciful. Applicant claims ownership of French Registration No. 381,798, dated Nov. 27, 1947.
For Woolen Thread and Yarn.

Ser. No. 586,595. Emanuel Flock, doing business as Lovely Yarn Company, Philadelphia, Pa. Filed Oct. 20, 1949.



The representation of a ball of wool is disclaimed.
For Yarn Composed of Rabbit Hair, Wool, and a Combination of Wool and Rayon.
Claims use since Sept. 1, 1948.

Ser. No. 595,713. Eastyarn, Inc., Brooklyn, N. Y. Filed Apr. 14, 1950.

Dainty Fluff

The word "Fluff" is disclaimed.
For Yarns.
Claims use since Feb. 15, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 603,349. The Seamless Rubber Company, New Haven, Conn. Filed Sept. 14, 1950.

KOLOR-BAND

For Surgeons' Gloves Made of Rubber.
Claims use since May 5, 1950.

Ser. No. 608,977. Sanitary Products Corporation, Taneytown, Md. Filed Jan. 11, 1951.



For Hygienic Vaginal Tampons.
Claims use since Mar. 31, 1949.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 503,148. Dutch Mill Candy Co., Chicago, Ill. Original filed, act of 1905, Aug. 28, 1946; amended to application under act of 1946, Principal Register, Oct. 23, 1950.



Applicant claims ownership of Registrations Nos. 342,876 and 237,437.
For Candies and Ice Cream.
Claims use since January 1927.

Ser. No. 519,191. Grocers Baking Company, Inc., Louisville, Ky. Original filed, act of 1905, Mar. 18, 1947; amended to application under act of 1946, Principal Register, Oct. 30, 1947. (Sec. 2f.)

HONEY-KRUST

Applicant claims ownership of Registrations Nos. 179,161, 259,290, 259,291, and 342,860.
For Bread.
Claims use since Mar. 13, 1916.

Ser. No. 528,505. The Oakford Company, Peoria, Ill. Filed July 12, 1947.

WHITE ROSE

The word "White" is disclaimed.
For Syrup, Composed Principally of Corn and Sugar Syrups, for Use as a Food Supplement.
Claims use since 1890.

Ser. No. 534,838. Tioga Mills, Inc., Waverly, N. Y. Filed Sept. 17, 1947. (Sec. 2f.)

TI-O-GA

Applicant claims ownership of Registrations Nos. 107,111, 348,543, and 391,171.
For Animal Foods—Namely, Hog Feed, Dairy Feed, Rabbit Feed, and Horse Feed.
Claims use since August 1909.

Ser. No. 544,981. Crafton Orange Growers Association, Mentone, Calif. Filed Dec. 20, 1947.

Treasure Chest

Applicant claims ownership of Registration No. 395,936.
For Fresh Citrus Fruits.
Claims use since 1930.

Ser. No. 547,469. Mecca Growers Association, Mecca, Calif. Filed Jan. 19, 1948.

MECCA

Applicant claims ownership of Registrations Nos. 169,748 and 359,429.
For Fresh Grapefruit and Fresh Grapes.
Claims use since May 3, 1922.

Ser. No. 548,047. California Fig Growers & Packers, Inc., also doing business as Rancho de los Padres, Fresno, Calif. Filed Jan. 27, 1948.



The words "Rancho de los Padres" are disclaimed.
For Dried Figs.
Claims use since Oct. 14, 1947.

Ser. No. 549,926. Hamburg Heaven, Inc., New York, N. Y. Filed Feb. 17, 1948.



The words "Hamburg," "Rare," "Medium," "Well Done" and the representation of the hamburger sandwiches are disclaimed. Applicant claims ownership of Registration No. 384,323.
For Hamburger Sandwiches.
Claims use since Feb. 25, 1939.

Ser. No. 550,891. The O. P. Baur Confectionery Company, Denver, Colo. Filed Mar. 1, 1948. (Sec. 2f.)

CRYSTAL CUTS

Applicant claims ownership of Registration No. 387,910.
For Hard Candies.
Claims use since June 1, 1936.

Ser. No. 555,006. Orange Cove Citrus Association, Orange Cove, Calif. Filed Apr. 19, 1948.

O.C

For Fresh Citrus Fruits.
Claims use since 1916.

Ser. No. 567,155. Stadler Packing Co., Inc., Columbus, Ind. Filed Oct. 18, 1948. (Sec. 2f.)

STADLER'S

For Pork and Beef Products—Namely, Bacon, Smoked Cooked Ham, Pure Pork Sausage, Cooked Ham, Chopped Ham and Pork Shoulder Loaf, Pork Shoulder Picnic, Lard, and Ground Beef.
Claims use since Feb. 2, 1929.

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948. (Classified in Class 51.)

Clover Farm

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.
For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia, Norwegian Laxative Salts, Effervescent Alkalising Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hazel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporizing Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.
Claims use since 1882.

Ser. No. 570,183. B. Altman & Co., New York, N. Y. Filed Dec. 8, 1948.



For Candy; Fresh Deciduous Fruits; Dried and Canned Fruits; Cookies; Cakes; Biscuits; Canned Vegetables, Fish, Poultry and Canned Meat as Follows: Ham, Corned Beef, Beef in Gravy, Dried Beef, Beef Stew, Beef and Kidney Stew, Tongue, Hamburgers, and Frankfurters; Sandwich Spreads and Pastes Having as a Base Meats, Chicken, Vegetables, Cheese or Salad Dressing; Pickles; Olives; Relishes—Namely, Sweet, Pickled, and Vegetable Relish; Jellies; Marmalades; Fruit Preserves; Cheese; Culinary Herbs; Spices; Vinegars; Sauces for Meat and Fish; Salad Dressings; Salad Oil—Namely, Vegetable Oil and Olive Oil; Fluid and Dehydrated Soups; Prepared Puddings and Pudding Powders; Diabetic Foods—Namely, Bread, Crackers, Breakfast Food, Ice Cream Mix, Powdered Cocoa, Noodles, Prepared Puddings and Pudding Powders, and Canned Tuna; Cocoa; Coffee; Coffee Substitutes; Tea; Citrus Fruit Juices; Tomato Juice; Tomato Drink for Food Purposes; Ice Cream; Flavoring Mixtures of Fruit and/or Syrup for Making Ice Cream; Food Flavoring Extracts; Table and Cooking Syrup; Mustard; Molasses; Baking Powder; Food Beverage Powders Used in Preparation of Cocoa or Chocolate Milk Drinks; Chocolate Milk Beverages; Milk Powder; Evaporated and Condensed Milk.
Claims use since 1915.

Ser. No. 570,908. Pink Lady Corporation, Edinburg, Tex. Filed Dec. 21, 1948.

Pink Lady

The word "Pink" is disclaimed.
Applicant claims ownership of Registration No. 379,760.
For Texas Citrus Fruit—Namely, Fresh Pink Grapefruit, Fresh Ruby-Red Blush Grapefruit, Fresh White Grapefruit, Fresh Oranges, and Canned Orange and Grapefruit Juices for Food Purposes.
Claims use since Feb. 25, 1940.

Ser. No. 582,966. Jefferson Island Salt Company, Louisville, Ky. Filed Aug. 4, 1949. (Sec. 2f as to "Jefferson Island.")



The term "Choice" is disclaimed. The drawing is lined for the colors red and black. Applicant claims ownership of Registrations Nos. 315,821, 317,936, and 514,093.

For Salt for Animal Consumption.

Claims use since May 31, 1949, on the mark as shown; and since 1929 on the words "Jefferson Island."

Ser. No. 583,185. Pillsbury Mills, Inc., Minneapolis, Minn. Filed Sept. 22, 1949.

LA CHINA POBLANA

For Wheat Flour.
Claims use since 1939.

Ser. No. 583,319. Garrott Candy Company, St. Paul, Minn. Filed Sept. 26, 1949.

first Preference

For Candies.
Claims use since Sept. 6, 1944.

Ser. No. 583,361. Atalanta Trading Corp., New York, N. Y. Filed Sept. 27, 1949.



"Indalecio Fernandez" is the name of an individual whose consent to register is of record. The map of Cuba and the representation of the fish and shellfish and the word "Brand" are disclaimed.

For Frozen Frog Legs and Rock Lobster Meat.
Claims use since July 27, 1948.

Ser. No. 585,501. Antonio Auricchio & Errico Auricchio, Naples, Italy, and New York, N. Y. Filed Sept. 28, 1949.



Applicant claims ownership of Registration No. 206,893.
For Cheese.
Claims use since January 1923.

Ser. No. 586,141. C. F. Cedarholm, Vancouver, Wash. Filed Oct. 12, 1949.

TRAVEL-BURGER

The word "Burger" is disclaimed.
For Hamburger Sandwiches.
Claims use since May 1, 1949.

Ser. No. 589,204. Farm Feed Company, Rock Rapids, Iowa. Filed Dec. 12, 1949.

Mor-Lass

For Cattle, Sheep, and Hog Feeds.
Claims use since Nov. 1, 1946.

Ser. No. 589,618. Maryland Baking Company, Inc., Baltimore, Md. Filed Oct. 12, 1949. (Sec. 2f.)

Flavor-ized

Applicant claims ownership of Registration No. 425,094.
For Ice Cream Cones.
Claims use since Oct. 1, 1935.

Ser. No. 590,170. Ralston D. McCrosky, doing business as Akron Fruit Topping, Akron, Ohio. Filed Dec. 30, 1949.



The drawing is lined for shading.

For Waffle Syrup, Chocolate Syrup for Food Purposes, and Food Flavoring Emulsions, Food Flavoring Extracts, Food Flavoring Syrups, and Food Flavoring Concentrates.

Claims use since Apr. 1, 1946.

Ser. No. 590,634. The Philadelphia Seed Company, Philadelphia, Pa. Filed Dec. 3, 1949. (Sec. 2f.)

PURGRAIN

Applicant claims ownership of Registration No. 266,381.
For Pigeon Feed.
Claims use since Apr. 8, 1916.

Ser. No. 590,916. Ryan Candy Company, Ltd., New York, N. Y. Filed Jan. 14, 1950.

Hopalong Candy

The trade-mark consists of the name "Hopalong Cassidy," a fictional character.

For Candy Bars.
Claims use since Jan. 9, 1950.

Ser. No. 591,637. Anthony R. Pinelli, Chicago, Ill. Filed Jan. 28, 1950.

TONY BOY

For Blended Salad Oil Consisting of Olive Oil, Peanut Oil, and Corn Oil.
Claims use since Jan. 11, 1950.

Ser. No. 593,432. Morning Milk Company, Wellsville, Utah, and Los Angeles, Calif. Filed Mar. 4, 1950.

Morning

Applicant claims ownership of Registration No. 373,728.
For Evaporated Milk.
Claims use since Sept. 7, 1928.

Ser. No. 594,995. Rice Growers Association of California, Sacramento, Calif. Filed Mar. 31, 1950.

RGA

For Rice.
Claims use since Feb. 14, 1934.

Ser. No. 595,121. Choice Foods, Inc., Minneapolis, Minn. Filed Apr. 3, 1950.

KOFFEE-TYME

For Doughnut Mix.
Claims use since Oct. 4, 1949.

Ser. No. 596,475. Berks-Lehigh Cooperative Fruit Growers, Inc., Fleetwood, Pa. Filed Apr. 28, 1950.

RED CHEEK

Applicant claims ownership of Registration No. 386,595.
For Apple Juice as a Food Drink and Deciduous Fresh Fruits.
Claims use since Nov. 4, 1940.

Ser. No. 596,917. Haas, Baruch & Co., Los Angeles, Calif. Filed May 5, 1950.

IRIS

Applicant claims ownership of Registrations Nos. 125,703, 170,491, and others.
For Oleomargarine, Cottonseed Oil for Use in Salads, and Shortening Made of Vegetable Oil.
Claims use since Feb. 20, 1950.

Ser. No. 597,295. Rich Maid Manufacturing Company, Inc., Richmond, Va. Filed May 11, 1950.

GOOD LUCK



For Roasted Coffee.
Claims use since Feb. 27, 1950.

Ser. No. 598,421. Andrew Johnson, Knudtzon Ltd., Hull, England. Filed June 1, 1950. (Sec. 2f.)

JAYKAY

For Kippered Fish in Boxes.
Claims use since Sept. 31, 1935; and was first used in commerce between the United States and the United Kingdom of Great Britain and Northern Ireland since Sept. 31, 1935.

Ser. No. 598,569. Barnes Bros., Medford, Oreg. Filed June 5, 1950.



The representation of the pear is disclaimed.
For Fresh Pears.
Claims use since Apr. 15, 1950.

Ser. No. 599,822. Fischer Baking Company, Newark, N. J. Filed June 27, 1950.



The representation of the goods is disclaimed. The picture is fanciful.
For Bread.
Claims use since Nov. 21, 1949.

Ser. No. 603,341. A. E. Staley Manufacturing Company, Decatur, Ill. Filed Sept. 7, 1950.

Sta-Mino

For Hydrolysed Plant Protein Used as an Ingredient in Food Compositions.
Claims use since May 12, 1950.

Ser. No. 604,040. Snookies Inc., Milwaukee, Wis. Filed Sept. 26, 1950.

SNOOKIES

For Cookies.
Claims use since Sept. 8, 1950.

Ser. No. 604,148. Eru-Kaasfabriek N. V., Woerden, Netherlands. Filed Sept. 28, 1950.

JULIANA Brand

The word "Brand" is disclaimed.
For Cheese.
Claims use since Sept. 27, 1949; and first used in commerce between the Netherlands and the United States on Sept. 27, 1949.

Ser. No. 604,639. Celia C. Hurtubise, doing business as Air Borne Lobsters, Portland, Maine. Filed Oct. 9, 1950.



For Live Lobsters.
Claims use since Sept. 15, 1947.

Ser. No. 608,152. Folson-Kennelly, St. Thomas, N. Dak. Filed Dec. 28, 1950.

CRAZY HORSE

For Potatoes in Their Natural State.
Claims use since Aug. 1, 1950.

Ser. No. 608,278. Joe Lowe Corporation, New York, N. Y. Filed Jan. 2, 1951.

CHOCSIE

Applicant claims ownership of Registrations Nos. 301,067, 302,259, and 529,932.
For Frosen Confections On-a-Stick and a Chocolate Flavoring Powder for Use in Making the Same.
Claims use since July 31, 1950.

Ser. No. 608,502. Lady Ann Food Products, Chicago, Ill. Filed Jan. 8, 1951.

LADY ANN

For Potato Salad and Coleslaw.
Claims use since Mar. 1, 1938.

Ser. No. 608,522. Tobin Packing Co., Inc., Rochester, N. Y., and Fort Dodge, Iowa. Filed Jan. 8, 1951.

PULLMANETTE

For Cooked Ham.
Claims use since Nov. 22, 1950.

Ser. No. 609,464. E. G. Whitman & Co., Inc., Philadelphia, Pa. Filed Jan. 10, 1951.

SNOW DROP

For Candy.
Claims use since December 1925.

Ser. No. 609,646. Graves Brothers Co., Wabasso, Fla. Filed Feb. 5, 1951. (Sec. 2f.)

WABASSO

For Fresh Citrus Fruits.
Claims use since 1938.

Ser. No. 609,967. Derby Foods, Inc., Chicago, Ill. Filed Feb. 12, 1951.

DARB

For Canned Luncheon Meat.
Claims use since December 1940.

Ser. No. 610,294. Nehi Corporation, Columbus, Ga. Filed Feb. 19, 1951.

NEHI

Applicant claims ownership of Registration No. 207,317.
For Chocolate Flavored Milk Drink and Concentrates for Making the Same.
Claims use since Oct. 16, 1924.

Ser. No. 610,501. Salinas Valley Vegetable Exchange, Salinas, Calif. Filed Feb. 24, 1951.

SALVEX

For Fresh Lettuce.
Claims use since Jan. 3, 1951.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 604,954. Butler Manufacturing Company, Kansas City, Mo. Filed Oct. 16, 1950. (Sec. 2f as to "Butler.")



For Hog Feeders and Hog Watering Fountains.
Claims use since Sept. 29, 1950, as shown; since May 1911, as to "Butler"; and since May 9, 1950, as to "Big Ham."

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948.

CLOVER FARM

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.
For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia, Norwegian Laxative Salts, Effervescent Alkalizing Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hasel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporising Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.
Claims use since 1882.

Ser. No. 602,078. Aktiebolaget Hässle, Apotekare Paul Nordströms Fabriker, Hasselholm, Sweden. Filed Aug. 11, 1950.

Eresco

Applicant claims ownership of Swedish Registration No. 62,987, dated May 23, 1947.
For Cosmetic Preparations and Toilet Preparations—Namely, Perfumes, Eau-de-Cologne, Shaving Lotions, Shaving Pastes, Hair Lotions, Hair Oils, Hair Dyes, Brilliantine, Permanent Wave Liquids and Oils, Hair Gloss Oils, Toilet Washes, Mouthwashes, Toothpastes, Face Lotions, Face Powders, Lipsticks, Face Paints, Dyes for the Eyebrows and Eyelashes, Nail Polishes, Nail Polish Removers, and Bath Salts.

CLASS 52

DETERGENTS AND SOAPS

Ser. No. 551,407. Sears, Roebuck and Co., Chicago, Ill. Filed Mar. 6, 1948.

FARM MASTER

The representation of the man is fanciful.
For Synthetic Detergents in Powder and Liquid Forms for Cleansing Milking Equipment and Dairy Utensils, Leather Preservatives—Namely, Harness Oil and Neat's-Foot Oil.
Claims use since Jan. 15, 1945.

Ser. No. 568,277. The Pure Oil Company, Chicago, Ill. Filed Nov. 5, 1948. (Classified in Class 4.) (Sec. 2f.)

PURE

Applicant claims ownership of Registrations Nos. 343,233 and 349,765.
For Paints (Black and White for Tires); Combination Automobile Cleaner and Polish; and Automobile Cleaner and Wax for Protective Coating.
Claims use since May 14, 1938.

Ser. No. 568,350. Clover Farm Stores Corporation, Cleveland, Ohio. Filed Nov. 8, 1948. (Classified in Class 51.)

CLOVER FARM

Applicant claims ownership of Registrations Nos. 264,868 and 316,543.
For Dental Cream, Mouth Wash, Laxative Tablets, Children's Laxative Syrup, Castor Oil, Milk of Magnesia,

Norwegian Laxative Salts, Effervescent Alkalising Salts, Cascara Compound Tablets, Medicinal Mineral Oil, Elixir Cod Liver Oil, Cod Liver Oil, Wine of Beef and Iron, Wild Cherry Compound, White Pine Compound, Liquid Food Colorings, Borax, Boric Acid, Aspirin, Powdered Alum, Bicarbonate of Soda, Epsom Salts, Sulphur, Sulphur Flowers, Senna Leaves, Saffron, Witch Hazel, Glycerine, Sweet Oil, Spirits of Nitre, Petroleum Jelly, Vaporizing Ointment, Family Liniment, Rubbing Alcohol Compound, Bay Rum, Petrolatum, Spirits of Camphor, Camphorated Oil, Peroxide, Turpentine for Medicinal Purposes, Bluing, Ammonia, Bleach Water, Gloss Starch, Fly Spray, Drain Pipe Solvent, Lye, and Sal Soda.
Claims use since 1882.

Ser. No. 575,678. The Martin Dennis Company, Newark, N. J., assignor to Diamond Alkali Company, Cleveland, Ohio, a corporation of Delaware. Filed May 12, 1949.

G. A. 50

For Glove Shampoo.
Claims use since January 1947.

Ser. No. 585,670. Nopco Chemical Company, Harrison, N. J. Filed Oct. 1, 1949.

NOPCO 99

Applicant claims ownership of Registration No. 406,356.
For Detergent Compositions for General Industrial Use and Particularly in the Laundry, Textile and Metal Working Industries.
Claims use since April 1938.

Ser. No. 596,714. U. S. Detergents Co. Inc., New York, N. Y. Filed Oct. 22, 1949.

RUSTJEL

For Gel Compositions Containing Rust Stain Removers.
Claims use since Mar. 10, 1947.

Ser. No. 590,944. Wylie R. Powell, doing business as Fenole Chemical Company, Jacksonville, Fla. Filed Jan. 16, 1950.

FENCO ALBRITE

Applicant claims ownership of Registrations Nos. 225,132 and 230,121.
For Soapy Liquid Cleaner for Cleaning Floors, Woodwork, Automobiles, Carpets, Rugs, Mirrors, and Cut Glass.
Claims use since 1925.

Ser. No. 592,734. R. H. Macy & Co., Inc., New York, N. Y. Filed Jan. 9, 1950.

ESSEX

For Toilet Soap.
Claims use since January 1919.

Ser. No. 595,255. Fuld Bros., Inc., Baltimore, Md. Filed Apr. 5, 1950.

JUST

For Detergent Compositions Having Disinfecting Properties, for Floors, Walls, Furniture, Woodwork, Glassware, Plumbing Fixtures, Kitchen Utensils, Vehicles, Fabrics, China Ware, Machinery, Instruments, and General Cleaning Purposes.
Claims use since Mar. 20, 1950.

Ser. No. 596,266. Commercial Solvents Corporation, New York, N. Y. Filed Apr. 25, 1950.

NOR'WAY

Applicant claims ownership of Registration No. 396,257.
For Windshield Washer Fluid.
Claims use since Nov. 15, 1949.

SERVICE MARKS

CLASS 100
MISCELLANEOUS

Ser. No. 543,543. Toy Manufacturers of the U. S. A., Inc., New York, N. Y. Filed Dec. 5, 1947. (Sec. 2f.)



The word "Toys" is disclaimed. Applicant claims ownership of Registrations Nos. 390,597 and 394,147.
For Furnishing Trade Information and Promotional Ideas to Its Members; Promoting a Friendly and Enlarged Intercourse Between Merchants Generally, Advancing and Promoting the Use of Toy Products by Means of Publicity, Advertisement and Exchange of Ideas on Questions Pertaining to Manufacturing Problems and Similar Activities.
Claims use since Dec. 1, 1916.

Ser. No. 557,404. The United States Junior Chamber of Commerce, St. Louis, Mo., and Tulsa, Okla. Filed May 19, 1948.



The representation of the map of the United States and the letters "US" are disclaimed.
For Stimulating and Maintaining Interest in Public Affairs, Citizenship and Civic and Community Activities Among Its Members and for Assisting Its Members and Its Affiliated Local Groups in Their Activities in Organizing and Holding Meetings and Competitions and Other Special Events for Business People and the Public for Improving Communities and Promoting Industrial and Business Progress and a Spirit of Civic Pride and Cooperation Among Its Members and the Public.
Claims use since July 1, 1947.

Ser. No. 560,791. Baby Laundry, Inc., East Hartford, Conn. Filed July 7, 1948.



The expression "Baby Laundry Inc." is disclaimed.
For Baby Diaper Supply and Laundry Service.
Claims use since Oct. 22, 1947.

Ser. No. 594,236. Tau Beta Pi Association, Knoxville, Tenn. Filed Mar. 18, 1950. COLLECTIVE MARK.



For Stimulating and Maintaining Interest in Good Scholarship, Civic and Community Activities Among Engineering Students.
Claims use since June 15, 1885.

Ser. No. 599,121. S & S Cafeteria of Columbus, Inc., Macon, Ga. Filed June 14, 1950.

S & S

For Serving Foods and Beverages in Cafeterias.
Claims use since Dec. 16, 1936.

Ser. No. 604,186. Best & Co. Inc., New York, N. Y. Filed Sept. 29, 1950.

Gamine

For Beauty Shop Services—Namely, Permanent Waving and the Cutting and Setting of Hair.
Claims use since Mar. 21, 1946.

CLASS 101
ADVERTISING AND BUSINESS

Ser. No. 592,448. Marvin I. Thompson, Knoxville, Tenn. Filed Feb. 14, 1950.

"TEL-ADDITION"

For Advertising the Goods and Services of Others Through the Medium of a Radio Program Which Is in the Nature of a Give-Away Show.
Claims use since Dec. 28, 1949.

Ser. No. 593,470. Bertram H. Claster, Baltimore, Md. Filed Mar. 6, 1950.

The CANDY CORNER

For Advertising the Goods and Services of Sponsors Through the Medium of a Television Program.
Claims use since Dec. 28, 1949.

CLASS 102
INSURANCE AND FINANCIAL

Ser. No. 554,964. Equitable Savings and Loan Association, Portland, Oreg. Filed Apr. 19, 1948. (Sec. 2f.)

Equitable

For the Processing and Handling of Deposits and Withdrawals in Savings Accounts, and Mortgage Financing.
Claims use since Mar. 10, 1899.

Ser. No. 574,974. Northwestern Mutual Fire Association, Seattle, Wash. Filed Mar. 3, 1949.



For Underwriting of Fire, Extended Coverage, Windstorm (Including Hail), Riot and Civil Commotion, Explosion, Sprinkler Leakage, Earthquake, Inland Marine, Automobile, Aircraft and Motor Vehicle Property Damage, Vandalism and Malicious Mischief Insurance.
Claims use since January 1937.

Ser. No. 605,392. Allstate Insurance Company, Chicago, Ill. Filed Oct. 25, 1950.

ECONO-RATE

The word "Rate" is disclaimed.
For Arranging for the Financing of Automobiles Through Banks, and in the Underwriting of Automobile Insurance.
Claims use since October 1945.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 598,598. Phillips Petroleum Company, Bartlesville, Okla. Filed June 5, 1950.

PHILCHECK

For Services Rendered to Automobiles, Trucks and Other Automotive Vehicles at Applicant's Automotive Service Stations—Namely, Lubrication, Washing, Polishing, Battery Charging, Tire Repairing and Changing, Air Cleaner Maintenance and Repair, Spark Plug Inspection and Cleaning.
Claims use since October 1941.

CLASS 105

TRANSPORTATION AND STORAGE

Ser. No. 587,784. Resort Airlines, Inc., Pinehurst, N. C. Filed May 19, 1950.

Suncruise

For Planning and Personally Conducting Tours by Airplane but Including the Use of Other Vehicles.
Claims use since Nov. 15, 1949.

Ser. No. 604,397. Sita-Adventure Trails Inc., New York, N. Y. Filed Oct. 3, 1950.

The Tarasten Tour

The mark consists of the words "The Tarasten Tour." The word "Tour" is disclaimed.
For Conducting Escorted Travel Tours.
Claims use since Nov. 1, 1949.

CLASS 106

MATERIAL TREATMENT

Ser. No. 529,341. Arvey Corporation, Chicago, Ill. Filed July 24, 1947. (Sec. 2f.)

ARVEY

Applicant claims ownership of Registration No. 197,754.
For Mounting and Finishing Lithographed Advertising Displays and Laminating or Affixing to a Paper or Textile Base a Plastic Film.
Claims use since Jan. 1, 1914.

Ser. No. 560,004. The Elko Photo Products Co., Kansas City, Mo. Filed June 23, 1948.

Elko

For Developing Film and Printing of Pictures From the Film.
Claims use since March 1921.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 585,895. 101 Ranch Boys, Inc., York, Pa. Filed Sept. 20, 1949.

101 RANCH BOYS

For Entertainment Service Rendered by a Vocal and Instrumental Group Through the Medium of Radio Programs, Personal Appearances, and Phonograph Recordings.
Claims use since 1932.

Ser. No. 595,896. Ward W. Kimball, San Gabriel, Calif. Filed Apr. 18, 1950.

FIREHOUSE FIVE PLUS TWO

For Entertainment Services in the Nature of a Jazz Band.
Claims use since May 13, 1949.

Ser. No. 602,344. Southern Radio and Television Equipment Company, doing business as television station WTVJ, Miami, Fla. Filed Aug. 17, 1950.

Quick On the Draw

For Entertainment Service Through the Medium of a Television Program Consisting of a Charades Contest.
Claims use since Mar. 24, 1949.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,583. Auxiliary Window Frames, Storm Sash, and Window Screens. Slide-O-Vent Products Company, also known as Slide-O-Vent Products Co., Philadelphia, Pa.
Filed Oct. 28, 1944, Serial No. 475,818. Published July 24, 1951. Class 12.

444,584. Ethyl Chloride, Use of Which Is for Anesthesia, in Containers Fitted With Caps and Nozzles Adapted To Dispense Such Liquid Under Pressure. Spra-Pak, Inc., Cleveland, Ohio, assignor to The Spray Pack Products Company, Cleveland, Ohio, a corporation of Ohio.
Filed Mar. 31, 1945, Serial No. 481,589. Published July 31, 1951. Class 18.

444,585. Children's Puzzles, Games Including Tiddlywinks, Etc. Playtime House, Rochester, N. Y.
Filed June 4, 1946, Serial No. 503,264. Published July 24, 1951. Class 22.

444,586. Mothproofing and Moth Repellent Agents for Industrial Use and Household Use. Geigy Company, Inc., New York, N. Y.
Filed July 2, 1946, Serial No. 504,971. Published Mar. 18, 1947. Class 6.

444,587. Electrical Hair-Removing Machine. Leonard Baer, doing business as Epilationmaster Manufacturing Company, Newark, N. J.
Filed Aug. 7, 1946, Serial No. 506,979. Published Oct. 18, 1949. Class 44.

444,588. Maternity Garments—Namely, Dresses, Etc. Olda V. Klein, Washington, D. C.
Filed Apr. 3, 1947, Serial No. 520,105. Published July 3, 1951. Class 39.

444,589. Ready Mixed Oil Paint, Varnish, and Enamel. Davis Paint Co., Kansas City, Mo.
Filed Apr. 30, 1947, Serial No. 521,565. Published July 31, 1951. Class 16.

444,590. Men's and Boys' Jackets and Coats Containing Warmth-Contributing Linings Made in Substantial Part of Wool. W. Shanhouse Sons, Inc., Rockford, Ill.
Filed June 27, 1947, Serial No. 525,034. Published July 24, 1951. Class 39.

ACT OF 1946, PRINCIPAL REGISTER

549,735. Fishing Reels. Hurd Lock & Manufacturing Company, Detroit, Mich.
Original filed, act of 1905, June 8, 1946; amended to application under act of 1946, Principal Register, Nov. 19, 1947, Serial No. 503,518. Published July 3, 1951. Class 22.

549,736. Ice Cream, Candy, and Health Fruit Bars Consisting of Natural Dried Fruits, Cocoanut, and Honey. Abdallah Incorporated, Minneapolis, Minn., assignee of Albert Abdallah, Sr.
Original filed, act of 1905, July 22, 1946; amended to application under act of 1946, Principal Register, Aug. 9, 1948, Serial No. 505,998. Published July 31, 1951. Class 46.

549,737. Machinery for Conveying, Stacking, Patching, Gluing, Cutting, Trimming, Pressing, and Assembling Lumber, Veneer, and Composite Sheet Products Formed of the Same. Per F. Skoog, doing business as Skoog Engineering Company, Olympia, Wash.
Original filed, act of 1905, Sept. 3, 1946; amended to application under act of 1946, Principal Register, Mar. 15, 1948, Serial No. 508,446. Published June 26, 1951. Class 23.

549,738. Coats, Blouses, Vests, Trousers, Breeches, Hats and Caps for Men, Women, and Children, for Wear by Hunters, Fishermen, and Tourists. The Drybak Corporation, Binghamton, N. Y.
Original filed, act of 1905, Sept. 27, 1946; amended to application under act of 1946, Principal Register, May 19, 1948, Serial No. 509,830. Published June 26, 1951. Class 39.

549,739. Coats, Blouses, Vests, Trousers, Breeches, Hats and Caps for Men, Women, and Children, for Wear by Hunters, Fishermen, and Tourists. The Drybak Corporation, Binghamton, N. Y.
Original filed, act of 1905, Sept. 27, 1946; amended to application under act of 1946, Principal Register, May 19, 1948, Serial No. 509,831. Published June 26, 1951. Class 39.

549,740. Canned Evaporated Milk. The United Dairy Company, Barnesville, Ohio.
Original filed, act of 1905, Feb. 25, 1947; amended to application under act of 1946, Principal Register, Jan. 6, 1948, Serial No. 518,114. Published July 31, 1951. Class 46.

549,741. Liquid Soap. Higley Chemical Company, Dubuque, Iowa.
Original filed, act of 1905, Apr. 2, 1947; amended to application under act of 1946, Principal Register, Dec. 4, 1948, Serial No. 520,034. Published Feb. 28, 1950. Class 52.

549,742. Magazine Published Weekly Relating to Industry. McGraw-Hill Publishing Company, Inc., New York, N. Y.
Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Principal Register, Oct. 27, 1949, Serial No. 525,637. Published July 17, 1951. Class 38.

549,743. Furnace Flue Gas Baffle. Holland Furnace Company, Holland, Mich.
Filed July 19, 1947, Serial No. 528,929. Published July 17, 1951. Class 34.

549,744. Mixed and Paste Paint. James B. Sipe and Company, Pittsburgh, Pa.
Filed July 31, 1947, Serial No. 530,122. Published Aug. 10, 1948. Class 16.

549,745. Perfume, Toilet Water, Cologne, Lipstick, Rouge, Face Powder. Lancome, S. A., Paris, France.
Priority under Sec. 44(d). French Registration No. 340,407, filed June 16, 1942.
Filed Aug. 5, 1947, Serial No. 530,525. Published July 24, 1951. Class 51.

549,746. Control System for Controlling the Flow of Process Steam to and From a Plurality of Steam-Using Units, Said System Comprising Orifice Units, a Jacketed Tank Carrying a Pressure Gauge, a Water Gauge, a Liquid Level Control, and Valve Means Controlling Flow of Water From Said Jacketed Tank, Said System Being Sold as a Unit. Fred H. Schaub Engineering Co., Inc., Chicago, Ill.
Filed Sept. 2, 1947, Serial No. 533,057. Published July 31, 1951. Class 34.

549,747. Men's Outer Shirts. C. F. Hathaway Co., Waterville, Maine.
Filed Sept. 9, 1947, Serial No. 533,889. Published July 3, 1951. Class 39.

549,748. Belt Cement. Holyoke Belting Company, Holyoke, Mass.
Filed Sept. 12, 1947, Serial No. 534,285. Published Feb. 13, 1951. Class 5.

549,749. Packaged Food Products, To Wit: Vegetables—Namely, Canned Chick Peas, Etc. John J. Pieri, executor of the estate of Joseph G. Pieri, deceased, doing business as J. G. Pieri Company, Buffalo, N. Y.
Filed Sept. 29, 1947, Serial No. 536,130. CONCURRENT USE. Published July 31, 1951. Class 46.

549,750. Men's Suits, Topcoats, and Overcoats. Society Brand Clothes, Inc., Chicago, Ill.
Filed Oct. 9, 1947, Serial No. 537,368. Published July 17, 1951. Class 39.

549,751. Fishing Reels. Hurd Lock & Manufacturing Company, Detroit, Mich.
Filed Nov. 10, 1947, Serial No. 540,674. Published July 3, 1951. Class 22.

549,752. Gas, Oil, or Coke-Fired Metallurgical Furnaces for the Melting and Conditioning of Metals. Wenzeslaw Frank Sklenar, Berwyn, Ill.
Filed Dec. 17, 1947, Serial No. 544,625. Published July 17, 1951. Class 34.

549,753. Canned Vegetables—Namely, Kidney Beans, Lima Beans, Etc. Donahoe's Incorporated, Pittsburgh, Pa.
Filed Dec. 30, 1947, Serial No. 545,727. Published July 31, 1951. Class 46.

549,754. Suits, Sun Suits, Coats, Overalls, Overall Sets Including Jacket and Overalls, and Outer Shorts for Misses, Etc. J. Markowitz & Son, Inc., New York, N. Y.
Filed Jan. 3, 1948, Serial No. 546,110. Published July 24, 1951. Class 39.

549,755. Women's Shoes. Federated Department Stores, Inc., doing business as John Shillito Company Division, Cincinnati, Ohio, assignee, by mesne assignments, from The John Shillito Company.
Filed Jan. 3, 1948, Serial No. 546,131. Published July 17, 1951. Class 39.

549,756. Internal-Combustion-Engine-Powered Outboard Motors and Parts. Outboard, Marine and Manufacturing Company, Waukegan, Ill.
Filed Jan. 7, 1948, Serial No. 546,418. Published July 17, 1951. Class 23.

549,757. Automobile Paint in Liquid Form. The Arco Company, Cleveland, Ohio.
Filed Jan. 12, 1948, Serial No. 546,749. Published July 17, 1951. Class 16.

549,758. Cold Rolled and Drawn Steel Wire, Oil Hardened and Tempered Steel Wire, Metal Coated Steel Wire, and Alloy Steel Wire. Johnson Steel & Wire Company, Inc., Worcester, Mass.
Filed Aug. 15, 1947, Serial No. 546,910. Published Apr. 25, 1950. Class 14.

549,759. Game Similar to Tit-Tat-To, Using Playing Pieces and Transparent Superposed Playing Surfaces. The Gangler-Gentry Company, Catonsville, Md.
Filed Jan. 19, 1948, Serial No. 547,440. Published July 3, 1951. Class 22.

549,760. Leather Belting and Leather Machinery Packing. Page Belting Company, Concord, N. H.
Filed Jan. 21, 1948, Serial No. 547,652. Published Apr. 26, 1949. Class 35.

549,761. Blower Type Grain Mover. Link Manufacturing Company, Inc., Fargo, N. Dak.
Filed Jan. 29, 1948, Serial No. 548,270. Published July 3, 1951. Class 23.

549,762. Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches. Hart Schaffner & Marx, Chicago, Ill.
Filed Feb. 2, 1948, Serial No. 548,590. Published Sept. 26, 1950. Class 39.

549,763. Dried Fruits—Namely, Dates, Currants, Figs, and Raisins; Nut Meats; Mixed Fruits Processed in Syrup; Candy; Orange, Lemon, and Citron Peels; Stuffed Dates. Pandaleon Brothers, Inc., Chicago, Ill.
Filed Mar. 3, 1948, Serial No. 551,134. Published July 31, 1951. Class 46.

549,764. Electric Food Mixer. Chicago Electric Manufacturing Company, Chicago, Ill.
Filed Mar. 9, 1948, Serial No. 551,530. Published July 24, 1951. Class 21.

549,765. Wheat Flour. Flour Mills of America, Inc., doing business as Valier & Spies Milling Company, Kansas City and St. Louis, Mo.
Filed Mar. 12, 1948, Serial No. 552,551. Published June 12, 1951. Class 46.

549,766. Electric Garbage Disposal Units Attachable to Plumbing Systems. Given Manufacturing Company, Los Angeles, Calif.
Filed Mar. 22, 1948, Serial No. 552,649. Published Dec. 6, 1949. Class 21.

549,767. Enamel Paint. Alston-Lucas Paint Co., Lyons, Ill., assignor to The Eagle-Picher Company, Cincinnati, Ohio, a corporation of Ohio.
Filed Mar. 23, 1948, Serial No. 552,729. Published July 1, 1951. Class 16.

549,768. Bath and Toilet Soap. Armour and Company, Chicago, Ill.
Filed Mar. 23, 1948, Serial No. 552,739. Published Aug. 24, 1948. Class 52.

549,769. Floor, Furniture, and Automobile Polishing Wax. The Cussins and Fearn Company, Columbus, Ohio.
Filed Mar. 27, 1948, Serial No. 553,177. Published July 31, 1951. Class 4.

549,770. Auger Bits, Star Drills, Punches, Lineman's Wire Grips, Etc. Red Devil Tools, Irvington, N. J.
Filed Apr. 8, 1948, Serial No. 554,155. Published June 26, 1951. Class 23.

549,771. Lathes. Seneca Falls Machine Company, Seneca Falls, N. Y.
Filed Apr. 9, 1948, Serial No. 554,263. Published July 10, 1951. Class 23.

549,772. Preparation for Use in Making Whitewash for Cellars, Fences, Henhouses, Garages, and General Use. Richard H. Catlett, Richmond, Va.
Filed Apr. 13, 1948, Serial No. 554,474. Published July 31, 1951. Class 16.

549,773. Miter Boxes. The Patentry Company, Inc., Jamaica, N. Y.
Filed Apr. 20, 1948, Serial No. 555,071. Published July 10, 1951. Class 23.

549,774. Paints (Ready-Mixed and Paste), Varnishes, Paint Enamels, Paint Primers; Reducer for Paints, Varnishes, and Enamels; Thinners for Paints, Varnishes, and Enamels; Undercoaters in Nature of Paints, Varnishes, or Enamels; and Liquid Paint and Enamel Colors. The Martin-Senour Company, Chicago, Ill.
Filed Apr. 22, 1948, Serial No. 555,282. Published July 31, 1951. Class 16.

549,775. Bathing, Beach, and Shower Caps and Baby Pants, All Made of Rubber. International Latex Corporation, Dover, Del.
Filed Sept. 24, 1948, Serial No. 558,034. Published July 10, 1951. Class 39.

549,776. Linoleum Floor Coverings Sold in Sheet or Roll Form. The Paraffine Companies, Inc., San Francisco, Calif., now by change of name Pabco Products Inc., a corporation of Delaware.
Filed May 28, 1948, Serial No. 558,061. Published May 15, 1951. Class 20.

549,777. Thread. Louis H. Tallmadge, doing business as Louis H. Tallmadge Company, Providence, R. I.
Filed June 3, 1948, Serial No. 558,423. Published July 31, 1951. Class 43.

549,778. Accordions. Colombo & Sons, San Francisco, Calif.
Filed June 8, 1948, Serial No. 558,700. Published July 24, 1951. Class 36.

549,779. Ladies' and Children's Hats. Consolidated Millinery Company, Chicago, Ill.
Filed June 8, 1948, Serial No. 558,702. Published July 17, 1951. Class 39.

549,780. Pork Rind Fish Bait. Luts Pork Bait Co., Kansas City, Mo.
Filed Aug. 2, 1948, Serial No. 562,650. Published July 3, 1951. Class 22.

549,781. Men's Outer Shirts. The Mister Short Company, Chicago, Ill.
Filed Aug. 7, 1948, Serial No. 563,002. Published July 3, 1951. Class 39.

549,782. Sheets of Composite Fabrics Composed of Glass Fibre Webs Impregnated With Resinous Plastic Substances and Sold by It To Be Used by Others for Purposes Such as Lamp Shades, Paneling Decorative Screens, Display Purposes and Other Uses in Industrial Arts. Polyplastex United, Inc., Elmhurst, N. Y.
Filed Aug. 11, 1948, Serial No. 563,214. Published July 17, 1951. Class 1.

549,783. Dairy and Like Products—Namely, Fluid Milk, Fluid Cream, Fluid Buttermilk, Butter, Cottage Cheese, Ice Cream, Fluid Homogenized Milk, Fluid Chocolate Milk, Fluid Whipping Cream, Fluid Skim Milk, and Fluid Nursery Milk. The Polk Sanitary Milk Company, Indianapolis, Ind.
Filed Aug. 17, 1948, Serial No. 563,630. Published July 24, 1951. Class 46.

549,784. Lightweight Reciprocating Metal Parts — Namely, Pistons, Piston Rods, Cross-Heads, and Main Rods for Steam Locomotives, Crank Pin Assemblies for Main and Side Rods for Steam Locomotives. The Timken Roller Bearing Company, Canton, Ohio.
Filed Aug. 21, 1948, Serial No. 563,829. Published July 17, 1951. Class 23.

549,785. Glass Refrigerator Jugs Having Plastic Caps. Herbert K. Asquith, doing business as "The Haskey Company," Chicago, Ill.
Filed Sept. 3, 1948, Serial No. 564,595. Published July 17, 1951. Class 33.

549,786. Women's, Misses', and Children's Hats. The J. Leschin Stores Corporation, New York, N. Y.
Filed Sept. 9, 1948, Serial No. 564,884. Published July 24, 1951. Class 39.

549,787. Baby Bibs. J and E Manufacturing Company, Jackson Center, Ohio.
Filed Oct. 1, 1948, Serial No. 566,233. Published July 24, 1951. Class 39.

549,788. Under Shorts. The Mister Short Company, Chicago, Ill.
Filed Aug. 7, 1948, Serial No. 566,414. Published July 10, 1951. Class 39.

549,789. Work Gloves of Leather and of Leather and Fabric. Wells Lamont Corporation, Chicago, Ill.
Filed Nov. 3, 1948, Serial No. 568,138. Published July 24, 1951. Class 39.

549,790. Rubber Belting, Hose, Packing, Rubber Shock Insulators, and Industrial Rubber Articles Custom Molded to Customers' Specifications. Hewitt-Robins Incorporated, Buffalo, N. Y.
Filed Nov. 13, 1948, Serial No. 568,733. Published July 24, 1951. Class 35.

549,791. Babies' Toys—Namely, a Bar Which May Be Mounted Transversely of a Baby's Crib and Which Is Provided With Attachments for Manipulation by the Hands of a Baby Lying in the Crib. Hoover Products, Inc., Youngstown, Ohio.
Filed Nov. 17, 1948, Serial No. 568,948. Published July 18, 1950. Class 22.

549,792. Purse Size Perfume Containers and Dispensers, All Made in Whole or in Part of Precious Metals or Plated With the Same. Grand Products Company, Chicago, Ill.
Filed Dec. 22, 1948, Serial No. 570,960. Published July 3, 1951. Class 28.

549,793. Men's, Women's, and Children's Shoes. Shoe Corporation of America, Columbus, Ohio.
Filed Jan. 5, 1949, Serial No. 571,669. Published July 17, 1951. Class 39.

549,794. Manually Operated Pneumatic Toy Horns. Yoder Manufacturing Company, Los Angeles, Calif.
Filed Jan. 15, 1949, Serial No. 572,285. Published July 10, 1951. Class 22.

549,795. Gas Unit and Gas Steam Radiators. James B. Clow & Sons, Chicago, Ill.
Filed Jan. 21, 1949, Serial No. 572,485. Published July 17, 1951. Class 34.

549,796. Automobile Tires. Sears, Roebuck and Co., Chicago, Ill.
Filed Feb. 10, 1949, Serial No. 573,688. Published July 24, 1951. Class 35.

549,797. Good Will, Educational, Congratulatory, Welcome, Get Well, et Cetera, Pamphlets Issued From Time to Time. Abbott Laboratories, North Chicago, Ill.
Filed Feb. 18, 1949, Serial No. 574,078. Published July 24, 1951. Class 38.

549,798. Dentures and Surgical Appliances, Said Surgical Appliances Consisting of Bone Plates, Etc. Austenal Laboratories, Incorporated, New York, N. Y.
Filed Feb. 21, 1949, Serial No. 574,187. Published July 17, 1951. Class 44.

549,799. Camp Stoves, Coal and Oil Circulator Heaters, Stokers, Gas Conversion Burners, Gas Water Heaters, Combination Gas and Coal Bungalow Stoves, Gas Cooking Stoves, Gas Heaters, Gas Ventilating Heaters, Camp Lanterns, Plastic Reflectors for Lighting Fixtures, Household Air Conditioners, Window Ventilators, and Air Circulators. The May Department Stores Company, St. Louis, Mo., doing business under the name of Kaufmann Department Stores, Pittsburgh, Pa.
Filed Feb. 24, 1949, Serial No. 574,442. Published July 31, 1951. Class 34.

549,800. Fresh Apples. Nuchief Sales, Inc., Wenatchee, Wash., by change of name from Washington Sales, Inc.
Filed Mar. 15, 1949, Serial No. 575,506. Published July 10, 1951. Class 46.

549,801. Rice. H. Traub's Sons, Inc., Savannah, Ga.
Filed Mar. 23, 1949, Serial No. 575,947. Published Oct. 31, 1950. Class 46.

549,802. Rice. H. Traub's Sons, Inc., Savannah, Ga.
Filed Mar. 23, 1949, Serial No. 575,948. Published Oct. 31, 1950. Class 46.

549,803. Men's Hats. The Frank H. Lee Company, Danbury, Conn., and elsewhere.
Filed Mar. 30, 1949, Serial No. 576,341. Published July 3, 1951. Class 39.

549,804. China Dinnerware. Fisher, Bruce & Company, Philadelphia, Pa.
Filed Apr. 4, 1949, Serial No. 576,578. Published July 17, 1951. Class 30.

549,805. Flexible Hose Assemblies Comprising Hose, Flexible Pipe, and Associated Fittings for All Aviation and Industrial Applications. Avica Corporation, Portsmouth, R. I., by change of name from Avico, Incorporated.
Filed Apr. 6, 1949, Serial No. 576,681. Published July 24, 1951. Class 35.

549,806. Ready Mixed Stains To Be Used on Woodwork, Knotty Pine Walls, and Unfinished Furniture; Varnish; and Liquid Paint and Varnish Removers. Her-Mar Industries, Inc., Fort Wayne, Ind.
Filed Apr. 7, 1949, Serial No. 576,753. Published July 31, 1951. Class 16.

549,807. Sugar and Chocolate Coated Candies. Dittmar's Candies, Inc., Chicago, Ill.
Filed Apr. 15, 1949, Serial No. 577,172. Published July 3, 1951. Class 46.

549,808. Resiliently Supported Children's Exerciser Seats. Educational Toy Co., Minneapolis, Minn.
Filed Apr. 25, 1949, Serial No. 577,664. Published Oct. 3, 1950. Class 22.

549,809. Fabric and Rubber Tubing. Eldred Tait Hunter, doing business as Ductube Company, Washington, D. C.
Filed Apr. 26, 1949, Serial No. 577,718. Published July 24, 1951. Class 35.

549,810. Electric Dishwashers. The Hobart Manufacturing Company, Troy, Ohio.
Filed Apr. 27, 1949, Serial No. 577,791. Published July 24, 1951. Class 21.

549,811. Salad Dressing. Grace W. Kieffer, Greenwich, Conn.
Filed Apr. 27, 1949, Serial No. 577,794. Published Oct. 3, 1950. Class 46.

549,812. Motor Vehicle Tires. The Mansfield Tire and Rubber Company, Mansfield, Ohio.
Filed Apr. 29, 1949, Serial No. 577,972. Published July 24, 1951. Class 35.

549,813. Sporting Articles—Namely, Bows, Arrows for Archery, Skis, Ski Sticks, Ski Fastenings, Spare Ski Tips, Golf Clubs for Golfing, Goals for Football, Handball, Basketball, Bandy, Ice and Land Hockey, Fishing Rods, Landing Nets, Fishing Reels, Etc. See Fabriks Aktiebolag, Sandviken, Sweden.
Filed Apr. 29, 1949, Serial No. 577,992. Published July 10, 1951. Class 22.

549,814. Manually Operated Sanding Devices Adapted for Use With Coated Abrasives in Roll Form. Behr-Manning Corporation, Troy, N. Y.
Filed May 9, 1949, Serial No. 578,433. Published June 19, 1951. Class 23.

549,815. Clip Fasteners for Securing Cloth Wrappings Around Surgical Pads During Sterilization. Smith & Underwood, Royal Oak, Mich.
Filed May 10, 1949, Serial No. 578,540. Published July 10, 1951. Class 44.

549,816. Readily Portable Air Conditioning Units of the Type That Serves To Promote People's Comfort and Comprises a Cabinet or Enclosure With Air Inlet and Outlet Openings, Etc. Conditioned Aire Corp., Alexandria, Va.
Filed May 17, 1949, Serial No. 578,958. Published May 16, 1950. Class 34.

549,817. Face Powder. The Andrew Jergens Company, Cincinnati, Ohio.
Filed May 23, 1949, Serial No. 579,329. Published June 26, 1951. Class 51.

549,818. Men's Jewelry Made of or Plated With Precious Metal—Namely, Collar Clips, Key Chains, Tie Clasps, and Cuff Links, Specifically Excluding Bracelets, Wrist Watch Bracelets, Clocks, and Watches. A. C. Lavick, Inc., Chicago, Ill.
Filed May 23, 1949, Serial No. 579,332. Published July 17, 1951. Class 28.

549,819. Women's Hats, Gloves Made of Leather or Fabric or Combinations Thereof, Scarfs, Dresses, and Stoles. Mr. John, Inc., New York, N. Y.
Filed May 25, 1949, Serial No. 579,499. Published July 3, 1951. Class 39.

549,820. Plain and Self-Rising Hard Wheat Flour. The Wall-Rogalsky Milling Company, McPherson, Kans.
Filed June 10, 1949, Serial No. 580,270. Published July 3, 1951. Class 46.

549,821. Building Construction Material—Namely, Building Blocks and Stucco To Be Used in the Facade of a Building. Hiram S. Towns, Fort Wayne, Ind.
Filed June 13, 1949, Serial No. 580,383. Published July 3, 1951. Class 12.

549,822. Interior Flat Wall Paint of the Resin-Emulsion Type. Chemical Plants Engineering Company, Paint Products Division, Malden, Mass.
Filed June 17, 1949, Serial No. 580,642. Published July 31, 1951. Class 16.

549,823. Well Tools—Namely, Pipe Tongs and Parts Thereof. Byron Jackson Co., Los Angeles, Calif.
Filed June 18, 1949, Serial No. 580,727. Published July 17, 1951. Class 23.

549,824. Smelting Furnaces and Parts of Such Furnaces. Elektrokemisk A/S, Oslo, Norway, and New York, N. Y.
Filed June 22, 1949, Serial No. 580,879. Published July 17, 1951. Class 34.

549,825. Billfolds, Wallets, Key Cases, Handbags, Beach Bags, and Baggage—Namely, Over Nights, Pullmans, Wardrobes, Train Cases, Vanities, Fortniters, Foot Lockers, Trunks, Hat Cases, Hat and Shoe Cases, Brief Cases, Two-Suiters, Companion Bags, Club Bags, Attaché Cases, Gladstones, Laundry Cases, Etc. Mercantile Stores Company, Inc., Wilmington, Del.
Filed June 22, 1949, Serial No. 580,895. Published July 31, 1951. Class 3.

549,826. Ladies' Hosiery. S & J Simowitz, Inc., Augusta, Ga.
Filed June 29, 1949, Serial No. 581,298. Published July 10, 1951. Class 39.

549,827. Inner and Outer Garments in Which the Top Is Formed of a Brassière, Etc. Toni Lee, Ltd., New York, N. Y.
Filed July 1, 1949, Serial No. 581,427. Published July 24, 1951. Class 39.

549,828. Wooden Toy Blocks, Block Wagons, Etc. The New England Box Company, Greenfield, Mass.
Filed July 1, 1949, Serial No. 581,435. Published July 3, 1951. Class 22.

549,829. Liquid Level Controls—Namely, a Magnetic Switch Actuated by a Float Within a Liquid Container. Jo-Bell Products, Inc., Chicago, Ill.
Filed July 7, 1949, Serial No. 581,596. Published July 31, 1951. Class 21.

549,830. Permanent Mounting Fluid Used as a Permanent Mounting Medium for Specimen Slides. E. F. Mahady Company, Boston, Mass.
Filed July 9, 1949, Serial No. 581,723. Published July 24, 1951. Class 6.

549,831. Waterless Shampoo for the Hair. Harry G. Douglas, doing business as Belva Mfg. Co., St. Louis, Mo.
Filed July 15, 1949, Serial No. 582,030. Published July 31, 1951. Class 52.

549,832. Electric Vaporizer for Air Purification. Miracold, Seattle, Wash.
Filed July 15, 1949, Serial No. 582,049. Published Aug. 15, 1950. Class 21.

549,833. Soap Powder and Flakes and Detergent Used as a Cleansing Agent or Solvent for Floors, Woodwork, Walls, and the Like. Samuel Halaby, Inc., Rochester, N. Y.
Filed July 18, 1949, Serial No. 582,131. Published July 31, 1951. Class 52.

549,834. Glass Ovenware and Fireproof Cooking Ware. The British Heat Resisting Glass Company Limited, Bilston, England.
Filed July 27, 1949, Serial No. 582,556. Published July 3, 1951. Class 33.

549,835. Dairy Cattle. Oliver Perry Alford, III, Wye Neck, Md.
Filed July 29, 1949, Serial No. 582,670. Published July 17, 1951. Class 1.

549,836. Liquid Preparation for Sealing Gaskets. U. S. Chemical & Supply Co., Kansas City, Mo.
Filed Aug. 2, 1949, Serial No. 582,868. Published July 17, 1951. Class 5.

549,837. Sweetened Coconut. Wood & Selick Sweetened Coconut Company, Inc., New York, N. Y.
Filed Aug. 10, 1949, Serial No. 583,307. Published July 31, 1951. Class 46.

549,838. Starch Used Industrially in the Sizing of Rayon. A. E. Staley Manufacturing Company, Decatur, Ill.
Filed Aug. 19, 1949, Serial No. 583,713. Published July 31, 1951. Class 6.

549,839. Electrical Apparatus—Namely, Electric Motors and Generators, Synchronous Motion Transmitters and Receivers, Direct Current Step-By-Step Motion Transmitters and Receivers, Electric Arc Searchlights, and Parts Therefor. Arma Corporation, Brooklyn, N. Y.
Filed Aug. 20, 1949, Serial No. 583,725. Published July 24, 1951. Class 21.

549,840. Compound for Treating the Formation and Bore Hole of Producing Wells and for Treating New Wells Before They Are Put on Production. Brown Mud Company, Los Angeles, Calif.
Filed Aug. 20, 1949, Serial No. 583,734. Published July 31, 1951. Class 6.

549,841. Street Marking Lacquer. Great Lakes Varnish Works, Inc., Chicago, Ill.
Filed Aug. 23, 1949, Serial No. 583,872. Published July 31, 1951. Class 16.

549,842. Inflatable Toy Figures. Vanguard Corporation, Springfield, Mass.
Filed Sept. 3, 1949, Serial No. 584,473. Published July 3, 1951. Class 22.

549,843. Brake Shoes and Linings Therefor Sold as a Unit. General Motors Corporation, Detroit, Mich.
Filed Sept. 22, 1949, Serial No. 585,166. Published June 26, 1951. Class 19.

549,844. Chemical Composition for Inhibition of Corrosion, Algae Control, and Prevention of Scale in Water Systems. Wright Chemical Corporation, Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,202. Published July 31, 1951. Class 6.

549,845. Chemical Composition for Inhibition of Corrosion and Prevention of Scale Deposition in Water Systems. Wright Chemical Corporation, Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,203. Published July 31, 1951. Class 6.

549,846. Chemical Composition for Reduction of Acidity in Aqueous Systems. Wright Chemical Corporation, Chicago, Ill.
Filed Sept. 22, 1949, Serial No. 585,206. Published July 31, 1951. Class 6.

549,847. Grilles. Hendrick Manufacturing Company, Carbondale, Pa.
Filed Sept. 23, 1949, Serial No. 585,230. Published July 31, 1951. Class 34.

549,848. Inorganic Cobalt Compounds, Plastic Stabilizers, and Fungicides. Ferro Enamel Corporation, Cleveland, Ohio.
Filed Sept. 29, 1949, Serial No. 585,520. Published July 31, 1951. Class 6.

549,849. Roof Coatings of a Blend of Long Staple Canadian Fibers, Etc. Edward G. Snyder, doing business as Snyder's Super Seal, R. D. 2, Muhlenberg Township, Berks County, Pa.
Filed Oct. 12, 1949, Serial No. 586,197. Published July 3, 1951. Class 12.

549,850. Electric Hand Saws. Fred W. Wappat, Inc., Mayville, N. Y.
Filed Oct. 18, 1949, Serial No. 586,505. Published July 24, 1951. Class 21.

549,851. Castor Oil Which Has Been Chemically Treated To Increase Its Hydroxyl Value and Which Is Used for Industrial Purposes. The Baker Castor Oil Company, Jersey City, N. J.
Filed Oct. 19, 1949, Serial No. 586,563. Published July 31, 1951. Class 6.

549,852. Men's Hats. Borden Import Corp., New York, N. Y.
Filed Oct. 31, 1949, Serial No. 587,072. Published July 24, 1951. Class 39.

549,853. Soap. The M. Werk Company, St. Bernard, Ohio.
Filed Nov. 4, 1949, Serial No. 587,372. Published July 17, 1951. Class 52.

549,854. Colloidal Liquid Metallic Paint Coatings. Emil C. Pohlman, doing business as Cold Liquid Metals Company, Los Angeles, Calif.
Filed Nov. 9, 1949, Serial No. 587,560. Published July 31, 1951. Class 16.

549,855. Evaporative Type Air Coolers Adapted To Circulate, Filter and Cool Air. Air Cooling Engineering Co., Morton Grove, Ill.
Filed Nov. 17, 1949, Serial No. 587,922. Published July 17, 1951. Class 34.

549,856. Windshield Wiper Blades and Adapters for Connecting the Wiper Blades to Various Forms of Operating Arms. The Sleetex Company, Inc., New York, N. Y.
Filed Nov. 19, 1949, Serial No. 588,110. Published Dec. 12, 1950. Class 19.

549,857. Solid, Powdered, and Liquid Cleaners for Glass, That Is, Windows and the Like. John C. Stalfort & Sons, Inc., Baltimore, Md.
Filed Nov. 26, 1949, Serial No. 588,402. Published July 17, 1951. Class 52.

549,858. Alfalfa Seed. California Farm Bureau Federation, Berkeley, Calif.
Filed Sept. 26, 1949, Serial No. 588,559. Published July 17, 1951. Class 1.

549,859. Plate Glass, Glass for Mirrors and Glass Store Fronts. Hamilton Glass Company, Inc., Chicago, Ill.
Filed Dec. 1, 1949, Serial No. 588,644. Published July 3, 1951. Class 33.

549,860. Corsets and Brassières. The NuBone Company, Inc., Erie, Pa.
Filed Oct. 31, 1949, Serial No. 588,991. Published July 24, 1951. Class 39.

549,861. Cleansing, Disinfecting, and Deodorising Preparation for Walls, Floors, Woodwork, Kitchen Sinks, Tubs, and the Like. West Disinfecting Company, Long Island City, N. Y.
Filed Dec. 13, 1949, Serial No. 589,288. Published July 31, 1951. Class 52.

549,862. Air Conditioning Systems for Drying, Ventilating, Etc. Carrier Corporation, Syracuse, N. Y.
Filed Dec. 16, 1949, Serial No. 589,425. Published July 24, 1951. Class 34.

549,863. Air Conditioning Systems for Drying, Ventilating, Etc. Carrier Corporation, Syracuse, N. Y.
Filed Dec. 16, 1949, Serial No. 589,426. Published July 24, 1951. Class 34.

549,864. Television Tubes. Sheldon Electric Co. Division of Allied Electric Products, Inc., Irvington, N. J.
Filed Dec. 16, 1949, Serial No. 589,474. Published July 24, 1951. Class 21.

549,865. Remoulade Sauce and Poppy Seed Salad Dressing. Helen Corbitt, Houston, Tex.
Filed Dec. 19, 1949, Serial No. 589,565. Published July 3, 1951. Class 46.

549,866. Women's Hosiery. Sanson Hosiery Mills, Inc., Philadelphia, Pa.
Filed Dec. 23, 1949, Serial No. 589,872. Published July 24, 1951. Class 39.

549,867. Women's and Men's Wear—Namely, Slacks, Shorts, Outer Shirts, and Blouses, Etc. Robert B. Stevenson, Framingham Centre, Mass.
Filed Dec. 23, 1949, Serial No. 589,875. Published Sept. 5, 1950. Class 39.

549,868. Hosiery for Women. Lenoir Hosiery Mills, Inc., Lenoir, N. C.
Filed Dec. 24, 1949, Serial No. 589,902. Published July 17, 1951. Class 39.

549,869. Folding Wall Partition Used To Divide Areas in Structures. Wall Away Co., Culver City, Calif., assignor to Donald M. Breslow, doing business as Curtition Co., Los Angeles, Calif.
Filed Dec. 27, 1949, Serial No. 589,998. Published June 12, 1951. Class 12.

549,870. Woolen and Worsted Yarns and Threads. Leidsche Textielfabrieken Gebr. Van Wijk & Co. N. V., Leiden, Netherlands.
Filed Jan. 5, 1950, Serial No. 590,375. Published July 31, 1951. Class 43.

549,871. Pre-Assembled Windows. Vetter Manufacturing Company, Stevens Point, Wis.
Filed Jan. 6, 1950, Serial No. 590,470. Published July 3, 1951. Class 12.

549,872. Compositions Containing Metal Naphthenates for Use in Preserving Wood, Cordage, and Textiles. Osmose Wood Preserving Co. of America, Inc., Buffalo, N. Y.
Filed Jan. 12, 1950, Serial No. 590,754. Published July 31, 1951. Class 6.

549,873. CONSOLIDATED CERTIFICATE. Cochrane Corporation, Philadelphia, Pa.
Settling Tanks and Receiving Tanks for Holding Liquids. Filed Dec. 7, 1950, Serial No. 607,375. Published May 8, 1951. Class 2.
Multiport, Back-Pressure, Flow, Boiler Blow-Off, Drainer, Etc. Filed Jan. 14, 1950, Serial No. 590,883. Published Apr. 24, 1951. Class 13.
Electric-Driven, Motor-Operated, Multiport Valves. Filed Dec. 7, 1950, Serial No. 607,376. Published May 8, 1951. Class 21.
Motor-Driven Multiport Valves, Water-Treatment Apparatus, Etc. Filed Jan. 14, 1950, Serial No. 590,884. Published May 1, 1951. Class 23.
V-Notch Recorders, Pipe Flow Meters, Float-Controlled Liquid Level Regulators and Meter-Actuated and Constant-Rate Feeders for Adding Chemicals to Liquids. Filed Jan. 14, 1950, Serial No. 590,885. Published May 1, 1951. Class 26.
Independent Pressure and Gravity Filters and Water Softeners of the Ion Exchange Type. Filed Jan. 14, 1950, Serial No. 590,886. Published May 29, 1951. Class 31.
Water and Feed-Water Heaters, Steam Purifiers Used as Boiler Adjuncts for Removing Water From Steam and Continuous Blow-Off Systems Having a Flash Tank and/or Heat Exchanger for Removing Concentrated Liquids From Boilers. Filed Jan. 14, 1950, Serial No. 590,887. Published May 8, 1951. Class 34.

549,874. Polishing Sheet Made of Paper Containing a Cleansing Agent for Cleaning Metal Surfaces. The Munising Paper Company, Chicago, Ill.
Filed Jan. 14, 1950, Serial No. 590,908. Published July 31, 1951. Class 4.

549,875. Containers for Holding Playing-Cards During a Card Game. Supreme Sales Co., Los Angeles, Calif.
Filed Jan. 20, 1950, Serial No. 591,206. Published July 10, 1951. Class 22.

549,876. Electrical Switches. Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y.
Filed Jan. 21, 1950, Serial No. 591,227. Published July 31, 1951. Class 21.

549,877. Artificial Fishing Lures. Stream Line Products, Inc., Meadows, Ill.
Filed Jan. 26, 1950, Serial No. 591,525. Published July 10, 1951. Class 22.

549,878. Carding and Combing Machines for Textile Fibers Particularly for Cotton. Société Alsacienne de Constructions Mécaniques, Société Anonyme, Mulhouse, Haut-Rhin, France.
Priority under Sec. 44(d). French Registration No. 2,099, filed Dec. 15, 1949.
Filed Jan. 25, 1950, Serial No. 591,650. Published July 17, 1951. Class 23.

549,879. Educational Construction Toy. Bux Brix Manufacturing Company, Portland, Oreg.
Filed Feb. 1, 1950, Serial No. 591,767. Published July 10, 1951. Class 22.

549,880. Pipe Dope, Patching Plaster, and Roofing Cement. Pinol Manufacturing Co. Inc., Philadelphia, Pa.
Filed Feb. 2, 1950, Serial No. 591,861. Published July 3, 1951. Class 12.

549,881. Gaskets. Victor Manufacturing & Gasket Co., Chicago, Ill.
Filed Feb. 2, 1950, Serial No. 591,873. Published July 24, 1951. Class 35.

549,882. Gaskets. Victor Manufacturing & Gasket Co., Chicago, Ill.
Filed Feb. 2, 1950, Serial No. 591,899. Published July 24, 1951. Class 35.

549,883. Ukuleles, Banjo Ukuleles, Tenor Guitars, Plectrum Guitars, Electric Guitars, Guitars, Banjos, Tenor Banjos, Taropatches, Tiples, Mandolins, Tenor Ukuleles, and Banjo Mandolins. Jules M. Sahlein, doing business under the trade name of J. M. Sahlein Music Company, San Francisco, Calif.
Filed Feb. 3, 1950, Serial No. 591,958. Published July 24, 1951. Class 36.

549,884. Exterior Paints, High Gloss Enamel Paints, Semi-Gloss Enamel Paints, Interior Flat Finish Coat Paint, and Interior Paints for the Purpose of Priming and Sealing Walls. Frank W. Dunne Co., Oakland, Calif.
Filed Feb. 7, 1950, Serial No. 592,077. Published July 31, 1951. Class 16.

549,885. Radio Receiving Sets and for Operator Controlled Selector Devices Thereof. General Motors Corporation, Detroit, Mich.
Filed Feb. 9, 1950, Serial No. 592,203. Published Nov. 7, 1950. Class 21.

549,886. Cleaning Compositions, Particularly for Treatment of Natural and Artificial Textile Fibres or Filaments, or of Metals and Other Solid Surfaces. Alrose Chemical Company, Cranston, R. I.
Filed Feb. 11, 1950, Serial No. 592,294. Published July 17, 1951. Class 52.

549,887. Hand Tools for Applying Electrical Terminals and Connectors. Aircraft-Marine Products Inc., Harrisburg, Pa.
Filed Feb. 15, 1950, Serial No. 592,452. Published July 17, 1951. Class 23.

549,888. Electric Household Appliances — Namely, Toasters, Irons, Roasters, Grilles, Fryers, Table Cookers, Food Mixers, Food Beaters, and Coffee Makers. May Lorder Studios, Inc., Providence, R. I.
Filed Feb. 15, 1950, Serial No. 592,501. Published July 24, 1951. Class 21.

549,889. Face Powder, Hand Lotion, Foundation Cream, Cleansing Cream, Night Cream, Elastic Cream, Lipstick, Rouge, Astringent, and Skin Freshener. Materna Products, Inc., Memphis, Tenn.
Filed Feb. 16, 1950, Serial No. 592,572. Published July 24, 1951. Class 51.

549,890. Jewelry Clips. Weinreich Brothers Company, New York, N. Y.
Filed Feb. 23, 1950, Serial No. 592,959. Published July 17, 1951. Class 28.

549,891. Frangible Targets. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif.
Filed Feb. 24, 1950, Serial No. 593,010. Published July 10, 1951. Class 22.

549,892. Wheat Flour. Pillsbury Mills, Inc., Minneapolis, Minn.
Filed Feb. 25, 1950, Serial No. 593,083. Published July 3, 1951. Class 46.

549,893. Men's Clothing—Namely, Suits, Topcoats, Overcoats, Sportcoats, Leisure Coats, Tuxedo Coats and Pants, and Vests. Padi Clothes Inc., Philadelphia, Pa.
Filed Feb. 28, 1950, Serial No. 593,187. Published June 5, 1951. Class 39.

549,894. Electromechanical Instrument Components—Namely, Electric Motors and Generators, Synchronous Motion Transmitters and Receivers, Direct Current Step-by-Step Motion Transmitters and Receivers, and Parts Thereof. Arma Corporation, Brooklyn, N. Y.
Filed Mar. 1, 1950, Serial No. 593,210. Published July 31, 1951. Class 21.

549,895. Electrically Driven, Portable Hand Saws, for Cutting Wood, Including Plywood, Metal, Plastic, Asbestos, and the Like. R. Caluwaerts Co. Inc., New York, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware.
Filed Mar. 1, 1950, Serial No. 593,218. Published July 31, 1951. Class 21.

549,896. Shotgun Shells and Air Rifle Shot. Federal Cartridge Corporation, Minneapolis, Minn.
Filed Mar. 6, 1950, Serial No. 593,478. Published Sept. 12, 1950. Class 9.

549,897. Power and Transmission Belting. Warren Belting Company, Inc., Worcester, Mass.
Filed Mar. 1, 1950, Serial No. 593,639. Published July 24, 1951. Class 35.

549,898. Pneumatic Tires, Pneumatic Tubes, Power Transmission Belts, Rubber Hose, and Tire and Tube Repair Material and Camelback. The Gates Rubber Company, Denver, Colo.
Filed Mar. 9, 1950, Serial No. 593,666. Published July 24, 1951. Class 35.

549,899. Insecticidal Liquid for Use as a Spray. McLaughlin Gormley King Company, Minneapolis, Minn.
Filed Mar. 9, 1950, Serial No. 593,675. Published July 31, 1951. Class 6.

549,900. Yarns Made of Flax, Ramie, Jute, or Hemp. Sativa Corporation, New York, N. Y.
Filed Mar. 9, 1950, Serial No. 593,689. Published July 31, 1951. Class 43.

549,901. Men's Hats and Caps. Swann-Abram Hat Company, Inc., Louisville, Ky.
Filed Mar. 17, 1950, Serial No. 594,153. Published Mar. 20, 1951. Class 39.

549,902. Fish Stringers. Peter J. Kuhl, Racine, Wis.
Filed Mar. 18, 1950, Serial No. 594,224. Published July 10, 1951. Class 22.

549,903. Polo Shirts, and Sweaters for Women and Girls. Roosevelt Mills, Inc., Manchester, Conn, and New York, N. Y.
Filed Mar. 25, 1950, Serial No. 594,661. Published July 3, 1951. Class 39.

549,904. Watches for Men and Women. M. Argent Hamber, trading under the name Lifetime Watch Company, Philadelphia, Pa.
Filed Mar. 31, 1950, Serial No. 594,969. Published July 17, 1951. Class 27.

549,905. Insulating Material for Electric Wires, for Plastic Insulated Electric Wires, and on Insulation Tubing Made of Plastic Material To Cover Electric Wires. William Brand & Co., New York, N. Y., assignor to The William Brand and Co., Inc., Willimantic, Conn.
Filed Apr. 6, 1950, Serial No. 595,303. Published July 24, 1951. Class 21.

549,906. CONSOLIDATED CERTIFICATE. National Silver Company, New York, N. Y.
Base Metal Hollowware—Namely, Trays, Relish Dishes, Etc. Filed Apr. 13, 1950, Serial No. 595,674. Published June 12, 1951. Class 13.
Base Metal Table Cutlery—Namely, Knives, Forks, and Spoons. Filed Apr. 13, 1950, Serial No. 595,675. Published Aug. 1, 1950. Class 23.

549,907. Plates Made of China. Marcellus S. Miller, Norfolk, Va.
Filed Apr. 14, 1950, Serial No. 595,731. Published July 3, 1951. Class 30.

549,908. Radio Receiving Sets and Parts Thereof, Vacuum or Electron Tubes, Radio Loud Speakers; Electrically Driven Record Changers, and Parts Thereof; Electrically Operated Record Players, Etc. Admiral Corporation, Chicago, Ill.
Filed Apr. 17, 1950, Serial No. 595,811. Published July 31, 1951. Class 21.

549,909. Cup Leathers for Pumps. Dempster Mill Manufacturing Company, Beatrice, Nebr.
Filed Apr. 18, 1950, Serial No. 595,876. Published July 24, 1951. Class 35.

549,910. Wild Game Calls in the Nature of Manufactured Wooden Hand-Type Calls, Specifically, Duck and Goose Calls. Allen J. Airhart, Lake Charles, La.
Filed Apr. 19, 1950, Serial No. 595,927. Published July 10, 1951. Class 22.

549,911. Boilers, Furnaces, Air Conditioners, Heaters, Water Heaters, Dryers Based Upon Application of Heat, Burners, Fuel Entrainment Devices, Ignition and Pilot Devices for Gas Heating Equipment, Blowers. Affiliated Gas Equipment, Inc., Cleveland, Ohio.
Filed Apr. 20, 1950, Serial No. 596,005. Published July 31, 1951. Class 34.

549,912. Watch and Clock Repair Parts—Namely, Stems, Staffs, Crowns, Mainsprings, Minute Wheels, Pallets, Clutch Wheels, Winding Pinions, Center Wheels, 4th Wheels, Hour Wheels, 3rd Wheels, Regulators, Cannon Pinions, Rollers, Brequet Balances, Flat Balances, and Yoke Bridges. Watchmaker's Material Association, Chicago, Ill.
Filed Apr. 21, 1950, Serial No. 596,134. Published July 24, 1951. Class 27.

549,913. Dry Cleaning Detergents. Stamford Chemical Company, Stamford, Conn.
Filed Apr. 22, 1950, Serial No. 596,206. Published July 17, 1951. Class 52.

549,914. Girdles and Corsets. True Form Corset Company, Inc., Philadelphia, Pa.
Filed Apr. 25, 1950, Serial No. 596,310. Published July 24, 1951. Class 39.

549,915. Prepared Paint for Interior and Exterior Use, Floor and Porch Paint Enamels, Varnish, Enamel Paint for Tractors and Other Farm Implements, Four-Hour Paint Enamel, Flat Wall Paint for Interior Use, and Interior Semi-Gloss Paints. Spencer-Adams Paint Company, Atlanta, Ga.
Filed Apr. 28, 1950, Serial No. 596,534. Published July 31, 1951. Class 16.

549,916. Finishing Insulating Cement. Baldwin-Hill Company, Trenton, N. J.
Filed Mar. 3, 1950, Serial No. 596,637. Published July 3, 1951. Class 12.

549,917. Electrically Operated Audible Fire Alarm Signal. The Firewake Corporation, Ashland, Ky.
Filed May 5, 1950, Serial No. 596,906. Published July 24, 1951. Class 21.

549,918. Antacid Agent for Neutralising Gastric Acidity. Flint, Eaton and Company, Decatur, Ill.
Filed May 11, 1950, Serial No. 597,260. Published July 17, 1951. Class 18.

549,919. Agent for Neutralising Gastric Acidity and Producing Sedation. Flint, Eaton and Company, Decatur, Ill.
Filed May 11, 1950, Serial No. 597,262. Published July 17, 1951. Class 18.

549,920. Publications Issued at Irregular Intervals Each Year. G. D. Searle & Co., Chicago, Ill.
Filed May 16, 1950, Serial No. 597,547. Published July 24, 1951. Class 38.

549,921. Miniature Railroads and Miniature Rail Equipment, Designed to Simulate Regular Railroad Equipment and Specially Adapted To Be Used as Children's Amusement Devices at Amusement Parks, County Fairs, and Similar Places. Miniature Train Co., Rensselaer, Ind.
Filed May 19, 1950, Serial No. 597,773. Published July 10, 1951. Class 22.

549,922. Preparations for the Treatment of Hair—Namely, Shampoos. Raymond Laboratories, Inc., St. Paul, Minn.
Filed May 24, 1950, Serial No. 598,038. Published July 17, 1951. Class 52.

549,923. Aircraft Heaters, by Which Is Meant a Heater Designed To Heat Aircraft for Passenger Comfort. Surface Combustion Corporation, Toledo, Ohio.
Filed May 26, 1950, Serial No. 598,220. Published July 3, 1951. Class 19.

549,924. Women's Dresses. Jonathan Logan, Inc., New York, N. Y.
Filed May 27, 1950, Serial No. 598,262. Published July 24, 1951. Class 39.

549,925. Glassware in Various Fabricated Forms—Namely, Glass Tubing, Glass Rod, Glass Capillary Tubes, Glass Vials, Glass Ampoules, Glass Jars, Glass Funnels, and Glass Oil Cups. Friedrich & Dimmock, Inc., Millville, N. J.
Filed June 13, 1950, Serial No. 598,992. Published July 31, 1951. Class 33.

549,926. Chemical Solution Used To Inhibit Corrosion and Scale Deposition in Steel Equipment. Texas Acidizers, Inc., Seguin, Tex.
Filed June 16, 1950, Serial No. 599,281. Published July 31, 1951. Class 6.

549,927. Jewelry Findings—Namely, Fasteners and Closures. Weinreich Brothers Company, New York, N. Y.
Filed June 16, 1950, Serial No. 599,294. Published July 17, 1951. Class 28.

549,928. Ladies' Fur Coats. Convertible Furs, Inc., New York, N. Y.
Filed June 17, 1950, Serial No. 599,311. Published July 3, 1951. Class 39.

549,929. Electric Locomotives. Nydqvist & Holm Aktiebolag, Trollhattan, Sweden.
Filed June 19, 1950, Serial No. 599,388. Published July 31, 1951. Class 21.

549,930. Children's Topcoats, Overcoats, Raincoats, Etc. Arthur M. Schargel, Somerville, N. J.
Filed June 20, 1950, Serial No. 599,457. Published July 3, 1951. Class 39.

549,931. Yarns and Threads Made of Silk, Rayon, Nylon, Hairs, Wool, Cashmere, and Other Animal Fibers and Filaments, and Made of Cotton and Other Vegetable Fibers, and Made of Synthetic Fibers and Filaments and Mixtures Thereof. Bernhard Altmann, New York, N. Y.
Filed June 21, 1950, Serial No. 599,474. Published July 24, 1951. Class 43.

549,932. Women's Hosiery. Burlington Mills Corporation, Greensboro, N. C.
Filed June 21, 1950, Serial No. 599,496. Published July 24, 1951. Class 39.

549,933. Sport Coats and Slacks for Men and Boys. The Hecht Company, Washington, D. C.
Filed June 22, 1950, Serial No. 599,567. Published July 3, 1951. Class 39.

549,934. Inner Tubes of Rubber for Tires, Etc. Carlisle Corporation, Carlisle, Pa.
Filed June 24, 1950, Serial No. 599,692. Published July 24, 1951. Class 35.

549,935. Evaporative Coolers for Automobiles and Parts Therefor. George A. McAlister, Jr., Big Spring, Tex.
Filed June 29, 1950, Serial No. 599,960. Published June 26, 1951. Class 19.

549,936. Ties, Principally Bow Ties for Collar Attached Shirts and Double Collars. Sol Sherman, New York, N. Y.
Filed June 29, 1950, Serial No. 599,983. Published July 3, 1951. Class 39.

549,937. Tops of the Bandalore Type. Royal Tops Mfg. Co., Long Island City, N. Y.
Filed June 30, 1950, Serial No. 600,083. Published July 10, 1951. Class 22.

549,938. Tubular Sheathed Embedded-Resistor Electric Heating Units and Parts Thereof. Edwin L. Wiegand Company, Pittsburgh, Pa.
Filed June 30, 1950, Serial No. 600,098. Published July 24, 1951. Class 21.

549,939. Men's Garments—Namely, Outer Shirts, Pyjamas, Bathrobes, Etc. William Hollins & Company Limited, Nottingham, England.
Filed July 11, 1950, Serial No. 600,484. Published June 5, 1951. Class 39.

549,940. Portable Barbecue of Metal. William G. Persinger, doing business as Shine-Boy Manufacturing Company, Burbank, Calif.
Filed July 11, 1950, Serial No. 600,508. Published July 31, 1951. Class 34.

549,941. Men's Outer Shirts and Collars. Trubenizing Process Corporation, New York, N. Y.
Filed July 15, 1950, Serial No. 600,742. Published July 3, 1951. Class 39.

549,942. Men's Outer Shirts and Collars. Trubenizing Process Corporation, New York, N. Y.
Filed July 15, 1950, Serial No. 600,743. Published July 3, 1951. Class 39.

549,943. Men's Garments—Namely, Outer Shirts, Pyjamas, Bathrobes, Etc. William Hollins & Company Limited, Nottingham, England.
Filed July 17, 1950, Serial No. 600,776. Published July 3, 1951. Class 39.

549,944. Ladies' Belts, Gloves, Scarves, Shoes, Slippers, and Hats, Bonnets and Caps of Silk, Felt, and Straw. Lederer de Paris Fifth Avenue, Inc., New York, N. Y.
Filed June 7, 1950, Serial No. 600,799. Published July 24, 1951. Class 39.

549,945. Persian Lamb Fur Coats, Persian Lamb Skins and Persian Lamb Fur Pieces, Etc. Rose & Pack, New York, N. Y.
Filed July 18, 1950, Serial No. 600,853. Published July 3, 1951. Class 39.

549,946. Bowling Pins. Robert F. Budinger, doing business as The Northern Maple Company, Vulcan, Mich.
Filed July 27, 1950, Serial No. 601,803. Published July 10, 1951. Class 22.

549,947. Glass Ovenware and Fireproof Cooking Ware. The British Heat Resisting Glass Company Limited, Bilston, England.
Filed Aug. 1, 1950, Serial No. 601,532. Published July 3, 1951. Class 33.

549,948. Metal Carbonyls—Namely, Iron, Nickel, Cobalt, Molybdenum Carbonyls. General Aniline & Film Corporation, New York, N. Y.
Filed Aug. 4, 1950, Serial No. 601,722. Published July 31, 1951. Class 6.

549,949. Refrigeration Packaging Products—Namely, Wrapping Paper. International Harvester Company, Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 601,792. Published May 29, 1951. Class 37.

549,950. Gasket Seal for Flanged Joints, Bolt Heads, and Fittings. Precision Rubber Products Corporation, Dayton, Ohio.
Filed Aug. 7, 1950, Serial No. 601,846. Published July 24, 1951. Class 35.

549,951. Men's, Boys', and Juniors' Outer Shirts, Trousers, Slacks, Work Pants, Jackets, Sport Coats, Suits, Slack Suits. Henry I. Siegel Co. Inc., New York, N. Y., and Dickson, Tenn.
Filed Aug. 8, 1950, Serial No. 601,952. Published July 24, 1951. Class 39.

549,952. Books and Magazines. The Bruce Publishing Company, Milwaukee, Wis.
Filed Aug. 9, 1950, Serial No. 601,975. Published July 24, 1951. Class 38.

549,953. Women's Hosiery. Sanson Hosiery Mills, Inc., Philadelphia, Pa.
Filed Aug. 9, 1950, Serial No. 602,000. Published July 10, 1951. Class 39.

549,954. Sterling Silver Hollowware. R. Wallace & Sons Manufacturing Company, Wallingford, Conn.
Filed Aug. 9, 1950, Serial No. 602,006. Published July 17, 1951. Class 28.

549,955. Rolling and Stationary Window Screens. The Columbia Mills, Inc., Syracuse, N. Y.
Filed Aug. 11, 1950, Serial No. 602,084. Published July 3, 1951. Class 12.

549,956. Liquid To Be Added to Cement or Mortar for the Purpose of Making the Cement or Mortar Highly Air-Entrained. Lindgren Company, Inc., San Francisco, Calif.
Filed Aug. 17, 1950, Serial No. 602,323. Published July 3, 1951. Class 12.

549,957. Men's and Boys' Underwear. Cluett, Peabody & Co. Inc., Troy, N. Y.
Filed Aug. 18, 1950, Serial No. 602,363. Published July 10, 1951. Class 39.

549,958. Clays. Ferro Enamel Corporation, Cleveland, Ohio.
Filed Aug. 18, 1950, Serial No. 602,385. Published July 31, 1951. Class 1.

549,959. Clays. Ferro Enamel Corporation, Cleveland, Ohio.
Filed Aug. 18, 1950, Serial No. 602,386. Published July 31, 1951. Class 1.

549,960. Clays. Ferro Enamel Corporation, Cleveland, Ohio.
Filed Aug. 18, 1950, Serial No. 602,387. Published July 17, 1951. Class 1.

549,961. Insecticides. Chandler R. Parsons, doing business as Parsons Chemical Works, Grand Ledge, Mich.
Filed Aug. 21, 1950, Serial No. 602,523. Published July 24, 1951. Class 6.

549,962. Holder for Baby Nursing Bottle. D. Mary Suich, doing business as Molly Enterprises, Altadena, Calif.
Filed Aug. 22, 1950, Serial No. 602,576. Published July 17, 1951. Class 44.

549,963. Exhaust and Ventilating Fans. Broan Mfg. Co., Inc., Milwaukee, Wis.
Filed Aug. 24, 1950, Serial No. 602,672. Published July 17, 1951. Class 34.

549,964. Primer and Sealer Compositions for Use Under Conventional Finishes on All Types of Interior Surfaces. Interchemical Corporation, New York, N. Y.
Filed Aug. 24, 1950, Serial No. 602,697. Published July 31, 1951. Class 16.

549,965. Fishing Tackle, Viz., Artificial Baits or Lures, Including Types of Lures Which Are Generally Termed Dodgers, Plugs, Spoons, and Spinners. Lester M. Davis, doing business as Davis Fishing Tackle Co., Tacoma, Wash.
Filed Aug. 29, 1950, Serial No. 602,893. Published July 3, 1951. Class 22.

549,966. Dry Bath or Cleaner for Dogs and Cats and Also a Shampoo for Dogs and Cats. R. J. M. Sales Co., Burlington, Wis.
Filed Aug. 30, 1950, Serial No. 602,974. Published July 31, 1951. Class 52.

549,967. Magazine. Ziff-Davis Publishing Company, Chicago, Ill.
Filed Sept. 5, 1950, Serial No. 603,173. Published July 24, 1951. Class 38.

549,968. Toy Airplanes, Parts and Accessories. Mack Brothers Manufacturing Company, Beverly Hills, Calif., assignor to Wen-Mac Corporation, Beverly Hills, Calif., a corporation of California.
Filed Sept. 9, 1950, Serial No. 603,372. Published July 10, 1951. Class 22.

549,969. Farm, Vegetable, and Flower Seeds. Berry Seed Company, and also doing business under the following names, Griswold Seed Co., Mid-Continent Seeds Inc., Standard Seed and Feed Company, Standard Seed Co. and American Field Seed Co., Clarinda, Iowa.
Filed Sept. 14, 1950, Serial No. 603,515. Published July 31, 1951. Class 1.

549,970. Latex. Stein, Hall & Company, Inc., New York, N. Y.
Filed Sept. 14, 1950, Serial No. 603,556. Published July 31, 1951. Class 1.

549,971. Soap-Like Synthetic Detergents. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Sept. 20, 1950, Serial No. 603,563. Published July 31, 1951. Class 52.

549,972. Doll Carriages. Thayer, Inc., Gardner, Mass.
Filed Sept. 18, 1950, Serial No. 603,705. Published July 3, 1951. Class 22.

549,973. Watches, Watch Cases, and Watch Movements. The Gruen Watch Company, Cincinnati, Ohio.
Filed Sept. 20, 1950, Serial No. 603,785. Published July 17, 1951. Class 27.

549,974. Leather. Bolton Leathers Limited, Bolton, England.
Filed Sept. 27, 1950, Serial No. 604,067. Published July 17, 1951. Class 1.

549,975. Hats for Men and Women. Hat Corporation of America, Norwalk, Conn.
Filed Sept. 28, 1950, Serial No. 604,152. Published July 3, 1951. Class 39.

549,976. Photographic Chemical. Chroma-Graph, Inc., Milwaukee, Wis.
Filed Sept. 29, 1950, Serial No. 604,190. Published July 31, 1951. Class 6.

549,977. Photographic Chemical. Chroma-Graph, Inc., Milwaukee, Wis.
Filed Sept. 29, 1950, Serial No. 604,191. Published July 31, 1951. Class 6.

549,978. Watches, Clocks, and Parts Thereof, and Watches and Attached Wristbands Sold as a Unit. S. Rodman Sons, New York, N. Y.
Filed Sept. 29, 1950, Serial No. 604,232. Published July 17, 1951. Class 27.

549,979. Fishing Rods. Wright & McGill Co., Denver, Colo.
Filed Sept. 29, 1950, Serial No. 604,242. Published July 3, 1951. Class 22.

549,980. Periodical Issued From Time to Time. Hat Corporation of America, Norwalk, Conn.
Filed Oct. 2, 1950, Serial No. 604,302. Published July 24, 1951. Class 38.

549,981. Men's Clothing—Namely, Two-Piece Suits. Roger Kent, Inc., New York, N. Y., Philadelphia, Pa., New Haven, Conn., Cambridge and Boston, Mass.
Filed Oct. 2, 1950, Serial No. 604,306. Published July 17, 1951. Class 39.

549,982. Livestock Feed—Namely, Dairy Feeds. Supreme Feed Mills, Glasgow, Ky.
Filed Oct. 2, 1950, Serial No. 604,330. Published July 10, 1951. Class 46.

549,983. Automobiles and Automobile Bodies. Hudson Motor Car Company, Detroit, Mich.
Filed Oct. 3, 1950, Serial No. 604,365. Published June 26, 1951. Class 19.

549,984. Automobiles and Automobile Bodies. Hudson Motor Car Company, Detroit, Mich.
Filed Oct. 3, 1950, Serial No. 604,366. Published June 26, 1951. Class 19.

549,985. Plastic Fabric for Reinforcing a Fabric Material for Fabrication Into Orthopedic Appliances. Vernon-Benshoff Company, Pittsburgh, Pa.
Filed Oct. 3, 1950, Serial No. 604,405. Published July 17, 1951. Class 44.

549,986. Quick-Setting Molding Material for Constructing Orthopedic Positive Molds. Vernon-Benshoff Company, Pittsburgh, Pa.
Filed Oct. 3, 1950, Serial No. 604,407. Published July 17, 1951. Class 44.

549,987. Soya Bean Glue. Reichhold Chemicals, Inc., Detroit, Mich.
Filed Oct. 4, 1950, Serial No. 604,447. Published July 17, 1951. Class 5.

549,988. Fatty Acids of Oiticica Oil. Brasil Oiticica, Inc., New York, N. Y.
Filed Oct. 5, 1950, Serial No. 604,463. Published July 24, 1951. Class 6.

549,989. Hydrogenated Oiticica Oil. Brasil Oiticica, Inc., New York, N. Y.
Filed Oct. 5, 1950, Serial No. 604,464. Published July 24, 1951. Class 6.

549,990. Cartoon Section of Newspapers and Other Publications. The Register and Tribune Company, Des Moines, Iowa.
Filed Oct. 6, 1950, Serial No. 604,547. Published July 24, 1951. Class 38.

549,991. Comic Books. Terrytoons, Inc., New Rochelle, N. Y.
Filed Oct. 6, 1950, Serial No. 604,553. Published July 24, 1951. Class 38.

549,992. Insecticides and Disinfectants. The Gerson-Stewart Corporation Company, Cleveland, Ohio.
Filed Oct. 7, 1950, Serial No. 604,577. Published July 31, 1951. Class 6.

549,993. Fresh Citrus Fruits, Fresh Deciduous Fruits, Fresh Vegetables, Fresh Cantaloupes, and Fresh Watermelons. Palm Terrace Fruit Company, Mount Dora, Fla.
Filed Oct. 7, 1950, Serial No. 604,592. Published July 31, 1951. Class 46.

549,994. Twine. International Harvester Company, Chicago, Ill.
Filed Aug. 5, 1950, Serial No. 604,607. Published July 31, 1951. Class 7.

549,995. Printed Books. Grosset & Dunlap, Inc., New York, N. Y.
Filed Oct. 9, 1950, Serial No. 604,630. Published July 24, 1951. Class 38.

549,996. Women's Lounging and Sleeping Pajamas. Mitchell Bros., Incorporated, Bridgeport, Conn.
Filed Oct. 10, 1950, Serial No. 604,700. Published July 24, 1951. Class 39.

549,997. Periodical Publications Published and Distributed From Time to Time. The California Oil Company, Wilmington, Del., and Barber, N. J.
Filed Oct. 12, 1950, Serial No. 604,762. Published July 24, 1951. Class 38.

549,998. Catalyst for the Treatment of Waste Liquors Containing 6-Valent Chromium, Other Metals, and Cyanide. Nelson Chemicals Corporation, Detroit, Mich.
Filed Oct. 12, 1950, Serial No. 604,797. Published July 24, 1951. Class 6.

549,999. Finger Rings. Ostby and Barton Company, Providence, R. I.
Filed Aug. 23, 1950, Serial No. 604,883. Published July 31, 1951. Class 28.

550,000. Men's, Women's, and Children's Hats and Caps of Felt, Straw, Wool, and Synthetic Fibers. The Brittany Hat Co., Inc., New York, N. Y.
Filed Oct. 14, 1950, Serial No. 604,900. Published July 3, 1951. Class 39.

550,001. Chemicals and Chemical Compositions for Water Conditioning. Allis-Chalmers Manufacturing Company, Milwaukee, Wis.
Filed Oct. 16, 1950, Serial No. 604,948. Published July 31, 1951. Class 6.

550,002. Laxative Preparation. Jean U. Koree, New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,040. Published July 17, 1951. Class 18.

550,003. Linoleum. Armstrong Cork Company, Lancaster, Pa.
Filed Oct. 18, 1950, Serial No. 605,085. Published July 24, 1951. Class 20.

550,004. Nitro Carbo Nitrate. Hercules Powder Company, Wilmington, Del.
Filed Oct. 18, 1950, Serial No. 605,097. Published July 24, 1951. Class 6.

550,005. Artificial Teeth. Myerson Tooth Corporation, Cambridge, Mass.
Filed Oct. 18, 1950, Serial No. 605,112. Published July 17, 1951. Class 44.

550,006. Air Deodorizing Liquid. Nelson Ideas, Inc., Schenectady, N. Y.
Filed Oct. 18, 1950, Serial No. 605,114. Published July 24, 1951. Class 6.

550,007. Finishing Agents for Textiles, Containing Modified Fats and an Emulsifying Agent. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Oct. 19, 1950, Serial No. 605,173. Published July 24, 1951. Class 6.

550,008. Cartoons. Henry Projansky, Revere, Mass.
Filed Oct. 20, 1950, Serial No. 605,232. Published July 24, 1951. Class 38.

550,009. Semi-Refined Alkali Metal Salt of Alginic Acid. Kelco Company, San Diego, Calif.
Filed Oct. 23, 1950, Serial No. 605,310. Published July 24, 1951. Class 6.

550,010. Comic Magazines Containing Adventure Stories. Nation-Wide Publishing Corp., Chicago, Ill.
Filed Oct. 23, 1950, Serial No. 605,322. Published July 24, 1951. Class 38.

550,011. Foot Operated Propelling Device Adapted To Be Used To Propel Skiffs. U. S. Die Casting and Manufacturing Company, doing business under the fictitious name and style of Production Engineering Company, Berkeley, Calif.
Filed Oct. 23, 1950, Serial No. 605,337. Published July 10, 1951. Class 19.

550,012. Processed Leather and Sheet Leather. Genuine Leather Processing Corp., New York, N. Y.
Filed Oct. 24, 1950, Serial No. 605,359. Published July 17, 1951. Class 1.

550,013. Processed Leather and Sheet Leather. Genuine Leather Processing Corp., New York, N. Y.
Filed Oct. 24, 1950, Serial No. 605,360. Published July 17, 1951. Class 1.

550,014. Air Deodorant. The Interstate Sanitation Co., Inc., Cincinnati, Ohio.
Filed Oct. 24, 1950, Serial No. 605,361. Published July 24, 1951. Class 6.

550,015. Disinfectant. Whalen Chemical Company, Hamilton, Ill.
Filed Oct. 24, 1950, Serial No. 605,384. Published July 24, 1951. Class 6.

550,016. Wheels for Industrial Trucks. Aerol Co. Inc., Burbank, Calif.
Filed Oct. 25, 1950, Serial No. 605,390. Published July 17, 1951. Class 19.

550,017. Water Repellents and Stain Repellents for Textile Use. Alrose Chemical Company, Cranston, R. I.
Filed Oct. 25, 1950, Serial No. 605,394. Published July 24, 1951. Class 6.

550,018. Chemical Colors—Namely, Pigments, Lakes and Toners in Both Dry and Liquid Forms, and Chemical Intermediates for the Same. Holland Color and Chemical Company, Holland, Mich.
Filed Oct. 27, 1950, Serial No. 605,481. Published July 31, 1951. Class 6.

550,019. Dissolving Agent for Milk Stone in Dairy Equipment. Diamond Alkali Company, Cleveland, Ohio.
Filed Oct. 26, 1950, Serial No. 605,511. Published July 31, 1951. Class 6.

550,020. Photographic Developers. General Aniline & Film Corporation, New York, N. Y.
Filed Oct. 26, 1950, Serial No. 605,514. Published July 31, 1951. Class 6.

550,021. Preservative for Auto Bodies and Chromium Finishes. Phillips Products, Chicago, Ill.
Filed Oct. 26, 1950, Serial No. 605,528. Published July 31, 1951. Class 6.

550,022. Liquid Dispersant and Emulsifying Agent. Hood Chemical Co., Inc., Philadelphia, Pa.
Filed Nov. 2, 1950, Serial No. 605,791. Published July 1, 1951. Class 6.

550,023. Veterinary Preparation for the Elimination of Odors in Animals. Allied Laboratories, Inc., Kansas City, Mo.
Filed Nov. 3, 1950, Serial No. 605,835. Published July 17, 1951. Class 18.

550,024. Laxative Tablets. Allied Laboratories, Inc., Kansas City, Mo.
Filed Nov. 3, 1950, Serial No. 605,837. Published July 17, 1951. Class 18.

550,025. Textile Oils for Dyeing and Scouring. Soluol Chemical Co., Inc., Natick, R. I.
Filed Nov. 4, 1950, Serial No. 605,924. Published July 31, 1951. Class 6.

550,026. Textile Finishing Agents in Liquid or Paste Form. Soluol Chemical Co., Inc., Natick, R. I.
Filed Nov. 4, 1950, Serial No. 605,925. Published July 31, 1951. Class 6.

550,027. Anti-Freeze Solution. Lac Chemicals, Inc., Culver City, Calif.
Filed Nov. 6, 1950, Serial No. 605,960. Published Aug. 7, 1951. Class 6.

550,028. Greeting Cards. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,117. Published July 24, 1951. Class 38.

550,029. Toy Imitation Leather Holsters and Toy Imitation Leather Cuffs. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,121. Published July 10, 1951. Class 22.

550,030. Toy Gun, Complete With Batteries and a Bulb Designed To Project Lengths of Film Strip. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,125. Published July 10, 1951. Class 22.

550,031. Anti-Freeze Liquid for Automobile Cooling Systems. Central States Oil Co., doing business as Imperial Refineries, Clayton, Mo.
Filed Nov. 10, 1950, Serial No. 606,207. Published Aug. 7, 1951. Class 6.

550,032. Convertible Electric Attachment Plugs and Plug Caps. Harvey Hubbell, Incorporated, Bridgeport, Conn.
Filed Nov. 10, 1950, Serial No. 606,217. Published July 24, 1951. Class 21.

550,033. Books. Random House, Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,323. Published July 24, 1951. Class 38.

550,034. Children's Educational Books and Pamphlets. Scott, Foresman and Company, Chicago, Ill.
Filed Nov. 13, 1950, Serial No. 606,332. Published July 24, 1951. Class 38.

550,035. Children's Educational Books and Pamphlets. Scott, Foresman and Company, Chicago, Ill.
Filed Nov. 13, 1950, Serial No. 606,333. Published July 24, 1951. Class 38.

550,036. Comic Drawings, Published in Daily Newspapers. United Feature Syndicate, Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,344. Published July 24, 1951. Class 38.

550,037. Periodical Publication Published Monthly. Hillman Periodicals, Inc., New York, N. Y.
Filed Nov. 15, 1950, Serial No. 606,427. Published July 24, 1951. Class 38.

550,038. Baby Buggy Bodies. Hawley Products Company, St. Charles, Ill.
Filed Nov. 18, 1950, Serial No. 606,609. Published July 17, 1951. Class 19.

550,039. Merchandise Purchasing Stamps. Panhandle Publishing Company, Inc., Amarillo, Tex.
Filed Nov. 20, 1950, Serial No. 606,673. Published July 24, 1951. Class 38.

550,040. Sedative Preparation in Tablet Form. Harrison Products, Inc., San Francisco, Calif.
Filed Nov. 27, 1950, Serial No. 606,974. Published July 17, 1951. Class 18.

550,041. Entraining Agent To Be Mixed With Portland Cement. L. Sonneborn Sons, Inc., New York, N. Y.
Filed Nov. 28, 1950, Serial No. 607,051. Published July 3, 1951. Class 12.

550,042. Electrical Apparatus—Namely, Radio Receiving and Transmitting Sets, Etc. Olson Radio Warehouse, Inc., Akron, Ohio.
Filed Nov. 30, 1950, Serial No. 607,136. Published July 31, 1951. Class 21.

550,043. Ladies' Dresses and Suits. Meti, Inc., Chicago, Ill.
Filed Dec. 1, 1950, Serial No. 607,181. Published July 24, 1951. Class 39.

550,044. Stationary Mechanical Exercisers of an Oscillating-Reciprocating Type Simulating the Movement of the Body of a Trotting Horse. Memphis Metal Mfg. Co., Inc., Memphis, Tenn.
Filed Dec. 8, 1950, Serial No. 607,438. Published July 10, 1951. Class 22.

550,045. Skylight Units. Wasco Flashing Co., Cambridge, Mass.
Filed Dec. 8, 1950, Serial No. 607,464. Published July 10, 1951. Class 12.

550,046. Nasal Drops for Temporary Relief of Congestion of the Mucous Membranes of the Nose Common to Head Colds. Alcon Laboratories, Inc., Fort Worth, Tex.
Filed Dec. 14, 1950, Serial No. 607,655. Published July 17, 1951. Class 18.

550,047. Brassières. Delightform Foundations, Inc., Easton, Pa.
Filed Dec. 14, 1950, Serial No. 607,661. Published July 24, 1951. Class 39.

550,048. Dry Cell Batteries, Dry Cell Batteries for Flashlights, and Flash Lights and Casings Therefor. Ray-O-Vac Company, Madison, Wis.
Filed Dec. 15, 1950, Serial No. 607,721. Published July 31, 1951. Class 21.

550,049. Sterling Silver Hollow Tableware. Oneida Ltd., Sherrill and Oneida, N. Y.
Filed Dec. 16, 1950, Serial No. 607,760. Published July 3, 1951. Class 28.

550,050. Electric Beverage Mixer. Landers, Frary & Clark, New Britain, Conn.
Filed Dec. 19, 1950, Serial No. 607,861. Published July 31, 1951. Class 21.

550,051. Combination Radio-Phonographs. Michaels & Co., Inc., Brooklyn, N. Y.
Filed Dec. 19, 1950, Serial No. 607,863. Published July 24, 1951. Class 21.

550,052. Threads for Sewing and Handwork. J. & P. Coats (R. I.) Inc., Pawtucket, R. I.
Filed Dec. 21, 1950, Serial No. 607,957. Published July 24, 1951. Class 43.

550,053. Thread and Yarn. J. & P. Coats (R. I.) Inc., Pawtucket, R. I.
Filed Dec. 23, 1950, Serial No. 608,037. Published July 24, 1951. Class 43.

550,054. Electrically Operated Dictating Machines for Office and General Purpose Use. Permoflux Corporation, Chicago, Ill.
Filed Jan. 4, 1951, Serial No. 608,377. Published July 24, 1951. Class 21.

550,055. Electric Elevators and Parts Therefor. General Elevator Company, Inc., Baltimore, Md.
Filed Jan. 10, 1951, Serial No. 608,603. Published July 31, 1951. Class 21.

550,056. Electrical Appliances—Namely, Automatic Pop-Up Toasters, Water Heaters, Coffee Makers, Waffle Bakers, Flatirons, and Food Heating Containers. McGraw Electric Company, Elgin, Ill.
Filed Jan. 29, 1951, Serial No. 609,370. Published July 24, 1951. Class 21.

550,057. Electrical Wires. Essex Wire Corporation, Detroit, Mich.
Filed Jan. 31, 1951, Serial No. 609,439. Published July 24, 1951. Class 21.

550,058. Separator Plates for Storage Batteries. Dewey and Almy Chemical Company, Cambridge, Mass.
Filed Feb. 6, 1951, Serial No. 609,677. Published July 31, 1951. Class 21.

Service Marks

550,059. Furnishing of General and Detailed Scientific and Technical Data and Information to Other Companies, Etc. Nuodex Products Co., Inc., Elizabeth, N. J.
Filed May 27, 1948, Serial No. 557,948. Published July 24, 1951. Class 101.

550,060. Repairing and Retreading of Pneumatic Tires for Automotive Vehicles. The General Tire & Rubber Company, Akron, Ohio.
Filed June 10, 1949, Serial No. 580,239. Published July 31, 1951. Class 103.

550,061. Bookbinding—Namely, Edition, Plastic, and Pamphlet Binding; and Step Indexing. Joseph Gettler, doing business as John M. Gettler, Bookbinder, New York, N. Y.
Filed July 1, 1949, Serial No. 581,416. Published July 31, 1951. Class 106.

550,062. Hostelry Service—Namely, the Lodging of Guests and the Provision of Restaurant Services. Philip O. Shrack, doing business as The Beam Association of America, Atchison, Kans.
Filed July 13, 1949, Serial No. 581,909. CERTIFICATION MARK. Published July 31, 1951. Class 100.

550,063. Gift Wrapping Service. Cris-Louise, Bristol, Tenn.
Filed Mar. 17, 1950, Serial No. 594,103. Published July 24, 1951. Class 100.

Certification Marks

550,064. Flower and Vegetable Seeds. All-America Selections, Harrisburg, Pa.
Filed Aug. 31, 1949, Serial No. 584,259. Published July 3, 1951. Class 1.

550,065. Thoroughbred Horses. Thoroughbred Racing Protective Bureau, Inc., New York, N. Y.
Filed Apr. 13, 1950, Serial No. 595,693. Published July 3, 1951. Class 1.

Collective Marks

550,066. Weekly and Monthly Local and State Labor Papers, as Well as Monthly Magazines of International Labor Organizations. International Labor Press of America, Newark, N. J.
Filed Sept. 1, 1950, Serial No. 603,062. Published July 24, 1951. Class 38.

550,067. Gas Fired Water Heaters. Gas Appliance Manufacturers Association, New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,290. Published July 17, 1951. Class 34.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

550,068. (Class 16. Paints and Painters' Materials.) W & W Auto Finishes, Inc., Boston, Mass. Original filed, act of 1905, Nov. 20, 1945; amended to application under act of 1946, Supplemental Register, May 27, 1948, Serial No. 491,938.

AUT-O-COTE

For Resinous Plastic Coating for Use on Automobiles, Buses and Trucks.
Claims use since Oct. 1, 1945.

550,069. (Class 46. Foods and Ingredients of Foods.) Southland Coffee Company, Atlanta, Ga. Original filed, act of 1905, Dec. 26, 1946; amended to application under act of 1946, Principal Register, Aug. 19, 1947; amended to Supplemental Register, June 8, 1951, Serial No. 514,855.

LEAVES NO GROUNDS FOR COMPLAINT

For Coffee.
Claims use since 1938.

550,070. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Ross Daniels, Inc., Des Moines, Iowa. Original filed, act of 1905, Jan. 16, 1947; amended to application under act of 1946, Supplemental Register, July 26, 1948, Serial No. 515,821.

ROSS ROOT FEEDER

For Plant Watering and Fertilising Devices—Namely, a Ground-Inserting Nozzle, a Plastic Cartridge Chamber and a Hose Connection Relatively Arranged and Constructed so That the Water Flows Through the Chamber Prior to Its Passage Through the Nozzle, and Designed for the Sub-Surface Watering and Fertilising of Plant Roots When the Nozzle Is Inserted in the Ground and a Water Soluble Fertilizer or Plant Food Is Placed in the Cartridge Chamber.
Claims use since Dec. 21, 1946.

550,071. (Class 46. Foods and Ingredients of Foods.) Kitchen Art Foods, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Aug. 26, 1947; amended to application, Supplemental Register, May 13, 1949, Serial No. 532,461.

RICE FEAST

The word "Rice" is disclaimed.
For Dry Mix Containing Rice and Seasoning Ingredients in Dry Form Useful in the Preparation of Various Food Dishes Containing Rice.
Claims use since Feb. 8, 1940.

550,072. (Class 46. Foods and Ingredients of Foods.) The Price-Wilhoite Company, Frederick, Md. Original filed, act of 1946, Principal Register, Oct. 29, 1947; amended to application, Supplemental Register, Oct. 13, 1950, Serial No. 539,437.

CHOC. YU LIK EM

Applicant claims ownership of Registration No. 208,334.
For Sandwiches, Consisting of Chocolate Covered Graham Crackers With Peanut Butter.
Claims use since Oct. 12, 1923.

550,073. (Class 46. Foods and Ingredients of Foods.) Henry and Henry, Inc., Buffalo, N. Y. Original filed, act of 1946, Principal Register, Nov. 19, 1947; amended to application, Supplemental Register, June 1, 1951, Serial No. 541,676.

TWOFOLD

For Chocolate Syrup.
Claims use since December 1943.

550,074. (Class 46. Foods and Ingredients of Foods.) Pillsbury Mills, Inc., Minneapolis, Minn. Original filed, act of 1946, Principal Register, Jan. 2, 1948; amended to application, Supplemental Register, Jan. 23, 1951, Serial No. 546,029.

ROMA

Applicant claims ownership of Registration No. 172,495.
For Semolina.
Claims use since Feb. 2, 1922.

550,075. (Class 46. Foods and Ingredients of Foods.) Wichita Flour Mills Company, doing business as The Willis Norton Co., Wichita, Kans. Original filed, act of 1946, Principal Register, Nov. 13, 1947; amended to application, Supplemental Register, Sept. 25, 1950, Serial No. 549,354.



The drawing is lined for blue, green and yellow. Applicant claims ownership of Registration No. 142,310.
For Wheat Flour.
Claims use since May 8, 1920.

550,076. (Class 46. Foods and Ingredients of Foods.) Charles R. Luger, doing business as The Holiday Food Company, Kansas City, Mo. Original filed, act of 1946, Principal Register, Feb. 13, 1948; amended to application, Supplemental Register, July 5, 1951, Serial No. 549,643.

Sto Away

For Frozen Parker House Rolls.
Claims use since Dec. 11, 1946.

550,077. (Class 46. Foods and Ingredients of Foods.) Firestone & Company, Inc., Troutville, Va., assignee of Firestone & Company. Original filed, act of 1946, Principal Register, June 3, 1948; amended to application, Supplemental Register, Aug. 15, 1951, Serial No. 558,386.

Tenderfed

For Dressed Poultry—Namely, Chickens and Turkeys.
Claims use since Mar. 1, 1948.

550,078. (Class 46. Foods and Ingredients of Foods.) William E. McIntosh, Geneva, N. Y. Original filed, act of 1946, Principal Register, Aug. 3, 1948; amended to application, Supplemental Register, Feb. 24, 1950, Serial No. 562,718.

PY-SQUARES

For Frozen Ready-To-Bake Pies.
Claims use since May 21, 1948.

550,079. (Class 2. Receptacles.) Morris L. Duskin, doing business as Century Specialty Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Nov. 20, 1948; amended to application, Supplemental Register, May 31, 1951, Serial No. 569,123.

HAMPERETTE

For Fabric Laundry Bags.
Claims use since Nov. 4, 1948.

550,080. (Class 46. Foods and Ingredients of Foods.) James A. Orrell, doing business as Evergood Food Manufacturers and Orrell's Food Products, Oakland, Calif. Original filed, act of 1946, Principal Register, Jan. 24, 1949; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 572,680.

Evergood

For Mayonnaise Dressing, French Dressing, Thousand Island Dressing, Old Fashioned Salad Dressing, Imitation Maple Syrup, Flavoring Extracts for Foods, Tartar Sauce, Sweet Relish Composed of Cucumbers, Cauliflower, Peppers, Vinegar, Sugar and Spices, and Sandwich Spread Composed of Salad Oil, Sweet Relish, Chopped Ripe Olives, Fresh Eggs, Sugar, Salt, Pimientos and Spices.
Claims use since 1922.

550,081. (Class 46. Foods and Ingredients of Foods.) Conte & Sons Packing Co., Perkasie, Pa. Original filed, act of 1946, Principal Register, Feb. 9, 1949; amended to application, Supplemental Register, Aug. 9, 1951, Serial No. 573,529.



The stippling shown on the drawing represents shading. The pictorial representation in the drawing is fanciful.
For Pizza Sauce.
Claims use since July 29, 1948.

550,082. (Class 46. Foods and Ingredients of Foods.) Thomas Carvel, New York, N. Y. Original filed, act of 1946, Principal Register, Mar. 24, 1949; amended to application, Supplemental Register, Apr. 1, 1950, Serial No. 575,969.



For Frozen Custards, Ice Creams and Ices.
Claims use since Jan. 2, 1948.

550,083. (Class 46. Foods and Ingredients of Foods.) Baltimore Markets, Incorporated, Philadelphia, Pa. Original filed, act of 1946, Principal Register, Apr. 28, 1949; amended to application, Supplemental Register, June 12, 1951, Serial No. 577,857.

Teach Your Dollars More Cents

For Packaged Fresh Deciduous Fruits and Vegetables, Canned Fruits, Canned Vegetables, Canned Fruit Juices, Canned Vegetable Juices, Fruit Preserves, Packaged Flour and Packaged Bread.
Claims use since 1929.

550,084. (Class 26. Measuring and Scientific Appliances.) The S. E. Hyman Company, Fremont, Ohio. Original filed, act of 1946, Principal Register, Aug. 23, 1949; amended to application, Supplemental Register, June 19, 1951, Serial No. 583,873.

HYMAN'S Seat Cover Selector

For Seat Cover Selectors, Viz., Slide Charts for Determining the Correct Classification Indicia of Seat Covers for Respective Different Types and Makes of Automobiles.
Claims use since Apr. 11, 1949.

550,085. (Class 46. Foods and Ingredients of Foods.) Jer-Zee, Inc., Kenton and Marion, Ohio, assignee of Castor & Heffelfinger. Original filed, act of 1946, Principal Register, Sept. 17, 1949; amended to application, Supplemental Register, June 30, 1950, Serial No. 584,970.

JER-ZEE

For Frozen Confection, in the Nature of an Ice Cream.
Claims use since June 23, 1949.

550,086. (Class 46. Foods and Ingredients of Foods.) Florence Mosley, Fort Worth, Tex. Original filed, act of 1946, Principal Register, Dec. 15, 1949; amended to application, Supplemental Register, Dec. 30, 1950, Serial No. 589,388.

Mosley's

For Hot Roll Mix and Pie Crust Mix.
Claims use since Dec. 6, 1949.

550,087. (Class 46. Foods and Ingredients of Foods.) Josie P. Tucker, trading and doing business as Virginia Jo's, Ashland, Ky. Original filed, act of 1946, Principal Register, Feb. 10, 1950; amended to application, Supplemental Register, Feb. 2, 1951, Serial No. 592,289.

Kentucky Treat

For Candy.
Claims use since December 1949.

550,088. (Class 2. Receptacles.) Bridgeport Moulded Products, Inc., Fairfield, Conn. Original filed, act of 1946, Principal Register, Mar. 18, 1950; amended to application, Supplemental Register, Nov. 16, 1950, Serial No. 594,192.

SPACE-SAVER

For Container Sets for Food Storage in Refrigerator or Pantry, Formed of Moulded Plastic Material, and Each Set Consisting of a Plurality of Covered Containers Fitted in a Tray.
Claims use since Sept. 24, 1948.

550,089. (Class 46. Foods and Ingredients of Foods.) Chunk-E-Nut Products Company, Inc., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Mar. 22, 1950; amended to application, Supplemental Register, Mar. 19, 1951, Serial No. 594,360.

KASH-U-NUT

For Nut Butter Made From Cashews and Peanuts.
Claims use since Mar. 15, 1950.

550,090. (Class 46. Foods and Ingredients of Foods.) The Kroger Co., Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Mar. 22, 1950; amended to application, Supplemental Register, May 31, 1951, Serial No. 594,385.



The drawing is lined for yellow.
For Fresh Bakery Goods—Namely, Bread and Cookies.
Claims use since Mar. 16, 1950.

550,091. (Class 46. Foods and Ingredients of Foods.) La Prade's Fishing Camp, Clarkesville, Ga. Original filed, act of 1946, Principal Register, Mar. 28, 1950; amended to application, Supplemental Register, June 13, 1951, Serial No. 594,794.



For Onion Relish.
Claims use since May 10, 1949.

550,092. (Class 46. Foods and Ingredients of Foods.) The Wander Company, Chicago, Ill. Original filed, act of 1946, Principal Register, Apr. 26, 1950; amended to application, Supplemental Register, May 9, 1951, Serial No. 596,370.

STABOL

For Canned Cream.
Claims use since Apr. 19, 1950.

550,093. (Class 6. Chemicals and Chemical Compositions.) Rehels Company, Inc., Berkeley Heights, N. J. Original filed, act of 1946, Principal Register, May 11, 1950; amended to application, Supplemental Register, June 19, 1951, Serial No. 597,293.

Rehels

For Basic Aluminum Chloride.
Claims use since Feb. 10, 1950.

550,094. (Class 22. Games, Toys, and Sporting Goods.) Harwood Sims Rowles, Johnstown, N. Y. Original filed, act of 1946, Principal Register, May 29, 1950; amended to application, Supplemental Register, Apr. 17, 1951, Serial No. 598,323.

SNUGRIP

For Sporting Gloves Specially Designed for Use by Golf Players, Horseback Riders, and Users of Firearms.
Claims use since Feb. 2, 1950.

550,095. (Class 46. Foods and Ingredients of Foods.) Hachmeister-Inc., Pittsburgh, Pa. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, Aug. 1, 1951, Serial No. 598,468.

HACHMEISTER

For Dry Mixes and Concentrated Dry Mixes Used in the Baking Industry for Making Batters.
Claims use since July 21, 1949.

550,096. (Class 46. Foods and Ingredients of Foods.) Wading River Farms, Inc., Westhampton, N. Y. Original filed, act of 1946, Principal Register, Apr. 22, 1950; amended to application, Supplemental Register, May 25, 1951, Serial No. 599,406.

Kwik-chick

For Frozen Fried Chicken.
Claims use since Sept. 8, 1949.

550,097. (Class 21. Electrical Apparatus, Machines, and Supplies.) John Meck Industries, Inc., Plymouth, Ind. Original filed, act of 1946, Principal Register, June 24, 1950; amended to application, Supplemental Register, July 10, 1951, Serial No. 599,715.

MECK

For Electrical Apparatus—Namely, Record Players, Radio Receiving Sets, Combination Radio Receiving Sets and Record Players, Television Receiving Sets, Combination Radio Receiving Sets and Television Receiving Sets, and Combination Radio Receiving Sets, Television Receiving Sets and Record Players.
Claims use since June 1939.

550,098. (Class 46. Foods and Ingredients of Foods.) National Shortening and Oil Mfg. Corp., Newark, N. J. Original filed, act of 1946, Principal Register, July 8, 1950; amended to application, Supplemental Register, June 4, 1951, Serial No. 600,392.

FLAVABEST

For Vegetable Shortening.
Claims use since Jan. 11, 1950.

550,099. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Pangborn Corporation, Hagerstown, Md. Original filed, act of 1946, Principal Register, Aug. 1, 1950; amended to application, Supplemental Register, Jan. 18, 1951, Serial No. 601,558.

HYDRO-FINISH

For Abrading, Cleaning and Finishing Machines and Parts Thereof.
Claims use since July 14, 1948.

550,100. (Class 21. Electrical Apparatus, Machines, and Supplies.) Walter D. Olson, doing business as Ready-Mike Company, Piedmont, Calif. Original filed, act of 1946, Principal Register, Jan. 8, 1951; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 608,510.

ReadyMike

For Transmitter Head Set Assembly Composed of a Microphone.
Claims use since May 26, 1950.

550,101. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Edwin F. Peterson, Kewanee, Ill. Original filed, act of 1946, Principal Register, Jan. 8, 1951; amended to application, Supplemental Register, Aug. 6, 1951, Serial No. 608,512.

PROTEXABOX

For Smooth Stem Dowel Pin.
Claims use since Sept. 13, 1949.

Service Mark

550,102. (Class 106. Material Treatment.) A. Hollander & Son, Inc., Newark, N. J. Original filed, act of 1946, Principal Register, July 16, 1949; amended to application, Supplemental Register, Aug. 10, 1951, Serial No. 582,084.

"BRILLIANTIZED"

For Chemically Treating Furs To Increase the Luster Thereof.
Claims use since May 18, 1948.

TRADE-MARK REGISTRATIONS RENEWED

82,540. SAWACO. Registered July 4, 1911. Samuel Ward Company. Re-renewed July 4, 1951, to Samuel Ward Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Writing Papers and Envelops. Class 37.

82,541. WARDWOVE. Registered July 4, 1911. Samuel Ward Company. Re-renewed July 4, 1951, to Samuel Ward Manufacturing Company, Boston, Mass., a corporation of Massachusetts. Writing Papers and Envelops. Class 37.

82,889. RICHARD HUDNUT. Registered Aug. 1, 1911. Richard Hudnut, New York, N. Y., a corporation of New York. Re-renewed Aug. 1, 1951. Nail-Polish, Perfumes, Sachet-Powder, Tooth-Powder, Tincture of Benzoine, Etc. Class 51.

83,371. STARR. Registered Sept. 5, 1911. The Starr Piano Company. Re-renewed Sept. 5, 1951, to The Starr Piano Company, Inc., Richmond, Ind., a corporation of Indiana. Pianos, Either With or Without Automatic Player Mechanism. Class 36.

83,779. MANCHESTER. Registered Oct. 10, 1911. Standard Oil Co. of New York. Re-renewed Oct. 10, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Lubricating-Oils. Class 15.

83,780. N. Registered Oct. 10, 1911. Standard Oil Co. of New York. Re-renewed Oct. 10, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Lubricating-Oils. Class 15.

83,786. 900–907. Registered Oct. 10, 1911. Standard Oil Co. of New York. Re-renewed Oct. 10, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Lubricating-Oils. Class 15.

84,021. "PONY BOY SUITS" AND DRAWING. Registered Oct. 31, 1911. Merit Manufacturing Company. Re-renewed Oct. 31, 1951, to Merit Clothing Company, Mayfield, Ky., a corporation of Kentucky. Boys' Outer Suits, Coats, Vests, and Pants. Class 39.

84,224. TURTLE. Registered Nov. 21, 1911. Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 21, 1951. Metallic Belt-Fasteners. Class 13.

84,225. ALLIGATOR. Registered Nov. 21, 1911. Flexible Steel Lacing Company, Chicago, Ill., a corporation of Illinois. Re-renewed Nov. 21, 1951. Steel Belt-Lacing. Class 13.

84,233. ACHILLES. Registered Nov. 21, 1911. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Nov. 21, 1951. A Chemical Compound for Case-Hardening Iron and Steel. Class 6.

84,234. PEARLITE. Registered Nov. 21, 1911. E. F. Houghton & Co., Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Nov. 21, 1951. A Chemical Compound for Case-Hardening Iron and Steel. Class 6.

84,268. FFF. Registered Nov. 21, 1911. Standard Oil Co. of New York. Re-renewed Nov. 21, 1951, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York. Lubricating-Oils. Class 15.

84,547. "LOTUS" AND DRAWING. Registered Dec. 19, 1911. Stewart Citrus Association. Re-renewed Dec. 19, 1951, to Upland Citrus Association, Upland, Calif., a corporation of California. Oranges and Lemons. Class 46.

84,629. "LION BRAND" AND DRAWING. Registered Dec. 26, 1911. The Hills Brothers Company, New York, N. Y., a corporation of New York. Re-renewed Dec. 26, 1951. Figs. Class 46.

84,645. LA FAVORITA. Registered Dec. 26, 1911. The Lees Manufacturing Co., New York, N. Y., and Westport, Conn. Re-renewed Dec. 26, 1951, to The Lees Manufacturing Co., Westport, Conn., a corporation of Connecticut. Seine-Twines. Class 7.

249,574. MODECRAFT. Registered Nov. 20, 1928. National Department Stores Inc. Renewed Nov. 20, 1948, to Jack Kreiss, trading as Jack Kreiss Co., New York, N. Y. Ladies' Hosiery. Class 39.

281,621. PERMA-STONE. Registered Mar. 24, 1931. Edward J. Miller, doing business as The Perma-Stone Co., Long Beach, Calif. Renewed Mar. 24, 1951, to Edward J. Miller, doing business as Perma-Stone Company, Columbus, Ohio. Molds for Use in Building Constructions. Class 23.

284,013. FREEZOMINT. Registered June 9, 1931. La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme. Renewed June 9, 1951, to Cusenier (Societe Anonyme de la Grande Distillerie E. Cusenier Fils Ainé & Cie.), Paris, France, a corporation organized under the laws of the Republic of France. Nonalcoholic Cordial. Class 45.

284,575. "FLIT" ETC. AND REPRESENTATION OF SPRAYER LABEL LINED FOR RED, YELLOW AND BLACK. Registered July 7, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 7, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Hand and Portable Sprayers, Pumps, Squirt Guns, Atomizers, and Hand and Portable Containers, Etc. Class 23.

284,678. GETZUM. Registered July 7, 1931. Weed Destroyer Co., Inc., Aberdeen, Wash. Renewed July 7, 1951, to Newville F. Rea, Sumner, Wash. Liquid Used for Destroying Weeds. Class 6.

284,767. ROAD-MASTER. Registered July 7, 1931. The Falls Rubber Company, Cuyahoga Falls, Ohio. Renewed July 7, 1951, to The Falls Rubber Company, Findlay, Ohio, a corporation of Ohio. Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric and Inner Tubes Therefor. Class 35.

284,773. GETZUM THE WEED DESTROYER. Registered July 7, 1931. Weed Destroyer Co., Inc., Aberdeen, Wash. Renewed July 7, 1951, to Newville F. Rea, Sumner, Wash. Liquid for Destroying Weeds. Class 6.

284,938. "MISTOL" ETC., AND REPRESENTATION OF CARTON. Registered July 14, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 14, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Nose and Throat Spray. Class 18.

284,991. VALUE. Registered July 14, 1931. New England Fish Company, Seattle, Wash., a corporation of Maine. Renewed July 14, 1951. Canned Salmon. Class 46.

285,041. "MISTOL" ETC. AND REPRESENTATION OF LABEL. Registered July 14, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed July 14, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Nose and Throat Spray. Class 18.

285,285. ESSOLUBE. Registered July 21, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed July 21, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Refined, Semirefined, and Unrefined Oils Made From Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Substances, Etc. Class 15.

285,293. ESSOLENE. Registered July 21, 1931. Standard Oil Company of New Jersey, Wilmington, Del. Renewed July 21, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Refined, Semirefined, and Unrefined Oils Made From Petroleum Both With and Without Admixture of Animal, Vegetable, or Mineral Substances, Etc. Class 15.

285,395. DURO CHROME. Registered July 28, 1931. Duro Metal Products Co., Chicago, Ill., a corporation of Illinois. Renewed July 28, 1951. Automotive Tools—Namely, Socket Wrenches, Socket Wrench Kits Comprising Containers and Sets of Wrenches, Valve Reamers, and Valve Grinding Machines. Class 23.

285,434. IMMACULENE. Registered July 28, 1931. Fischer's Surfa-Saver, Inc. Renewed July 28, 1951, to Fischer Industries, Inc., Cincinnati, Ohio, an Ohio corporation. Soap—Namely, a Detergent for General Cleaning Purposes. Class 52.

285,501. "ZEROVIZ" ETC. Registered July 28, 1931. Grand Rapids Cabinet Company, Grand Rapids, Mich., a corporation of Michigan. Renewed July 28, 1951. Refrigerator Cabinets. Class 31.

285,676. "FLIT" ETC. AND REPRESENTATION OF CAN LABEL LINED FOR RED, YELLOW AND BLACK. Registered Aug. 4, 1931. Stanco Incorporated, Wilmington, Del., and New York, N. Y. Renewed Aug. 4, 1951, to Esso Standard Oil Company, New York, N. Y., a corporation of Delaware. Insecticides, Deodorants, and Disinfectants. Class 6.

285,968. "DELAMOTTE" ETC. AND DESIGN. Registered Aug. 11, 1931. Champagne Delamotte Pere & Fils (Societe à Responsabilité Limitée), Le Mesnil-sur-Oger (Marne), France, a corporation organized under the laws of the Republic of France. Renewed Aug. 11, 1951. Wines. Class 47.

286,898. LUTHERAN HERALD. Registered Sept. 8, 1931. Norwegian Lutheran Church of America. Renewed Sept. 8, 1951, to The Evangelical Lutheran Church, Minneapolis, Minn., a corporation of Minnesota. Periodical Publication. Class 38.

286,918. CUSENIER. Registered Sept. 8, 1931. La Grande Distillerie E. Cusenier Fils Aine & Cie., Societe Anonyme. Renewed Sept. 8, 1951, to Cusenier (Societe Anonyme de la Grande Distillerie E. Cusenier Fils Ainé & Cie.), Paris, France, a corporation organized under the laws of the Republic of France. Non-Alcoholic, Malt-less Beverages Sold as Soft Drinks and Syrups for Making the Same. Class 45.

287,385. "ALCOL" AND DRAWING. Registered Sept. 22, 1931. American Lecithin Corporation, Wilmington, Del., and Atlanta, Ga. Renewed Sept. 22, 1951, to American Lecithin Company, Atlanta, Ga., and Woodside, Long Island, N. Y., a corporation of Ohio. Phosphatide or Lecithin and Compositions Containing Same for Use in the Textile Industry—Namely, Compositions for Use as Spinning Oil, Carding Oil, Etc. Class 6.

287,439. LEAPS AHEAD. Registered Sept. 29, 1931. Lambert Marketing Co., Sacramento, Calif., a corporation of California. Renewed Sept. 29, 1951. Fresh Vegetables, Fresh Deciduous Fruits. Class 46.

287,816. "NOVO" ETC. AND DESIGN. Registered Oct. 13, 1931. Novo Engine Company, Lansing, Mich., a corporation of Michigan. Renewed Oct. 13, 1951. Pumps. Class 23.

288,545. KINGSCOURT. Registered Nov. 3, 1931. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 3, 1951. Men's and Boys' Dress and Negligee Shirts and Boys' and Children's Waists and Blouses. Class 39.

288,546. "McPHERSON" AND DRAWING. Registered Nov. 3, 1931. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 3, 1951. Men's and Boys' Dress and Negligee Shirts and Boys' and Children's Waists and Blouses. Class 39.

288,547. ROYALSPUN. Registered Nov. 3, 1931. Elder Manufacturing Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 3, 1951. Men's and Boys' Dress and Negligee Shirts, Boys' and Children's Waists and Blouses. Class 39.

288,568. SAMSON. Registered Nov. 3, 1931. Ramapo Ajax Corporation. Renewed Nov. 3, 1951, to American Brake Shoe Company, New York, N. Y., a corporation of Delaware. Rail Switches. Class 23.

288,623. HAMPDENDALE. Registered Nov. 3, 1931. Rosedale Knitting Co. Inc. Renewed Nov. 3, 1951, to Rosedale Knitting Company, Laureldale, Pa., a corporation of Pennsylvania. Hosiery. Class 39.

288,742. JU-C. Registered Nov. 3, 1931. Z. Asamen, Brawley, Calif. Renewed Nov. 3, 1951, to Asamen Brothers, Westmorland, Calif., a partnership. Fresh Cantaloupes. Class 46.

289,071. GOLD-PAN. Registered Nov. 17, 1931. Simons & French Company, Inc., New York, N. Y. Renewed Nov. 17, 1951, to Simons & French Company, Incorporated, Sacramento, Calif., and New York, N. Y., a corporation of New York. Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrus Fruits. Class 46.

289,151. "DUREVER" ETC. AND DESIGN. Registered Nov. 17, 1931. Falconer Plate Glass Corporation, Falconer, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Mirrors. Class 32.

289,189. "LIBERTY BELL" AND DRAWING. Registered Nov. 24, 1931. Gentile Bros. Company, Orlando, Fla., a corporation of Ohio. Renewed Nov. 24, 1951. Fresh Fruits—Namely, Oranges, Lemons, Etc. Class 46.

289,301. PEDIGREE. Registered Nov. 24, 1931. The P. D. George Company, St. Louis, Mo., a corporation of Delaware. Renewed Nov. 24, 1951. Paints in Dry, Paste, or Ready-Mixed Form; Etc. Class 16.

289,408. SUPERCALE. Registered Nov. 24, 1931. Wamsutta Mills, New Bedford, Mass., a corporation of Massachusetts. Renewed Nov. 24, 1951. Cotton Piece Goods, Pillow Cases, and Sheets. Class 42.

289,556. MIRISHAH. Registered Dec. 1, 1931. Hugh Nelson-Columbia Carpet Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Dec. 1, 1951. Textile Rugs and Carpets. Class 42.

289,610. "SEAMPRUFE." Registered Dec. 1, 1931. Aronson-Caplin Company, Inc. Renewed Dec. 1, 1951, to Seamprufe Incorporated, New York, N. Y., a corporation of New York. Women's Apparel Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step Ins, Panties. Class 39.

289,638. PAMELA. Registered Dec. 1, 1931. Stern Brothers, New York, N. Y., a corporation of New York. Renewed Dec. 1, 1951. Liquid Antiseptics and Disinfectants, Bath Salts, Hair Bleach; Cosmetics—Namely, Face Powder, Etc. Class 51.

289,863. BLUE PLATE. Registered Dec. 8, 1931. Blue Plate Foods Inc., New Orleans, La., a corporation of Louisiana. Renewed Dec. 8, 1951. India Relish, French Dressing, Thousand Island Dressing, Etc. Class 46.

289,929. HANDY ANDY. Registered Dec. 15, 1931. J. A. Sexauer Mfg. Co., Inc., New York, N. Y., a corporation of New York. Renewed Dec. 15, 1951. Seat Cover and Door Stop Cushions, Screws, Nuts, Bolts, Bolt Heads, Etc. Class 13.

289,953. NOPEEK. Registered Dec. 15, 1931. Federal Envelope Manufacturing Co. Renewed Dec. 15, 1951, to Carpenter Paper Company, Omaha, Nebr., a corporation of Delaware. Correspondence and Mailing Envelopes. Class 37.

290,018. DORVAL. Registered Dec. 22, 1931. Mifflin Chemical Corporation. Renewed Dec. 22, 1951, to Mifflin Chemical Company, Philadelphia, Pa., a corporation of Pennsylvania. Cream Deodorant. Class 51.

290,117. REFRESHO. Registered Dec. 22, 1931. The Popsicle Corporation of the United States. Renewed Dec. 22, 1951, to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware. Frozen Confectionery. Class 46.

290,181. SANDROMETER. Registered Dec. 22, 1931. Gunite Concrete and Construction Company, Kansas City, Mo., a corporation of Missouri. Renewed Dec. 22, 1951. Graduated Measuring Receptacle. Class 26.

290,213. "ASTHMEX" AND DESIGN. Registered Dec. 22, 1931. The D & L Pharmacal Company, Cleveland Heights, Ohio, a corporation of Ohio. Renewed Dec. 22, 1951. Medicinal Preparation for the Treatment of Hay-Fever, Asthma, Rose Fever, Head Colds, and Sinus Infections. Class 18.

290,237. "DR. LOCKSMITH" ETC. AND DRAWING. Registered Dec. 22, 1931. Charles L. Haber. Renewed Dec. 22, 1951, to Bridge Hardware Co., Inc., New York, N. Y., a corporation of New York. Locks and Keys. Class 25.

290,288. "BUFFALO" ETC. AND DRAWING. Registered Dec. 29, 1931. Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York. Renewed Dec. 29, 1951. Bolts, Nuts, Screws, Nails, and Rivets. Class 13.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

259,154. SEA HORSE. Registered July 23, 1929. Johnson Motor Company, Waukegan, Ill. Outboard Motors. Class 23. Corrected as follows: In the renewal certificate, line 2, "and" should be *4*.

521,322. PADDY. Registered Feb. 21, 1950. J. Curry Mendes, Boston, Mass. Collating and Tipping Machines Otherwise Known as Interleaving Machines Adapted To Place Spot Gums on Paper and Carbon Paper for the Manufacturers of One-Time Carbon Forms. Class 23. Corrected as follows: In the statement, column 2, lines 1 and 4, "1949" should be *1941*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

289,927. ZOO. Registered Dec. 15, 1931. Renewed as of Dec. 15, 1951. McLaren-Consolidated Cone Corporation. Bakery Products—Namely, Ice Cream Cones. Class 46. New certificate under section 7(c) issued Oct. 23, 1951, to National Biscuit Company, New York, N. Y., a corporation of New Jersey.

532,347. ICE DREAM. Registered Oct. 24, 1950. The Brittain Products Company. Prepared Mixes for Ice Creams, Frozen Custards and Ices Made From Milk, Etc. Class 46. New certificate under section 7(c) issued Oct. 23, 1951, to Hines-Park Foods, Inc., Ithaca, N. Y., a corporation of New York.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 327,014. Registered Aug. 13, 1935. United States Whip Company (doing business as U. S. Line Company), Westfield, Mass., a corporation of Maine. Republished by registrant.

FORTUNA

For Fishing Lines.
Claims use since July 22, 1932.

Reg. No. 327,016. Registered Aug. 13, 1935. United States Whip Company (doing business as U. S. Line Company), Westfield, Mass., a corporation of Maine. Republished by registrant.

MASCOT

For Fishing Lines.
Claims use since Mar. 3, 1925.

Reg. No. 329,196. Registered Oct. 22, 1935. United States Whip Company (doing business as U. S. Line Company), Westfield, Mass., a corporation of Maine. Republished by registrant.



The words "True Taper" are disclaimed apart from the mark as shown.
For Fishing Lines.
Claims use since Oct. 11, 1934.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 284,948. Registered July 14, 1931. Eastman Kodak Company, Rochester, N. Y. Republished by Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey.

VERICHROME

For Photographic Film.
Claims use since Feb. 19, 1931.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 284,802. Registered July 7, 1931. Veterinary Magazine Corporation, Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Kansas City, Mo.

VETERINARY MEDICINE

For Periodical.
Claims use since Jan. 1, 1921.

CLASS 39

CLOTHING

Reg. No. 97,041. Registered May 19, 1914. Coes and Young Company, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

JOY WALKERS

For Leather and Canvas Boots, Shoes, and Slippers, and Canvas Shoes With Rubber Soles.
Claims use since Nov. 15, 1913.

Reg. No. 144,411. Registered July 5, 1921. Hall Hartwell & Co., Troy, N. Y. Republished by The Shirtcraft Company, Inc., New York, N. Y., a corporation of New York.

SHIRTCRAFT

For Dress, Negligee, and Work Shirts Made of Woven Fabrics.
Claims use since about Mar. 1, 1917.

Reg. No. 355,095. Registered Mar. 8, 1938. Slote & Klein, Inc., New York, N. Y. Republished by Slote & Klein, Inc., Jersey City, N. J., a corporation of New Jersey.

Criterion

For Belts Made of Leather, Fabric, and Metal for Men, Women, and Children.
Claims use since Feb. 1, 1931.

Reg. No. 403,460. Registered Sept. 28, 1943. Kanner-Wald Inc., South Norwalk, Conn. Republished by Joseph Kanner Hat Co., Inc., South Norwalk, Conn., a corporation of Connecticut.

Henley Club

The word "Henley" is disclaimed apart from the mark as shown.
For Men's Hats.
Claims use since Feb. 1, 1939.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 195,323. Registered Feb. 24, 1925. A. Bologna & Company, New Orleans, La. Republished by Uddo & Taormina Company, New York, N. Y., a firm.



The words "Marca," "Extra Fine," and "Olive Oil" are disclaimed.
For Olive Oil.
Claims use since Jan. 1, 1915.

Reg. No. 337,122. Registered July 28, 1936. Zwecker & Lehr, Inc., New York, N. Y. Republished by Delca Fish Preservators, Inc., Brooklyn, N. Y., a corporation of New York.



The representation of the fish is disclaimed apart from the mark as shown.
For Goffel-Bitters, Kind of Spiced Herring, Marinated, Imported and Domesticated Herring, Canned Anchovies, and Pickled Sprats.
Claims use since Nov. 1, 1934.

Reg. No. 377,918. Registered May 21, 1940. Delca Fish Preservators, Inc., Brooklyn, N. Y., a corporation of New York. Republished by registrant.



The representation of the fish is disclaimed apart from the mark as shown.
For Canned Pickled Herring.
Claims use since Jan. 15, 1939.

Reg. No. 393,073. Registered Jan. 27, 1942. Uddo Taormina Corp., Brooklyn and New York, N. Y. Republished by Uddo & Taormina Company, New York, N. Y., a firm.

TITINA

For Canned Peas.
Claims use since 1927.

Reg. No. 397,558. Registered Sept. 8, 1942. Uddo & Taormina Company, Brooklyn, N. Y., a firm. Republished by registrant, present address New York, N. Y.

LA PATRIA NOSTRA

For Canned Olive Oil.
Claims use since the year 1920.

Reg. No. 397,876. Registered Sept. 29, 1942. Uddo Taormina Corp., Brooklyn and New York, N. Y., assignor to Uddo & Taormina Company. Republished by Uddo & Taormina Company, New York, N. Y., a firm.

BANDIERA

For Olive Oil.
Claims use since 1925.

Reg. No. 440,039. Registered Aug. 10, 1948. Consolidated Products Company, Danville, Ill., a corporation of Nebraska. Republished by registrant.

KAFF-A

The letter "A" is disclaimed apart from the mark as shown.
For Buttermilk and Vitamin Feed for Starting and Growing Calves.
Claims use since Jan. 1, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 306,427. Registered Sept. 19, 1933. Peter Hand Company, doing business as Peter Hand Brewery Co., Chicago, Ill. Republished by Peter Hand Brewery Company, Chicago, Ill., a corporation of Illinois.

Meister Bräu

The word "Bräu" is disclaimed apart from the mark as shown.
For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since Dec. 29, 1903.

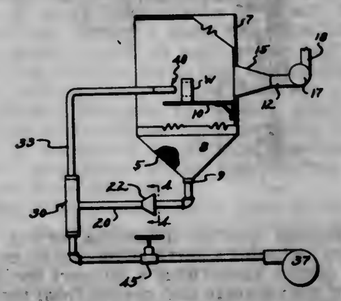
REISSUES

OCTOBER 23, 1951

23,422
CLEANING METHOD AND MATERIAL THEREFOR

Frank R. Perry, Los Angeles, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California

Original No. 2,421,806, dated June 10, 1947, Serial No. 530,983, April 14, 1944. Application for reissue January 25, 1951, Serial No. 207,679
11 Claims. (Cl. 51—282)



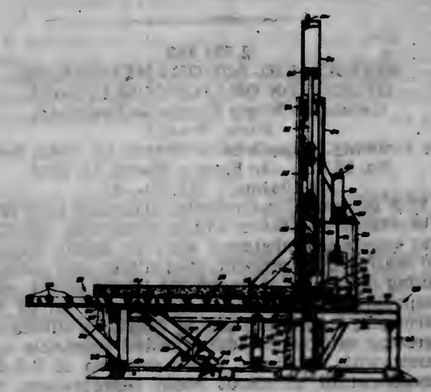
1. The method of cleaning metal articles which consists of projecting thereagainst a stream of fluid under pressure carrying, in suspension therein, pelletized nut shells having the hardness of black walnut shells.

23,423
MACHINE FOR MAKING COURSE HEIGHT STONE VENEER

Joseph Solomito, Bloomington, Ind.

Original No. 2,514,252, dated July 4, 1950, Serial No. 717,933, December 23, 1946. Application for reissue June 21, 1951, Serial No. 232,858
23 Claims. (Cl. 125—23)

20. A stone breaking machine comprising means for supporting a slab of stone including an elongated horizontal blade extending from side to side of said slab and engaging the lower surface of said slab on a line near one end of said slab, said slab being unsupported from the blade to said one end, and means including a



second elongated horizontal blade substantially coextensive and parallel with the first named blade for delivering to the upper surface of the slab a heavy blow on a line parallel with said first named line and located in a plane normal to said slab lower surface and slightly offset from said first named line.

PLANT PATENTS

GRANTED OCTOBER 23, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,045
ROSE PLANT

Gerrit de Ruiter, Hazerswoude, Netherlands, assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York

Application August 15, 1950, Serial No. 179,616
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the polyantha class, characterized as to novelty by its similarity in form and shape of the plant to its parent "Anne Mette Poulsen" (Pl. Pat. No. 182), by its double, long-lasting flowers which retain their shape and color for an unusually prolonged time, by the Rose Red lightly overcast with Spectrum Red color of its flowers, by the upright symmetrical habit of its flower bearing stems, and by its ease of culture as a pot plant for greenhouse forcing, substantially as shown and described.

PATENTS

GRANTED OCTOBER 23, 1951

2,571,902
POLYVINYL BUTYRAL PRODUCT
Robert E. Cairns, Springfield, Mass., assignor to Shawinigan Resins Corporation, Springfield, Mass., a corporation of Massachusetts
No Drawing. Application August 10, 1948, Serial No. 43,549
4 Claims. (Cl. 260—33.4)

1. A composition of matter comprising a colloidal suspension of finely divided polyvinyl butyral resin in ethylene glycol in which at least 95% of the resin particles are less than 100 microns in diameter.

2,571,903
NITRIC ACID-SODIUM HYDROXIDE DIGESTION OF LIGNOCELLULOSE
Germaine Marie Henriette Deserbay, Paris, France
No Drawing. Application March 16, 1948, Serial No. 15,271. In France March 19, 1945
4 Claims. (Cl. 92—9)

1. A process of manufacturing paper pulp from a vegetable substance which comprises digesting said vegetable substance with an agent consisting mainly of a concentrated nitric acid solution having a density of about 30° Bé. at about room temperature, removing substantially all of the nitric acid from the digested vegetable substance, digesting said nitric acid digested vegetable substance with a caustic alkali solution of 0.5–5% concentration at about room temperature, removing substantially all of the caustic alkali solution from the treated vegetable substance and recovering a paper pulp.

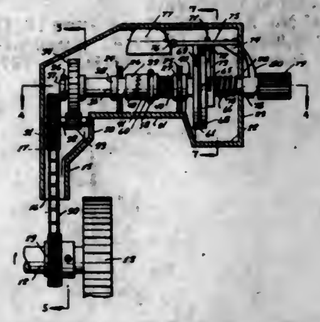
2,571,904
FURAN RESINS
Beaumont Thomas, Watertown, N. Y., assignor to Delrac Corporation, Watertown, N. Y.
No Drawing. Application April 26, 1951, Serial No. 223,141
8 Claims. (Cl. 260—67.5)

1. Method of forming a liquid furan resin comprising adding less than 4% of a mineral acid catalyst to a mixture comprising 60–75% of furfuryl alcohol and 25–40% of furfuraldehyde by volume, heating the mixture to initiate the reaction, quickly cooling the reaction mixture after a temperature within the range of 240° to 275° F. is reached to a temperature in the range of about 200° to 230° F. and holding the reaction mixture at such intermediate temperature until a viscous fluid mass is obtained, and then quenching the reaction by cooling to normal temperatures.

2,571,905
N,N'-DIACYL ARYL DISULFONAMIDES
David Adlesy, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application February 24, 1948, Serial No. 10,554
3 Claims. (Cl. 260—401)

1. N,N'-diacyl aryl disulfonamides in which the acyl groups correspond to the acyl groups of fatty acids containing from 8–18 carbon atoms.

2,571,906
BOTTOM MARGIN INDICATOR FOR TYPEWRITERS
James G. Allemann, Santa Ana, Calif.
Application December 30, 1949, Serial No. 136,993
3 Claims. (Cl. 197—189)

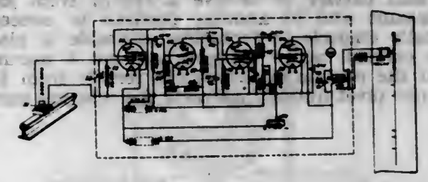


1. A bottom margin indicating device for a typewriter including a carriage having an end and a rotary platen, comprising a support secured to the end of the carriage and spaced from the platen, a first shaft section rotatably mounted upon the support and extending substantially parallel to the platen, gearing connecting the platen and first shaft section for driving the same, an intermediate shaft section rotatably mounted upon the support in axial alignment with the first shaft section, a cam secured to the intermediate shaft section for rotation therewith, a clutch device connecting the first and intermediate shaft sections so that they may be disengaged for relative rotation, an audible signal device mounted upon the support adjacent to the cam for engagement with the cam when the intermediate shaft section rotates for producing an audible signal, a second rotatable shaft section mounted upon the support in axial alignment with said first and intermediate shaft sections, clutch means connecting the intermediate and second shaft sections so that they may turn together or independently, a stop device secured to the second shaft section and adapted to engage the audible signal device when the second shaft section is turned to a starting position, and a knob secured to the second shaft section to facilitate turning it.

2,571,907
CATALYTIC REARRANGEMENT OF PINENE TO CAMPHENE
Herrick R. Arnold, Wilmington, and James E. Carnahan, New Castle, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 23, 1949, Serial No. 111,981
8 Claims. (Cl. 260—675.5)

1. A method of converting a pinene to camphene which comprises contacting said pinene with a molybdite of a metal whose ions are soluble in excess aqueous ammonia.

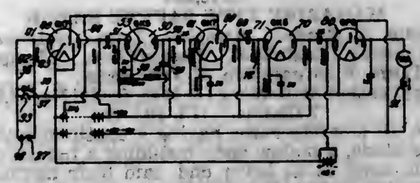
2,571,908
METHOD AND APPARATUS FOR DETECTING FLAWS IN RAIL OR THE LIKE
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Application October 30, 1946, Serial No. 706,596
21 Claims. (Cl. 175—183)



1. An apparatus for detecting flaws in rail which includes an inductive pickup moved relative to the rail, an amplifier fed by the inductive pickup and a recorder operated by the amplifier, the combination in said amplifier of at least two stages of amplification, one of which is characterized by having a steep amplification curve with a sharp cut-off at least at one end thereof and with a grid bias set so that the signals transmitted through the tube are distorted to reduce the relative strength of signals substantially matching in amplitude those received from rail joints as compared to signals of substantially smaller amplitude which characterize signals received from fissures.

8. The method of detecting flaws in rail which consists in setting up characteristic magnetic fields in the vicinity of fissures, passing an inductive pickup over the rail to be tested, sending the impulses received from the pickup as it traverses said characteristic magnetic fields through an amplifier to amplify said impulses, setting up in the amplifier a secondary wave as a derivative of the impulse received when the pickup passes through said magnetic field, and then utilizing said secondary wave in operating a recorder.

2,571,909
APPARATUS FOR DETECTING FLAWS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Continuation of application Serial No. 482,526, April 10, 1943. This application March 8, 1947, Serial No. 733,310
16 Claims. (Cl. 175—183)

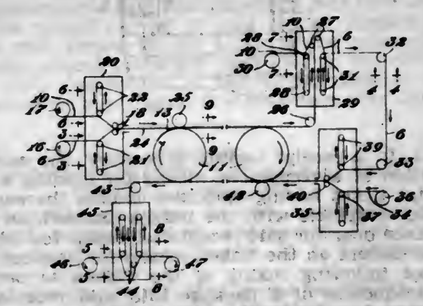


1. Flaw detecting apparatus including a pick-up unit adapted to be relatively moved along the body being tested and including a pair of coils connected in series-opposition on cores arranged in tandem within less than one half inch of each other longitudinally of the rail and adapted to have a voltage induced therein by passing through the magnetic field in the vicinity of a flaw and normally a lesser voltage induced therein by passing through the magnetic field in the vicinity of non-flaw defect, an amplifier associated with the pick-up unit including a device having a control element, said amplifier being responsive to peak voltage variations above a predetermined level applied to the control element even though the duration of the peak is as short as that resulting from a transverse fissure, and completely non-responsive to voltages below said level, circuit means setting said level at or about the maximum level of voltage waves of like polarity caused by superficial rail defects, and indicating means operated by said amplifier in response to impulses produced by fissures.

2,572,000
ADDITIVES FOR HYDROCARBON OILS
John D. Bartleson, East Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 31, 1948, Serial No. 68,721
15 Claims. (Cl. 252—46.7)

10. A concentrate suitable as an anti-oxidant and anti-sludge additive for mineral lubricating oils, comprising a mineral oil and a reaction product of ammonia with P_4X_2, wherein X stands for a member of the sulfur family, said reaction product being obtained by dispersing in the oil an amount up to about 50% of said phosphorus compound by weight of the oil and then blowing ammonia gas through the oil.

2,572,001
METHOD AND APPARATUS FOR TRANSFERRING PICTURE LAYERS FROM ONE FILM BASE TO ANOTHER
Charles D. Bennes, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine
Application January 3, 1949, Serial No. 68,925
25 Claims. (Cl. 154—98)

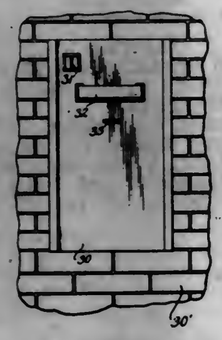


23. In the art of transferring a layer of picture-carrying medium from one cinematographic film base to another while the two bases are traveling in superposition on a carrier having a succession of register teeth which hold the bases in register by engagement in the sprocket holes of the film, the method which comprises bringing the films together in superposed contact with their sprocket holes substantially in register, feeding the superposed films along a rectilinear path from the point where the films are brought together to the point where the films meet the carrier, said rectilinear path being substantially tangential to the path of the carrier at the latter point, after the films reach said point supporting the films on the carrier in intimate contact with each other, while the two bases are traveling on the carrier in intimate contact with each other loosening the adhesive between the layer and original base and adhesively joining the outer face of the layer to the new base, and peeling the layer and original base apart.

2,572,002
PHOTOCHEMICAL FORMATION OF BENZENE HEXACHLORIDE
Leo Berl, Chattanooga, Tenn., assignor to Tennessee Products and Chemical Corporation, Chattanooga, Tenn., a corporation of Tennessee
No Drawing. Application July 11, 1950, Serial No. 173,247
5 Claims. (Cl. 204—163)

1. The process of forming benzenehexachloride in benzene solution, comprising reacting benzene and chlorine under irradiation by actinic light and in admixture with a nitrotoluene, the amount of the nitrotoluene being between about 0.001 to 0.3% of the benzene and the reaction being carried out at a temperature between about 30° to 65° C.

2,572,003
RECEIPT ISSUING NIGHT DEPOSITORY
Jack N. Binns and Thomas E. Dugle, Cincinnati, and Alvin F. Alt, Hamilton County, Ohio, assignors to The Mosler Safe Company, Hamilton, Ohio, a corporation of New York
Application October 14, 1949, Serial No. 121,416
19 Claims. (Cl. 346—22)



3. In a receipt issuing depository, the combination of a receptacle, means for holding a receipt ticket having embossed indicia thereon in said receptacle with the indicia exposed, an entrance door for said receptacle, means for inking the indicia on the ticket, means for opening the door following inking of the indicia to permit introduction of a package into said receptacle, means for closing the entrance door, means for bringing the package and the receipt together following closing of the entrance door, whereby the indicia are printed on the package, means for releasing the package from the receptacle, and means for issuing the receipt ticket after the package has been brought against the indicia.

2,572,004
RECORD GUIDE MECHANISM
Ortis C. Booher, Huntington, and Joseph M. Baxter, Fort Wayne, Ind., assignors to Farnsworth Research Corporation, a corporation of Delaware
Application March 26, 1949, Serial No. 83,626
3 Claims. (Cl. 274—10)

1. In combination with an automatic phonograph having a turntable, a record magazine adjacent said turntable adapted to support a stack of records, and means for transferring records from the magazine to the turntable comprising carrier in the form of a ring pivotally mounted relative to said turntable and magazine, said carrier having a planar record supporting surface disposed on one side of the pivotal point and means for defining the position of a record on said surface comprising an annular wall projecting upwardly from said surface, said record supporting surface being adapted in one position of said carrier to receive a record from said magazine and in another position to concentrically encircle the rotating turntable to place the carried record thereon in such a manner that the portion of the record remote from the carrier pivot initially contacts the rotating turn-

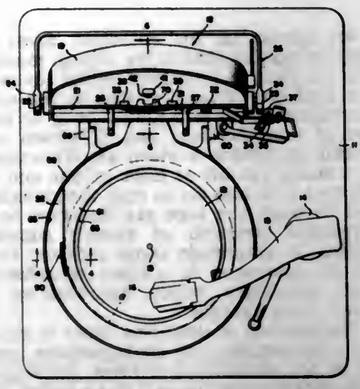
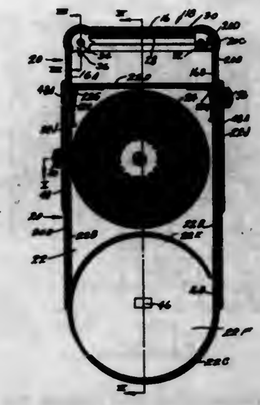


table whereby the record tends to climb said wall, means for preventing the record from climbing said wall comprising record guide member pivotally mounted in said carrier and adapted to project above the plane of the turntable from said surface and extending above said wall in its operative position when the carrier is in said other position to cooperate with said wall to prevent the record from climbing said wall, said guide being adapted to be retracted to an inoperative position, and cam means cooperating with said guide member for moving said guide member to its inoperative position upon a predetermined movement of said carrier.

2,572,005
MAGAZINE TYPE SAFETY RAZOR
Philip H. Borden, Memphis, Tenn., assignor to Central Industrial Corporation, Memphis, Tenn., a corporation of Tennessee
Application September 13, 1948, Serial No. 49,017
7 Claims. (Cl. 30—40)

1. In a safety razor having a continuous tape-like blade, a hollow body including a handle portion, open at its lower end, said body having at its upper end blade supporting and guarding parts for holding a blade length in cutting position; a replacement magazine externally shaped to conformably telescope within said handle portion, and means to releasably latch said magazine in place; said magazine being adapted to house and journal a coil of said blade and being conformed to receive used portions of said blade; blade shifting means carried by said body for engaging and drawing from said magazine for use successive lengths of blade, for advancing same into said cutting position, and subsequently into said magazine, said body and said magazine being slotted and positioned with said slots in register, and

said shifting means comprising a shifter reciprocably mounted in said registering slots and



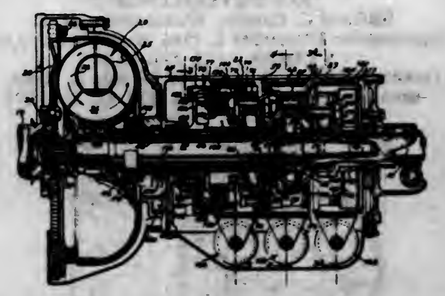
having a portion extending into engagement with the face of said tape-like blade.

2,572,006
FLEXIBLE HANDLE LARGE CAPACITY HORN
Harold J. Burke, New York, N. Y., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application February 3, 1949, Serial No. 74,349
2 Claims. (Cl. 169—11)



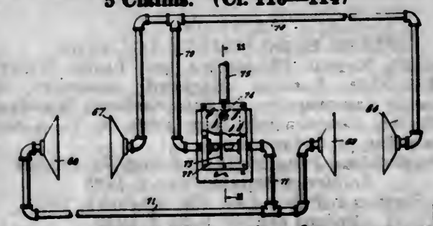
1. A large capacity discharge nozzle assembly for fire extinguishing fluid comprising a body member, a discharge shield having an inlet and an outlet and supported at its inlet end by the body member, a hand grip carrying handle for the shield positioned adjacent the inlet end of the shield, a squeeze grip valve member, a flexible hose member extending from the body member to the valve member and of a length such that the hand grip carrying handle may be pivotably held in one hand of an operator while the valve member is held in the other hand, and reinforcing means for the portion of the flexible member adapted to be held between the hands of the operator to cause the hose member to resist movement of the shield to the extent that when the assembly is held by the operator, the reinforced flexible member will maintain itself in any position in which it is placed to counterbalance the weight of the outlet end of the shield.

2,572,007
VARIABLE-SPEED AND TORQUE TRANSMISSION MECHANISM
Everett R. Burtnett, Inglewood, Calif., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 1, 1946, Serial No. 644,719
12 Claims. (Cl. 74—732)



1. A power transmitting system for interconnecting driving and driven shafts including, in combination, a pair of planetary gear units each including a sun gear, an internal gear, planet pinions, and a planet carrier, means fixedly securing the planet carrier of a first of said units to the driven shaft, means fixedly securing the planet carrier of the second of said units to the internal gear of said first unit, a three element hydrodynamic transmission unit having a driving element fixedly secured to the driving shaft, a driven element fixedly secured to the sun gear of said first planetary gear unit and a reaction element, means including a one-way clutch connecting said reaction element to the internal gear of said first planetary gear unit and to the planet carrier of said second planetary gear unit, means fixedly securing the sun gear of said second planetary gear unit to the driving shaft, and means for restraining rotation of the internal gear of said first planetary gear unit.

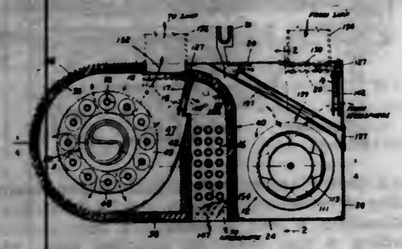
2,572,008
SMOKE DETECTOR AND SIGNAL FOR DIESEL LOCOMOTIVES
Clarence Noel Cahusac, Newark, and Donald A. Diehl, Arlington, N. J., assignors to C-O-Two Fire Equipment Co., Newark, N. J., a corporation of Delaware
Application June 5, 1946, Serial No. 674,522
5 Claims. (Cl. 116—114)



1. A smoke detecting system for use on a vehicle operative alternatively in the forward or in the reverse direction, the vehicle having at least one wheeled truck, the smoke detecting system comprising a smoke detector, a collector at each end of the truck and facing the truck, smoke passage means for connecting each of the smoke collectors to the smoke detector, and smoke passage obstructing means responsive to the movement of the vehicle and adapted to alternatively

close the smoke passage means from either collector depending upon the direction of movement of the vehicle and operative to close the passage of the collector facing rearwardly with respect to the direction of movement of the vehicle.

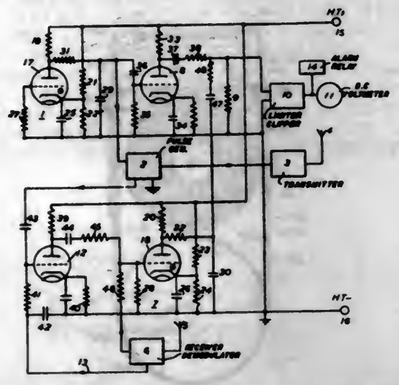
2,572,009
AIR DRYING UNIT
Clifford C. Carsen, Washington, D. C.
Application December 2, 1946, Serial No. 713,452
9 Claims. (Cl. 183—4.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine for removing water vapor from air having an adsorbing cycle and a regenerative cycle, a bed of desiccant material comprising concentrically arranged foraminous hollow cylinders having an annular space between them in which there is disposed a desiccant material, a plurality of impervious tubes in the annular space arranged parallel to the axis of the cylinders, the ends of which tubes terminate at the opposite ends of the cylinders, means including conduits and a fan for circulating a stream of the air to be treated through the apparatus, means including air passages connecting with said conduits for causing a portion of the air to pass through the annular wall of the desiccant material from the inner cylinder outwardly, and another part through the tubes to remove the heat added to said desiccant material by the dehumidifying action thereof, and motor operated valve means for closing the ends of the tubes during the regenerative cycle to cause all of the air circulated through the apparatus to pass through the desiccant material, said valve means being operative in response to closing a circuit thereto as the desiccant material approaches saturation.

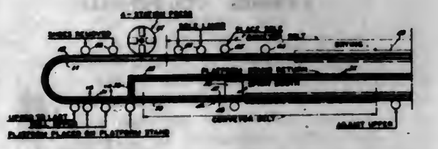
2,572,010
PULSE ECHO OBJECT LOCATOR
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1946, Serial No. 680,001
In Great Britain June 8, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires June 8, 1965
9 Claims. (Cl. 343—13)

1. An arrangement for locating obstacles comprising means including a saw-tooth relaxation oscillator for generating an original train of regularly repeated electric pulses, means for radiating the said pulses, means for receiving the pulses after reflection from an obstacle, means for applying the received pulses to synchronize a second saw-tooth relaxation oscillator, means for deriving jointly from the said oscillators a train of unidirectional pulses having a characteristic depending upon the distance of the obstacle including means for differentially combining the saw-tooth wave outputs of said first and second oscillators, means for indicating



the said characteristic, and means for applying the original train of pulses to synchronise the second oscillator in the absence of any reflected pulses.

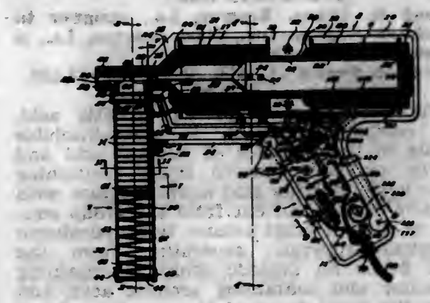
2,572,011
SHOEMAKING APPARATUS
Harold W. Cohen and Isa Galper, Manchester, N. H., assignors to Bee Bee Shoe Co., Manchester, N. H., a corporation of New Hampshire
Application March 7, 1947, Serial No. 733,084
22 Claims. (Cl. 91—18)



2. Apparatus for making shoes by continuous process, comprising a main track, a serits of last carriers movable along said track, an auxiliary loop track leading to and from the main track at spaced points respectively, means for spacing the last carriers on the main track preparatory to spraying shoe parts thereon, a series of sole carriers movable successively by the operator from the loop track into alternate arrangement with respect to the last carriers spaced on the main track, and a spray booth in which shoe parts are presented for cementing by both series of carriers while on the main track, the sole carriers being thereafter returned to the receiving end of the loop track.

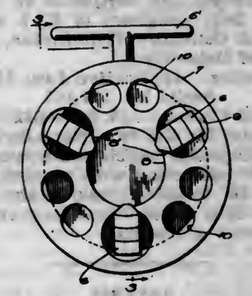
2,572,012
SEMIAUTOMATIC ELECTRIC NAILER
Arthur J. Curtis, Walla Walla, Wash., assignor of one-half to David G. Rebanske, Walla Walla, Wash.
Application January 26, 1949, Serial No. 72,845
2 Claims. (Cl. 1—46)

1. In an electric hammer, a portable housing having a hand grip, a barrel on said housing providing a hammer pathway, a hammer reciprocably mounted in said barrel, motor means for reciprocating said hammer in said pathway, a feed cylinder for projecting fastening elements into said hammer pathway, link means for moving said cylinder a predetermined angular distance, and manually operable means on said



hand grip for simultaneously controlling the reciprocating movement of said motor means and operating said cylinder.

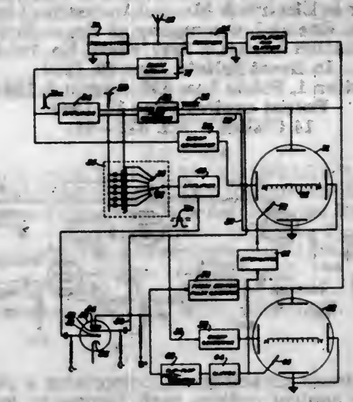
2,572,013
CHUCK JAW GAUGE
Walton W. Cushman, Webb City, Mo.
Application November 28, 1947, Serial No. 788,699
2 Claims. (Cl. 33—181)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gauge for a series of chuck jaws, comprising a plate provided with a central opening, a series of equally and circumferentially spaced secondary openings, and a channel connecting each opening of the series with the central opening, the walls of each channel being tapered to correspond to the taper on the inner ends of the jaws.

2,572,014
RADIO-ECHO DISTANCE INDICATOR INCLUDING VERNIER MEANS
Louis A. de Rosa, Bloomfield, N. J., assignor to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Continuation of application Serial No. 474,145, January 30, 1943. This application July 8, 1947, Serial No. 759,660
15 Claims. (Cl. 343—13)

1. A method of producing a narrow pulse selectively displaced relative to a synchronizing pulse comprising generating in response to each synchronizing pulse a series of narrow pulses having a given displacement therebetween in timed relation with said synchronizing pulse, deriving a portion of energy from said synchronizing pulse, delaying said derived portion of energy to occur at a desired later time point and segregating by means of said pulse portion a given one of said series of pulses to produce an output pulse similar



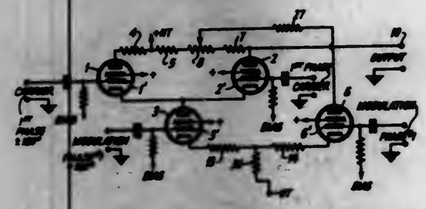
to said narrow pulses each time one of the narrow pulses coincides with said pulse portion.

2,572,015
COUNTER
Raymond H. Devanney, Berlin, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application November 18, 1950, Serial No. 196,499
6 Claims. (Cl. 235—131)



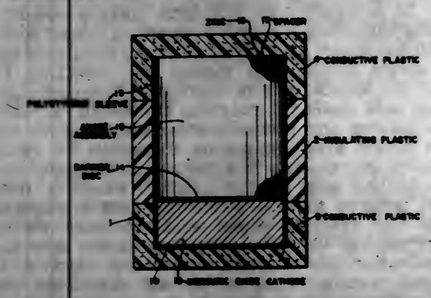
6. In a counter of the type having counting means including a number wheel of lowest order, a ratchet wheel associated with the number wheel of lowest order, and means for resetting the counting means, a drive shaft, cam means mounted on said shaft for rotation therewith, a ratchet actuating arm pivotally mounted adjacent said cam means and engageable therewith for reciprocating movements in a plane substantially normal to the axis of the ratchet wheel, a drive pawl secured to said actuating arm engageable with the ratchet wheel and operable during movement of the actuating arm in one direction to advance the ratchet wheel one step, a U-shaped member secured to said actuating arm for reciprocation therewith and having one leg disposed in spaced parallel relation to said actuating arm, said U-shaped member having a second leg angularly related to said first leg, said first leg having an ear engageable with the ratchet wheel during movement of said actuating arm in said one direction to prevent advance of the ratchet wheel by more than one step, and said second leg having an ear engageable with the ratchet wheel oppositely of said first mentioned ear during movement of the actuating arm in the opposite direction to impede advance of the ratchet wheel when the counting means is reset.

2,572,016
THERMIONIC VALVE CIRCUITS
Roland William Elbourn, Southall, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application August 5, 1947, Serial No. 766,318
In Great Britain June 19, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 19, 1966
14 Claims. (Cl. 332—63)



1. A circuit arrangement, comprising a pair of electron control devices each having at least a pair of output electrodes and each having an output circuit including its output electrodes, a first electron discharge device having at least an anode and a cathode and having a cathode-anode space discharge path common to the output circuits of said pair of control devices, a second electron discharge device having at least an anode and a cathode and having a cathode circuit comprising an impedance common to the cathode-anode circuit of said first discharge device, and a feedback circuit between the anode of said second discharge device and the output circuit of at least one of said pair of control devices.

2,572,017
DRY BATTERY CELL
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of the Army
Application July 3, 1950, Serial No. 171,999
1 Claim. (Cl. 136—107)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an hermetically sealed primary alkaline dry cell of the zinc-mercuric oxide type, an airtight assembly including a cell container of plastic dielectric material, a zinc-anode structure, a depolarizing cathode, a barrier between anode and cathode, and an immobilized body of an aqueous alkaline metal hydroxide electrolyte, said cell container consisting of a central tubular portion of non-conductive plastic material, an anodic end section of plastic material made electrically conductive by the admixture of zinc powder and a cathodic end section of plastic material made electrically conductive by the admixture of graphite powder.

2,572,018
RECOVERY OF ACONITIC ACID FROM ACONITATE SALT
Raymond N. Evans, Reserve, La., assignor to Godchaux Sugars, Inc., New Orleans, La., a corporation of New York
Application August 31, 1950, Serial No. 182,588
8 Claims. (Cl. 260—537)

1. The process of preparing aconitic acid, which comprises heating a water-insoluble aconitate in the presence of mineral acid and obtaining an acid aqueous liquor containing aconitic acid; treating said aqueous liquor with a selective organic solvent from the group consisting of methyl ethyl ketone, tetrahydrofuran and tetrahydropyran; separating from the treated liquor an organic solution containing some water and containing aconitic acid, and heating the same to expel the organic solvent and to leave a hot aqueous residual liquor; adding mineral acid to the aqueous residual liquor and separating the product of said acid treatment to obtain a hot liquid component; cooling said liquid component to effect crystallization from an acid mother liquor; and separating crystals of aconitic acid from the said mother liquor.

2,572,019
CATALYTIC PROCESS FOR ALKYLATING AROMATIC COMPOUNDS USING A METAL MOLYBDITE CATALYST
Frank S. Fawcett and Benjamin W. Howk, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1950, Serial No. 171,566
16 Claims. (Cl. 260—612)

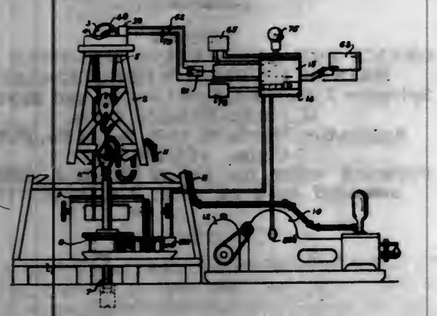
1. A process for the catalytic alkylation of an aromatic compound which comprises contacting the aromatic compound with an olefin at a temperature of 50° to 500° C. and in the presence of a molybdite of a metal whose ions are soluble in excess aqueous ammonia.

2,572,020
DIALKYL-DELTA-ACYLAMINOBUTYL-MALONATE AND PROCESS FOR PREPARING SAME
Don E. Floyd, Robbinsdale, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application March 3, 1949, Serial No. 79,519
6 Claims. (Cl. 260—471)

1. Compounds having the following formula:

$$RNH(CH_2)_2CHCOOR^1$$
$$\quad\quad\quad

table, a pump for circulating hydraulic fluid in a well, means for operating said pump, a derrick carrying a stationary sheave journaled on said derrick, a cable passing over said sheave and said cable supporting a drill stem, said drill stem passing through said rotary table and slidably and rotatably connected therewith, of a



chronologically operated mechanism for operating a record strip, a revolution counter connected to said pump for determining the revolutions of said pump, an electrical contact on said revolution counter within a circuit leading to said recording mechanism, and an electro-magnetic perforator for perforating said record strip in accordance with the revolutions of said pump.

2,572,026

SEPARATION OF ALPHA-CASEIN FROM WHOLE CASEIN

Norbert J. Hipp, Wyndmoor, Merton L. Groves, Philadelphia, and Thomas L. McMeekin, Glenside, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application April 12, 1949, Serial No. 87,124
3 Claims. (Cl. 260—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A process of separating alpha-casein from whole casein comprising dissolving whole casein in an aqueous alkaline medium at a pH of about 8, at room temperature, and in an amount to give a solution having a whole casein concentration of from 0.5 to 15%, mixing a substantially neutral, soluble inorganic salt and a lower alkanol therewith in an amount to give a concentration of salt in the solution of about .05 to .20 and an alkanol concentration of from 25 to 75% by volume, adjusting the pH of the mixture to 6 to 7 to precipitate the alpha-casein, and separating the precipitated casein from the mixture.

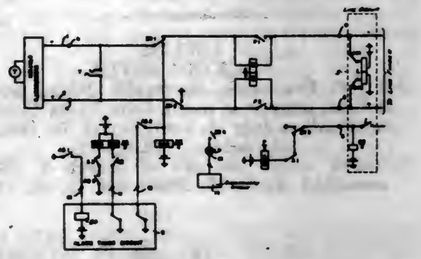
2,572,027

RELAY SET-SUBSCRIBER'S LOCKOUT CIRCUIT

Henry L. Herwitz, Jamaica, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 30, 1946, Serial No. 713,353
7 Claims. (Cl. 179—18)

1. In a telephone exchange system, a plurality of subscriber's stations, subscriber talking conductors connected to each of said subscriber stations, talking and test conductors terminating in a line circuit at said exchange and a relay lockout set for each station operatively connected to said line talking conductors, comprising, a first relay a plurality of contacts having operated and rest positions, said contacts being controlled by said relay, means for operating said relay in response to bridging of the talking conductors at said subscriber's station, a second relay, an operating circuit for controlling said second relay including the test conductor of said subscriber's station and a rest contact of said first relay, means for releasing said first relay in response to a dial impulse from said subscriber's station and for operating said second relay through said rest contact and said test conductor, a timing circuit controlled by operated contacts of said first



relay, a third relay, normally closed contacts operable by said last named relay interconnecting said subscriber talking conductors and said talking conductors connected to the line circuit, circuit means including said timing circuit for operating said third relay a predetermined period of time after operation of said first relay to open said normally closed contacts thereby disconnecting the subscriber talking wires from the line talking wires, and a holding circuit for said third relay established upon operation of said third relay when a short circuit condition exists across the subscriber talking wires by said normally closed contacts in operated condition comprising said subscriber talking wires and said short circuit.

2,572,028

HYDRAZODISULFONATE-POSITIVE HALOGEN OXIDIZING AGENT SYSTEMS FOR POLYMERIZATION INITIATION

Madison Hunt, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 3, 1950, Serial No. 142,358
3 Claims. (Cl. 260—80)

1. Process for the polymerization of a monomer subject to addition polymerization and containing an ethylenic double bond which comprises bringing said monomer in contact, in an aqueous system, with a water soluble hydrazodisulfonate and a compound containing positive monovalent halogen.

2,572,029

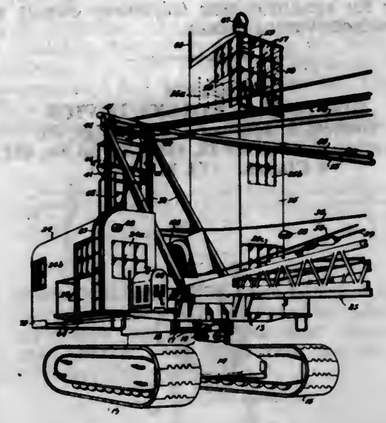
LOAD HANDLING MACHINE

William M. Huston, Lima, Ohio

Application July 5, 1945, Serial No. 603,376
17 Claims. (Cl. 212—38)

1. In a crawler type load handling machine having a rotating base carrying operating machinery, a boom and a cab structure enclosing the machinery; a control tower mounted on the base and having an operator's station therein at an

elevation providing vision for the operator well above the cab structure, operator's controls for the machinery in the tower at the operator's station, with control devices operatively associated with said controls located in the tower close to but below the floor of the operator's station, and fur-



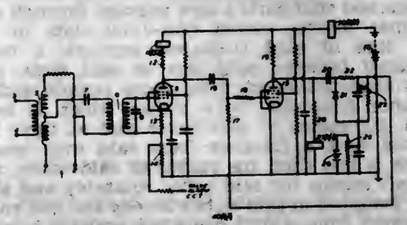
ther with control connections extended downwardly from the control devices for remote control of the machinery on the base, and a deck in the tower between the floor of the operator's station and the base and providing convenient access to said control devices.

2,572,030

FAILURE ALARM ARRANGEMENTS IN MULTICHANNEL CARRIER CURRENT COMMUNICATION SYSTEM

Bent Bulow Jacobsen and Frank Fairley, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application March 25, 1948, Serial No. 17,976
In Great Britain April 1, 1947
5 Claims. (Cl. 179—15)



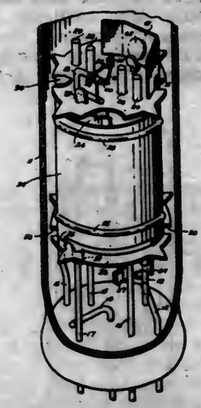
1. A multi-channel carrier current communication system of the suppressed carrier type wherein no monitoring signals are transmitted and the entire transmission band for a given line is occupied exclusively by frequencies of intelligence modulated signals, in combination with a channel failure alarm arrangement comprising, frequency selective means deriving from a point in the system carrier current leak energy corresponding to at least one channel, the derived energy having at least a given level under normal transmission conditions, a normally inoperative alarm, and means whereby said alarm is operated by said derived leak energy of a level below said given level.

2,572,031

ELECTRODE AND ENVELOPE ASSEMBLY FOR MULTIELECTRODE SPACE DISCHARGE DEVICES

Herbert R. Jacobus, Jr., White Plains, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York

Application January 26, 1949, Serial No. 72,985
7 Claims. (Cl. 313—243)



1. In an electron space discharge device housed in a sealed tubular envelope: an assembly of electrodes extending longitudinally generally parallel to a common axis including a tubular anode of sheet metal, and at least two additional electrodes and a filamentary cathode surrounded by the anode; two spaced, generally flat sheet-like insulating spacers extending transversely to said axis and having two transversely disposed rows of spacer openings holding the opposite ends of said electrodes in their operatively spaced positions; each of said two rows of spacer openings including a common central spacer opening and two outward spacer openings spaced by a distance from said central spacer opening; each spacer having four peripherally displaced spacer projections aligned with said four outward spacer openings and engaging the inner surface of the envelope for spacing said assembly from the envelope; the peripheral edge of each spacer having at least two spaced retainer recesses each of small depth and relatively large width and positioned between two spacer projections thereof in positions angularly displaced relatively to said two rows of spacer openings; each of the opposite ends of said tubular anode having at least two junction sheet tongues extending from the edge thereof and interlockingly engaging and interfitting the two spaced recesses of said two spacers for securing said two spacers to said anode and joining them and said electrodes into a self-supporting electrode assembly.

2,572,032

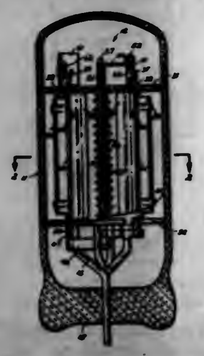
ELECTRODE AND ENVELOPE ASSEMBLY FOR MULTIELECTRODE SPACE DISCHARGE DEVICES

Herbert R. Jacobus, Jr., White Plains, and Harold L. Lipschultz, New York, N. Y., assignors to Sonotone Corporation, Elmsford, N. Y., a corporation of New York

Application January 26, 1949, Serial No. 72,986
7 Claims. (Cl. 313—238)

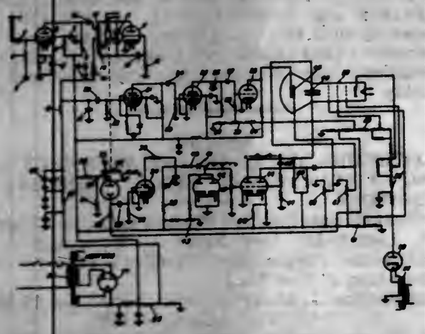
1. In an electron space discharge device: an assembly of electrodes extending longitudinally generally parallel to a common axis, including a

filamentary cathode having a cathode junction end, and a sheet electrode having at one end a junction tongue; a generally flat insulating spacer extending transversely to said axis for spacing the ends of said electrodes and having a plurality of spacer openings for receiving said cathode junction end and said junction tongue; a connector structure connected between said cathode junction end and said junction tongue for tensioning said cathode and exerting seating forces restraining the cathode junction end against a cathode seat portion of the spacer opening receiving said cathode junction end; said connector structure comprising a U-shaped rod



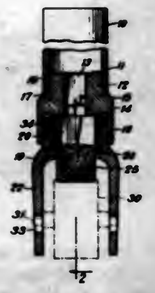
having two rod arms and a coil spring loosely held on one rod arm; said coil spring having at its loose end a spring arm secured to said cathode junction end; the end portion of the other rod arm being secured to said junction tongue in a position in which the end of said other rod arm is substantially aligned with the adjacent side edge of the junction tongue, and the two rod arms extend substantially parallel to the surface of the adjacent spacer and to the direction of said seating forces; said spring arm extending from a portion of said coil substantially aligned with the other side edge of said tongue; the other end of said coil spring being secured to said other rod arm.

2,572,033
RECEIVING SYSTEM
Lewis F. Jaggi and Andrew D. Shearer, Dayton, Ohio
Application February 2, 1945, Serial No. 576,100
7 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A panoramic receiver of the character described comprising a tunable super regenerative detector circuit, periodic means for tuning said circuit over a range of signal frequencies to produce signal pulses, means for amplifying and differentiating said pulses to accentuate them, a clipper circuit fed by said last means for removing the low level noise components, a visual electronic indicator for displaying the signal pulses, a sweep circuit connected to said indicator, and means for synchronizing the sweep circuit with said periodic tuning means.

2,572,034
DISPENSING ROLLER DEVICE
Everett A. Johnson, Park Ridge, Ill.
Application September 16, 1946, Serial No. 697,237
4 Claims. (Cl. 91—62.5)

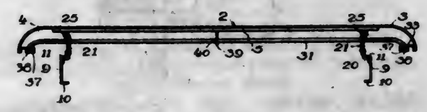


1. A manually portable apparatus adapted to dispense a volatile liquid consisting essentially in combination an elongated cylindrical liquid reservoir having a discharge port and adapted for manipulating the apparatus, a U-shaped roller support member having a base portion threaded to said reservoir and a pair of elongated legs extending axially of said base portion, an axial channel through the base portion of said member and communicating with said port, a shoulder in said channel, a slotted disc across said channel and supported on said shoulder, a wick means within said channel and extending axially through said slotted disc, said wick means being wholly exterior of said reservoir, a wick retainer means interposed between said wick means and said port, a flow passage through said retainer means, closed non-axial slots in the said legs of said U-shaped support, a roller mounted between said legs in said slots, said slots terminating at their more remote ends a distance from said wick means which is more than the radius of said roller and at their less remote ends a distance from said wick means which is less than the radius of said roller, and a shaft means for said roller rotatably and slidably mounted in said slots whereby the said roller is guided from a first operative position in contact with said wick means to a second operative position which is displaced axially from the first position with reference to said wick means.

2,572,035
PLASTIC TALL OIL ROSIN FRACTION
Wesley A. Jordan and Melvin S. Herban, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application August 14, 1948, Serial No. 44,396
8 Claims. (Cl. 260—97.5)

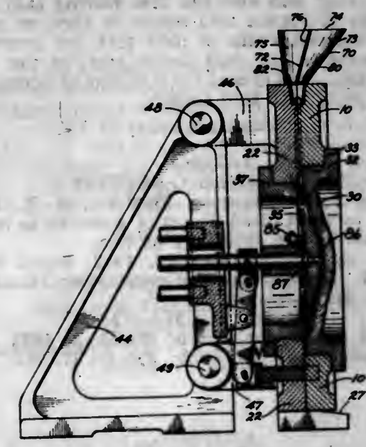
1. A partially esterified tall oil rosin fraction, said fraction containing rosin acids in the approximate range of 65–75% and fatty acids within the range of 25–35%, said fraction being esterified with a polyhydric alcohol to the extent that its acid number is reduced from 25% to 50%.

2,572,036
FACIA BOARD
Bela B. Junkunc, Chicago, Ill., assignor to Bela B. Junkunc, Alexander Junkunc, Sr., Alexander Junkunc, Jr., and Joseph G. Junkunc, doing business as J & J Tool & Machine Co., Chicago, Ill., a copartnership
Application February 5, 1948, Serial No. 6,499
10 Claims. (Cl. 160—19)



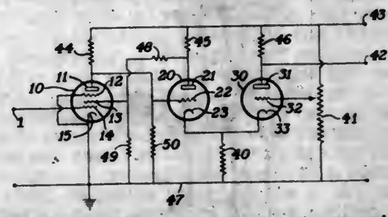
2. In combination with a facia board, a bracket for supporting one end of a Venetian blind, and an adjustable supporting member engageable with said bracket, said supporting member being secured to said facia board.

2,572,037
METHOD FOR POURING CASTINGS
John H. Keating, Cleveland, Ohio, assignor to Monarch Aluminum Mfg. Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1948, Serial No. 9,156
2 Claims. (Cl. 22—209)



1. The method of introducing molten metal into a mold having a gate having a pouring opening adapted to receive molten metal and providing a passage leading to the mold cavity, comprising the steps of disposing a pouring box over said opening, said pouring box having a plurality of orifices adapted to discharge into said opening, filling said pouring box with molten metal, discharging molten metal through one of said orifices while said pouring box is being filled and until the metal reaches a predetermined level in said pouring box, thereafter discharging molten metal through a plurality of orifices until said pouring box is filled, and continuing to discharge molten metal through a plurality of orifices until said pouring box is substantially empty.

2,572,038
TRIGGER CIRCUITS
Clifton B. Kinne, Needham, Mass., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application May 3, 1949, Serial No. 91,104
1 Claim. (Cl. 250—27)



A thermionic trigger arrangement comprising three thermionic tubes, each having an anode, a cathode, and at least one control grid, the first of the said tube having in addition at least one auxiliary control grid, an input circuit connected between the cathode and the control grid of the said first tube, circuit means interconnecting the anode of the said first tube with the control grid of a second of the said three tubes and the anode of the said second tube with the auxiliary control grid of the said first tube, circuit means, including a common cathode resistor, interconnecting the cathode of the said second tube with the cathode of the third of the said three tubes, means to hold the control grid of the said third tube at a fixed potential, anode current supply means providing a large anode current in said second tube when the input potential drops below an inferior critical level until it passes a superior critical level, providing a large anode current in said first and third tube when the input potential passes the superior critical level until it falls below the inferior critical level, and an output circuit comprising an impedance connected to the anode of the said third tube.

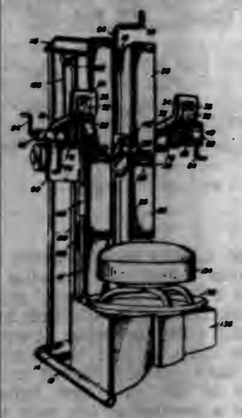
2,572,039
MANUFACTURE OF CELLULOSE ETHERS
Eugene D. Klug and Howard G. Tennent, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 4, 1949, Serial No. 125,642
10 Claims. (Cl. 260—231)

1. In the manufacture of ethers of cellulose, the improvement which comprises mixing cellulosic material in particulate form with an alcohol of the group consisting of the secondary 3-carbon and secondary and tertiary 4-, and 5-carbon aliphatic alcohols and mixtures thereof in the presence of alkali and water, employing at least about 2 parts by weight of said alcohol for each part by weight of water which is present, reacting said cellulosic material in particulate form and in the presence of the alkali, the water and the alcohol with a hydroxyalkylating agent, and obtaining the hydroxyalkyl cellulose ether thus produced in substantially the same particulate form as the starting cellulosic material.

2,572,040
MASSAGE CHAIR
Roland A. Labbe, Thermopolis, Wyo.
Application March 29, 1948, Serial No. 17,619
7 Claims. (Cl. 128—52)

1. A massage chair comprising a base, a seat mounted on said base, an upright frame sup-

ported by said base immediately behind and above said seat, a pair of arm rests vertically slidably mounted on said frame and extending forwardly and laterally of the seat and above said seat,



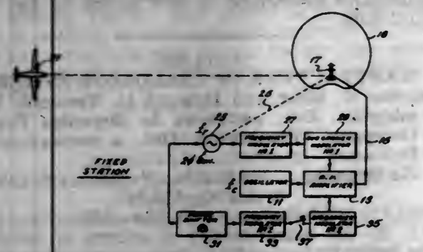
and a vibrator assembly including a massage pad and an operating motor therefor vertically slidable as an assembly on the frame, said pad extending forwardly of said frame.

2,572,041

SELECTIVE AZIMUTH SIGNALING SYSTEM

George E. Litchford and Joseph Lyman, Huntington, N. Y., assignors to The Sperry Corporation, a corporation of Delaware

Application October 29, 1947, Serial No. 782,723
11 Claims. (Cl. 343—106)



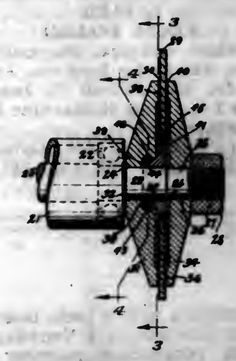
1. In combination, means for transmitting from a station radio energy receivable over a wide range of azimuthal directions from the station, the energy being modulated in each azimuthal direction in a phase distinguishing that azimuthal direction from others, means including a frequency modulator for transmitting a further signal component of modulation frequency equal to the frequency of said modulation in azimuthal directions and of adjustable phase, the phase of said further signal being adjustable through a range corresponding to the range of phase variation of the modulation of said radio energy throughout the 360° azimuthal range, radio receiving means responsive to both said means for providing first and second output components corresponding to the modulation in the azimuthal directions and the frequency modulation, respectively, and means responsive to said first and second components for selectively responding to a predetermined phase therebetween.

2,572,042

MEANS FOR MOUNTING CUTTING BLADES ON SHAFTS

Charles A. Martin, Buffalo, N. Y.

Application July 12, 1948, Serial No. 38,456
2 Claims. (Cl. 51—168)



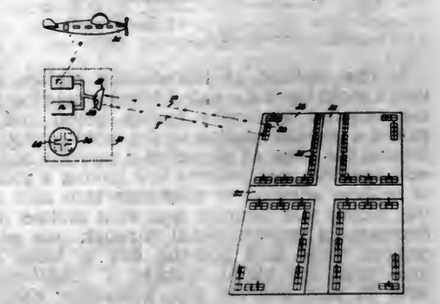
1. Means for mounting an abrasive cutter blade on a rotatable spindle, comprising a non-abrasive protecting sleeve rotatable on said spindle and provided with non-circular head which engages with a correspondingly shaped opening in the center of said blade and also having a coupling hub, two clamping disks rotatable relative to said spindle and protecting sleeve and engaging frictionally with opposite sides of said blade and one of said disks having a recess on its inner side which receives said hub, means for coupling said hub and the disk having said recess so as to permit said sleeve to turn on said spindle independently of said disk but prevent axial movement of said sleeve relative the respective disk, and means for frictionally connecting said disks with said spindle.

2,572,043

BLIND LANDING SYSTEM

Raymond J. McElhannon, Flushing, N. Y., assignor to the United States of America as represented by the Secretary of War

Original application May 14, 1943, Serial No. 486,944. Divided and this application January 6, 1950, Serial No. 137,231
1 Claim. (Cl. 343—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A system for blind landing airplanes, comprising: an airplane equipped with a radar system of the continuous wave type including a short wave transmitter, a receiver and an associated cathode ray tube, a variably deflectable directive aerial,

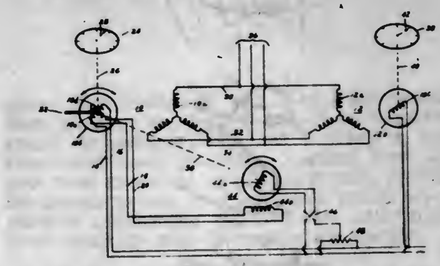
for continuously transmitting said short waves to successive portions of an area to be scanned, and means for causing the cathode ray beam of said tube to traverse the screen thereof in coincidence with the scanning movements of said aerial; a landing field provided with runways; and a plurality of combined short wave receiving and retransmitting means defining said runways, said means responding individually to said short waves incident thereon from said aerial for retransmitting short radio waves of a different wave length to said aerial during such incidence, thereby to produce on the screen of said cathode ray tube an image corresponding to the dispositions of said means defining said runways.

2,572,044

ELECTRICAL TRANSMISSION SYSTEM

Thomas O. McCarthy and Wilbur W. Thomas, United States Navy

Application March 10, 1947, Serial No. 733,715
22 Claims. (Cl. 318—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



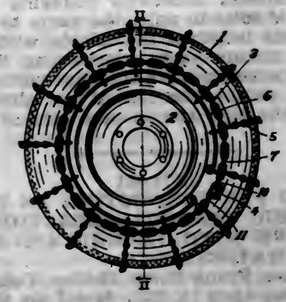
1. In an electrical data-transmitting system, a rotatable field element having a pair of windings arranged in space quadrature, an armature circuit coupled to said field element, and electrical means for selectively exciting at least one of said windings with voltages varying in accordance with changes in the angular position of said field element relative said armature circuit.

2,572,045

ANTISKID TIRE CHAIN

William B. McLean, Moon Township, Allegheny County, Pa.

Application August 31, 1946, Serial No. 694,220
2 Claims. (Cl. 152—242)



1. A conventional tire chain having cross-chains adapted to extend transversely of the tread of a tire, and spaced inner and outer side chains to which said cross-chains are connected, said side chains having ends provided with releasable connections by which said ends may be secured together to provide an endless support for said cross-chains extending circumferentially of a tire, said tire chain when mounted on a tire being operable in a conventional manner with said side chains being substantially inextensible in a circumferential direction but movable radially outwardly a limited amount in response to force applied to said cross-chains, and means operable to facilitate mounting said tire chain on a tire comprising a ring-shaped resilient rod having free ends which may be sprung manually relative to each other, and a plurality of spaced links connecting said ring-shaped rod to said inner side chain in substantially concentric relation thereto, said ring-shaped rod having sufficient stiffness to support said chain in a vertical plane when mounting the chain on a tire, said links having parts operable to allow limited but free relative movement between said ring-shaped rod and inner side chain when said tire chain is mounted in position so that said ring-shaped rod is inoperative to transfer stress from one cross-chain to other parts of the chain and thus interfere with the normal operation of said tire chain in its conventional manner.

2,572,046

PROCESS FOR RECOVERING PARTHENYL CINNAMATE AND ESSENTIAL OILS FROM GUAYULE RESIN

James W. Meeks and Thomas F. Banigan, Jr., Salinas, Calif., and Ralph W. Planck, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application November 15, 1949, Serial No. 127,504
8 Claims. (Cl. 260—476)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

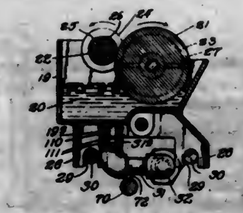
1. A process for isolating parthenyl cinnamate from guayule resin containing it which comprises mixing a water-miscible, organic solvent solution of the gauyule resin with a hydrocarbon in which the parthenyl cinnamate is more soluble than in the water-miscible organic solvent, and separating the hydrocarbon containing the parthenyl cinnamate from the mixture.

2,572,047

GLUE SUPPLY MEANS FOR PACKAGING MACHINES

Morris P. Neal, Quincy, Ill., assignor to A-B-C-Packaging Machine Corporation, a corporation of Illinois

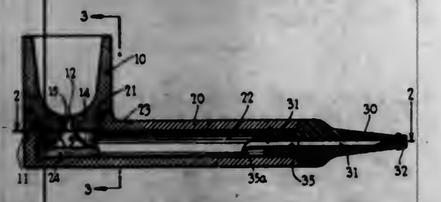
Application July 1, 1947, Serial No. 758,418
2 Claims. (Cl. 91—18)



1. In a packaging machine for forming paper boxes and the like, apparatus comprising a glue receptacle, a removable glue reservoir, a conduit for conducting glue from the receptacle to the reservoir including a rigidly mounted con-

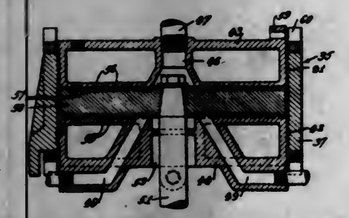
duit portion having its inner end extending upwardly and adjacent the bottom of the reservoir, a short downwardly extending second conduit portion on the reservoir aligned with said upwardly extending end of the rigid conduit portion, a flexible connector sleeve joining the adjacent ends of said conduit portions when the removable reservoir is placed in position in said machine, said sleeve being attached to one of said end portions and slidably receiving the other end portion, and means for guiding the movement of said reservoir in the machine so that said ends of the conduit portions are automatically aligned and the slidably-received end of said other conduit portion is automatically introduced into said flexible connector sleeve to make sealing engagement therewith.

2,572,048
TOBACCO PIPE
Alexander Gordon Niebet, Rye, N. Y.
Application March 31, 1945, Serial No. 585,843
4 Claims. (Cl. 131—203)



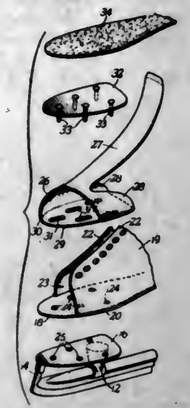
1. In a tobacco pipe comprising a bowl having an aperture therein permitting smoke to be drawn downwardly therethrough, in combination; a stem of relatively large bore detachably secured to the lower portion of the bowl, said stem being enlarged to provide an internal portion having a bottom surface of relatively large area disposed beneath said aperture; an absorbent pad having upper and lower surfaces, said lower surface being in engagement with said surface of large area; and an outwardly flaring diffusing member having lateral apertures therein and having its smaller portion in communication with said aperture and its larger portion in engagement with said upper surface of said pad to hold the outer portions of said pad against said surface of large area.

2,572,049
APPARATUS FOR MAKING MARSHMALLOWS
Earle T. Oakes, Douglaston, N. Y., assignor to E. T. Oakes Corporation, Douglaston, N. Y., a corporation of New York
Application May 21, 1947, Serial No. 749,555
10 Claims. (Cl. 261—28)



1. A mixing device comprising a substantially annular shell, a rotor rotatably mounted within said shell, means for rotating said rotor, an inlet end plate and an outlet end plate threaded into said shell on opposite sides of said rotor for adjustment toward and away from said rotor, substantially concentric ribs on adjacent faces of said rotor and of the end plates, the ribs on said rotor being interposed between the ribs on said end plates to define a tortuous path radially of said rotor, means for introducing material through said inlet end plate near the center thereof, means in said inlet plate for introducing a gas under pressure between the inlet plate and the rotor adjacent the center thereof, and means for discharging said material adjacent to the center of the outlet end plate.

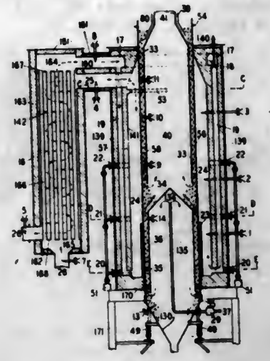
2,572,050
SKATE AND SHOE CONSTRUCTION
Harry Ornstein, Bronx, N. Y.
Application February 18, 1949, Serial No. 77,083
4 Claims. (Cl. 280—11.3)



1. In a skate shoe having in combination a continuous outsole extended uninterruptedly between the heel and toe end and to which is attached a shoe upper and quarter as one part, the upper material being directed to provide side parts and front closure edges and being extended from the heel to substantially adjacent the forward toe end of the outsole, a shoe vamp having a box toe and box sole attached to each other and mounted with the sole thereof overlapping the outsole, one of said soles having elongated passages extended in parallelism with the length of the sole, the other of the soles having passages arranged transversely of the sole in a complementary position to the passages of the first sole, and tie members selectively engaging the passages of said soles to unite the vamp to the outsole along the length of the outsole, with the side parts and closure edges overlapping the vamp variably to accommodate the shoe parts to each other and, during the life of the shoe permit change of the shoe size to take care of the foot growth.

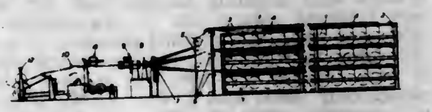
2,572,051
METHOD FOR CONDUCTING AN ENDOTHERMIC CHEMICAL REACTION INVOLVING BOTH GASEOUS AND SOLID FEED MATERIALS
Vernon Frank Parry, Golden, Colo.
Application April 20, 1945, Serial No. 589,450
2 Claims. (Cl. 48—203)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. A method for conducting an endothermic chemical reaction involving both gaseous and solid feed materials which comprises passing said solids and a portion of said gaseous materials cocurrently through an externally-heated annular reaction zone, withdrawing gaseous products of reaction from a point near the zone of maximum reaction temperature through an eduction zone interior of said annular reaction zone, said gaseous products being passed in countercurrent in-



direct heat exchange with said solid reactants, then passing said solid materials countercurrently to gaseous materials through a second externally-heated annular reaction zone in direct heat exchange relationship with additional incoming gaseous feed materials which are supplied to said second reaction zone after indirect heat exchange with the materials therein.

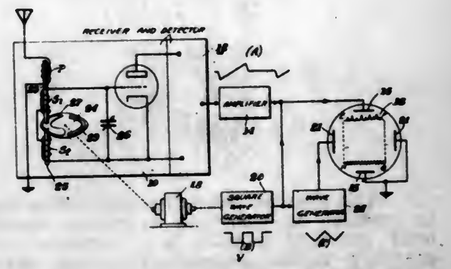
2,572,052
METHOD AND MACHINE FOR MAKING ELECTRIC COMMUNICATION CABLES
John Richard Pheasey, London, England, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 8, 1948, Serial No. 64,213
In Great Britain November 14, 1947
5 Claims. (Cl. 57—3)



4. Cable manufacturing machine comprising a plurality of reels carrying strands of wire for a cable, a lay plate having a plurality of openings through which said strand parts pass, means angularly reciprocating said lay plate, and means binding the strands in the relative positions given to them by said lay plate.

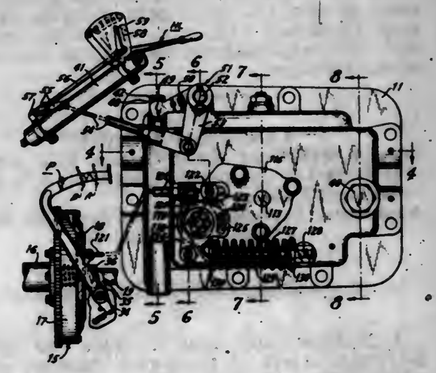
2,572,053
RADIO RECEIVER
Albert Preisman, Silver Spring, Md., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Original application May 7, 1943, Serial No. 485,971. Divided and this application August 6, 1945, Serial No. 609,217
5 Claims. (Cl. 250—20)

1. In a radio circuit including a receiver and an oscilloscope having a screen, means for cyclically tuning said receiver to scan a given frequency band to derive the signals thereof during a part of a given cycle, means operative alternately with said first-mentioned means for maintaining said receiver receptive to signals of fixed frequency during another part of said cycle, means for applying said received scanned sig-



nals and said received fixed frequency signals to said oscilloscope to produce trace indications on the screen thereof, means for separating the traces corresponding to said received fixed frequency signals and said received scanned signals on the screen in synchronism with their respective occurrences during said cycle.

2,572,054
PRESELECTIVE TRANSMISSION CONTROL FOR AUTOMOTIVE VEHICLES
Glenn T. Randol, Mountain Lake Park, Md.
Application November 22, 1948, Serial No. 61,325
30 Claims. (Cl. 74—334)



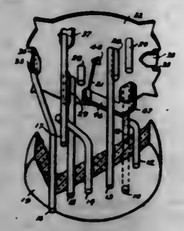
1. In control mechanism for a change gear transmission having shiftable elements for controlling the gear ratios thereof, selector members comprising a plurality of axially extending cylindrical rods positioned in circular arrangement in axial overlapping relation and mounted for simultaneous rotation and relative axial sliding movement, means for selectively connecting the shiftable elements to the selector rods by rotation of the selector members, means for rotating the selector members including a rotatable hub extending axially of said rods and in peripheral engagement therewith for indexing rotation of said selector members, and means for simultaneously sliding the selector members in opposite directions.

2,572,055

ELECTRON SPACE DISCHARGE DEVICE

Walter W. Saldarini, White Plains, N. Y., assignor to Sonotone Corperation, Elmsford, N. Y., a corporation of New York

Application January 26, 1949, Serial No. 72,809
9 Claims. (Cl. 313—243)



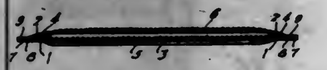
1. In an electron space discharge device having an assembly of electrodes extending longitudinally generally parallel to a common axis, a generally-tubular hermetically-sealed envelope coaxial with and enclosing the electrode assembly and having a transverse, generally-flat end wall of electrically-insulating refractory material; a set of at least four electrically conducting leads, including a pair of outer leads, all generally aligned in a row and sealed through said end wall and providing external contact prongs for said electrodes; at least one additional pair of electrically-conducting leads held sealed and fixed within two opposite outer portions of said end wall and generally aligned in a plane transverse to said row, said electrodes having two junction ends generally extending toward and connected to inward portions of said additional pair of leads; and additional electrode junction ends generally extending toward and connected to inward portions of the other leads of said set; at least two inward portions of said set of leads being bent and connected to said inward portions of said additional pair of leads, substantially all of said additional leads projecting from said end wall being confined within the interior of said envelope.

2,572,056

LABELED PACKAGE

Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware

Application September 14, 1946, Serial No. 696,991
1 Claim. (Cl. 206—46)



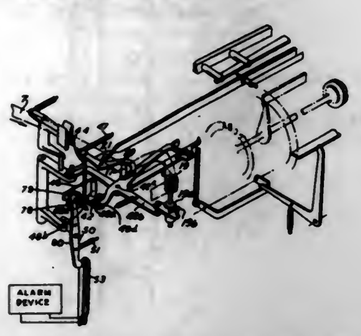
A package comprising at least two opposed polygonal layers of packaging material one of which has a thermoplastic surface juxtaposed to the other layer and also has spaced marginal portions with said thermoplastic surface extending beyond each of two opposite edges of the other layer, the other edges of each layer being in register with the corresponding edges of the other layer, said layers being thermoplastically sealed together in all marginal zones of the second-mentioned layer and forming a commodity compartment between said layers, and a cover sheet loosely overlying the exterior of the second-mentioned layer and having marginal portions overlying and heat-sealed only to said thermoplastic surfaces on the said extending marginal portions of the first-mentioned layer, said cover sheet being otherwise free from said compartment.

2,572,057

ALARM DEVICE FOR INDICATING FAILURE OF THE PAPER FEED MECHANISM IN TELEPRINTERS

Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company

Application October 22, 1946, Serial No. 704,975
In Great Britain July 19, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 19, 1965
8 Claims. (Cl. 200—52)



1. Alarm actuating apparatus for use with a tape feeding mechanism comprising tape guiding means, a biasing spring, said means adapted to engage the tape and to have a predetermined normal, lateral position corresponding to normal tape tension, to be laterally shiftable against the tension of said spring in one direction away from said normal position upon sticking of the tape, to be laterally shiftable upon actuation of said spring in the other direction away from said normal position upon breakage of the tape, an alarm operating element comprising a pair of switch contacts and a pivoted lever adapted to actuate said contacts, said lever spring-biased to operating position, latching means rotatable about an axis disposed at a right angle to the pivotal axis of said lever, said latching means normally engaging said lever to restrain same from actuating said contacts, said latching means provided with an aperture therethrough, trip means, means to reciprocate said trip means against said latching means, and for urging said latching means out of engagement with said lever when said guiding means is in a position other than normal, said trip means adapted to pass through the aperture in said latching means only when said guiding means is in normal position, whereby said contacts are actuated when said tape guiding means shifts in either direction from normal position.

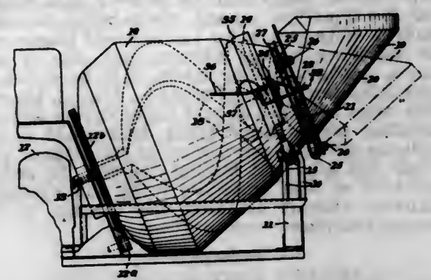
2,572,058

CHARGING AND DISCHARGING MECHANISM FOR MIXERS

Louis J. Sarosdy, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application September 18, 1948, Serial No. 49,948
10 Claims. (Cl. 259—161)

1. In a rotary mixing drum having an opening along the axis of rotation thereof and a charging and discharging spout supportably mounted on said drum around said opening, in combination, a ring member adjacent said opening, said ring member having a circumferential shoulder portion therein in the cylindrical surface portion thereof, a substantially annular supporting member adjacent said opening and generally parallel to said ring member, one of said members being affixed to said drum and the other of said members being affixed to said spout, and a plurality of axially extending members connected to said annular supporting member around the entire



boundary thereof, said axially extending members having radially extending portions engaging said shoulder portion, whereby said spout is substantially wholly supported by said drum and may be rotated relative thereto without axial movement therebetween being possible.

2,572,059

TEMPERATURE RESPONSIVE DEVICES, BIMETALLIC COILS FOR USE THEREIN, AND BLANKS FOR MAKING SUCH COILS

Herman Schlaich, Elmhurst, N. Y.

Application March 11, 1947, Serial No. 733,944
In Switzerland October 1, 1946
10 Claims. (Cl. 73—367)



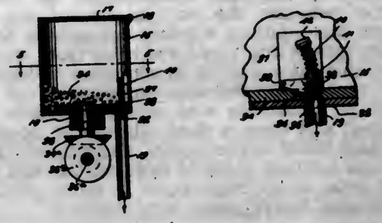
3. A temperature responsive device comprising a long tubular stem, a casing of heat conducting material sealed on the end of said stem, a liquid tight closure for the outer end of said casing, an arbor rotatably mounted in the stem and having its end projecting into the casing, a shaft carried by the closure at the end of the casing, said shaft projecting into the casing towards the end of said arbor and in axial alignment therewith, and a duplex bimetallic coil wound from a strip of bimetallic material of much greater width than thickness, said coil comprising two coaxial coil portions having their outer convolutions connected by a bridge member, the inner convolution of one coil portion surrounding and being attached to said shaft and the inner convolution on the other coil portion surrounding and being attached to said arbor, and liquid sealing means around the arbor at a point where the arbor enters the casing, said casing being filled with a heat conducting liquid.

2,572,060

SEED DISPENSER WITH PIVOTED EJECTOR

Jerome A. Schwabenlender, Milwaukee, Wis.

Application May 2, 1945, Serial No. 591,469
1 Claim. (Cl. 222—222)



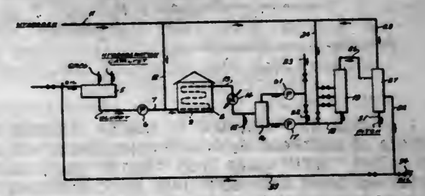
A planting mechanism comprising a hopper having a substantially flat bottom provided with a discharge opening, a substantially flat valve disk rotatably disposed on and substantially covering said bottom, means for rotating the valve disk, said valve disk having a seed opening arranged to move into and out of registry with the discharge opening when the valve disk is revolved, an elongated spring pressed ejector pivotally mounted adjacent one of its ends in said hopper having a free end disposed to enter the seed opening when said openings are in registry for positively ejecting the seed from the openings and outwardly of the hopper, said ejector having an inclined bottom edge extending between its pivoted end and its free end forming a cam surface extending from the free end to adjacent the pivoted end of the ejector and defining a sharp corner at the bottom edge of said free end disposed to ride on the upper surface of the valve disk and off of the leading edge of the seed opening to release the ejector to be forcibly swung into the bottom of the seed opening, and said valve disk having an inclined cam surface extending from the bottom of the seed opening in a direction opposite to the direction of rotation of the valve disk for engagement with the cam surface of the ejector for camming the ejector upwardly and out of the seed opening and into a raised, retracted position as the seed opening moves out of registry with the discharge opening.

2,572,061

PROCESS FOR THE HYDROGENATION OF COAL

Frederick Burton Sellers, New York, N. Y., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware

Application September 16, 1948, Serial No. 49,583
3 Claims. (Cl. 196—53)



1. In a process for the hydrogenation of coal wherein coal in finely divided form is admixed

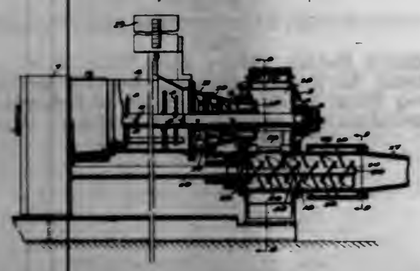
with oil and reacted with hydrogen at an elevated temperature and pressure, the improvement which comprises admixing particles of coal the bulk of which have a size range of from about ¼ inch to about 200 mesh with a hydrocarbon oil to form a fluid suspension, passing said suspension at a pressure within the range of from about 50 to about 600 pounds per square inch gauge as a confined stream in turbulent flow through a heating zone wherein it is heated to a temperature above about 600° F. and at least sufficient to vaporize substantially all the oil thereby reducing the particle size of the coal, cooling the resulting mixture comprising hydrocarbon vapors and powdered solid from the coal by an amount sufficient to condense at least the more readily condensible components of said vapors in admixture with powdered solids from said coal and form a fluid mixture of powdered solid and liquid hydrocarbon, and subjecting the resulting mixture of liquid hydrocarbon and powdered solid to hydrogenation in liquid phase at an elevated temperature and pressure.

2,572,062
COLLAPSIBLE SUCTION HOSE
George N. Sexton, Kensington, Md.
Application February 3, 1947, Serial No. 726,193
10 Claims. (Cl. 138—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



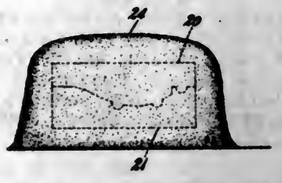
1. A collapsible suction hose composed of spaced inner and outer walls of flexible, fluid proof material, compressible means for connecting said walls throughout the length of the hose, and means for maintaining fluid under pressure in the space between said walls.

2,572,063
PUGMILL
Edward M. Skipper, Baltimore, Md., assignor to General Electric Company, a corporation of New York
Application June 6, 1947, Serial No. 753,021
4 Claims. (Cl. 25—14)



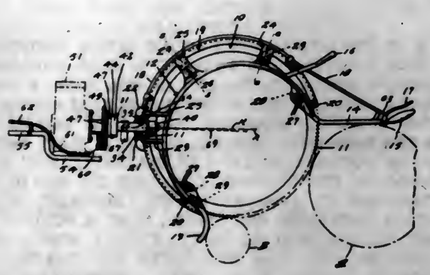
1. A pug mill adapted to handle ceramic materials of different moisture consistency whereby so-called "soft" pugs and "hard" pugs can be obtained from the same pug mill, said pug mill comprising a mixing chamber, a vacuum chamber, and an extrusion chamber, said respective chambers being connected in serial relation whereby material fed into said mixing chamber will be discharged from said extrusion chamber, a mixing auger positioned in said mixing chamber, means positioned in said vacuum chamber for impelling material therefrom into said extrusion chamber, an extrusion auger positioned in said extrusion chamber, and a variable speed drive means connected to each of said augers and the impelling means, there being an independent drive means for each of said augers and the impelling means whereby any one of said augers or the impelling means may be driven at a predetermined rate of speed as desired, the relative rates of speed of said auger drives and the impelling means drive being determined in accordance with the consistency of the ceramic materials fed into said mixing chamber to permit discharge of said materials from said extrusion chamber without breaking the vacuum in the vacuum chamber.

2,572,064
METHOD OF CONTROLLING SHRINKAGE OF CASTINGS
William C. Slinkard, Chula Vista, and Frank L. Duncan, San Diego, Calif., assignors to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application November 22, 1948, Serial No. 61,326
2 Claims. (Cl. 148—3)



1. The method of reducing unequal shrinkage of mating cast dies cast in separate molds which comprises separating the two castings from their molds substantially as soon as they have solidified, placing said castings in mating relation for cooling, and cooling them to room temperature while in mating relationship with each other.

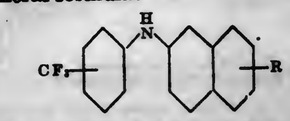
2,572,065
RIM DRIVEN CIRCULAR SAW
Albert P. Smith, Ava, Mo., assignor, by mesne assignments, to Barker Saw Company, Springfield, Mo., a corporation of Missouri
Application July 9, 1945, Serial No. 603,771
6 Claims. (Cl. 143—44)



6. In a circular saw, an arcuate housing, an annular saw provided with a plurality of cutting teeth on its outer periphery rotatably supported by said housing, a frame secured to one end of said housing, a plate member arranged on one side of said housing and secured thereto, a driving roller supported by said plate member and frictionally engaging said annular saw, a bar arranged on the other side of said frame and having one end pivotally connected thereto, a roller rotatably mounted on the other end of said bar and mounted for movement into and out of frictional engagement with said saw upon pivotal movement of said bar, and manually operable means for causing pivotal movement of said bar, said last-named means comprising a lug secured to said plate member, a bell crank lever movably connected to said lug and engaging said bar, a cable connected to said bell crank lever, an actuating member pivoted to said housing and connected to said cable for causing pivotal movement of said bar.

2,572,066
TRIFLUOROMETHYL PHENYL-β-NAPHTHYLAMINES
Nathan L. Smith, Indian Head, Md.
No Drawing. Application October 30, 1950, Serial No. 193,014
2 Claims. (Cl. 260—576)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

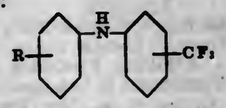
1. A trifluoromethyl phenyl-β-naphthylamine of the general formula:



wherein R is a radical selected from the group consisting of hydrogen and the trifluoromethyl radical.

2,572,067
TRIFLUOROMETHYL DIPHENYLAMINES
Nathan L. Smith, Indian Head, Md.
No Drawing. Application October 30, 1950, Serial No. 193,015
3 Claims. (Cl. 260—576)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

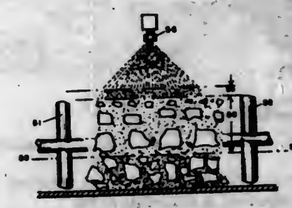
1. A trifluoromethyl diphenylamine of the general formula:



wherein R is selected from the group consisting of hydrogen and the methyl radical.

2,572,068
METHOD OF PREPARING COATED PARTICLE COMPOSITIONS
Albert Sommer, New York, N. Y., assignor to Impact Mixing Corporation, New York, N. Y., a corporation of New York
Application May 13, 1948, Serial No. 26,753
8 Claims. (Cl. 259—146)

1. The method of preparing a non-coalescent composition from a mixture containing coarser particles and minute particles of a solid material and from a plastic which includes the steps of creating in air or another gaseous medium a sheet-like zone of said medium in vortex movement, projecting into said zone from one side by mechanically transmitted energy minute particles of said solid and suspending them therein, liquefying said plastic and directing from the other side and under high liquid pressure an atomized spray of minute globules of said liquefied plastic upon said zone, thus causing said minute particles of the solid and said minute



globules of said plastic to collide and to adhere to each other by the impact whilst simultaneously stirring under said mechanically transmitted energy said coarser particles and impelling them towards said zone and spraying and coating them with said plastic.

2,572,069
RESISTANCE ELEMENT
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Original application January 15, 1947, Serial No. 722,127, now Patent No. 2,512,692, dated June 27, 1950. Divided and this application August 4, 1949, Serial No. 108,614
3 Claims. (Cl. 201—63)

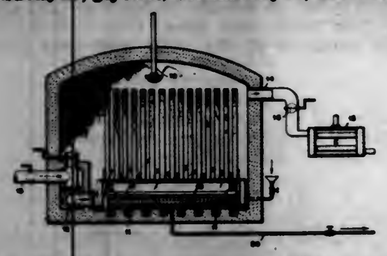


1. A resistance element comprising a refractory insulating rod, the rod being cut away at each end on one side of the axis of the rod with a transverse opening being provided at each end through the portion of the rod remaining from the cut away part, and a continuous relatively flexible resistance wire extending outwardly through the transverse opening at one end of the rod and thence bent to pass in helical convolutions around the rod to the opposite end thereof and bent to extend inwardly through the transverse opening at said opposite end, the wire being held tightly in said helical convolutions by its own tensional deformation in said transverse openings, each end of said wire being normally positioned in at least a portion of a cut away part at a corresponding end of the rod.

2,572,070
METHOD OF STABILIZING WOOD
Alfred J. Stamm and Harold Tarkow, Madison, Wis., assignors to the United States of America as represented by the Secretary of Agriculture
Application March 27, 1945, Serial No. 585,179
5 Claims. (Cl. 117—57)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of reducing the swelling, shrinking, and hygroscopicity of a piece of wood comprising air drying the piece of wood to a moisture content of 2 to 4 percent, treating the predried piece of wood with water-free vapors of a ketal and acetal group forming reagent taken

from the group consisting of formaldehyde, acetaldehyde, glyoxal, benzaldehyde, and acetone,

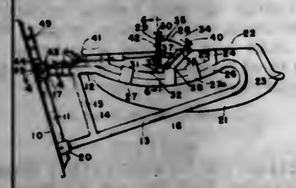


and thereafter contacting the so treated piece of wood with vapor of a mineral acid.

2,572,071
METAL RESINATES AND METHOD OF PREPARATION
William E. St. Clair and Ray V. Lawrence, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 11, 1950, Serial No. 173,223
13 Claims. (Cl. 260—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

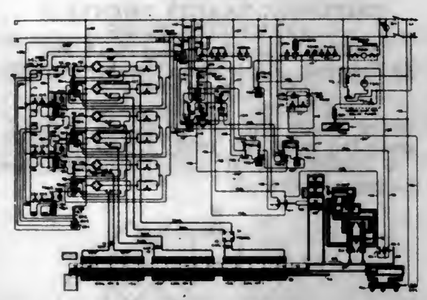
1. A process of preparing a refusible metal resinate product soluble in petroleum naphtha, comprising: fusing 100 parts of a rosin material; 0.01 to 30 parts of formaldehyde equivalent of a formaldehyde yielding material; and a reactive metal material which yields its metal to the rosin-formaldehyde reaction product under the conditions of the reaction, at a temperature below the decomposition temperature of the metal resinate, being in the range 90° C. to 400° C., the metal material being taken from the group consisting of the free metal, the metal oxide, hydroxide, carbonates, and the metal salts of organic carboxylic acids.

2,572,072
VERTICALLY ADJUSTABLE SEAT FOR AIRCRAFT
Seth H. Stoner, United States Navy
Application March 23, 1945, Serial No. 584,479
5 Claims. (Cl. 155—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A seat for aircraft comprising substantially vertical guide rails secured to the aircraft, a frame structure carried by said guide rails for sliding movement relative thereto, a seat member carried by said frame structure, means providing a locking connection between said frame structure and said guide rails for maintaining the frame structure in vertically adjusted position, and means readily accessible to the occupant for releasing said locking connection to permit vertical adjustment of the frame structure, said frame structure extending horizontally and comprised of spaced side members, said locking connection including a reciprocable bolt adapted to extend into apertures in one of the guide rails for locking the frame structure, and said releasing means including cam means for releasing the bolt and a lever on the frame structure connected by a link to said cam means, said lever being readily accessible to the occupant for operating said cam means.

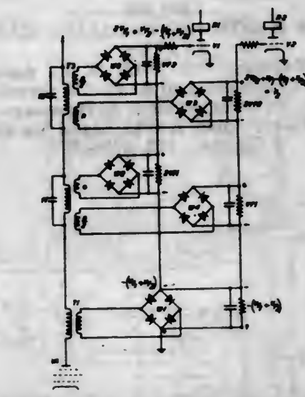
2,572,073
ELECTRIC FURNACE AND FEEDING MEANS AND THE CONTROLS THEREFOR
Harold A. Strickland, Jr., and Donald W. Riddell, Detroit, Mich., assignors, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 16, 1948, Serial No. 2,615
12 Claims. (Cl. 219—47)



1. An electric furnace comprising a heating coil having a workpiece passage therethrough, mechanism for feeding a workpiece through said coil and movable in a direction to feed a workpiece and return, time responsive apparatus set into operation when said feeding mechanism commences feeding a workpiece, and a switch controlled by said time responsive apparatus for cutting current from said coil if said feeding mechanism has not started to return within a predetermined time.

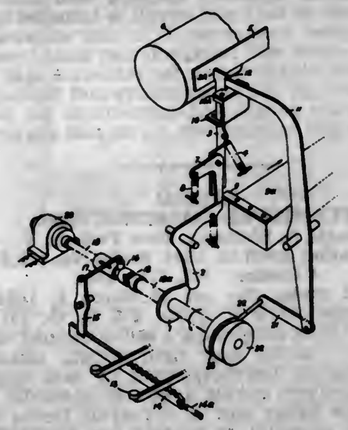
2,572,074
VOICE-FREQUENCY SIGNALING SYSTEM
Victor John Terry, Thomas Frederick Stanley Hargreaves, and William Frederick Gould, London, England, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 7, 1948, Serial No. 37,436
In Great Britain July 9, 1947
11 Claims. (Cl. 177—353)

8. A receiver for receiving a plurality of signals in a predetermined frequency range comprising means for developing a first biassing voltage comprising means for selecting signals of a first frequency within said range and means connected to said selecting means for rectifying and filtering said first frequency signals, means for developing a second biassing voltage comprising means for selecting signals of a second frequency within said range and means connected to said last-mentioned selecting means for rectifying and filtering said second frequency signals, means for developing a third biassing voltage comprising means for rectifying and filtering said first and second frequency signals and other signals in said range, a first amplifier, means for connecting said first bias developing means and a portion of said second bias developing means to said amplifier in a first sense and for connecting said third bias developing means to said amplifier in an opposing sense, a second amplifier, and means for connecting said second bias



developing means and a portion of said first bias developing means to said second amplifier in a first sense and for connecting said third bias developing means to said amplifier in an opposing sense.

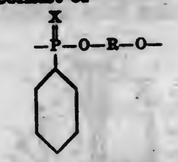
2,572,075
PRINTING TELEGRAPH APPARATUS
Alfred Edward Thompson, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application October 22, 1947, Serial No. 781,370
In Great Britain October 24, 1946
6 Claims. (Cl. 178—27)



1. A page printing telegraph apparatus adapted to print messages received from a distant station and to print a local record of messages transmitted to a distant station by said apparatus, comprising a platen around which a message blank is adapted to be placed, means for causing a mark of larger dimensions than the size of the printing type of said apparatus to be printed in the margin of said message blank to identify all messages of one kind, said means selectively actuated by means under control of said apparatus and adapted to operate adjacent each line of printing of such messages of one kind.

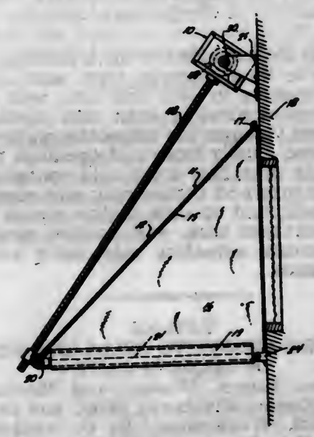
2,572,076
PHOSPHORUS-CONTAINING RESINS AND THE METHOD OF PREPARING THE SAME
Arthur Dock Fen Toy, Chicago, Ill., assignor to Victor Chemical Works
No Drawing. Application November 1, 1947, Serial No. 783,630
15 Claims. (Cl. 260—61)

1. A fusible linear polymer in which the repeating units consist of



wherein R is an aromatic nucleus containing only chlorine substituents with said oxygen linkages being only on non-adjacent carbon atoms of the aromatic nucleus and X is a member of the class consisting of oxygen and sulfur.

2,572,077
AWNING HOIST
Bobbie E. Troutman, Paducah, Ky.
Application May 24, 1949, Serial No. 95,019
6 Claims. (Cl. 160—81)

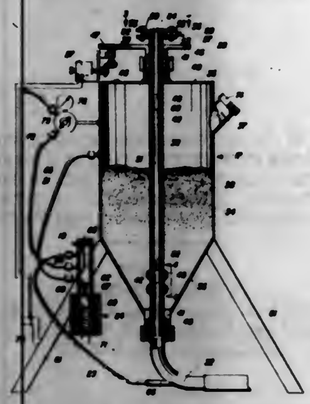


1. An awning hoist for an awning having a frame pivotally mounted on a fixed support and including a transverse outer bar comprising a pair of spaced apart nut elements pivoted on said outer bar, a pair of gear housings pivoted on said support, a rotatable screw extending from each of said gear housings and engaging the respective nut elements, and electrically actuable gear means in said housings for rotating said screws for raising and lowering said awning.

2,572,078
IRON POWDER DISPENSER
Charles R. Upham, Los Angeles, Calif.
Application May 9, 1947, Serial No. 747,116
10 Claims. (Cl. 302—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

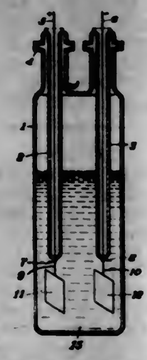
10. A dispenser comprising a container adapted to hold material to be dispensed, a first tube rotatably mounted in said container, the inside of said first tube communicating with the exterior of said container, said first tube having an opening in the wall thereof through which material

may pass from the interior of said container to the inside of said first tube and thence to the exterior of said container, an inner tube mounted coaxially and rotatably within said first tube and serving to close the opening in the wall of said first tube, said inner tube having an opening in the wall thereof effective to register with the opening in said first tube upon predetermined rotational adjustment of said inner tube within said first tube, a scoop member mounted on the outside of said first tube adjacent the opening



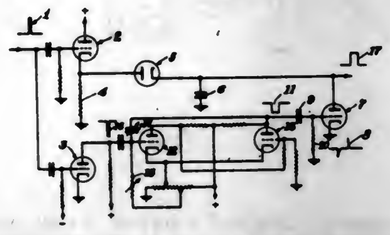
in the wall thereof effective upon rotation of said first tube to force material from said container into the opening in said first tube wall, a fluid conduit communicating with said container, a passageway through the respective walls of said tubes spaced axially from said openings through which fluid may flow from said container into said inner tube and thence past said openings, a valve in said fluid conduit, motive means for rotating said first tube, and control means for simultaneously actuating said valve and said motive means.

2,572,079
RADIATION-SENSITIVE CELLS AND METHOD OF MAKING SAME
Arthur von Hippel, Weston, and Mortimer C. Bloom, Newton Highlands, Mass., and James H. Schulman, Washington, D. C., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 13, 1947, Serial No. 734,530
17 Claims. (Cl. 136—89)



1. In a radiation sensitive device of the wet cell type, an electrode having a black velvet-like radiation sensitive coating that comprises microscopic electrodeposited selenium crystallites, said coating having been activated by treatment with electrolytically generated nascent hydrogen.

2,572,080
PULSE WIDTH CONTROLLING RELAY SYSTEM
Fred C. Wallace, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 3, 1945, Serial No. 620,142
3 Claims. (Cl. 250—27)

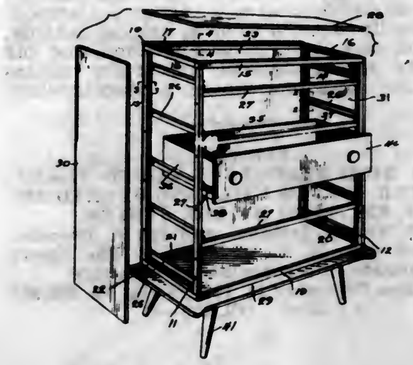


1. A system for changing the width of signal pulses comprising a source of said signal pulses, a storage device, a first coupling amplifier coupling said source to said storage device to charge it according to the output voltage of said first amplifier, a normally blocked discharge path for said storage device connected thereto and including an electron discharge device adapted upon conduction to close said path and discharge said storage device, a circuit adapted to produce a control pulse whose width is adjustable independently of the width of the input pulse, a second coupling amplifier coupling said source to said circuit so that said circuit is actuated by the signal pulses independently of the voltages appearing across said storage device, means responsive to the control pulses for rendering said electron discharge device conductive and discharging said storage device, and connections for taking off an output voltage from across said storage device.

2,572,081
FURNITURE CONSTRUCTION
Donald A. Wallance, New York, N. Y.
Application April 23, 1947, Serial No. 743,324
4 Claims. (Cl. 312—330)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

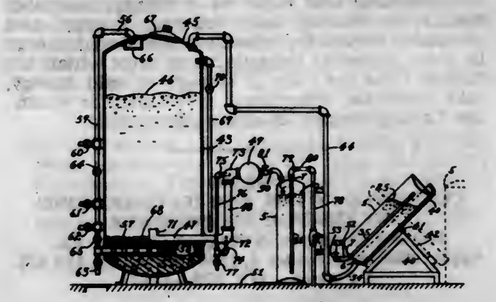
1. Furniture comprising a self-sustained skeleton frame having four rigid upright channel-shaped corner members, each of said upright corner members having a web, an inwardly facing narrow flange and an outwardly facing wide flange, a plurality of angled top and bottom girders normal to said upright members and interconnecting the ends of said upright members, a top panel and a bottom panel connected to said girders, the wide flanges of said upright members being provided with a plurality of openings, said openings being disposed near the free edges of said wide flanges and clear of said narrow flanges, side panels removably connected to the outer faces of the wide flanges of said upright members by fastening means extending through said openings, side braces carried by the narrow flanges of said upright members, said side braces being out of vertical alignment with the openings in said

wide flanges, and a front panel movably carried by said frame; said top, bottom, side and front



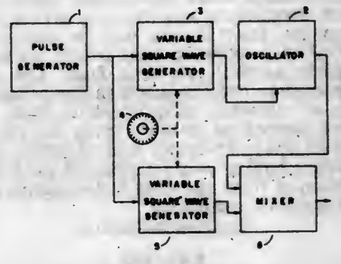
panels being normally in abutting relation so as to conceal said frame.

2,572,082
SERVICE OR RENTAL TYPE WATER SOFTENER AND MEANS AND METHOD FOR REGENERATING SAME
James E. Welsh, Burbank, Calif.
Application February 26, 1948, Serial No. 10,994
4 Claims. (Cl. 210—24)



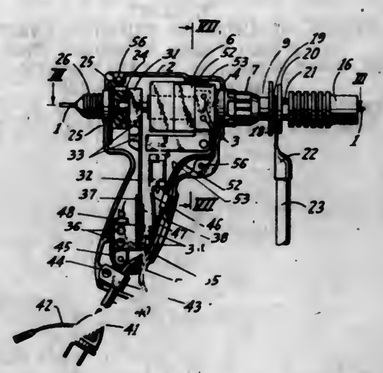
1. The method of regenerating granular water softening materials in a plurality of normally upright service tanks each having a top opening and a pipe extending into the same to a point near the bottom thereof, which comprises inverting the tanks to displace the granular material therein to the lowered upper end whereby to loosen the material therein, forcing water into the upended lower end of the tanks through the pipe extending thereinto to force the granular material therefrom out through the opening in the lowered upper end of the tank, discharging the granular material forced from the plurality of service tanks through a restricted passage to a regenerating tank having sufficient capacity to hold the charge of granular material from a plurality of said service tanks, brining and washing the combined body of granular material in the regenerating tank, and returning the regenerated granular material through a restricted passage successively to the plurality of service tanks.

2,572,083
DELAYED SIGNAL GENERATOR
Roger E. White, United States Navy
Application October 25, 1945, Serial No. 624,628
9 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A delayed signal generator comprising an input signal channel adapted to receive a pulse signal, normally quiescent oscillator responsive to the input signal operative to supply a recurrent output signal in predetermined phase relation thereto, a blocked output channel fed by the oscillator, and control means for the output channel operative responsively to the input signal to unblock the same after a time delay period to supply a delayed output signal from the oscillator.

2,572,084
WELDING ELECTRODE HOLDER CONSTRUCTION
Charles K. Wilson, East Williston, N. Y., assignor to Metallizing Engineering Co. Inc., Long Island City, N. Y., a corporation of New Jersey
Application December 7, 1948, Serial No. 64,007
9 Claims. (Cl. 219—8)



1. In a welding electrode holder, the improvement comprising an electric coil, mounted on said holder in fixed relation to electrode securing means thereof, and magnetizable armature means positioned relative to said coil to be magnetized upon electric impulse energization thereof for magnetic attraction thereby, said armature means being resiliently mounted for oscillation on said holder at pre-tuned frequency of oscillation to thereby effect upon oscillation of said armature means oscillating motion of at least the electrode securing means of said holder.

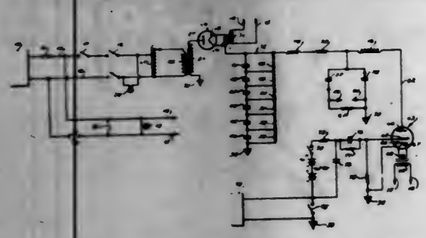
2,572,085
ALKYD RESINS
Harold Wittcoff and John Robert Roach, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application May 8, 1947, Serial No. 746,852
3 Claims. (Cl. 260—22)

1. A modified alkyd resin comprising the ester reaction product of a polybasic carboxylic acid, soybean oil fatty acids, and a non-distillable cross-linked polymeric polyhydric alcohol, said polyhydric alcohol resulting from the substantially complete condensation under alkaline conditions of glycerol dichlorhydrin with a polyhydroxy compound selected from the group consisting of pentaerythritol and glycerol, the glycerol dichlorhydrin being employed in the relative proportion of from one-half to two moles per mole of polyhydroxy compound.

2,572,086
ROSIN ACID ESTERS
Harold Wittcoff and John Robert Roach, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application May 8, 1947, Serial No. 746,854
4 Claims. (Cl. 260—26)

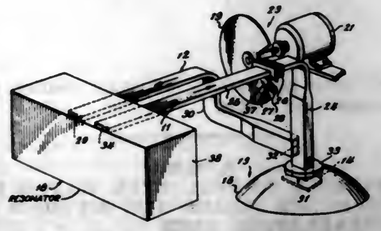
1. A rosin acid ester of a non-distillable cross-linked polymeric polyhydric alcohol, said polyhydric alcohol resulting from the substantially complete condensation under alkaline conditions of glycerol dichlorhydrin with a polyhydroxy compound selected from the group consisting of pentaerythritol and glycerol, the glycerol dichlorhydrin being employed in the relative proportion of not substantially in excess of two moles per mole of the polyhydroxy compound, and not substantially less than about one-half mole per mole of the polyhydroxy compound, said polyhydric alcohol being substantially completely esterified.

2,572,087
SPARK DISCHARGE PULSING CIRCUIT
Allen Earl Young, Lakewood, Ohio
Application September 29, 1950, Serial No. 187,648
5 Claims. (Cl. 315—230)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



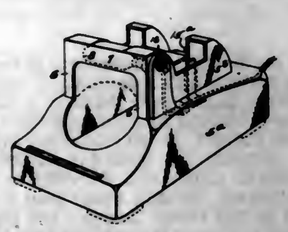
1. In apparatus of the character disclosed, in combination, source means for obtaining a high D.-C. voltage, a first capacitor connected to said source means and having said voltage applied thereacross, a second capacitor, a resistor, said second capacitor and resistor being connected in series across said source means, a gap having the terminals thereof connected across said resistor, an inductor, a normally nonconducting gaseous discharge tube having an anode, grid, and cathode, said inductor and the anode-cathode path of said tube being connected in series across said first capacitor, and means connected to said grid for causing said tube to conduct, said first capacitor and inductor, while the tube is conducting, providing an oscillatory circuit whereby the potential on said first capacitor assumes a momentary polarity opposite from its original polarity, both said capacitors discharging across said gap when the instant algebraic sum of the voltages across the capacitors attains a predetermined value.

2,572,088
ULTRA HIGH FREQUENCY CODED TRANSMITTER SYSTEM UTILIZING STORED ENERGY RECEIVED BY THE SYSTEM
Victor J. Young, Jamaica, and Jay E. Browder, Garden City, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Application December 22, 1945, Serial No. 636,995
6 Claims. (Cl. 250—8)



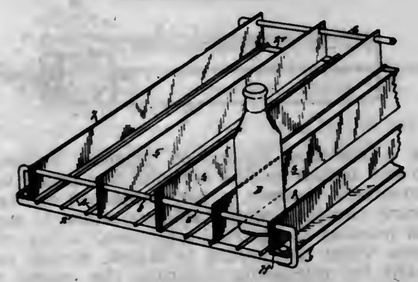
5. A beacon producing a modulated emission of radio energy in response to a relatively weak received radio wave, comprising antenna means for collecting said radio wave energy, resonator means for storing said collected energy, and switching means for releasing said stored energy in short pulses at instantaneous rates which are higher than the rate of storage of said energy, said resonator comprising a rectangular chamber having incommensurate dimensions.

2,572,089
COMBINED COVER AND ILLUMINATING MEANS FOR TELEPHONES
Marie K. Laporte, Arlington County, Va.
Application September 6, 1950, Serial No. 183,428
5 Claims. (Cl. 179—179)



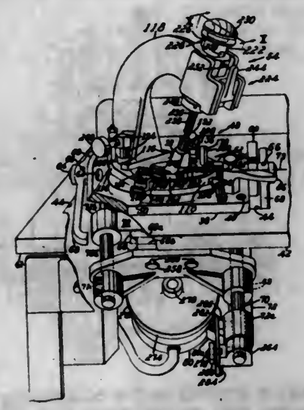
1. A thin plastic cover shell for telephones comprising a base shaped to fit over the base of a telephone, and a superstructure upon said base shaped to fit over the upper portion of the telephone, said superstructure at its front comprising a pair of upstanding tower-like members and a connecting bridge between said tower-like members, said bridge being concavo-convex in cross section, and an electric light lying within the concave side of the bridge, said tower-like members at their lower ends merging into and being integral with said base, said bridge and towers presenting a structure of open arch-like formation through the open front of which the dial of a telephone may project when the cover shell is placed upon a dial telephone, and said bridge and towers complementally tying together the opposite sides of the base.

2,572,090
REFRIGERATOR RACK BOTTLE GUIDE
Durwood D. Allen, Los Angeles, Calif.
Application May 17, 1949, Serial No. 93,740
1 Claim. (Cl. 211—184)



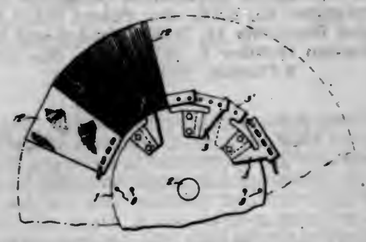
A guide device, for rows of containers, including a basal structure, a pair of horizontal, vertical-plane side walls extending from front to rear of and fixed to said structure, front and rear rails spaced above said structure and being parallel and mounted in the ends of said walls, and vertical-plane front to rear separator strips loosely suspended at their ends on said rails for lateral adjustment between the fixed walls to accommodate and guide interposed rows of given containers supported on the basal structure.

2,572,091
HEEL SLOTTING MACHINE
John W. Ashley and James F. Leahy, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 4, 1950, Serial No. 177,649
15 Claims. (Cl. 12—42)



1. In a machine for slotting heels, a rotatable cutter, means for rotating the cutter, a support having an interlocking part, a turret comprising a unit for positioning and clamping a wood heel, said turret having a pair of spaced interlocking parts and being mounted for movement about an axis to enable said interlocking parts of the turret to be moved alternately into interlocking relation with said interlocking part of the support and accordingly to cause the turret to be indexed to two positions, means for effecting translatory movement of the cutter to form slots in the heel positioned and clamped in the turret in said two indexed positions, and means for initially relatively adjusting in the same direction about said axis with relation to one of the interlocking parts of the turret the heel positioning and clamping unit of the turret and the other interlocking part of the turret, the construction and arrangement of said last-named means being such that said other interlocking part of the turret has as a result of such adjustment an angular displacement twice that of said unit.

2,572,092
WHEEL FOR BUFFING
Henry H. Bahr, New York, N. Y., assignor to Guaranteed Buff Co., Inc., New York, N. Y., a corporation of New York
Application March 26, 1948, Serial No. 17,249
20 Claims. (Cl. 51—193)

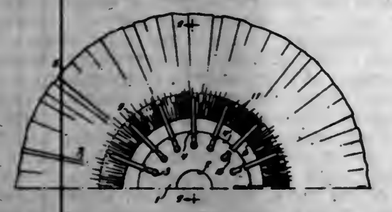


1. A buffing wheel comprising a hub having a circular periphery, a plurality of rim sections secured to said hub and extending beyond said periphery, the plane of said sections being at an angle to the plane of said hub, a plurality of pieces of fabric in the spaces between adjacent sections, each piece of fabric being substantially in a plane passing through the center of said hub, said fabric constituting a buffing surface, and means for securing said pieces to said sections including tongues in said sections, said pieces being stacked from the face of each section into contact with the face of the adjacent section, extending peripherally of said hub, said pieces having openings complementary to said tongues, the letter passing through said openings.

2,572,093
BUFFING WHEEL STRUCTURE
Henry H. Bahr, New York, and George Becker, Queens Village, N. Y., assignors to Guaranteed Buff Co., Inc., New York, N. Y., a corporation of New York
Application May 5, 1949, Serial No. 91,428
13 Claims. (Cl. 51—193)

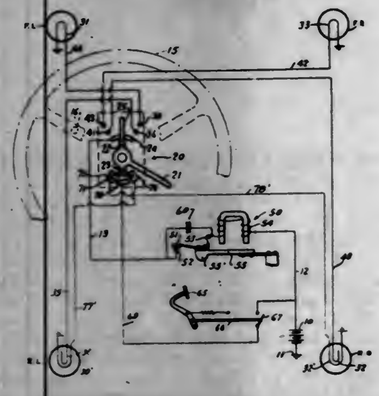
1. A buffing wheel comprising an annular body of a fabric folded at its central periphery to form a doubled-up cylinder, said cylinder being flattened forming substantially radial pleats, a ring within said fold at said inner periphery, a central disk having means for mounting on a shaft, the outer periphery of said disk being spaced from the inner edge of said folded fabric, a series of radially alined independent connector members having the inner end anchored within the

body of said disk and extending substantially radially therefrom, the outer end of said connectors
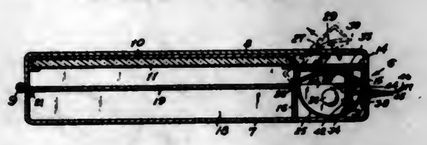


piercing said fabric adjacent to said fold and embracing said ring.

2,572,094
DIRECTIONAL SIGNAL AND CIRCUITS THEREFOR
Benjamin F. Bailey, Ann Arbor, Mich., assignor, by mesne assignments, to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application July 11, 1947, Serial No. 760,393, now Patent No. 2,560,539, dated July 17, 1951, which is a division of application Serial No. 555,717, September 25, 1944, now Patent No. 2,456,242, dated December 14, 1948. Divided and this application October 4, 1949, Serial No. 119,444
4 Claims. (Cl. 177—337)



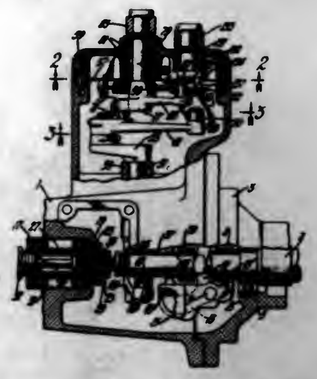
1. In a vehicle, two spaced flashing directional signals located at the front and two at the rear of said vehicle; two spaced stop warning signals for giving a steady indication located at the rear of said vehicle; circuit connections from each of said signals to a source of power; a manually settable automatically releasable directional circuit switch comprising a pivoted arm carrying a conductor plate for bridging stationary contacts located to the right and left of said plate upon manual operation of said pivoted arm; an electrically actuated periodic circuit interrupter functioning in response to the setting of the conductor plate with either of said stationary contacts to cause the intermittent energization of the direction signals; a brake pedal switch for said stop signal circuits; and additional switching means having a neutral position for effecting the energization of both said rear stop signals upon closure of said brake pedal switch, said additional switching means movable by said manually operable pivoted arm in a direction opposite to that imparted by said arm to the conductor plate to a right hand and left hand stop signal terminal for connecting the opposite rear stop signal when the directional signal on one side of the rear of said vehicle is energized.

2,572,095
AUTOMATICALLY ACTUATED ILLUMINATING MEANS FOR CONTAINERS PROVIDED WITH HINGED CLOSURES
Milton C. Baillie, Fort McPherson, Ga.
Application February 4, 1949, Serial No. 74,680
6 Claims. (Cl. 240—6.45)



3. A compact formed of hingedly connected top and bottom casing sections containing complementary recesses, a self-contained source of electric current demountable contained in one of said recesses and partially disposed in the other recess when the casing is closed, spring latch means for releasably retaining the casing sections in a closed position, a latch actuator for releasing the spring latch means, a reflector supported by one of said casing sections, a light source contained within said reflector, electrical conductor means connecting the light source and current source including a resilient conductor arm normally disposed in a circuit closing position, a cover for said reflector and light source, a resilient tongue carried by said cover for engagement with the resilient conductor arm for moving it to a circuit interrupting position when the cover is closed, and a spring hinge for normally urging said cover to an open position.

2,572,096
ENGINE CONTROL MECHANISM
Herbert F. Baker, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1948, Serial No. 59,896
7 Claims. (Cl. 264—3)



1. An engine control device comprising a housing, an engine fuel control lever movable in said housing, a member within said housing movable in response to the speed of the engine and operatively connected to said fuel control lever, said housing having an opening, a cap removably

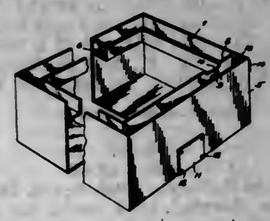
secured to the housing and closing the housing opening, said cap including manually operable means engageable with said fuel control lever and operable from outside the cap, a stop member adjustably secured to the inner portion of said cap and having spaced stops engageable by the manually operable means to limit movement thereof in preselected ranges, a detent movably mounted on the inner portion of said cap and engageable and movable by the manually operable means in each preselected range permitted by the stops of said stop member to also position and retard movement of said control means in each preselected range of movement.

2,572,097
SEPARATOR
Willem Bakker, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application October 7, 1948, Serial No. 53,300
In the Netherlands January 19, 1948
2 Claims. (Cl. 210—171)



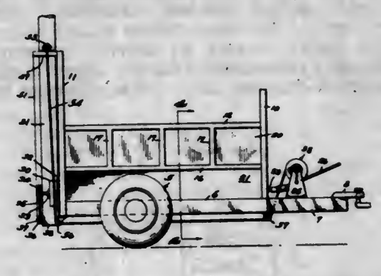
2. A separating device for use with filters or the like comprising a pair of identical elements each having a central hub portion defining a central passageway, a plurality of teeth arranged in circumferentially spaced relation extending in a common direction generally normal to the hub portion and a plurality of protuberances extending from the hub within the space defined by the teeth; said elements being arranged in mutually inverted relation with their teeth interdigitating and said protuberances interlocking to control the spacing between the interdigitating teeth, said protuberances being arranged symmetrically with respect to each other in such relation that a line connecting the center of the element with the center line of each of its protuberances defines with a line connecting the center of the element with the center of the outer surface of a tooth lying nearest the respective protuberance an angle which is one-fourth the magnitude of the angle defined between a line connecting the center of the element with the outer surface of a tooth and a line connecting the center of the element with the outer surface of the next adjacent tooth.

2,572,098
SEDIMENTATION TANK
Burr C. Baldwin, Twin Falls, Idaho
Application March 30, 1950, Serial No. 152,917
1 Claim. (Cl. 210—51)



A water supply tank through which water is circulated, comprising a body portion, a sediment trough including a vertical inner wall disposed within the body portion extended around the upper inner edge of the body portion, an end wall closing one end of the trough whereby water directed to the trough circulates through the trough in one direction, said vertical inner wall of the trough having a cut away portion formed in the upper edge thereof adjacent to one end of the trough, providing an overflow for water from said trough into the supply tank, and said inner wall having drain openings disposed in different vertical levels directly under the cut away portion.

2,572,099
GRAIN TRAILER
Calvin A. Bateman, Etna, Wyo.
Application September 27, 1949, Serial No. 118,077
2 Claims. (Cl. 214—83.16)

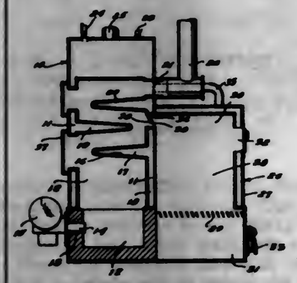


1. A grain trailer comprising a grain-receiving box, an auger mounted in said box and adapted to convey grain out of one end of the box, an elevator tube mounted upon and exteriorly of said end of the box and adapted to receive grain so conveyed, an auger in the elevator tube for conveying grain through said tube, an operative driving connection between both augers adapted to drive the augers jointly in any relative position of the elevator tube and box, and means for swingably adjusting the elevator tube in a vertical plane to selected positions of adjustment, said means comprising inner and outer guide frames mounted rigidly upon said end of the box in spaced vertical planes at opposite sides of the elevator tube, said guide frames being proportioned to engage and guide the elevator tube throughout its path of swingable adjustment, connecting members extending between said guide frames at the upper and lower ends thereof and positioned across said path to limit adjustment of the elevator tube in opposite directions, a spring connected to said tube and to one of the guide frames and tending to swing the tube in one direction, a cable connected to the tube at one end, and a winch mounted upon said box and on which the other end of the cable is wound, for swinging the tube in an opposite direction against the action of the spring.

2,572,100
BOILER WITH ADJACENT INTERCONNECTED SEPARATELY FIRED BOILER
Jack Berger, Laurelton, N. Y., assignor to Diesel Oil Burner Corp. of N. Y., Jamaica, N. Y.
Application May 20, 1948, Serial No. 28,134
1 Claim. (Cl. 122—165)

A water boiler arrangement or system including the combination, of a first double walled boiler having a first combustion chamber therein and having a first opening at the bottom of the same leading into the first combustion chamber,

the double walls in the first double walled boiler being sinuously bent back and forth in upward direction to form a sinuous flue connected to said first combustion chamber and in the upper portion being vertically spaced apart a sufficient distance to form a large upper chamber, and one side of said first double walled boiler having at least one header opening leading into the sinuous flue; a header normally closing the header opening; a fluid fuel burner extending inwardly through said first opening into said first combustion chamber; a second riser-less double walled boiler disposed exteriorly adjacent said first double walled boiler and built together therewith to form a rigid double boiler unit, said second riser-less double walled boiler having its second flue-less combustion chamber, the first double walled boiler being self-contained and having one double walled portion thereof separating the first combustion chamber therein from said second flue-less combustion chamber in said second riser-less double walled boiler, and the two boilers having an internal interconnecting opening interconnecting the upper portion of said second flue-less combustion chamber in said



second riser-less double walled boiler and an intermediate portion of said sinuous flue in said first double walled boiler; means for regulating and closing said internal interconnecting opening; means for accommodating heating means in said second flue-less combustion chamber, said second riser-less double walled boiler having a further opening in the double wall thereof providing access to said second flue-less combustion chamber within the same; a smoke stack connected to the upper portion of said sinuous flue in said first double walled boiler above and beyond said internal interconnecting opening, the latter providing communication for said second flue-less combustion chamber through the upper portion of said sinuous flue with said smoke stack; a riser connected to the large upper chamber in the upper portion of said first double walled boiler forming the space between the double walls thereof; and a plurality of pipes interconnecting the spaces between the double walls of the first boiler and of said second riser-less double boiler at least adjacent to both sides of the boilers and at different levels with respect to each other.

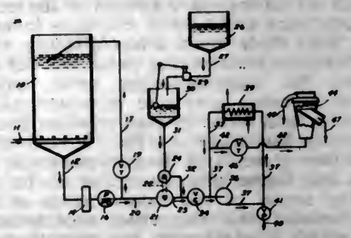
2,572,101
DRAIN FITTING FOR WASHBASINS AND THE LIKE
Leon Bloch, Cleveland, Ohio
Application January 23, 1948, Serial No. 3,727
6 Claims. (Cl. 4—295)

1. A waste fitting for wash basins and the like comprising an internally cylindrical drain conduit having a flaring upper end portion forming an annular seat and diametrically opposite recesses that provide shoulders below said seat, and a valve member having a peripheral seating portion that conforms to said seat and a pair of diametrically opposite resilient guiding and retaining arms extending downwardly therefrom and having retaining flanges extending into said recesses and engageable with said shoulders to



limit the upward movement of said valve, said arms having outwardly bowed portions above said flanges that overlie said seat in the open position of the valve and that extend into said recesses and underlie said shoulders in the closed position of the valve to yieldably retain the valve in its open and closed positions.

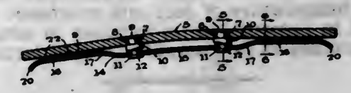
2,572,102
CENTRIFUGAL SEPARATION OF KETTLE SOAP
John W. Bodman, Winchester, and Frederick J. Squire, Milton, Mass., and George W. Busby, Jr., Baltimore, Md., assignors to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
Application September 16, 1947, Serial No. 774,280
8 Claims. (Cl. 260—418)



1. In the manufacture of soap, a process which comprises conditioning a batch of substantially completely saponified kettle soap by adding thereto sufficient water to reduce the total fatty acid content to from about 50 to about 59% by weight, agitating said conditioned soap mass to maintain it in a homogeneous condition, withdrawing a continuous stream of said conditioned soap from said mass, adding to said stream of conditioned soap a continuous stream of electrolyte proportioned to said stream of soap to further reduce the total fatty acid content to from about 45 to about 55% by weight, intimately mixing and agitating said soap and said electrolyte, maintaining said mixture at a temperature of about 190° to 200° F., and centrifuging said soap-electrolyte mixture to separate neat soap therefrom.

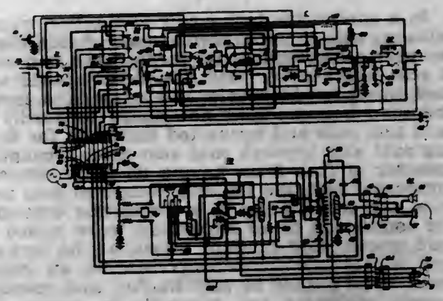
2,572,103
COLLAR CLASP
Reginald P. Borst, Washington, D. C.
Application March 7, 1950, Serial No. 148,092
2 Claims. (Cl. 24—81)

1. A collar clasp, comprising a pair of elongated bar members arranged in parallel spaced apart relation, one of said bar members being formed of yielding spring material and having its end portions bent to cooperate with the ends of the other bar member and form gripping jaws at each end of the collar clasp to frictionally grip the wings of a shirt collar, said bar member being provided with spaced elongated slots and spaced



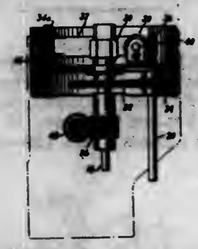
apart headed pin members carried by the intermediate rear portion of said other bar member adapted to be received in said slots to provide a pin and slot connection between said bar members, whereby pressure exerted on said yielding bar member between said connecting means will urge the end portions thereof away from said other bar member.

2,572,104
PRIVATE BRANCH EXCHANGE TELEPHONE SYSTEM
Langford J. Bowne, Saugerties, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 29, 1949, Serial No. 90,455
8 Claims. (Cl. 179—42)



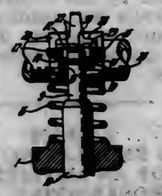
1. In a telephone exchange system, calling and called subscribers' lines each having a station thereon including a switchhook and contacts controlled thereby, a trunk line, means comprising a cord circuit for interconnecting said calling and called lines and for extending a connection from said trunk line to one of said subscribers' lines, a single calling supervisory relay, a single answering supervisory relay, each of said relays in said cord circuit, means whereby said relays are responsive to switchhook operations at the stations of said called and calling lines, respectively, when said cord circuit is used to interconnect said subscribers' lines, a bridge circuit, means controlled by said calling supervisory relay for connecting said bridge circuit across said cord circuit, means including said answering supervisory relay and said calling supervisory relay for causing said calling supervisory relay-controlled means to connect said bridge circuit across said cord circuit, means whereby said answering supervisory relay and said calling supervisory relay are responsive to switchhook operations at a called subscriber's station on a connection extended thereto from said trunk line by way of said cord circuit.

2,572,105
SELF-BURNISHING CONTACT POINT
Albert Bronstein, Brooklyn, N. Y.
Application September 1, 1948, Serial No. 47,220
2 Claims. (Cl. 200—30)



1. An ignition system including a support; a first shaft rotatably mounted on said support; ignition current means including a circuit breaker; said circuit breaker including a first contactor and a second contactor; a polygonal shaped member affixed to said shaft and adapted to move said first contactor into and out of contact with said second contactor; a bearing assembly, said bearing assembly including a pair of bearings, a second shaft, having said second contactor secured at one extremity thereof, supported through said bearings and a gear secured to said shaft and between said bearings, a third shaft rotatably mounted on said support and parallel to said first shaft, a worm gear secured to one extremity of said third shaft and adapted to engage and rotate the gear secured to said second shaft, and gearing means between said first and third shafts adapted to rotate said second contactor as said first contactor is moved in and out of contact with said second contactor.

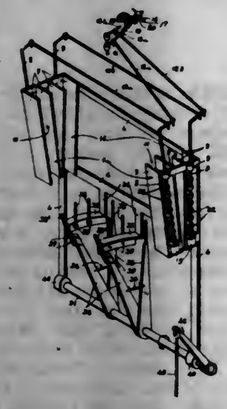
2,572,106
VALVE ROTATING DEVICE
Frank C. Burrell, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 1, 1949, Serial No. 130,525
5 Claims. (Cl. 123—90)



1. In an internal combustion engine, a poppet valve having a stem, stem guiding means accommodating axial reciprocation and rotation of the valve, a valve return spring seated at one end against the stem guiding means, a washer adjacent one end of the valve stem for retaining the opposite end of the spring, said washer being slidably carried by the valve stem for rotation and reciprocation relative thereto, an abutment on the valve stem against which the washer is normally urged by the spring, a valve operating rocker mounted for oscillatory movement about an axis laterally disposed from the valve stem and having an arm provided with end portions independently engageable with the stem and washer respectively, said stem engageable end portion being offset longitudinally of the rocker

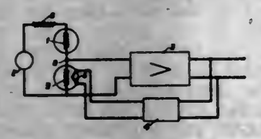
axis from the axis of the stem, there being a slight clearance between the end of the stem and its rocker arm end portion when the washer is in engagement with both its rocker arm end portion and the abutment on the stem.

2,572,107
SHUTTLE CHANGING MECHANISM
Emile Achille Butin, Villeurbanne, France
Application February 4, 1949, Serial No. 74,512
In France February 19, 1948
10 Claims. (Cl. 139—232)



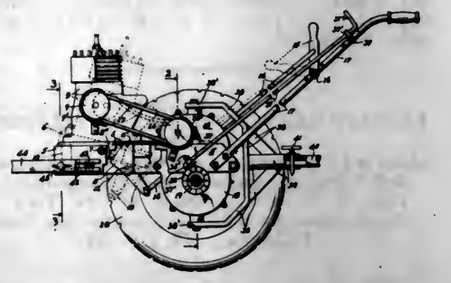
1. In a weaving loom of the type including a shuttle box, an automatic shuttle changing device and a general control mechanism, the combination of a rockable shaft arranged longitudinally of the loom, at least one stationary shuttle holder arranged radially of said shaft, a cradle including guiding arms adapted to rock in unison with said shaft under the action of the loom control mechanism and located underneath the holder, means controlled by the control mechanism for releasing at each operation of the shuttle changing device the lowermost shuttle in the holder for dropping same on to the cradle, means controlled by the control mechanism for rocking periodically said guiding arms for transferring any shuttle that has dropped on to the cradle into its operative position in the shuttle box of the loom.

2,572,108
DEVICE FOR REGULATING THE OUTPUT VOLTAGE OF AN AMPLIFIER BY MEANS OF THERMOSENSITIVE RESISTANCES
Christian Chalhoub, Paris, France
Application June 17, 1949, Serial No. 99,850
In France June 19, 1948
6 Claims. (Cl. 179—171)



1. A device for automatic gain regulation of an amplifier having input and output signal terminals, comprising a voltage divider, said divider including two thermo-sensitive resistances having negative temperature coefficients, one of said thermo sensitive resistances comprising an insulated heater for its indirect heating, a source of signal voltage connected to said voltage divider, means connecting input terminals of said amplifier to spaced apart points on said voltage divider, a circuit for supplying current to said heater and means coupling said circuit to the output signal terminals of said amplifier, whereby the temperature of said one resistance is increased in response to an increase in amplified signal voltage at said amplifier output terminals.

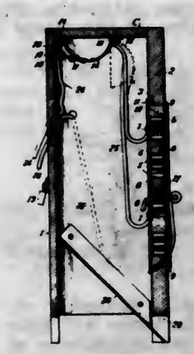
2,572,109
GARDEN TRACTOR
Gilbert C. Coates, Redlands, Calif.
Application December 10, 1947, Serial No. 790,839
1 Claim. (Cl. 180—19)



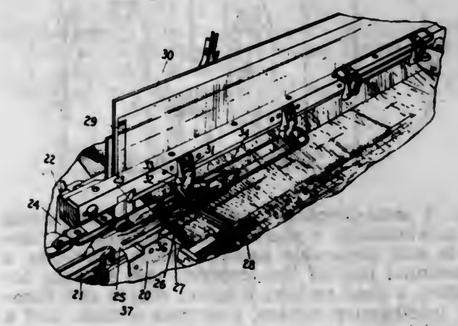
In a garden tractor, a pair of traction wheels with an axle therebetween, a pair of side plates or members extending forwardly from said axle, a gear case between said side plates at said axle and through which said axle extends, a motor mounted between said side plates forwardly of said gear case and connected therewith for driving said axle through said gear case, a coupling member of fork form having its arms pivotally connected with the top and bottom of said gear case and terminating in a connecting extension for connection to an implement to be pulled by said tractor, and coupling means at the forward end of said side plates for connecting an implement to be pushed by said tractor, said coupling means including two channels to receive the heads of bolts and tubular nuts for said bolts for tightening said heads in said channels, substantially as illustrated.

2,572,110
PUNCHBOARD AMUSEMENT DEVICE
Donald Cook, Great Falls, Mont.
Application September 12, 1949, Serial No. 115,197
3 Claims. (Cl. 273—139)

1. An amusement device comprising a hollow cabinet having an opening through one wall thereof, a punch board replaceably disposed in said opening and having a plurality of perforations therethrough, electrical contact members being removably disposed in certain of said perforations, a punch of electrically conducting material adapted for insertion in said perforations, a plurality of article holders of conducting material disposed in said cabinet for movement by gravity from a raised upright position to a tilted article discharging position, a main conducting bar extending adjacent said respective holders, and fusible links of electrical conducting material connecting said holders to said conductor bar to normally maintain the holders in raised upright article holding position, means electrically connecting each of said article holders to one of said contact members, and flexible means electrically connecting said punch in circuit with said conductor bar, whereby engagement between said punch and one of said contact members will close a circuit through the fusible link and holder associated with that particular contact member, in combination with a sloping discharge chute extending beneath said holders and said punch board to the exterior of said cabinet.



2,572,111
SHUTTLE GUARD
Paul C. Consoletti, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 28, 1948, Serial No. 67,595
13 Claims. (Cl. 139—193)



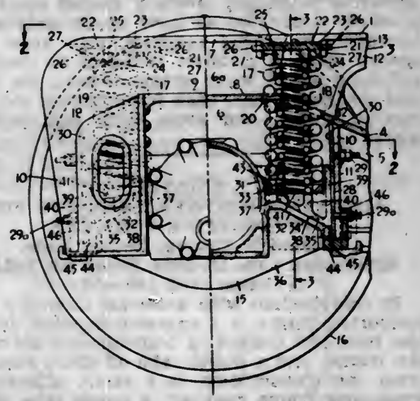
1. For a fly shuttle loom having a lay, a reed, a hand rail and a shuttle movable along said lay, a shuttle guard attachable to said hand rail and comprising a shuttle confining member and hinge means including relatively fixed and relatively movable hinge parts by which said member is attachable to the hand rail to be swung to and from active and inactive positions, and a mounting means for attaching said relatively fixed hinge parts to the hand rail which comprises means upon which the said hinge parts are slidable vertically of the rail and also angularly movable independently of the said slidable adjustment.

2,572,112
SPONGE AND SQUEEGEE CLEANER
Jerome T. Coppe, Chicago, Ill.
Application February 23, 1946, Serial No. 649,473
1 Claim. (Cl. 15—121)



A window pane cleaner, comprising a plate having an outer end portion adapted to hold a squeegee and an inner edge portion opposite said squeegee-holding end, an elongated handle secured to the back of the plate and provided with an offset engaging the inner edge portion of said plate and extending to the rear of said plate in substantially longitudinal alignment therewith, a resilient squeegee secured to the outer end of said plate and with the edge thereof inclined away from said plate and outwardly therefrom, and a sponge body having its rear surface secured to said plate and its front surface aligned with the outer edge portion of said squeegee, said squeegee extending outwardly from said plate so as to yield in a rearward direction when said sponge structure is pressed against a window pane surface to free said sponge of liquid, said squeegee having at its outer tip an edge pointed in cross-section for bearing against the window pane to free the pane of water.

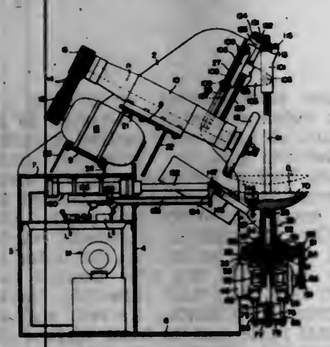
2,572,113
RAILWAY TRUCK AXLE BOX MOUNTING
Glenn F. Couch, Rochester, N. Y., assignor to The Symington-Gould Corporation, Depew, N. Y., a corporation of Maryland
Application September 12, 1945, Serial No. 615,760
23 Claims. (Cl. 105—224)



1. In a railway car truck wherein a side frame and journal box are arranged for relative vertical and transverse movements, the combination of, spaced shelves outstanding from each side of said journal box, wedge means engaging some of

said shelves and being directed thereby into frictional engagement with said side frame to snub both of said movements, spring means acting between others of said shelves and side frame, and resilient means within said spring means and acting against said wedge means.

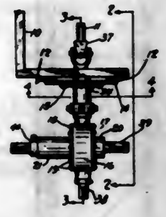
2,572,114
DISK POLISHING MACHINE
Charles C. Cratsenberg, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 2, 1948, Serial No. 18,581
9 Claims. (Cl. 51—97)



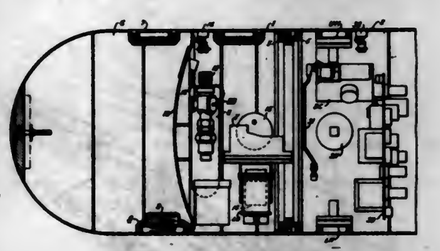
5. A disk polishing machine comprising a base including a pair of upwardly extending side plates, said plates being disposed in spaced apart relation, a rotatable shaft carrying a disk polishing wheel at its forward end mounted on said base between said plates in such a position that the axis of said shaft extends downwardly and forwardly and the plane of rotation of said wheel extends upwardly and forwardly, a supporting plate disposed between said upwardly extending base plates and lying in a plane generally parallel to the plane of rotation of said polishing wheel, a member mounted for vertical adjustment along said last mentioned plate and carrying a pair of brackets extending generally forwardly therefrom, a carrier for disks to be polished, comprising a lower disk-receiving member and a pair of upwardly extending laterally spaced apart arms pivotally connected at their upper ends to said forwardly extenting brackets, said arms being spaced apart a distance sufficient to clear said polishing wheel when swung toward the latter, and means on said base for swinging said disk carrier toward and away from said polishing wheel.

2,572,115
ADJUSTABLE POWER TAKE-OFF FOR AUTOMOTIVE VEHICLES
Wallace M. Crump, Denver, Colo.
Application June 16, 1950, Serial No. 168,579
1 Claim. (Cl. 180—53)

In combination with a tractor having a wheel supported frame, a transverse member forming the rear end thereof, a transmission carried by the frame, and a power take off shaft extending from the transmission to a point adjacent the transverse frame member; a power take off and speed reduction device for transmitting power from the power take off shaft to a machine to be driven thereby, comprising a gear reduction housing having an input shaft and an output shaft projecting therefrom in right angular relation, the housing having a tubular projection through which the power input shaft extends and from which it projects, and means for removably attaching the gear reduction housing to the transverse frame member and the input shaft to the power take off shaft, comprising a sleeve having a flange forming means for effecting a rigid connection with the transverse frame member, the inside diameter of the sleeve being so related to the outside diameter of the tubular projection that the latter will have a sliding fit therein, the relative dimensions of the tubular projection, the length of the input shaft extending beyond the end thereof, the length of the sleeve and the position of the rear end of the power take off shaft being such that an operative coupling connection can be effected between the two shafts, and means for clamping the tubular projection in operative position in the sleeve.

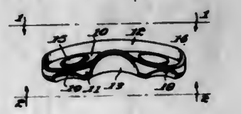


2,572,116
SECTIONALIZED TORPEDO
Thomas A. Daly, Sharpsville, Pa., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application October 7, 1946, Serial No. 701,673
2 Claims. (Cl. 114—22)



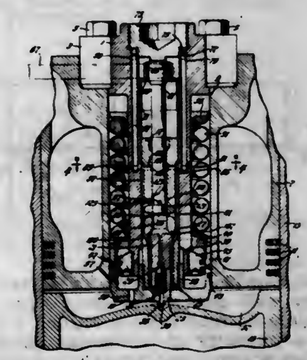
1. A semi-homing marine torpedo comprising in combination a plurality of mechanically discrete and separable sections, each providing a functional unit of the torpedo: said sections including a head section, a power source and homing intelligence section, a control section, and a propulsion section; said power source and homing intelligence section comprising an electrical power supply, and a homing intelligence system deriving its power from said supply for determining the bearing of a target from the torpedo and directing the course of the torpedo thereto; said control section comprising a gyroscopic stabilizer powered by said supply for stabilising the torpedo on its launched course prior to activation of the homing system, and switching means for enabling a change-over from gyroscopic course stabilization to homing guidance; and said propulsion section comprising an electric propelling motor deriving its power from said supply, and means electrically operated by said gyroscopic stabilizer and said intelligence system for steering the torpedo; each of said sections further including a torpedo hull portion; and means for securing the hull portions of the several sections into a complete torpedo; the interrelation between operational parts located in different sections being effected solely through electrical connections therebetween, each section being thus unitized to provide for the ready testing thereof and the ready assembly of the several sections into a complete torpedo, the disassembly of the torpedo into its component sections, and the replacement of the component sections.

2,572,117
DENTAL BITE MATRIX
George E. Dennis, Raleigh, N. C.
Application November 29, 1949, Serial No. 129,974
1 Claim. (Cl. 32—19)



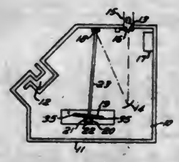
A dental bite matrix comprising a substantially flat plate having a semi-circular outer surface and having an upwardly extended flange provided with a slightly inclined inner surface, and said flange is formed on the semi-circular portion of the outer surface, the upper and lower surfaces of the matrix having spaced positioning recesses therein, and the inner edge of the matrix having a tongue receiving recess in the under surface thereof, said matrix having an arcuate upper surface and a flat lower surface and the recesses being of a depth to prevent interference of the recesses with each other on the opposite sides of the plate.

2,572,118
FUEL INJECTOR
John Dickson, Huntington Woods, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 28, 1944, Serial No. 524,217
8 Claims. (Cl. 123—32)



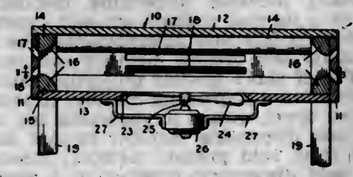
1. A pressure operated fuel injection device for an engine comprising a hollow injector body, a hollow fuel plunger slidable into one end of said body, an actuating piston attached to said plunger, cooperating abutments on said piston and said body for limiting outward movement of said piston and forming a compensating space between said piston and body, a compensating orifice in said piston to partially equalize the pressure on opposite sides of said piston, a spring between said body and piston for opposing inward movement thereof, a metering valve stem supported by said body and extending into one end of said plunger to form a pumping space in the other end thereof and a check valve and fuel injection nozzle between said pumping space and outer working face of said piston, said orifice being of a size which will regulate the flow of pressure therethrough to said compensating space at such rates that the same pressure cycle will be imposed on the outer working face of said piston at all engine speeds to give a constant point of the beginning of injection.

2,572,119
ELECTRICAL SYSTEM USING PHOTOMULTIPLIER TUBES FOR SPECTROGRAPHIC ANALYSIS
Gerhard H. Dicke, Baltimore, Md.
Application April 16, 1946, Serial No. 662,531
15 Claims. (Cl. 88—14)



15. Apparatus for automatic spectrochemical analysis of preselected lines of a spectrum having substantially different intensities, comprising a scanning unit comprising a phototube and associated slit structure, motor means for effecting movement of said scanning unit relative to the spectrum, an electrical control system for effecting a scanning cycle of operation of said motor during which said scanning unit at predetermined times in the cycle sequentially scans selected lines thereof, and switching means automatically actuated during a cycle of operation of said motor to vary the effective sensitivity of said unit for different positions thereof relative to said spectrum in accommodation of spectral lines of substantially different intensities.

2,572,120
VENTILATED TABLE
Fate A. Dixon, Durham, N. C., assignor of one-fourth to Ned May and one-fourth to Mike May, both of Durham, N. C.
Application October 14, 1949, Serial No. 121,307
1 Claim. (Cl. 230—241)



A table, comprising a casing including sides, top and bottom, horizontal bars secured to the inner faces of each side adjacent to their upper and lower edges, the horizontal bars in each

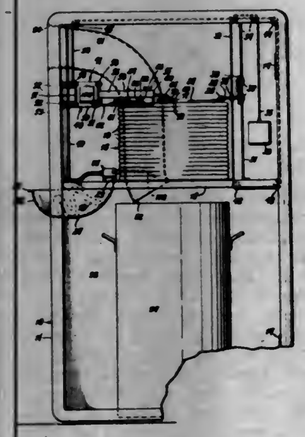
vertically spaced pair having inner vertically convex faces, the upper bars forming a group and providing sockets at the corners of the casing and the lower bars forming a group and providing sockets at the corners of the casing, each side having elongated substantially horizontal slots arranged between the bars, the convex faces of the bars terminating substantially at the outer walls of the slots, the bottom having a main opening and a fan arranged adjacent to the main opening to force air through the same, and a motor arranged beneath the bottom and mounted thereon and serving to drive the fan.

2,572,121

APPARATUS FOR DISPENSING TOWELS

Harry E. Dosberg, Eggertsville, N. Y., assignor to Ilac Products Corporation, Buffalo, N. Y., a corporation of New York

Application February 18, 1947, Serial No. 729,376
8 Claims. (Cl. 312—55)



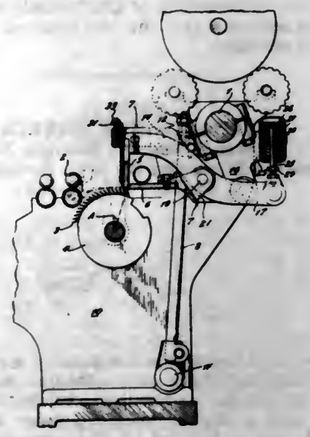
1. Apparatus for dispensing individual cloth towels one at a time from the top of a pile of such towels, comprising means supporting said pile of towels, a receiver arranged at one side of said pile, a vertically movable presser member on a side of said pile remote from said receiver and resting on a portion of the uppermost towel on said pile remote from said receiver, a vertically movable dispensing member arranged in a normal position on said uppermost towel on said pile and interengaging the same intermediate said presser member and receiver, a plurality of short bristles projecting from the underside of said dispensing member to seize the uppermost towel, means for indexing the elevation of said dispensing member in said normal position from said presser member, means for moving said dispensing member in a generally horizontal direction toward said receiver at a high rate of speed to strip said uppermost towel from said pile and to deposit it in said receiver, and means for returning said dispensing member to said normal position.

2,572,122

COMBER

John S. Dudley, Douglas, and Carl D. Brandt, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Original application November 30, 1946, Serial No. 713,394. Divided and this application May 26, 1948, Serial No. 29,285
7 Claims. (Cl. 19—116)



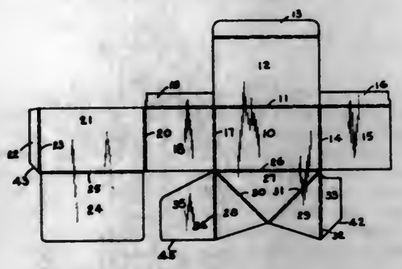
7. In a comber of the kind including a nipper-carrying frame, detaching mechanism and means for traversing the said frame toward and from the detaching mechanism, the improvement which comprises a top comb freely suspended from the nipper frame, together with means for restraining the top comb against movement relatively to the nipper frame in the direction of its traverse path.

2,572,123

SELF-ERECTING CARTON

Anthony G. Edtmiller, Milwaukee, Wis., assignor to Cornell Paperboard Products Co., a corporation of Wisconsin

Application September 20, 1947, Serial No. 775,183
4 Claims. (Cl. 229—41)



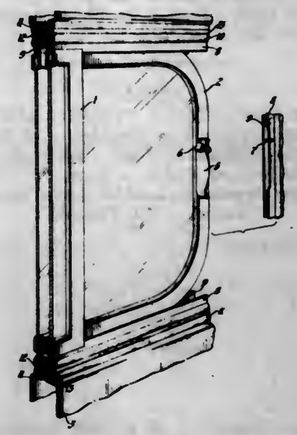
1. A carton blank comprising in series connection four wall panels and score lines providing hinge joints therebetween, a folding bottom comprising a plurality of triangular panels, one of which has a score line providing a hinged connection between it and one of the wall panels, another of the triangular bottom panels being provided with a supporting panel approximately equal in width to a wall panel contiguous to that first mentioned, another wall panel opposite to the wall panel first mentioned being provided with a false bottom having a score line providing a hinged connection upon which the false bottom is movable from a folded position to a position overlying the triangular bottom panels and marginally abutting the supporting panel.

2,572,124

WINDOW CONSTRUCTION

Ferdinand R. Eichner, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 14, 1946, Serial No. 676,713
4 Claims. (Cl. 189—64)



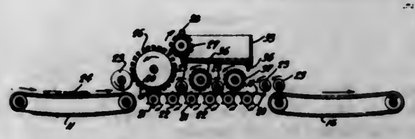
4. In a construction of the character described, a pair of spaced runners, a slidable sash engaged at opposite sides by said runners, a body having a window opening provided with a mounting flange in closely spaced relation with each runner and elastic deformable connector means occupying the space between and joining said flange and said runners and having locating grooves to embraceably receive flange and runner marginal portions.

2,572,125

FUR CARROTING MACHINE

Joseph F. Ellis, Danbury, Conn.

Application February 2, 1949, Serial No. 74,102
4 Claims. (Cl. 69—28)



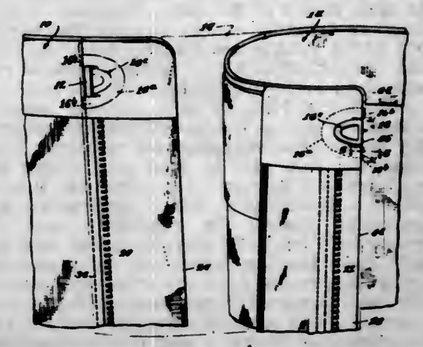
1. In a fur carroting machine, a plurality of spaced slats for supporting a pelt thereon, a plurality of rollers rotatably mounted below said slats and having spaced pins mounted thereon adapted to extend into the space between adjacent slats to penetrate the pelt and propel it along the slats, a brush rotatably mounted above the slats to apply a carroting solution to the fur pelt, a second brush located above said first brush for supplying carroting solution to said first brush, and a perforated pipe for supplying carroting solution to said second brush.

2,572,126

TROUSER WAISTBAND FASTENING MEANS

Angelo C. Falone, Northfield, and Richard H. Alschuler, Glencoe, Ill.

Application April 29, 1950, Serial No. 158,972
3 Claims. (Cl. 2—234)



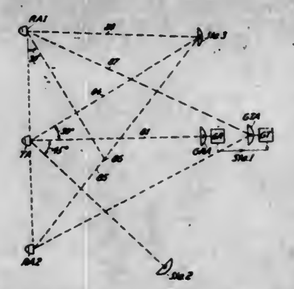
1. In a trouser having a front fly construction, the combination of a split waist band, one end of said waist band formed of an inner and an outer ply of cloth, each ply formed with an inturned edge fold at the fly portion, the edge fold of the outer ply being forward from the edge fold of the inner ply, the edge fold of the outer ply having a folded reinforcing strip therein, the fold of said reinforcing strip bearing against the fold of said outer ply, fastening means located at the edge fold of said inner ply near the top of the fly portion, said fastening means comprising a U-shaped member having one leg between said inner and outer plies, its bend around the edge fold of said inner ply and its free leg adjacent the inner side of said inner ply, said first leg having shoulders projecting forward beyond said bend positioned inside the fold of said reinforcing strip and bearing against the said fold of the reinforcing strip whereby forward movement of said fastening means is prevented, reverse movement being prevented by engagement of its bend against the edge fold of said inner ply, and a cooperating member on the other end of said waist band for engaging the free leg of said fastening means.

2,572,127

AIRWAY TRAFFIC CONTROL SYSTEM

Oscar S. Field and Sedgwick N. Wight, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application November 30, 1944, Serial No. 565,858
10 Claims. (Cl. 343—11)



4. In a radio route delineating system for guiding pilots on airplanes; the combination with a

transmitting antenna and two receiving antennas carried by an airplane, said receiving antennas being located along a line substantially parallel to the transverse axis of the airplane and a predetermined distance apart; a ground located radio re-radiating station which when activated by radio energy of a particular frequency radiates radio energy of the same frequency, whereby if such re-radiated energy reaches the airplane from which it was transmitted from any other point than straight ahead phase displaced radio energy is received in said two receiving antennas; a cathode-ray tube on said airplane including an electron gun, a fluorescent screen and scanning means for sweeping an electron stream emitted by said gun to scan said screen in a predetermined manner; an electronic tube including a control grid and a suppressing grid; suppressing means for rendering said suppressing grid active to thereby render said electronic tube inactive when out of phase radio energies are received by the respective receiving antennas; phase shifting means effective when rendering active to modify the phase of the radio energy received by one of said receiving antennas to match the phase of radio energy received by the other receiving antennas; means for rendering said control grid active each time radio energy is received by one of said receiving antennas; and means governed by said scanning means effective to render said phase shifting means active and thereby permit said electronic tube to be active whenever the fluorescent screen in said cathode-ray tube is being scanned by its electron stream in an area on said screen corresponding to the location of the ground located re-radiating station from which such radio energies were transmitted.

2,572,128

CONCENTRATION OF ORGANIC ACIDS

Fred Fortess, Summit, Arnold J. Rosenthal, Madison, and Blanche B. White, Summit, N. J., assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware

No Drawing. Application December 17, 1949, Serial No. 133,686
14 Claims. (Cl. 260—540)

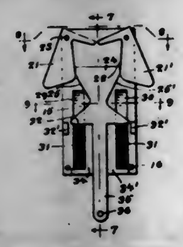
1. In a process for the concentration of dilute aqueous lower aliphatic acids, the step which comprises extracting the dilute lower aliphatic acids with a solvent mixture containing a trialkyl phosphate and a hydrophobic diluent capable on distillation of forming with water an azeotrope having a boiling point below the boiling point of the acids.

2,572,129

LOCK FOR VEHICLE DOORS

Aimel Fuller, Hawthorne, Calif.

Application April 12, 1949, Serial No. 86,905
2 Claims. (Cl. 292—45)



1. In a locking mechanism, a pair of spaced parallel plates secured together, a pair of arms positioned between said plates and each pivotally connected thereto, a plunger slidably positioned between said plates for causing pivotal movement of said arms, said plunger being cut away to define a first pair of inclined shoulders, and a second pair of inclined shoulders arranged below said first pair of shoulders, said plates being each provided with a pair of spaced longitudinally extending grooves, coil springs seated in said grooves, a pair of projections extending from the lower end of said plunger for engaging said coil springs, a pair of spacer members projecting from one of said plates for maintaining the plates in proper spaced relation, and a pair of L-shaped support members arranged between said plates and adapted to be engaged by the lower end of the plunger.

2,572,130

HIGH-FREQUENCY TUNING DEVICE

Joe D. Funderburg, Los Angeles, and Burton P. Heinmiller, Glendale, Calif., assignors to Gille Bros., Hollywood, Calif., a firm

Application December 1, 1949, Serial No. 130,536
2 Claims. (Cl. 178—44)



2. The combination, in a high frequency tuning device of a hollow metal cylinder having diametrically opposite slots extending through the cylinder wall from one end to a point near the other, an adjustable shorting bar in the form of a metal collar surrounding said metal cylinder and movable axially on said metal cylinder, metal stator-plate-supporting means on the inside of said metal cylinder circumferentially intermediatie said slots, diametrically opposite metal stator plate assemblies secured to said metal stator-plate-supporting means, said assemblies each comprising a series of axially spaced metal stator plates each of approximately the form of a semi-disc, a metal rotor plate assembly comprising a series of metal rotor plates approximately of the shape of the stator plates spaced axially intermediate the stator plates, and means to concentrically support the rotor assembly within the stator assembly.

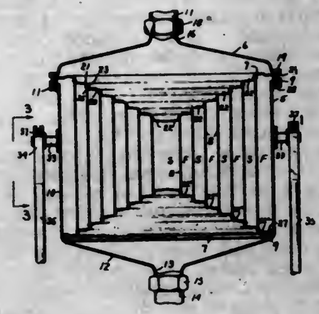
2,572,131

STRAINER

Edwin J. Galloway, Neenah, Wis., assignor to Neenah Milk Products Company, Neenah, Wis., a corporation of Wisconsin

Application September 21, 1950, Serial No. 186,006
4 Claims. (Cl. 210—184)

1. In a strainer, the combination of a container, a removable cover for said container, a partition member adjacent the bottom of the container, a partition adjacent the top of said container, each of said partition members comprising a conically shaped member having annular step portions, the bottoms of alternate stepped portions having apertures therein, the apertures of one member being offset one step from those of the other member, a series of perforated tubes having their ends contacting the backs of said step portions in sealed relation therewith, means for clamping said tubes between said partition members, and means for clamping said partition members in sealed relation with the interior of said container.

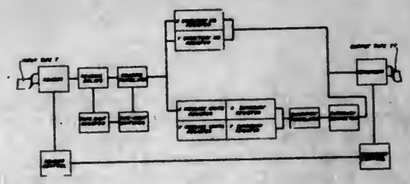


2,572,132

TRANSCRIBING AND SUMMARIZING SYSTEM

Henry A. Giroud, New York, N. Y., and Gordon C. Irwin, Fair Haven, and Lindley A. Kille, Morristown, N. J., and John B. Retallack, New York, and George Riggs, Port Washington, N. Y., and Walter B. Strickler, East Orange, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 27, 1949, Serial No. 89,922
20 Claims. (Cl. 235—61.7)



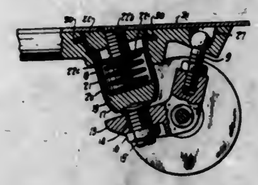
7. A transcribing and summarizing system comprising in combination a record having successive entries recorded in lines thereon, each entry comprising an index and a quantity recorded in one line or an index recorded in one line and a quantity recorded in another line, means for reading the lines of said record successively, a first register responsive to said reading means for successively registering the data in successive lines of said record, a second and a third register alternately responsive to said first register for registering indices registered therein, means responsive to said second and to said third register for comparing indices registered therein, a fourth and a fifth register alternately responsive to said first register for registering quantities registered therein, means responsive to said fourth and to said fifth register for totaling quantities registered therein, two total registers alternately responsive to said totaling means for registering totals, and means responsive to said comparing means for recording an index registered in said second or said third register and a total registered in one of said total registers.

2,572,133

ROLLER SKATE TRUCK CONSTRUCTION

Thomas C. Glenn, Berea, Ohio

Application June 11, 1947, Serial No. 753,921
6 Claims. (Cl. 280—11.28)



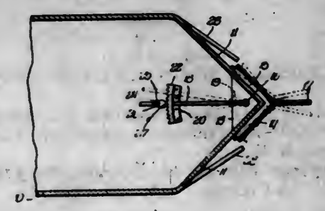
1. In a roller-skate, a truck, a bar, an appliance connecting said truck and bar and comprising; a stud provided with a head having a spherical surface with an axis normally oblique with respect to a floor and in connection with said truck, a container having interiorly a spherically-surfaced end and firmly connected with said bar, said spherical surfaces being appositioned, the upper margin of said container being oblique relative to its axis and a tread-plate contacting said margin and secured thereacross to said bar.

2,572,134

AIRPLANE RUDDER

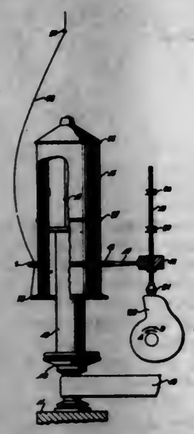
Michael Gliwa, Chicago, Ill.

Application June 10, 1946, Serial No. 675,607
1 Claim. (Cl. 244—87)



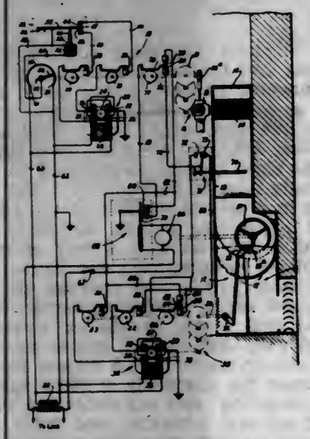
In an airplane, including a fuselage having at the rear end thereof a pair of diverging end walls connected at their inner ends, said ends defining a corner, a rudder device comprising a bearing mounted within said corner, a trough-like member disposed adjacent said corner and having the sides thereof respectively in a spaced substantially parallel relation with the adjacent end walls in a medial position of the rudder device, said trough-like member including a pair of horizontal end plates and a pair of connected vertical plates forming the sides thereof, a rock-post journaled within said bearing, the ends of said rockpost being rigidly connected with said horizontal end plates, a rudder plane rigidly connected with said vertical plates substantially at the juncture thereof, and means for rocking said rockpost for angularly shifting said rudder plane horizontally, and air deflecting plates extending from said diverging end walls, the free ends of said air deflecting plates being substantially in alignment with the free edges of said vertical plates in their medial position.

2,572,125
APPARATUS FOR TWISTING THREADS
Conrad Joseph Gonsalves, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application January 11, 1949, Serial No. 70,242
In the Netherlands April 13, 1948
6 Claims. (Cl. 57—74)



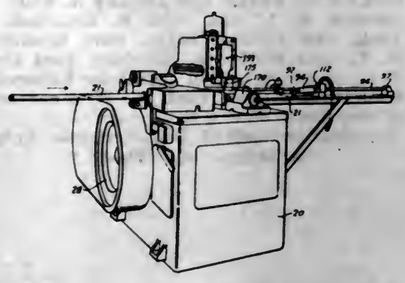
1. In apparatus for twisting thread involving the use of a collecting bobbin and a twister cap together with means for causing relative reciprocation therebetween, and a thread guide positioned above the cap, the improvement which comprises means interposed between the lower edge of the twister cap and the thread guide positioned above the cap for tensioning thread and means for moving said tensioning means to progressively increase this tension during the twisting operation.

2,572,126
MULTIPLE TEMPERATURE CONTROL SYSTEM
Theodore K. Greenlee, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application July 29, 1950, Serial No. 176,743
5 Claims. (Cl. 236—37)



1. A temperature control system having, in combination, a valve actuating shaft movable between valve open and valve closed positions, a reversible power actuator therefor, a thermostat controlling the operation of said actuator to change the position of said shaft in proportion to ambient temperature changes, a damper operating member movable between closed and open positions through a predetermined partially open third position, a reversible motor for said member, a thermostatic switch controlling said motor to move the member to said open position in response to a rise in the ambient temperature above a predetermined value and to said third position in response to a temperature fall below such value, switching mechanism actuated in response to changes in the position of said shaft and operable to place said motor under the control of said thermostatic switch when the shaft is in closed or partially open position but out of such control when the shaft is in said open position, and switching means actuated by said shaft and operable to control said motor independently to cause the same to move said member to said closed position.

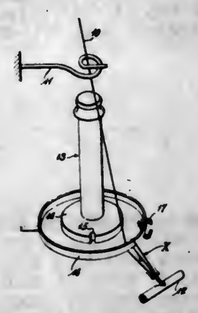
2,572,127
TUBE SEVERING MACHINE
Fred Grieder, Bowling Green, Ohio
Application May 11, 1949, Serial No. 92,567
6 Claims. (Cl. 164—49)



4. An automatic tube cut-off machine, which comprises a plurality of feed rolls for feeding tube stock to the machine, a stop located in alignment with and engaged by the stock after it is fed through the feed rolls, a vise adapted to clamp the stock at a point intermediate the feed rolls and the stop and having a stationary jaw and a movable jaw for clamping the stock during a severing action, cutter means for severing the stock, means actuated by the stop when moved by the feeding stock to actuate the cutter means to sever the stock, a slide member for laterally positioning the feed rolls, means operated in timed relation with the cutter means for moving the slide member in a direction such that the feed rolls carry the stock away from the stationary vise jaw after completion of the cutting operation.

2,572,128
METHOD OF THREADING RING TWISTING MACHINES
Ernest J. Grisset, Jr., Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application February 7, 1951, Serial No. 209,785
2 Claims. (Cl. 57—156)

1. A method of initially threading a ring twister with a running thread that comprises leading the running end of thread to a point of temporary collection in a path generally parallel to the twister spindle, collecting succeeding portions of the running thread at said point while drawing a loop of the running thread down through the ring, conducting the running loop to the same point of temporary collection, cutting the stationary loop that is thus formed around the ring whereby the running end of thread is continuously drawn under the ring and collected at the point of temporary collection, guiding the thread through the traveler, trapping the thread on the bobbin, initiating rotation of the bobbin and breaking the thread between the point it is trapped and the point of temporary collection.

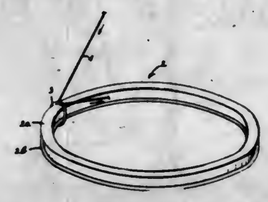


2,572,139
PHONOGRAPH REPRODUCING DEVICE
Stanley A. Hall, Vancouver, British Columbia, Canada
Application March 12, 1946, Serial No. 653,732
4 Claims. (Cl. 179—100.41)



4. A phonograph record pick up comprising, an electromechanical translating device for producing electrical variations in accordance with mechanical torsional vibrations along an axis thereof, a torsional vibration transmitting arm having a first and a second arm portion, said first arm portion being substantially U-shaped with one leg thereof firmly fastened to said electromechanical translating device, said first arm portion having sufficient elasticity to provide a spring action tending to retain its original shape, said second arm portion having a first end fastened to the other leg of said U-shaped first arm portion, said second arm portion being substantially straight and extending along the axis of said electromechanical translating device, a second end on said second arm portion, a stylus in firm metallic contact with said second end of said second arm portion and extending transversely thereof to engage a phonograph record under the urging of said spring action of said first arm portion, and a vibration damping mass of soft rubber axially mounted on said stylus and extending transverse of said second arm portion on the opposite side thereof from said stylus.

2,572,140
SYNTHETIC TRAVELER AND RING
Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 20, 1950, Serial No. 150,742
7 Claims. (Cl. 57—125)



5. In a device for spinning and twisting yarns and threads, the combination of a ring composed of synthetic sapphire and a traveler composed of synthetic sapphire, said traveler being movably mounted on the ring.

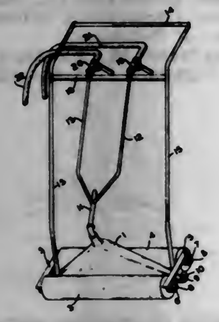
2,572,141
CONDENSATION OF ALDEHYDES
Leonard W. Harris, Richmond, Calif., assignor to California Spray-Chemical Corporation, Richmond, Calif., a corporation of Delaware
No Drawing. Application February 11, 1946, Serial No. 646,967
5 Claims. (Cl. 260—613)

1. A condensation reaction involving the reaction of an aldehyde and an aromatic compound possessing an active ring hydrogen atom and containing at least one radical —OR', in which R' is selected from the group consisting of hydrogen and an alkyl radical, which comprises dissolving said reactants in a mutual water-immiscible solvent, subjecting the resulting solution to reflux distillation in the presence of 1–5% by weight based on the total reactants of a catalyst comprising a finely-divided unreactive absorptive solid impregnated with surfuric acid and preventing the return of condensed water to the reaction system.

2,572,142
CARPET RINSING APPARATUS
Henry C. Hartenbach, Jr., St. Louis County, Mo.
Application September 27, 1948, Serial No. 51,393
4 Claims. (Cl. 15—3)

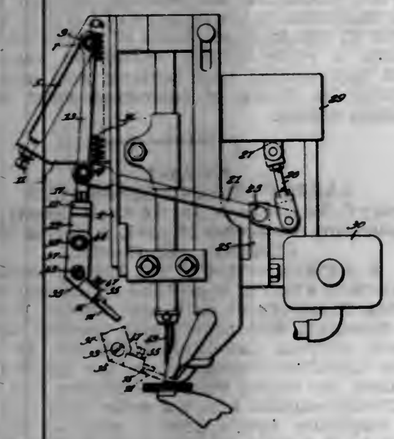
1. A portable carpet or rug rinsing apparatus comprising a pair of supporting cylindrical rollers having trunnions at each end thereof, a frame for mounting said rollers with parallel axes in spaced advance and trailing relation, an elongated manifold trunnioned on the frame intermediate the rollers with its trunnion axis symmetrically parallel with the roller axes and with the respective axes spaced a material distance apart to thereby provide a zone of material extent intermediate vertical planes extending through the roller axes and within which zone the manifold is trunnioned, said manifold having a nozzle below the trunnion axis with the nozzle movable about such trunnion axis of the manifold through a limited arcuate path sufficiently above

the floor plane as to permit free discharge of rinsing content from the manifold in all positions of the nozzle within such path, said manifold having an inlet at its top for the rinsing fluid content, a skeleton frame leading upwardly from the manifold for operator service in manipulating the apparatus, and controllable air and water carriers supported by the skeleton frame and operatively connected to said manifold inlet for
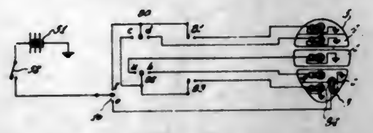


supplying said manifold with rinsing fluid under pressure, said apparatus presenting an isolated rinsing zone between the rollers through downward pressure on the skeleton frame by the operator, said rollers during advance of the apparatus being active in applying pressure to the top of the carpet or rug to remove liquid therefrom with the advance roller active in removing previously applied cleansing fluid and with the trailing roller active in removing the rinsing liquid.

2,572,142
THREAD-CUTTING DEVICE
George Basselton, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 27, 1948, Serial No. 29,600
In Great Britain June 26, 1947
11 Claims. (Cl. 112—252)



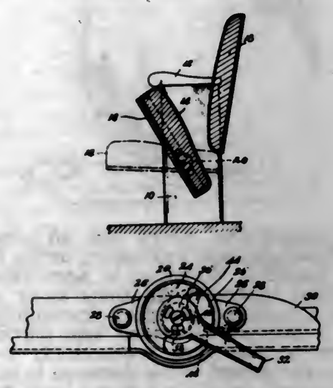
1. A device for cutting and controlling a loop of thread in a shoe sewing machine, having a pointed thread cutting knife mounted for movement in the direction of its point toward and from a loop of thread, in combination with means movable with the knife toward and from the loop of thread to deflect the thread of the loop against both edges of the knife at opposite sides of its point.

2,572,144
AUTOMATIC RATE OF SPEED-CHANGE SIGNAL SYSTEM
Donald V. Healy, Gardiner, N. Y.
Application July 11, 1947, Serial No. 760,467
11 Claims. (Cl. 177—311.5)



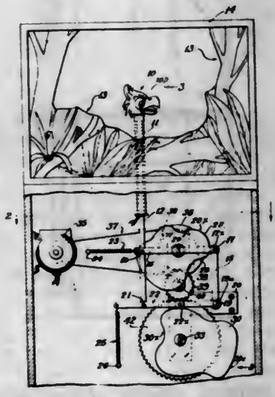
1. A rate of speed-change indicating system comprising in combination, a signal device having at least two indicators, a rotatable shaft, the rate of change of speed of which is to be indicated, a member pivotally supported at its center of mass on the axis of said shaft, a flywheel rotatably mounted on said member on an axis at right angles to said shaft and normally lying in a vertical plane, and a gear train for driving said flywheel from said shaft, changes in the speed of rotation of said flywheel causing pivotal movement of said member to actuate one of said indicators for positive acceleration of said shaft of a predetermined value or greater, and to actuate the other of said indicators for negative acceleration of said shaft of a predetermined value or greater.

2,572,145
CUSHIONED AND HINGED SEAT STRUCTURE
Severin B. Hendrickson, Templeton, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application July 31, 1948, Serial No. 41,768
5 Claims. (Cl. 155—85)



1. A cushioned and hinged seat structure composed of spaced standards, an interposed seat, and connections between the standards and seat including aligned sleeves secured to opposite sides of the seat, a concentric shaft secured to each standard, and a cylindrical resilient body secured to the surface of each shaft and the inner surface of each sleeve and having a substantially segmental open recess therein located within each sleeve and beneath its shaft, thereby cushioning the seat while occupied, and being initially free of torsional stress when the seat is in elevated position thereby tending to restore it to such position when unoccupied.

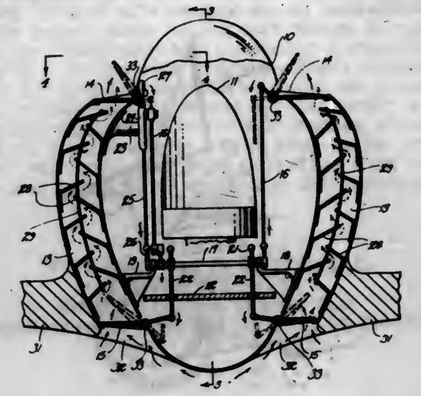
2,572,146
TARGET WITH IRREGULAR MOTION
Earle G. Henry, Wilmette, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application February 10, 1949, Serial No. 75,538
3 Claims. (Cl. 273—105.2)



1. An irregular target movement comprising a primary arm pivotally anchored near one end, a spring urging said arm in a first direction, a first cam having an irregular cam pattern and rotatable to displace said arm oppositely to said first direction, a secondary arm normally parallel to said primary arm and a second spring urging the same in a second direction angularly displaced from said first direction, a second cam having an irregular cam pattern and rotatable to displace said secondary arm oppositely to said second direction, a tertiary link arm pivotally mounted at the aforesaid anchorage and pivotally connected remotely therefrom to said secondary arm, and a quaternary target arm pivotally joined to said primary and secondary arms and including an extension with a target thereon, operation of said cams and springs effecting an irregular displacement of said target arm as a function of the pattern of said cams and drive means including a driven gear for each said cam, and a driving gear common to said driven gears.

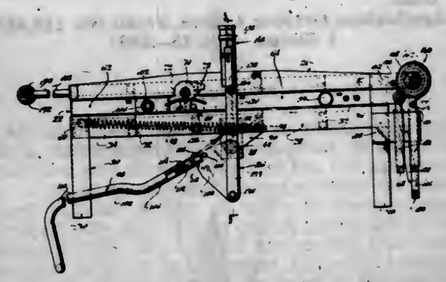
2,572,147
AIRCRAFT WITH ADJUSTABLE GLIDE CONTROL CHANNELS
Benjamin F. Heer, La Crosse, Wis.
Application September 26, 1947, Serial No. 776,385
1 Claim. (Cl. 244—139)

In an airplane, the combination which comprises a fuselage having arcuate outwardly bulging side walls, wings extended laterally from the fuselage, said wings having vertically disposed openings extended therethrough and positioned against the side walls of the fuselage, arcuate vertically disposed channels mounted against the outer surfaces of the side walls of the fuselage and positioned with the lower ends thereof extended into the said openings through the wings, staggered upwardly inclined baffles extended inwardly from opposite sides of the said channels for retarding upward passage of air therethrough, closure plates pivotally mounted on the upper and lower ends of the said channels, a hand lever positioned in the fuselage,



and means operatively connecting the said hand lever to the closure plates.

2,572,148
PHOTOGRAPHIC PRINT DRYING AND MOUNTING APPARATUS
Dwight H. Hester, Chicago, Ill.
Application July 29, 1949, Serial No. 107,594
29 Claims. (Cl. 34—144)

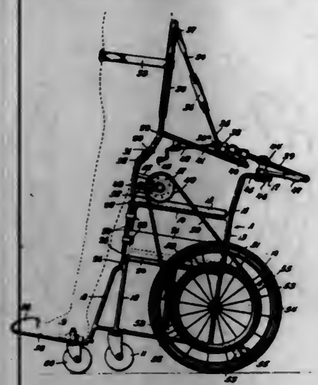


1. A photographic print drying and mounting apparatus comprising a base frame, a top pressure frame, a heating plate disposed between said base frame and said top pressure frame, means pivotally mounting said heating plate relative to said base frame, means pivotally mounting said top pressure frame relative to said heating plate and to said base frame, a spring mechanism acting between said top pressure frame and said base frame for biasing said top pressure frame away from said base frame and said heating plate, and a locking mechanism for holding said base frame, said heating plate and said top pressure frame in superposed position against the effect of said biasing mechanism.

2,572,149
WHEEL CHAIR ATTACHMENT
Thomas Frank Hind and Alfred Leon Hind, Pen Mar, Pa., assignors to Sylvia Hind, Pen Mar, Pa.
Application June 3, 1949, Serial No. 96,982
10 Claims. (Cl. 155—30)

1. An attachment for a wheel chair comprising detachable supporting means adapted to be clamped to the foot rests of a wheel chair to support the front end thereof and prevent over-

turning when said foot rests are supporting the weight of a person, and adjustable person supporting means adapted to be detachably clamped



to the wheel chair to enable said person to be supported in an upright position on the wheel chair foot rests.

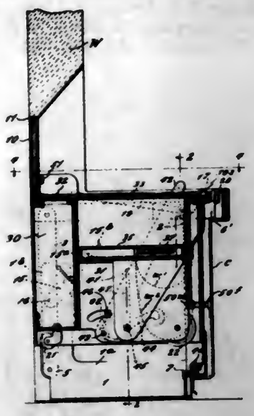
2,572,150
STEEL WOOL PAD
Richard P. Hood, London, and Charles W. Gebhardt, Springfield, Ohio, assignors to The Williams Company, London, Ohio, a corporation of Ohio
Application October 4, 1949, Serial No. 119,452
1 Claim. (Cl. 15—209)



An abrading device comprising a self-sustaining mass of metallic wool, the central portion of which is relatively free and yielding, and a highly compressed flattened, essentially hard thin blade at the rim portion and providing a stiffened region to afford greater abrasive properties and to retain the shape of the mass, said rim portion being retained in its highly compressed state solely by deformation of the wool under compression.

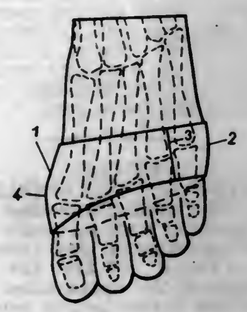
2,572,151
STORING AND SERVING DEVICE BY MEANS OF WHICH FOOD MAY BE WARMED AND/OR COOKED
Boris Hoppe, Kew Gardens, N. Y.
Original application March 13, 1943, Serial No. 479,043. Divided and this application November 9, 1944, Serial No. 562,600
7 Claims. (Cl. 20—1.11)

1. In a food serving device comprising an outer cabinet having tracks disposed in the upper inside portion thereof, the combination therewith of an inner cabinet supported on said tracks at a point above the bottom of said outer cabinet, link members pivotally fastened to the outer cabinet and to said tracks, said link members enabling said inner cabinet to be swung from a first position inside said outer cabinet



to a second position outside of and on the same bottom level as said outer cabinet, co-operating means secured to said outer cabinet and to said tracks adapted to retain said link members in a position corresponding to said second position, and means by which the inner cabinet may be removed from the tracks.

2,572,152
SPLAYFOOT BANDAGE
Heinrich Horlacher, Lutzenberg, Switzerland
Application January 9, 1950, Serial No. 137,611
In Switzerland May 23, 1949
1 Claim. (Cl. 128—80)



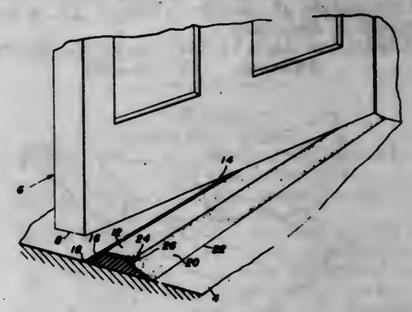
A bandage for the ball of a human foot to correct injuries resulting from splayfoot comprising an endless band formed for encompassing the ball of the foot, said band having a triangular recess formed therein with the sides thereof joined together and positioned for laying beside the great toe of the foot when in use and said band being formed from a flexible material which is elastic laterally of the band and non-extensible longitudinally thereof.

2,572,153
ALIGNING MEANS FOR FOLDING PARTITIONS
Walter J. Horn, Fort Dodge, Iowa, assignor to Horn Brothers, Fort Dodge, Iowa, a partnership
Application January 21, 1950, Serial No. 139,916
4 Claims. (Cl. 160—206)



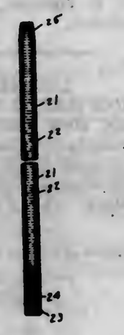
1. In a folding partition wherein a series of upright partition sections are hinged together for unfolding movement outwardly from a side wall of a room to a room partitioning position and for folding movement against each other to a room opening position adjacent to said side wall of the room, a track means supported from the ceiling of the room, means movable longitudinally of said track means and connected with the upper ends of certain of said sections to support said partition for folding and unfolding movement, an upright abutment member for engaging the leading edge of an end section of said series of sections, when said partition is in a room partitioning position, having a longitudinal groove formed in the side thereof which engages said end section, said groove being of a tapered construction so that its upper end is wider than its lower end, and an alignment member extended longitudinally of the leading edge of said end section receivable within said groove, with the upper end of said alignment member being arranged so as to lead the lower end thereof, and with the thickness of the alignment member being substantially equal to the width of said groove at the lower end thereof.

2,572,154
THRESHOLD
Roy Howard, Vero Beach, Fla., assignor of thirty-three and one-third per cent to Merrill F. Barber, Vero Beach, Fla.
Application August 14, 1950, Serial No. 179,301
2 Claims. (Cl. 20—64)



1. A threshold for use in a doorway comprising an elongated solid one-piece block of rubber, the latter being polygonal in cross-section and having a smooth flat bottom suitable for glued retention on a floor or the like, having a flat top narrower than said bottom and sloping gradually inwardly and downwardly, said top constituting a tread, having an inwardly and downwardly inclined interior side surface on an approximate thirty degree angle joining said bottom in acute angular relationship and combining therewith to provide a feather edge and to facilitate sweeping floor dirt and dust from a room over the threshold unobstructedly, having an outwardly and downwardly inclined outer side surface pitched also on a thirty degree angle, and, finally, provided with a V-shaped lip projecting from said top and overhanging said outer side surface.

2,572,155
VIAL FOR USE IN ARTIFICIAL INSEMINATION
Robert H. Hoyt, Converse, Ind.
Application October 1, 1949, Serial No. 119,174
1 Claim. (Cl. 128—272)

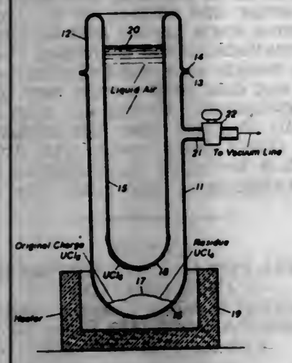


An artificial insemination or medication unit for a disbursable liquid substance in sanitary condition and directly discharging the substance at its point of application comprising an elongated tubular casing of uniform cross-section, the discharge end of said casing being smaller in diameter than the body of the casing and being provided with an unrestricted discharge opening smaller in diameter than the bore of the casing, an air passing plug member of porous flexible fabric or the like fitting into the rear end of the casing and through which air initially trapped in the casing can be exhausted when the liquid substance is supplied to the casing interior through the discharge opening, said plug member constituting a piston empellable through the casing by pressure applied to the rearward end of the member and being restrained from discharge through said discharge opening by the reduced diameter of the end of the tube.

2,572,156
PROCESSES OF PRODUCING URANIUM HEXACHLORIDE
Francis A. Jenkins, Berkeley, Calif., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application July 13, 1943, Serial No. 494,447
7 Claims. (Cl. 23—14.5)

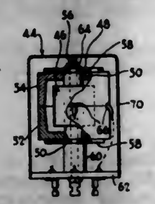
1. The process comprising heating uranium pentachloride to a temperature which is sufficiently high to convert it to UCl_4 and UCl_5 and which is above the sublimation temperature of UCl_5 and below the sublimation temperature of

UCl_4, said heating being conducted under conditions such that the UCl_3 which is produced is



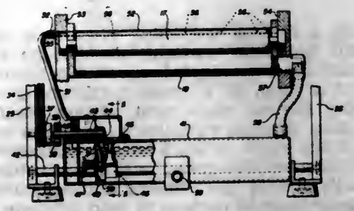
sublimed as it is formed, and recovering the UCl_3 thus produced.

2,572,157
COMBINATION RADIO-WIRE RECORDER
Leopold M. Kay, New York, N. Y., assignor to Air King Products Co. Inc., Brooklyn, N. Y., a corporation of New York
Application December 31, 1947, Serial No. 794,941
5 Claims. (Cl. 179—100.11)



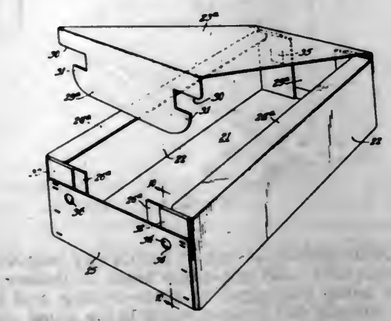
2. A radio wire recorder comprising a radio tuner, an audio amplifier, an audio pre-amplifier, a loud speaker, a muting circuit, a microphone, a wire recorder, a high frequency bias oscillator including a transformer and means to electro-magnetically shield said transformer, a phonograph pickup, multi-position switch means, and circuit means for connecting the output of the microphone to the audio pre-amplifier from there to the audio amplifier, and from there to the wire recorder, and for connecting the output of the high frequency bias oscillator to the wire recorder in one position of said switch means, in another position of said switch means for connecting the output of the phonograph pickup to the audio amplifier and from there to the wire recorder, for connecting the output of the high frequency bias oscillator to the wire recorder and for connecting the output of the audio amplifier to the loud speaker and rendering the muting circuit effective, in another position of said switch means for connecting the output of the radio tuner and the output of the high frequency bias oscillator to the wire recorder, and for connecting the output of the radio tuner to the loud speaker while rendering the muting circuit effective, in another position of said switch means for connecting the output of the radio tuner to the audio amplifier and from there to the loud speaker while rendering the muting circuit ineffective, in another position of said switch means for connecting the output of the phonograph pickup to the audio amplifier and from there to the loud speaker while rendering the muting circuit ineffective, and in another position of said switch means for connecting the output of the wire recorder to the audio pre-amplifier from there to the audio amplifier, and from there to the loud speaker while rendering the muting circuit ineffective.

2,572,158
MOISTENING MEANS FOR DUPLICATING APPARATUS
Henry P. Keil, Chicago, Ill., assignor to The Fixture Hardware Corporation, Chicago, Ill., a corporation of Illinois
Application July 12, 1947, Serial No. 760,537
1 Claim. (Cl. 91—50)



A moistening device for moistening copy sheets in a duplicating machine of the type wherein a copy sheet moistened with an ink solvent is pressed against a master sheet having the copyable matter thereon in ink that may be dissolved by said solvent, said moistening device comprising roller means to spread the solvent on a copy sheet, a source of liquid supply, a tube, and a roller forming part of said roller means, extending lengthwise of and parallel to said tube and spaced therefrom, the tube having openings therein on the side facing the roller, the openings being spaced apart lengthwise of the tube and said tube and roller being in such close proximity that the liquid bridges the gap between them in preference to flowing to the under side of the tube, said tube having a restricted inlet of substantially less capacity than the openings in the tube whereby to prevent building up liquid pressure in the tube.

2,572,159
TUCK END CONTAINER
Benjamin F. Kells, Mount Prospect, and Julian C. D'Esposito, Chicago, Ill., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application April 11, 1947, Serial No. 740,790
4 Claims. (Cl. 229—45)



1. A paperboard container comprising bottom, side, and end walls, each of said end walls having an inner wall structure and an outer wall portion defining a pocket, said outer wall portion having a height less than that of the side walls, a cover panel hinged to one of said side walls, a tuck flap on each end of said cover panel having shoulders abutting on the top of said outer wall portion when said flap is disposed in said pocket, said shoulders having a height equal to the height difference between said side walls and outer wall portions, and locking means for said cover comprising a flexible sheet disposed between said inner end wall structure and outer end wall portion adjacent the side wall opposite that to which said cover panel is hinged, said sheet having its lower edge spaced above said bottom wall, and a lateral projection at the lower portion of said tuck flap having an upper edge engageable with the lower edge of said sheet.

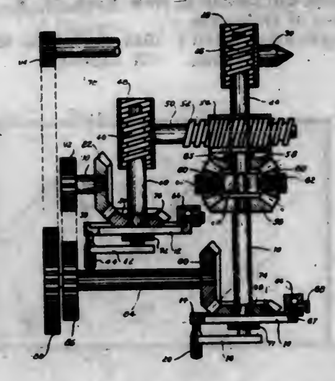
2,572,160
VIBRATION ABSORBING BUSHING
John H. Kelly, Jr., and Rosalind M. Glassco, Wabash, Ind., assignors to The General Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 9, 1945, Serial No. 587,356
1 Claim. (Cl. 287—85)



A mounting or joint having an outer rigid member with a generally tubular portion, an inner rigid member with a generally cylindrical portion in substantially coaxial relation within said tubular portion, a separately cured intervening annulus of a rubber compound separating said portions, said annulus being maintained under substantial radial compression and axial elongation by said portions, a hardened film comprising a plurality of superimposed layers comprising a resin disposed on the surface of said annulus and separating said annulus from said rigid members, unexposed portions of said film rigidly uniting said annulus to said rigid members as when said film has passed through the softened stage after assembly of said members and said annulus, said annulus being under strong radial compression against said portions, said mounting or joint being further characterized by having a greater resistance to slippage than has a joint or mounting of identical size and composition but without said film.

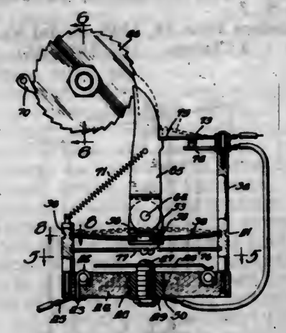
2,572,161
INDEXING HEAD
Endre Király, Ujpest, Hungary, assignor to Deszo D. Sekely, Ann Arbor, Mich.
Application May 28, 1948, Serial No. 29,785
5 Claims. (Cl. 90—57)

1. An indexing device for use on a milling machine or the like comprising, in combination, a pair of index plates, a handle controlled shaft extending through each index plate, means optionally providing either independent rotation of each shaft relative to its index plate or joint rotation of the two together, a work piece turning spindle, a differential gear mechanism, means operatively coupling said spindle and said shafts to the differential mechanism for cumulatively transmitting the separate turning movements of the shafts to the spindle, a milling machine feed shaft, and gear means for operatively coupling each index plate to said feed shaft for turning



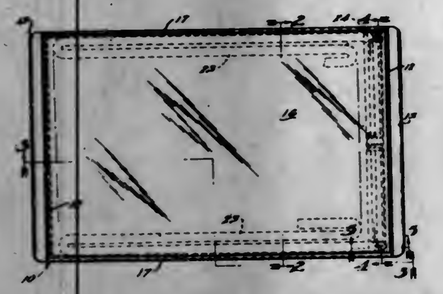
the index plates proportional to the rotation of the feed shaft.

2,572,162
THERMOELECTRIC TIMER MOTOR
John C. Koonz, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application March 8, 1947, Serial No. 733,411
3 Claims. (Cl. 172—126)



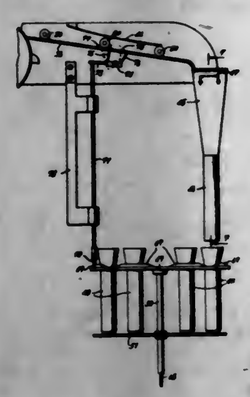
1. A thermally actuated timing device comprising a dish-shaped snap-impulse bimetallic operating element, a radiant heater for supplying heat to said element positioned in proximity to said element but spaced therefrom with a substantial air gap therebetween, switch means in operative relation to said element and connected to said heater, said heater being energized when said switch means is in closed position, said element being adapted when heated a sufficient amount to snap to a flexed position to open said switch means and thereby deenergize said heater, heat insulating means positioned in said air gap and spaced from said element and said heater, said last named means serving to trap heat and prolong heating of said element after said heater is deenergized to hold said element in said flexed position a predetermined time after said heater is deenergized, said insulating means comprising an insulating baffle having an opening therein.

2,572,163
DISH DRYING AND WARMING TRAY
Wade Lamb, Detroit, Mich., assignor to Radiant Heater Corporation, New York, N. Y., a corporation of Delaware
Application April 7, 1949, Serial No. 86,000
7 Claims. (Cl. 219—19)



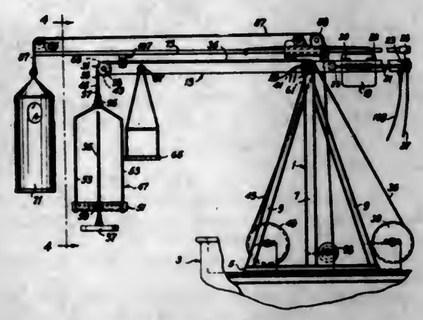
5. An electrically energized warming and drying tray comprising, a heating element of sheet form and a unitary base member having a pan-shaped central portion and integrally formed, substantially vertically disposed, end portions extending above and below the plane of said central portion, said heating element being disposed in abutting relationship to the end portions extending above said central portion.

2,572,164
COLLAPSIBLE TUBE HANDLING APPARATUS
Emil Lehmann, West Englewood, N. J., assignor to White Metal Manufacturing Company, Hoboken, N. J.
Application June 28, 1947, Serial No. 757,815
9 Claims. (Cl. 198—26)



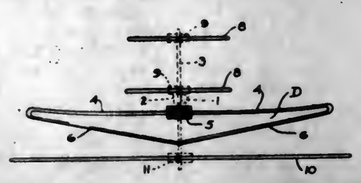
1. Apparatus for placing collapsible tubes on upright transfer pins which comprises, an inclined table over which tubes may roll in succession, a funnel having an elongated end extending transversely of said table at the lower end thereof and having a tripping bar in the upper part of said funnel to engage the upper end of each tube and to permit the lower end to fall downwardly to bring said tube to upright position, a turn table below said funnel having receivers positioned to align successively with the delivery end of said funnel as said turn table is rotated, a stationary plate below said receivers having a cut away portion, a chain having upwardly extending pins in spaced intervals positioned to pass in succession below the cut away portion of said plate.

2,572,165
FLOATING HOIST
John N. Lecki, St. Louis, Mo.
Application June 19, 1947, Serial No. 755,554
14 Claims. (Cl. 212—3)



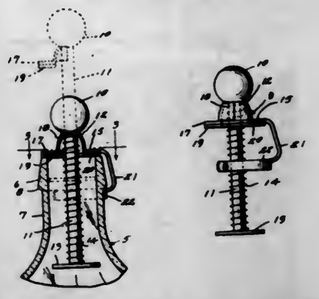
1. A floating hoist comprising a floating support, an elongate member pivoted on said support for swinging movement in a generally vertical plane and extending beyond the support, an anchor suspended by an anchor cable from said member, said cable running from said anchor over an outboard guide on said member to hoisting means on said support, a hoist line for raising and lowering a load suspended from said member, said line running from said load over an outboard guide on said member to hoisting means on said support, and means acting on said member applying torque tending to swing said member on its pivot for overbalancing its weight and the weight of said load but not the weight of said anchor to bias said member to swing upward about its pivot in opposition to the restraint of the anchor cable.

2,572,166
ANTENNA SYSTEM FOR TELEVISION
Daniel J. Lorusso, Westboro, Mass.
Application May 12, 1950, Serial No. 161,662
3 Claims. (Cl. 250—33)



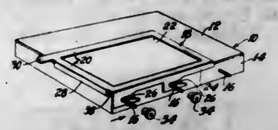
1. An antenna for the reception of signals of frequencies associated with television broadcasting comprising a dipole element providing a continuous conductor bent to form two opposed V-shaped structures, each in a plane, one end of an arm of each V being connected to a corresponding terminal of a transmission line, and with the ends of the other arms of the V's being conductively connected together, the arms connected to the transmission line being concave towards the other arms to prevent flattening of said element's lobe pattern, while the varied spacing between the arms of each structure serves to broaden the band width and to keep the characteristic center impedance of a 300 ohm transmission line, and with the length of said element corresponding to a one-half wave length of a frequency at the lower end of a channel range which is to be accommodated.

2,572,167
CATCHUP DISPENSER
John C. Lowe, Jr., Youngwood, Pa.
Application July 19, 1946, Serial No. 684,651
1 Claim. (Cl. 222—822)



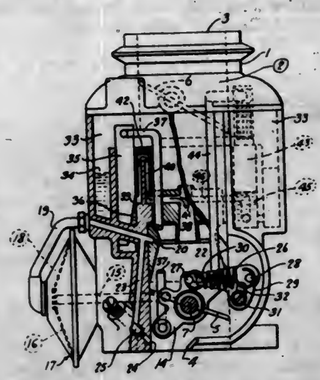
A dispensing closure for bottles having a shouldered neck comprising a lid for disposition over the top of the bottle neck, means for dispensing the contents of the bottle through said lid, said lid being provided with a depending leg extending downwardly along the neck of the bottle, and a spring clamp to which the leg is secured, said spring clamp being adapted to embrace the neck portion of the bottle under the shoulder thereof, said means for dispensing the contents of the bottle consisting of a slide member movable through the lid, said lid having a sectional portion attached to the slidable member and adapted to be lifted by said slidable member to define an opening through which the contents of the bottle can be poured.

2,572,168
PHOTOGRAPHIC EASEL
Benjamin B. Mahler, Newark, N. J.
Application May 17, 1949, Serial No. 93,731
3 Claims. (Cl. 88—24)



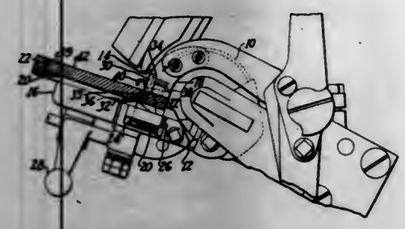
1. In a photographic easel, a base having a paper-supporting top, and sides, a paper-holding apertured frame, at least two studs spacedly projecting from one of said sides, said studs being arranged in a straight line and being threaded at their free ends, and matingly threaded nuts to fit the stud threads, said frame being made of resilient material and being placed over the base to fit around the studs for being releasably tightened to the base by means of said nuts, the frame having on two adjacent sides downwardly directed flanges to form abutments for properly locating the paper to be supported by the base and to be held by the frame, the resilience of the frame material urging the frame, upon its bending about a line parallel to said line, to resume its original position and shape.

2,572,169
CARBURETOR
Marion Mallory, Detroit, Mich.
Application August 6, 1945, Serial No. 609,134
3 Claims. (Cl. 261—52)



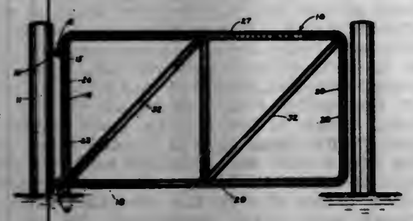
1. In a carburetor for an internal combustion engine, said carburetor having an intake passageway therethrough, a throttle valve in said intake passage, a fuel passageway discharging into said intake passageway on the atmosphere side of said throttle valve and having a metering orifice, metering means having a uniformly tapered surface which cooperates with said metering orifice for gradually varying the effective size of said metering orifice, a first orifice in the wall of said intake passageway on the atmosphere side of said throttle valve, a second orifice in the wall of said intake passageway on the fuel mixture outlet side of said throttle valve, pressure actuated means, a passageway connecting said first and second orifices with each other and with said pressure actuated means, a connection between said pressure actuated means and said metering means, resilient means operatively connected to said metering means and tending to move said metering means to increase the effective size of said metering orifice, said pressure actuated means responding to an intermediate pressure resulting from a blending of the pressures obtaining in the intake passageway at said first and second orifices, the said pressure actuated means responding to a fall in said resultant pressure to decrease the effective size of said metering orifice and to an increase in said resultant pressure to increase the effective size of said metering orifice, said first orifice acting as an air bleed to said second orifice as the throttle valve approaches closed position and as said throttle valve moves from idle toward open position said first orifice ceases to be an air bleed orifice and becomes a suction orifice due to the increased fluid flow through said intake passageway by said first orifice, said metering means and metering orifice being constructed and arranged whereby when the vacuum in said pressure actuated means exceeds the idle vacuum obtaining in the intake passageway on the engine side of the throttle valve when in idle position the said pressure actuated means will respond to said vacuum and close said metering orifice to completely shut off the flow of fuel therethrough, and an air valve positioned in the intake passageway on the atmosphere side of both the throttle valve and the point at which the fuel is discharged into the intake passageway, and means connecting said air and throttle valves so that they open and close substantially in unison.

2,572,170
WORK GROOVING KNIFE FOR SHOE SOLE SEWING MACHINES
Peter A. Matter, Millersburg, Pa., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 23, 1949, Serial No. 100,845
1 Claim. (Cl. 112—37)



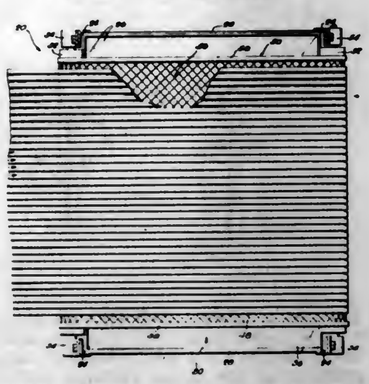
A lockstitch shoe sole sewing machine having stitch forming devices including a curved hook needle and a shuttle, and means for clamping the work including a work support and a presser foot formed with their work engaging surfaces having openings to receive the needle, in combination with a work engaging knife block having an arcuate chip forming edge mounted on the presser foot with the edge spaced from the point of needle operation transversely of the seam line from the needle receiving opening in the presser foot to form a groove in the surface of the work being sewn by the machine for the reception of stitches by a further sewing operation, disposed in parallel relation to the seam being inserted, said knife block having a work engaging surface which surrounds the knife edge and which projects below the working surface of the presser foot to indent temporarily that portion of the work being grooved to an extent which will insure uniformity of spacing between the groove and the seam being inserted.

2,572,171
ADJUSTABLE GATE
Eli D. McCullough, Kansas City, Mo.
Application June 24, 1947, Serial No. 756,728
3 Claims. (Cl. 39—87)



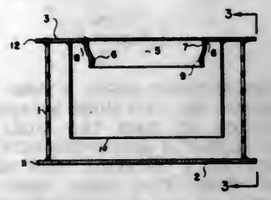
1. An adjustable gate comprising a frame including an upright tubular member open at the lower end and a horizontal member opening at one end in the upright member adjacent said open end, means swingably securing the other end of said upright member to a supporting member, a plunger swingably connected to the supporting member and slidably engageable through said upright member adjacent said one end for telescopic engagement in said horizontal member, said plunger having openings along the length thereof, a weighted member slidable in said upright member, and a projection on said weighted member biased for engagement in a selected one of said openings for securing the gate in selected angular adjusted position relative to the supporting member.

2,572,172
COACTING ENDLESS BELT CONVEYER
John H. McCusker, Dallas, Pa., assignor to Native Laces & Textiles, Incorporated, New York, N. Y., a corporation
Application February 21, 1948, Serial No. 10,097
1 Claim. (Cl. 198—165)



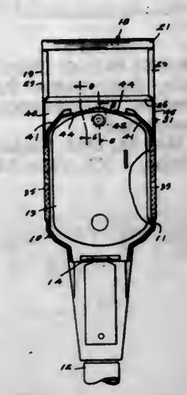
In a drying installation, a conveyor for textile goods, said conveyor comprising two endless belts, two pairs of opposite rotary rolls over which said belts, respectively, pass in taut condition, said roll pairs being so disposed that the adjacent runs of said belts, respectively, extend substantially horizontally and normally engage each other, and means for driving one roll of each pair so that said adjacent belt runs move in the same direction at the same speed, each of said belts comprising an apron of open-mesh textile netting and flexible bands bound to the opposite margins, respectively, of said apron and solely assuming all stresses incident to the support of the associated belt on said rolls.

2,572,173
STRAINER
Kirk McFarlin, Short Hills, N. J.
Application December 19, 1946, Serial No. 717,275
7 Claims. (Cl. 210—170)



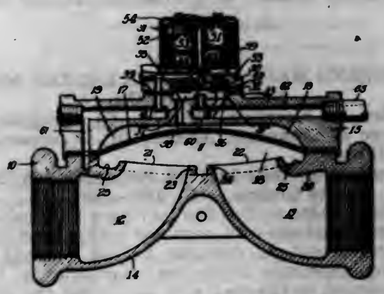
1. A strainer comprising end plates and a body with a reticulated wall joined to said end plates along its opposite edges, said end plates being extended beyond said wall to obstruct contact of floating bodies therewith, one of said end plates having an outlet opening, a neck affixed to the last-named plate at the inner edge of said opening and a baffle element attached to the inner face of said last-named end plate surrounding said opening and said neck, and terminating short of the other end plate.

2,572,174
DISPLAY CARD HOLDER FOR PARKING METERS
Milton Woodrow McKenzie, Abilene, Tex.
Application January 21, 1948, Serial No. 3,521
3 Claims. (Cl. 40—63)



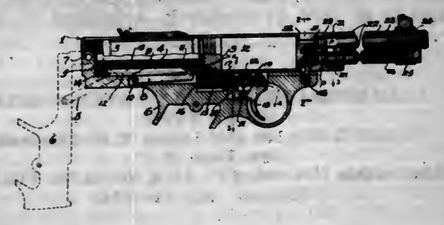
1. A card holder for use with a parking meter including a housing opening on one side thereof and formed with a rim extending around the sides and top of said open side, and a transversely hinged cover having a marginal rim adapted to bear against said housing rim when in the closed position; said card holder comprising a pair of downwardly divergent secured together card supporting plates, means on each of said plates adapted to support a card thereon, and an attaching frame depending from said plates including side members formed with flanges on the edges thereof adapted to engage over said housing rim and be clamped between said cover and housing rims.

2,572,175
VALVE OPERATOR
Hal W. McPherson, Chicago, Ill., assignor, by mesne assignments, to The Skinner Chuck Company, a corporation of Connecticut
Original application January 14, 1944, Serial No. 518,233, now Patent No. 2,407,761, dated September 17, 1946. Divided and this application June 6, 1945, Serial No. 597,738
2 Claims. (Cl. 137—139)



1. In a valve of the type having means defining a substantially closed chamber including a flexible diaphragm as one wall thereof, spaced inlet and outlet valve seat means external to said chamber, said diaphragm constituting a valve head means for said valve seat means, first duct means for providing communication between said chamber and said inlet and outlet valve seat means at a point between said inlet and outlet valve seat means for ingress of fluid to said chamber from said valve seat means, and second duct means for egress of fluid from said chamber, said chamber being expandible and contractible by means of said diaphragm to cause coaction between said diaphragm and valve seat means responsive to said ingress and egress of said fluid to and from said chamber, the improvement comprising an apparatus for controlling said ingress and egress comprising means defining a second chamber in communication with said first mentioned chamber and interposed between the latter chamber and said first and second duct means, said second chamber having fluid inlet and outlet ports respectively in communication with said first and second duct means, an electromagnetically responsive diaphragm device extending across said second chamber and having a port engaging element alternately engageable with one or the other of said ports to cut off ingress or egress of fluid relative to said second chamber, and controllably energizable electromagnetic means effective upon energization thereof to cause engagement of said port engaging element with one of said ports, and upon deenergization thereof to permit engagement of said port engaging element with the other of said ports, said diaphragm device being perforated for equalization of fluid pressure on opposite sides of the device regardless of which port is engaged thereby.

2,572,176
AIR GUN AUTOMATIC SAFETY DEVICE
Frank Mihalyi, St. Louis, Mo.
Application April 18, 1945, Serial No. 588,935
5 Claims. (Cl. 124—15)



1. In a gun, a head part, including a discharge barrel and a retractable pressure actuated discharge element and a sear for holding said element in retracted position, a stock part, a trigger, pivoted thereto, a safety device slidable in the stock part transversely of the direction of the movement of the trigger, a portion of said device engaging said trigger to prevent its movement when the device is in one position in said stock part, said portion being spaced from the trigger when said device is in another position in said stock part, means frictionally retaining said safety device in either of said positions, a pivotal connection between said head part and stock part, about which said parts may be swung relative to each other, a link connecting said element to a portion of said stock part spaced from said connection to move said element and store energy therein when said parts are moved relative to each other about said connection and thereby cock the gun, said trigger and safety device being mounted on and movable with said stock part away from said sear when said head and stock parts are moved to cock the gun, and

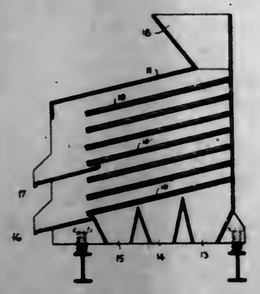
a projection on said head part, said device being in the path of movement of said projection when the parts are returned to firing position and moved thereby to trigger engaging position.

2,572,177

METHOD OF CLASSIFYING OR SEPARATING COMMINUTED MATERIAL ACCORDING TO SIZE

Fredrik Kristian Mogensen, Djursholm, Sweden

Application January 24, 1949, Serial No. 72,444
4 Claims. (Cl. 209—315)



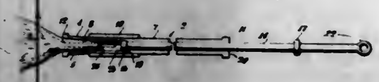
1. The method of classifying comminuted material composed of a mixture of granular particles of different size which comprises passing the mixture in a stream through a maze of obstacles from a point of feed, each particle passing freely through the maze and colliding with certain obstacles, deflecting the individual particles laterally on each collision, the number of collisions being dependent upon the particle size, the larger particle being laterally deflected a greater distance than the smaller particles and collecting the particles at points laterally spaced from the points of feed progressively according to size.

2,572,178

CLEANING DEVICE OF THE RELEASABLE SWAB TYPE

Robert C. Monroe and Louise Y. McClement, New York, N. Y.

Application November 27, 1946, Serial No. 712,470
2 Claims. (Cl. 15—154)



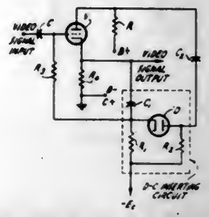
1. A swab holding device of the class described comprising a tubular member having a plurality of integral and outwardly flaring resilient jaws adjacent one end thereof, an annular member extending around said tubular member and slidable over said jaws for moving them toward each other to grip a portion of a swab, means projecting outwardly from the tubular member at spaced locations for retaining said annular member thereon at all times, a longitudinally movable rod member within said tubular member adapted to be moved toward said jaws to forcibly eject a swab while the swab is gripped by said jaws, cooperating transversely extending shoulders on the tubular and rod members for preventing removal of the rod member from the tubular member upon movement of the former in a direction away from said jaws, additional cooperating transversely extending shoulders on the tubular and rod members for limiting the extent of movement of said rod member toward said jaws, and an elongated rod portion projecting a substantial distance outwardly from said additional transversely extending shoulder of the rod member and disposed exteriorly of said tubular member at all times.

2,572,179

PEAK LEVELING CIRCUIT

Robert C. Moore, Erdenheim, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application May 24, 1949, Serial No. 95,052
1 Claim. (Cl. 178—7.3)



In a television system, an amplifier tube having an anode, a cathode and at least one control electrode, the control electrode of said tube being adapted to receive thereon a composite television signal which lacks a D. C. component, means for connecting the cathode of said tube to ground, a source of negative bias voltage, a pair of resistors connected between said source of negative bias voltage and the control electrode of said amplifier tube, a third resistor, a diode having its cathode connected to a point intermediate said pair of resistors and its anode connected to said source of negative bias voltage through said third resistor, an impedance connected in the anode circuit of said amplifier tube and across which a voltage is developed during conduction of said tube, a condenser, means for applying the voltage developed across at least a portion of said impedance to the anode of said diode through said condenser, an output resistor connected between the cathode of said amplifier tube and ground, means for deriving from said output resistor a television signal output which contains a direct current component, and means for applying at least a portion of the television signal output of said amplifier tube as derived from said output resistor to the cathode of said diode.

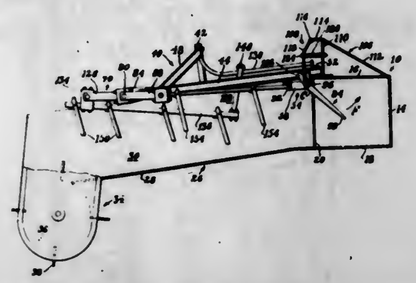
2,572,180

FEEDING MECHANISM FOR BALERS AND LIKE MACHINES

Charles S. Morrison, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application June 15, 1950, Serial No. 168,333
14 Claims. (Cl. 198—223)

8. In a baler or the like having a bale case including a vertical wall provided with a feed opening and structure defining a feed passage extending generally horizontally outwardly from and normal to the wall and adjoining the opening and along which crop material may be moved through the feed opening and into the bale case, the improvement residing in feed mechanism comprising: track means positionable to extend lengthwise of and over the feed passage; means for mounting the track means on the feed passage structure; a carrier reciprocable on the track means in alternate feeding and retracting directions between a first position relatively remote from the feed opening and a second position proximate to the feed opening and just outside the bale case wall; a feed element pivotally connected to and suspended from the carrier to depend into and engage crop material in the feed passage; one-way means engageable between the carrier and feed element to hold the feed element against retrograde movement as respects the direction of feeding but providing for swinging of the lower portion of the feed element in the direction of feeding; stop means fixedly positionable adjacent the bale case at a level above the pivotal connection of the feeder element to the carrier and generally in the zone of the second position of the carrier; means including a lever arm fixed to the feeder element and extending above said pivotal connection and engageable with the stop means incident to the attainment by the carrier of said second position for effecting swinging of the lower portion of the feed element beyond said second position; and means for reciprocating the carrier.

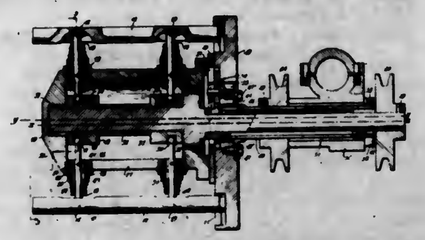


2,572,181

THREAD-ADVANCING REEL

Adrian J. L. Moritz, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application June 14, 1948, Serial No. 32,949
9 Claims. (Cl. 28—71.7)



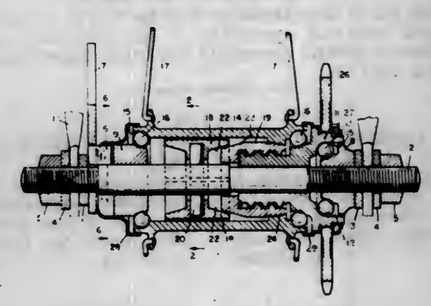
1. A thread-storage, thread-advancing device comprising two similar groups of bars, a shaft, means mounting the first group for movement about a first axis within said shaft with the component bars in fixed spaced relation defining an elongate cage of polygonal cross section, means mounting the second group for movement about a second axis also within said shaft and lying eccentric but parallel to said first axis with the component bars lying between the bars of the first group, means for rotating said first group of bars about said shaft, means to rotate said shaft at a different rate of speed from said first group of bars, means carried by the means mounting the first group of bars and in driving relation with said shaft for driving said second group of bars about said second axis, and complementary cam means carried by said shaft and the means mounting the second group of bars to cause the component bars of the second group to move longitudinally in one direction as they move outwardly of the periphery of the bars of the first group and to move longitudinally in the other direction as they move inwardly of the periphery of the bars of the first group.

2,572,182

COASTER BRAKE

Homer L. Mueller, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio

Application June 20, 1946, Serial No. 678,043
2 Claims. (Cl. 188—26)



1. A coaster brake comprising an axle including one pair of diametrically opposite and horizontally disposed radial projections, a hub shell and a driving screw each rotatably mounted on said axle, one pair of brake shoes slidably carried on such projections respectively for horizontal radial movement into and out of engagement with said shell, and a nut having threaded engagement with said screw and alternately movable in opposite directions axially of said axle in response to rotation of said screw in opposite directions, said shoes and nut including interengageable cam surfaces operative when said nut is moved axially in one direction to cause radial movement of said shoes into frictional engagement with said shell to thereby resist rotation of said shell on said axle.

2,572,183

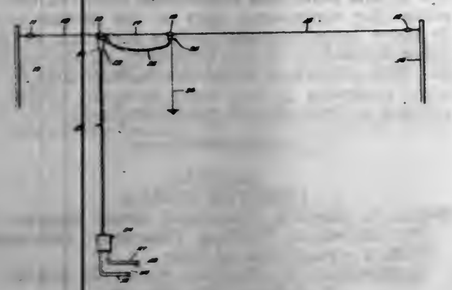
AMPLITUDE-MODULATION—FREQUENCY-MODULATION ANTENNA

Frank H. Nelson, Philadelphia, Pa., and Robert H. Dreisbach, Fort Wayne, Ind., assignors to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware

Application April 28, 1949, Serial No. 90,156
9 Claims. (Cl. 250—20)

3. An antenna system comprising, in combination, a single wire adapted to be suspended between a pair of insulators, with additional insulators dividing it into two aligned sections comprising a dipole section and an unbalanced straight wire section of length greatly exceeding the length of the dipole section and responsive to lower frequencies than the dipole section; a lead-in consisting of a dual lead transmission line coupled to said dipole section; an antenna transformer having a primary winding in the circuit of the straight wire section and a secondary winding; and an isolation transformer consisting

of a section of dual lead transmission line coupled between said secondary winding of the antenna transformer and the dipole elements; with



the input impedance of said section of transmission line and secondary of the antenna transformer greatly exceeding the input impedance of the lead-in.

2,572,184
UNSUPPORTED BOX TOE AND COUNTER MATERIALS
Charles G. Newton, Jr., Newburyport, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 24, 1949, Serial No. 78,148
13 Claims. (Cl. 36—68)

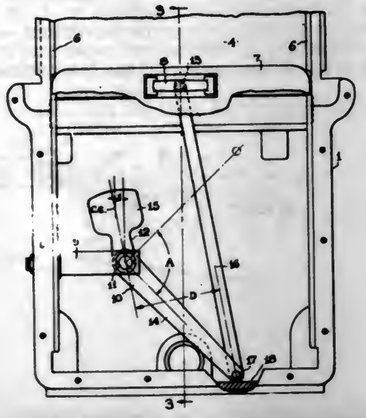


1. As an article of manufacture, a limp, stretchable stiffener blank adapted to be incorporated in an end portion of the upper of a shoe and to be conformed to a last, said blank comprising a thin, flexible sheet having an outline shaped to correspond to the shape of said end portion, said sheet being composed of an intimate mixture of 100 parts by weight of a copolymer of styrene and isobutylene containing from 40% to 80% of styrene, from 25 to 300 parts by weight of fibers having a length of at least 40 microns and from 15 to 100 parts by weight of a polymerizable ingredient which contains the polymerizable group $=C=CH_2$ and at least one other polymerizable olefinic group separated therefrom by at least one intervening atom so that the double bonds do not form a conjugated system.

2,572,185
COPOLYMERS OF SULFUR DIOXIDE AND STYRENE
Herman D. Noether, Kew Gardens, N. Y., and Ernest Paul Irany, Cranford, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 17, 1947, Serial No. 722,758
7 Claims. (Cl. 260—79.3)

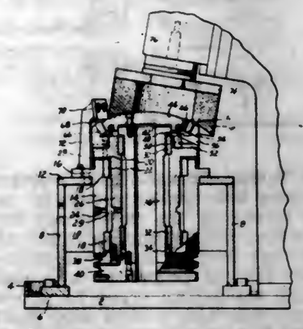
1. Process for the production of copolymers, which comprises copolymerizing sulfur dioxide with styrene in a reaction medium where the styrene and sulfur dioxide are the sole materials present employing a copolymerization temperature below 85° C.

2,572,186
VERTICALLY MOVING DOOR
Norman H. Nye, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application March 5, 1948, Serial No. 13,290
2 Claims. (Cl. 20—19)



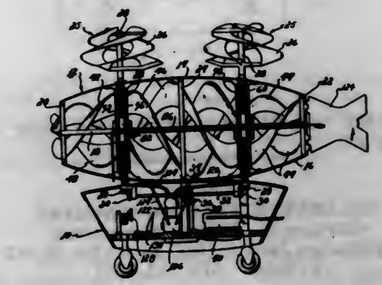
1. The combination with a vertically shiftable door and a supporting frame therefor, of a generally vertically disposed link having its upper end pivotally connected centrally adjacent the upper edge of said door, a lever having one end pivotally connected to the lower end of said link and the other end provided with a counterweight, and means on said supporting frame pivotally supporting said lever between its ends, said lever being so formed that a line through the pivot axis thereof and the pivot axis of the connection thereof with said link intersects a line through the pivot axis thereof and the center of gravity of said counterweight at an angle less than 180°

2,572,187
END GRINDING OF BEARING ROLLERS
Theodore A. Olson, Pompton Plains, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 31, 1948, Serial No. 47,059
13 Claims. (Cl. 51—130)



7. In a machine of the character indicated, a disc having a conical work engaging surface, a rotary ring having an interior conical surface surrounding the first surface and spaced therefrom to form a circular channel for guiding conical rollers, means for journalling the ring for rotation, means for rotatably driving the ring to cause the rollers to rotate and progress circumferentially in the channel, and a rotary wheel having an abrasive surface covering the greater portion of the circular channel for abrading the ends of conical rollers inserted and removed at the uncovered portion of the channel in a continuous operation.

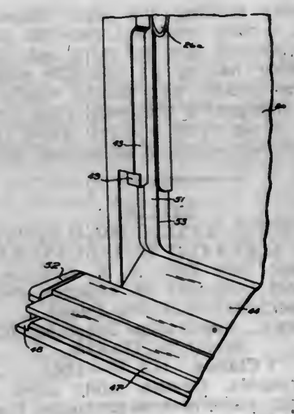
2,572,188
AIRCRAFT PROPELLER
Andrew Palfi, Detroit, Mich.
Application June 16, 1947, Serial No. 754,808
11 Claims. (Cl. 170—135.22)



1. Aircraft propulsion means comprising an elongated open frame work of supporting members wider in the middle and contracting toward the opposite ends, a plurality of air screws of a spiral formation mounted in said frame one behind the other and rotatable about the longitudinal axis of the frame work, the lateral extent of said air screws conforming to the width of the frame work in their respective location being wider in the middle of the frame work and progressively contracting toward the outer ends thereof, an air turbine drive device associated with each of said air screws, and means for supplying fluid under pressure to said turbine drive devices.

5. Aircraft propelling means comprising, in combination, a plurality of longitudinally and transversely extending supporting members connected together and forming a normally horizontal elongated frame having a circular lateral dimension substantially from one end to the other end thereof, a plurality of ring members of a size corresponding to the lateral dimension of the frame, means on the frame forming raceways for rotatably mounting said ring members for rotation about the longitudinal axis of the frame, each ring member provided with a plurality of inwardly extending radial arms equally spaced apart circumferentially and being correspondingly curved in the plane of the ring member, a set of spiral blades extending sinuously between each successive pair of ring members each having a transverse curvature corresponding to the curvature of said radial arms, said blades having their opposite ends cradled in and secured to the curved portions of the arms of the pair of ring members between which they extend, the ring members joined by each set of spiral blades forming a separate rotatable unit in the open frame, the adjacent ends of said units being slightly spaced apart to form a clearance therebetween extending completely across the frame, one or more driving shafts extending upwardly through the clearances between said units and projecting above the frame, lift rotors carried on the projection ends of said driving shafts, turbine impeller blades carried on the inner ends of the radial arms of at least one ring member of each of said units, and power means for operating said driving shafts and for simultaneously supplying fluid under pressure for reaction with said turbine blades to rotate said units.

2,572,189
FILM HOLDER FOR USE IN PHOTOGRAPHIC CAMERAS
James S. Panosian, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Original application January 3, 1948, Serial No. 463, now Patent No. 2,497,270, dated February 14, 1950. Divided and this application December 14, 1949, Serial No. 132,914
14 Claims. (Cl. 95—66)



1. A film holder for photographic cameras comprising a rectangular body member having at its lower end two opposite hinged member flaps grooved at their upper edges to receive the lower ends of dark slides, said body member having two cut-out steps 51 respectively extending lengthwise of the longitudinal edge portions of said body member near the lower ends of said edge portions, and each of said hinged member flaps having a step to engage the corresponding cut out step 51 of said body member, such two steps of such hinged member flap being respectively positioned at each of the extreme outer edges thereof and each such hinged member step extending in an upward direction to engage the corresponding step 51 of said body member, thereby cooperating in providing a light-tight construction.

2,572,190
LOCK AND COMPENSATOR FOR HYDRAULIC SYSTEMS
Audie Ross Patrick, Kansas City, Mo.
Application May 13, 1946, Serial No. 669,334
1 Claim. (Cl. 137—69)

A lock and compensator adapted for insertion within a hydraulic system and comprising a body having a passage therethrough for the fluid of the system; a valve seat formed in the body within said passage; a valve having an elongated stem reciprocable on its longitudinal axis for movement to and from a position with the valve engaging said seat and thereby closing the passage; a spring in the body having one end there-

of bearing against the valve and disposed to yieldably hold the valve biased toward said closed position; grooves formed in said stem for passage of fluid when the valve is open; a plunger reciprocably mounted in the body for movement toward and away from the valve; a pair of relatively telescoped springs coiled about the plunger



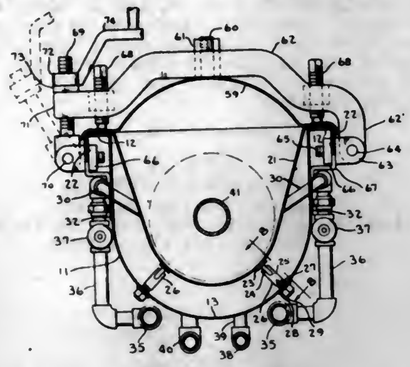
for yieldably holding the same biased toward the valve; a fluid retaining, cap-like gasket between the plunger and the valve, said first mentioned spring having its opposite end bearing against the gasket; and means carried by the body and engageable with said stem for moving the valve to an open position away from said seat against the action of all of said springs.

2,572,191
ALLOY STEEL HAVING HIGH STRENGTH AT ELEVATED TEMPERATURE
Peter Payson, New York, N. Y., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1949, Serial No. 133,470
7 Claims. (Cl. 75—126)

1. A forgeable, ferritic, alloy steel of high hardenability, and which as air cooled from about 2100° F. in sections up to about 1 inch in diameter, attains a hardness of at least Rockwell "C" 25, and which on being so hardened and thereafter tempered at about 1100 to 1200° F., is characterized in possessing high strength at both room and elevated temperatures, and in having a 1000 hour, stress-rupture value at 1100° F. of at least 40,000 pounds per square inch, said steel having substantially the following composition: 0.03 to 0.3% carbon; 0.15 to 2% vanadium, the minimum vanadium content being from about 3 to 5 times the carbon content; 1 to 6% chromium; 0.3 to 3% of metal of the group molybdenum and tungsten; 0.005 to 0.1% boron; 0.2 to 2% manganese; 0.1 to 2% silicon; up to about 5% in aggregate of other elements which do not impair the aforesaid properties of the steel; and the balance iron.

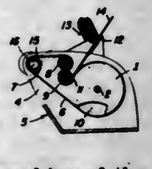
2,572,192
COOKING APPARATUS
Norman J. Peters, Fond du Lac, Wis., assignor to Damrow Brothers Company, Fond du Lac, Wis., a corporation of Wisconsin
Application July 22, 1946, Serial No. 685,460
1 Claim. (Cl. 220—15)

In a cooking apparatus, the combination of a lining and a jacket joined together at their upper side portions and spaced apart at their sides and bottoms to form a jacket space, a bolt extending through said jacket and into said jacket space and having transverse opening in the portion within said jacket space, and a U-shaped rod having a transverse portion of greater length than the transverse opening in said bolt and slidably extending therethrough and secured at its ends to said lining to form a lengthwise movable



anchorage connection between said bolts and said lining.

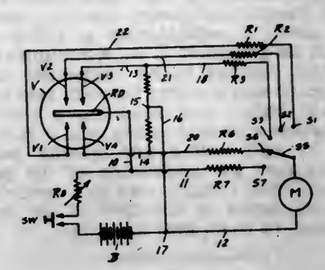
2,572,193
CIGARETTE ROLLING MACHINE
Clarence W. Phillips, Akron, Ohio
Application June 1, 1948, Serial No. 30,322
1 Claim. (Cl. 131—37)



In a cigarette machine of the type having an endless cigarette rolling web running with a slack on a cigarette forming roller, the combination of a casing having end walls for supporting said roller, a U-shaped cigarette paper moistener, a cylindrical rod extending between said end walls of the casing and having rotatably fitted thereon a tube around which the web is trained, eccentric end studs on said rod journaled in said end walls whereby said rod and tube are angularly adjustable to vary the slack in said web, said studs having the ends of said moistener swingably mounted thereon for adjustment of said moistener into different angular positions, and a knurled annular nut threaded on one of said studs for turning against one end of the moistener to clamp the same against one end wall of the casing and simultaneously clamp one end of the rod against said end wall of the casing, whereby to lock said rod and moistener in adjusted position.

2,572,194
VIBRATOR TESTER
Myron F. Pearch, Lima, Ohio
Application January 29, 1949, Serial No. 73,552
6 Claims. (Cl. 175—183)

1. In a testing apparatus for radio vibrators having a vibratory reed and at least a pair of contacts alternately engaged thereby, the combination of a source of direct current potential, a variable resistance in series with said source for varying the voltage delivered from said source, a pair of substantially identical resistive reactances of high current-low voltage type, a direct current operable meter means for measuring current flow, means for connecting each reactance to a vibrator contact, means for connecting the source to the vibrator at the reed thereof through

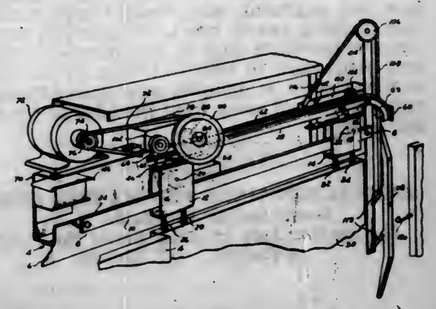


said variable resistance, parallel connectors connected at one end to the reactances and at the other end to the meter means for multiple circuit arrangement, and means connecting both reactances and meter means to said source.

2,572,195
FUEL SHUTOFF
William E. Proctor, Baltimore, Md.
Application July 12, 1946, Serial No. 683,257
1 Claim. (Cl. 137—153)

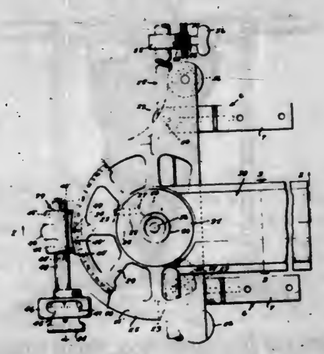
A cut-off valve for marine use, including a casing having a pressure chamber at one end for communication with the chamber of a water level regulator and a body at the other end having a port thru which fuel passes, a valve stem having at one end a diaphragm in said pressure chamber of the valve and having at the other end a valve disk closing said port, spring means to bias the valve stem to port closing position, an arm movable with the stem, and a manually releasable means for locking said arm to hold the valve stem in closed position when the stem moves to that position by reason of lowered pressure on the diaphragm, said means including a spring pressed lever parallel to the casing and having a notch to receive the arm to latch the arm in raised position of said arm, said lever having proximate the notch a smooth surface to engage the end of the arm to permit limited movement without latching.

2,572,196
ELEVATOR DOOR OPERATING MECHANISM
Arthur E. Raqué, Demarest, N. J., assignor to Watson Elevator Company, New York, N. Y., a corporation of New York
Application October 1, 1947, Serial No. 777,333
17 Claims. (Cl. 268—53)



1. A door operator, including in combination a door, means for mounting the door for movement between limit positions, a rigid elongated member, flexible means for attaching said elongated member to said door, a pair of longitudinally spaced rotatable drive members, means for rotating said drive members, one of said members being formed with a larger diameter than the other, said drive member of smaller diameter being positioned constantly to engage said elongated member when the door is at a limit position, and means for engaging said drive member of larger diameter with said elongated member and disengaging said drive member of smaller diameter from said elongated member when the door has moved a predetermined distance from a limit position.

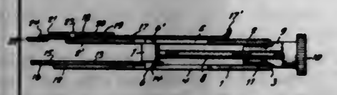
2,572,197
DRAFTING MACHINE
Clifford W. Reed, Lakeland, Fla.
Application September 21, 1948, Serial No. 50,286
4 Claims. (Cl. 33—76)



1. A drafting machine adapted to be mounted along an edge of a drawing board, comprising bracket means for attachment to spaced points along said edge of the drawing board, a rail supported on said bracket means, a bed plate having depending vertical axis stationary rollers engaging one side of said rail, at least one tensioning roller depending from said bed plate between said stationary rollers and engaging the opposite side

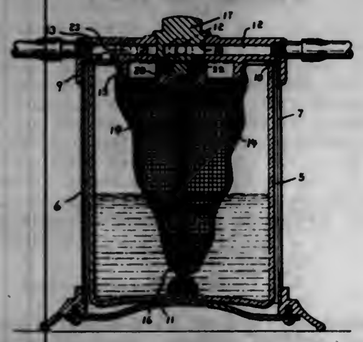
of said rail whereby said bed plate is mounted on said rail to move therealong and swing upwardly with respect to the drawing board, a protractor cluding a straight edge to overlie the drawing board, vertical pivot means mounting said protractor on said bed plate, said bracket means comprising vertically adjustable screws engaging said rail and being operable to raise and lower said rail protractor and straight edge relative to said drawing board, one of said screws having a reduced eccentric stud on its upper end supportably journalled in said rail whereby rotation of said one screw in opposite directions adjusts said rail toward and away from the edge of the drawing board.

2,572,198
DENTAL RETAINER FOR MATRIX STRIPS
David Reiter, Woodside, N. Y.
Application July 12, 1950, Serial No. 173,259
16 Claims. (Cl. 32—63)



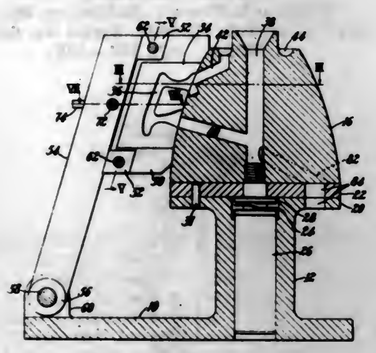
1. A retainer for dental bands, comprising an elongated frame, a longitudinal propelling spindle mounted in said frame, means at one end of said frame for rotating said spindle, a band holder pivoted on said frame and having a transverse slot for said band near the free end thereof, a slide adapted to move longitudinally mounted on said frame, said slide being movable for frictional engagement with said slot to lock a band relative thereto, the other end of said spindle being operatively connected to said pivoted holder.

2,572,199
APPARATUS FOR VAPORIZING LIQUID ANESTHETICS
John J. Richards, Brookline, Mass.
Application November 29, 1944, Serial No. 565,696
1 Claim. (Cl. 261—63)



Apparatus for vaporizing liquid anaesthetic in a container for use with a source of air under pressure and with means for delivering the vaporized anaesthetic to the patient, said apparatus comprising a closure attachable to a container to seal its mouth and including an annular flange depending from its lower surface and dimensioned to enter said container in spaced relation to its mouth, a centrally disposed stem depending from said closure and being of a length to extend downwardly substantially to the bottom of said container when said closure is attached thereto, a cone shaped wick member anchored at its upper end to said flange and at its lower end to said stem, and said closure having an inlet conduit to be connected to said source and opening through said lower surface inside said flange, said closure having a centrally disposed aperture establishing a valve casing with which said conduit is in communication, a vapor outlet conduit to be connected to said delivery means and opening through said surface outside said flange and including a branch in communication with said casing, and a valve plug rotatable in said casing and having passages disposed so that the proportion of air passing through said inlet conduit and said branch conduit may be varied or the flow of air through either or both of them may be blocked.

2,572,200
APPARATUS FOR FORMING AND APPLYING APPENDAGES TO POTTERY WARE
William S. Robson, Barnet, Herts, and Alan Ernest Moore, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 24, 1950, Serial No. 191,762
In Great Britain November 10, 1949
7 Claims. (Cl. 18—22)

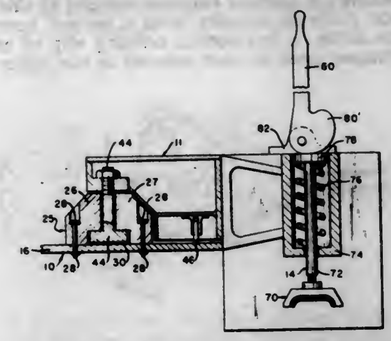


1. Apparatus for forming appendages to be applied to pottery ware comprising a mold, a mold charging device, said device having an exterior shape, a portion of which corresponds to that portion of the ware to which the appendage is to be applied, said mold having a surface complementary to said portion of the charging device, said mold having a mold cavity opening into said surface, a passage through said charging device for molding material, said passage being arranged to communicate with said mold cavity, and means mounting said charging device for turning movement relative to said mold.

2,572,201
METHOD OF HARDENING THE ENDS OF RAILROAD RAILS
Robert Marton Rooke, Red Bank, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application February 10, 1948, Serial No. 7,510
1 Claim. (Cl. 148—21.55)

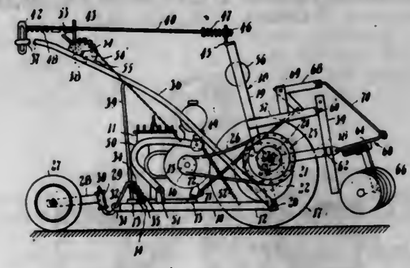
The method of successively hardening the tread and sides of the end heads of rails forming part of a railroad track which has differently-contoured end heads which comprises positioning a heat source adjacent said differently-contoured

end head, heating said end head above its critical temperature, removing said heat source, and while said end head is heated, downwardly pressing a relatively cool deformable body of heat-conducting copper filamentary elements into intimate heat exchange relation with said heated end head



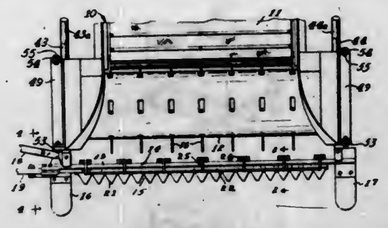
in order to effect an efficient quenching, the pressure with which the deformable body is pressed against the heated end head being sufficient to cause the surface of said deformable body to make substantially continuous contact with the surface of the tread of the rail adjacent the end of the rail.

2,572,202
GARDEN TRACTOR
Charles H. Rowland, Port Perry, Ontario, Canada, assignor of one-half to Milton J. Goode, Port Perry, Ontario, Canada
Application September 7, 1948, Serial No. 48,109
17 Claims. (Cl. 97—48)



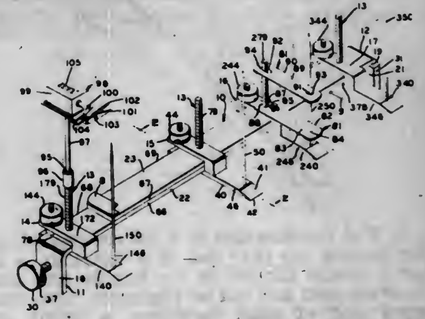
5. A tractor comprising a wheeled frame including a traction wheel at an end thereof, a fork having a pivotal connection with said frame to upstand therefrom for swinging away from the vertical in a longitudinal direction with respect to said frame, said traction wheel being journalled on said fork at a point above said pivotal connection, an engine mounted on said wheeled frame including a power take-off pulley, a pulley mounted on said fork and spaced from the pivotal axis thereof so as to be bodily displaced by said movement of said fork, a belt connecting said pulleys, said belt being tight in the upstanding position of said fork and being slackened by said movement of the fork to disconnect the drive, gearing connecting said pulley on the fork to said traction wheel, manual means for retaining said fork in set position and for swinging it away from such position, and a cantilever implement support carried by said fork for tilting upwardly as the fork is swung away from the vertical in order to raise the implement.

2,572,203
CUTTER FOR VINE CROPS
Earl L. Scheidenhelm and Horace D. Hume, Mendota, Ill.; said Scheidenhelm assignor to said Hume
Application December 19, 1949, Serial No. 133,778
5 Claims. (Cl. 55—63)



1. A cutter for Lima beans and similar crops comprising, a back bar which is round in cross section, spaced guards secured to the bottom of said back bar and extending forwardly from the back bar, said guards having rounded bottom surfaces, a sickle bar, knives secured to the sickle bar against the bottom face thereof, the knives resting on the guards, a cap rod spaced from the back bar and overlying the knives in front of the sickle bar and support rods secured to the rear side of the back bar and projecting forwardly over the back bar and downwardly to the cap rod and fixed to the cap rod.

2,572,204
CLOTH-SPREADING HOLDER
Harold B. Schneider and Harry Koretz, New York, N. Y.
Application July 22, 1947, Serial No. 762,546
9 Claims. (Cl. 164—79)

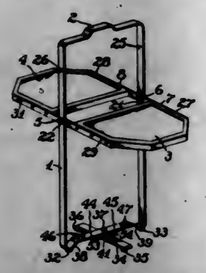


9. In a cloth or similar web spreading holder having a frame member, a cloth securing element comprising: a base; an elongated impaling member projecting from said base; an elongated retainer and clamping element projecting from said base and spaced from said impaling member; said last mentioned element including a retainer portion and clamping portion; said clamping portion acting to fix said base on said frame; and means to connect said impaling member and retainer portion.

2,572,205
FOLDING TABLE WITH PIVOTED FEET
Lee R. Shanks, Elmira, N. Y.
Application May 24, 1947, Serial No. 750,301
2 Claims. (Cl. 311—76)

1. A portable folding table comprising a generally rectangular upright frame with the upper

end formed as a handle and the lower end formed as a pedestal, a horizontal extending foot member pivoted centrally on a vertical axis to the lower end of the frame, a ring member having diametrical abutments fixed to the foot member, and a pair of spring detent and abutment members fixed to the bottom of the frame on opposite



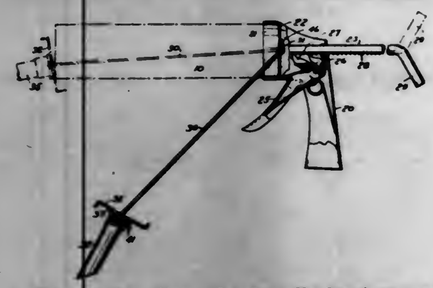
sides of the ring member and provided with shoulders cooperating with said abutments to limit the pivotal movement of the foot member, and having rounded projections engaging the sides of the foot member when it is in extended position to yieldably hold the foot member at right angles to the frame.

2,572,206

DISPENSING DEVICE FOR CALKING MATERIAL AND THE LIKE

William A. Sherbondy, Shaker Heights, Ohio

Application December 3, 1947, Serial No. 789,352
11 Claims. (Cl. 222—327)



1. The combination of a handle having means for seating the rear end of a cartridge, a member pivotally carried by the handle and adapted to swing into and out of alignment with the forward end of such cartridge, a spout screw-threaded in said member and adapted to be moved by said screw threads when the spout is turned to abut the forward end of the cartridge, and means carried by the handle for expelling the contents of the cartridge through the spout.

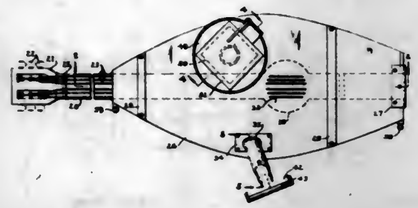
2,572,207

MUSICAL INSTRUMENT

Willie Lee Shirley, Northport, Ala.

Application October 27, 1950, Serial No. 192,533
4 Claims. (Cl. 84—170)

1. A musical instrument comprising an elongated sound box, a bar extending longitudinally through said sound box and projecting from one end thereof to provide a neck and a head at the distal end of the neck, tuning keys mounted in said head, strings mounted on said bar and connected each at one end to a corresponding tuning key, a cover secured to said sound box and covering said bar and the portions of said strings extending from the end of said neck remote from said head, said cover having spaced apart apertures therein one of which is disposed over said strings to provide access to the latter for plucking the strings, a tubular support secured at one end to said cover in registry with a second aperture in the latter, a harmonica holding clip of channel shaped cross section secured to the other end



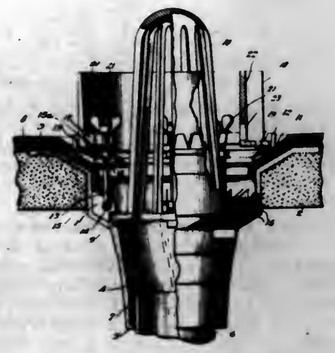
of said tubular support and having an opening therein communicating with the interior of said support, a tubular horn secured at one end to said cover in registry with a third aperture in the cover and including a bell at its outer end, a plate covering the mouth of said bell and having an opening therein, a flapper hinged to said bell in position to cover said opening, and hand operated means secured to said flapper for moving the latter away from said plate.

2,572,208

WATER RUNOFF CONTROL CONSTRUCTION

Bernard E. Sievert, Chicago, Ill., assignor to Woodruff & Edwards, Inc., Elgin, Ill., a corporation of Illinois

Application January 8, 1947, Serial No. 720,742
3 Claims. (Cl. 182—31)



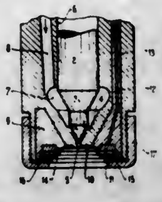
1. In a drain construction having a downwardly directed passageway, means for limiting the rate of flow of fluid from the area thereabout to said passageway comprising an upstanding barrier provided with at least one opening in a side thereof positioned substantially about and extending a substantial distance above said passageway and substantially preventing the passage of fluid within a predetermined depth from said area to said passageway except through said barrier opening, said opening being of a predetermined size to limit the rate of flow of fluid therethrough.

2,572,209

FUEL INJECTION DEVICE

Wytze Beye Smits, Voorburg, Netherlands, assignor to Smitsvonk N. V., The Hague, Netherlands

Application July 1, 1948, Serial No. 36,398
In the Netherlands July 23, 1947
2 Claims. (Cl. 123—169)



1. A combined fuel injection device and spark plug for internal combustion engines comprising an outer body adapted to be mounted in the wall of an engine cylinder, a fuel supply duct passing through said body having an outlet opening, a valve provided in said supply duct having a seat positioned inwardly of said outlet opening, said body, duct and valve constituting the injection device, at least two ring-shaped electrodes positioned coaxially around the outlet opening of said supply duct and below said valve, an insulating member having at least a portion thereof positioned below said valve interposed between and mechanically connecting said electrodes, the exposed end face of said insulating member serving to support the sparks sweeping between said electrodes across said end face, means insulatedly passing through said body for the electrical connection of at least one of said electrodes, the other electrode contacting a grounded part of the device, said electrodes and said separating member constituting a condenser operated surface discharge spark plug in the form of an individual unit, and a clamping ring for securing said unit detachably to the outer body.

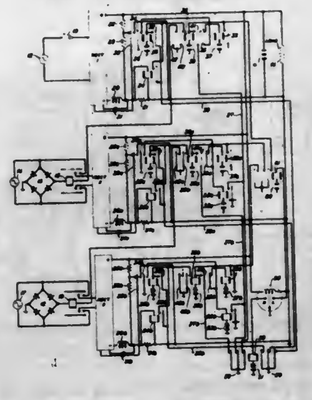
2,572,210

CURRENT SUPPLY APPARATUS

Harry H. Spencer, Springfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 11, 1950, Serial No. 161,306
5 Claims. (Cl. 171—97)

5. In combination, a first and a second rectifier each having an output circuit connected to a common load and an input circuit, means for supplying alternating current to the input circuit of said first rectifier, regulating means for conditioning said first rectifier alternatively for constant voltage or constant current operation, a first relay means for controlling said regulating means to change said first rectifier from constant voltage to constant current operation in response to the energization of said first relay means, a second relay means for completing a circuit for energizing said first relay means in response to an increase of output current of said first rectifier to a predetermined amplitude, a third relay means, means for completing a circuit for energizing said third relay means in response to the energization of said first relay means, means responsive to the energization of said third relay means for completing a second circuit for energizing said first relay means, a fourth relay means for completing a circuit for supplying alternating current to the input of said second rectifier when said fourth relay means is energized, means responsive to the energization of said third relay means for completing a circuit for energizing said fourth relay means, a fifth relay means for causing the com-



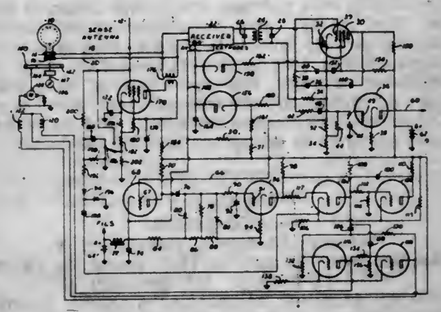
pletion of a second circuit for energizing said third relay means in response to the operation of said fifth relay means, and means for impressing the load voltage across said fifth relay means to cause its operation when the load voltage decreases to a predetermined voltage.

2,572,211

RADIO DIRECTION FINDER HAVING SENSE ANTENNA

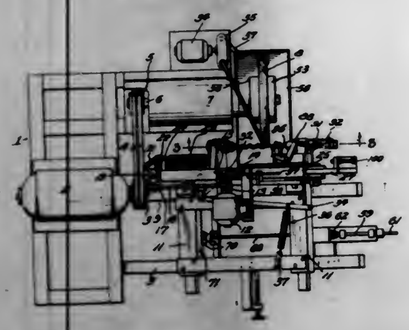
Joseph G. Speer, Merriam, Kans., assignor of one-half to H. G. Koenig, Merriam, Kans.

Application January 12, 1948, Serial No. 1,775
12 Claims. (Cl. 343—117)



1. In a radio direction finder of the kind described, structure adapted to receive and transmit radio signals, said structure being rotatable, whereby the amplitude of the transmitted signals changes as the structure rotates; automatic means for rotating said structure in either of two directions; an electric circuit connected with said structure for receiving signals therefrom; circuit elements operably connected with said electric circuit and responsive to the rate of change in amplitude in said signals for controlling said automatic means; and filtering means for rendering said elements less responsive to bursts of static received by said electric circuit.

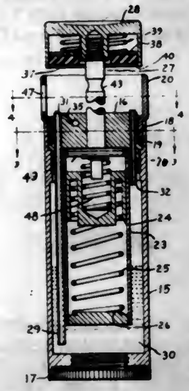
2,572,212
APPARATUS FOR GRINDING AUGER BITS AND SIMILAR ARTICLES
Lloyd Stebelton, Carroll, Earl W. Stebelton, Lancaster, and Hubert P. Berington, Columbus, Ohio
Application April 13, 1950, Serial No. 155,702
7 Claims. (Cl. 51—95)



1. In apparatus for grinding helical grooves in tool bodies, a frame, a grinding wheel supported on said frame for rotation in a substantially vertical plane, an operating motor mounted in said frame for rotating said wheel, frame-carried inclined supports, parallel longitudinally extending cross guides on said supports, a work-receiving carriage mounted on said supports and movable longitudinally of said guides toward and away from said grinding wheel, manually operated means for moving said carriage, a bed plate slidably mounted on said carriage, a helically grooved cylinder supported for rotation on one side of said bed plate, motor-driven means carried by said plate for rotating said cylinder, manually operated coupling means movably mounted on said carriage, said coupling means being engageable with the helical groove of said cylinder to effect upward movement of said bed plate relative to said carriage and in the inclined plane of the latter, and rotatable work-receiving means carried by said bed plate, said last-named means being rotatable synchronously with said cylinder through the operation of said plate-carried motor-driven means, said work-receiving means being engageable with said wheel when said carriage is advanced toward the latter.

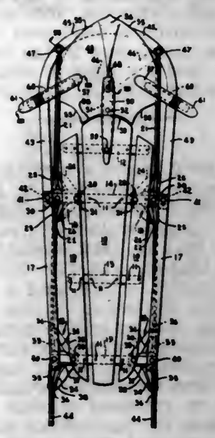
2,572,213
ATOMIZER
Gregory Steinberg, Bayside, N. Y.
Application February 26, 1947, Serial No. 731,001
11 Claims. (Cl. 299—88)

1. An atomizer comprising a casing having a spray delivery nozzle at the top, an air pump in said casing for supplying the atomizing force for said nozzle, said air pump including a cylinder, a piston operating in said cylinder, a plunger for actuating the piston projecting from the top of the casing and having an operating head on the upper end of the same, a closure for the nozzle carried by said operating head and engageable with the nozzle when the plunger is fully lowered in the casing, releasable means for holding the plunger lowered with said closure in engagement with the nozzle and means for automatically effecting limited, further separation of said closure in respect to said piston upon release of said holding means, to prevent engagement of the closure with the nozzle during normal, full-length pumping strokes of the plunger and piston and including an extensible and collapsible connection interposed at a point between said piston at the lower end of the plunger and said operating head at the upper end of the same operative, when



released, to effect pumping action of the piston with the closure raised clear of engagement with the nozzle but manually collapsible and arranged to be held collapsed by said holding means to effect sealing engagement of the closure with the nozzle.

2,572,214
SLED
Carl W. Sundberg, Birmingham, Mich., assignor to Pratt Manufacturing Company, Coldwater, Mich., a copartnership
Application March 7, 1947, Serial No. 732,945
2 Claims. (Cl. 280—22)



1. In a sled having a pair of flexible longitudinal runners, a deck supported above said runners, rigid transverse benches affixed to the bottom of said deck, and knees disposed between said benches and said runners; a steering means for said sled comprising a snow shield pivotally secured to said deck, two spaced handle members rigidly secured to said snow shield, a pair of arms pivotally secured to said snow shield at one end and to the forward portion of said runners at the other end for flexing said runners upon the pivoting of said snow shield; downwardly extending rivets mounted in the forward bench and extending downwardly therefrom for engagement with arcuate slots provided in the top of the forward knees, and means for pivotally attaching said forward knees to said forward bench to permit pivotal movement thereof to the extent permitted by said arcuate slots, said snow shield comprising a plate having its upper surface lying in a common plane with the upper surface of the deck and having the rearward edge thereof extending immediately adjacent the forward edge of the deck in any pivotal position thereof relative to the deck to form a forward extension of the deck of the sled, the forward edge of said snow shield forming the forwardmost portion of said sled.

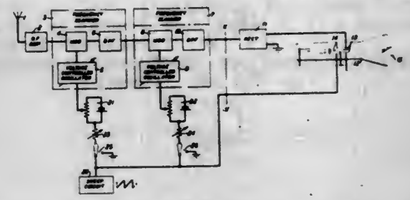
2,572,215
BUSHING AND METHOD OF MAKING SAME
Gilbert H. Swart, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 9, 1945, Serial No. 587,384
8 Claims. (Cl. 287—85)



1. A mounting or joint having an outer rigid member with a generally tubular portion, an inner rigid member with a generally cylindrical portion in substantially coaxial relation within said tubular portion, a separately cured intervening annulus of a rubber compound separating said portions, said annulus being maintained under substantial radial compression and axial elongation by said portions, a solid film comprising a rigid resin as a basic ingredient between at least one of said portions and said annulus, a surface of said annulus being rigidly and directly connected through said film to said last named portion, said resin film after being in a softened state uniting said annulus to the inner member upon change from the softened to the hardened state, said mounting or joint being further characterized by having a greater resistance to slippage than has a joint or mounting of identical size and composition but without said film.

5. In a method of making pivotal connections having inner and outer metallic elements, with the inner element substantially concentric with portions of the outer element and separated therefrom by an annulus of a rubber compound under relatively high radial compression and axial elongation, the steps which comprise coating substantial proportions of the inner surface of the outer element with a thermoplastic resin composition, coating substantial proportions of the outer surface of said inner element with a thermoplastic resin base composition, assembling said elements in concentric relation while simultaneously radially compressing said annulus of a cured rubber compound interposed between the outer surface of said inner element and the inner surface of said outer element, and thereafter selectively subjecting said metal elements to heat to cause softening of said thermoplastic material without relief of compressive strains in said annulus, whereby a bond between said annulus and said inner and outer elements is obtained.

2,572,216
SIGNAL RECEIVING SYSTEM
Edmund R. Taylor, Pelham Manor, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 1, 1944, Serial No. 529,092
7 Claims. (Cl. 250—20)

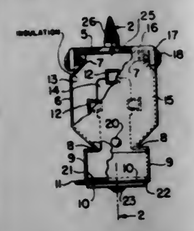


7. In combination, in a wave receiving system, a first modulator, means for impressing received waves on said modulator, means for concurrently impressing on said modulator beating oscillations the frequency of which varies cyclically over a first frequency interval, a first band-pass filter means connected to pass waves of the upper sideband only from the output of said modulator, a second modulator, wave translating means for impressing the wave output of said first filter means on said second modulator, means for concurrently impressing on said second modulator beating oscillations the frequency of which varies cyclically over a second frequency interval, means for synchronizing the respective cyclical variations of said beating oscillations supplied to said modulators, a second band-pass filter means connected to receive the wave output of said second modulator, utilization means connected to receive the wave output of said second filter means, said first frequency interval being at least substantially double the bandwidth of said first filter means, and both said second frequency interval and the said bandwidth of said first filter means being at least several times the band-width of said second filter means, said utilization means including a cathode ray oscilloscope, means for deflecting the cathode ray in predetermined correlation with the frequency variations of the beating oscillations impressed on said modulators, and ray controlling means continually responsive to the wave output of said second filter means.

2,572,217
MANUFACTURE OF VISCOSE RAYON
Gilbert I. Thurmond, Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application January 23, 1950, Serial No. 140,149
11 Claims. (Cl. 18—54)

1. In the manufacture of viscose yarn wherein a viscose solution is extruded through minute orifices into an acid spinbath to form filaments and the like therefrom, the step which comprises spinning the viscose filaments in the presence of a long chain aliphatic tertiary amine-alkylene oxide condensate formed from the reaction of a long chain aliphatic primary amine with an alkylene oxide whereby milkiness in the filaments and incrustation of the orifices are inhibited.

2,572,218
ATTACHMENT FOR THE ENDS OF ELECTRIC BUS BAR DUCTS
Cecil B. Turton, Plainville, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application February 17, 1949, Serial No. 76,874
5 Claims. (Cl. 174—74)



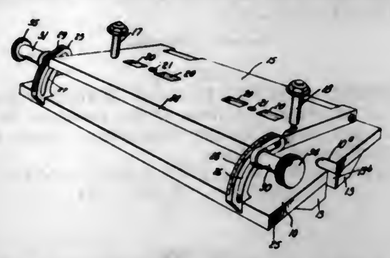
4. A closure for the end of a bus duct having top and side walls and an open bottom with opposed flanges thereacross including a plate member fitting an open end of the duct and having an integral laterally extending flange at the top, an integral lateral flange at the bottom extending in the same direction, said top flange having integral downwardly extending side flanges, a device on the top flange for suspending the duct from an overhead support, and means on the side flanges for clamping the plate to the side walls of the duct, said bottom flange having means for fastening the plate to the opposed bottom flanges of the duct.

2,572,219
METHOD OF PROCESSING ELECTROPLATED SPRING STEEL PARTS
Kenneth B. Valentine, Waterford Township, Oakland County, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
No Drawing. Application November 14, 1946, Serial No. 709,776
4 Claims. (Cl. 204—29)

1. The method of processing parts formed of hardened and tempered spring steel having a Rockwell C hardness of at least 50 which comprises heating the steel at a temperature within the range of 1000° F. to a temperature just below the lower critical range of the steel (Ac_1) for a time within the range of about one to two hours, thereafter heating the spring steel to a temperature within the range of about 1500° F. to 1650° F. to austenize the same, quenching said heated spring steel to harden the same, tempering said hardened spring steel by heating the same to a temperature within the range of 400° F. to 750° F., electrodepositing onto said hardened and tempered spring steel a coating of the class consisting of zinc and cadmium, and then heating said spring steel and electrodeposited coating thereon at a temperature within the range of 200° F. to 400° F. for a time within the range of one to four hours.

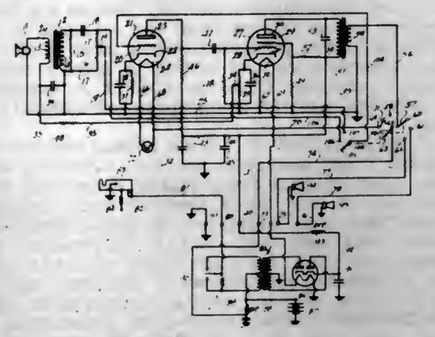
2,572,220
ADAPTER FOR RADIAL GRINDING ATTACHMENTS
Ernest Vidales, San Antonio, Tex.
Application August 31, 1949, Serial No. 113,423
1 Claim. (Cl. 51—216)

An adapter of the class described comprising a base section, a work supporting section hinged to said base section along one side edge thereof, graduated upstanding slotted arc-shaped guide members carried by the base section at the ends thereof, said guide members being curved rearwardly and having direct abutting and wiping engagement with the ends of the work supporting section, tightening screws directly threaded into the ends of said work supporting section itself and passing through the slotted guide members, said screws overlapping the slots of the guide members for frictionally binding the guide members against the ends of the work supporting section to frictionally lock the work supporting section at a selected angle relative to the base section upon



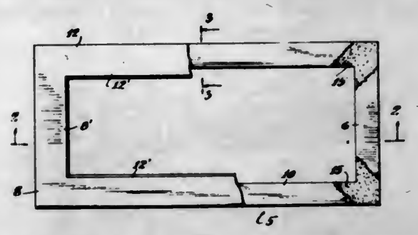
the guide members, upstanding work support engaging bolts carried by said work supporting section, said work supporting section having retaining lug receiving apertures formed therein intermediate the work support engaging bolts, said base section having anchoring bolt receiving apertures at the ends thereof, raising blocks secured to the under face of the base section and having apertures registering with the anchoring bolt receiving apertures, the raising blocks having oppositely beveled ends to snugly fit the table of a selected type of grinder, and dowel pins removably securing the raising blocks to the base section.

2,572,221
PORTABLE PUBLIC ADDRESS SYSTEM
Robert H. Voigt, Detroit, Mich.
Application September 30, 1949, Serial No. 118,900
6 Claims. (Cl. 179—1)



1. In a public address system, a carbon microphone, a vacuum tube amplifier including at least one tube having a grid, a plate, and a cathode, a cathode resistor, and means for connecting said cathode resistor to provide a bias voltage for the grid, an input circuit connected to said carbon microphone and coupled to said amplifier, and circuit means connecting at least a portion of said cathode resistor, said input circuit and said microphone in series and arranged to energize said microphone.

2,572,222
DOORFRAME
Robert S. Wade, Akron, Ohio, assignor to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application March 28, 1947, Serial No. 737,851
1 Claim. (Cl. 20—35)

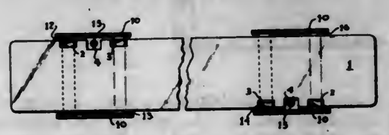


A sliding door construction for a refrigerator cabinet, comprising top, bottom and end members together making up a substantially rectangular frame for holding at least one transparent panel, each of said members having a core portion of hard rubber faced with soft rubber on the inside and outside of the door construction, and soft rubber inserts at each corner of said door construction between the ends of the hard rubber cores of said members; said members and said inserts being united to form a substantially integral door construction for receiving said transparent panel, and the hard rubber cores of said top and bottom members being provided with grooves acting as guiding means for cooperation with a door frame to facilitate the sliding of the door construction.

2,572,223
SEPARATION OF PETROLEUM-IN-WATER EMULSIONS
Abraham Shapiro, Pasadena, and Albert F. Clark, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1950, Serial No. 177,958
10 Claims. (Cl. 252—330)

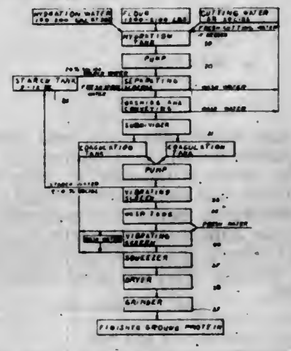
1. The method of resolving an emulsion of petroleum in water which comprises: adjusting the pH of the aqueous phase of the emulsion to within the range 7.0 to 9.0, and adding to said aqueous phase a salt of permanganic acid in proportions of at least 1.5 parts per million of the permanganate radical with respect to the total liquid treated.

2,572,224
VENETIAN BLIND SLAT
Brooks Walker, Piedmont, Calif.
Application December 14, 1945, Serial No. 634,910
2 Claims. (Cl. 160—173)



1. In a Venetian blind slat of substantial uniform thickness throughout its width, a longitudinal edge of the slat having a lift cord notch and ladder rung notches on both sides of the lift cord notch, said last mentioned notches engaging the ladder rungs to provide lateral stability to the slat in either horizontal or tilted position.

2,572,225
MANUFACTURE OF WHEAT PROTEIN AND STARCH
James F. Walsh, Holland, Mich., David M. Levitt, Great Neck, N. Y., and Abraham H. Goodman, Holland, Mich., assignors to Doughnut Corporation of America, New York, N. Y., a corporation of New York
Application November 1, 1944, Serial No. 561,476
3 Claims. (Cl. 127—67)

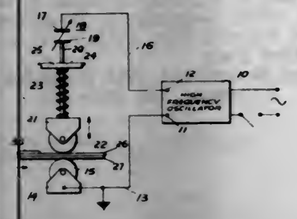


1. The method of recovering from wheat flour, starch and gluten, the latter of at least 75% purity, which comprises mixing such flour with water to form a soft dough, said water being limited in amount so that with the initial moisture content of the flour the water equals about 85 to 115% of the dry weight of the flour, continuing the mixing until the gluten has hydrated sufficiently to revelop such cohesive strength as to resist dispersion on the subsequent addition of more water, then adding more water limited in amount as hereinafter defined and repeatedly stretching the dough into strands to expose large surfaces to the washing action of the added water to remove the starch from the gluten, continuing the stretching and washing action in the presence of such additional water until the starch has been substantially washed out of the gluten to form a slurry and the gluten in its thus purified condition breaks up by the aforesaid stretching operation into small pieces but large enough to permit mechanical separation from the starch slurry, washing the gluten with a limited amount of wash water for subsequent mixing with the flour as aforesaid, the aggregate amount of water used being limited so that the starch slurry contains from 15 to 24% starch solids, and then mechanically separating the purified gluten from the starch slurry.

2,572,226
WELDING OF THERMOPLASTIC MATERIALS WITH APPLICATION OF HIGH-FREQUENCY DIELECTRIC ENERGY AND PRESSURE
John E. Walstrom, Diablo, Calif., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application April 24, 1947, Serial No. 743,570
1 Claim. (Cl. 219—47)

An apparatus for heating dielectric materials, comprising a pair of metal electrodes, means

normally urging said electrodes together, the dielectric materials to be heated being passed between said electrodes, and a source of high frequency oscillatory energy, said electrodes being electrically connected in series with a variable condenser across the output of said source, said condenser having an average capacitance approximating the average capacitance



across said electrodes with said dielectric material therebetween, said condenser having one electrode which is movable to vary the spacing between the two electrodes thereof, one of said metal electrodes being mechanically connected to said one condenser electrode to decrease the spacing between the electrodes of the condenser as the spacing between said metal electrodes increases.

2,572,227

ELASTOMERIC POLYSILOXANES AND METHODS OF PREPARING THEM, UTILIZING TERTIARY BUTYL PERACETATE

Earl Leathen Warrick, Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan

No Drawing. Application November 10, 1949, Serial No. 126,681
9 Claims. (Cl. 260—46.5)

1. A method of preparing elastomeric polysiloxanes which comprises compounding a readily deformable polymeric siloxane of at least 5,000 cs. viscosity at 25° C., which siloxane has a degree of substitution of from 1.95 to 2.05 organic groups per silicon atom, said organic groups being selected from the group consisting of methyl and monocyclicaryl radicals, there being at least 50 mol percent dimethylsiloxane in said polymeric siloxane, with a filler and from 1 to 10 percent of tertiary butyl peracetate based upon the weight of the siloxane and thereafter vulcanizing the compounded material by heating it at a temperature of from 100° C. to 300° C. for at least 1 minute.

2,572,228

ETCH FOR OFFSET PLATE MAKING

Paul J. Whyzmuzis, Jamaica, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application July 20, 1950, Serial No. 175,030
5 Claims. (Cl. 41—42)

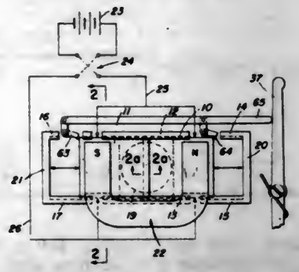
1. An etch which dissolves chromium without attacking copper, and which has relatively slow action on a light-hardened bichromated gum arabic film, consisting of a concentrated solution of a chloride of the group consisting of calcium and magnesium chlorides, a minor proportion of a concentrated solution of a chloride of the group consisting of stannic and chromic chlorides, and a small amount of acid sufficient to reduce the pH to below 2.0.

2,572,229

ELECTRICALLY OPERATED PHOTOGRAPHIC SHUTTER

Frederick P. Willcox, Bethesda, Md., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application September 16, 1947, Serial No. 774,251
9 Claims. (Cl. 95—56)



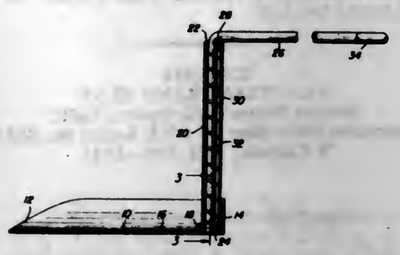
1. In a photographic shutter, a plurality of movable blade members for covering and uncovering a light-admitting aperture and means for moving said blades to open and to close the aperture comprising magnets positioned adjacent said blades having a magnetic field of fixed polarity perpendicular to the direction of motion of said blades, the lines of force of said field being cut by said blades, and means in electrical connection with said blades for passing electric current therethrough in a direction substantially perpendicular to said field and to the direction of movement of the blades, and means including a rotary reversing switch for opening and closing the circuit through said blades, said reversing switch having conducting and non-conducting portions and brushes in contact with said conducting and non-conducting portions so disposed that for part of a revolution of said switch, current is led through the blades in one direction causing displacement of said blades in said magnet field in one direction and for another part of the revolution of said switch, current is reversed to pass through said blades in the opposite direction, causing displacement of said blades in said magnet field in the other direction.

2,572,230

FURNACE CLEANING SHOVEL

Ernest Williams, Kankakee, Ill.

Application March 15, 1948, Serial No. 21,472
3 Claims. (Cl. 294—53.5)



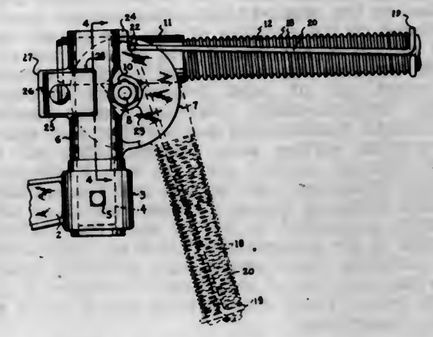
1. A shovel comprising a scoop, a reinforcing plate on the heel of the scoop, an upstanding neck on said plate, an upstanding pipe fixed in said neck and extending above the top of said scoop, an elongated handle having a portion thereof extending through said pipe and having a bent portion at the upper end of the pipe, and a spring coiled between said first mentioned portion and said pipe and compressed between the upper end of said pipe and the upset end of the handle.

2,572,231

ADJUSTABLE BRACKET

William H. Woodward, Detroit, Mich.

Application February 26, 1948, Serial No. 10,979
9 Claims. (Cl. 248—276)



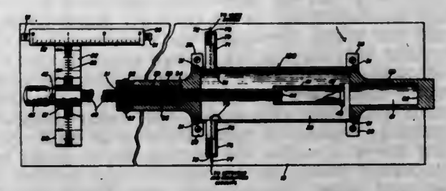
1. A bracket comprising a pair of correlated friction plates, means pivotally supporting one of said plates on the other, an arm carried by and projecting from the pivotal plate and substantially transverse to the pivotal axis of such plate, a load on said arm imposing a pivotal bias on the pivotal plate, the longitudinal axis of said arm being spaced from said pivotal axis, a spring coiled on said arm and having an end reacting on the pivotal plate to oppose said pivotal bias, an abutment for the other end of the spring loosely carried by the arm, and a tie member securing said abutment to the supporting friction plate.

2,572,232

HIGH-FREQUENCY WAVEMETER

John E. Wolfe, Manhattan, Kans., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 10, 1947, Serial No. 760,020
3 Claims. (Cl. 250—39)



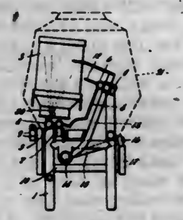
1. A wavemeter comprising a calibrated adjustable sharply tuned resonant circuit, said circuit including a hollow cylindrical member, rod means extending into said cylindrical member at its one end defining a quarter wave resonant coaxial line of variable length therewith to vary the resonance of said circuit at the upper range of frequencies of said wavemeter, capacitance means associated with said rod means and the other end of said cylindrical member defining an end loading capacitance to vary the resonance of said circuit at the lower range of frequencies of said wavemeter, means for loosely coupling a source of electromagnet energy to said tuned circuit, means for loosely coupling said tuned circuit to an external detector and means external to said circuit for reciprocating said rod means.

2,572,233

CONVEYING APPARATUS FOR MILK CANS

Wilhelm Ludwig Heinrich Ernst Würdemann, The Hague, Netherlands, assignor to Vennootschap onder firma Postma & Feenstra, Greunsweg, Leeuwarden, Netherlands, a corporation of the Netherlands

Application October 31, 1950, Serial No. 193,120
In the Netherlands October 30, 1948
1 Claim. (Cl. 198—219)



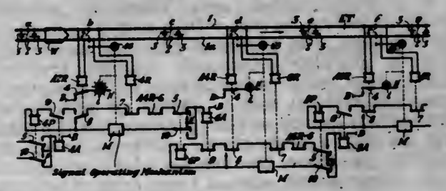
A conveying apparatus for milk-cans and like containers comprising, in combination, a longitudinally reciprocating carrier having a horizontal carrying rail and a plurality of can supporting members positioned obliquely above said carrying rail to support the containers being conveyed on the rail in an inclined position, a stationary horizontal supporting rail spaced from and parallel to said carrying rail and disposed in substantially the same horizontal plane thereto, means for longitudinally reciprocating said carrier relative to said stationary supporting rail in a forward container-carrying stroke and in a return stroke, laterally reciprocating container-positioning means including a plurality of spaced container engaging members positioned to shift the containers carried by the reciprocating carrier to and from supporting engagement on the stationary supporting rail, and means for reciprocating said laterally-reciprocating means in timed relationship with the reciprocating movements of said carrier, said laterally reciprocating means being reciprocated to remove the containers from the reciprocating carrier during the return stroke of the carrier, said laterally reciprocating means being movable at right angles to the vertical plane through the stationary supporting rail.

2,572,234

RAILWAY SIGNAL CONTROL SYSTEM

Henry S. Young, Wilkinsburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application August 19, 1947, Serial No. 769,479
14 Claims. (Cl. 246—46)



1. In a railway signal control system for a stretch of railway track which is divided into a

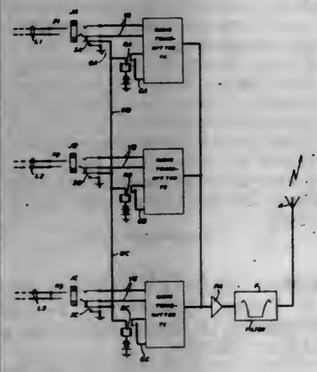
plurality of consecutive blocks each of which is provided with a signal having an operating element for governing traffic movements in a given direction through its block, the combination comprising a pole-changing relay and an approach relay for each of said signals so proportioned that if a circuit is completed including the winding of one of said approach relays in series with one of said signal operating elements the approach relay will close a front contact and said one signal operating element will be operated for displaying a caution or a proceed indication but that if a circuit is completed including the winding of one of said pole-changing relays and one of said signal operating elements and also the winding of one of said approach relays all in series the pole-changing relay will close its front contacts but the approach relay and the signal operating element will not be operated, a signal control circuit for each of said signals including its operating element in series with the winding of the approach relay for the next signal in advance and controlled by the pole-changing relay for the next signal in advance and by a back contact of a track relay for the next block in the rear, and a control circuit for each of said pole-changing relays including its winding and the operating element for its signal and the winding of the approach relay for the next signal in advance all in series and controlled by front contacts of the approach relay for its signal and of said track relay for the next block in the rear.

2,572,235

MULTICHANNEL INTERMODULATION INTERFERENCE REDUCTION RADIO COMMUNICATION SYSTEM

William R. Young, Jr., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 30, 1948, Serial No. 18,018
8 Claims. (Cl. 250—6)



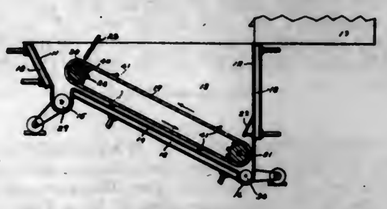
5. A multichannel radio system for providing communication service within a single geographic service area, said system comprising in combination a plurality of fixedly located frequency modulation radio transmitters each designed to generate electric carrier energy of substantially the same intensity as that produced by the others but having a respectively different mean frequency, the mean frequencies of all of said carriers being closely spaced from each other within an assigned portion of the frequency spectrum, a plurality of groups of mobile frequency modulation radio receivers within said single geographic service area for receiving said carriers, all of the receivers in each group being particularly tuned to receive an assigned one of said carriers which is different from the carriers to which the receiver in the other groups are tuned, each of said transmitters having a signal input circuit and a normally disabled starting circuit, a plurality of independent sources of signaling energy, coupling means for coupling any one of said signal sources to any one of said transmitter signal input circuits for modulating the frequency of only the carrier energy generated by the coupled transmitter, control means actuated by the coupling of any one of said signal sources to any one of said signal input circuits for enabling all of said starting circuits to start all of said transmitters substantially simultaneously, radiating means located at a single transmitting point within said single geographic service area for radiating all of said different carrier energies, and a common circuit extending from each of said transmitters to said radiating means for supplying all of said carriers generated by all of said transmitters to said single transmitting point for simultaneous radiation therefrom by said radiating means whereby any one of said mobile receivers is always within equal transmitting range of all of said transmitters.

2,572,236

DRAIN PAN

Raymond Tuttle Anderson, Lakewood, Ohio, assignor to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio

Application August 25, 1947, Serial No. 770,536
2 Claims. (Cl. 210—175)



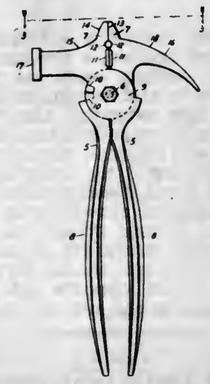
1. A drain pan for handling cracklings in the separation of liquids therefrom, comprising a receptacle having side walls and end walls, a bottom wall lying in an inclined plane between said end walls, the upper and lower ends of said bottom wall having transverse portions recessed below the plane of the bottom to form respective upper and lower troughs, one of the side walls being provided with upper and lower discharge openings registered respectively with said upper and lower troughs, an endless foraminous belt supported within said receptacle and having upper and lower flights, the lower flight extending generally parallel to said bottom wall and disposed to scrape said bottom wall in the direction of said lower trough during belt movement, the upper flight being adapted to travel in an upwardly inclined direction to carry material supportable thereon towards and into said upper trough, screw flight means in each said trough each such screw flight means having a portion thereof extending through the aforesaid respective discharge opening in the side wall, upper dam means extending transversely across said receptacle above said upper flight near said upper trough and vertically spaced from said upper flight a predetermined distance to permit passage thereunder of a layer of material of predetermined thickness, and lower dam means extending transversely across said receptacle immediately above the lower end of said upper flight above said lower trough, whereby to prevent dropping of oversized pieces of material into said lower trough.

2,572,237

COMBINATION TOOL

Howard David Andrews, Salinas, Calif., assignor of one-half to Clair Hicks, Salinas, Calif.

Application January 12, 1946, Serial No. 640,884
1 Claim. (Cl. 254—77)



In a combination tool including a pair of crossed pivotally connected handles, each of said handles having outwardly of the pivotal connection thereof integral cooperable jaws, said jaws being adapted to be moved to and away from each other by movement of the handles, each of the jaws outwardly of the pivotal connection including abutting faces, and immediately outwardly of which and in alignment with said pivotal connection each jaw being provided with a semicircular recess that extends transversely from opposite sides thereof, and when said jaws are brought together the semi-circular recesses jointly defining a complete circular recess for closely gripping a wire, said jaws having end portions extending outwardly a substantial distance beyond the semicircular recesses therein, said end portions having flat side faces and inner continuous flat faces in abutting relationship, said end portions of the jaws when brought together serving as a fulcrum for the tool, and a lateral extension projecting from one of the jaws at a point immediately above the semicircular recess therein, said extension having a curved fulcrum face substantially tangent to the upper portions of the semicircular recesses when said end portions of the jaws are in abutting relationship, whereby when the handles of the tool are gripped in the hand with the tool disposed lengthwise and a side face thereof substantially flat against the surface of an object, and a wire projecting outwardly and at a right angle therefrom is gripped in the said recesses of the jaws, and the tool is first moved to a substantial right angular position with respect to the said surface with the said outer end portions of the jaws serving as a fulcrum in this respect, and the tool is then moved upon the curved surface of said lateral extension as a fulcrum in a different direction from which it is first moved, the wire that is gripped by the tool and the tool are doubly fulcrumed thereby enabling the wire to be tightly drawn outwardly from the said surface.

2,572,238

CARBOXYLIC ACIDS FROM MERCAPTANS

Seaver A. Ballard, Orinda, Kenneth E. Furman, Berkeley, and Harry de V. Finch, El Cerrito, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 20, 1948, Serial No. 61,302
9 Claims. (Cl. 260—413)

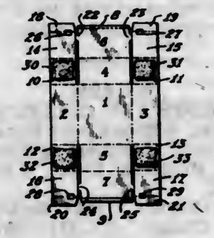
1. A process for effecting the direct conversion of an aliphatic primary mercaptan to an alkali metal salt of an aliphatic carboxylic acid which comprises contacting said aliphatic primary mercaptan with a molten alkali metal hydroxide in the presence of a solid catalyst composed of sulfides of tungsten and nickel at a temperature not greater than about 485° C.

2,572,239

BOX WITH OVERLAPPED END WALLS

Frank David Bergstein, Wyoming, Ohio

Application December 20, 1947, Serial No. 793,010
5 Claims. (Cl. 229—34)



1. In a box element a main panel, side walls articulated to opposite side edges thereof, end walls articulated to opposite end edges thereof, side wall flaps articulated to end edges of said side walls, said flaps bearing extensions and tabs, extensions on said end walls and tabs on said last mentioned extensions, locking tongues formed on end edges of said end wall extensions, said tabs on said side wall flap extensions having slots formed therein substantially at the lines of articulation of said tabs to accept said tongues, said side wall flap extensions being folded over onto said side wall flaps and adhesively secured thereto, with said side wall flap extension tabs freely overlying end portions of said side walls whereby when said element has its side and end walls erected, its side wall flaps turned inwardly inside the end walls, and said end wall extensions folded inwardly, said locking tongues will engage in said slots, which engagement will be retained despite substantial displacement of said side walls.

2,572,240

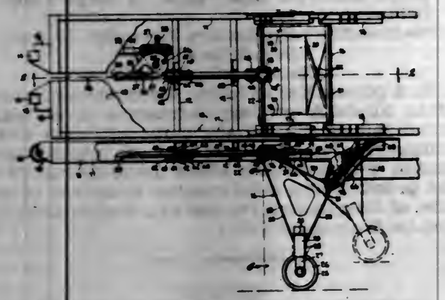
PROP MECHANISM FOR SEMITRAILERS

James J. Black, Cincinnati, Ohio, assignor, by mesne assignments, to Trailmobile Inc., a corporation of Delaware

Application August 6, 1946, Serial No. 688,724
12 Claims. (Cl. 280—33.05)

3. In a semi-trailer including a chassis having wheels at its rearward end and a prop retractably mounted at its forward end; a set of tracks arranged in forward and rearward pairs and secured to said chassis in spaced relationship, said prop being translatably mounted in said tracks, a translatable push rod, spaced bearings mounted upon the chassis and arranged

to slideably support the push rod for axial movement substantially in a horizontal plane, the rearward end of the push rod being extended beyond said bearings and pivoted directly to said prop, the forward of said pair of tracks being
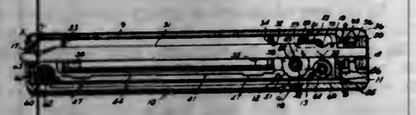


disposed in alignment with said push rod to permit the forward portion of the prop to be translated in alignment with the push rod, and the rearward of said tracks being disposed in an inclined plane to raise and lower the rearward portion of the prop upon translation of the prop.

2,572,241

RECORDER FOR COLLECTIONS

Harvey N. Bliss, Windsor, and Harold B. Vroom, Hartford, Conn., assignors to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

Application February 7, 1947, Serial No. 727,268
9 Claims. (Cl. 101—96)



1. In a recorder for collections adapted to be used with a receipt card having printing indicia embossed thereon, the combination comprising a housing having a receipt card receiving slot adjacent the bottom thereof, a removable tray supported in said housing and spaced above the bottom thereof so as to permit the insertion of the receipt card therebetween, the bottom of the housing being provided with platen means on which the receipt card is adapted to rest, means on the tray for supporting an inking ribbon along the top of the card, a frame means movably supporting the frame above the tray for movement toward and away from the inking ribbon, means on said frame for supporting a tally roll transversely of the receipt card, said frame having platen means for pressing the tally roll against the inking ribbon and raised indicia of the card to cause the roll to be printed upon, a printing mechanism on the tray adapted to be moved toward and away from the inking ribbon, manually operated actuating means supported by said housing for substantially simultaneously moving the frame and printing mechanism against the inking ribbon to cause the tally roll to be printed by the raised indicia of a card inserted beneath the ribbon and to cause the said printing mechanism to print on the card, means for returning the frame and printing mechanism to original position, and means for advancing the tally roll upon return of the frame to original position.

2,572,242

SKEW BRICK FOR KILNS

Donald Burchett, Olive Hill, Ky.

Application March 5, 1946, Serial No. 652,116
1 Claim. (Cl. 72—38)



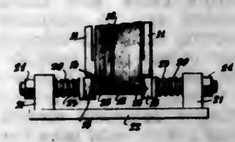
A skew brick having a substantially square shaped rear end portion, a straight bottom portion having a locking recess at the rear end thereof, grooves in said bottom portion forwardly of said recess and extending transversely of the bottom portion in parallel relation to the forward edge of said recess, a reduced forward end portion and the top of the brick tapering downwardly to said forward end portion and the sides of the brick tapering forwardly to said forward end portion, a locking lip on the forward end portion extending outwardly of one side of the brick and a locking seat on said forward end portion inwardly of the opposite side of the brick and the lip forming one side of said seat.

2,572,243

PRESSURE APPLICATOR FOR PLASTIC BINDINGS OF HARD CASED BOOKS

Frank J. Cashin, Hempstead, N. Y., and Howard W. Wolf, Hanover, Pa., assignors, by mesne assignments, to The DeFlorez Company, Inc., a corporation of Delaware

Application October 18, 1949, Serial No. 122,026
4 Claims. (Cl. 11—1)



1. In the manufacture of adhesive bound books that method of preparing a page block of folded leaves, to receive the adhesive binding, comprising, trimming the folds from the binding edge, abrading the trimmed surface, brushing the surface clean, applying high pressure to the sides of the page block at the binding edge by passing the page block into sliding engagement with compressive members, disposed at either side of the page block adjacent the binding edge, and thereafter applying adhesive to the compressed binding edge.

2,572,244

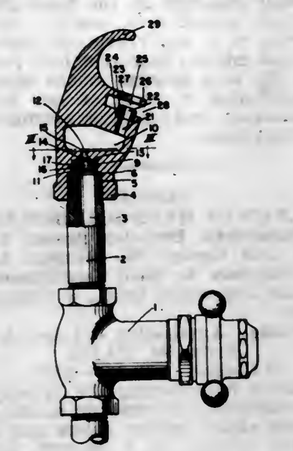
DRINKING FOUNTAIN APPARATUS

Thomas B. Chace, Winnetka, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application February 4, 1946, Serial No. 645,383
1 Claim. (Cl. 299—15)

In a bubbler fountain including a body having an inlet, a generally upwardly directed discharge orifice and a fluid pressure expansion chamber between the inlet and discharge orifices, said body having a portion adjoining said chamber recessed in a direction away from said chamber and defining a centrally apertured shoulder communicating with said chamber, a pressure responsive

annular flow control rubber between the inlet and pressure chamber seated on said shoulder in said recessed portion in juxta-opposed relation to said chamber to control automatically, in response to



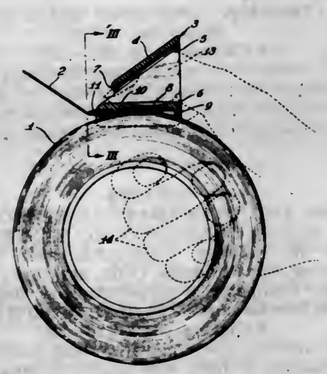
the pressure of the incoming fluid, the flow of fluid into said chamber and upwardly out of said orifice, said rubber being deflectable upwardly at its center in the aperture of the shoulder toward and adjacent to said chamber.

2,572,245

FINGER HELD TAPE CUTTER

Harold A. Coldiron, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

Application June 1, 1949, Serial No. 96,507
1 Claim. (Cl. 164—84.5)



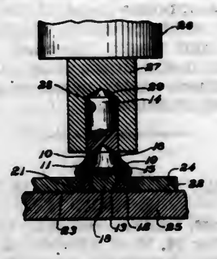
In a tape cutting device, a platform having digit embracing means thereon, side flanges depending from said platform, front and rear legs depending from said platform transverse to said side flanges, and a knife embedded in said side flanges substantially parallel to and beneath said platform and seated against one of said legs, said knife extending forwardly of said platform and digit, whereby placing of said device upon the tape roll with the flanges and legs thereof in engagement with the side and circumferential faces respectively of said roll will position the knife for severing the tape in selective lengths.

2,572,246

EXPANSIBLE RIVET ASSEMBLY

Russell S. Colley, Cuyahoga Falls, and Homer E. Wilt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 3, 1949, Serial No. 68,808
10 Claims. (Cl. 85—40)



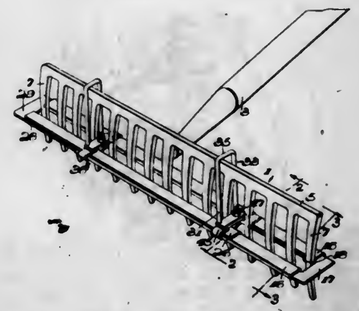
1. An expansible rivet assembly comprising a body having a bore extending into the same from an end thereof and having a force-receiving and transmitting portion spaced from said end comprising stiff material of sufficient thickness and stiffness to resist substantial distortion of said portion while receiving and transmitting compressive force applied to said body in the direction axially thereof for upsetting said rivet assembly, and a hollow reinforcing plug in said bore of said body extending from said end thereof toward the other end of said body for disposition in force-transmitting relation to said portion axially of said body and having a closed end closing the assembly at the first said end of the body, said body and said plug having continuously annular wall portions in telescopic overlapping relation one to the other intermediate the first said end and said force-receiving and transmitting portion of said body, said wall portions being outwardly expansible together at a face of the work by compressive force applied to both said body including said force-receiving and transmitting portion thereof and said plug in the axial direction of said body and said plug.

2,572,247

RAKE CLEANER ATTACHMENT

John Conway, Minneapolis, Minn.

Application December 2, 1948, Serial No. 63,118
1 Claim. (Cl. 56—400.08)



A cleaning device for a rake, comprising a cleaner frame including spaced cleaner bars, a hook having a web and at least one leg depend-

ing therefrom, said web adapted to rest on and be supported by the rake, and means removably and adjustably mounting the cleaner frame on the leg of the hook, including bridging and clamping members extending from one cleaner bar to the other on opposite sides thereof and having openings therethrough for loosely receiving the leg of the hook therethrough, said clamping member having bent end portions extending to the opposite sides of the cleaner bars and between said bridging member and the cleaner bars, and means threaded on the leg of the hook for maintaining said clamping and bridging members under pressure clamping the cleaner bars therebetween.

2,572,248

ELECTROLYTIC METHOD OF MAKING BORON

Hugh S. Cooper, Shaker Heights, Ohio, assignor to Walter M. Weil, Cleveland, Ohio

No Drawing. Application October 8, 1949, Serial No. 120,414
9 Claims. (Cl. 204—64)

1. The process of preparing boron comprising electrolyzing a fused bath consisting essentially of potassium chloride and potassium fluoborate.

2,572,249

ELECTROLYTIC PRODUCTION OF ELEMENTAL BORON

Hugh S. Cooper, Shaker Heights, Ohio, assignor to Walter M. Weil, Cleveland, Ohio

No Drawing. Application June 21, 1950, Serial No. 169,529
21 Claims. (Cl. 204—64)

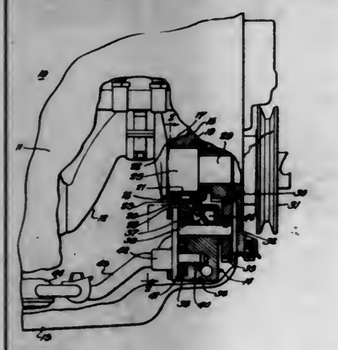
1. The process of preparing boron comprising electrolyzing a fused bath consisting essentially of a potassium salt of a normally gaseous halogen, potassium fluoborate, and boron oxide.

2,572,250

OIL PUMP ASSEMBLY

Fred H. Davis, Rock Island, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin

Application April 6, 1945, Serial No. 586,862
9 Claims. (Cl. 184—6)



1. The combination with a crankshaft of an internal combustion engine, housing means for said crank comprising a crank case in which the crankshaft rotates and a two-part front bearing therefor comprising a fixed half bearing and a detachable cap having a mating half bearing, of a drive rotor mounted on the front end of said shaft in front of said front bearing, an oil pump for supplying oil to said bearing mounted on said cap, and transmission from said drive rotor to said oil pump, the said housing means comprising a portion extending in front of said drive rotor and transmission, and a portion extending underneath said oil pump.

2,572,251

HYDROLYSIS OF HYDROCARBON HALIDES

Aldo De Benedictis, Berkeley, Seaver A. Ballard, Orinda, and George W. Hearne, Lafayette, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 31, 1949, Serial No. 124,718
9 Claims. (Cl. 260—640)

1. A process for effecting the hydrolysis of a saturated aliphatic hydrocabron halide containing at least eight carbon atoms per molecule wherein the halogen is a halogen having an atomic number not less than 17 and not greater than 53 to produce a corresponding alcohol containing at least eight carbon atoms per molecule, which comprises heating said hydrocarbon halide in heterogeneous liquid-phase mixture with an aqueous alkaline solution and repressing the rate of formation of ether by-products by the deliberate inclusion in the reaction mixture of a water-immiscible hydrocarbon solvent.

2,572,252

PAINT COMPOSITIONS

Hendrik de W. Erasmus, Lewiston, and James B. Culbertson, Lockport, N. Y., assignors to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application March 4, 1949, Serial No. 79,736
3 Claims. (Cl. 106—148)

1. A pigmented coating composition comprising a paint vehicle and finely-divided silicon nitride selected from the group consisting of white and gray silicon nitride as a pigment therein.

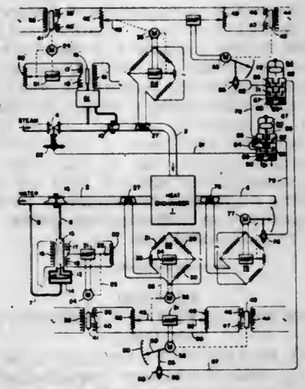
2,572,253

FLOW AND TEMPERATURE RESPONSIVE FLUID CONDITIONING SYSTEM

Frank H. Fellows, Cleveland, and Harry E. Weaver, South Euclid, Ohio, assignors to Bailey Meter Company, a corporation of Delaware

Application December 24, 1947, Serial No. 793,750
9 Claims. (Cl. 236—23)

1. A heating and control system comprising, in combination, a heat-exchanger, means for supplying a fluid to be heated to said heat exchanger, means for supplying a heating fluid to said heat exchanger, valve means for controlling the flow in one of said fluid supply means, means responsive to the flow and temperature of the fluid in said first mentioned supply means for producing an operating force proportional to the B. t. u. needed to bring the fluid in such supply means to a predetermined temperature, means responsive to the flow and temperature of the fluid in said second mentioned supply means for producing an operating force proportional to the B. t. u. contained by said heating fluid, means responsive to said operating forces for producing a pressure proportional to the ratio of such forces, pressure responsive means for controlling said



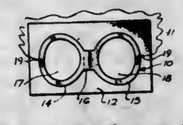
valve means, and means for conducting said pressure to said pressure responsive means.

2,572,254

RESPIRATOR

William M. Folberth, Cleveland, Ohio

Application December 8, 1949, Serial No. 131,720
7 Claims. (Cl. 128—148)



1. A respirator comprising a frame member providing closely spaced open areas, said respirator being adapted to be disposed against the nose of a user with the open areas beneath the user's nostrils, an elastic band adapted to be supported on the user's head and to urge the frame member toward the user's nostrils, and a thin flexible filter element overlying the open areas provided by the frame and adapted to be disposed between the frame and the adjacent portions of the user's nose and held in place solely by engagement between said frame and the user's nose.

2,572,255

SEISMIC SURVEY SYSTEM FOR SUBMERGED AREAS

Roy Lee Gallaway, Laurel, Miss., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application January 18, 1950, Serial No. 139,248
4 Claims. (Cl. 177—352)



1. A seismic surveying system for submerged areas including a marine cable adapted to be towed through the submerging medium, buoys spaced apart from each other and attached to said cable, a weighting chain for each buoy attached by one end thereto with the free end of the chain adapted to drag upon the surface of the submerged area, and seismic detectors each supported in a submerged carrier, said carriers being connected by non-rigid means to said cable and spaced apart along the cable, each detector being in electrical communication with an electrical conductor in association with said cable, the relative weight of the said chains and buoyancy of the combined cable and buoys being such that the upward force of the buoyancy of the combined cable and buoys is greater than zero but less than the downward force of the entire weight of the chains, so that the whole assembly will stabilize at a level where the supporting of a portion of each chain by the ground surface leaves in balance the opposing upward force of the buoyancy and downward force of the unsupported portion of the chains.

2,572,256

TRANSPARENT UREA-ALDEHYDE TYPE RESINS AND METHOD FOR PRODUCING THE SAME

Philip James Garner, Hooten, Wirral, and Ralph Edward Bowman, Little Chalfont, England, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 17, 1948, Serial No. 27,606. In Great Britain June 4, 1947
13 Claims. (Cl. 260—69)

11. An infusible transparent resin obtained by condensing 50 mol per cent to 70 mol per cent of a member of the group consisting of formaldehyde, aldehydes of the formula

$$R-\underset{H}{\overset{|}{C}}=O$$

wherein R is a hydrocarbon radical containing from 1 to 8 carbon atoms, and substances liberating the aforedescribed aldehydes, with 25 mol per cent to 50 mol per cent of a member of the group consisting of urea, thiourea, and mixtures thereof, and 0.5 mol per cent to 8 mol per cent of a polyfunctional urea compound of the formula $(H_2NCXNH)_nR$ wherein X is a member of the group consisting of oxygen and sulfur, n is an integer greater than 1 and R is a polyvalent hydrocarbon radical containing from 1 to 10 carbon atoms and having a valency equal to n, and subsequently polymerizing the resulting condensation product.

2,572,257

SHEET METAL PANEL

Eugene G. Gerner, Mundelein, and William H. Gerner, Chicago, Ill.

Application August 27, 1946, Serial No. 693,295
15 Claims. (Cl. 160—72)



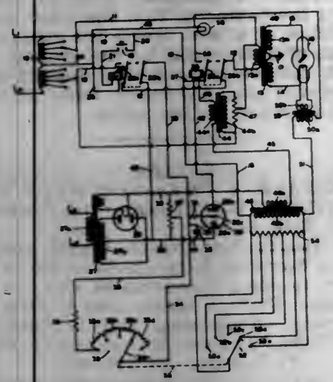
6. In a metal sheet, a plurality of identical slats disposed side by side, each of said slats having alternate projections and notches formed in its longitudinal edges, each of said notches being formed by a pair of lugs, each pair of lugs being disposed between and spaced from successive projections, the projections on each slat respectively fitting into the notches in adjacent slats for locking the slats together.

2,572,258

X-RAY TUBE SAFETY DEVICE

Edwin R. Goldfield, University Heights, and Jack Ball, Cleveland, Ohio, assignors to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 20, 1946, Serial No. 685,095
4 Claims. (Cl. 250—95)



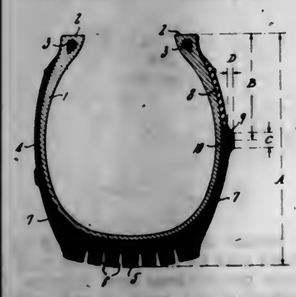
1. In the combination of an X-ray tube having a high tension tube energizing circuit and a filament energizing circuit including a filament transformer having primary and secondary windings, switch means controlling energization of said X-ray tube, a space discharge tube operatively connected with said switch means, said space discharge tube having control electrode means, a variable resistance timing means in circuit with said control electrode means, a control transformer having a primary winding in series circuit with said filament transformer primary winding and having a secondary winding, and said control transformer secondary winding in electrical circuit with said control electrode means and varying the voltage applied to the latter.

2,572,259

WHITE SIDE WALL TIRE

Marcia Gottschall, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application September 14, 1949, Serial No. 115,656
5 Claims. (Cl. 152—353)



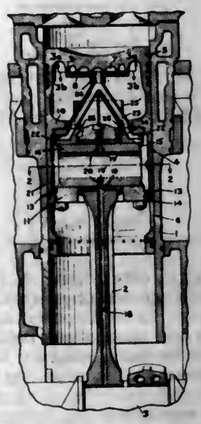
1. A pneumatic tire comprising tread, bead and side wall portions, at least one of said side wall portions being provided with an outwardly projecting rib extending circumferentially around the tire adapted to engage obstacles encountered by said side wall, the surface of said side wall from said rib to the tread being formed of relatively dark material, said side wall having a substantially white zone extending from said rib with the inner circumference thereof terminating adjacent said bead portion, said rib being located in the area of the maximum transverse diameter of the tire with the outer surface thereof constituting the outermost portion of said side wall, said rib having a width of from 5% to 8% and a thickness of at least 2% of the radial distance between the base of said bead portion and the plane of the top of the crown of the tread, whereby forces against said rib resulting from scuffing or lateral engagement with an obstacle cause said white zone to curve or bend inwardly from the obstacle.

2,572,260

PISTON FOR INTERNAL-COMBUSTION ENGINES

Harry Hall, Buffalo, N. Y., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application June 29, 1950, Serial No. 171,027
5 Claims. (Cl. 123—41.38)



4. In a piston for internal combustion engines, a piston shell having a head formed thereon, an annular flange extending into said shell intermediate its ends, a carrying and attaching block having a wrist pin receiving opening and a connecting rod receiving opening therein, said piston head having a plurality of spiral grooves in its inner surface, a spray plate over said grooves and provided with a plurality of spaced peripheral openings communicating with said grooves, said block provided with oil passageways, and means carried by said block and communicating with said passageways for delivering oil to said spiral grooves whereby oil will be circulated through said grooves and sprayed into the piston shell, and a weir carried by said block and extending upwardly into the piston above the block for maintaining a level of oil in the piston.

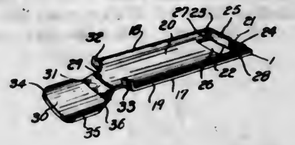
2,572,261

RAZOR BLADE HOLDER

Edwin F. Hardey, Kansas City, Mo.

Application November 12, 1949, Serial No. 126,860
4 Claims. (Cl. 51—218)

1. A device for holding a relatively thin flexible double edge razor blade having tongue-like extensions at opposite ends comprising a blade supporting member having a transversely curving blade supporting surface and a transverse slot-like opening at one end of said blade supporting member adapted to pass the tongue-like extension at one end of the blade, said blade supporting member having a portion extending transversely with said opening and spaced above said curved supporting surface for pressing against the tongue-like extension at that end of



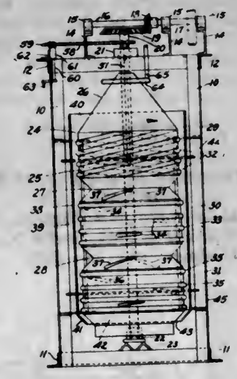
the blade and having a tongue engaging portion at the opposite end of said blade supporting member adapted to be engaged by the other tongue-like extension of the blade when the blade is pivoted into contact with said supporting surface and said other tongue-like extension is pressed against said tongue engaging portion for imparting curvature in the blade to bring the cutting edges at the respective sides of the blade into a substantially common plane.

2,572,262

MACHINE AND METHOD FOR ROUNDING FOOD PRODUCTS

Schuyler M. Hibbard, Macedon, N. Y., assignor to Canning Machinery, Inc., Rochester, N. Y., a corporation of New York

Application October 10, 1946, Serial No. 702,457
4 Claims. (Cl. 146—226)



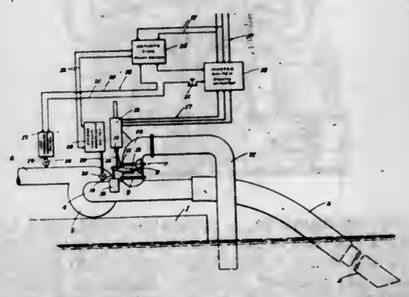
1. A machine for rounding angularly shaped pieces of food comprising a supporting frame, a driving mechanism supported by said frame, a shaft driven by said mechanism, a drum carried by the shaft and rotated by it, said drum having tapered ends and a main body divided into upper, middle and lower portions by indentations to form two parallel grooves having upper and lower walls, a first series of ribs extending spirally around the upper portion, a second and third series of parallel ribs extending around the middle and lower portions respectively, first tapered strips fastened to the middle portion of the drum, second tapered strips on the lower portion of the drum, third strips fastened to the lower wall of the grooves, a cylinder having inclined walls open at both ends surrounding the drum, said drum and cylinder being spaced to form an annular chamber between them, means for supporting said cylinder on said frame, means for adjusting the position of the cylinder to vary the width of the chamber, a coating of abrasive substance on the surface of the drum, ribs, strips and inner surface of the cylinder.

2,572,263

SUCTION DREDGE RELIEF VALVE SYSTEM

David L. Hofer, Berkeley, Calif.

Application May 2, 1949, Serial No. 90,809
14 Claims. (Cl. 103—11)



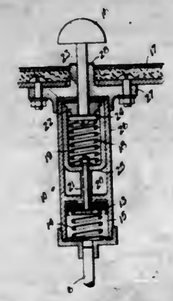
1. In combination, on a dredge, of a pump, a suction pipe leading to the intake of the pump, and a discharge pipe extending from the outlet of the pump; a relief valve system comprising a normally closed safety relief valve unit mounted in communication with the suction pipe above water, a water intake pipe leading from below water adjacent the dredge to said valve unit, and means responsive to excess vacuum in the suction pipe operative to open said valve unit.

2,572,264

WINDSHIELD WASHER

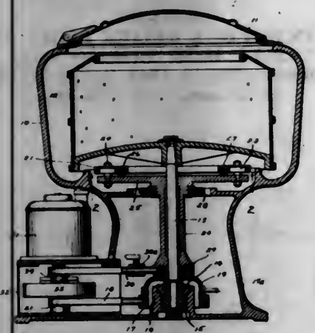
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application January 24, 1948, Serial No. 4,133
1 Claim. (Cl. 299—58)



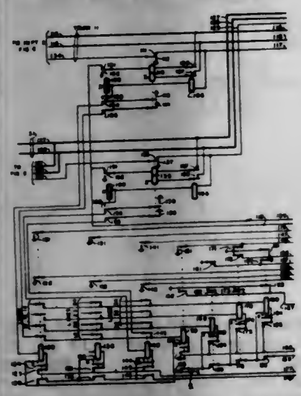
A windshield washer comprising a spray nozzle arranged adjacent a windshield for directing a liquid spray thereonto, pump means connected to the nozzle for supplying the latter with liquid under pressure, said pump means including a liquid displacing member for providing the pressure, a manual actuator for the member, and an energy-storing, pressure-controlling unit interposed between said plunger and said manual actuator for determining the maximum pressure for the liquid to preclude the delivery of an abnormal spray.

2,572,265
BALANCING DEVICE
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio, a corporation of Ohio
Application February 10, 1949, Serial No. 75,535
5 Claims. (Cl. 74—574)



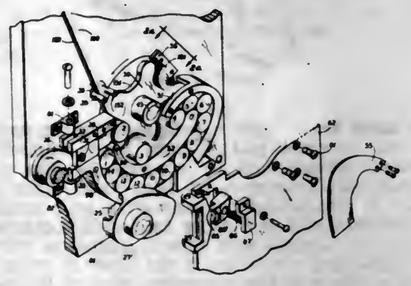
1. In combination, a rotatable body, said body having a portion concentric with the axis of rotation of the body, a rotatable centripetal vibration damper of annular contour disposed generally concentric with said body portion and having free rotational contact with said portion, a driving motor, there being a slip clutch driving connection between said motor and said body portion, and constant ratio driving connection means for transmitting rotational torque from said motor to said vibration damper.

2,572,266
ALL-RELAY TELEPHONE SYSTEM HAVING TWELVE LINES GROUPED IN THREE GROUPS OF FOUR EACH
Roy W. Jones, Rochester, N. Y., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 22, 1947, Serial No. 762,752
10 Claims. (Cl. 179—18)



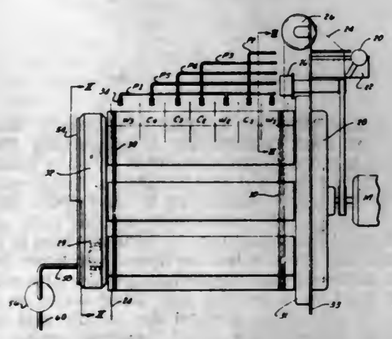
1. In a telephone system, a plurality of lines, said lines divided into a plurality of groups, each of said groups comprising at least four of said lines, each line having a units designation number, an all relay switch for connecting with said lines, said switch having a single odd unit relay for connecting with all of said lines in all of said line groups having an odd units designation number and a single even unit relay for connecting with all of said lines in all of said line groups having an even units designation number.

2,572,267
APPARATUS FOR SHAPING MATERIALS
John J. Kowalewski, Bronx, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application May 19, 1949, Serial No. 94,204
7 Claims. (Cl. 153—68)



1. Apparatus for shaping elongated work pieces such as strip brush units into strips of serpentine form having a succession of reverse bends, comprising means having a surface contour including reentrant portions, elements conformal with predetermined parts of said reentrant portions, means for inserting said elements into conformal relation with the reentrant portions of said contoured means, means for moving the contoured means in timed relation with the means for inserting the elements into the reentrant portions, means for guiding a work piece in between the elements and the surface of the contoured means, means for removing the elements from the reentrant portions after the shaping of the work piece, and means for removing the formed work piece from the surface of the contoured means.

2,572,268
APPARATUS FOR MANUFACTURE OF THREAD
Harry Asdour Kuljian, Merion, Pa.
Application October 1, 1947, Serial No. 777,137
2 Claims. (Cl. 68—202)



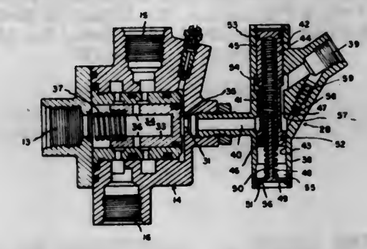
1. Apparatus for treating a filament including an elongated roll over which said filament is wound, said roll having a hollow interior and radial holes leading from its surface to its interior, said holes being arranged spirally of the major axis of said roll, a tube disposed in the interior of said roll and having a slot therein, means for rotating said roll to bring said holes successively into registration with said slot, and means for applying suction to said tube.

2,572,269
METHOD OF MAKING MATRICES FOR SIMULATED LOG STRUCTURES
Wellington W. Maier, Mio, Mich.
Application September 5, 1946, Serial No. 694,861
2 Claims. (Cl. 29—148)



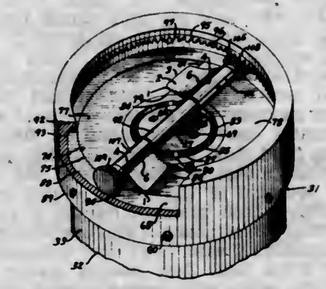
1. A method of making matrices for simulated log structures comprising bending a flat sheet of deformable material having a plurality of perforations distributed over substantially its entire surface along spaced, relatively parallel lines until it assumes, in edgewise elevation, a generally elongated, rectangular shape having alternate, relatively wide and relatively narrow sides and having the side marginal edges thereof disposed substantially medianly of one of said relatively narrow sides, and then fastening the relatively narrow, alternate sides to a support with the relatively wide sides arched away from the support so that said relatively wide sides simulate logs and the relatively narrow sides simulate spaces between the logs.

2,572,270
CONTROL MECHANISM FOR FLUID PRESSURE OPERATED SYSTEMS
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application January 2, 1945, Serial No. 571,052
8 Claims. (Cl. 121—38)



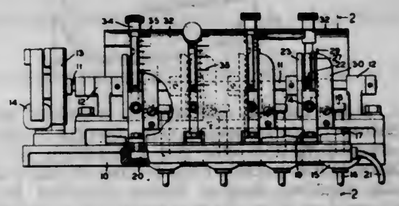
1. Hydraulic operating mechanism comprising a source of fluid under pressure, an actuator operated by fluid under pressure, a power valve between the actuator and source of fluid under pressure, a pressure producing device for operating the power valve to connect the actuator to the source of fluid under pressure, and pressure responsive means between the pressure producing device and power valve for closing communication between said device and valve upon an increase in pressure at the delivery side of the device above a predetermined value.

2,572,271
MOTOR DRIVEN HONING AND STROPPING DEVICE FOR RAZORS
Paul R. McCauley, Kansas City, Mo.
Application July 29, 1948, Serial No. 41,209
3 Claims. (Cl. 51—153)



1. A device for sharpening a razor blade comprising, a housing, a blade sharpening surface on the housing, an arm rotatably supported by the housing and spaced from the sharpening surface for arcuate movement in a plane above and parallel to said surface, means for effecting oscillatory movement of the arm in said plane, a shaft rotatably mounted in said arm and extending over the sharpening surface, a blade holder rotatably mounted on the shaft and frictionally engaging same for supporting a razor blade in alignment with the sharpening surface with the edge of said blade parallel to the arm and spaced therefrom, means for rotating said shaft in response to oscillatory movement of the arm to move a blade on said blade holder and apply pressure thereto forcing the blade into sharpening engagement with the sharpening surface in trailing relation to said arm, fingers on the blade holder, and cam means on the housing adjacent the respective ends of oscillation movement of the arm and engageable by the fingers for lifting the blade from the sharpening surface when the arm approaches the end of each oscillation.

2,572,272
PRESS TIMER
Russell G. McLagan, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio, a corporation of Ohio
Application August 14, 1947, Serial No. 768,670
1 Claim. (Cl. 192—138)



Timing apparatus of the character described comprising a continuously rotatable driving shaft, pilot motor means for rotating the same, a driving clutch member fixed to the shaft to

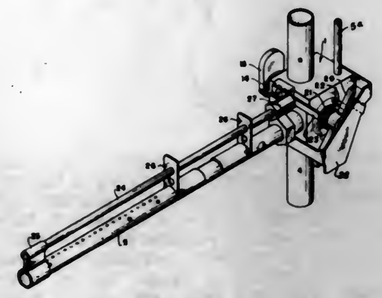
rotate therewith, a co-operating driven clutch member rotatably mounted on the shaft, and also movable axially thereon within limits for movement into and out of coupled relationship with its mated fixed clutch member, helical spring means between said mated clutch members disposed to bias said driven clutch member toward uncoupled relation, a work controlling fluid pressure motor, manually operatable valve mechanism in fluid flow communication with said motor for controlling the flow of pressure thereto for energizing the same, lever means engageable with said movable clutch member to move the same into coupled relationship with its mate, a second fluid pressure motor effective, when energized to operate said lever means, said first and second named fluid motors being respectively successively responsive to said manually operatable valve mechanism, a fixed valve device in fluid flow relationship with said first named fluid motor and located in the path of advance rotation of the driven clutch member, said driven clutch member having a valve operating finger fixed thereon and operatable thereby for contacting said valve and exhausting the pressure from said first named motor to deenergize the same, said second named motor being in fluid flow relationship with said first named motor whereby to be exhausted therewith, coil spring means having one end fixed and the other end connected to said movable clutch member and biased to cause rotation of said movable clutch member in the reverse direction to driven movement thereof whereby, when the mated clutch members are disengaged by exhaust of said second named fluid pressure motor, operation of said helical spring returns said driven clutch member to its initial position ready for another operation, and adjustable stop means in the path of and adapted to intercept said valve operating finger during reverse rotation of said driven clutch member whereby such reverse rotation is adjustably predetermined and limited, to thereby control the arc of driven travel of said driven clutch member during which travel the said first fluid pressure motor is effective.

2,572,273
SHEET METAL GAS BURNER WITH INTERNAL FUEL DISTRIBUTOR
Avy L. Miller, North Hollywood, and Park Woolley, South Pasadena, Calif., assignors to Mission Appliance Corporation, Los Angeles, Calif., a corporation of California
Application December 31, 1946, Serial No. 719,514
3 Claims. (Cl. 158—114)



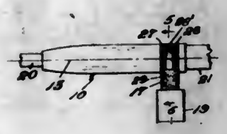
1. A gas burner, comprising: a pair of complementary plate members each having a generally U-shaped flange-bordered depression with one side of the depression bordering an edge of said plate member, and a flange directed laterally from said edge, said plate members adapted to be joined by the borders of their depressions to define a Venturi throat expansion chamber and discharge slot, the latter being between said lateral flanges; a distributor plate overlying said flanges and said discharge slot and having a slit registering with said slot and of varying predetermined width tending to compensate for uneven pressure distribution along said discharge slot; and a burner plate overlying said distributor plate, and having offset portions defining with said distributor plate laterally directed burner ports, said burner plate, distributor plate, and flanges being secured together by means adjacent said burner ports.

2,572,274
COMBINATION MAIN AND PILOT VALVE
Avy L. Miller, North Hollywood, Calif., assignor to Mission Appliance Corporation, Los Angeles, Calif., a corporation of California
Application August 25, 1947, Serial No. 770,487
8 Claims. (Cl. 158—138)



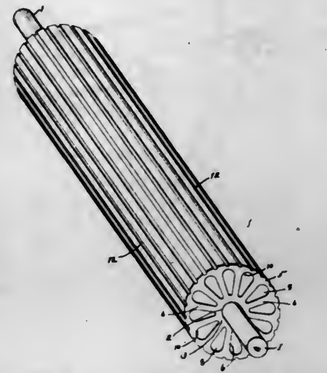
4. A valve structure, comprising: a valve body; an outer valve core journalled in said valve body; an inner valve core journalled in said outer valve core; said valve body and valve cores defining independent main and secondary passageways; a drive connection between said valve cores including spring and stop means tending to position said main and secondary passageways therein in non-registering relation; manual means for placing at least the main passageway of said outer core in registry with the main passageway of said valve body; and thermally controlled means for restraining said drive connection and holding said passageways of said cores in registry.

2,572,275
METHOD OF SURFACE ORNAMENTATION
Ernest Millmather, Jr., Johnston, R. I.
Application February 24, 1950, Serial No. 146,021
3 Claims. (Cl. 41—18)



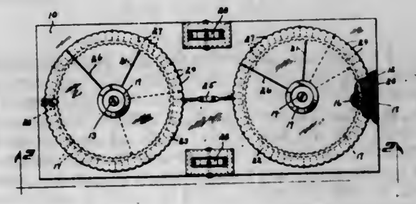
1. The method of ornamentating an article having a cylindrical surface which comprises rotating the said article about its cylindrical axis, using a deformable, hollow, cylindrical abrading tool, holding said tool with its axis at substantially right angles to the axis of rotation of said articles at one side of the axis of said work and with its end engaging the article with sufficient pressure applied toward the article to deform the engaging end of said tool to cause the said end to conform generally to the curvature of the surface of the article during engagement therewith and rotating said tool at a much higher speed than the rotating of said article and at the same time traversing said tool along said article.

2,572,276
RESILIENT ROLLER
J. Edgar Moe, Danielson, Conn., assignor to The Bullard Clark Company, Danielson, Conn., a corporation of Connecticut
Application April 15, 1949, Serial No. 87,690
1 Claim. (Cl. 152—7)



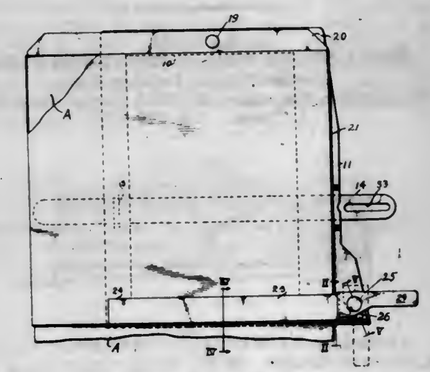
A resilient cylindrical hollow roller for use on lawnmowers or the like, having an outer fluted wall, and a reinforced support for the outer wall, comprising an extruded mass of resilient material formed with a central hub and a longitudinal opening therethru of slightly less diameter than that of an axle to be fitted therein to hold said axle with inherently gripping contraction, a plurality of radially extending resilient ribs integral with said hub and said outer wall of the roller, said ribs extending from the hub to the inner part of said outer wall, each rib having enlarged ends at its juncture with said outer wall, said ribs being formed with interspaced openings therebetween in pear-shaped form, whereby a resilient construction between said central hub and the outer wall of the roller is provided with substantially continuous support for the outer wall by the enlarged rib ends.

2,572,277
CRIBBAGE SCOREBOARD
Louis Grant Peterson, Des Moines, Iowa
Application March 9, 1949, Serial No. 80,448
1 Claim. (Cl. 235—114)



A cribbage score board consisting entirely of; a base having two spaced apart wells, two discs one rotatably mounted in each of said wells, a plurality of evenly spaced indicia marks on said base and surrounding the peripheries of said wells, two transparent discs one concentrically and independently with respect to said first two discs rotatably mounted over each of said wells; four fixed indicators one on each of said discs, a means for independently rotating said first mentioned discs extending above said transparent discs, and means for selectively and yieldingly holding each of said discs with its respective fixed indicator in alignment with one of said indicia marks; whereby cribbage may be scored by alternately moving the discs of the two associated with each well to indicate the score achieved by one player at succeeding hands in a game of cribbage.

2,572,278
CARBON PACK HOLDER FOR MANIFOLD TYPEWRITERS
Laurence A. Petit, Chicago, Ill.
Application March 29, 1947, Serial No. 738,148
13 Claims. (Cl. 197—126)

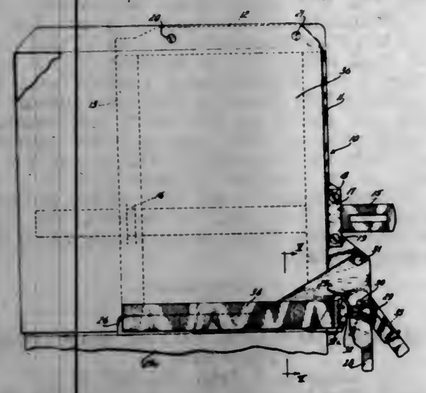


1. A carbon pack holder adapted for mounting in a manifold machine comprising a rigid frame, a supporting arm adjustably connected to said frame for attachment to a portion of the manifold machine for supporting said frame between adjacent work sheets, means on the frame for cooperation with a carbon pack for retaining the same on said frame, a yieldably mounted bar on said frame for yieldably pressing one edge portion of the carbon pack against said frame, and manually operable means for applying pressure to said bar for retaining the pack upon the frame.

2,572,279
CARBON PACK HOLDER FOR MANIFOLD TYPEWRITERS
Laurence A. Petit, Chicago, Ill.
Application February 14, 1949, Serial No. 76,383
15 Claims. (Cl. 197—126)

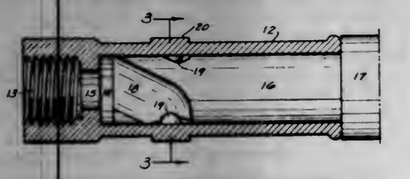
1. A carbon pack holder for mounting in a manifold machine comprising a rigid frame having a flanged edge over which a free end of a carbon pack held in said holder is adapted to extend, a transversely extending member for yieldably clamping the free end of the carbon pack against said flanged edge and having a lever arm pivotally mounted on said frame for movement of said transversely extending member toward said flanged edge, and manually releas-

able means cooperating with said lever arm for adjustably locking said transversely extending



member in clamping relationship with said flanged edge.

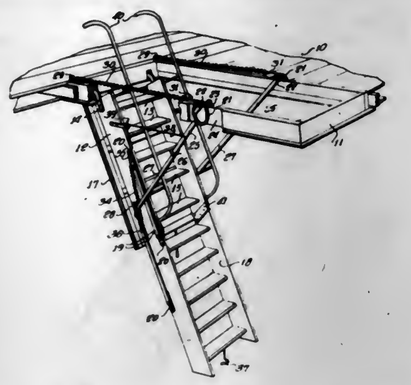
2,572,280
DRILL STOCK POWER DRIVE COUPLING
Orville Phipps, Denver, Colo.
Application November 26, 1946, Serial No. 712,459
1 Claim. (Cl. 279—75)



A coupling for driving interconnection between a power-rotatable, axially-translatable stem and a rotatably-effective tool, comprising a cylindrical member, means on one end of said member engageable with an end of said stem to mount the member as an axial extension of and for rotation and translation with said stem, a relatively-deep, cylindrical socket axially of said member and opening through the other end thereof, a cylindrical shank telescopically receivable within said socket fixed to the attachment end of said tool as an axial extension thereof, said shank and socket walls interfitting for alignment and guided support of said tool, an annular boss surrounding the shank base to define a thrust-transmitting shoulder engageable by the socket member annular end, spaced, diametrically-opposed studs radially interrupting said socket toward the inner end thereof, and a skewed web diametrically outstanding axially from and terminating said shank within said socket for non-gripping engagement against said studs as an incident of member rotation to rotatively lock said shank to said member and to urge said shank inwardly of its socket.

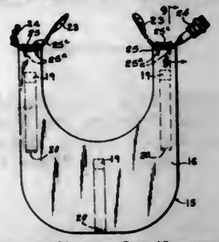
2,572,281
FOLDING STAIRS
Ernest E. Pierce, Dallas, Tex.
Application July 15, 1949, Serial No. 104,840
5 Claims. (Cl. 228—50)

1. A folding stairway comprising a horizontal frame, a main stair section pivoted at one end to an end of said frame and adapted to be disposed inoperatively within the confines of said frame, a sub-stair section, a pair of parallel arms on each side of said stair sections for pivotally supporting said sub-stair section on said main stair section, a toggle on each side of said frame, each comprising a link pivoted at one end to one side of said main stair section, and an arm pivoted at one end to the opposite end of said link, an eccentric pulley mounted on each side of said frame, to the shaft of which the opposite end of said latter arm is affixed to move therewith, a primary counter-



balancing spring on each side of said frame, said springs having their ends attached to the peripheries of said pulleys and their opposite ends to an end of said frame to exert a lifting force on said stair sections through said eccentric pulleys and said toggle, a pair of secondary counterbalancing springs having their upper ends connected to the sides of said main stair sections and their lower ends to one of said parallel arms and effective to exert a lifting force on said sub-stair section and flexible means for stabilizing said toggle in extended position of said stair sections.

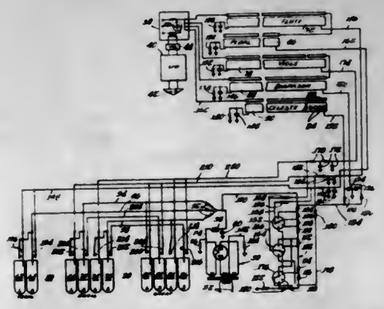
2,572,282
COLLAPSIBLE FEEDING TRAY ATTACHMENT FOR CHAIRS
John J. Scanlon, Bronx, N. Y.
Application January 8, 1949, Serial No. 69,857
4 Claims. (Cl. 155—188)



1. A furniture appliance for the purpose stated, comprising a tray, a plurality of legs each of substantially rectilinear extension from end to end, and means for hingedly connecting one end of each leg to the under side of the tray for permitting swinging movement of any leg relative to the tray and independent of such a movement of any other leg, said hinging means being so arranged relative to each other and to the said legs and to the tray that said legs when erected similarly angularly project from the under side of the tray and said legs when swung away from

such projection may be laid substantially flat against the bottom of the tray, said tray being of substantially U-shaped outline, releasable latching devices for maintaining said legs projected from the tray, each such latching device including snap fastener means incorporating post and receptor elements and partially carried by the adjacent leg and partially carried by the tray, each latching device also including manually operable releasing means incorporating an accessible finger-piece manipulable to disconnect said post and receptor, and a plurality of flexible securing means attached to the tray for engagement about the vertical risers of an adult chair, one of said securing means being thus attached adjacent to the free end of one of the legs of said U and the other of said securing means being thus attached adjacent to the free end of the other of the legs of said U, each of said U-leg ends being concavely curved at the place of attachment thereto of one of said securing means.

2,572,283
ORGAN INTENSITY CONTROL
Francis M. Schmidt, North Tonawanda, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application January 8, 1948, Serial No. 1,112
15 Claims. (Cl. 84—1.27)

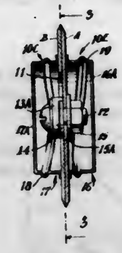


1. An electronic musical instrument comprising a sound producing system having a plurality of tone generators, a tone outlet, and means for selectively controlling the tonal volume of said generators comprising means continuously interconnected with said system to effect the operation thereof at one predetermined volume, means adapted for interconnection with said system to effect the operation thereof at a predetermined different volume, a pair of manual control members, and a pair of complemental control switches connected respectively with said manual control members for controlling the selective connection of said latter means to the system for effective operation.

2,572,284
PARA-AMINO, GAMMA RESORCYLIC ACID AND SALTS, AND PROCESS FOR MANUFACTURE
Karl Schoen, Kew Gardens, N. Y., assignor to Endo Products, Inc., Richmond Hill, N. Y., a corporation of New York
No Drawing. Application October 21, 1949, Serial No. 122,867
7 Claims. (Cl. 260—519)

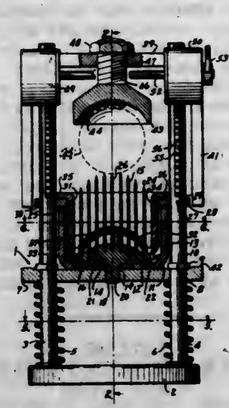
1. Compounds of the group consisting of 2,6-dihydroxy-4-amino benzoic acid and the alkali metal salts of said acid.

2,572,285
LIMB CONNECTION FOR DISPLAY FIGURES
Fred Schumacher and Frank Ruppe, Brooklyn, N. Y.
Application February 14, 1946, Serial No. 647,492
7 Claims. (Cl. 287—101)



1. In a limb connection for display figures, the combination with a plate, said plate comprising means adapted to interengage with means of a cooperating plate to detachably connect said plates together, of a substantially cylindrical housing connected to said plate, said housing comprising a ridge portion extending sinuously therearound.

2,572,286
FRUIT JUICER
Oscar J. Smith, Tulsa, Okla.
Application March 10, 1947, Serial No. 733,518
10 Claims. (Cl. 100—50)



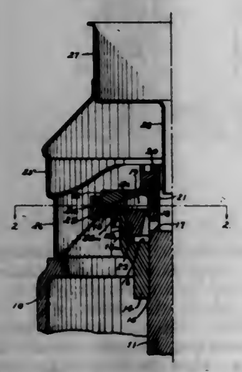
1. A fruit juicer comprising, a plurality of substantially triangular shaped fruit piercing spears each having a channel in one side thereof, a plate for moving the fruit toward the spears for impaling said fruit on the spears whereby the spears extend substantially through the fruit to be juiced, means for squeezing the fruit while on the spears whereby the channels in the spears form passages for flow of juice from the fruit, and a bar positioned laterally of said spears and plate and movable with said plate for progressively moving the spears substantially from the fruit as said fruit is being squeezed.

2,572,287

METHOD AND APPARATUS FOR TREATING MIXTURES TO MAKE OR BREAK EMULSIONS

George J. Strezynski, Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application August 28, 1946, Serial No. 693,537
10 Claims. (Cl. 259—96)



1. A method for reconstituting milk or cream from butterfat, milk powder and water, which comprises heating and mixing the butterfat, milk powder and water, feeding the heated mixture to a locus of centrifugal force, in periodic sequence accumulating a body of the mixture in the peripheral portion of the locus to increase the mixture pressure therein due to centrifugal force, discharging the mixture by centrifugal force in a closely confined stream from the peripheral portion of the locus at a relatively high rate in excess of said feed, to decrease the mixture pressure in the locus due to centrifugal force, and cutting down the discharge rate from the locus to less than said feed rate to thereby accumulate another body of mixture in the peripheral portion thereof, and controlling the variations in the discharge rate by said changes in the centrifugal pressure of the mixture in the locus, said discharge at a relatively high rate and said cutting down of the discharge rate being repeated alternately to effect a rapid vibrating action on the mixture.

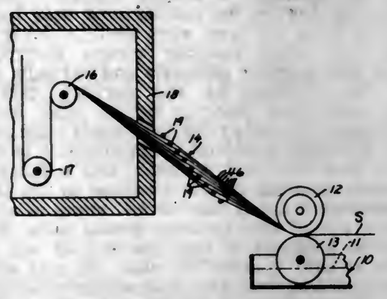
2,572,288

APPARATUS FOR SIZING AND DRYING WARP YARN

Robert J. Taylor and John F. Davenport, Birmingham, Ala., assignors to McConnell Sales and Engineering Corporation, a corporation of Alabama

Application November 20, 1947, Serial No. 787,208
4 Claims. (Cl. 28—28)

2. In apparatus for treating a moving sheet of warp yarn embodying a size box and means to dry the yarn after it passes through the size box, a plurality of spaced apart rods individually connected to the driving means through a separable coupling with their longitudinal axes lying in a common plane and disposed between the size box and drying means, said sheet being divided by said rods into a plurality of sheds, adjacent ones of said rods being arranged to contact opposite surfaces of adjacent sheds, and positive drive means to rotate the rods at a peripheral



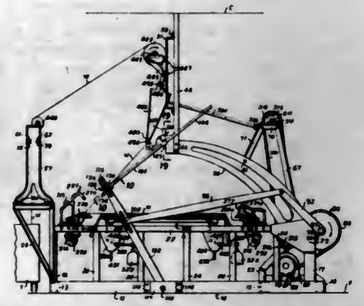
speed different from the lineal speed of said sheds.

2,572,289

APPARATUS FOR FOLDING CLOTH IN PREDETERMINED LENGTHS

Grover C. Truslow, Charlotte, and John T. MacIsaac, Jr., Spray, N. C., assignors to Marshall Field and Company, Chicago, Ill., a corporation of Illinois

Application June 22, 1949, Serial No. 100,564
20 Claims. (Cl. 270—79)



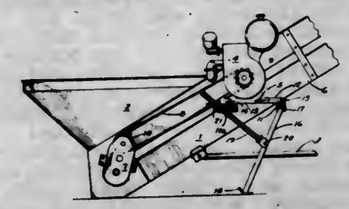
1. A web folding machine comprising a pivoted reciprocating guiding and folding bar, a vertically movable table disposed below the path of travel of the reciprocating bar and the opposed ends of the table terminating a substantial distance short of the extreme ends of the stroke of the reciprocating bar, gripper devices disposed in spaced relation to the said opposed ends of the table and means for admitting cloth and the like to the reciprocating bar, said gripper devices comprising a fixed lower jaw and an upper movable jaw, means on the reciprocating bar for inserting a folded end of the web between the upper and lower jaws of the gripper devices alternately, means for latching the upper jaw in elevated position, means carried by the reciprocating bar for unlatching the upper jaw to allow it to move by gravity into engagement with the lower jaw of a particular gripper device upon a folded end of cloth being moved therebetween by the reciprocating bar and means on the gripper devices for automatically moving the upper jaw out of engagement with the lower jaw upon the reciprocating bar inserting a folded end of cloth in the other of the gripper devices whereby the cloth may be folded in successive folds across the table between the gripper devices, means operable automatically for wiping the folded end of the cloth from an adjacent set of gripper jaws after the movable jaw has moved out of engagement with the fixed jaw, and means operable automatically for lowering the table while folds of cloth are being deposited thereon.

2,572,290

ADJUSTABLE MOTOR SUPPORTING MEANS FOR AGRICULTURAL ELEVATORS

Wilhelm Vutz, Coldwater, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware

Application December 8, 1949, Serial No. 131,728
4 Claims. (Cl. 198—203)



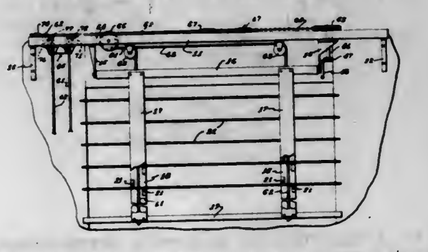
2. In an agricultural elevator having a conveyor chute, motor supporting means rigidly secured to and laterally extending from the conveyor chute, motor mounting means adjustably secured to said laterally extending means, a ground supporting leg pivotally secured to an extending portion of said laterally extending means, an adjustable brace pivotally secured to said supporting leg at a point remote from its pivotal attachment to said laterally extending means, and means for releasably securing said brace to a portion of said laterally extending means spaced from the point of pivotal attachment of said supporting leg.

2,572,291

VENETIAN BLIND

Robert B. Weaver, Los Angeles, Calif.

Application March 17, 1947, Serial No. 735,165
4 Claims. (Cl. 160—168)



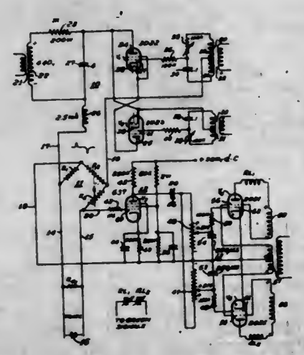
1. A Venetian blind comprising a supporting head bar, a cross bar mounted below said head bar for tilting movement about a horizontal axis, a plurality of parallel slats positioned below said cross bar, tapes depending from opposite sides of said cross bar supporting said slats in spaced relationship for conjoint tilting movement with said cross bar, a pair of cords attached to the lowermost slat at spaced points extended upwardly through said slats, said cross bar, and said head bar, each of said pair of cords encircling a traveling pulley and extended downwardly through said head bar, a fixed axis pulley on said head bar, a chain encircling said fixed axis pulley and connected to said traveling pulleys adapted to rotate said fixed axis pulley upon being itself displaced by the relative movement of said traveling pulleys, a power transmission between said fixed axis pulley and said cross bar to turn said cross bar about said horizontal axis to effect a tilting movement of said bar and of said slats connected thereto, characterized in that the resistance to turning of said pulley with a fixed axis including its connected load is sufficiently reduced that a pull upon one only of said pair of cords displaces the connected traveling pulley and connected chain to effect the rotation of said pulley.

2,572,292

PROTECTIVE SYSTEM

Hubert H. Wittenberg, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware

Application May 3, 1946, Serial No. 666,977
2 Claims. (Cl. 175—294)



1. The combination of a pair of conductors interconnected through a leakage impedance having a normal range of variation, a bridge circuit having a pair of input and a pair of output terminals respectively across different diagonals of the bridge and having one of its arms connected to said conductors at one of their ends, means for applying an alternating potential to said input terminals, means connected between said conductors at the other of their ends for presenting a relatively low impedance to potential of one polarity and a relatively high impedance to potential of the opposite polarity, means for deriving from said output terminals a control potential which increases in one polarity sense in one condition of input polarity when said leakage impedance decreases below the lower limit of its normal range of variation, and which increases in the same said polarity sense in another condition of input polarity when said impedance exceeds the upper limit of its normal range, due to the bridge reversing polarity characteristic for these different conditions, and means responsive to said control potentials when and only when said control potential increases in said one polarity sense beyond predetermined values.

2,572,293

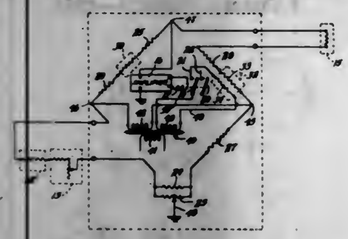
TEMPERATURE CONTROL APPARATUS

John M. Wilson, Minneapolis, Stanley W. Nickells, St. Louis Park, and Myron R. Smith, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

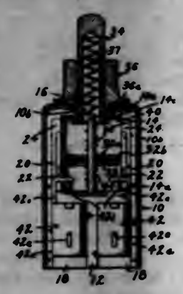
Application February 6, 1948, Serial No. 6,754
9 Claims. (Cl. 236—91)

1. In combination, in a temperature regulating apparatus, a first temperature responsive

resistance element located in an area whose temperature is being regulated, an electrical component housing having input and output terminals, and an enclosure therein sealed from drafts, said enclosure being heated by the dissipation of heat from the components in said housing, a pair of said input terminals adapted for connection to a source of power, a second temperature responsive resistance element located within said enclosure of said housing, a resistance heating means exposed in heat exchange relationship to said second resistance element adapted to heat said element when heat is supplied to the space whose temperature is being regulated, an electrical network including said first and second temperature responsive resistance elements, said network becoming unbalanced when said first temperature responsive resistance element indicates a need for heat or the temperature of said second resistance element drops below a predetermined value, means sensitive to the unbalance of said network for initiating operation of heating means connected to said output terminals and for energizing said resistance heating means, a third temperature responsive resistance element, said third resistance element being located in said enclosure of said housing and sensitive to the ambient temperature of said enclosure, and means connecting said resistance element in said network in counterbalancing relation to said second element to prevent the ambient temperature affecting said second resistance element from unbalancing said network.

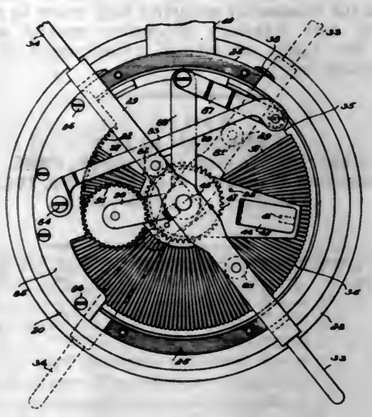


2,572,294
PLUNGER TYPE SWITCH
Charles A. Woodcock, Sherman E. Womack, and John W. Hobbs, Springfield, Ill., assignors to John W. Hobbs Corporation, Springfield, Ill., a corporation of Delaware
Application February 17, 1947, Serial No. 729,176
3 Claims. (Cl. 200—159)



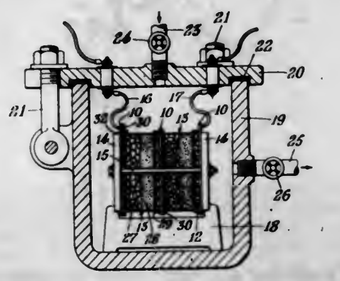
3. A plunger type switch comprising a generally cylindrical insulating body formed of two identical half portions joinable on a diametral plane, a casing surrounding said body and securing said half portions in assembled relation with respect to each other, said insulating body having an inner wall defining an interior cavity opening in one face of the body and terminating in an end wall interiorly of the body, and a plurality of parallel spaced axially extending recesses separated from said cavity by said end wall and opening to the opposite end face of said body, registering axially extending slots formed in the abutting faces of said half portions and forming passageways from said recesses to said cavity, metallic terminal members having hollow cylindrical body portions disposed in said recesses and having integral axially extending arm portions extending through said passageways formed by said registering slots and along said cavity, said hollow body portions detachably receiving wire end terminals inserted therein, said arm portions each having radially inwardly extending end contact portions disposed in said cavity in spaced opposed relationship, a plunger axially reciprocable in said cavity, a conducting disk disposed in said cavity and operably connected to said plunger and movable thereby into bridging relation across said end portions, and resilient means urging said plunger outwardly with respect to said cavity.

2,572,295
CONTROLLER FOR ELECTRIC SYSTEMS
Eugene R. Ziegler, Spencerport, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Application March 20, 1947, Serial No. 736,031
13 Claims. (Cl. 200—17)



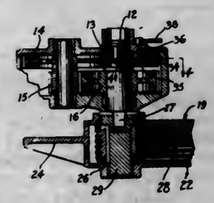
13. A controller for an electric circuit comprising an arcuate contact means, a spindle mounted normally to the plane of said contact means for oscillation concentrically therewith, a contact mounted to rotate on said spindle for progressive engagement with said contact means, a control lever fixed intermediate its ends on said spindle, a part pivoted at one end at a point spaced from said spindle for movement laterally relative thereto, a stationary rack, planetary gearing having a gear mounted for rotation on said spindle and fixed to said contact, and a planet gear meshing with said rack, a linkage for rotating said planet gear connected with said part, and an abutment on said control lever on each side of said spindle for engaging said part, said abutments being located at different distances from the pivot of said part, the abutment at the greater distance from the pivot of said part being spaced at a greater distance from said spindle than the other of said abutments, for moving said part and rotating said contact the same distance in the same direction during oscillation of said control lever in oppositte directions.

2,572,296
PRIMARY CELL AND BATTERY AND METHOD OF MAKING SAME
Herman M. Zimmerman, Cleveland, and Nelson C. Cahoon, Lakewood, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 7, 1948, Serial No. 53,174
14 Claims. (Cl. 136—86)



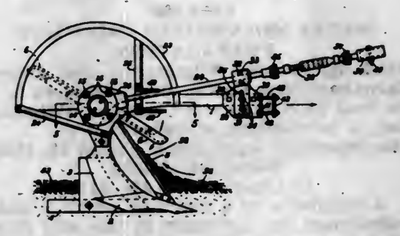
1. A primary galvanic cell comprising an anode and a composite cathode presenting two porous cathode portions of different porosity, the portion of greater porosity being bonded to a conductive element for drawing current from the cell, the bonded faces of said conductive element and said cathode portion being substantially coextensive, the bond being electrically conductive and nonporous.

2,572,297
CHAIN-DRIVEN WRENCH
Edward T. Able and Willard Krieger, Denver, Colo., assignors to B. K. Sweeney Manufacturing Company, Denver, Colo., a corporation of Colorado
Application May 3, 1948, Serial No. 24,814
5 Claims. (Cl. 81—57)



1. A wrench comprising a frame, an input shaft and an output shaft rotatably mounted in the frame, means drivingly connecting said shafts, means for rotating the input shaft, a gear on the input shaft, a socket operatively connected to the output shaft, and backlash controlling means independent of the means drivingly connecting said input and output shafts, and operable independently of the means for rotating the input shaft, said backlash controlling means comprising a spindle parallel to the input shaft, a ratchet fixed on said spindle for operative engagement with said gear on the input shaft, means restraining the rotation of the ratchet, and manually operable means for rotating said spindle and ratchet in either direction.

2,572,298
PLOW WITH ROTARY STALK CUTTER
Guillermo Diaz Alvarez, Habana, Cuba
Application August 16, 1948, Serial No. 44,573
In Cuba July 23, 1948
3 Claims. (Cl. 97—35)



1. In a cultivator plow, a plow beam, a plow share attached to said beam, a straight stationary cutter attached at an angle to said plow share adjacent the forward end thereof and to said plow beam at the plow throat, said stationary cutter being inclined upwardly and backwardly from said plow share, a shaft rotatably journalled on said plow beam in proximity to the throat thereof, a plurality of cutting blades constituting a rotary cutter secured to said shaft, said blades being dimensioned to extend approximately to the middle of said stationary cutter and remote from ground to be plowed, means for rotating said rotary cutter, said blades coacting with said stationary cutter in the upper portion thereof, said stationary cutter in the lower portion thereof constituting an inclined plane to raise litter from the ground and bring it to a point thereon where said blades of said rotary cutter, by coaction with said stationary cutter, will cut the litter.

2,572,299
FLOAT-IN OR CHECK VALVE
John Antolch, Los Angeles, Calif., assignor of one-fourth to Samuel R. Chorneau, Puente, Calif.
Application September 14, 1948, Serial No. 49,225
4 Claims. (Cl. 251—123)



1. A float-in, reverse flow check valve including a collar having its bottom edge provided with an annular series of horizontal bearings, an annular set of curved blades arranged to constitute in their open position a continuation of the bore of the collar and whose upper ends are pivoted in said bearings, means on the blades whereby they are connected in circular train for concur-

rent opening or closing movement as to the bore of the collar, and spring detents mounted in the collar and engaging and tending to automatically contract the blades to shut off reverse flow into the bore of the collar.

2,572,300
METAL MOLYBDITES AND THEIR PREPARATION
Herrick R. Arnold, Wilmington, and James E. Carnahan, New Castle, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 23, 1949, Serial No. 111,982
11 Claims. (Cl. 23—51)

1. A molybdite of a metal in which a metal Y is substituted for hydrogen in the acid formula H_2MoO_n wherein n is a whole number selected from the group consisting of 2 and 3, the ions of said metal Y forming by reaction with aqueous ammonia a compound selected from the group consisting of oxides and hydroxides which are soluble in the presence of excess aqueous ammonia, and oxides and hydroxides which are soluble in water.

2,572,301
PREVENTION OF CORROSION IN PROCESS OF EXTRACTING MERCAPTANS
Ronald A. Baker, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y.; a corporation of New York
No Drawing. Continuation of application Serial No. 541,857, June 22, 1944. This application May 27, 1947, Serial No. 750,896
1 Claim. (Cl. 252—192)

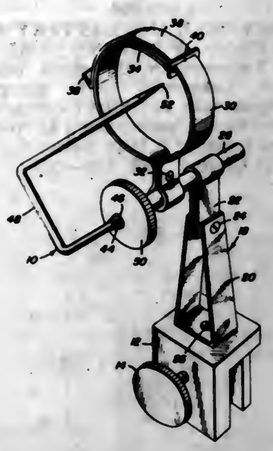
In a process of regenerating a strong aqueous solution of caustic alkali containing dissolved petroleum mercaptans, which process includes application of heat in the presence of steel surfaces to volatilize said mercaptans, the method of inhibiting corrosion of said steel surfaces which comprises, maintaining in said solution a small quantity, from 0.1% to 1.0% by weight, of alkali-metal phosphate.

2,572,302
PRODUCTION OF ARYLHALOSILANES
Arthur J. Barry, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application October 16, 1948, Serial No. 55,023. In Great Britain December 4, 1947
7 Claims. (Cl. 260—448.2)

1. A process which comprises reacting a benzenoid hydrocarbon free of aliphatic unsaturation in any side chains with an organodichloromonohydrosilane, of the general formula $RHSiCl_2$ in which R represents a monovalent hydrocarbon radical free of aliphatic unsaturation, in the presence of a boron halide at a temperature above 150° C., at least a portion of the reaction mixture being in condensed phase, whereby to produce an organodichlorosilyl derivative of the benzenoid hydrocarbon.

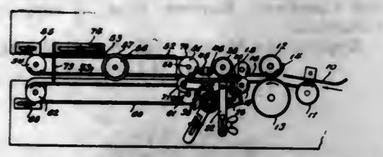
2,572,303
IGNITION TESTING DEVICE
Abel J. Beebie, Plattsburg, N. Y.
Application January 4, 1950, Serial No. 136,720
3 Claims. (Cl. 175—183)

1. In an ignition testing device, the combination of a bifurcated base provided in one furcation thereof with a clamping screw for securing the same to a cap-less distributor housing, an adjustable bracket provided on and extending upwardly from said base, a tubular holder mounted on said bracket and having frictional gripping means at one end thereof, a resilient annular



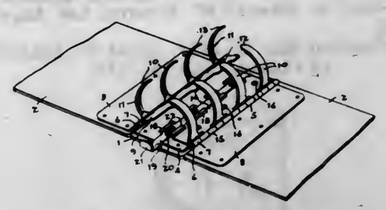
clamp provided on said holder to receive a distributor cap, and a substantially U-shaped electrode having one end portion thereof adjustably positioned in said holder and locked therein by said gripping means, the other end portion of said electrode extending through said clamp.

2,572,304
CHECK FEEDING APPARATUS
Millard L. Beyer, Hempstead, N. Y., assignor to The International Postal Supply Company, Brooklyn, N. Y., a corporation of New York
Application September 25, 1946, Serial No. 699,333
7 Claims. (Cl. 271—10)



1. Apparatus for conveying bank checks and the like to a photographic recording instrument which comprises a first conveyor including a guideway, means at the entrance of the conveyor including a pair of cooperating rollers constantly driven in the same direction about respective vertical axes for extracting checks automatically one at a time from a bunch of manually held checks and propelling them endwise across a vertical plane into the guideway, means comprising cooperating rollers intermittently actuated by the respective checks for propelling the checks along the guideway in spaced relation, stop means disposed in spaced relation with the end of the guideway for arresting the movement of the checks, constantly driven belt means forming an open bottomed trough disposed beyond the guideway in approximate co-alignment therewith into which the respective checks drop one by one in an edgewise direction, on being arrested by the stop means, a further conveyor disposed below the trough for transporting the respective checks downward into the input of a photographic recording instrument comprising a constantly driven belt disposed to run in a vertical direction with its downward moving surface substantially in register with the open bottom of the trough, and means pressing against the belt for maintaining the respective checks in spaced relation thereon.

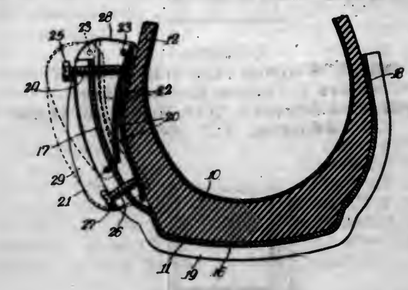
2,572,305
LOOSE-LEAF BINDER
Ernest J. Bloore, Brampton, Ontario, Canada
Application June 30, 1947, Serial No. 758,001
3 Claims. (Cl. 129—24)



1. In a loose-leaf binder, an elongated backing provided adjacent the longitudinal edges with spaced axially aligned hinge knuckles, a pair of sheet metal plates disposed in opposing relation on and extending lengthwise of said backing, each of said plates having a plurality of integral hooks extending upwardly from adjacent the outer longitudinal edge and curving inwardly towards the centre of said backing, the metal adjacent the longitudinal edges of said hooks being turned inwardly to maintain the curvature of said hooks, the hooks on one of said plates being disposed to co-operate with the hooks on the opposing plate to form loose-leaf retaining rings with said plates contiguous with said backing, each of said plates having on each side of said integral hooks integral extensions projecting outwardly beyond said hooks and rolled into axially aligned hinge knuckles inter-leaving and aligning with said spaced axially aligned hinge knuckles at the adjacent edge of said backing, hinge pins extending through the aligned knuckles of said plates and said adjacent backing edges hinging said plates to swing between a position contiguous said backing to close the rings formed by said hooks and a position opening said hooks, said pins bridging said plate knuckles across and outwardly of said hooks rigidly bracing said plates and hooks against deformation under pressure on said hooks, and means for locking said plates against said backing with the hooks in co-operative ring-forming relation.

2,572,306
TRACTION SUPPLY DEVICE
Lee Brewton, Melrose Park, Ill., assignor to Federated Machine Products Inc., Chicago, Ill., a corporation of Illinois
Application October 30, 1947, Serial No. 783,095
5 Claims. (Cl. 152—225)

3. A traction supply device for attachment to a vehicle tire comprising a U-shaped frame providing arms of substantially uniform length for straddling the opposite side wall portions of a tire and a connecting portion between the inner ends of said arms having an inwardly facing surface engageable with the tread portion of the tire between said side wall portions, means for fastening the frame to the tire including a lever supported inwardly of one of said arms for swinging movement between said latter arm and the side wall portion of the tire opposite thereto and a pressure plate supported on said lever



for relative swinging movement between said lever and the side wall portion of the tire opposite thereto.

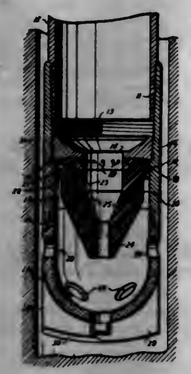
2,572,307
ROTARY DRILL STABILIZER
Cicero C. Brown and Fred F. Waltermire, Houston, Tex.
Application September 9, 1946, Serial No. 695,638
2 Claims. (Cl. 255—28)



1. A drill collar stabilizer comprising, a tubular body member adapted to be inserted in a drill string adjacent a drill collar, said body member having a portion of reduced diameter intermediate its ends to form an upper stop member on said body member, a tubular sub connected to the lower end of said body forming a lower stop member, a tubular sleeve member rotatably mounted on said portion of reduced diameter and slidable thereon between said stop members, cooperating clutch means arranged between the lower end of said sleeve member and the lower one of said stop members engageable only upon upward movement of said tubular body relative to said sleeve member to effect clutching engagement thereof, a plurality of angularly spaced vertically extending ribs on the exterior of said sleeve member, the external diameter of said sleeve member including said ribs being greater than that of said drill collar, said tubular sleeve member including said ribs comprising a generally tubular body constructed of resilient rubber-like material mounted upon a tubular metallic core, the ends of which extend beyond the ends of said body of resilient material, laterally extending flanges on the opposite ends of said core, the upper one of said flanges cooperating with the upper one of said

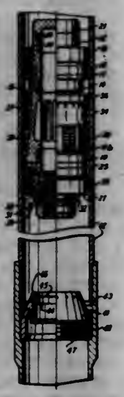
stop members for effecting jarring impacts therebetween, and the lower one of said flanges carrying one of said clutch members.

2,572,308
ORIFICE SHOE FOR WELL PIPES
Cicero C. Brown, Houston, Tex.
Application August 9, 1948, Serial No. 43,296
6 Claims. (Cl. 166—1)



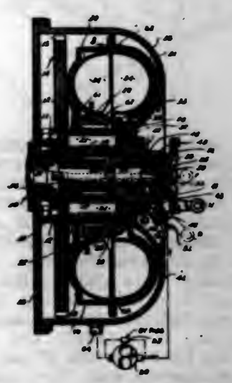
1. A shoe for well pipes, comprising, a generally tubular body adapted to be connected at one end to a well pipe, a generally conical hollow nozzle member constructed of flexible resilient material axially disposed in said body with its apex directed toward the opposite end thereof and having the periphery of its base portion in sealing engagement with the wall of said body, and an axial orifice of restricted area through the apex of said nozzle member.

2,572,309
CEMENTING PLUG
Cicero C. Brown, Houston, Tex.
Application August 9, 1948, Serial No. 43,297
8 Claims. (Cl. 166—1)



1. A cementing plug, comprising, an upwardly tapering generally conical body insertible in a well pipe and closed against passage of fluid therethrough, annular flexible sealing elements carried by the opposite ends of said body slidably engageable with the pipe wall, a non-metallic flexible resilient collar member slidably mounted on said body between said sealing elements and frictionally engageable with said pipe wall, a plurality of circumferentially spaced pipe-gripping elements swingably depending directly from said collar member slidably disposed on the conical surface of said body for radial movement thereby relative to said pipe wall in response to longitudinal movement relative to said body.

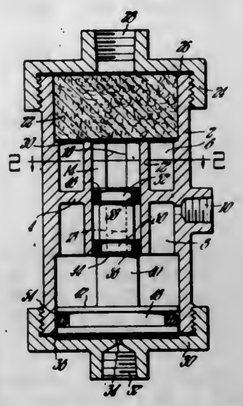
2,572,310
AUTOMOTIVE TRANSMISSION INCORPORATING HYDRODYNAMIC COUPLINGS
Julian S. Brown, Jacksonville, Fla., assignor of one-half to Stewart W. Munroe, Los Angeles, Calif.
Application May 25, 1950, Serial No. 164,208
12 Claims. (Cl. 74—645)



1. In an automotive transmission of the class described, the combination of: a drive shaft; a driven shaft; a multiple element transmission having three members drivingly engaged for interdependent rotation such that the speed of any one of its members is a function of the speeds of the other two members, a first of said members being connected to said drive shaft, and a second of said members being connected to said driven shaft; a hydrodynamic coupling connected between the third of said members and said driven shaft; fluid circulating means including a restrictive peripheral orifice in said coupling to discharge fluid therefrom, enclosure means to collect said discharged fluid, conduit means centrally connected to said coupling to return said collected fluid thereto and a valve in said conduit means to vary the amount of hydraulic fluid in said hydrodynamic coupling whereby to vary the slip thereof; and brake means operatively connected to said valve to lock said third member against rotation whereby to fix the relative speed and direction of said other two members, said brake means being inoperative except when said valve is positioned to shut off said conduit means whereby to empty said coupling of fluid.

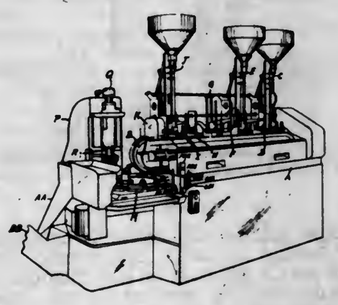
2,572,311
MOISTURE ELIMINATING DEVICE FOR COMPRESSED-AIR SYSTEMS
Francis W. Burd, Springfield, Mass.
Application March 8, 1950, Serial No. 148,387
1 Claim. (Cl. 302—88)

A device adapted for connection in a compressed air system to eliminate liquid therefrom comprising in combination, a body having upper and lower chambers separated by a partition and provided with a discharge in communication with said lower chamber, a hub extending upwardly from said partition in said upper and lower chamber and provided with a longitudinal bore and separate elongated upper and lower ports between said bore and chambers, an upper cap on said body closing said upper chamber, a lower cap on said body closing said lower chamber, said upper cap having an inlet for connection to a pressure tank, said lower cap having an inlet for connection to a pressure unit and provided with a restricted opening into the lower



chamber, a valve having a lower piston in said lower chamber and intermediate and upper pistons in said bore and movable up and down in said lower chamber and bore, said pistons provided with annular peripheral grooves and yieldable seal rings therein, said lower piston being relatively larger in diameter than said intermediate and upper pistons, all adapted and arranged whereby in lower position of the valve the upper piston is disposed between said upper and lower ports while in upper position thereof the intermediate piston is disposed between said ports.

2,572,312
CONDENSER ASSEMBLING MACHINE
James S. Burge and Don E. Key, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 15, 1946, Serial No. 683,677
13 Claims. (Cl. 226—2)



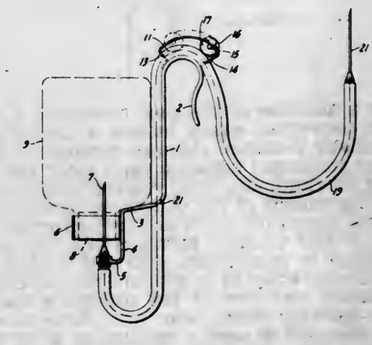
1. A machine for assembling an electrical condenser having a metal can, a foil winding having foil margins exposed respectively at its ends, a terminal wire, devices for connecting the foil margins respectively with the can and wire, and a non-conducting can cover through which the wire extends, said machine comprising means for assembling a can, a connecting device and a foil winding, a work holder for receiving first a terminal assembly of the wire, can cover and the other connecting device and then the assembly which is provided by the first means, means for transferring the assembly last mentioned to the work holder and causing the said other connecting device and the can cover to be located within the can, means cooperating with the work holder to crimp the can end against the can cover, means for moving the work holder when loaded to the crimping means and apparatus for effecting operation of said means in timed relation.

2,572,313
MAGNETOSTRICTION DEVICE
Leslie L. Burns, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1949, Serial No. 84,374
13 Claims. (Cl. 171—209)



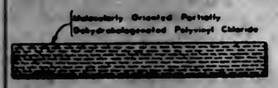
1. A magnetostrictive vibrator comprising a member having alternate magnetostrictive pressure sections, each section having a length and spacing equal substantially to a half-wavelength at the operating frequency.

2,572,314
FLASK SUPPORT AND CONNECTING MEMBER
William F. Butler, Oakland, Calif., assignor to Cutter Laboratories, Berkeley, Calif., a corporation of California
Application January 27, 1947, Serial No. 724,590
5 Claims. (Cl. 128—214)



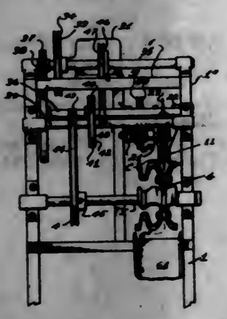
5. A flask supporting device comprising a rigid normally vertical member having a laterally extending flask-supporting bracket and an upright portion providing a handle said bracket being arranged to support an inverted flask adjacent and parallel to said rigid member; means for securing a tube directly to said upright portion; and a manually operable tube constricting member secured directly to said upright portion.

2,572,315
DEHYDROHALOGENATED POLYVINYL CHLORIDE POLARIZER
John E. Campbell, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 24, 1949, Serial No. 78,092
4 Claims. (Cl. 88—65)



1. A transparent dichroic light-polarizing sheet comprising molecularly oriented polyvinyl chloride having incorporated therein a plasticizer from the class consisting of the high-boiling point esters which are compatible with and retained by polyvinyl chloride, said plasticized molecularly oriented polyvinyl chloride containing molecularly oriented, dichroic, partially dehydrohalogenated polyvinyl chloride, the ratio of plasticizer to polyvinyl chloride in said sheet being at least 2 to 5 by weight, said plasticizer retaining its plasticizing properties when subjected to a strongly alkaline solution, the dichroic ratio of said sheet for radiation in the wavelength band between 450 and 650 millimicrons being at least 7, and the dichroic properties of said sheet deriving essentially from the partially dehydrohalogenated polyvinyl chloride therein.

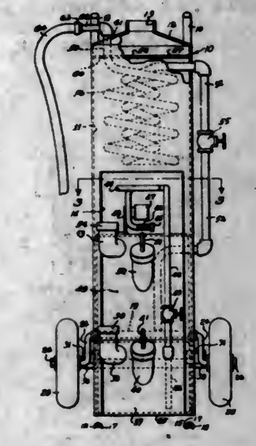
2,572,316
FISH SPLITTING MACHINE
Andrew L. Christianson, Willowbrook, Calif.
Application January 11, 1946, Serial No. 640,454
2 Claims. (Cl. 17—4)



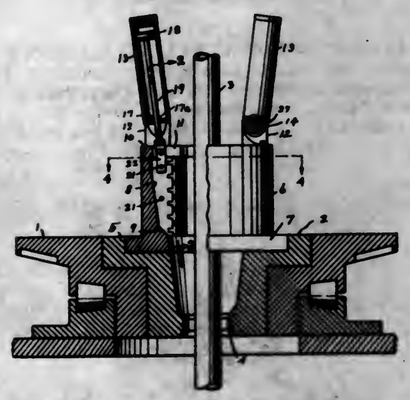
1. In a machine of the class described, a continuous conveying means having a plurality of substantially V-shaped channel members of various sizes positioned adjacent each other and extending longitudinally with respect to the direction of movement of the conveying means, fish-centering means on the frame for centering fish carried in said channel members and fish-splitting means in association with and behind the former means adapted to split the fish carried in the channel members of the conveying means, the fish-splitting means being adjustable laterally and mounted in such a manner as to be lowered into a designated channel member.

2,572,317
PORTABLE STEAM GENERATOR
Wilfred G. Chausse, Detroit, Mich.
Application April 25, 1947, Serial No. 743,850
2 Claims. (Cl. 122—4)

1. A portable steam generating apparatus comprising an elongated housing structure, a steam generator in said housing structure, said housing structure including, a base having an end rest connected to the end of said housing structure for supporting said housing structure in a vertical-steam-generating position, a sled runner structure connected to the side of said housing structure and extending therealong for supporting said housing structure in a horizontal travelling position, said runner structure including runner supports secured to and extending outwardly from said housing structure, and runners mounted on said runner supports in spaced relationship with said housing structure, an axle swingably mounted on said housing structure for motion toward and away from said runner structure, and ground wheels mounted on said axle.

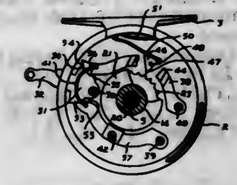


2,572,318
PIPE HOLDING SLIP
Walter L. Church, Houston, Tex.
Application August 14, 1945, Serial No. 610,764
4 Claims. (Cl. 24—263)



1. A pipe holding slip assembly comprising, a member having an inside downwardly tapering lower slip seat, a slip bowl on said member having an inside downwardly tapering slip seat, upper slip sections arranged in the assembly to surround a pipe through the seats, releasable fluid pressure operable means pivotally mounted on the bowl and connected to the slip sections and operable to lift the sections from the lower seat to the upper seat, said lifting means being releasable to allow the slip sections to move by gravity from the upper seat onto the lower seat.

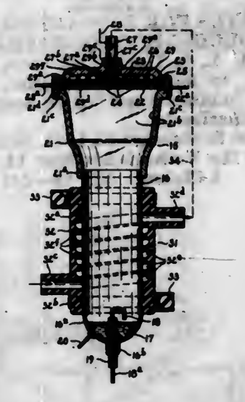
2,572,319
FISHING REEL
Arthur William Clarke, deceased, late of New Westminster, British Columbia, Canada, by Edna Mary Lavina Clarke, executrix, New Westminster, British Columbia, Canada
Application July 16, 1948, Serial No. 39,027
1 Claim. (Cl. 242—84.6)



A fishing reel comprising a base, a spindle, and a winding drum upon the spindle, a brake disc and a ratchet wheel secured to said drum, a pair of arcuate arms pivotally mounted on the base to embrace said disc and ratchet wheel, a spring connecting the free end of the arms to urge said arms towards each other, a manually operated rocker interposed between the free ends of the arms to move said arms selectively away from each other, one of said arms having a brake shoe engageable with the brake disc and the second of said arms having a ratchet tooth adapted to engage the ratchet wheel, said manually operated rocker having cam faces on opposite sides of its pivot and a latch on one side of said pivot, one of said cam faces being adapted to engage the brake shoe carrying arm to retract said brake, the latch being adapted to engage the ratchet tooth carrying arm to remove said ratchet tooth from the ratchet wheel and said second cam being adapted to progressively urge the ratchet tooth carrying arm away from the ratchet wheel and to permit the brake shoe carrying arm to be drawn towards the brake disc.

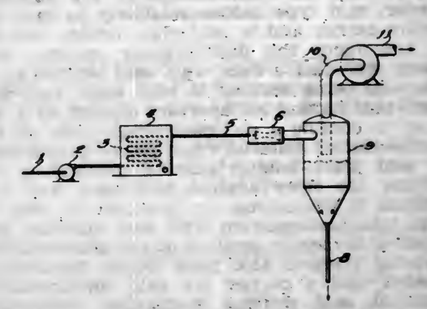
2,572,320
LOW IMPEDANCE OSCILLATOR
Irvin W. Cox, West Allis, Lester D. Drugmand, Greenfield, and Raymond E. Mekelburg, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 23, 1946, Serial No. 698,822
17 Claims. (Cl. 313—268)

1. A low impedance oscillator tube comprising a laminated unit having an anode consisting of a relatively thick, flat metal sheet, and grid and cathanode members respectively consisting of like flat metal sheets approximately .005 inch thick, said last mentioned sheets each having a multiplicity of rows of slots formed therein, said slots in the respective sheets being alined with each other, each slot being approximately one-fourth inch long and .010 inch wide, the slots in each row being separated from each other by an area of sheet metal approximately .008 inch wide, said rows of slots being spaced approximately one-eighth inch from each other, a multiplicity of glass strips approximately one-eighth inch wide respectively positioned upon the upper lower surfaces of said grid member on opposite sides of the respective rows of slots in the latter, the glass strips at the lower surface of said grid member being approximately .010 inch thick and the glass strips at the upper surface of said grid



member being approximately .020 inch thick, said last mentioned glass strips being fused to said anode and said grid member, and said first mentioned glass strips being fused to said grid member and said cathanode member.

2,572,321
PREPARATION OF FINE POWDERS FROM GEL MATERIALS
Richard M. Deanesly, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 25, 1947, Serial No. 788,040
4 Claims. (Cl. 159—47)



1. A method for preparing a finely divided powder from a gel having vaporizable and solid components, which comprises, passing said gel in a fluid-like stream to a heating zone maintained at a superatmospheric pressure that is above the critical pressure of the vaporizable component of said gel, heating the mixture to a temperature of the order of the critical temperature of said vaporizable component and passing the thusly heated gel at said superatmospheric pressure through a restricted outlet to a reduced pressure zone, maintaining the latter at a sufficiently low pressure with respect to said heated and high pressure zone to provide substantially instantaneously and adiabatically an increased volume of said stream that is at least twenty times that in the first zone and effecting thereby a powdering of the solid component of said gel, into particles largely less than two microns in size, withdrawing

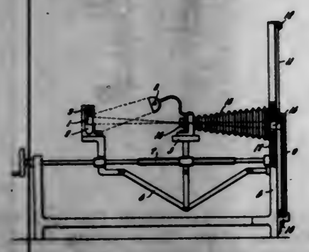
the resulting powder and vapors through particle separating means and recovering said powder therefrom.

2,572,322

APPARATUS FOR SEMIAUTOMATICALLY PRODUCING PHOTOGRAPHIC TYPE

Henricus J. A. de Goeij, Overveen, Netherlands, assignor, by mesne assignments, to N. V. Exploitatie Maatschappij "Quod Bonum," Amsterdam, Netherlands

Application September 18, 1948, Serial No. 49,985
In the Netherlands May 13, 1948
5 Claims. (Cl. 88—24)



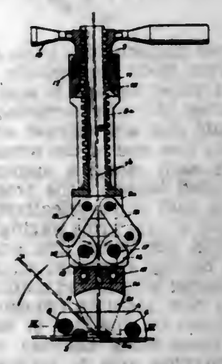
1. A device for the production of photographic type including a type holder, a reproduction camera with bellows, objective, objective carrier, a plate holder adapted to carry the photosensitive material—plate, film, or paper; a frame adapted to support said objective carrier and said type holder slidably thereon, mechanism for displacing said objective carrier on said frame along the optical axis and relatively to said plate holder and further mechanism associated with said type holder, with said objective carrier, and with said plate holder, for displacing, concomitantly with the displacement of the objective carrier, said type holder relatively to said objective carrier and to said plate holder, thereby to auto-focus the photographic system; said frame including a back wall, said bellows at its rear end being secured to said back wall, said back wall having an aperture shaped as a slit so as to confine a sectional image area on the photosensitive material when placed therebehind by said plate holder, shifting mechanism for holding the same against said back wall and shifting it therealong for bringing it, step by step, into juxtaposition with said aperture and exposing successive sections of the photosensitive material thereon, said plate holder including a bracket and a carrier for said photosensitive material, said shifting mechanism comprising gearing for shifting said plate holder, and actuating means for driving said gearing, said actuating means including a manipulating member disposed longitudinally of and displaceable along a direction parallel with the optical axis; two couples of co-operating abutment and stop members, one of the members of the one couple being stationary on said frame, the other adjustably secured to said manipulating member; the abutment member of the other couple being disposed on said manipulating member, the appertaining stop member being a detent, a detent support being provided for displaceably mounting thereon said detent; a transmission gearing being associated with said detent and said mechanism for displacing said objective carrier, said transmission gearing adapted to displace said detent on its support parallel to the optical axis and proportionally with the displacing of the objective carrier for setting the detent so as to limit the stroke of said manipulating member to the extent that, on actuation of said manipulating member, the plate holder gearing shifts the plate holder one step, to the succeeding section to be exposed, in accordance with the scale of reproduction set by the actuation of said objective carrier displacing and auto-focussing mechanisms.

2,572,323

TOOL FOR APPLYING BINDING STRAP TO RAILROAD SLEEPERS

Gaston Charles Delor, Paris, France, assignor of one-half to Societe Nationale des Chemins de Fer Français, Paris, France, a corporation of the French Republic; Frederic Edouard Marie Strahm administrator of said Gaston Charles Delor, deceased

Application January 12, 1946, Serial No. 640,976
In France July 4, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 4, 1962
2 Claims. (Cl. 81—9.1)



1. A tool for tensioning a strap around an article and folding over the free end of the strap about a clasp bar arranged transversely of the strap, which tool comprises a base portion having a recess opening downwardly in the bottom thereof, said base including upstanding flanges which are secured together in spaced relationship and extend laterally therefrom forming a slot for accommodating the free end of the strap, a pair of trunnions on said base, one trunnion being on each side of and at the bottom of said base portion, a lever having bearing means on the end thereof journaled on said trunnions, a pair of cooperating jaw members carried by said lever and adapted to grasp the free end of the strap, said lever being pivotable about said trunnions while the free end of the strap is held between said jaws to fold the strap backwardly upon itself while applying a substantially constant tensioning force thereto, and means connected to said jaws and said lever for moving said jaw members as a unit relative to said lever to apply tensioning force to the strap.

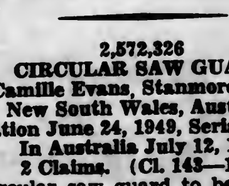
2,572,324

STORAGE BATTERY CONSTRUCTION

Joseph Charles Duddy, Philadelphia, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey

Application September 9, 1948, Serial No. 48,399
10 Claims. (Cl. 219—15)

1. In a pile type battery, a plurality of closely juxtaposed U-shaped duplex elements, an impervious insulating barrier inserted between the component parts of each such element, an absorbent slotted separator interposed between each



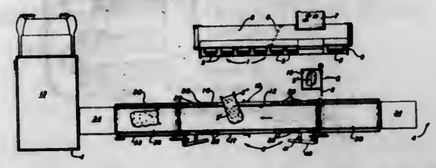
pair of adjacent duplex elements and electrolyte absorbed by said separators.

2,572,325

CONVEYER ORGANIZATION FOR POSITIONING AND TRANSPORTING ARTICLES

Earl A. Ernst, Bakersfield, Calif.

Application January 13, 1947, Serial No. 721,837
3 Claims. (Cl. 198—29)



1. In an endless belt device, a pair of spaced apart elongated side channel members which have their top and bottom flanges perforated, the perforations in the top flange of each channel being larger than those in the bottom flanges but each large perforation being alined with a smaller one, large roller means at each end of the device having its shafts journalled in the channels, an endless belt looped about the rollers and held taut by a plurality of smaller rollers journalled in the channels and spaced between the large roller means, a plurality of poles positioned in predetermined alined perforations for use in shifting material that overhangs the belt to positions entirely within the confines of the belt, a sprocket keyed to one end of each of the shafts of the larger roller means linked by a chain with a driving means, and a clutch means having a lever control at each sprocket so that the belt can be driven in either direction by shifting the proper clutch lever in the manner described.

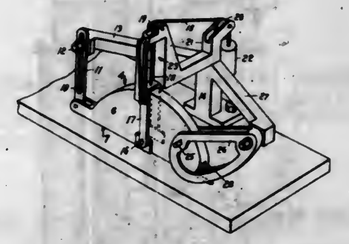
2,572,326

CIRCULAR SAW GUARD

Mervyn Camille Evans, Stanmore, near Sydney, New South Wales, Australia

Application June 24, 1949, Serial No. 100,996
In Australia July 12, 1948
2 Claims. (Cl. 143—159)

1. A circular saw guard to be mounted on a saw bench and including a semicircular shaped hood and a pair of spaced vertically disposed side walls integral therewith, said walls being disposed in parallelism with the blade of the saw, and the bottom edges of said side wall being straight and disposed normally in parallelism with the upper surface of said saw bench and having at the forward portion thereof pivotal means, a link, one end of which is pivoted thereto, stationary means to which the link is pivotally connected at its other end, said stationary means being located on said saw bench, said guard also including a riving knife secured to the top of said saw bench and disposed between said side walls adjacent the rear end portion thereof, and said guard also including at the rear end thereof a lug, said stationary means including a horizontal limb, a fixed pin mounted on one end of said horizontal limb, and a vertically disposed radius arm having on one end portion an elongated slot into which said fixed pin slidably fits, and the other end being pivotally secured to said lug whereby when a work piece is being fed to the forward end of the guard, said link will be



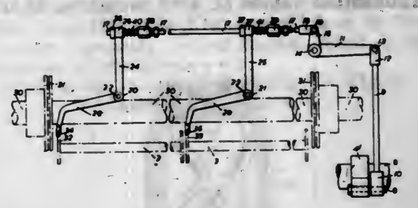
tilted to lift the forward end of the guard by the pivoting on the pivotal connection of said link and guard, until the guard is in balanced position to lie on the top of the work piece, and when said balanced position is passed, the link and the forward part of the guard will be allowed to descend to the upper surface of said saw bench, and when the work piece has been fed from beneath the rear end of the guard the latter end of the guard wil descend to the upper surface of said saw bench, so that the guard will completely cover the portion of the circular saw projecting above the upper surface of said bench.

2,572,327

SPOOL-GRIPPER CARPET LOOM

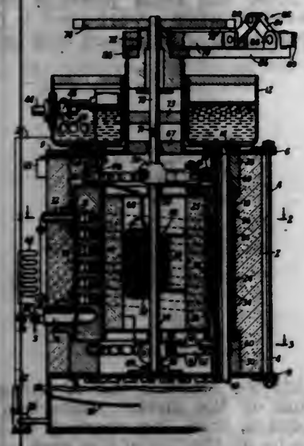
William Felton, Bradford, England, assignor to David Crabtree & Son Limited, Bradford, England, a British company

Application May 13, 1950, Serial No. 161,832
In Great Britain August 17, 1949
1 Claim. (Cl. 139—7)



A spool-gripper carpet loom having a spool-braking mechanism comprising an oscillatable arm, a link rod pivotally connected to the said oscillatable arm, a second arm pivotally connected to the link rod, an oscillatable shaft on which the second arm is fixed, a third arm fixed on the said shaft, a second rod pivotally connected to the third arm, an oscillatably mounted bell crank lever operated by the second rod, and a brake surface provided on the said bell crank lever for operation on successive spools of the loom whilst they are in the operative position.

2,572,328
MACHINE AND METHOD OF MAKING ICE OR THE LIKE
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application April 5, 1945, Serial No. 586,738
27 Claims. (Cl. 62—106)



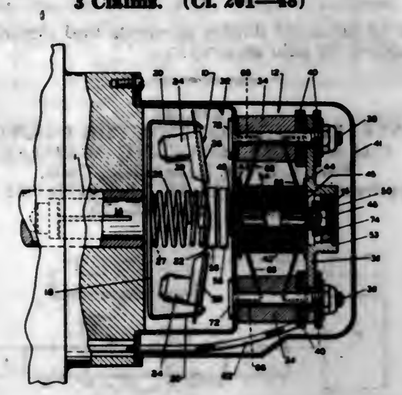
1. In ice-making apparatus, the combination of, a plurality of freezing tubes each having an inner surface upon which ice may be formed, refrigerating means including an evaporator assembly to subject the freezing tubes to a cooling effect from their outer surfaces, means to supply liquid to be frozen to the interiors of said tubes, and harvesting means to cause an electric current of high value to flow through the tube walls and thereby free the ice, said harvesting means including a distributor arm pivotally mounted to swing about a fixed axis and separate means electrically connected to each of said tubes and having a contact face which is engaged by said arm to complete an electric circuit through the tube.

2,572,329
ROOM DEODORIZER
Clyde C. Foster, Decatur, Ill.
Application August 21, 1948, Serial No. 45,510
6 Claims. (Cl. 299—20)



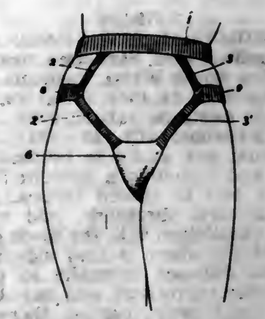
1. A deodorizer comprising an open-mouthed container, a disc-like absorbent stopper element to fit supportedly in and close the mouth opening of the container, and a flat elongated wick element secured at its middle with conductivity to practically the complete under side of said disc-like element and extended at length downward from the disc-like stopper element for immersion in a liquid in the container, whereby the liquid is taken up by the wick element, absorbed by the disc-like stopper element and given off as an emanation overcoming objectionable odor in room space or the like.

2,572,330
AUTOMATICALLY VARIABLE RESISTANCE ELECTRICAL DEVICE
Dwain E. Fritz, Shaker Heights, Ohio, assignor to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 11, 1950, Serial No. 155,308
3 Claims. (Cl. 201—48)



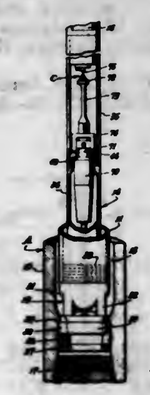
1. A centrifugal governor comprising a rotary unit provided with a centrifugal weight, a non-rotary pressure responsive resistance device including a carbon pile resistor, spaced magnetically opposed adjacent members carried by said rotary and non-rotary units, control means for controlling the linearly applied pressure on the resistance device by the rotary unit and for increasing the linearly applied pressure on the resistance device upon an increase of speed and for reducing the linearly applied pressure on a decrease in speed without physical contact of said rotary unit with said non-rotary unit or its resistor.

2,572,331
SANITARY AND HYGIENIC GIRDLE
Fred Gillessen, Milan, Italy
Application March 9, 1949, Serial No. 80,235
In Italy March 13, 1948
3 Claims. (Cl. 128—288)



1. A sanitary and hygienic girdle for women, comprising in combination a belt, an impermeable boat-shaped member for receiving absorbent material, two angle-shaped front strips connecting two spaced points on the front portion of said belt with two spaced corners located at the ends of the upper edge of said boat-shaped member, the belt portion between said spaced points, the two front strips and said upper edge of the boat-shaped member forming a hexagon; two angle-shaped rear strips connecting two spaced points on the rear portion of said belt, said strips converging into one strip which is connected to the rear end of the boat-shaped member, said rear strips and the rear portion of the belt between said spaced points forming a pentagon, the vertices of the angle-shaped front strips and the vertices of the angle-shaped rear strips being horizontally aligned and connected by two thongs for holding said strips in place, all parts of the girdle consisting of an elastic rubber-like material.

2,572,332
APPARATUS FOR DETERMINING THE ANGULAR POSITIONS OF OBJECTS IN WELLS
John S. Goodwin and Phillip Campbell, Whittier, Calif.
Application October 15, 1945, Serial No. 622,418
43 Claims. (Cl. 33—205)



1. Apparatus for determining inclination of a well bore including a string of drill pipe, a tool, and a wholly mechanical mechanism connected in the string adjacent the tool and including a variable sound generating vibrator, power means driving the vibrator, an adjustment control governing the vibrator and responsive to the angular position of the mechanism, and a centrifugal master control governed by rotation of the string and initiating operation of the vibrator.

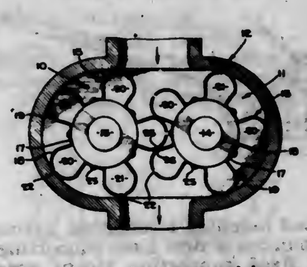
2,572,333
SUPPLEMENTARY SLIDE TABLE TOP FOR TABLES
Meyer Greitzer, Beverly Hills, Calif.
Application March 17, 1950, Serial No. 150,225
3 Claims. (Cl. 45—68.3)

1. In a sliding top device for tables which comprises a flat sheet of material having a sheet of veneer thereover and affixed thereto, the veneer extending slightly beyond the edges of said material, a depending flange extending from the perimetrical edges of the material and secured thereto, said flange having an inwardly directed flange near the top thereof which provides a rabbet portion to accommodate the edge portions of the said material, means on the opposite side of the depending flange from the rabbet portion to receive an insert strip, a bottom flange turned inwardly from the depending flange which rides on the underside of a table top, and a plurality



of felt strips on the inner side of the depending flange below the inwardly directed flange to avoid marring the finish of a table top along which the sliding top rides.

2,572,334
GEARING UTILIZING DETACHABLE GEAR TEETH
Francis W. Guibert, Los Angeles, Calif.
Application August 12, 1948, Serial No. 43,927
11 Claims. (Cl. 74—461)



1. A rotor mechanism comprising a plurality of spaced channel members, each having a base and a pair of curved arms extending outwardly and away from opposite sides of said base, said arms forming respectively one of two faces of adjacent gear teeth.

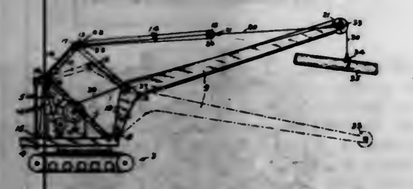
2,572,335
ELECTRIC SWITCH STRUCTURE
Arthur Hafke, Detroit, Mich., assignor to Pent Electric Company, Grand Rapids, Mich., a corporation of Michigan
Application June 9, 1949, Serial No. 97,966
2 Claims. (Cl. 200—168)



2. In a switch, a hollow body of insulating material open at its upper end and having vertically spaced sides, two opposed sides each at its upper

edge having a recess therein, metallic contact members located vertically, one at the inner side of each of said sides of the body and having a laterally bent upper end portion received in the recess at the upper edge of the associated side, a plate of insulating material covering the open upper end of the body and extending over the upper end portions of said contact members, thereby holding them in the recesses, means for preventing movement of said cover plate relative to the upper ends of said contact members, and a detachable, resilient retaining member releasably connected at its ends to the sides of the body and yieldingly bearing against the upper side of said cover plate, said cover plate and resilient connecting means having aligned openings adapted for passage therethrough of a movable switch member adapted to make bridging connection between said contacts when in one position and break said bridging connection when in another position.

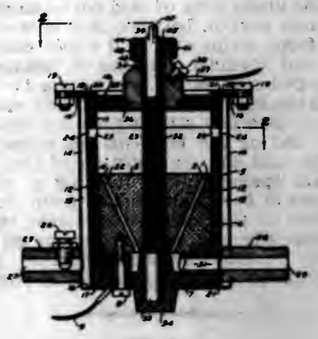
2,572,336
LOADING BOOM CONSTRUCTION
Albert E. Hall, Hamilton, Wash.
Application September 30, 1947, Serial No. 776,947
4 Claims. (Cl. 212—59)



1. In load handling mechanism having a base means mounting a first fixed supporting means, a second fixed supporting means spaced forwardly of said first fixed supporting means, and a prime mover, a boom pivoted at one end portion to said second fixed supporting means and extending forwardly from said base means; first link means pivoted to said first fixed supporting means and extending upwardly and forwardly; second link means pivoted at one end portion to said first link means, extending downwardly and forwardly, and pivoted at the other end portion to an inner portion of said boom away from the pivotal connection of said boom to said base means; sheave means carried by said first and second link means at the pivotal connection therebetween, whereby said sheave means raises and lowers with raising and lowering of the outer end portion of said boom; and cable means connected with an outer portion of said boom and with said prime mover and reeved over said sheave means.

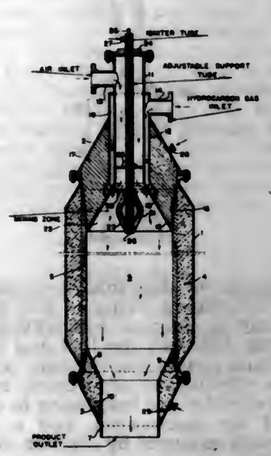
2,572,337
ELECTRIC WATER HEATER
William B. Harris, Bell, Calif.
Application September 13, 1946, Serial No. 696,698
5 Claims. (Cl. 219—40)

1. In a liquid heater: a housing made from insulation material; an electrode fastened in the housing and having an active surface of revolution generated by a line oblique to the axis of revolution; a cooperating electrode having an active surface of revolution uniformly spaced from said first surface; means for adjusting said cooperating electrode along the axis of revolution; and means forming an annular space on the



exterior of the housing and in communication with the interior of the housing.

2,572,338
AUTOTHERMIC CRACKING REACTOR
Karl T. Hartwig, Glen Ellyn, and Ted B. Haufe, Western Springs, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 28, 1950, Serial No. 176,338
5 Claims. (Cl. 23—284)



1. An improved reactor for mixing and effecting high temperature reactions between gaseous reactant streams, which comprises in combination, an elongated pressure tight chamber having internal refractory lining, a reactant stream inlet conduit extending into and discharging axially into one end of said chamber, a second reactant stream inlet conduit spaced concentrically around first said inlet conduit and discharging an annular shaped stream into the end of said chamber, a flared frusto-conical section extending from first said inlet conduit to the inner wall of said chamber, a plurality of orifices spaced around the smaller diameter inlet portion of said flared section, a cone-shaped deflector concentric within and spaced from said flared section and opposing said orifices therein, said deflector

forming a restricted mixing annulus that increases in volume toward the interior of said reaction chamber, and product outlet means through the end of said chamber opposite said inlet end.

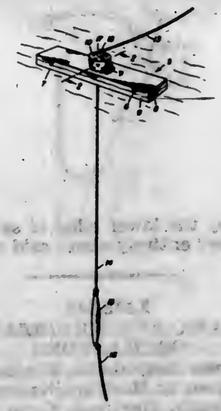
2,572,339
VIBRATION ACTUATED TRANSFER DEVICE
Robert Helm, Palo Alto, Calif., assignor, by decree of distribution, to Helen Helm
Application October 18, 1948, Serial No. 55,073
18 Claims. (Cl. 74—88)



1. In combination with a prime mover which is movable in space as a unit, said prime mover effective when in operation to vibrate at a substantially uniform frequency, a device for shifting said prime mover in space for distances exceeding the normal amplitude of free vibration of the prime mover, comprising a stationary member, a movable member connected to the prime mover for vibration therewith, one of said members comprising an enclosed tube with hydraulic fluid therein, the other of said members comprising a piston slidable in the tube, the stroke of the piston in the tube exceeding the normal amplitude of free vibration of said prime mover, said piston having a port through which fluid can flow from one side of the piston to the other as the piston travels through the tube, and a check valve associated with said port to prevent the flow of fluid therethrough in one direction.

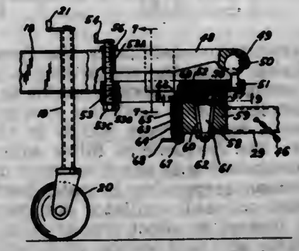
2,572,340
DRIFTABLE WIND PROPELLED FISHING LINE CARRIER
Joseph A. Hockenhull, Currie, Minn.
Application April 11, 1949, Serial No. 86,648
2 Claims. (Cl. 43—44.9)

1. A drift-type wind propelled fishing line carrier comprising a rectangular block of buoyant material having flat top, bottom and marginal surfaces and provided midway of its transverse ends with a relatively large hole opening through said top and bottom surfaces, said bottom surface being wholly free of obstructions, a centrally bored cork inserted removably in said hole, the lower end of said cork being substantially flush with the bottom surface of said block, said cork being of a length greater than the thickness of



said block whereby the upper portion of said cork projects to a plane above said top surface to function as a line position indicator.

2,572,341
TRAILER HITCH
William E. Hoffman, Los Angeles, Calif.
Application August 24, 1948, Serial No. 45,943
11 Claims. (Cl. 280—33.44)



1. In a device of the character described including a trailer to be towed and a tow car, the combination of a tubular member secured at one end by a ball and socket joint to the tow car, a tongue in removably telescoping relation to said tubular member, a bearing member at one end of said tongue, said bearing member being adapted to rotate about a pivot, said pivot being supported by a draw bar one end of which is vertically adjustable with respect to the tongue of said trailer.

2,572,342
AIRCRAFT MUDGUARD
James C. Huett, Dallas, Tex.
Application September 2, 1946, Serial No. 694,639
1 Claim. (Cl. 244—100)

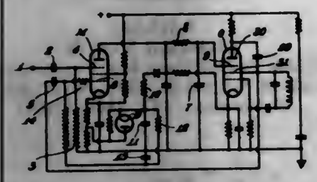
In combination with the landing strut and wheel of an aircraft, a split collar embracing said landing strut, a pair of arcuated, divergent arms affixed to one end of said collar and extending over the wheel of the aircraft, angular braces secured to the opposite end of said collar and whose upper ends are joined to said arcuated arms, a mud guard consisting of a concavo-con-

vex, shallow body of greater length than width and means for securing said body to said arcuated



arms whereby the lower edge of said mud guard will be disposed entirely above said wheel.

2,572,243
AUTOMATIC SYNCHRONIZATION OF OSCILLATORS
Eduard Herman Hugenholtz, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 6, 1947, Serial No. 790,141
In the Netherlands September 20, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 20, 1966
7 Claims. (Cl. 250—36)

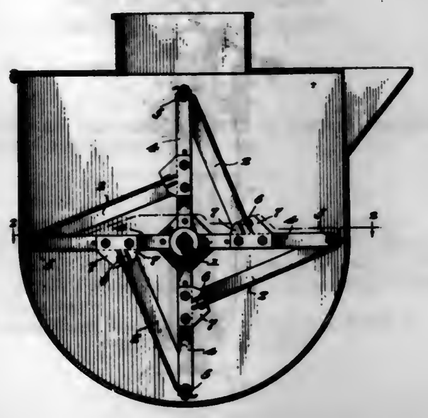


1. Apparatus for stabilizing the frequency of a controllable oscillator comprising a source of standard oscillations, mixing means to combine the frequencies of said oscillator and said source to produce a beat voltage which in the condition where the frequencies differ alternates at a rate corresponding to the frequency difference, control means responsive to said beat voltage and coupled to said oscillator for varying the frequency thereof to effect synchronism between said oscillator and said source, and positive feedback means coupled between the output of said mixing means and the input thereof for sustaining low-frequency oscillations in said mixing means when said beat voltage alternates.

2,572,244
REMOVAL OF INORGANIC SULFATES FROM ALKALI METAL BENZENESULFONATE AND ITS HOMOLOGUES
Donald R. Jackson, Wyandotte, and William K. Langdon and Thomas H. Vaughn, Grosse Ile, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application March 23, 1949, Serial No. 82,992
7 Claims. (Cl. 260—505)

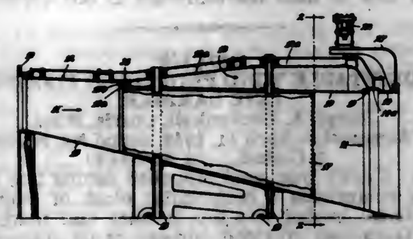
1. The method of removing alkali metal sulfate from a compound selected from the group consisting of an alkali metal benzenesulfonate and aliphatically substituted homologues thereof wherein the said aliphatic groups comprise a total of 1–4 carbon atoms, which comprises forming an aqueous mixture of these salts with sufficient water to dissolve all of the sulfonate, the amount of sulfonate in said mixture being greater than the amount by weight of water, maintaining the temperature of this mixture between that which is required to dissolve all of the sulfonate and the boiling point of the solution, and separating the resultant solution from the undissolved inorganic sulfate.

2,572,245
MIXER FOR LIGHTWEIGHT CONCRETE
Matti Jauhunen, Helsinki, Finland
Application February 25, 1948, Serial No. 10,842
In Sweden April 21, 1947
6 Claims. (Cl. 259—178)



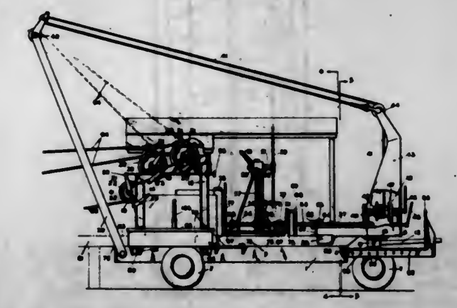
1. A concrete mixer comprising a drum, a shaft rotatably mounted in said drum, arms fixed to said shaft and extending radially therefrom and perforated wings mounted on said arms, one side edge of each wing being fixed to the free end of one of said arms and the opposite side edge being fixed to an intermediate point of the following arm so that each wing extends parallel to said shaft and inclined to a radius of said shaft.

2,572,246
ABSTRACTING HOT GAS FROM THE EXHAUSTS OF GAS-TURBINE ENGINES
Ralph Janes, Duffield, England, assignor to Rolls-Royce Limited, Derby, England, a British company
Application May 19, 1949, Serial No. 94,192
In Great Britain May 25, 1948
7 Claims. (Cl. 60—39.5)



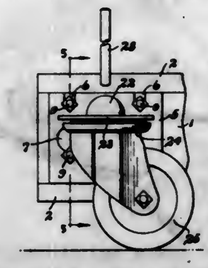
1. A gas turbine exhaust arrangement having means for extracting exhaust gas from the exhaust stream comprising in combination an exhaust duct defining wall having a first wall portion and a second wall portion located downstream of the first wall portion which second wall portion closely follows the desired form of the duct and has its upstream edge spaced into the exhaust duct away from the said first wall portion of the duct defining wall so as to constitute a high velocity gas entry gap which faces upstream of the duct; a collector chamber structure having an inlet formed by said gap and an outlet, and a cross-sectional area which increases gradually from its inlet to its outlet whereby diffusion of the exhaust gas occurs to convert velocity energy to pressure energy; and distribution ducting connecting the outlet of said chamber to any desired location.

2,572,247
PORTABLE YARDING AND CUTOFF SWING-SAW MACHINE
Glen A. Johnson, Tenino, Wash.
Application May 29, 1946, Serial No. 672,963
3 Claims. (Cl. 143—46)



1. In a portable yarding and cut-off machine, a portable frame, a stationary platform thereon, a longitudinal pathway on one side of the platform for the logs to be handled in the machine, manually controlled means above the pathway at one end of the frame and platform for drawing a log into and lengthwise of the pathway upon the platform below said means, a stop adjustably mounted longitudinally in the frame beneath the platform and projecting above the same at the opposite end of the frame to limit the advanced position of the log, a saw mounted on the frame and platform at one side of the pathway and movable into the pathway for cutting the log transversely in the limited position resulting from the contact of the log with the stop, a pusher bar reciprocably supported above the platform to extend transversely thereof and having a longitudinal rack, a shaft journaled on the platform and having a fixed sprocket meshing with the rack, a counter shaft journaled on the platform and having a driving connection to the first shaft at one end, a slidable bearing for the opposite end of the counter shaft, a friction wheel fixed to the countershaft, a driven shaft journaled on the platform, a small friction wheel fixed on the latter shaft in line with the first friction wheel, a belt loosely trained around said wheels, and means connected to the slidable bearing to move the same and the first friction wheel in opposite directions to engage the second wheel or disengage therefrom and tighten the belt, to project the pusher bar against the cut-off portion of the log to discharge same from the opposite side of the platform and to retract the pusher bar at the inside of the pathway.

2,572,248
PORTABLE PALLET MOUNTING STRUCTURE
Lee D. Johnson, Almont, Mich.
Application November 22, 1948, Serial No. 61,463
5 Claims. (Cl. 280—43)



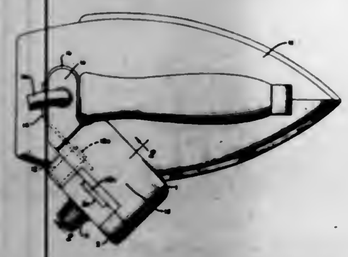
1. In a structure as described, a horizontal pallet, attachments secured at opposite sides of the pallet, one near each end thereof permanently secured thereto, each including an outer plate lying against a side of the pallet, bolts passing through said plate for connecting the plate to the pallet, nuts on the outer end of the bolt, spacing collars between said nuts and said plate, one on each bolt, a second plate having spaced keyhole slots through it between its upper and lower edges and slots at the upper edge portions of the plate open at their upper ends, said slots in number being equal to the number of bolts for connection of the second plate with the bolts, said spacing collars entering the slots in said second plate, a short horizontal shaft permanently secured to said second plate extending outwardly therefrom upon which a caster assembly is adapted to be rockably mounted to occupy one position in which the pallet is lifted above a floor with caster rollers bearing against the floor, and in another position of which the casters are inclined at an angle with respect to the first position with the pallet lowered to rest upon said floor.

2,572,249
GOLF BALL CLEANER
Robert Kaplan, Detroit, Mich.
Application July 21, 1950, Serial No. 175,142
5 Claims. (Cl. 15—118)



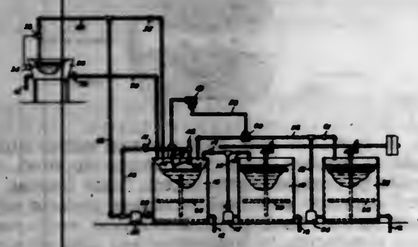
1. A portable golf ball cleaner comprising a block of rubber material having opposed substantially parallel faces, these faces having opposed concave golf ball receiving sockets which are in spaced back to back relation, each socket being substantially hemispherical and of a size to receive a substantial part of a golf ball, one of these sockets having a soft spongy water absorbing pad on its bottom surface for absorbing water and for washing a golf ball therein, and the other having a wiping material liner on its bottom surface for wiping a golf ball therein, the block being of a material that is substantially non-absorbent and impervious to flow of water through it from the pad, whereby neither the liner nor the outer surface of the block will become wet from the pad.

2,572,350
COIN-OPERATED ELECTRIC IRON
Harry S. Kaufman, San Diego, Calif.
Application March 11, 1946, Serial No. 653,611
2 Claims. (Cl. 194—34)



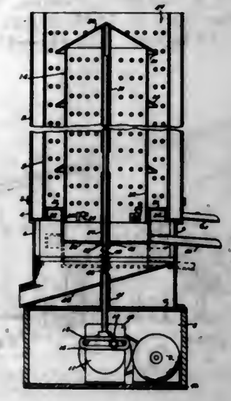
1. In a coin controlled electric iron of the class described, the combination of a casing, a time clock mounted in said casing having an extended shaft, a guard plate freely rotatable on said shaft, a cam in connection with said guard plate, a pair of electrical contacts engageable with said cam, a first coin receiving plate fixed on said shaft and having a coin receiving recess therein, at one side thereof, equal to approximately one-half the thickness of a coin to be inserted therein, a second coin receiving plate rotatably mounted relatively to said shaft and having a coin receiving recess in one side thereof adjacent said first receiving plate, said recess in said second coin receiving plate being of a depth substantially one-half the thickness of a coin to be inserted therein, said first mentioned coin receiving plate having a tab portion engageable with said guard plate, whereby rotation of said first coin receiving plate engages said tab portion with said guard plate causing said cam to close said contacts.

2,572,351
SIZE CONSISTENCY CONTROL
John Green Kershaw and Joseph Alfred Carrier, Montreal, Quebec, Canada, assignors to Dominion Textile Company Limited, Montreal, Quebec, Canada, a corporation of Canada
Application December 4, 1947, Serial No. 789,595
In Canada September 27, 1947
3 Claims. (Cl. 137—78)



1. In combination with a sizing apparatus having a slasher size box, a feeding vessel from which size is fed to the size box, a cooking vessel in which size of a desired consistency is prepared and fed to the feeding vessel, a first passage from the feeding vessel to the slasher size box, a return passage from the slasher size box to said feeding vessel, said first passage and said return passage constituting a feeding circuit, means for feeding size through said circuit, a regulator means responsive to the consistency of the size in said feeding circuit said regulator means comprising, a bleed line from said feeding circuit, a substantially horizontally directed nozzle connected to said bleed line adapted to project a stream of size from said bleed line, a pivotally mounted member positioned opposite said nozzle and responsive to fluctuations of the path of the size stream from said nozzle as varied by the consistency of the size passing through said feeding circuit.

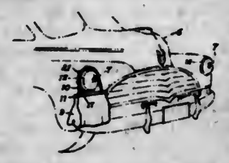
2,572,352
METHOD AND APPARATUS FOR EXTRACTING JUICE FROM CITRUS PULP
William R. Ketchum, Maricopa County, Ariz.
Application November 23, 1945, Serial No. 630,467
4 Claims. (Cl. 100—50)



1. Apparatus for extracting potable juice from screened citrus fruit juice pulp, including in combination, a vertically supported elongated, perforated, outer cylinder forming a sieve, an inner cylindrical, perforated, elongated metal sieve supported to reciprocate axially in said outer sieve, said inner sieve being closed at the top and having a flange near its bottom adapted to operate pistonwise in said outer sieve, means for collecting juice from the inside of said inner sieve, means for collecting juice from the outside of said outer sieve, mechanism for reciprocating said inner sieve within said outer sieve from a position where said flange extends into the bottom of said outer sieve to a position below the lower rim thereof, and a pulp chute positioned below the lower rim of said outer sieve adapted to remove pulp deposited therefrom, said perforated sieves having a series of vertically spaced apertures therein, and said inner sieve carrying a plurality of outwardly extending annular baffle members, the radial distance between said sieves being about 1/12 of their length.

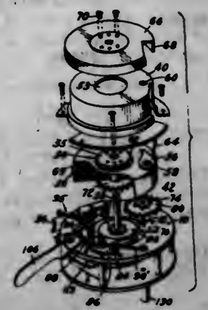
2,572,353
WATER BAG HOLDER
Otis H. Kilgore, Santa Ana, Calif.
Application October 2, 1950, Serial No. 187,970
3 Claims. (Cl. 224—42.45)

1. In a device for attaching a container having a cord handle to a vehicle headlight, said headlight having a molding rim forming with body portions of said automobile a peripheral slot: a strap adapted to overlay said rim; clips on said strap for engaging said cord handle; prongs on said strap adapted to penetrate said



slot; and means for tightening said strap upon said rim.

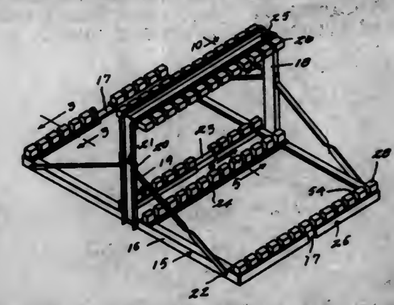
2,572,354
FISHING REEL
Floyd C. King, Walled Lake, Mich.
Application June 29, 1949, Serial No. 102,091
4 Claims. (Cl. 242—84.3)



1. A brake mechanism for an automatic fishing reel of the type having a spring motor, a main drive shaft connected with said motor for rotation, a line spool rotatable relative to said drive shaft, and a clutch for connecting and disconnecting said spool and said main drive shaft, comprising a pair of brake members operable one on said main drive shaft and the other on said spool, said main shaft brake member being arranged to restrain rotation of said main shaft under the influence of said motor, said other brake member being arranged to prevent rotation of said spool when said clutch is disengaged, said first brake member being normally arranged in braking engagement with said main drive shaft, means biasing said second brake member out of braking engagement with said spool, and a brake lever shiftable into engagement with either of said brake members.

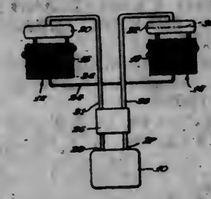
2,572,355
RACK
Earl E. Kintz, Bratenahl Village, Ohio
Application January 2, 1947, Serial No. 719,654
1 Claim. (Cl. 211—1)

A storage rack comprising a base frame formed of opposite side and end bars, a pair of upright members carried one by each side bar at substantially the center thereof, a lower pair of angle bars fixed between said side bars, a second pair of angle bars fixed between said upright members above said lower bars, said end bars being of angle shape, and stall forming means fixed to said end bars, and said first and second named pairs of angle bars, said stall forming means comprising a flat strip, means carried by the opposite lengthwise edges of said strip for securing the strip on a bar, and a plurality of spaced projections integrally formed on said strip, the spacing between said projections being



substantially equal to the width of said projections.

2,572,356
REVERSIBLE HEATING AND COOLING SYSTEM
Frank A. Krueger, Shawano, Wis.
Application May 5, 1948, Serial No. 25,283
10 Claims. (Cl. 62—129)

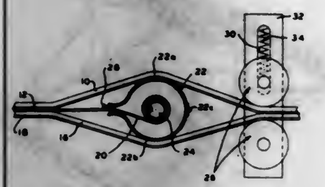


1. A reversible heat exchange system comprising a pair of heat exchangers having approximately equal volumetric capacity, a tube having a restricted passageway therein connecting the lower portions of said heat exchangers to each other, an accumulator connected to the top of each heat exchanger, a duct connecting each accumulator to a reversing valve assembly, a compressor, and ducts connecting the valve assembly to the high and low side of the compressor, said reversing valve being so arranged that the high side of the compressor can be connected to either accumulator and while so connected, the low side of the compressor will be connected to the other heat exchanger.

2,572,357
PHOTOGRAPHIC PRODUCT COMPRISING A FLUID PROCESSING AGENT AND APPARATUS FOR USE IN CONNECTION THEREWITH
Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 13, 1945, Serial No. 604,839
30 Claims. (Cl. 95—13)

1. In apparatus of the character adapted to subject a multilayer film to a predetermined processing, said multilayer film comprising three superposed sheet-like portions, said portions comprising an outer portion including a photosensitive layer, another outer portion capable, when pressed into face-to-face contact with said first-named portion, of subjecting the photosensitive layer thereof to a predetermined processing, and a third portion intermediate said

outer portions preventing face-to-face contact thereof, said apparatus comprising, in combination, means for removing said intermediate portion, said removing means comprising a take-up roll and a housing wherein said take-up roll is



mounted, said housing providing surfaces for guiding the portions of the film on opposite sides of the removed portions around said take-up roll, and means for pressing the portions of the film on opposite sides of the removed portion into face-to-face contact with one another.

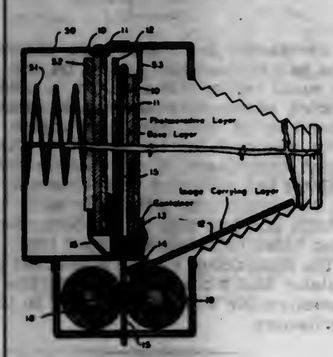
2,572,358

MULTILAYER PHOTOGRAPHIC FILM UNIT CONTAINING A LIQUID AND HAVING ONE LAYER MOVABLE WITH RESPECT TO ANOTHER LAYER

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application July 15, 1950, Serial No. 174,026

12 Claims. (Cl. 95—8)



1. A photographic product containing material, including a photographic reagent, for producing a transformation of an image in said product, said reagent being present in an amount sufficient to effect said transformation, said product comprising a first liquid-confining layer, including at least a photographic, photosensitive portion capable of having an image formed therein upon photoexposure, a second liquid-confining layer, an opaque stratum associated with each of said liquid-confining layers, at least one of said layers being relatively stiff so as to transmit throughout substantially its whole area a turning moment applied thereto around an axis parallel to an edge portion of said layer, a rupturable container holding a liquid, said liquid being in an amount required for transforming said image in said photosensitive portion, said liquid upon permeation of said photosensitive portion rendering said transforming material effective to transform said image, said layers and container being attached together by means of a hinge, said liquid-confining layers being normally superposed with said photosensitive portion positioned between said opaque strata so as to exclude actinic light from said photosensitive portion, said hinge permitting said layers to be separated so as to allow exposure of said photosensitive portion and then permitting said layers to be superposed again, with said liquid being held by said container so as not to wet said layers and with said container being positioned for releasing said liquid between said layers, said photosensitive portion comprising a single frame for producing a single photographic image, said hinge being positioned adjacent a marginal edge of the frame, said container being also positioned adjacent a marginal edge of said frame, said hinge and said container being positioned outside of the boundaries of said frame so as not to interfere with exposure of said frame, and an engaging portion on said relatively stiff layer adapted to be engaged by means in a camera for causing said relatively stiff layer to pivot around said hinge with respect to the other layer so as to permit exposure of said photosensitive frame.

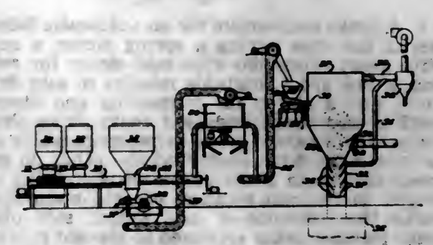
2,572,359

MAKING GLASSY PHOSPHATE COMPOSITIONS

Robert W. Liddell, Jr., Bethel Township, Allegheny County, Pa., assignor to Calgon, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1949, Serial No. 132,467

14 Claims. (Cl. 252—135)



1. The process of treating a powdered water-soluble alkali-metal phosphate glass having a molar ratio of alkali-metal oxide to phosphorus pentoxide between about 0.9:1 and about 1.7:1 which comprises maintaining a gaseous humidifying zone and a contiguous gaseous drying zone, dispersing the powdered glass in the humid zone, carrying it through the humid zone, carrying it to and through the drying zone, all the while maintaining it in gaseous suspension, whereby the individual particles are first subjected to humidifying conditions and thereafter to drying conditions while gas-borne, so that the surfaces of the individual glass particles are first rendered tacky and thereafter rendered essentially non-tacky while agglomeration of the particles into large dense masses is avoided, and then collecting the product as a loose friable, finely divided mass.

2,572,360

INJURY PAD

Roland F. Logan, Los Angeles, Calif.

Application March 23, 1948, Serial No. 16,591

3 Claims. (Cl. 2—24)

1. A pre-formed injury pad consisting of a flexible semi-cylindrical body section, a flexible quadrispherical end section and an inelastic



fabric facing attached only to the entire outer surface of said semi-cylindrical body section.

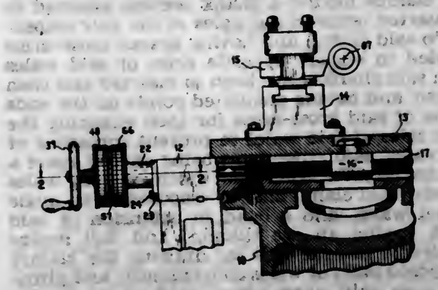
2,572,361

LATHE CROSS-FEED INDICATING DIAL

George W. Luning, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application May 16, 1949, Serial No. 93,553

5 Claims. (Cl. 116—115.5)



1. In a dial indicating mechanism for a lathe having, a carriage, a cross slide, and a cross feed screw rotatably mounted against axial movement on said carriage for actuating said cross slide, a hand wheel fixed to said cross feed screw, an indicating dial fixed to rotate with said hand wheel and cross feed screw, a second indicating dial rotatably journaled on said carriage, and planetary gearing interconnecting said dials including a stationary gear fixed to said carriage, a planetary gear engaging said stationary gear and journaled on said first mentioned indicating dial, an internal gear on said second indicating dial, and gearing actuated from said planetary gear engaging said internal gear, a series of "thousandths" graduations fixed on said first mentioned dial, two series of fixed indicating numerals associated with said "thousandths" graduations, a single series of "inches" graduations and numerals fixed on said second mentioned indicating dial, and a member fixed to said carriage and located intermediate said dials having a zero indication thereon associated with both of said sets of graduations whereby the position of the graduations on said second dial relative to said zero indication shows which series of numerals is in effect on said first mentioned dial.

2,572,362

PROCESS OF MAKING PHOSPHATE GLASS COMPOSITIONS

Alfred A. Markson, Mount Lebanon Township, Allegheny County, Pa., assignor to Calgon Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1949, Serial No. 132,473

4 Claims. (Cl. 252—135)

1. In a process of making a finely divided water-soluble material having as its basic constituents a major proportion of a water-soluble alkali-metal phosphate glass having a molar ratio of alkali-metal oxide to phosphorus pentoxide between about 0.9:1 and about 1.7:1 and a desired compatible water-soluble ingredient, which comprises feeding the phosphate glass and the minor ingredient to a jet of steam transferring them to a gaseous drying zone, whereby the individual particles are first subjected to humidifying conditions and thereafter to drying conditions while gas-borne, so that the surfaces of the individual glass particles are first rendered tacky and coated with the desired ingredient and thereafter rendered essentially non-tacky while retaining the coating of desired ingredient and while agglomeration of the particles into large dense masses is avoided, and then collecting the product as a loose friable, finely divided mass, the improvement comprising the step of controlling the bulk density of the resulting product by controlling the degree of superheat of the steam forming the steam jet.

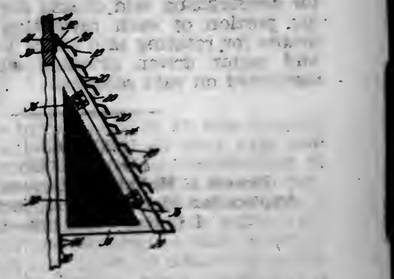
2,572,363

WINDOW AWNING

Julius M. Mayer and George J. Snedden, Kansas City, Mo., assignors to Peerless Products, Inc., Kansas City, Mo., a corporation of Missouri

Application July 12, 1947, Serial No. 760,661

2 Claims. (Cl. 160—183)



2. An awning comprising a pair of parallel side rails adapted to slope outwardly and downwardly from a window frame, a plurality of parallel horizontal slats joining said side rails to form a louvered panel, each of said slats having its lower longitudinal edge portion offset outwardly, the upper longitudinal edge portion of the topmost of said slats being turned downwardly adjacent said window frame to form an inverted V-groove, a mounting bar adapted to be fixed to said window frame, said mounting bar comprising a strip of resilient sheet material having its upper edge portion offset outwardly from said window frame to engage said V-groove, thereby supporting said louvered panel continuously across its width and resiliently urging said topmost slat against said window frame, and a pair of triangular side panels hingedly attached at their forward edges to each of said side rails, and adapted to be removably fixed at their rearward edges to said window frame.

2,572,364

AUTOMATIC GRINDING MACHINE

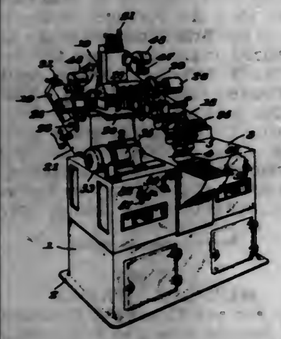
Ralph E. McCoy, New Smyrna Beach, Fla., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 31, 1948, Serial No. 18,106

12 Claims. (Cl. 51—3)

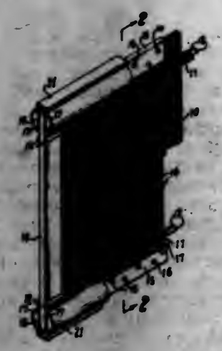
1. An automatic grinding machine including a supporting casing and frame, a rotatable mag-

netic chuck supporting wheel mounted thereon, a plurality of individual magnetic work holding chucks mounted on the periphery of said wheel, grinding wheel supporting columns on said casing and frame at the opposite sides of said chuck supporting wheel, means for continuously energizing said magnetic chucks throughout a major



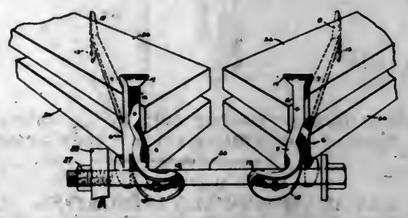
portion of each complete revolution of said chuck supporting wheel, said means including means for deenergizing said chucks during the remaining portion of each revolution of said wheel, means for rotating said chuck supporting wheel, and motor driven grinding wheels adjustably supported on said columns.

2,572,365
LOOM REED
Ernest J. McFetters, Greensboro, N. C.
Application March 8, 1949, Serial No. 80,297
1 Claim. (Cl. 139—192)



A loom reed comprising a plurality of spaced splits and having end bars at each end of the loom reed, a U-shaped member disposed over the ends of the splits and extending throughout the length of the reed, said U-shaped member having its free edges turned outwardly away from each other to provide a channel for reception of the edges of a tubular adapter when slipped thereover, said U-shaped member having a plurality of perforations through its side walls to allow the ingress of solder into the spaces between the splits confined between the walls of the U-shaped member.

2,572,366
CLAMP FOR BUILDING FORMS
Earl Jack McGough, Costa Mesa, Calif.
Application November 19, 1949, Serial No. 128,432
9 Claims. (Cl. 25—131)



4. In clamping mechanism for building forms, in combination with opposed pairs of wales arranged to hold said forms so as to define a corner: clamps individual to each of said pairs, each of said clamps having a shank portion adapted to be inserted between the wales of the pair respective to said clamp, and having spaced cross-arms adapted to engage opposite sides of said wales when said shanks have been so inserted and then rotated, and having angulated points on the ends of one of said cross-arms for then engaging the outer sides of said wales to prevent spreading of said wales, said cross-arms being spaced apart a distance greater than the width of said wales whereby said clamp may be disposed at an angle to said wales, and a head in extension of said shank having an eye therein; and bolt means engageable in said eyes for drawing the clamps of opposed pairs of wales convergently, and pivotally upon said cross-arms; said heads having curved surfaces providing convex seats whereon said bolt means may pivot to assume angular relationship to said clamps varying with the angular relationship of said clamps to said wales.

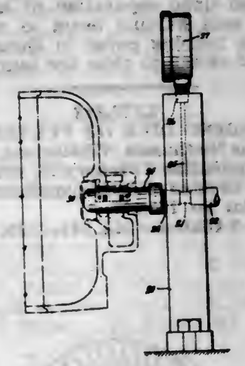
2,572,367
SAFETY RAZOR
William L. Mills, Waco, Tex.
Application March 11, 1946, Serial No. 653,546
3 Claims. (Cl. 30—69)



1. A safety razor comprising front and rear jaws, a post carried by the rear jaw and passing through the front jaw, a handle threaded to said post for holding the jaws in clamping engagement with a blade disposed between the jaws, a guard extending longitudinally of the front jaw in spaced parallel relation to the front edges of the jaws and having arms extending rearwardly from its ends and pivoted to opposite ends of the rear edge of the front jaw, tongues extending forwardly from opposite ends of the front edge of the front jaw for engaging across opposite ends of the guard and limiting movement of the guard towards the jaw, and a spring mounted against the front face of the front jaw and extending longitudinally adjacent the rear edge thereof with its ends projecting from ends of the rear edge of the front jaw and engaging across under faces of

rear ends of the arms of the guard forwardly of the pivots to yieldably hold the guard in engagement with the tongues of the front jaw.

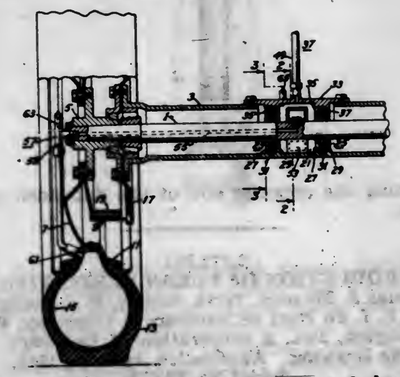
2,572,368
PNEUMATIC GAUGE FOR PLAIN AND TAPERED BORES
William A. Minix, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 24, 1948, Serial No. 23,101
10 Claims. (Cl. 33—178)



1. In a device for testing the size and character of an opening in an object, the combination with a gauge plug insertable into said opening and having a longitudinal recess; a duct in the plug, adapted to have a source of fluid pressure connected thereto and provided with an exhaust port for discharging fluid into the longitudinal recess in the plug; an insert fitting into said recess and slidable therein substantially radially of the plug; equal size, transverse openings in the plug and insert, said openings aligning when the outer edge of the insert is flush with the outer surface of the plug and the inner, opposite surface of the insert substantially closes the exhaust port; a pin extending through the aligned openings, the pin fitting snugly into the openings in the plug and having its portion extending through the opening of the insert, of reduced diameter whereby said insert may move outwardly in the plug, so that its outer edge extends beyond the surface of the plug a predetermined distance and its inner edge is correspondingly spaced from the exhaust port; a spring interposed between the plug and insert yieldably maintaining the insert in its extreme outward position relatively to the plug; and means for indicating existing fluid pressures in the duct.

2. In a device of the character described, the combination with a plug insertable into an opening; said plug having a longitudinal recess; two separate ducts in said plug, each having a source of fluid pressure connected therewith and each having an exhaust port opening into the bottom of said recess, one adjacent its one end and the other near the opposite end of the recess; an insert fitting into the recess and slidable therein toward and away from the bottom of said recess, said insert having provisions at each end for restricting the flow of fluid from the exhaust port adjacent thereto; transverse pins in the plug extending through the insert at each end, said pins limiting the movement of the insert out of the recess of the plug, resilient means between the plug and insert; yieldably maintaining said insert at the extreme outward position as limited by the pins in which position the insert extends a predetermined distance out of the plug and is spaced a predetermined distance from the exhaust ports of the ducts; and means connected to each duct for separately indicating the existing pressures therein.

2,572,369
TIRE GAUGE INSTALLATION
Emery A. Mitchell, Richmond, Calif., assignor of one-fourth to Edward G. Bellamy and one-fourth to John W. Harris, both of Richmond, Calif.
Application August 4, 1947, Serial No. 765,842
3 Claims. (Cl. 73—390)



1. In a vehicle having an axle, an axle housing enclosing said axle, a wheel on said axle and including a pneumatic tire; the combination of means defining a chamber within said axle housing for holding liquid, said means including a pair of partitions encircling said axle within said housing in spaced relationship to each other; a pressure indicator adaptable for mounting on the dashboard of such vehicle; means providing a liquid communication connection between said pressure indicator and said axle housing chamber, said means including a flexible tube coupled at one end to said pressure indicator and at its other end to the axle housing at a point between the positions of said spaced partitions; and means responsive to changes in air pressure in said pneumatic tire for altering the effective volume of said axle housing chamber to correspondingly indicate on said indicator, changes in pressure occurring in said tire, said air pressure change responsive means including an inflatable tube encircling said axle within said chamber and a connection between the valve stem of said tire and said inflatable tube.

2,572,370
SLIDE PERCUSSION TOOL
George J. Moeller, Altadena, Calif., assignor to Anthony Oberholtz, Los Angeles, Calif.
Application March 29, 1947, Serial No. 738,121
5 Claims. (Cl. 81—52.35)

1. A slide percussion tool comprising an elongated stem having a flat-sided flange intermediate its ends, a sleeve member having a flat-sided axial passage for axial movement therein of said flange, an integral abutment for said flange at one end of the sleeve member and defining one end of said flat-sided axial passage, and a collar carried by the end of the sleeve member opposite said abutment and having an

end wall comprising an opposite abutment for said flange, said end wall of said sleeve member

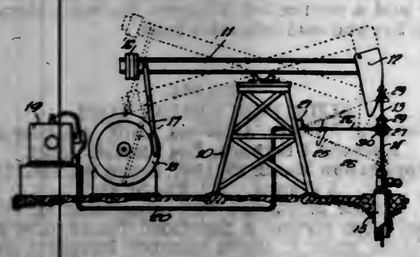


defining the opposite end of the flat-sided passage.

2,572,371
PRODUCTION OF FURAN DERIVATIVE
Thomas J. Meeney, Perth Amboy, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 21, 1948, Serial No. 22,512
1 Claim. (Cl. 260—345)

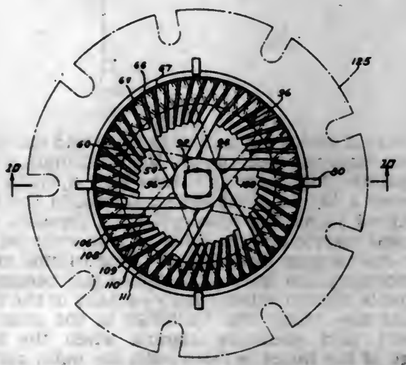
A process for the production of a furan ammonia Mannich base which comprises reacting, at a temperature of 32° C. to 35° C., about 0.5 mole of furan with an aqueous solution of formaldehyde containing about 1.0 mole of formaldehyde and about 1.5 moles of ammonium chloride, after completion of the reaction agitating the mixture for about one hour, diluting the mixture with distilled water, neutralizing the product with a 7% ammonium hydroxide solution, and filtering the furan ammonia Mannich base from the reaction mixture.

2,572,372
POWER CONTROL SWITCH FOR PUMPING WELLS
James T. Montgomery, Overton, Tex.
Application September 15, 1945, Serial No. 616,611
2 Claims. (Cl. 192—116.5)



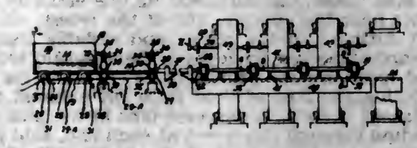
1. In emergency control equipment for well pumping apparatus, a string of rods suspended in a well, a pivoted walking beam for reciprocating said string of rods, a rod clamp connecting said string of rods to a collar on said rod string in juxtaposition to said rod clamp, a bifurcated plate held frictionally between said rod clamp and said collar under the weight of said string of rods thereon, an engine for operating said walking beam having an ignition system, a battery and a battery circuit in said ignition system, a normally open switch in said battery circuit adapted, in closed position, to render said ignition circuit ineffective to operate said engine, a housing for said switch having a hinged cover, spring biasing means forming a connection between said bifurcated plate and said switch housing cover tending to pull said plate from its frictional engagement between said rod clamp and collar and adapted upon separation of said string of rods from said walking beam to recoil against said switch housing cover to thrust the latter against said switch to close the same.

2,572,373
GRINDING DISK OR PULVERIZER
Julius Niethamer, Whitestone, N. Y.
Original application February 28, 1946, Serial No. 650,890. Divided and this application June 20, 1949, Serial No. 100,197
3 Claims. (Cl. 241—260)



1. In a pulverizer, a pair of substantially disk-shaped pulverizing members coaxially disposed with working faces adjacent one another, one of said members having a plurality of upstanding teeth thereon, the other of said members comprising spaced inner and outer rings of rigid material and a plurality of rigid teeth integral with said rings and extending spoke-like therebetween, the outer ring having a plurality of slots in the working face thereof, said slots tapering inwardly from adjacent the periphery of the ring and being spaced from one another to define divergent teeth therebetween.

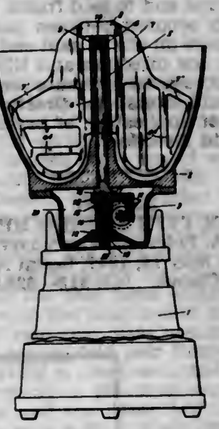
2,572,374
MACHINE FOR SANDING BROOM HANDLES
Carl B. Oas, Girard, Pa., and Charles H. Leonard, Silverton, Oreg.
Application May 11, 1949, Serial No. 92,704
1 Claim. (Cl. 51—139)



A sanding machine for round, straight broom handles having in combination a set of V-shaped

feed rolls in which the rough turned handles may be fed longitudinally, a guide tube into which handle blanks may be fed by said feed rolls, a plurality of V-shaped trough members disposed in alignment with said guide tube and feed rolls and spaced from each other and from said guide tube, a sand belt intersecting each of said troughs adapted to engage the surface of a handle passing therethrough, a driving unit between each pair of troughs having an opening therethrough, through which a handle may freely pass, means for rotating each of said units, a pair of grooved rollers mounted on each driving unit, each of said rollers having means for urging same toward the center of said unit, a longitudinal movement of said handle being provided by the initial feed rolls and the rotation of said handles through said machine being produced by the rotation of said driving units.

2,572,375
MIXING ATTACHMENT FOR HIGH-SPEED MACHINES FOR PULPING FOODSTUFFS, ETC.
Traugott Oertli, Zurich, Switzerland
Application July 26, 1947, Serial No. 763,945
In Switzerland January 23, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires January 23, 1966
1 Claim. (Cl. 259—108)



A whipping and agitating unit for attachment to a high-speed driving base, said unit comprising a bowl-like receptacle having an annularly channeled bottom wall and an upstanding centrally arranged tubular guide shaft integral therewith and terminating at its upper end substantially in the plane of the upper edge of the receptacle, the upper face of the bottom wall being arcuate in cross section and merging into the tubular shaft guide, the passage in the shaft guide extending through said bottom wall, a driving axle freely journaled in said tubular guide with the upper end of the axle extending above said guide and the lower end thereof extending below the bottom wall of the receptacle, an agitator element having a cross bridge at its upper end interfittingly engaged with the upper end of the driving axle and disposed above the upper edge of the bowl, said agitator element having paddle portions depending from the cross bridge into the receptacle with the lower ends of the paddle portions conforming with the arcuate bottom wall of the receptacle and in close proximity thereto, a housing attached to the bottom of the receptacle and speed reduction gearing in the housing forming communication between the axle and driving base.

2,572,376
VELOCITY TYPE MICROPHONE
Harry F. Olson, Princeton, and John Preston, Metedeconk, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 28, 1948, Serial No. 29,844
7 Claims. (Cl. 179—115.5)



1. In an electro-acoustical device including means for producing a magnetic field, a vibratile element mounted for movement in said magnetic field, perforate plate means disposed in parallel, spaced relation to and on opposite sides of said vibratile element to provide a resonance chamber in which said element is immersed, and means whereby said means produces a standing wave system in said resonance chamber.

2,572,377
BIMETALLIC BACKING FOR ARTIFICIAL TEETH
Ross E. O'Morrow, Columbus, Ohio, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application December 6, 1949, Serial No. 131,351
14 Claims. (Cl. 32—9)



1. A laminated color-modifying metallic backing for the mounting of artificial tooth facings, comprising two permanently bonded layers of alloyed noble metals, one layer having a predominantly gold coloration and being composed of said metals in substantially the following proportions stated by weight:

Gold, ranging in amounts from 47% to 75%
Silver, ranging in amounts from 18% to 45%
Platinum, ranging in amounts from 1% to 8%

the other of said layers, predominantly white in coloration, being composed of the following metals in substantially the following proportions stated by weight:

Gold, ranging in amounts from 20% to 30%
Silver, ranging in amounts from 18% to 47%
Palladium, ranging in amounts from 20% to 30%
Platinum, ranging in amounts from .5% to 8%

2,572,378
NUTCRACKER AND ICE CRUSHER
Milton Paul, Great Neck, N. Y.
Application December 16, 1949, Serial No. 132,237
3 Claims. (Cl. 146—16)



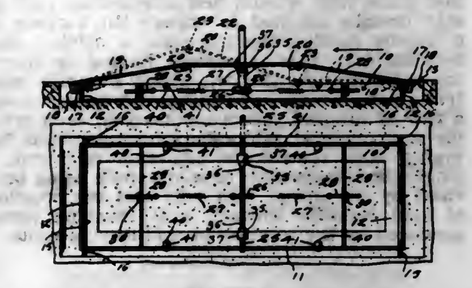
1. Nut cracking means for use with a fruit squeezer comprising a stem with a platform thereon and a handle pivoted on said stem, said platform having an open center and including a rear extension, said means including a magnetized ram of cup shape, the ram having an arm pivoted on said handle, link means connecting said arm and said extension, a nut tray having a disc supported on said platform, said disc having a depending center portion with an aperture in said open center, a deep annular ring rising from the outer margin of said disc, a nut cracker member having a metallic head attractable in the cup of said ram, said head having thereon prongs for engaging nuts, the latter being placeable on said disc, and a stem projecting from said head and movably disposed in said aperture.

2,572,379
PORTABLE FOUNTAIN
Rubee Jeffery Pearse, Raleigh, N. C.
Application August 22, 1945, Serial No. 612,057
3 Claims. (Cl. 299—4)



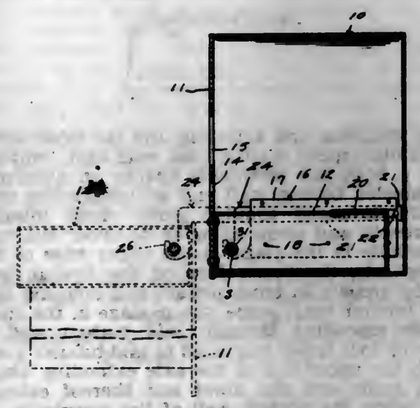
1. A portable illuminating fountain including a concentrically disposed outer water container basin and a water tight compartment disposed centrally of said basin, a funnel shaped compartment on said water-tight compartment having its annular wall extending parallel with the wall of said basin, a funnel shaped reflector supported within said funnel-shaped compartment and concentric therewith and having its reflecting surface on the inside, said funnel-shaped compartment comprising a shield for said reflector, a pressure tank arranged within said water-tight compartment in spaced relation therewith, a water-tight compartment between said centrally disposed water-tight compartment and the side wall of said basin, spray-heads connected with said pressure tank, a motor driven pump in said last mentioned water-tight compartment having connection with said pressure tank and said basin, and means within the reflector for illuminating said fountain when the spray is in operation.

2,572,380
MECHANICAL PRESSURE OPERATED ACTUATING DEVICE
Ralph W. Peters, Hollywood, Calif.
Application September 6, 1950, Serial No. 183,450
1 Claim. (Cl. 74—469)



In a device of the character described a frame, an operating rod extending transversely across said frame, levers extending from said rod, springs means associated with said rod manually biasing said levers to upright position, additional transverse rods extending across the ends of said frame and outwardly thereof, each of said plates having slotted side flanges, the ends of said additional transverse rods engaging in the slots of said flanges to pivotally secure said end plates at one end to said frame, and a center plate pivotally secured between said end plates whereby pressure on one of said end plates biases said levers in one direction and tilts said center plate, and subsequent pressure on said center plate moves said levers in a direction opposite to the direction of application of pressure to rotate said rod in said direction.

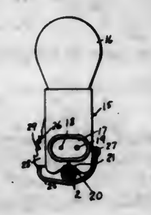
2,572,381
FLUSH TYPE SLIDING HINGE
Chester A. Peterson, Vancouver, Wash.
Application May 13, 1947, Serial No. 747,652
2 Claims. (Cl. 312—323)



2. In a cabinet having an open front, of a pair of oppositely disposed longitudinally grooved guide members fixed on inner side walls of the cabinet, an elongated arm slidably carried by the groove of each guide member, said arms having dependent ends formed at right angles and extendable relative to said guides, said dependent ends having forwardly extending and upwardly

opening hooks, a base member slidable within the cabinet, said base member being formed with a vertical front wall disposed forwardly of said dependent ends, oppositely disposed transverse pivot members carried by said base and engageable in said hooks, said transverse pivot members being disposed rearwardly of said front wall and upwardly from the bottom of said base member, said vertical front being engageable with the rear edges of said right angled ends of the arms after withdrawal of said base from the cabinet and pivotal movement of 180 degrees for suspendingly securing said base in an inverted position from said hooks.

2,572,382
CHRISTMAS TREE LIGHTING BULB SOCKET SUPPORT
Howard B. Peterson, San Francisco, Calif.
Application March 31, 1947, Serial No. 738,398
1 Claim. (Cl. 240—10)



In a Christmas tree lighting system of the character described, an electric light bulb socket member comprising a body formed with outwardly opening sockets directed at substantially right angles to each other one of which is adapted to removably receive the base of an electric light bulb therein and the other being formed to receive an electrical connector plug, means carried by said body at the side thereof opposite said lamp socket for detachably securing said body on the outer end of the limb of a Christmas tree with the said lamp socket directed upwardly and with the plug socket directed toward the trunk of said tree, said means being a pair of jaws, one jaw of said pair formed on the said body and having a cross sectional contour generally conforming to the cross sectional contour of said limb, and the other jaw being provided at one of its ends with a pivot for rotatably securing said other jaw to said body for swinging in a plane transversely of said limb toward and away from the jaw on said body for engaging the side of a limb opposite that adapted to be received in said one jaw, means for releasably connecting the opposite end of said other jaw to said body at different points for adapting said jaws to various diameter limbs.

2,572,383
CLOSURE
Percy L. Porter, Los Angeles, Calif.
Application July 26, 1948, Serial No. 40,663
4 Claims. (Cl. 215—32)

1. A closure for sealing a container having a bead circumscribing the opening therein, comprising: a stopper element; a force-receiving head adapted to receive a force applied by the hand of a user in forcibly inserting said stopper element into said opening; a pin-like means joining said head to said stopper element; a plate having a slot longitudinally formed therein; said pin-like means passing through said slot to mount said plate for sliding movement to said closure; and downwardly extending bead-engaging lugs carried at opposite edges of said plate adjacent one end thereof, said plate being movable to a position in which said bead-engaging lugs are not engageable with said bead to permit said element to be inserted into the opening and thereafter movable to a second position in which said bead engaging lugs interlockingly engage with said bead to retain said stopper element in said opening.



2,572,384
STRAP-END RETAINING DEVICE
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Union, N. J.
Application July 1, 1947, Serial No. 758,279
3 Claims. (Cl. 24—182)

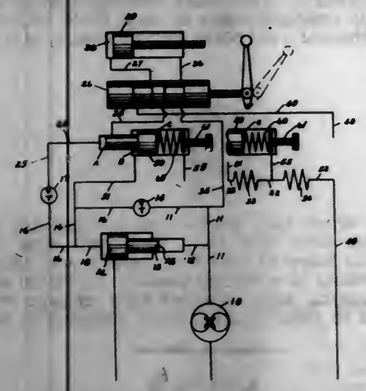


1. A slide for holding the loose end of one section of a bracelet that extends through a buckle, the buckle being attached to another section of the bracelet, said slide comprising a pair of generally rectangular loops adapted to receive the overlapped sections of the bracelet, each loop having bottom, top, and side bars defining the opening of the loop, the loops being held in spaced relation with their openings in alignment by a connecting strip attached at its ends to the bottom bars of the loops, and a leaf spring attached to the slide toward one end thereof and extending along the top of the connecting strip and having its other and free end reaching into the loop at the other end of the slide, the leaf spring curving upward away from the connecting strip toward its free end, so that its free end, in the unstressed condition of the spring, is spaced from the top bar of said loop at said other end of the slide a distance less than the combined thickness of the two bracelet sections.

2,572,385
SPEED CONTROL FOR HYDRAULIC SYSTEMS WITH COMPENSATION FOR VISCOSITY CHANGES
Ralph E. Price, Highfield, Md., assignor to Landis Tool Company, Waynesboro, Pa.
Application January 29, 1948, Serial No. 4,967
5 Claims. (Cl. 60—53)

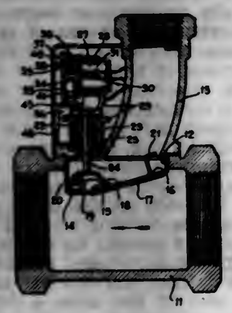
3. A hydraulic system comprising a source of fluid under pressure, a pressure operated relief valve, a valve for regulating the operating pressure in the system, a hydraulically operated mechanism, a speed control valve for said mechanism having a smaller orifice than said pressure regulating valve, and means for compensating for the difference in effect on said valves of changes in viscosity which consists in means for

changing the pressure required to cause fluid to flow from said speed control valve to said hy-



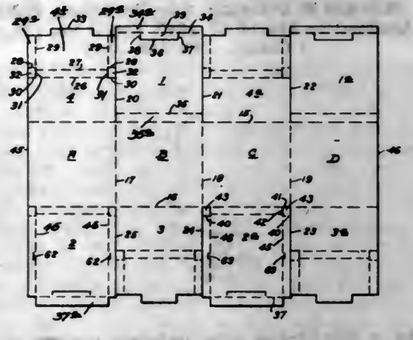
draulically operated mechanism in accordance with change in the pressure of said fluid between said regulating valve and said speed control valve.

2,572,286
THERMAL VALVE OPERATOR
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application July 24, 1946, Serial No. 685,941
5 Claims. (Cl. 137—139)



1. In a thermal valve-operator: a valve casing; valve means within said casing for controlling fluid flow therethrough; an expansible-contractible bellows sealingly mounted by its mouth on the exterior of the casing and covering an opening therethrough; means extending from the head of said bellows through said opening for operating said valve means; means at the exterior of the casing defining, with the exterior of said bellows, a pressure chamber containing thermally-expansible fluid; electrical means for heating said fluid to effect movement of said valve-operating means inwardly of the casing; means limiting said inward movement of the valve-operating means; a flexible diaphragm sealingly covering an opening through said chamber-defining means; a circuit for energizing said heating means; electrical resistance means for reducing flow of current in said circuit; and switching means for controlling said circuit mounted on the exterior of the chamber-defining means and actuated by flexure of said diaphragm, under the pressure of the fluid in the chamber, when the valve-operating means is in its limited position; said switching means acting, in response to rise of pressure in the chamber due to the positioning of said valve in its limiting position, to render said resistance means effective in said circuit and thereby reduce the amount of energy produced by the heating means.

2,572,287
CONTAINER
Alden G. Rayburn, Sausalito, Calif.
Application May 21, 1946, Serial No. 671,297
1 Claim. (Cl. 229—16)

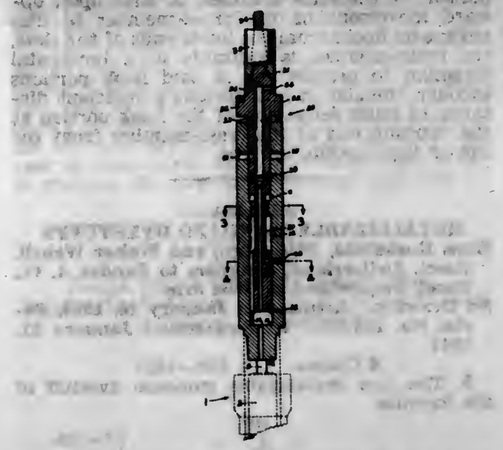


In a carton having spaced apart inner and outer side walls and inner and outer spaced apart bottom walls; a pair of cover members each covering substantially one half of the open end of the carton, said cover members being substantially identical and each comprising an outer flap connected by a hinge to an adjacent one of said outer side walls so as to fold partially over said open end, said cover member having a pair of transverse score lines formed thereon parallel to said hinge and about midway of its length to permit each cover member to be folded on said score lines to form an intermediate spacer strip and an inner flap parallel to said outer flap; and a tab extending from the free end of said inner flap toward said hinge when said cover member is closed; the adjacent inner side wall having a slot formed therein parallel to and below the top thereof a distance about equal to the width of said spacer strip to receive said tab and to support the inner flap on said adjacent inner side wall spaced from and parallel to the outer flap when the cover member is closed.

2,572,288
SAFETY JOINT FOR WELL SWABS
James E. Redpath, Oklahoma City, Okla.
Application January 13, 1949, Serial No. 70,668
6 Claims. (Cl. 103—202)

1. An overload safety device for well tools, including: a body which is tubular throughout its length, said body having lateral ports extending outwardly from its bore, and the lower end of said body adapted to be attached to the upper end of a tubular well tool to form a continuation thereof; a tubular plunger-type valve member slidable in said bore to open and close said ports; a valve seat in the bore of said member; a downwardly closing valve for seating upon said

seat; shear pin means for holding said member in position to close said ports; and means for at-



taching the upper end of said member to a lifting line.

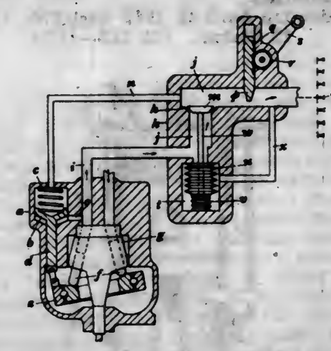
2,572,289
MAGNIFIER FOR PULSE BEAT INDICATORS
Wendell C. Rice, Coulee Dam, Wash.
Application June 11, 1948, Serial No. 32,349
3 Claims. (Cl. 128—2.05)



1. A magnifier for pulse beat indicators comprising a body engaging tip, a stem pivotally mounted on said tip near it's body engaging end and a tubular extension on said tip surrounding said stem and spaced therefrom whereby the pulse action will cause a magnified rocking motion of said extension with relation to said stem.

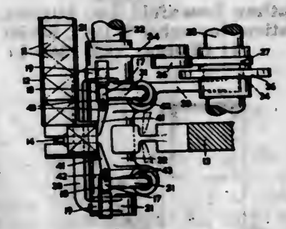
2,572,290
FLUID-OPERATED SERVO MECHANISM
Joseph John Righton, Birmingham, England, assignor to Joseph Lucas Limited, Birmingham, England
Application March 14, 1950, Serial No. 149,495
In Great Britain March 23, 1949
4 Claims. (Cl. 121—38)

1. Mechanism comprising the combination with a servo-cylinder, a servo-piston slidable in the cylinder under fluid pressure, and a loading spring whereby the piston is movable in one direction, of a duct through which fluid under pressure can flow, a valve arranged in said duct to create a pressure difference in the fluid flowing therethrough, a passage for conducting pressure fluid from the duct at the outlet side of the



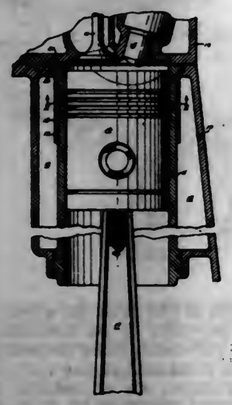
valve to the end of the cylinder away from which the piston is movable by its loading spring, another passage for conducting pressure fluid from the duct at the inlet side of the valve to the other end of the cylinder, an adjustable throttle arranged to control the flow of fluid through the duct at the outlet side of the valve, and means responsive to the pressure difference across the throttle for actuating the valve.

2,572,291
MECHANISM FOR TRANSFERRING ARTICLES AND WRAPPERS TO TURRETS
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application May 1, 1947, Serial No. 745,277
In Great Britain May 16, 1946
6 Claims. (Cl. 93—7)



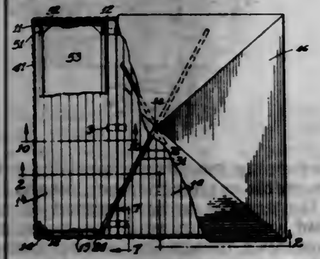
1. A wrapping machine comprising a feed support, a movable carrier member, means for transferring the articles to be wrapped in succession from said support to separate pockets in said carrier member, means for feeding wrappers successively across the mouths of said pockets so that the wrappers are carried forward with the articles into said pockets, and a movable abutment comprising an article-engaging tip between which and said transferring means the articles and wrappers are gripped as they are transferred, a body portion and an intermediate portion of rubber or like material connecting the end of said tip opposite to the article-engaging portion thereof to the body portion, said end being remote from the article-engaging portion so that the tip constitutes a resilient arm.

2,572,292
ENGINE COOLING, CYLINDER JACKET, AND HEAD CONSTRUCTION
Carl G. A. Rosen, Peoria, Carl R. Maxwell, Washington, Carl H. Paul, Peoria Heights, and Ralph J. Furnham, Peoria, Ill., assignors to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application April 23, 1947, Serial No. 743,336
12 Claims. (Cl. 123—41.79)



5. In an internal combustion engine including a cylinder liner, a reciprocable piston therein and means for maintaining a coolant adjacent the outside of the liner, means for reducing corrosion in the upper area of the liner comprising a skirt-like shroud secured relative to the upper outer portion of the cylinder liner and extending downwardly in spaced encircling relation thereto to provide an annular space for the reception of coolant protected from circulation and thereby to maintain the upper area of the liner at a relatively high temperature during engine operation.

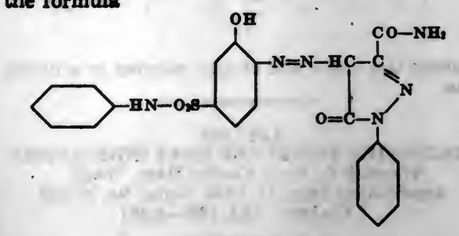
2,572,293
TENT
Nathan Rosenfeld, Los Angeles, Calif.
Application November 7, 1945, Serial No. 627,122
11 Claims. (Cl. 135—1)



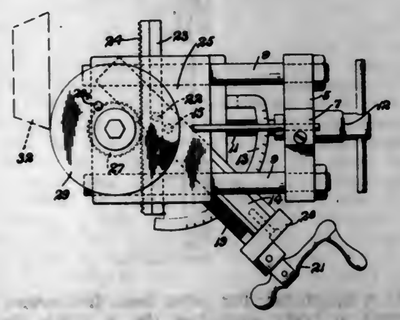
11. In a tent, a frame comprising a pair of uprights having vertical slots at their adjacent sides, and a rigid cross-member having hook portions at its ends adapted to extend into said vertical slots and to straddle the portions of the uprights below the slots, each of the hook portions having a slot extending upwardly from its lower edge for receiving the portion of the upright below the vertical slot through which the respective hook portion extends, the internal width of each of the uprights being equal to at least twice the width of the portion of the hook disposed outwardly from the slot of each hook portion of the cross-member, so that upon upward movement of the cross-member to disengage its hooks from the lower ends of the slots, the cross-member is shiftable in a horizontal direction to project one of said hook portions through the slot in one upright a sufficient distance to cause retraction of the hook portion at the opposite end of the cross-member from the slot of the opposite upright.

2,572,294
METALLIZABLE MONOAZO DYESTUFFS
Hans Ruckstuhl, Otto Senn, and Walter Wehrli, Basel, Switzerland, assignors to Sandoz A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application January 16, 1950, Serial No. 138,932. In Switzerland January 21, 1949
6 Claims. (Cl. 260—162)

5. The new metallizable monoazo dyestuff of the formula



2,572,295
CAM MAKING FIXTURE
Leonard H. Savage, Grandville, Mich., assignor to Joseph P. Van Blooys, Grand Rapids, Mich.
Application June 16, 1947, Serial No. 754,838
2 Claims. (Cl. 90—11)



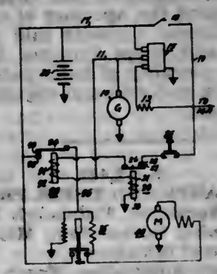
1. In a structure as described, lower horizontal carrying and guiding means, a table movably mounted thereon, means for adjusting said table to different fixed adjusted positions, an elongated bar member, a stud pivotally mounting said bar on and above the table for adjustability about a vertical axis located between the ends of the bar, means to secure said bar in adjusted position, an upper horizontal carrying and guiding means located in fixed position above the lower carrying and guiding means, a carrier slidably mounted thereon and having a downwardly facing slot extending transverse to said sliding movement, a vertical shaft rotatably mounted on the carrier, a gear fixed to said shaft, a support above said gear and rotatable with said shaft, said bar having track means extending lengthwise thereof, block means mounted on said bar and movable lengthwise thereof along said track, a rack bar meshing with said gear and mounted for sliding movement in the slot of said carrier, a vertical pin extending upwardly from said block means in spaced relation to the vertical axis of said stud and into said bar, manually operated means for sliding said block means lengthwise of the bar, whereby said vertical pin will move said rack to rotate said shaft and move said carrier to displace the axis of rotation of said shaft.

2,572,296
SWITCH
Joseph Bailey Shockley, Detroit, Mich.
Application February 27, 1951, Serial No. 212,943
5 Claims. (Cl. 200—33)



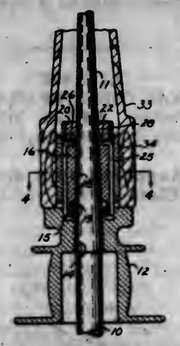
1. In a delayed action switch, a frame structure, a pivot, a tumbler arm pivoted thereon for swingable movement to "off" and "on" positions, a tumbler manually slidable on said arm toward said pivot, a conductor carried by said tumbler, a pair of spaced contacts positioned for circuit-closing by said conductor when said tumbler is swung to its "on" position, a pair of contacts positioned to close a circuit through said conductor when swung to both its "on" and "off" positions when said tumbler is moved toward said pivot, and biasing means for returning said tumbler to its forward position removed from said pivot following its manual rearward movement towards said pivot.

2,572,297
ENGINE STARTER CONTROL SYSTEM
Brooks H. Short, Anderson, and John W. Dyer, Pendleton, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 30, 1946, Serial No. 706,618
1 Claim. (Cl. 290—36)



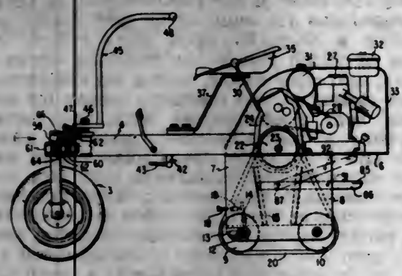
An engine starter control system comprising a generator having a field winding, a storage battery charged by the generator, a device for cranking the engine, a switch for connecting the generator field winding with the battery in order that the generator will be initially separately excited, a cutout relay for connecting the generator with the battery when generator voltage attains a certain value whereby the generator becomes self-exciting at cut-in speed, said relay disconnecting the generator from the battery when generator voltage falls below battery voltage in consequence of which the generator returns to separately excited status, means for causing operation of the engine cranking device, and apparatus for controlling said means and including a normally open relay switch, the closing of which causes the cranking device to operate, said relay switch having an electromagnet for closing it, and including means for connecting said electromagnet with the battery comprising a normally open, manually closed switch and a normally closed relay switch having an electromagnet sensitive to generator voltage for opening it, said second relay switch being so constructed as to remain closed at a generator speed corresponding to maximum cranking speed and to open above maximum cranking speed and below cut-in speed and to reclose at a speed substantially below engine minimum idling speed, and including a short-circuit of the first mentioned electromagnet provided by the closing of the cutout relay whereby cranking ceases at least when the cutout relay closes regardless of failure of the second relay switch to open.

2,572,298
BOBBIN CLUTCH
Howard A. Simmons, Milford, Mass., assignor of one-half to James Read Kimball, Hopedale, Mass.
Application October 5, 1949, Serial No. 119,671
4 Claims. (Cl. 242—46.4)



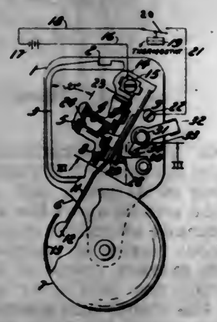
1. A bobbin clutch comprising an upright spindle, a whirl mounted on the spindle and having an opening in its upper end, a clutch body mounted on the spindle above the whirl and having a longitudinally extending groove in its outer surface, the body having an opening in its upper portion which extends inwardly in a generally radial direction, the said body opening being aligned with the groove and spaced downwardly from the upper end of the body, and a vertically elongated and outwardly bowed spring located in the groove and having an upper portion which extends inwardly into the body opening to prevent appreciable vertical movement of the upper end of the spring, the lower end of the spring extending into the said whirl opening while free to move downwardly therein as the spring is straightened by the placing of a bobbin on the clutch body, the clutch body engaging both the upper and the lower portions of the spring to resist the inward pressure of the bobbin against the spring.

2,572,399
GARDEN TRACTOR
Max Shlevsky, Moline, and Ira D. Maxon, Highland Park, Ill.
Application May 13, 1946, Serial No. 669,368
12 Claims. (Cl. 180—9.1)



5. An agricultural tractor having a body which includes an elevated platform and two pendant sides spaced apart an amount sufficient to clear row crop plants with the horizontal platform spaced above the ground to permit vertical clearance of the same plants, said pendant sides together with the platform and together with the ground forming substantially a tunnel, crawler type ground-engaging tractions means on the respective pendant sides, driving motor means on the platform, and driving connections between the motor means and the traction means, the center of the driving motor means being located rearwardly of the foremost ground-engaging portions of the traction means whereby the entire weight of the motor means is carried by the traction means.

2,572,400
SIGNAL CIRCUIT CUTOUT
Charles W. Slocum, Adrian, Mich., assignor to Sperti Faraday Inc., Adrian, Mich., a corporation of Ohio
Application August 11, 1948, Serial No. 43,733
2 Claims. (Cl. 177—7)



2. For an electric bell base, a pair of parallel electric coils thereon, a pole in each coil, a leaf spring conductively anchored to the base and extending toward the poles, an armature mounted on the spring to extend between and in proximity to the poles, but normally spaced therefrom and held clear of the base by the action of said spring mounting therefor, an in-circuit contact from the base carried by the spring, a relatively fixed complementary contact in circuit from the coils providing with the in-circuit contact a normally closed first switch, a circuit from the base and coils, and a control additional switch in said circuit closeable for energizing the coils and thereby normally causing the first switch to operate as a breaker to ring the bell, a lever electrically and magnetically independent of said circuit, said lever being in a plane from an eyelet mounting in the base adjacent the coil and normally clear of the armature and its contact, and said lever having an arm with an integral free end offset one way from the plane, said lever having another arm extending beyond the base to provide an operating handle for the offset to be responsive to swinging of the lever to thrust the in-circuit contact away from the complementary contact, thereby, independent of any in-circuit relation, rendering the control additional switch closing ineffective to operate the bell.

2,572,401
SEALED CHANNEL PROTECTOR FOR BLIND NUTS
Floyd E. Snow, Pasadena, Calif., assignor to Technical Coatings, Inc., Los Angeles, Calif., a corporation of California
Application August 30, 1947, Serial No. 771,507
1 Claim. (Cl. 220—55)



In combination: a structure having an apertured wall; a closure for said structure on one side of said wall having edges overlying the edges of the aperture of said wall; and a self-contained fastening device enabling said closure to be secured to said wall, comprising: a plurality of elongate strips of channel configuration forming a continuous recess opening in one side of the strips, said strips each having a pair of outwardly directed flanges adjacent said open side, said strips each forming a pair of opposed imperforate side portions respectively having a series of longitudinally spaced indentations; a plurality of nuts received in said strips between said indentations; cover plates for the open sides of said strips, and secured thereto, said cover plates having a series of longitudinally spaced apertures; means securing said cover plates and said strips around the aperture of said wall and on the side thereof opposite said closure, said cover plates and strips forming a continuous frame; and a plurality of bolts passing through said closure and said wall and engaging said nuts in said channels.

2,572,402
ORGANO SILANES AND THEIR PRODUCTION
John Leopold Speier, Jr., Pittsburgh, Pa., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application March 17, 1948, Serial No. 15,491
2 Claims. (Cl. 260—448.2)

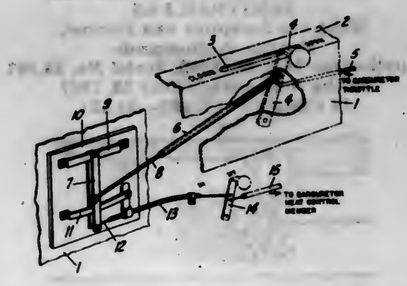
1. The method of preparing compounds of the type $(CH_3)_3SiCH_2OR$ in which R represents an alkyl radical which comprises interacting chlorotrimethylsilane, a chloromethyl alkyl ether and sodium by contacting the reagents in liquid phase with metallic sodium.

2,572,403
COAL MINING MACHINE
Merlin R. Stevenson, Craig, Colo.
Application October 25, 1948, Serial No. 56,459
5 Claims. (Cl. 262—9)



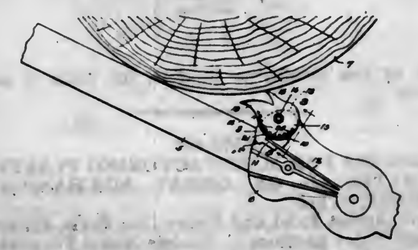
1. A boring head for coal cutting machines comprising: a shaft housing; a stub shaft rotatably mounted in said shaft housing; a spirally inclined breaking blade fixedly mounted on the forward face of said housing the outer edge of said blade extending spirally rearward; an endless coal cutting chain positioned at the entering edge of said blade so as to cut a slot for the blade to enter; a tubular shaft connected to and supporting said housing; and a chain sprocket on said stub shaft supporting said chain.

2,572,404
CARBURETOR HEAT CONTROL
Alvin E. Steltenberg, Walcott, Iowa
Application February 20, 1948, Serial No. 9,859
1 Claim. (Cl. 74—480)



In an airplane having a cockpit wall, separate pivotally mounted carburetor heat supply and throttle control levers carried by said cockpit wall, the latter having means for limiting the throttle control lever to movement between its engine idling and its full throttle positions, said heat supply and throttle control levers being movable in parallel planes and in opposite directions to their "heat on" and "full throttle" positions, respectively, and likewise, of course, to their "heat off" and "engine idling" positions, respectively; the combination of telescoping sleeve and rod members, the bore of the sleeve member being closed adjacent its outer end, means pivoting the outer end of one of said sleeve and rod members to said throttle lever, a link pivoted at one end to said heat supply control lever and extending in the same direction as said telescoping rod and sleeve members, a swingable movement-transmitting lever pivoted adjacent one end to said cockpit wall, means pivoting said link to said movement transmitting lever adjacent its other end, means pivotally connecting the outer end of the other of said rod and sleeve members to said movement transmitting lever inwardly of said link pivot, and the inner end of said rod being spaced from the closed outer end of the sleeve bore when the throttle lever is in full throttle position, the length of said rod and sleeve bore being such that the inner end of the former will engage the outer end of the latter as the throttle lever approaches idling position, whereby said motion transmitting lever is actuated to swing the heat control lever from its "heat off" position to its "heat on" position.

2,572,405
TURRET-MOUNTED CHAIN-SAW HOLDING CLAW
Albert F. Stone and Ernest A. Hayden, Callahan, Calif.
Application May 25, 1948, Serial No. 29,106
3 Claims. (Cl. 142—157)

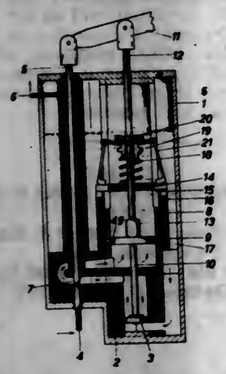


1. A holding claw attachment for a chain saw having a bumper shoe, comprising a base plate having a smooth flat top face, said base plate being proportioned to interlock separably with said bumper shoe; means extending from the bottom face of said base plate and spacing the base plate from and in parallelism with said bumper shoe; a bolt connecting the base plate and bumper shoe in said interlocked parallel relationship of the shoe and base plate; a claw member rotatably mounted upon said bolt and overlying the flat upper face of the base plate, said claw member rotatably adjustable over said upper face, said claw member including a generally rounded body and a pair of large holding teeth extending from and integral with a segment of the periphery of said body, said periphery being otherwise free of holding teeth and said teeth projecting a substantial distance beyond said periphery; and means inter-engaging said body and said base plate against relative movement in either direction from positions to which the claw member is rotatably adjusted upon the base plate.

2,572,406
HIGH-VOLTAGE OIL CIRCUIT BREAKER
Charles Stulz, Strasbourg, France
Application September 2, 1948, Serial No. 47,386
4 Claims. (Cl. 200—150)

1. An arc extinguishing device comprising a casing containing an insulating fluid, a cylinder in said casing, upper and lower differential pistons in said cylinder, a common piston rod connecting said pistons, said cylinder having passages placing opposite sides of said pistons in communication with said casing, valve means operated by said piston rod for controlling said passages and including a sleeve valve slidable about said cylinder, and cooperating electrical contacts in one of said passages, one of said contacts being movable with said piston rod to cause

a gasifying spark generating gases and resulting in movement of said pistons in one direction and

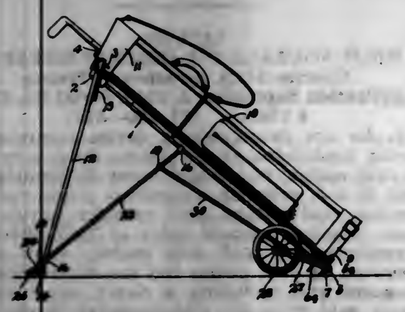


flow of the insulating fluid in the path of said spark.

2,572,407
PROCESS FOR MANUFACTURING PLASTIC MATERIAL OF GREAT MECHANICAL STRENGTH
Pierre Alfred Talet and Pierre Cor, Paris, France; said Talet assignor to Societe Nobel Francaise, Paris, France, a joint-stock company of France
No Drawing. Application February 18, 1948, Serial No. 8,343. In France November 30, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 30, 1965
1 Claim. (Cl. 154—99)

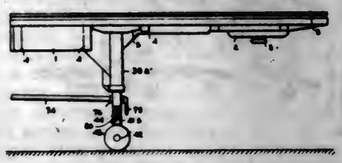
A process for manufacturing a rigid plastic material of limited flexibility which comprises degreasing a glass fibre, treating said glass fibre with acidulated water having a pH of approximately 5 to 6, impregnating the glass fibre with a solution of polyvinyl alcohol, forming the glass fibre into a sheet, coating the sheet with an additional quantity of said solution of polyvinyl alcohol until said sheet contains 25 to 60% by weight of said alcohol, and immersing said sheet into a mixture of 100 parts of 40% formol and 50 parts of 66° Baumé sulfuric acid to convert the alcohol substantially completely into the acetal.

2,572,408
FOLDABLE GOLF BAG SUPPORT
Samuel Vanden Heek, Grand Rapids, Mich.
Application October 24, 1949, Serial No. 123,259
6 Claims. (Cl. 280—36)



1. In a structure as described, an elongated bar, a fixture of generally semi-circular arc-shape secured at the upper end of the bar, means mounted on said fixture adapted to connect with the upper open end of a golf bag, a second fixture at the lower end of the bar secured thereto, means connected with said second fixture for releasably securing a golf bag at its lower end, two supporting bars movably connected at their upper ends to said first fixture at a spaced distance from each other, one at each side of the first mentioned bar, and adapted for outward and inward pivotal movement away from and toward said first mentioned bar and for outward swinging movement with respect to each other, two additional bars between the lower end portions of said supporting bars, each pivotally connected at its outer end to a supporting bar, a further additional bar pivotally connected at one end to the first mentioned bar between the ends thereof, a short member to opposite ends of which the other ends of said additional bars are pivotally connected said further additional bar adjacent its free end having a bearing through which said short member passes and within which said short member has a limited turning movement about its longitudinal axis, and a coiled tension spring connected at one end to each of the supporting bars and at the other end to said upper fixture adjacent the ends of said fixture, said springs normally acting to fold the supporting bar, additional bars and further additional bar into positions generally parallel to the first bar.

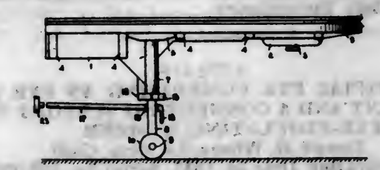
2,572,409
SUPPORTING MECHANISM FOR SEMITRAILERS
Hubertus Josephus van Doorne, Deurne, Netherlands
Application May 24, 1948, Serial No. 28,947
In the Netherlands May 28, 1947
14 Claims. (Cl. 280—33.05)



6. In a tractor and semi-trailer having a fluid differential pressure brake control system with coupling means to connect and disconnect said system between said tractor and said semi-trailer, said trailer being provided with a front end having a retractable support, the improvement comprising: a first fluid pressure system connected with the fluid of said brake control system of said trailer to control the extension and retraction of said support, a second fluid pressure system including a coacting device to maintain said support in its extended and supporting position, and means to control said first fluid pressure system including an interconnection responsive device between the coupling means of the semi-trailer and said tractor.

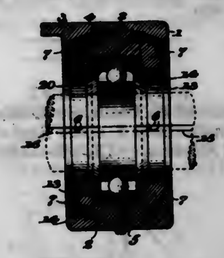
2,572,410
STEERING MECHANISM FOR SEMITRAILER SUPPORTING MECHANISM
Hubertus Josephus van Doorne, Deurne, Netherlands
Application May 24, 1948, Serial No. 28,948
In the Netherlands May 28, 1947
5 Claims. (Cl. 280—33.55)

1. A steering device for a semi-trailer having a plurality of vertical shafts, ground wheels mounted on the lower ends of a plurality of said shafts, means to axially extend and retract those shafts carrying said ground wheels, toothed wheels mounted on each of said shafts and each located in a fixed horizontal plane, horizontally movable means to engage all of said toothed wheels to turn all of said toothed wheels in uni-



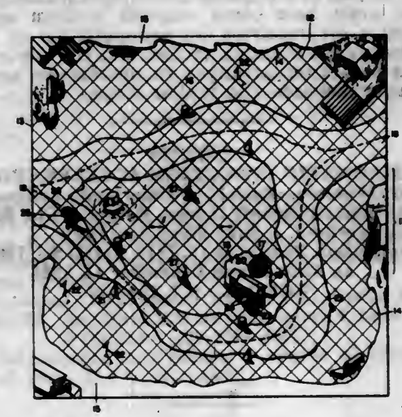
sion, means to insure the rotation of each shaft with the rotation of its corresponding toothed wheel whereby the rotation of one of said shafts turns each of the other shafts simultaneously the same amount and in the same direction, and external means connected with one of said shafts to turn said one of said shafts.

2,572,411
RESILIENT SUPPORT FOR ANTIFRICTION BEARINGS
Thomas Watt, Berea, Johannesburg, Transvaal, Union of South Africa
Application November 16, 1948, Serial No. 60,246
In Great Britain November 17, 1947
20 Claims. (Cl. 308—184)



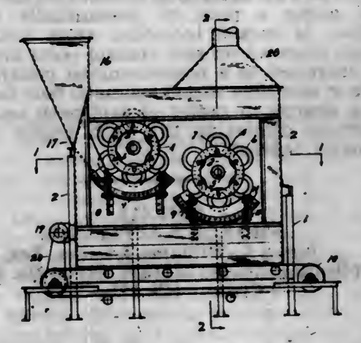
1. An improved bearing block comprising a rigid housing and an antifriction bearing mounted in said housing, a split annular bushing of resilient material lined internally with a rigid material encircling said bearing, said housing having an annular recess therein, said bushing holding said bearing in a tight fit in said recess in said housing, said bushing having a part spherical shaped periphery, said recess being of part-spherical shape in cross section and adapted to fit the correspondingly shaped periphery of the bushing whereby the outer race of the bearing is resiliently gripped and thereby held against rotary movement and whereby the bearing as a whole is given a self-aligning characteristic, a pair of opposing outer rigid casing members which are shaped exteriorly to fit the accommodating annular recess in the rigid housing partly encasing said resilient bushing as regards its outer surfaces, whereby excessive "flow" of the material of the bushing is prevented and the outer surfaces thereof are protected against rapid and excessive wear, the construction being such that the bushing is sandwiched between the inner rigid lining and the outer rigid casing members and which lining and casing members are not directly connected to one another.

2,572,412
GAME PIECE SIMULATING A SAILBOAT
Joseph S. L. Wharton, Jr., Essex, Conn.
Application November 8, 1947, Serial No. 784,811
2 Claims. (Cl. 273—137)



2. A game piece in the form of a sailing yacht comprising a hull, a sail pivoted in the hull and a heeling member operatively associated with the sail, said heeling member being placed below the hull, manipulation of the sail varying the angle of the heeling member with respect to the keel of the hull whereby the yacht may assume a heeling position at one time and an upright position at another time.

2,572,413
CONTINUOUS MULLER
Algot A. Wickland, Chicago, Ill.
Application November 16, 1949, Serial No. 127,743
4 Claims. (Cl. 22—89)



1. In a continuous muller of the class described, a frame, a housing at one side of the frame, bearing members mounted on said frame, a horizontal drive shaft rotatable in said bearing members and having one end projecting into said housing, power means for rotating said shaft, a muller assembly mounted within the housing on the projecting end of the shaft and comprising a disc affixed to the projecting end of the shaft, a plurality of spaced studs projecting laterally from the disc and having one end secured to the disc, an annular plate secured to the other end of the studs in spaced relation with the disc, muller rings freely rotatable on

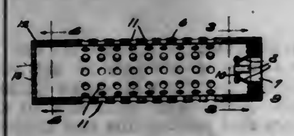
the studs between the disc and plate, and spaced plates disposed beneath the muller rings and provided with a plurality of spaced grate bars located a substantial distance beneath the muller rings and having their opposite ends mounted in recesses in the spaced plates, said spaced plates and grate bars being adapted to form an enclosure for receiving an accumulation of sand between the rotating muller and the grate bars and the latter arranged to provide an arcuate grating beneath the muller rings.

2,572,414
MAGNETIC INDUCTION ACCELERATOR
Rolf Widerøe, Zurich, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application December 10, 1947, Serial No. 790,912
In Switzerland December 11, 1946
7 Claims. (Cl. 250—27)



1. The combination with a charged particle accelerator of the type wherein at least an initial acceleration of the particles is effected through magnetic induction, said accelerator including an annular tube within which the particles may follow an orbital path, means providing charged particles within said tube, a magnetic structure comprising inducing field pole means extending axially through said tube and a pair of annular control field poles arranged in confronting relation at and on opposite sides of said tube, and a magnetizing winding on said structure adapted to be energized by a cyclic, time varied current to produce a corresponding time varied magnetic field in said poles and which causes said particles to be accelerated around said tube along a path of substantially constant radius; of means including cross wound coil means disposed on said control poles and which are energized at a predetermined instant in the cycle of said time varied magnetic field for effecting a change in radius of said path and simultaneously displacing the path center along a diameter thereof.

2,572,415
SMOKER'S APPLIANCE
James L. Williams, Lamesa, Tex.
Application August 26, 1946, Serial No. 693,087
1 Claim. (Cl. 131—175)



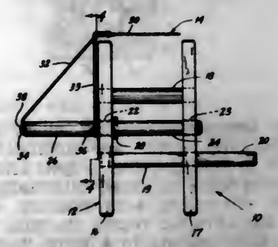
A smoker's appliance comprising a cylindrical body portion having an opening in one end thereof in which one end of a cigarette holder in which a cigarette is held is positioned, spring arms secured within the cylindrical body and attached to the end of the body portion adjacent to the opening in which the cigarette holder extends, the free ends of said spring arms extending into the body portion a substantial distance beyond said opening, a coiled spring secured to the free ends of the spring connecting said arms normally urging said spring arms into clamping relation with the cigarette supported in said holder, securing the cigarette in position against accidental displacement, and said cylindrical body portion having a plurality of air openings through which air enters the cylinder.

2,572,416
ARTIFICIAL EYE COMPRISING AN EYE IMPLANT AND A CONNECTING SUPPORT FOR AN EYE-SIMULATING MEMBER
Joseph H. Wilson, La Mesa, Calif.
Application June 30, 1947, Serial No. 758,090
6 Claims. (Cl. 3—13)



3. In an artificial eye implant and support therefor, an implant member having means for connection of the natural eye muscles thereto, said member having an internally screw-threaded portion and a cap having an externally screw-threaded plug adapted to be inserted in said internally screw-threaded portion of said implant, said cap having connection means for supporting an artificial eye.

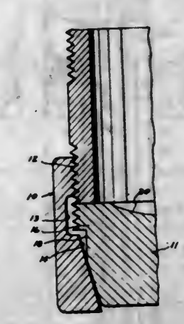
2,572,417
WINDING REEL
Raymond B. Wolk, St. Louis, Mo.
Application October 7, 1948, Serial No. 53,158
2 Claims. (Cl. 242—100)



1. A guide for directing a clothes line onto a hand reel comprising a loop portion, and divergent leg portions, one of said leg portions terminating in a hook portion, the other leg portion terminating in a loop portion disposed to the outside of said other leg portion and comprising a spacer, said hook portion and said loop portion being spaced from each other a substantial distance and being attachable to a shaft.

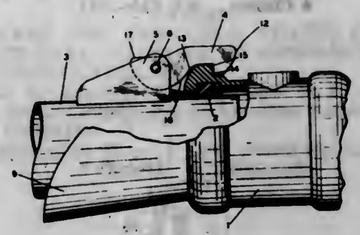
2,572,418
PIPE NIPPLE CHUCK
Clyde E. Wright, Elyria, Ohio, assignor to Ridge Tool Company, Elyria, Ohio
Application September 11, 1948, Serial No. 48,800
11 Claims. (Cl. 279—48)

7. A nipple holding chuck including a housing having exterior walls formed for engagement with a holding device, said walls being formed with kerfs to permit portions of the wall to be forced inwardly, one end of said housing being formed with a threaded bore for the reception of the threaded end of a piece of pipe or the like, the wall of said housing adjacent said threaded bore being weakened by an annular channel formed therein, a bore extending through the remainder of the housing coaxial to the other bores and formed to provide a substantially



frustro-conical inner wall, a stop plug for said housing comprising a member having a threaded flange on one end, a cylindrical portion adjacent said flange, and a frustro-conical end portion, said threaded flange adapted to be threaded through said bore and when threaded through the bore to be disposed in said annular channel, said frustro-conical end portion being disposed for engagement with said frustro-conical inner wall.

2,572,419
LOCK FOR IRRIGATION PIPE COUPLERS
Raymond C. Wyss, Tillamook, Oreg.
Application March 21, 1949, Serial No. 82,625
6 Claims. (Cl. 285—170)

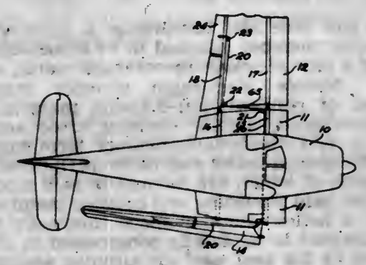


1. A pipe coupling comprising a pipe section on the free end of which is a flaring skirt, the edges curving inwardly toward the top, and terminating in parallel side walls, the interior of said pipe section back of the skirt having a packing gland, a rib on the pipe section adjacent the inner end of the skirt, a cam shape lug on the top of the rib, a second pipe section fitted in the skirt and the first-mentioned pipe section to engage the packing, a pair of lugs on the second-mentioned pipe section spaced from the rib on the first-mentioned pipe section, a latch pivoted between the pair of lugs on the second-mentioned pipe section the forward edge of the latch having a cam surface and the rear end of the latch having a cam, said latch extending over the rib with its front end cam surface engaging the cam shape lug on the rib, the latch having a cam bottom edge to cooperate with the front edge of the cam shape lug and rib to disengage said latch from the lug when the second-mentioned pipe section is forced into the end of the first-mentioned pipe section when disconnecting the pipe sections the cam at the rear end of the latch engaging the bottom surface between the lugs to frictionally hold the latch in disengaged position after release from the lug, the parallel side walls of the skirt serving to guide the pair of lugs and the latch when coupling the two pipe sections.

2,572,420
PRODUCTION OF NITROPOLYSTYRENE
Henryk Zenftman, Salcoats, and Andrew McLean, West Kilbride, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 8, 1947, Serial No. 759,716. In Great Britain September 4, 1946
9 Claims. (Cl. 260—93.5)
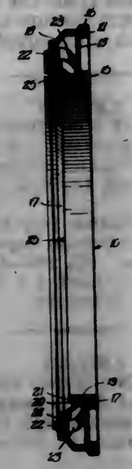
9. Nitropolystyrene having a degree of nitration of 13 to 14.4% nitrogen.

2,572,421
AIRCRAFT FOLDING WING CONSTRUCTION
Edmund Abel, Jr., Lakewood, Ohio
Application September 28, 1947, Serial No. 775,343
11 Claims. (Cl. 244—49)



1. A folding wing construction for an airplane having a center wing section and an outer wing section and disconnectable means securing the outer wing section to the center wing section under flight conditions, said folding wing construction being separate from said disconnectable supporting means and comprising a hinge member mounted on the airplane and adapted to support said outer wing section when said disconnectable means are disconnected, said hinge member having slide means thereon, said outer wing section having slide means cooperating with the slide means on said hinge member for pivotally and slidingly connecting said outer wing section to said hinge member, the axis of the slide means being disposed substantially parallel to the longitudinal axis of said outer wing section, the slide means on said outer wing section and on said hinge member being rotatable relative to each other about said axis when said disconnectable means are disconnected, and means for pivotally connecting said hinge member to said center wing section whereby to permit said outer wing section to be swung bodily relative to said center wing section about a vertical axis into a position lying generally parallel to the longitudinal axis of said airplane.

2,572,422
SEAL
Jens Aggar, Chicago, Ill., assignor to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1946, Serial No. 699,733
1 Claim. (Cl. 288—3)



An end face seal comprising a rigid annular mounting member adapted to be associated with one of a pair of relatively rotatable parts, an annular flexible diaphragm member integrally molded of resilient non-metallic material in a trough-shaped, axially opening cross sectional outline, said diaphragm member terminating in radially spaced inner and outer peripheral margins both of which are secured to said mounting member, said mounting and housing members defining a hollow annular space internally of the seal adapted to be axially compressed in the operation of the seal, and an annular sealing element disposed on the exterior of said diaphragm member forwardly of said internal space, said element being adapted for sealing engagement with the other of said relatively rotatable parts.

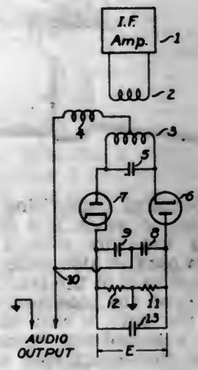
2,572,423
SAFETY REVERSIBLE WINDOW
Louis I. Alperin, Scranton, Pa.
Application November 3, 1948, Serial No. 58,138
4 Claims. (Cl. 20—49)

1. A composite double hung and swinging window comprising a window frame having a pair of stiles, sets of sash strips slidable in said stiles, a window sash disposed between each set of sash strips, means for pivoting the window sashes on horizontal axes adjacent the top and bottom of said sets of sash strips whereby said window sashes are swingable through varying angles from a vertical position to a substantially horizontal position with said sashes extending an inappreciable distance beyond said stiles in one direction, the opposite edges of said window sashes each being slotted and said sash strips having slots therein vertically aligned with the slots in the edges of said sashes, weather stripping members housed within the slots of said sash strips, and control means disposed adjacent the tops of each of said sash strips and connected with the weather stripping members housed within the slots of said sash strips, said control means being vertically displaceable with respect to the top of the associated sash strip in a linear direction aligned with the axis of the associated sash strip for effecting projection or retraction of the weather stripping member with respect to said



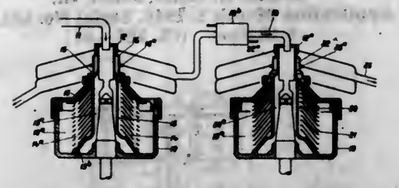
sash strips, and means for latching the weather stripping members in projected position with respect to the slots in the edges of said sashes, said means including a raised abutment carried by said sash strips over which said control means are confined when said control means are raised and oriented with respect to said raised abutments.

2,572,424
FREQUENCY MODULATION RATIO DETECTOR
Bernard Amos, North Arlington, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware
Application September 11, 1947, Serial No. 773,413
4 Claims. (Cl. 250—27)



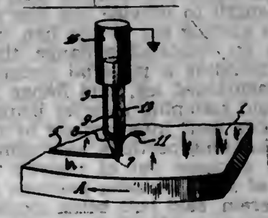
1. A receiver circuit for frequency modulated signals comprising a ratio detector circuit having a rectifier element and a resistor connected to said rectifier element as load resistance in said detector circuit, the said resistor having a negative temperature coefficient of resistance.

2,572,425
CENTRIFUGAL SEPARATION OF HEAVY BOILER OIL
Gustav Harry Andersson, Smedslatten, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application August 19, 1948, Serial No. 45,085
In Great Britain August 28, 1947
2 Claims. (Cl. 233—11)



1. A method of purifying boiler oil to a degree sufficient for its use in diesel engines and gas turbines, which comprises heating the oil to a temperature at which any emulsions thereof are broken, then feeding the oil to a first-stage locus of centrifugal force and there separating from it water and a substantial part of the solid impurities, continuously and separately discharging from the locus said water with its contained impurities, as a heavier component, and the oil as a lighter component, feeding the discharged oil to a second-stage locus of centrifugal force and there passing it inwardly through a set of superimposed disc spaces and along the entire radial extent of said spaces from their outer to their inner edges, collecting and retaining in the outer part of the second-stage locus the remaining solid impurities separated from the oil during its inward flow through the spaces, discharging the purified oil from the second-stage locus, and cooling the oil to an asphalt-precipitating temperature during its passage from the first-stage to the second-stage locus, whereby precipitated asphalt substances resulting from said cooling are separated from the oil in said disc spaces and carry with them at least some of said remaining solid impurities.

2,572,426
MEANS FOR REDUCING STATIC ELECTRICITY CHARGES IN NONELECTRO-CONDUCTIVE STYLI
Dallas R. Andrews, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 28, 1947, Serial No. 757,727
7 Claims. (Cl. 274—38)



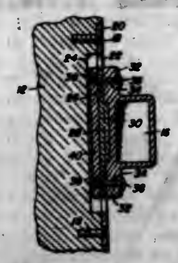
1. A phonograph recording stylus of the type adapted to remove a thread from a record blank in the course of forming a groove therein, said stylus comprising an elongated body of non-electroconductive material having a cutting face and rearwardly extending clearance surfaces, said cutting face terminating in a sharp cutting edge having a groove-forming configuration and being engageable by said thread during its formation, and an electroconductive member associated with said cutting face and disposed on said stylus in a position to be engaged by said thread.

2,572,427
TROLLING DEVICE
Frank L. Anglim, Marquette, Mich.
Application February 4, 1948, Serial No. 6,281
4 Claims. (Cl. 43—43.13)



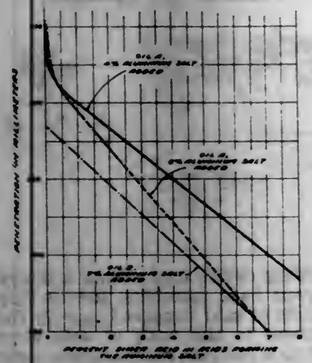
1. A trolling device comprising a buoyant support, buoyant base members, means disposed at opposite ends of said support hingedly fixing said base members to the ends of said support for movement to a position substantially perpendicular to said support and to a position substantially parallel to said support, means carried by said support for retaining said base members in the perpendicular position with respect to said support including a pair of pins, and said base members and said support having apertures removably seating said pins.

2,572,428
ADJUSTABLE LOCK KEEPER
James W. Anstine, Adrian, Mich.
Application September 28, 1948, Serial No. 51,528
4 Claims. (Cl. 292—341.18)



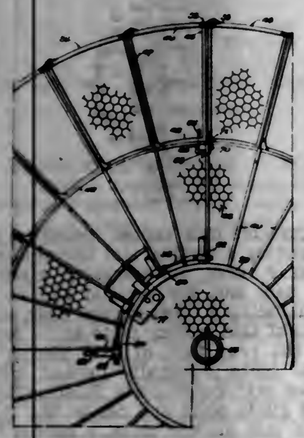
4. An adjustable lock keeper including an anchor plate having a vertical slot therein and forward and rear faces, an elongated guide plate received in said slot for vertical sliding movement and including a forward face flush with the forward face of said anchor plate and a rear face flush with the rear face of said anchor plate, a horizontal plate integrally formed with the outer face of said guide plate intermediate the ends of said guide plate and contacting the forward face of said anchor plate, a keeper having upper and lower horizontal slots and a recess between said slots, said recess slidably receiving said horizontal plate, an elongated bearing plate contacting the rear faces of said guide plate and said anchor plate, and a pair of screws extending through said upper and lower slots, the ends of said guide plate and threaded to said bearing plate.

2,572,429
ALUMINUM SOAP COMPOSITION
Kenneth D. Ashley, Stamford, Conn., and Scott Mason, Pound Ridge, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Original application November 25, 1949, Serial No. 129,271. Divided and this application March 28, 1951, Serial No. 217,980
5 Claims. (Cl. 260—414)



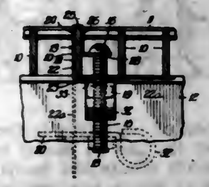
1. A soap composition consisting essentially of aluminum salt of a mixture of about 1% to 20% by weight of dimerized polyunsaturated fatty acids of 18 carbon atoms and about 99% to 80% of monomeric fatty acid of 12–22 carbon atoms.

2,572,430
ANTENNA STRUCTURE
Herman Blum, Bloomfield, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application May 17, 1946, Serial No. 670,357
6 Claims. (Cl. 250—33.65)
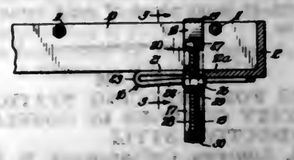


1. In a parabolic directional antenna having a rigid parabolic central section adapted to support a plurality of foldable sections permanently affixed thereto, said sections comprising a frame of divergent side members, a cross member and an arcuate rim section, the whole being covered on one face by a wire mesh, means on said rim section to lock said sections together when extended and means for extending said foldable sections to form a rigid antenna structure.

2,572,431
ANCHOR FOR GRATINGS
Walter A. Bates, Joliet, Ill., assignor to Beulah H. Bates, Joliet, Ill.
Application March 1, 1946, Serial No. 651,219
5 Claims. (Cl. 189—84)



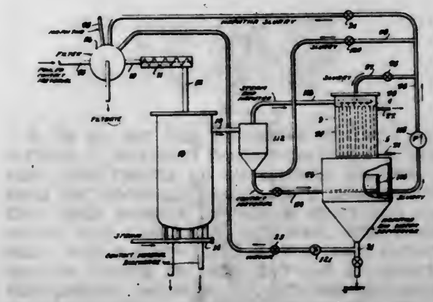
1. In an anchor, a clamp having an elongated flat portion and a curved portion, said curved portion being curved around an axis parallel with said flat portion and at right angles to the length of said flat portion, said clamp having an elongated slot disposed in said flat portion and extending into the adjacent part of said curved portion, the other extremity of said curved portion being flattened and being provided with a slot facing said first mentioned slot in said flat portion.

2,572,432
GRATING ANCHOR
Walter A. Bates, Joliet, Ill., assignor to Beulah H. Bates, Joliet, Ill.
Application October 19, 1946, Serial No. 704,421
5 Claims. (Cl. 189—84)



1. In an anchor, in combination, a holding member, a clamping member, a bolt having a head and a nut for said bolt, said holding member being an elongated member bent intermediate of its length to provide two legs adapted to loop over a grating bar or the like, one of said legs having an outstanding flange, the other of said legs extending a material distance beyond said first mentioned leg, said flange having an aperture, said clamping member being an elongated member bent intermediate of its ends to form two clamping portions, said clamping portions being disposed out of registry with each other, one of said clamping portions having an opening therein, said bolt being located in said aperture and in said opening, said nut being located on said bolt, the other of said clamping portions being adapted to underlie said grating bar, said head of said bolt and said nut being located in positions wherein they are adapted to exert pressure upon said holding member through said flange and upon said clamping member to pull them toward each other to grip said grating bar.

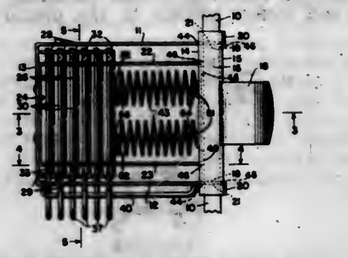
2,572,433
CONTINUOUS CONTACT FILTRATION
Eric V. Bergstrom, Short Hills, and George J. Vincenty, Clarksboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 25, 1949, Serial No. 129,452
2 Claims. (Cl. 196—147)



1. In a continuous contact filtration process wherein adsorbent contact material has become deactivated by liquid phase contact with oil in a treating step, the fouled contact material removed from the oil, washed with naphtha and filtered, and then introduced into a drying zone wherein it is stripped of naphtha and maintained in ebullient motion by steam introduced into the bottom of said zone, the method of recovering the naphtha and entrained contact material withdrawn from the drying zone with the effluent steam therefrom which comprises: separating the major portion of the contact material from the naphtha and steam in a first separation zone, introducing the naphtha and steam with a minor portion of the contact material still entrained therein into a condensing zone, bringing the naphtha and steam into indirect heat exchange relationship with a cooling fluid in said condensing zone to condense the naphtha and steam, spraying a small amount of a slurry of liquid naphtha and contact material into said condensing zone to wash the zone free of accumulated contact material, withdrawing the condensed naphtha and water and contact material admixed therewith from said condensing zone, separating the naphtha from the water and admixed contact material, mixing contact material from the first separation zone with the condensed and separated naphtha to form a slurry, mixing a small portion of the slurry with the contact material first separated from the naphtha and steam to aid in moving said contact material to the locus of slurry mixing, introducing another small portion of the slurry into the condensing zone to serve as the previously described washing medium, and mixing the remaining slurry with the fouled contact material withdrawn from the treating step whereby the major portion of the naphtha and contact material is returned to the process.

2,572,434
DISPLAY RACK
Jack I. Blum, Philadelphia, Pa.
Application October 13, 1948, Serial No. 54,224
5 Claims. (Cl. 211—89)

1. An article holder for a display rack comprising a frame having spaced guide bars, a plurality of parallel article clamping plates slidably mounted thereon, spring means impelling said plates to clamping positions, and each of said plates having means carried thereby to spread the same to increase the space between an adjacent pair of said plates to permit an article to be inserted in said space.



2,572,435
COMBINATION BUNK, TABLE, AND SEATS FOR JAILS AND THE LIKE
Loyd J. White, San Antonio, Tex., assignor to Southern Prison Company, San Antonio, Tex., a corporation of Texas
Application April 16, 1947, Serial No. 741,746
5 Claims. (Cl. 5—3)

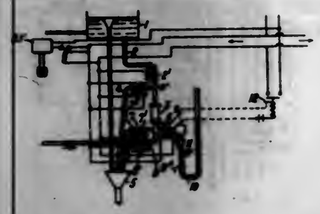


4. As an article of furniture for prison cells and the like, a substantially rectangular, bed supporting plate having hinge members adjacent to one longitudinal edge adapted to be hingedly connected to a wall; pins adjacent to the opposite longitudinal edge of said plate adapted to coact with cooperating latch members on the wall to hold the plate in folded position against the wall; a table panel secured to the bottom side of the bed supporting plate at right angles thereto and longitudinally thereof substantially midway between its side edges and terminating short of its ends; seat forming plates rigidly secured to the longitudinal edge of the bed plate carrying the hinge members and on the side carrying the table panel; and substantially triangular wings extending from the seats and secured to the ends of the bed supporting plate adapted to act as braces to support the plate in its horizontal position when it is hinged to a wall.

2,572,436
MEANS FOR MEASURING AND RECORDING THE FILTRABILITY OF FLUIDS
Percival Lionel Boucher, Troon, Ayrshire, Scotland, and Norman Andrew Forster Rowntree, Newcastle-upon-Tyne, England, assignors to Glenfield and Kennedy Limited, Kilmarnock, Ayrshire, Scotland, a corporation of Great Britain and Northern Ireland
Application June 11, 1946, Serial No. 676,084
In Great Britain April 12, 1945
7 Claims. (Cl. 73—53)

1. Apparatus for measuring and recording the filtrability of a fluid comprising a filtering element of filtering material through which the

fluid to be measured is passed, recording means including a scriber movable over a chart, an electric motor operatively connected to actuate said scriber, an electrical circuit including said motor, and means subject to the pressure of the



fluid at the discharge side of the filtering unit and operable when the pressure at said side of the filtering unit has dropped to a predetermined value for causing said electrical circuit to be opened.

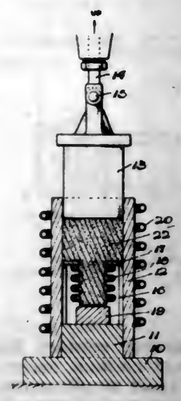
2,572,437
STOOL BASE STRUCTURE
Gwylm H. Bozarth, Kansas City, Mo., assignor to Fixtures Manufacturing Corporation, Kansas City, Mo.
Application March 28, 1949, Serial No. 83,799
2 Claims. (Cl. 155—134)



2. In a stool of the kind described, a base; means for removably securing said base to a floor; a column extending upwardly from said base; a number of rods in the column secured at the lowermost ends thereof to said base; and means at the uppermost ends of the rods for holding the column secured to said base.

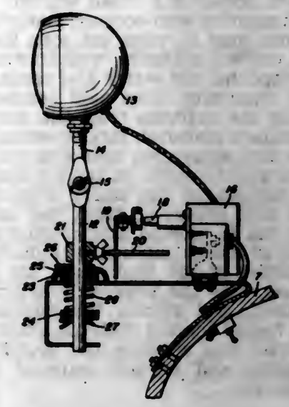
2,572,438
FILLING CORRUGATED VESSELS WITH RUBBER
Charles P. Branson, Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application November 17, 1947, Serial No. 786,447
2 Claims. (Cl. 18—59)

1. The method of making a rubber-filled expansible and contractible vessel which has relatively-deep radially-extending corrugations in its peripheral wall which includes the steps of filling the vessel with powdered rubber, vibrating the vessel to compact the powdered rubber therein, positioning the vessel in a container, supplying additional powdered rubber from said container exteriorly of and in communication with said vessel for introduction into the same, applying heat and pressure simultaneously to the entire mass of powdered rubber to soften the same sufficiently to render the rubber flowable under the pressure used, forcing air entrapped in the corrugations



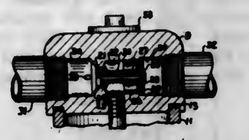
out of the same by forcing the rubber in its flowable condition from the exterior of said vessel into the interior thereof, and then continuing the application of heat and pressure to the rubber to complete the melting of the same and force the melted rubber to fill completely the corrugations of said vessel.

2,572,439
OSCILLATING SIGNAL LAMP
Phil Brozier, Avella, Pa.
Application November 8, 1948, Serial No. 58,882
4 Claims. (Cl. 177—329)



1. A vehicle warning signal comprising a vertical shaft, a lamp housing, means detachably and swingably connecting the lamp housing to the upper end of the shaft for vertical swinging adjustment of the former, an arm projecting horizontally from the shaft, and a motor including a shaft connected to the free end of the arm for actuating the arm and shaft in an oscillating movement to swing the lamp housing horizontally.

2,572,440
LUBRICATOR FOR AIR LINES
Corning Stevens Brush, Algonac, Mich., assignor to Monnier Brothers, Inc., Algonac, Mich., a corporation of Michigan
Application October 23, 1948, Serial No. 56,160
6 Claims. (Cl. 184—55)



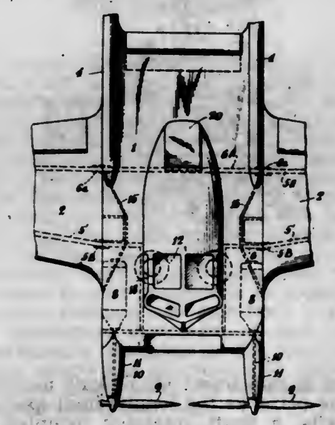
6. In an air line lubricator of the class described, a lubricant containing bowl; a head on said bowl having an air passage formed therethru for conducting air under pressure therethru, said passage having an entry end and an outlet end and being provided, intermediative ends, with a constricted portion, said constricted portion having an inlet end and an outlet end, said passage, between its entry end and said constricted portion, communicating with the interior of said bowl and communicating with the interior of said bowl between the outlet end of said passage and the outlet end of said constricted portion; and a valve positioned in said passage between said last named point of communication and the outlet end of said constricted portion and movable to open and closed position and movable, upon moving to closed position, toward the outlet end of said constricted portion; and a spring normally urging said valve towards said outlet end of said constricted portion, there being a passage formed thru said valve for permitting flow of air therethru after the same has passed thru the passage in said constricted portion.

2,572,441
FUEL VALVE DEVICE
Stanley J. Budlane, Chicago, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application July 10, 1948, Serial No. 38,039
2 Claims. (Cl. 158—36)



1. In a liquid fuel-burning heater of the type having main burners and a pilot burner, a valve selector unit for controlling the supply of liquid fuel to certain of said burners and including a substantially cylindrical fuel supply chamber arranged with its axis inclined from the vertical, said chamber being adapted to contain liquid fuel under pressure for delivery to the burners and having a plurality of fuel outlet openings in the top of said chamber, a fuel line leading from one of said outlet openings to the pilot burner, said one outlet opening being lower than the other outlet openings, other fuel lines respectively leading from the other outlet openings to the main burners, one of such openings being higher than the remaining openings, a tube extending from the mouth of said lowermost opening downwardly to a point substantially below the minimum liquid fuel level which exists in said fuel supply chamber while the heater is in operation, and needle valves associated with all of the fuel outlet openings for the main burners except said uppermost opening, whereby said uppermost opening serves as a vent for the escape of gaseous fluid from said chamber.

2,572,442
TWIN ENGINE SPORT AIRPLANE
Vincent J. Burnelli, Red Bank, N. J.
Application October 29, 1946, Serial No. 706,390
1 Claim. (Cl. 244—118)

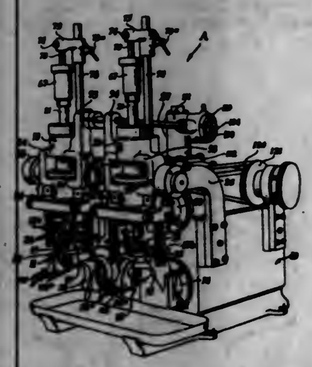


An airplane fuselage of airfoil contour from the opposite sides of which extend outspanned wings, said fuselage including inwardly offset longérons and forward and rearward spars extending respectively through the fuselage and outspanned wings, passenger seats located between said spars and said fuselage provided with an entrance in the side thereof at the offset in a longéron, and the fuselage having a depressed portion of its floor structure adjacent the entrance, and a depressible step in communication with said depressed portion and when in depressed position disposed beneath the fuselage to thereby enable a person to stand erect when entering and leaving the fuselage.

2,572,443
CYLINDER LENS LAPPING MACHINE
Albert Butler, Toronto, Ontario, Canada, assignor to Percy Hermant Limited, Toronto, Ontario, Canada, a corporation of Canada
Application November 24, 1948, Serial No. 61,881
1 Claim. (Cl. 51—58)

In a lens polishing machine, a frame, a shaft mounted in said frame for rocking movement about its longitudinal axis, a lap holder, the free end of said shaft being formed and said lap holder being formed such that said lap holder can be detachably mounted on said shaft, said lap holder being adapted to support a polishing lap in spaced apart relation from said shaft and above said shaft whereby to cause the locus traced out by the surface of said lap as it rocks

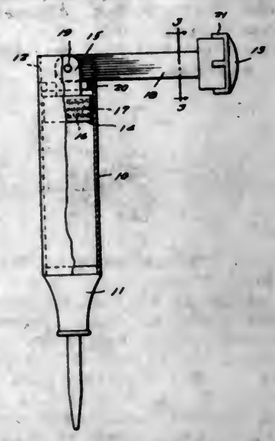
to coincide with the curvature of said lap, a second shaft mounted for rocking movement about its longitudinal axis and with its longitudinal axis in parallel spaced apart relation to said first shaft and above said first shaft, a second lap holder, a free end of said second shaft being formed and said second lap holder being formed such that said second lap holder can be detachably mounted on said second shaft, said second lap holder being designed to support a polishing lap in spaced relation from said shaft below said second shaft whereby to cause the locus traced out by the surface of said lap as it rocks to coincide with the curvature of said lap, a head



mounted in said frame for rocking movement in the same plane as the longitudinal axes of said two shafts, a shaft rotatably mounted within said head and having a pin extending therefrom with its longitudinal axis offset from the longitudinal axis thereof, said pin being designed for operative engagement with a lens chuck for a cylinder lens, and drive means for rocking each of said two shafts for rocking said head and for rotating said pin, said head having guide means for co-operation with the aforementioned lens chuck to keep the principal axes of the cylinder surfaces of the base and cross curves of a lens in alignment with the base and cross curves of the aforementioned polishing lap.

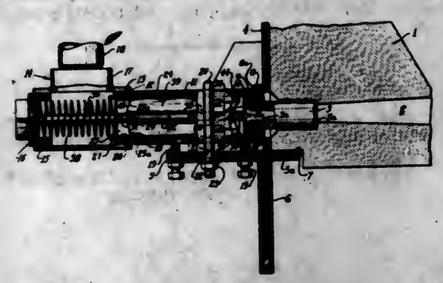
2,572,444
TOOL HANDLE
Albert Carden, Bell, Calif.
Application June 21, 1946, Serial No. 678,524
2 Claims. (Cl. 145—61)

1. A tool handle, comprising a tubular body open at one end, a member rotatably and slidably mounted in said body, a handle extension telescopically received in said body, means hingedly connecting one end of said extension to said member, a head fixed to the other end of said extension and closely fitting within and adapted to close said open end of said body when said extension is telescoped to a closed position, said extension and member being slidable to an extended position allowing said extension to be pivoted to extend radially of said body in the region of said open end, locking means on said body in the region of said open end and engageable with said extension when the same is radially extended to lock said extension and said member against rotation relative to said body, and means on said head interlocking with said locking means when



the head is moved to a closed position to lock said head against rotation relative to said body.

2,572,445
GAS BURNER FLAME ARRESTER
Madison M. Cannon, Jr., West Hartford, and John S. Light, Simsbury, Conn., assignors to Emhart Manufacturing Company, a corporation of Delaware
Application October 29, 1947, Serial No. 782,754
4 Claims. (Cl. 158—112)



2. A flame arrestor for a burner assembly comprising a substantially straight tubular burner nozzle having only an axial bore for the passage of gaseous fuel therethrough and a gaseous fuel supply line including a straight tubular section having a bore of substantially uniform cross-section throughout its length and nozzle holding means at the downstream end of said tubular section supporting said nozzle in axially aligned cooperative relation to the tubular section, the bore of said tubular section being substantially larger in cross-section than the adjacent end of the bore of said nozzle, said arrestor comprising a core having a multitude of longitudinal passages extending therethrough so as to be distributed around the longitudinal axis and throughout the cross-section of the core, said core fitting in the bore of the supply line tubular section closely enough to prevent flow of gas between said core and the surrounding wall of said tubular section of the supply line so as to confine flow of gaseous fuel through the portion of the tubular section occupied by said core to the longitudinal passages of the core, said

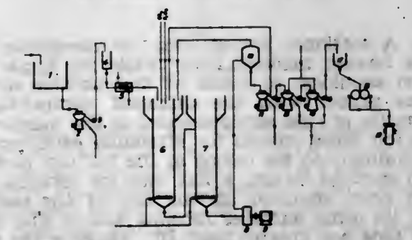
core being positioned in the supply line tubular section so as to leave a small space therein between the downstream end of the core and the adjacent end of the bore of the nozzle and being formed at its downstream end so that the downstream ends of the longitudinal passages therethrough are relatively nearer to or farther from the plane of the adjacent end of the nozzle bore as such passages are radially farther from or nearer to the axis of said core, respectively, so as to permit approximate uniformity of flow from the several passages of the core into the nozzle.

2,572,446
BULB CONSTRUCTION FOR THERMOSTATS
William W. Carson, Jr., Knoxville, Tenn., assignor to Robertshaw-Fulton Controls Company, Knoxville, Tenn., a corporation of Delaware
Application January 10, 1949, Serial No. 70,076
13 Claims. (Cl. 297—3)



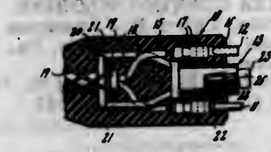
2. A bulb for a vapor pressure thermostat of the type comprising a tubular wall closed at one end, having a communicating conduit for vapor- liquid at its opposite end and adapted to c n both vaporizable liquid and the vapor of said liquid, said bulb having a series of internal partitions subdividing the interior of said bulb into a series of axially arranged cells, each of said partitions being apertured only in that portion of the partition which is normally below the level of the liquid in the bulb when the bulb is installed horizontally.

2,572,447
PURIFICATION OF EFFLUENT FROM DISTILLERIES
James Charlton, Parkwood, Johannesburg, Transvaal, Union of South Africa
Application May 7, 1947, Serial No. 746,459
5 Claims. (Cl. 195—106)



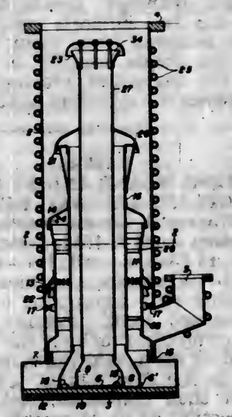
1. A process for purifying and rendering readily disposable the effluent from distilleries using molasses as raw material for the production of alcohol, which essentially consists in removing suspended solids from the effluent; adding to said effluent food yeast organisms and inorganic nutrient for said food yeast organisms, including the ammonium group in amount sufficient to keep the formol titration below 0.5, said food yeast organisms being selected from the class consisting of pseudo yeasts of the group consisting of Torula and Monilia, and which have a high rate of reproduction and which are efficient in breaking down pentoses and pentosans as well as acetic acid, lactic acid and the salts of said acids; aerating the effluent so treated until said organisms and the products of their multiplication have used up materially all of the nitrogenous organic matter in the liquid; and separating the purified liquid from the food yeast.

2,572,448
ELECTRICAL CONNECTOR HAVING A RESILIENTLY BIASED AUTOMATIC LATCH
Everett S. Child, Barrington, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 29, 1949, Serial No. 73,621
8 Claims. (Cl. 173—328)



1. An electrical terminal adapted to be connected to a like terminal, said terminal comprising a body of soft resilient rubber-like material, a plurality of male and female electrical contacts resiliently mounted in said body and being spaced so that said male contacts on one terminal are adapted to telescope with the female contacts on the other terminal, locking projections mounted in said body, said projections on one terminal having helical cam faces adapted to slide on like faces of the other interlocking terminal and circumferentially displace said telescoping contacts with respect to said projections in opposition to the resilient resistance of said body during the inward telescoping movement of said contacts, and overhanging shoulders at the inner ends of said faces adapted to interlock with corresponding shoulders on the other like terminal under the resilient reaction of said body.

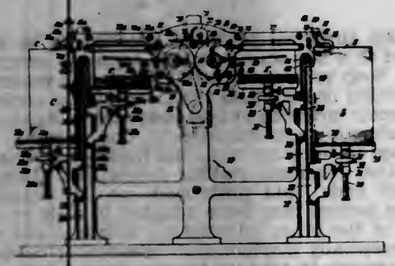
2,572,449
CONDENSATION PUMP
Robert E. Cortright, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Original application January 16, 1946, Serial No. 641,479. Divided and this application July 18, 1950, Serial No. 174,442
5 Claims. (Cl. 230—101)



1. A high vacuum condensation pump comprising a pump casing, boiler means communi-

cating with a lower zone of said casing, jet nozzle means in a higher zone of said casing, an annular gutter around the inner circumference of said casing between said boiler means and said jet nozzle means, and a vapor-conducting cylinder communicating with said jet nozzle means and extending downwardly from said jet nozzle means, the lower end of said vapor-conducting cylinder being disposed in said gutter whereby pumping fluid condensing on said casing collects in said gutter and forms a liquid seal around the lower end of said cylinder.

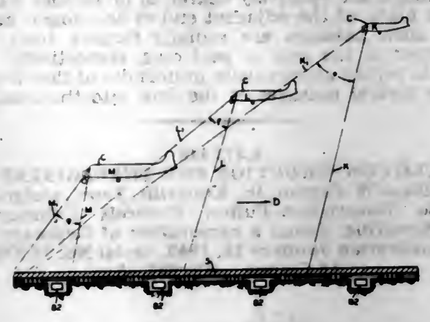
2,572,450
DATA COPYING MACHINE
Robert J. Crissy, Union, N. J., assignor to Business Systems, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 25, 1947, Serial No. 756,993
7 Claims. (Cl. 101—132)



1. In a data copying machine, a pair of counter rotated press cylinders with their axes in the same horizontal plane; a support for a stock pile of sheets disposed remotely from the cylinders to one side thereof; a support for another stock pile of sheets disposed remotely from the cylinders to the other side thereof; separate means operative to remove individual sheets from the respective piles and advancing them for downward passage, face to face, between the cylinders; a collecting receiver arranged at a lower level between the cylinders and one of the stock pile supports for receiving the first sheets after passage between the cylinders; a second collecting receiver similarly arranged with interval between the cylinders and the second stock pile support for receiving the second mentioned sheets after passage between the cylinders; means for progressively elevating the two supports concurrently as the sheets are removed from them; and means for directing the sheets laterally in opposite directions to the respective receivers after having passed between the cylinders as aforesaid.

2,572,451
LIGHTING MEANS AND SYSTEMS FOR AIRPLANE LANDING RUNWAYS
Warren A. Custer, Newton, Pa.
Application April 8, 1947, Serial No. 740,177
16 Claims. (Cl. 177—352)

1. A lighting system and means for an airplane landing strip comprising a multiplicity of closely disposed light directing and shielding vanes distributed throughout the greater portion of the landing strip, said vanes being disposed at an angle to the direction of the landing strip and having their planes inclined to the vertical in one direction so as to permit the passage of light from sources of light disposed therebeneath in upward directions inclined in the direction of the strip and to shield upwardly directed light inclined in the opposite direction, the direct light from the light sources being observable to a pilot of a plane approaching in the direction of the strip in one direction but shielded from the pilot of a plane in the other direction of approach with the length of the lighting means observable to the pilot varying directly with the height of the plane and the visible length of the lighting means shifting in the direction of the movement of the plane in accordance with the actual relative ground speed thereof.



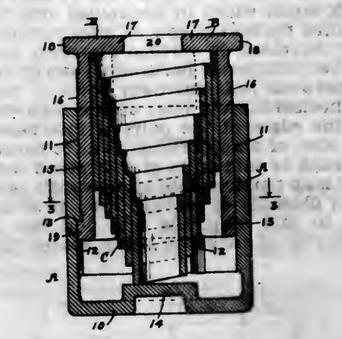
2,572,452
SECTIONAL TAPERED BOTTOM RING FOR HOT TOPS
Robert E. Daley, Willoughby, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1949, Serial No. 77,778
3 Claims. (Cl. 22—147)



1. A sectional bottom ring for composite hot tops having inclined inner walls for imparting bevel shoulders to ingots at the junction of the ingot proper with the sinkhead, comprising a plurality of ring sections equal to the number of hot top faces, means for attaching each section individually to the casing of the hot top, each of said sections having a flat face for forming the said bevel shoulder on one side of the casting and its other surfaces forming angles with said flat face not greater than 90°, whereby the separate sections of the ring are readily moldable, each section at a corner of the hot top having a portion overlapping the adjacent section and another portion overlapped by the adjacent section.

2,572,453
SHOCK ABSORBER FOR RAILWAY CAR TRUCKS
Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application November 23, 1948, Serial No. 129,031
3 Claims. (Cl. 267—9)

1. In a friction shock absorber, the combination with a friction casing open at one end and closed at the other end; of friction shoes slidingly telescoped within the open end of the casing; laterally inwardly projecting flanges on the outer ends of said shoes; and a lengthwise extending volute spring bearing at opposite ends on said flanges of the shoes and the closed end of the casing.



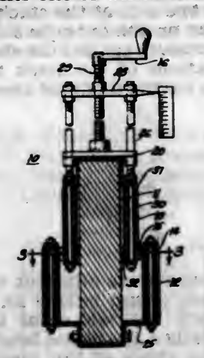
2,572,454
APPARATUS FOR DISPLAYING PICTORIAL REPRESENTATIONS
James W. Down and Daniel R. Miller, Washington, D. C.; said Miller assignor to said Down
Application July 30, 1948, Serial No. 41,508
1 Claim. (Cl. 40—63)



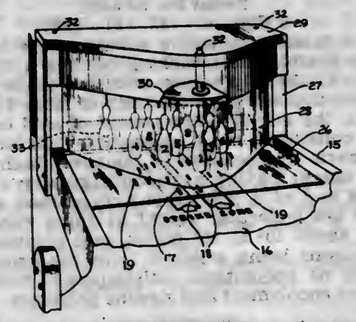
A display device for pictorial representations comprising a multi-sided solid block having shallow recesses formed in each of the sides thereof, pictorial representations pressed in said openings, transparent retaining plugs frictionally seated in said openings and having their outer surfaces of the sides flush with the surfaces of the block and means for pivotally mounting said block on a horizontal support.

2,572,455
TRANSFORMER
Ulysses S. Dunn, Chicago, Ill.
Application October 22, 1949, Serial No. 123,017
10 Claims. (Cl. 171—119)

1. A transformer having a variable output comprising, a magnetic core having a window for the reception of windings, a first winding fixedly mounted in said window, a second winding in said window and movable relative to said first winding, and means for increasing the range of transformer current output comprising cooperating magnetic shunts one of which is movable in connection with said second winding and another of which is stationary.



2,572,456
SIMULATED BOWLING GAME APPARATUS
Lyndon A. Durant and Melvin J. Binks, Chicago, Ill., assignors to Republic Patent Corporation, Chicago, Ill., a corporation of Illinois
Application April 22, 1950, Serial No. 157,551
6 Claims. (Cl. 273—126)



1. A simulated bowling amusement game apparatus comprising a supporting structure including a playing field and a horizontally arranged panel disposed in confronting spaced relation with respect to the field, a plurality of simulated bowling pins, means providing pivotal connection between the panel and said pins, means carried by the panel and connected to said pin connecting means for pivoting the said pins from a position vertically with respect to said panel to a position horizontally with respect thereto, electromagnetic means including latch structures for latching said pins in said vertical position, spring means connected to said panel and to said pin connecting means for pivoting said pins to said vertical position when said pins are unlatched from said latched structures, and a power circuit for said electromagnetic means including switches each having a playing piece engaging element arranged on the playing field.

2,572,457
TRANSFORMER CLAMP
Hirsch Epstein, Chicago, Ill., assignor of one-half to Louis R. Duman, Chicago, Ill.
Application February 24, 1947, Serial No. 730,630
1 Claim. (Cl. 175—356)

Alternating current apparatus comprising a laminated core, and soft iron clamping straps ex-

tending across the laminations and embracing the lateral sides of the core from an outermost lamination on one side of the stack to the outermost lamination on the opposite side of the stack and exerting pressure against the stack for clamping the laminations of the stack together, each clamping strap having a pair of arms having con-



centrated pressure areas adjacent opposite edges thereof and each clamp having an intermediate portion adjoining the said arms thereof, there being substantially a U-shaped bend in the metal of the clamping strap at the juncture between the intermediate portion and one of the arms and with the open side of the U facing the space between the arms.

2,572,458

PRESSURE-SENSITIVE ADHESIVE TAPE

Warner Kustis, Newton, Mass., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application May 18, 1944, Serial No. 536,198
5 Claims. (Cl. 117—122)

1. A pressure-sensitive adhesive tape comprising a flexible sheet backing bearing a coat of a normally tacky pressure-sensitive elasto-viscous composition having a viscosity of from 10^4 to 10^6 poises, the adhesive component of said composition consisting of a compatible mixture of a polymeric hydrocarbon of relatively high molecular weight having a viscosity greater than 10^7 poises and of a polymeric hydrocarbon of relatively low molecular weight having a viscosity of from about 10^1 to 10^3 poises, said polymeric hydrocarbons being selected from the group consisting of polybutene, polyisoprene, butadiene-styrene copolymers and styrene polymers.

2,572,459

ADHESIVE TAPE

Warner Kustis, Newton, Mass., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Original application May 18, 1944, Serial No. 536,198. Divided and this application March 7, 1951, Serial No. 214,443
5 Claims. (Cl. 117—122)

1. Fibrous tape impregnated with a mixture containing a polymerized aromatic vinyl hydrocarbon and a monomeric polymerizable aromatic hydrocarbon, said monomeric hydrocarbon being present in a proportion between about 10% and about 50% of said polymerized hydrocarbon, producing a sticky tape that hardens upon polymerization of said monomeric hydrocarbon.

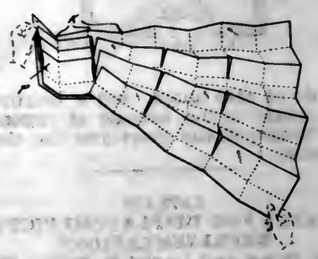
2,572,460

METHOD OF FOLDING MAPS AND THE LIKE

Gerhard Ernst Albrecht Falk, Hamburg, Germany

Application February 10, 1949, Serial No. 75,655
In Great Britain August 27, 1948
3 Claims. (Cl. 281—1)

1. A rectangular map subdivided by vertical and horizontal fold lines arranged parallel to the edges of said map into a plurality of rectangular map portions, said map portions forming simultaneously part of a series of vertical rows of map portions and of a series of horizontal rows of map portions; said vertical rows of map portions being of equal width in horizontal direction, and each third horizontal row of map portions being slightly narrower in vertical direction than each of the two interposed horizontal rows of map portions between said narrower rows of map portions; horizontal fold lines in said map extending along the edges of the pairs of interposed horizontal rows of map portions so as to permit folding of each of said pairs of interposed horizontal rows of map portions into an upwardly projecting pleat; a plurality of vertical rows of straight incisions in said map, the first and last incision in each row of incisions being spaced from the



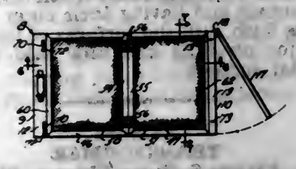
horizontal edge of said map, each of said incisions disposed in every second vertical fold line and extending vertically through one of said pairs of interposed horizontal rows of map portions thus subdividing each of the upwardly projecting pleats formed by the same into independent pleat portions having each the width of two vertical rows of map portions; and vertical fold lines in said map arranged along the edges of said vertical rows of map portions in such a way as to permit accordion-like folding of said map with the vertical fold lines containing said incisions forming the outwardly disposed ridges of said accordion-like folds, said incisions thus permitting folding of each two vertical rows containing said pleat portions relative to each other about said vertical fold lines and folding of said pleat portions independently of each other about the horizontal edges of each of said pleat portions.

2,572,461

PORTABLE ANTI-INSECT SHELTER

Toni C. Fierle, Detroit, Mich.

Application October 1, 1948, Serial No. 52,353
3 Claims. (Cl. 20—2)



1. A portable folding shelter comprising a pair of U-shaped end walls arranged so that the legs thereof are in face-to-face relation with respect to each other, one of the legs of each of said U-shaped end walls being longer than the other leg thereof, the longer leg of one end wall being in alignment with the shorter leg of the other of said end walls, the longer leg of each of said

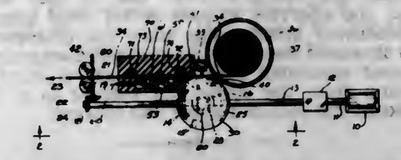
end walls being of the same size and the shorter leg of each of said end walls being of the same size, an upright wall disposed between each of the aligned pair of shorter and longer legs of said end walls and having its ends connected to the adjacent shorter and longer legs of said end walls for swinging movement about a vertical axis inwardly of the end walls, each of said upright walls embodying two sections arranged in end-to-end facing relation with the facing ends connected together for pivotal movement about a vertical axis.

2,572,462

DRYING MECHANISM FOR ELECTROLYTIC FACSIMILE RECORDERS

William G. H. Finch, Newtown, Conn., assignor, by mesne assignments, to Pierce Company, Providence, R. I.

Application November 20, 1946, Serial No. 711,035
4 Claims. (Cl. 246—74)



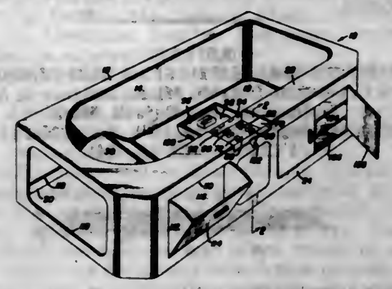
1. In combination with a facsimile recorder including a recording mechanism capable of producing a record on a moist chemically treated recording medium moved relative to said recording mechanism, the improvement comprising a dryer mounted on said facsimile recorder for removing moisture from said recording medium subsequent to recordation thereon, said dryer comprising a substantially flat metallic plate mounted closely adjacent to the point of recording of said recording mechanism and extending along the path of movement of said recording medium away from said recording mechanism, means for heating said metallic plate throughout its length, means for maintaining said recording medium in contact with said metallic plate, a heat insulating plate backing said metallic plate, and an additional heat insulating plate mounted parallel to the flat surface of said metallic plate and spaced therefrom a distance sufficient to permit movement of said recording medium between said metallic plate and said additional heat insulating plate.

2,572,463

BATHTUB

William Fine, Hampton, Va.

Application February 14, 1949, Serial No. 76,234
3 Claims. (Cl. 4—173)



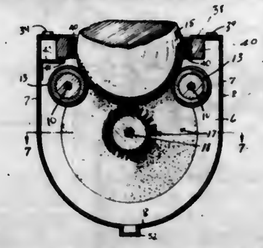
1. A receptacle comprising a body member having a bottom wall and continuous inner and outer side walls, an upper wall joining said side walls and having a recess therein, fluid control handles carried by the upper wall and positioned in said recess, and a soap container hinged to said inner side wall and forming a closure for said recess.

2,572,464

DEVICE FOR CLEANING BOWLING BALLS

Douglas F. Freitas, San Francisco, Calif.

Application June 21, 1946, Serial No. 678,391
5 Claims. (Cl. 15—21)



1. A bowling ball cleaner comprising, means for supporting a bowling ball for rotation about its center and for rotating said ball, a power driven rotary brush positioned to engage a side of said ball during said rotation, a stationary annular brush secured in a position encircling said ball and in engagement with the latter during said rotation, and a spray device for directing a spray of liquid cleaner against said ball when the latter is supported on said means and is rotated, said device being positioned between said rotary brush and said stationary brush.

2,572,465

CUSHIONING DEVICE

George H. Fuehrer, Phillipsburg, N. J., and Charles W. Hosking, Easton, Pa., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application March 8, 1946, Serial No. 652,884
4 Claims. (Cl. 255—45)



1. In a cushioning device, a drilling implement, a rock drill having a casing, a feed screw for the rock drill extending through and beyond the casing wall, and a coupling on the feed screw for connecting the drilling implement thereto, and a cushioning means on the coupling slidable with respect thereto for abutment with the rock drill casing to prevent the feed screw from bringing the coupling into binding engagement with the rock drill casing.

2,572,466

DISPENSING CAP FOR COLLAPSIBLE TUBES, HAVING SPRING-BIASED OUTLET ELEMENT ACTUATED BY PRESSURE OF TUBE CONTENTS

Lawrence J. Gardiner, Bridgeport, Conn.

Application November 27, 1946, Serial No. 712,668
1 Claim. (Cl. 222—496)

An automatic dispensing cap for collapsible paste tubes and the like having a neck portion provided with an outlet opening in its upper end, comprising a cap member including a lower cylin-

drical collar portion adapted to be removably engaged with said neck portion, an upwardly tapered conical shoulder portion having conical inner and outer surfaces, said inner surface adapted to engage with the outer peripheral edge of the upper end of said neck portion, and a cylindrical top portion having a cylindrical chamber therein, and having a cylindrical outer surface forming with said outer conical surface an annular corner, there being a lateral outlet slot partially in said top portion and partially in said shoulder portion having an upper flat wall inclined upwardly and outwardly from the cylin-



drical surface of said chamber and a lower flat wall inclined downwardly and outwardly from said conical inner surface, said upper and lower walls forming corners at each side of said slot in horizontal line with said annular corner, and a valve member engaged in said cylindrical chamber having a cylindrical peripheral surface and a lower surface forming a relatively sharp shearing edge therewith, and a spring engaged between the upper side of said valve member and the upper end of said chamber normally pressing said lower surface against the upper end of said neck portion with its cylindrical surface sealing said outlet slot.

2,572,467
CONCENTRATION AND RECOVERY OF CAROTENOID PIGMENTS FROM PALM OIL
Arthur Ira Gebhart, Union, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 4, 1949, Serial No. 108,649
12 Claims. (Cl. 260—236.5)

11. A process for recovering a carotenoid concentrate from palm oil which comprises saponifying said palm oil with an alkaline saponifying agent at a temperature of less than about 150° C. to convert triglycerides of palm oil to soaps, acidifying said soaps to free fatty acids containing carotenoid pigments of palm oil in admixture therewith, dissolving the resulting fatty acid-carotenoid mixture in an inert organic solvent, lowering the temperature of said mixture to crystallize at least a major portion of the fatty acids therefrom, separating said crystallized fatty acids and recovering a carotenoid concentrate.

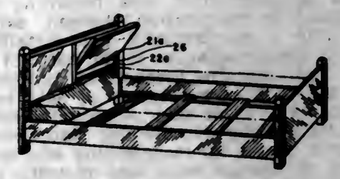
2,572,468
CAMERA TRIPOD
Horace N. Gibson, St. Paul, Minn.
Application November 29, 1946, Serial No. 713,008
7 Claims. (Cl. 248—181)

2. A tripod including a tripod head having a socket in the upper surface thereof, an elongated swivel head including a hollow cylindrical body having a rounded lower end, an aperture in said rounded lower end, a clamping member within said hollow swivel head shaped to fit the curvature of the rounded lower end, a threaded member extending through said tripod head, through said aperture and through said clamping member, means on said threaded element engageable



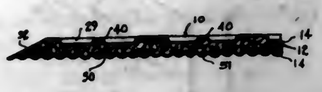
against said clamping member to clamp the same against the rounded lower end of said swivel head, the aperture in said swivel head being of considerably greater size than the diameter of said threaded element, and a pair of diametrically opposed elongated slots in said swivel head extending from the upper end thereof to a point adjacent the rounded lower end thereof.

2,572,469
BEDSTEAD
Raymond W. Gimmler, New York, N. Y.
Application June 4, 1946, Serial No. 674,219
3 Claims. (Cl. 5—327)



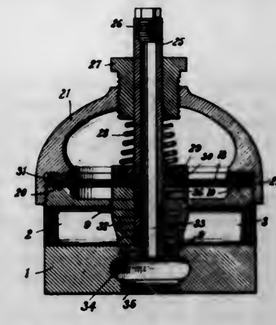
1. A bed designed for use with a mattress and having a headboard, said bed including a panel, pivotal connections between one edge of said panel and the remainder of the headboard whereby said panel may lie in a vertical plane to form a portion of the headboard, said headboard having an opening into which said panel can fit, said panel being padded and upholstered on the back face thereof, said pivotal connections being so positioned that the panel may be swung out forwardly into an inclined position to rest on the top of the mattress to bring the upholstering upon the upper face thereof with the pivots above the level of the top face of the mattress.

2,572,470
GRID AND WAFFLE DESIGN RUG CUSHION
Jack C. Gordon, Detroit, Mich., assignor to Allen Industries, Inc., Detroit, Mich.
Application September 15, 1949, Serial No. 115,877
1 Claim. (Cl. 41—24)



Floor covering rug cushion underlay comprising a loosely matted felted fiber cushion having a substantial thickness coated upon both upper and lower surfaces with a relatively thin dry layer of rubber latex having integrally included therein the outer fibers only of said matted cushion base, and thermally set as a continuous highly resilient integral rubber film by hot embossment into the upper and lower surfaces of said cushion, one of said embossed surfaces comprising a plurality of wide indentations, said indentations being separated from each other by unindented rigidifying ridge portions extending both laterally and longitudinally in said rug surface to define a checkered pattern, the opposite side of said rug embossment comprising a series of longitudinal ribs separated by narrow longitudinal indentations, said longitudinal ribs being laterally spaced to provide a longitudinal rib to directly reinforce, vertically support and longitudinally coincide with each longitudinal rib on the opposite face.

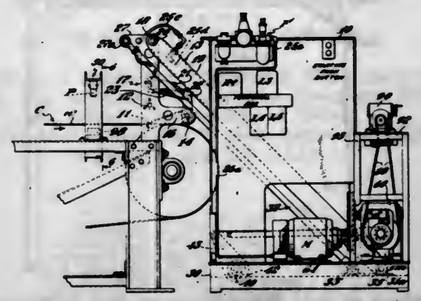
2,572,471
VALVE
Rene Gouirand, New York, N. Y.
Application March 2, 1945, Serial No. 580,656
6 Claims. (Cl. 251—137)



1. A valve having a casing provided with a passage having outlets at its opposite ends, said outlets leading out of the casing, a valve seat in said passage, a plug valve adapted to fit against the seat and when seated to shut off communication between the end portions of the passage, a diaphragm in which the valve is mounted, a spring co-operating with the diaphragm to normally maintain the valve in closed position and cause it to close the inner ends of the passage, and closure means for the casing including a part for confining the marginal edge portion of the diaphragm between it and the casing.

2,572,472
CONVEYER UNLOADING APPARATUS
Roger L. Griffin, Marblehead, Mass., assignor to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Application March 10, 1949, Serial No. 80,713
12 Claims. (Cl. 271—85)

1. Apparatus for removing sheets of material from a conveyor comprising a base adjacent to said conveyor, a movable frame having a part pivotally connected to said base, a plurality of fingers adapted to grip sheet material spaced from the pivoted part of said frame, said frame being normally positioned so that said fingers intercept the path of said sheet material, driving means for oscillating said frame between the normal and an unloading position, and control means including detecting means responsive to the approach of each sheet to close said fingers to grip the sheet material and conjointly to connect said driving means to move said frame to the unloading position, said control means opening said



fingers to drop said sheet material when the frame reaches the unloading position and subsequently returning the frame to the normal position thereby to complete the operating cycle.

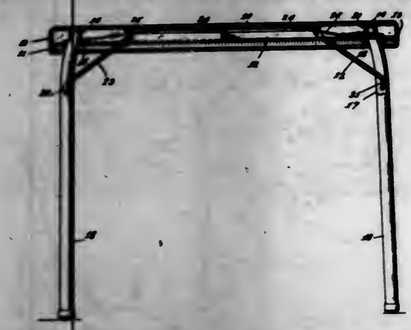
2,572,473
METHOD OF PLANT PROPAGATION
William R. Grove, Laurel, Fla., assignor to Dewitt Eaton, Sarasota, Fla.
No Drawing. Application July 31, 1947, Serial No. 765,259
1 Claim. (Cl. 47—58)

In plant propagation, the method which comprises mutilating an area of a branch of a living plant which is to be employed in developing a new plant, enclosing this area in moist rooting material, wrapping a film of plastic material about the moist rooting material, retaining the wrapping in place until the branch has developed roots at the mutilated area, and then severing the branch below the rooted area; the said plastic material being substantially moisture-impervious but pervious to CO_2 and O_2, thereby to retain the moisture in the rooting material without deleteriously impairing the passage of O_2 to and the passage of CO_2 from the plant, and sufficiently weather-resistant to resist deleterious deterioration until the said roots have developed at the mutilated area.

2,572,474
COLLAPSIBLE TABLE WITH LOCK MEANS FOR PAIRED LEGS
Bertis F. Hamilton, Columbus, Ind.
Application July 23, 1948, Serial No. 40,356
1 Claim. (Cl. 311—84)

A collapsible table, comprising a top having a depending peripheral flange, inner and outer pairs of legs pivotally mounted on said top near opposite ends thereof and swingable between collapsed positions within said flange and extended positions in which they project downwardly to support the top, means for releasably holding the legs in their extended positions, said outer legs lying between the inner legs and said flange when the legs are in collapsed positions, and being so spaced that their free ends frictionally engage said flange when the outer legs are in collapsed position, the means for holding the outer legs in their extended positions including a generally U-shaped brace having an intermediate portion and side portions the ends of which are pivotally connected to the outer legs, and means on said top guiding the intermediate

brace-portion as the outer legs are swung between collapsed and extended positions, the side



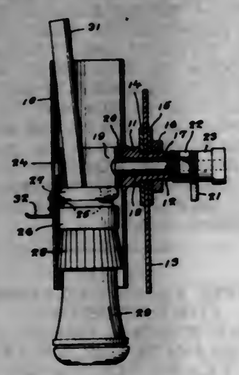
portions of said brace being shaped to frictionally engage and releasably retain the inner legs when the legs are collapsed.

2,572,475

SAFETY CIGARETTE LIGHTER FOR MOTOR VEHICLES

Oscar Hanson, Portland, Oreg., assignor of four-sixths to Harold H. Hanson and Edmond C. Hanson, both of Flaxville, Mont., Bernice E. Hanson, Portland, Oreg., Marjorie J. Dietrich, Pasco, Wash., Delores W. Ley, Kennewick, Wash., jointly; one-sixth to E. J. Hyche and one-sixth to N. B. Ludewese, both of Portland, Oreg.

Application May 13, 1949, Serial No. 93,012
1 Claim. (Cl. 219—32)



In a motor vehicle cigarette lighter, the combination which comprises a vertically disposed substantially hollow tube having open ends, a band having spaced spring fingers depending from the lower edge thereof mounted in the tube, insulated therefrom and positioned substantially midway of the length thereof, said hollow tube having a laterally disposed supporting tubular shank with a threaded outer end extended from one side thereof, a stud extended from the said band through the shank and having a threaded outer end with current supplying wire connecting elements thereon, said stud being insulated from the shank and providing a contact for the band and spring fingers extended therefrom, said hollow tube and band having openings therethrough providing an air inlet and also means for observing lighting of a cigarette in the lighter, mounting elements positioned on the threaded end of the said shank, a lock nut threaded on the said shank and positioned to coact with the said mounting elements for securing the said hollow tube to an instrument panel of a motor vehicle, and a lighter element having a heating coil and a bead around the upper end and spring fingers extended from the intermediate part thereof and also having a knob extended from the lower end positioned in the said hollow tube, said lighter element being retained in position by the bead that is held in the said spring fingers on the band and providing means for completing a circuit from the band and stud and through the bead, heating coil and spring fingers of the lighter element to the instrument panel through the said hollow tube.

2,572,476

PLUNGER-TYPE FOUNTAIN PEN

Lawrence E. Harbison, Berkeley, Calif.

Application May 6, 1947, Serial No. 746,373
2 Claims. (Cl. 120—47)



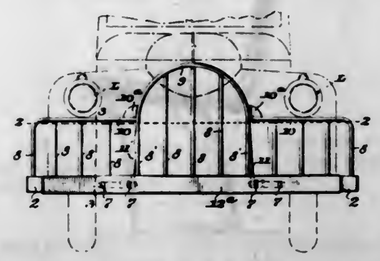
1. In a plunger-type fountain pen, an outer barrel constituting an ink reservoir and having a non-circular bore, a non-circular piston mounted within the barrel for reciprocation, a rod secured to the piston and having a radial projection, an innermost sleeve slidably receiving the rod and having a spiral groove to receive the radial projection of the rod, a second sleeve surrounding the innermost sleeve and secured to the innermost sleeve to move axially and to rotate with the innermost sleeve as a unit, the second sleeve having a spiral groove formed therein, an outermost sleeve slidably receiving the second sleeve and having a radial projection engaging within the spiral groove of the second sleeve, the outermost sleeve having a spiral groove formed therein, a first polygonal tube rotatably mounted within said barrel and receiving the outermost sleeve, a radial projection carried by said tube and engaging in the spiral groove of the outermost sleeve, a second polygonal tube surrounding said first tube and all of said sleeves and adapted to turn with said first tube and to move longitudinally thereof, a third polygonal tube surrounding said second tube and arranged adjacent to the innermost and second sleeves and having one end secured to an end of the second sleeve, the third tube being rotatable with the first and second tubes and shiftable longitudinally with respect thereto, a push rod secured to one end of the outermost sleeve and extending through the first tube and beyond one end of the first tube and being longitudinally shiftable and held against rotation, whereby longitudinal movement of the push rod will impart exaggerated longitudinal movement to the piston, and a spring connecting the push rod and barrel and serving to hold the push rod in a retracted position.

2,572,477

GRILLE GUARD FOR AUTOMOBILES

Harvey Edwin Harden, Prescott, Ariz.

Application June 24, 1947, Serial No. 756,577
1 Claim. (Cl. 293—60)



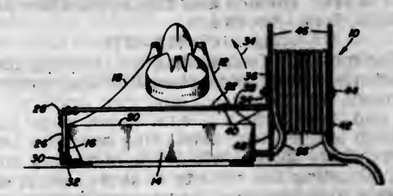
A grill guard comprising an inverted L-shaped base bar extending from one side of the automobile to the other, supporting brackets carried by the side frame members of the automobile, said brackets being secured to the depending member of the L-shaped bar, vertically disposed guard rods arranged at spaced intervals along the base bar and rigidly attached to the upper side of the horizontal member of said base bar, an arch shaped rod formed integral with and connecting respectively the rods directly in front of the side frame members, said arch shaped rod being disposed directly in front of the radiator, the rods beneath the arch shaped rod being extended and connected thereto, each rod at the end of the base bar being extended into a horizontal rod disposed in front of and below the respective lamps and connected to said arch shaped rod, the rods beneath each horizontal rod being rigidly connected therewith, and brace members connected to the side frames of the automobile and to the horizontal and arch shaped rods for rigidly supporting the grill.

2,572,478

CORD REEL ATTACHMENT FOR TELEPHONES

John H. Hawkins, Los Angeles, Calif.

Application December 16, 1948, Serial No. 65,607
1 Claim. (Cl. 242—106)



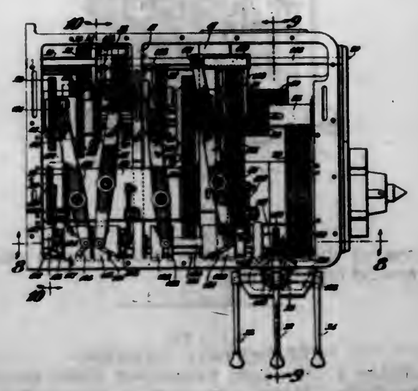
A cord reel attachment for telephone instruments, comprising a horizontal plate provided with an opening to receive an upwardly tapered base of a telephone instrument; a flap hinged to one edge of said plate and extending downwardly therefrom, a hook-shaped bracket provided at the lower edge of said flap to engage a lower edge portion of the stated base, and a cord receiving reel mounted on said plate.

2,572,479

LATHE SPINDLE SPEED CONTROL MECHANISM

William G. Hoelscher, Cincinnati, Ohio, assignor to The American Tool Works Company, Cincinnati, Ohio, a corporation of Ohio

Application September 8, 1945, Serial No. 48,246
8 Claims. (Cl. 116—115.5)



1. In a head stock for a lathe or the like, a spindle, a gear train, a plurality of shiftable speed change gear units in said gear train to vary the spindle speed, a shifter arm operatively connected to each of said speed change gear units, two of said units being interrelated and adapted to be shifted relative to each other to provide a series of speed ranges, a cam shaft, a pair of cams fixed to said shaft and connected to the shifter arms of said interrelated speed change units, a selector lever in operative connection with said cam shaft to actuate said pair of cams in unison, a second group of cams loosely journalled on said shaft, individual selector levers operatively connected to said loosely journalled cams operable to shift the same independently of said fixed pair, and a respective shifter arm connected to said cams.

2,572,480

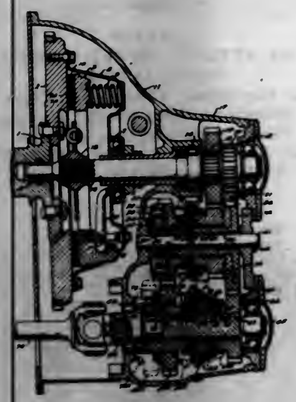
TRANSMISSION

Roscoe C. Hoffman, Detroit, Mich.

Application June 17, 1947, Serial No. 755,212
21 Claims. (Cl. 74—359)

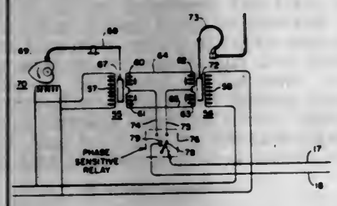
1. In a power-drive assembly comprising a main clutch and a change speed gear transmission, a shaft drivable through the main clutch, a pair of driving gears of different sizes fast upon said drivable shaft, a countershaft, an output shaft, a driven gear carried by said output shaft, and means carried by the countershaft for transmitting a drive to said driven gear from either of said driving gears including a gear meshing with said driven gear and free upon the countershaft, a releasable clutch for establishing a positive two-way driving connection between said free countershaft gear and one of said driving gears, and an overrunning clutch providing a permanent one-way driving connection between said free countershaft gear and the other of the driving gears, whereby by selective engagement and disengagement of said releasable clutch said free gear may be driven either positively by one

of the driving gears, or through said overrunning clutch by the other of said driving gears to impart



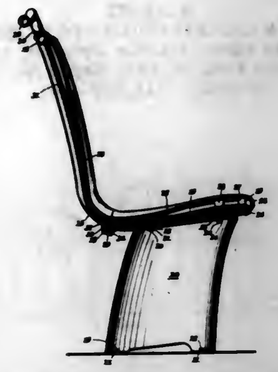
drives of differing torque ratios to said output gear and output shaft.

2,572,481
TELEMETRIC SYSTEM
Anthony J. Hornfeck, Lyndhurst, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Original application October 25, 1947, Serial No. 782,114, now Patent No. 2,524,665, dated October 3, 1950. Divided and this application April 22, 1950, Serial No. 157,555
7 Claims. (Cl. 177—351)



1. A mechanism for transmitting signals representative of a variable condition including in combination, a closed loop circuit including two pairs of secondary transformer windings, an energized primary winding for each pair of secondary windings, means for increasing the flux linkage between each primary and a secondary of each pair and to decrease the flux linkage with the other secondary of each pair to produce a net differential voltage across the two secondaries of each pair whose magnitude is a linear function of the movement of the flux linkage means, means for uniformly varying the linkage between one set of primary and secondary windings within predetermined limits, means for varying the linkage between the other set of primary and secondary windings in response to changes in the variable to be measured, a phase sensitive device connected to said closed loop at points between the two secondary windings of each included pair, and a circuit connected to a source of power and having a contactor controlled by said phase sensitive device.

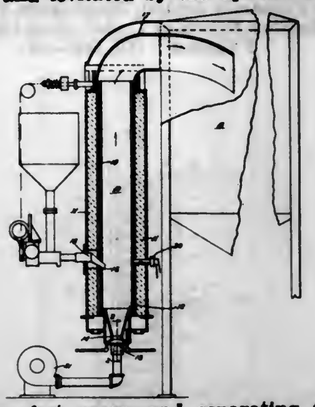
2,572,482
VEHICLE CHAIR
Alfred C. Hoven and Willard H. Bond, Jr., Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 1, 1948, Serial No. 24,488
8 Claims. (Cl. 155—195)



1. In a chair structure of the class described: a chair support; a chair frame mounted on the chair support and comprising a substantially horizontal seat supporting bar, a substantially horizontal back supporting bar spaced rearwardly from and above said seat supporting bar, and a substantially horizontal intermediate supporting bar spaced rearwardly from said seat supporting bar and below said back supporting bar, said intermediate bar being of upwardly-forwardly opening channel formation; a chair seat having its forward edge mounted on the seat supporting bar and having its rearward edge provided with a rearwardly-downwardly extending flange seated in the forward part of the channel in the intermediate bar; and a chair back having its upper edge mounted on the back supporting bar and having its lower edge provided with a rearwardly-downwardly extending flange seated in the rearward part of the channel in the intermediate bar; said chair seat and said chair back each comprising a unitary sheet of rigid material so formed that when secured together the seat and back provide a smooth continuous curved surface generally conforming to the seat and back contour of the seated human body.

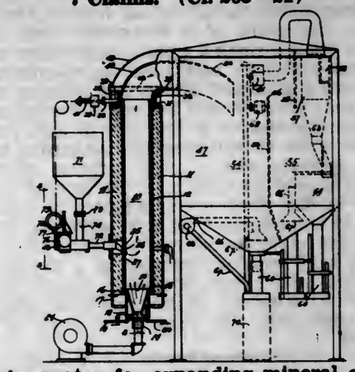
2,572,483
METHOD FOR EXPANDING PERLITE
Ernest O. Howie, Chicago, Ill.
Original application September 17, 1947, Serial No. 774,614. Divided and this application July 16, 1948, Serial No. 39,048
5 Claims. (Cl. 252—378)

1. The method of expanding intumescing mineral materials which comprises directing upwardly through an elongated chamber open at its upper and lower ends a stream of hot gases having a high temperature expanding zone at a temperature above that at which the materials intumesce, adjusting the velocity of said gases at and above said high temperature zone to a value which will levitate the material in intumesced condition and carry it out of the chamber with the gases but will not levitate the material until it has intumesced, feeding a stream of said material in granular form into said chamber so that it falls downwardly into the high temperature zone of said gases and is heated thereby until it is intumesced and levitated by the upward force of



said rising hot gases, and separating the intumesced material from the hot gases after it is carried thereby from said chamber.

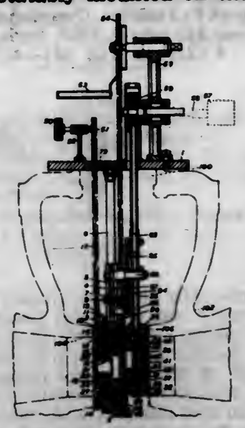
2,572,484
APPARATUS FOR EXPANDING PERLITE AND THE LIKE
Ernest O. Howie and Roger W. Jackson, Chicago, Ill., and Norman M. Foster, New Castle, Ind.; said Jackson and said Foster assignors to said Howie
Application September 17, 1947, Serial No. 774,614
7 Claims. (Cl. 263—21)



1. Apparatus for expanding mineral comprising in combination a cylindrical sheet metal expanding chamber, a support for suspending said chamber from a point adjacent its top so that it hangs freely from its support, a fuel supply introducing burning gaseous fuel into said chamber to provide an expanding zone heated to temperatures sufficient to expand said minerals, a mineral feeder for introducing mineral to be expanded into said high temperature zone, and mechanism for periodically delivering a blow to said metal walls to dislodge mineral material adhering thereto.

2,572,485
VALVE REPAIRING MACHINE
Richard Harold Hunter, Coulsdon, and Cyril George Seeds, London, England, assignors to Dewrance & Company Limited, London, England, a British company
Application March 4, 1949, Serial No. 79,548
In Great Britain March 12, 1948
7 Claims. (Cl. 51—241)

1. A machine for repairing a valve seat face of a parallel slide valve, comprising gyratory means for applying a tooling action to the valve seat face, a rotatable member, a first bearing through which the gyratory means is rotatably mounted on the rotatable member, an abutment member adapted to engage the valve body internally thereof, a second bearing which has an axis of rotation parallel with and eccentric to that of the first bearing and through which the rotatable member is rotatably mounted on the abutment



member, locating means for locating the abutment member within the valve body relative to the valve seat face to be repaired, means for varying the relative positioning of the abutment member and gyratory means in the direction of the axis of rotation of the gyratory means, driving means for rotating the gyratory means, and driving means for rotating the rotatable member.

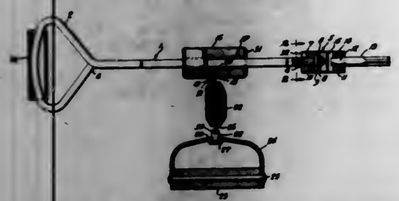
2,572,486
CONTAINER AND COVER THEREFOR
Bailey L. Isaac, Norton, Va.
Application September 16, 1949, Serial No. 116,189
1 Claim. (Cl. 220—38)



In an ash and garbage can, a vertically elongated receptacle having an open upper end, a handle on the back of the receptacle at the upper end thereof and projecting away from the back at an upward angle, the opposite sides of the upper end of the receptacle being formed with grooves at the ends thereof adjacent to the back of the receptacle, said grooves having vertically extending components joined at their lower ends by portions of the grooves, and a cover for the open upper end of the receptacle having depending side flanges having projections pivotally and slidably engaging said grooves, one of said groove components being inclined in the direction of the back of the receptacle and closed at its upper end, said cover thereby being adapted to be tilted upwardly and toward the back of

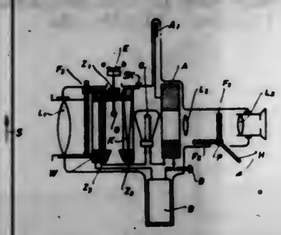
the receptacle from a closed position so as to move said projections along the grooves to the closed upper ends of the inclined groove components wherein the cover is frictionally held in an open position in which the back end of the cover supportably rests upon said handle.

2,572,487
MANUALLY OPERATED IMPACT TOOL
Rupert F. Jackson, Cleveland, Ohio
Application January 4, 1949, Serial No. 69,200
4 Claims. (Cl. 255—42)



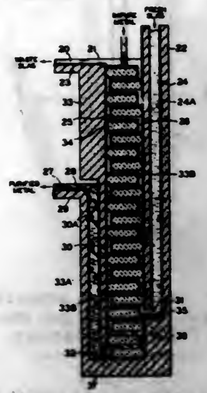
1. In a manually operated impact tool comprising an elongate rod, a tubular hammer mounted for reciprocating movement thereon, a chuck having an axially extending hole therein receiving one end of said rod, and means connecting said chuck to said rod, an elastic means pivotally connected to said hammer and having a free end adapted to be manually grasped whereby said elastic means may be swung to actuate said hammer.

2,572,488
APPARATUS FOR THE MEASUREMENT OF TEMPERATURE BY COLOR COMPARISON
Adolf Jagersberger, Saint Gilgen, Austria
Application February 26, 1948, Serial No. 11,292
In Austria February 4, 1947
Section 1, Public Law 690, August 8, 1946
Patent expires February 4, 1967
1 Claim. (Cl. 88—22.5)



A colour pyrometer for determining the temperature of an object comprising an optical system including lenses adapted to be directed toward said object, means for attenuating the intensity of the light from said object in said system, means for generating a comparison light source in the system, means for adjusting the intensity of said light source, a viewing means for conjointly observing the object and the light source, and a pair of colour filters of different colours arranged side by side in the field of vision in said system between the light source and the viewing means, the amount of the adjustments of the attenuating means and of the light source adjusting means when the light source becomes invisible to the observer through both filters serving respectively as indicator of the color emission property, and the temperature of said object.

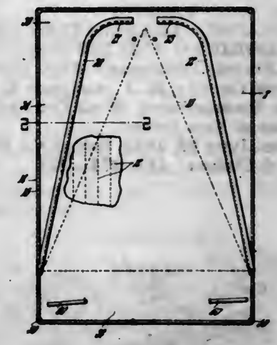
2,572,489
REFINING TOWER
James Fernando Jordan, Huntington Park, Calif.
Application February 1, 1949, Serial No. 73,993
2 Claims. (Cl. 266—34)



1. In a continuous refining vessel having two vertical, refractory passages adapted to communicate with a vertical, refractory, refining chamber so as to circulate in countercurrent contact within said refining chamber two substantially immiscible metallurgical liquids, the combination therewith of a staggered stack of refractory shapes resting upon one another within and unattached to said refining chamber, said shapes being arranged within said refining chamber so that each of said shapes is overlapped by the adjoining shapes at one side of said refining chamber while overlapping said adjoining shapes at the opposite side of said refining chamber; and a channel formed in a horizontal surface of each of said shapes and adapted to lead said liquids to the channels in said adjoining shapes, so that the heavy metallurgical liquid flows down through said refining chamber as a stream that partly fills said channels and in countercurrent contact with a stream of the lighter metallurgical liquid that fills the remaining part of said channels.
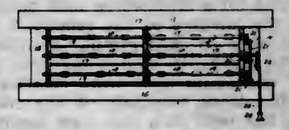
2,572,490
COMBINATION SLEEPING BAG AND BLANKET
Julius Kaplan, Springfield, Mass.
Application March 20, 1951, Serial No. 216,535
2 Claims. (Cl. 5—343)

1. A device of the class described comprising a plurality of layers superposed one above another and secured, at the edges of said plurality, to each other, one of said layers being made of waterproof material, a pair of stringers each including a straight portion, said straight portions converging from corresponding points towards and terminating short of one end of said device, each stringer including a second portion extending from the straight portion thereof toward said one end and curving towards the corresponding portion of the other stringer and terminating short of the medial line of said device, said one end and the sides of said device being shiftable one towards another into a predetermined relationship to form the wall structure of a sleeping bag, each of said stringers including a series of spaced fastener elements constructed to interlock with the fasteners of the other series, each series extending from substantially one end of its stringer to the other end thereof, and slider



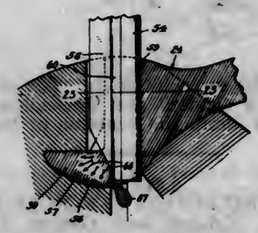
mechanism shiftable along said stringers to cause interlocking engagement of the fastener elements to hold said one end and said side in said predetermined relation.

2,572,491
FIREPLACE DAMPER
William L. Keilwitz, Idaho Springs, Colo.
Application March 17, 1947, Serial No. 735,201
1 Claim. (Cl. 126—288)



A damper unit for fireplace installation comprising a pair of relatively long, identical angle bars in spaced parallelism with their corresponding vertical legs paralleled in spaced opposition and their horizontal legs oppositely outstanding as mounting flanges in spaced parallelism outwardly from an upper margin of one and a lower margin of the other of said vertical legs, a pair of relatively shorter, identical angle bars spacedly paralleled and perpendicularly connecting rigidly between the opposed vertical legs of said relatively long bars, each of said shorter bars being disposed inwardly from the adjacent ends of the longer bars thereby interconnected with its vertical leg opposed to the corresponding leg of the spacedly-related like bar and its horizontal leg projected outwardly from said vertical leg lower margin in coplanar relation with the lower horizontal mounting flange leg of the associated longer bars, whereby to define a rectangular draft opening bounded by the flat, opposed, vertical legs of said bars and surrounded by mounting flange outward projection of the angle bar horizontal legs and end-closed, upwardly and outwardly opening compartments exteriorly adjacent the draft opening ends determined by the shorter angle bar legs and the longer bar vertical legs thereby engaged, a strut rigidly engaging between said relatively longer bar vertical legs in parallel with said relatively shorter bars to bisect said draft opening, straight, cylindrical rods journaled in spaced, parallel relation for rotation about their respective axes in and through said strut and relatively shorter bar vertical legs in longitudinally traversing relation across said draft opening to similarly project at their ends beyond said shorter bar legs and into the compartments thereby determined, complementary panels fixed in balanced relation to and for rotation with said rods in obstructing relation within both sections of the draft opening, and connections housed within one of the compartments adjacent the draft opening ends colinking the corresponding rod ends therein for selective, simultaneous rotation in maintained parallelism of their associated panels.

2,572,492
METHOD OF MAKING ADJUSTABLE JAW WRENCHES
Karl F. W. Kempf, Buffalo, N. Y., assignor to McKaig-Hatch Inc., Buffalo, N. Y., a corporation of New York
Application September 11, 1948, Serial No. 48,815
11 Claims. (Cl. 76—114)

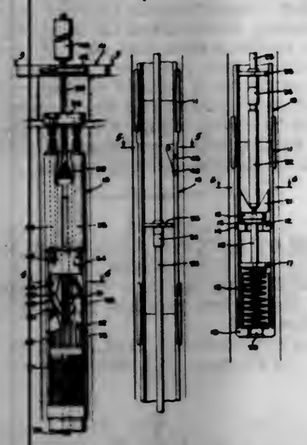


1. The method of forming a slideway in a main wrench member provided with a handle, a head at one end of said handle and a jaw extending from said head and forged integral therewith; which consists in heating and forging a piece of suitable metal into a blank having said handle, head and jaw rudimentarily formed, in drilling a cylindrical hole through said head in a plane at an angle to the face of said jaw, in milling into said head from the front-edge face towards or to said cylindrical hole in reheating said blank and forcing a punch through said cylindrical hole having a widened parallel sided portion rounded along its rear edge and reduced in thickness along its front portion to form angular steps on said punch at opposite sides thereof so as to punch regions of the metal outwardly from the wall of said cylindrical hole and convert said cylindrical hole into a slideway having a semi-cylindrical rear-half portion and an angular front-half portion forming flat rearwardly facing abutments and during such punching operation form a throat in said head extending from the so converted slideway to the front-edge face of said head.

2,572,493
DUMP BAILER
Ralph J. Klaasen, Lompoc, and Eugene M. Olsen, Avenal, Calif.
Application April 2, 1949, Serial No. 85,122
3 Claims. (Cl. 166—19)

1. A dump bailer comprising a barrel adapted to be lowered into a well on a line, a valve seat adjacent the bottom of the barrel, a valve adapted to seat thereon, spring means urging the valve into open position, a retaining element in the barrel engageable with the valve to hold the valve in closed position, said retaining element having teeth thereon, one or more dogs mounted for vertical adjustment in the body engageable with the teeth to hold the retaining element in valve

closing position, a weight adapted to be dropped on the line, and means arranged to be struck



by the weight for causing the dogs to disengage the retaining element and thus allow the valve to open and dump the contents of the bailer.

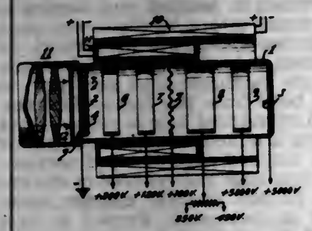
2,572,494

VELOCITY SELECTION IN ELECTRON TUBES

Gardner L. Krieger and George A. Morton, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application June 28, 1946, Serial No. 679,928

10 Claims. (Cl. 315—11)



1. An electron discharge device comprising, an envelope, a target electrode mounted within said envelope, said target electrode formed of a material having a specific electrical resistance which is a function of radiant energy impinging thereon, a conductive coating on one surface of said target electrode, an electron emissive material on an opposite surface of said target electrode, a fluorescent screen within said envelope, and a selector electrode mounted between said target electrode and said fluorescent screen, a first source of radiant energy adjacent said target electrode for establishing a specific resistance between said conductive and said electron emissive coating, lead means connected to said conductive coating for joining said coating to a first potential, electrode means within said envelope for accelerating the electrons from said emissive coating toward said fluorescent screen, means for focusing additional radiation similar to that of said first source from a second source of radiant energy upon said target electrode for changing the specific resistance of said target electrode, and lead means connected to said selector electrode for joining said selector to a second potential for blocking electrons from those portions of the emissive target coating in contact with said target portions not subjected to radiations from said second source of energy.

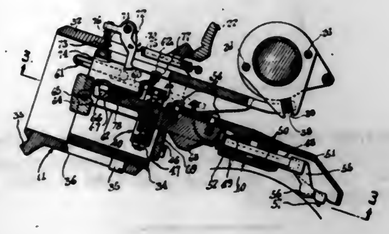
2,572,495

PHONOGRAPHIC TRANSLATING DEVICE FOR RECORDING AND REPRODUCING

Louis Z. La Forest, Parsippany-Troy Hills Township, Morris County, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application June 28, 1946, Serial No. 680,313

6 Claims. (Cl. 274—30)



1. In a phonographic translating device adapted for selectively recording on or reproducing from a moving record: the combination of a frame, a gimbal member pivotally supported by said frame on a transverse axis substantially parallel to the surface of the record, a translating unit pivoted to said gimbal member on an axis at right angles to said transverse axis, and means for centering said unit relative to said frame in directions laterally of the record and for locking the unit in a centered position comprising a slotted member and a cooperable tapered member, one of said members being fixedly secured to said unit and the other being carried by said frame and mounted for movement in a plane at right angles to said transverse axis.

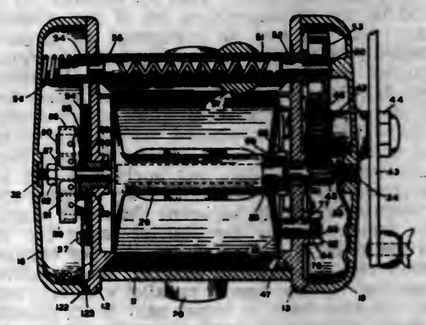
2,572,496

BRAKE FOR FISHING REELS

Gordon F. Laing, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware

Application February 4, 1946, Serial No. 645,334

9 Claims. (Cl. 188—187)



1. In a fishing reel, a frame including an end plate, a spool shaft rotatably mounted in said frame, said shaft having a cylindrical bearing member fixed to and projecting from said end plate, a braking surface member rotatably and slidably mounted on the projecting portion of said bearing member, said bearing member having a cylindrical external bearing surface on which said braking surface member is supported and said braking surface member having a flat annular braking surface, centrifugally operated braking members co-acting with said braking surface responsive to rotation of the spool, and means independent of said bearing member and responsive to rotation of the said braking surface member to slide the same on said bearing member and vary the pressure developed on said braking surface by said braking members at a given rotational speed.

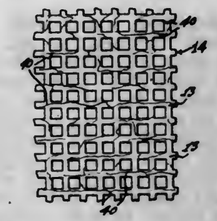
2,572,497

MAKING FINE MESH SILICA SCREENS

Harold Bell Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1948, Serial No. 62,731

6 Claims. (Cl. 18—57)



2. The method of forming a silica screen, said method comprising the steps of, chemically precipitating a coating of silica upon a metal screen, removing said metal screen from said silica coating by acid.

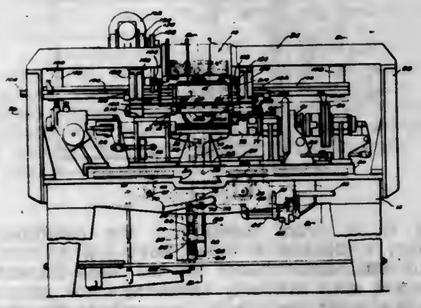
2,572,498

BRUSHMAKING MACHINE

Alfred L. Le Febvre, Windsor, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut

Application May 2, 1946, Serial No. 666,735

24 Claims. (Cl. 300—2)



1. The combination in a brush making machine, of a magazine for brush fibers, a twisting mechanism having an operative position horizontally spaced from the fiber magazine and parallel therewith, a carrier for wires and fibers, means for moving the carrier to a position beneath and close to the fiber magazine and for then moving it translationally and in parallelism to a position in alignment with the operative position of the twisting mechanism, and means for separating fibers from the fiber magazine and distributing them on the carrier while in its position beneath the said magazine.

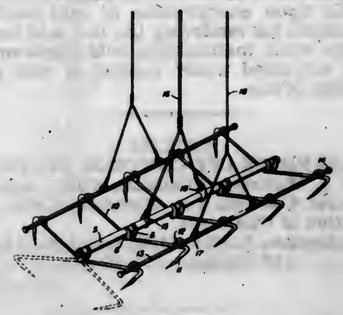
2,572,499

GRAPPLE

Frank J. Light, Sandusky, Mich.

Application January 21, 1948, Serial No. 3,611

1 Claim. (Cl. 294—107)



A grapple comprising a central hoisting bar, pairs of collars secured to the bar at longitudinally spaced apart intervals, a pair of grappling hooks pivoted at their inner ends to each pair of collars and extending outwardly at opposite sides of the bar, aligned eyes on the hooks, and rods loosely positioned in the eyes to connect the hooks at each side of the grapple for uniform raising and lowering movement while permitting the hooks to spring laterally, said bar having a hoisting cable attached thereto, and said rods having releasing cables attached thereto.

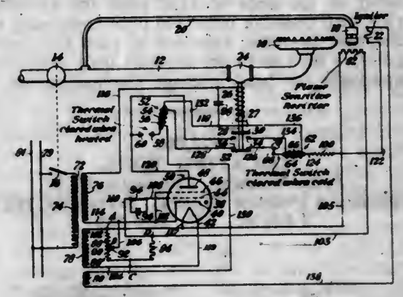
2,572,500

SAFETY CONTROL AND IGNITION SYSTEM FOR FUEL BURNERS

Robert C. Main, Los Angeles, Calif., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware

Application March 5, 1947, Serial No. 732,447

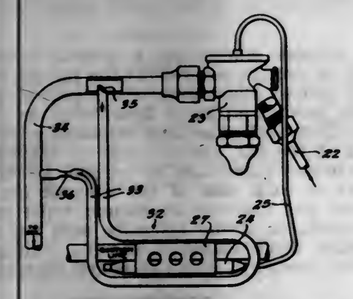
6 Claims. (Cl. 158—117.1)



1. In a control system for fuel burning apparatus having a source of fuel supply, the combination of valve means for controlling a flow of fuel to be burned, electromagnetic means for operating said valve means between controlling

positions, an electron discharge device having the output circuit thereof connected to said electromagnetic means for controlling the supply of energy thereto, biasing means for normally applying a negative bias to said device for rendering the same effectively non-conductive, said biasing means including resistance means adapted to be responsive to temperature changes caused by the heat of the burning fuel for varying in resistance value and causing a sufficient reduction in said bias to render the device conductive, a timing device operable for controlling said output circuit, means for rendering said timing device operable for establishing said output circuit after a predetermined period during which said resistance means has time to become responsive, and means operable upon energization of said electromagnetic means for rendering the last said means inoperable while maintaining said electromagnetic means energized under control of said electron discharge device.

2,572,501
REFRIGERANT CONTROL SYSTEM
Harold J. Matteson, Glendale, Calif., assignor to General Controls Co., Glendale, Calif., a corporation of California
Application April 9, 1948, Serial No. 19,935
12 Claims. (Cl. 62—3)



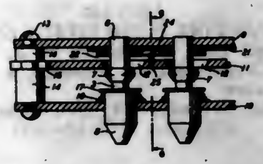
1. In a refrigerating system: a cooling unit comprising a coil; means for passing refrigerant through said coil; a thermostatic expansion valve for controlling passage of said refrigerant, and comprising means responsive to the temperature at the outlet end of said coil for controlling the operation of the valve; means constituting a pipe connecting the outlet of said valve to the inlet of said coil; and means comprising a tube connected at both of its ends to said pipe for conducting refrigerant, passing into said pipe from said valve, in thermal-transfer relation to said temperature responsive means in an amount only sufficient to compensate for heat leakage thereadjacent.

2,572,502
LOCATING TOOL
John Maxwell, Elizabeth, N. J.
Application October 21, 1947, Serial No. 781,071
1 Claim. (Cl. 29—285)



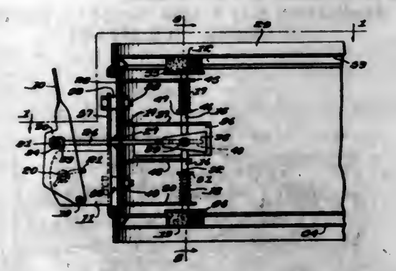
Means for temporarily securing the flanged portion of an object in place upon its support while permanent fasteners are being applied, said means comprising an elongated shank externally threaded at each end, a handle slidably mounted on said shank, a set screw carried by the handle for locking said handle in selectively adjusted position longitudinally along said shank, and means receivably engaged on said threaded ends for supporting the flanged portion of an object and for limiting the sliding movement of the handle on the shank in both directions.

2,572,503
KEY EQUIPPED TELEPHONE SET
John M. Melick, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 23, 1947, Serial No. 793,559
9 Claims. (Cl. 74—483)



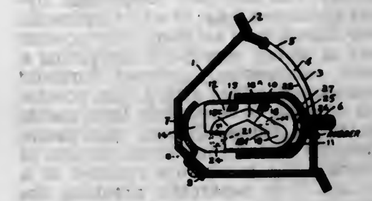
1. In combination, a key unit, a plurality of switching keys included in said unit, a latch plate, means associated with each of said keys for moving said latch plate when each of said keys is operated, means for returning said latch plate to lock each of said keys in an operated position, and means associated with certain of said keys and with said latch plate for holding said latch plate from returning when said certain keys are simultaneously operated, said latter means comprising a flat spring member having an aperture therein and a pin secured to said latch plate and engageable with the aperture in said flat spring member.

2,572,504
LEVER ACTUATED DRUM TONE MODULATOR
Lonnie Meriwether, Mount Carmel, Ill.
Application January 6, 1950, Serial No. 137,118
2 Claims. (Cl. 84—411)



1. In a drum modulator, the combination which comprises a drum having a cylindrical wall with drum heads on the ends thereof, a bracket with inwardly extended arms mounted on the inner surface of the wall of the drum, stems with softening pads on the outer ends slidably mounted in the arms of the bracket, a cam slidably mounted on the bracket and positioned to engage the inner ends of the stems of the pads, means resiliently urging the stems against the cam, means frictionally retaining the cam on the bracket, a rod threaded in one end of the cam and extended through the wall of the drum, a bracket positioned on the outer surface of the wall of the drum, a lever pivotally mounted on the bracket on the outer surface of the wall of the drum, means pivotally connecting the bracket to the outer end of the rod extended through the wall of the drum, friction means in the connection between the lever and rod, and friction means between the lever and bracket positioned on the outer surface of the drum for retaining the lever in adjusted positions.

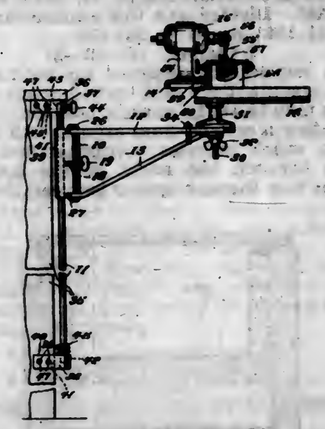
2,572,505
MERCURY-TO-MERCURY DOUBLE CONTACT SWITCH
Edwin August Miller, Fairfield, Conn.
Application October 15, 1947, Serial No. 780,054
1 Claim. (Cl. 200—152)



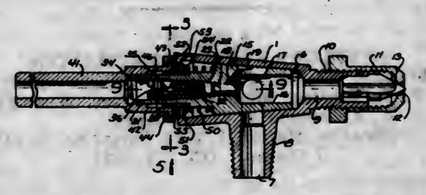
A mercury to mercury double electrical switch contact comprising an elongated insulation actuator mounted upon a base for tipping movement thereon, a single pocket within one end of said actuator, multiple pockets also within said actuator at the opposite end thereof and positioned along-side one another, each of said multiple pockets having an opening, a conductive metal closure provided by each of said openings, each of said closures including a terminal, a single passage connecting said single pocket with said multiple pockets, a barrier with which the floor of said passage is provided between said multiple pockets there dividing the course of said passage terminating in both multiple pockets, a ridge of elevation also provided by said floor intermediate said course, normally-separate deposits of mercury placed in each of said multiple pockets within which their respective metal closures are submerged, a substantial mercury deposit placed in said single pocket to an overflowing extent within said passage, and means for tipping said actuator in either direction; whereby, upon a longitudinal tipping of said actuator, mercury from said single pocket flows speedily along said passage to said ridge from which it suddenly plunges down both sides of said barrier and overflowing said multiple pockets and around said barrier thereby making simultaneously a full double contact with said closures.

2,572,506
LATHE AND MOTOR MOUNT
John Mongelli, Charles Mongelli, and Frank Bender, Washington, D. C.
Application December 9, 1948, Serial No. 64,364
3 Claims. (Cl. 248—16)

3. In a mounting bracket for machine tools of the bench type, the combination which comprises a vertically disposed supporting rod, means mounting the rod on a vertical member of a bench or the like, an outwardly extended bracket slidably mounted on said rod, means clamping the bracket in adjusted position on the rod, means clamping a machine tool on the outer end of the bracket, and a mounting plate having an extended arm thereon with bolt receiving openings in the plate and arm for mounting a motor on the bed of a machine tool mounted on the bracket.



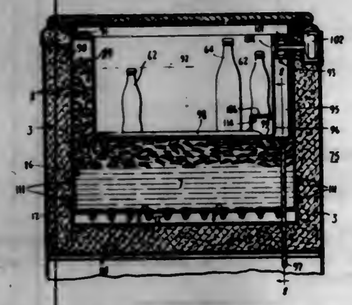
2,572,507
VALVE FOR CONTROLLING FUEL GAS
Ervin H. Mueller, Grosse Pointe, Mich.
Application August 18, 1948, Serial No. 44,893
4 Claims. (Cl. 251—99)



4. In a valve for controlling gaseous fuel having a body member and a valve member turnable therein, the members having ports for registering in an intermediate position of the valve member, an operating stem slidably keyed to the valve member, a pair of washers substantially concentric with the valve member, one of which is keyed to the valve member and the other of which is loosely keyed to the body member and both of which are axially shiftable relative to the valve member, a single spring for keeping the washers compacted against each other and against the operating stem and acting upon the valve member to seat it in the body member, locking means for holding the valve member against rotation, said washers having cooperating projections and recesses adapted to audibly click into engagement when the valve member is in said intermediate position, the locking means being releasable by axial shift of the operating stem and the washers relative to the valve member against the action of the spring means, and the projections and recesses of the washers adapted to audibly click into engagement when the operating stem and washers are in axially shifted position and in non-shifted position, with the audibility of the click increased when the operating stem and washers are in axially shifted position, and means for limiting the rotary movement of the valve member.

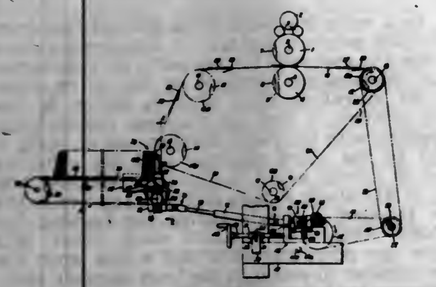
2,572,508
ICE MAKER AND BOTTLE COOLER
Glenn Muffly, Springfield, Ohio
Original application March 18, 1940, Serial No. 324,466. Divided and this application December 21, 1944, Serial No. 569,132
6 Claims. (Cl. 62—2)

3. A refrigerator designed for cooling bottled goods, a support for said bottled goods on which bottles may be set in upright position, means for circulating a cooling fluid around said bottles in a path which includes horizontal flow through spaces between the necks of the bottles and vertical flow through spaces between the vertical



sides of the bottles and means for cooling said fluid by circulation in heat exchange with a supply of relatively small pieces of ice before it is recirculated through said spaces, and means responsive to reduction of the stored supply of said ice to cause more ice to be frozen and released.

2,572,509
ENVELOPE FEEDING MECHANISM
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application March 11, 1949, Serial No. 80,842
7 Claims. (Cl. 271—62)

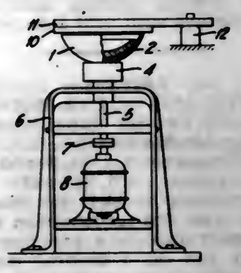


2. In an envelope printing mechanism having a conveyor which includes a substantially vertical pick-up stretch and which is provided with pick-up pins at uniformly spaced intervals for engaging and pushing the envelopes to advance them positively in properly timed and spaced relation, a stack feeder for advancing the blanks in stack formation to the conveyor comprising a two-speed conveyor along which the stacked envelopes are advanced in upright attitudes toward the pick-up point, a light source disposed to project light between the lower corners of envelopes advanced by the two-speed conveyor as they near the pick-up point, a photoelectric cell responsive to the transmitted light, and mechanism responsive to the photoelectric cell for reducing the speed of the two-speed conveyor when a desired critical envelope density is exceeded and for increasing the speed of the two-speed conveyor when the critical density is not maintained.

2,572,510
PROCESS FOR THE MANUFACTURE OF ARTIFICIAL PORPHYRY OR ARTIFICIAL GRANITE AND THE PRODUCT THEREOF
Ivan Orsini, Cairo, Egypt
No Drawing. Application January 21, 1948, Serial No. 3,548. In Great Britain March 7, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 7, 1964
3 Claims. (Cl. 25—155)

1. The process of forming an artificial tile having the mottled appearance and substantially equivalent physical characteristics of artificial granite, porphyry and the like comprising hydrating a finely powdered mass of white hydraulic lime intimately mixed with an inert filler powder with an excess of water, separately hydrating a finely powdered contrastingly colored Portland cement homogeneously mixed with a filler powder with an excess of water to separately form pastes of both cementitious bodies, allowing said pastes to partially hydrate with a substantial portion of the water whereby the pastes are reduced to a slightly moist condition, separately breaking the stiffened pastes into lumps and separately extruding said lumps through screens to form granules 4–8 mm. in diameter to separately produce homogeneous but contrastingly colored granular bodies, then mixing said separate granular bodies to homogeneously desirable contrastingly colored granules into a single mottled appearing moist cementitious mass without abrasively destroying the granular character thereof, pressing the granular mix in a mold at a pressure exceeding 250 kg. per sq. cm. to produce a finely set and non-porous cementitious molding, withdrawing the molded product from the mold and aging the same in water to complete the hydration and age the same to ultimate hardness and finely grinding and polishing at least one surface of said molded cementitious product to develop the mottled natural stone appearance.

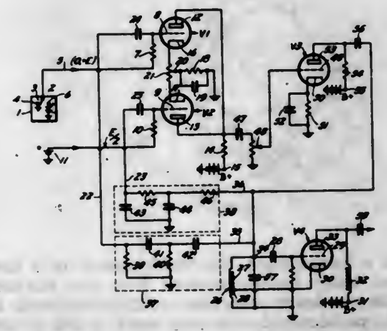
2,572,511
METHOD FOR PRODUCING DECORATIVE BOWL-SHAPED ARTICLES OF GLASS BY CENTRIFUGAL ACTION
Sven Ernst Robert Palmqvist, Orrefors, Sweden
Application December 19, 1945, Serial No. 636,016
In Sweden January 25, 1943
2 Claims. (Cl. 49—85)



1. A method of producing decorative glass articles, comprising, in combination, centrifuging

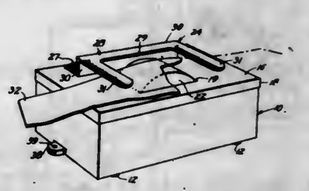
a predetermined quantity of molten glass in a rotating mold so as to cause the molten glass to flow upwardly around the wall of the mold, selecting the speed of rotation so as to produce a thick-walled glass article, and holding a stop means stationarily for limiting the rising of the glass mass to prevent flow over the mould edge.

2,572,512
FREQUENCY-SHIFT KEYING SYSTEM
Ernest W. Pappenfus, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application May 25, 1949, Serial No. 95,217
15 Claims. (Cl. 250—36)



1. A frequency-shift arrangement, comprising a variable frequency oscillator source whose frequency is to be shifted between predetermined limits, a pair of frequency control tubes for said oscillator, means to excite the grids of said control tubes from said oscillator in respective leading and lagging electrical phases with respect to the oscillator phase, and means to apply to the input of one control tube direct current keying potentials to shift the oscillator frequency.

2,572,513
ENVELOPE MOISTENER
Wanda L. Paul, New York, N. Y.
Application May 5, 1949, Serial No. 91,614
4 Claims. (Cl. 91—51)



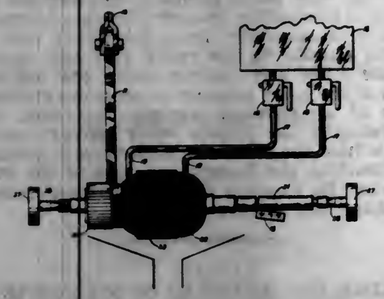
1. An envelope moistener comprising a rectangular tank, the bottom corner portions thereof being provided with downwardly open socket members; rubber suction cups for feet mounted in the socket members, the shanks of the cups being received fast in the recesses of the socket members; a cover for the tank having a depending perimetric flange engaging the upper outer walls of the tank, the cover being provided with a rectangular opening in the general central portion of the cover, the sides of the opening being parallel with the walls of the tank; a pair of ears depending from opposite marginal portions of the opening and provided with bearing holes axially transverse of the tank; an axially horizontal cylindrical wetting roller having trunnions in said holes and projecting upwardly through said opening by about one fourth its radius and almost closing the opening; a presser hinged on said cover comprising an elongated butt-plate secured on the upper face of the cover along the margin of a side transverse of the axis of the roller; a U-member having a vertically off-set yoke portion hinged to said plate, the pintle portion of the yoke being normally disposed on the cover, said U-member including fingers normally projecting horizontally from the upper part of the yoke parallel to the roller axis and spaced from the roller and slightly below the topmost portion of the roller adapted to press the gummed margin of an envelope against the roller, the lower faces of the fingers being convex; and a spring to hold the presser in such normal position but permitting the fingers and part of the yoke to be raised for cleaning the roller without danger of touching said fingers.

2,572,514
HOLDER FOR ARTICLES OF MAGNETIC MATERIAL
Russell E. Phelon, West Springfield, Mass.
Application February 18, 1948, Serial No. 9,134
4 Claims. (Cl. 175—367)



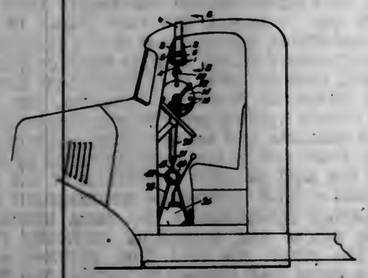
1. In a holder for articles of magnetic material, the combination of a plurality of similar permanent magnets spaced apart longitudinally and having opposite horizontal pole faces at the top and bottom, all of the magnet pole faces of one polarity being in one plane and all of the magnet pole faces of the opposite polarity being in another plane, two pole pieces of magnetic material extending longitudinally between the magnets and beyond them and having horizontal flat portions held in engagement respectively with the top and bottom pole faces of all of the magnets which flat portions of the pole pieces have straight rear edges located rearwardly from the magnets and adjacent the rear plane of the holder and which flat portions of the pole pieces also have vertical article holding faces positioned in vertical register with each other and located in part forwardly from the magnets, the said vertical article holding faces longitudinally spanning the magnets and being continuously curved convexly from end to end and extending at their ends to the said straight rear edges of the pole pieces, and a filler member of nonmagnetic material having substantially the same length as the pole pieces and extending vertically from one to the other, the said filler member comprising a front wall located in part at the front of the magnets and behind the article holding faces of the pole pieces which front wall is curved in conformity with the curvature of the adjacent portions of the said article holding faces and the said filler member comprising end walls at opposite sides of the magnets and spaced inwardly inward from the ends of the pole pieces which end walls extend rearwardly from the filler member front wall and the said filler member comprising flanges adjacent the rear plane of the holder and extending longitudinally from the filler member end walls which flanges have holes therein for receiving devices for attaching the holder to a rear supporting wall.

2,572,515
METHOD OF IMPREGNATING ELECTRICAL MOTOR ARMATURES
Foy M. Foote, Stamford, and John J. Foye, Jr., Old Greenwich, Conn., assignors to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application June 29, 1946, Serial No. 678,151
4 Claims. (Cl. 117—43)



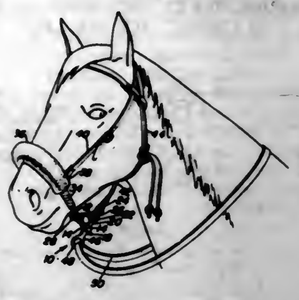
1. The method of coating and impregnating an electrical motor armature having wound coils portions of which are disposed in slots while the end portions are exposed comprising the steps of preheating the armature, positioning the axis of the armature in a substantially horizontal plane, rotating the heated armature about its axis, transversely moving the heated armature across the path of a pair of spaced streams of coating liquid, directing said spaced streams of liquid onto said exposed end portions of the coils of said armature whereby the coating spreads in opposite directions to impregnate and coat the coils, and further heating the armature while rotating the same to set the coating on the windings.

2,572,516
TRANSMISSION HOIST
John R. Randolph, Mexia, Tex.
Application January 23, 1946, Serial No. 642,836
3 Claims. (Cl. 254—167)



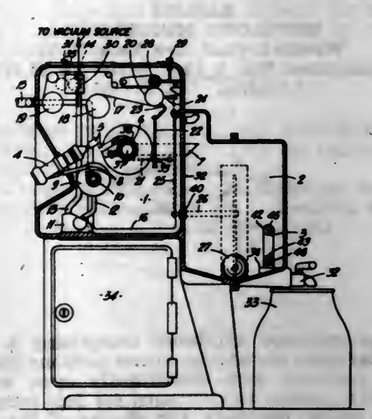
2. A device for lifting the transmission from its seat in an automotive vehicle having a cab, comprising a flexible elongated means securable on a transmission, a hoist with a centering ring connected to said means, a belt securable around the top of the cab, and means for securing the belt to said hoist, said last-mentioned means comprising a pair of links each having one end pivotally secured to an eye, the other end of one link being permanently secured to one end of the belt, the other end of the other link having a pair of transversely disposed spaced parallel pins fixed thereon and a third pin slidably mounted adjacent said fixed pins, the other end of said belt being looped around said sliding pin and between said fixed pins, whereby said belt is made adjustable as to effective length.

2,572,517
HACKAMORE
Arthur D. Ratliff, Chattaroy, Wash., assignor of fifty per cent to Jack T. Wainwright, Deer Park, Wash.
Application October 23, 1950, Serial No. 191,578
3 Claims. (Cl. 54—6)



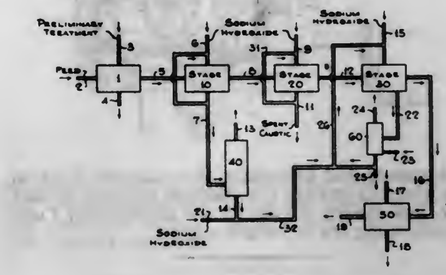
1. In a hackamore, the combination of a flexible nose band having spaced free end portions, a double arm lever pivotally mounted between the free end portions of said nose band, a link pivoted to one arm of said lever and having an eye slidable on the nose band for contracting the same, and a control rein connected to the other arm of said lever.

2,572,518
TEST-MILKING APPARATUS
Eric Redin, Norrkoping, and Helge Ryde, Smedslatten, Sweden
Application April 9, 1948, Serial No. 20,143
In Sweden April 26, 1947
6 Claims. (Cl. 119—14.14)



1. A test milking apparatus comprising in combination, a vacuum milking machine including a set of teat cups and associated flexible tubes, a casing for said milking machine, reeling means in said casing supporting said flexible tubes and collecting the milk passing therethrough from the teat cups, a vacuum receptacle receiving the milk from said collecting means, a permanent connection between said milk collecting means and said receptacle, and a test vessel removably inserted in said receptacle for receiving a sample of the milk therein according as the receptacle is filled with milk.

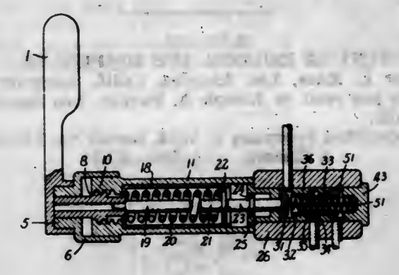
2,572,519
SWEETENING PROCESS
Harold A. Ricards, Jr., Cranford, and James W. Ryder, Watchung, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 16, 1949, Serial No. 76,802
3 Claims. (Cl. 196—32)



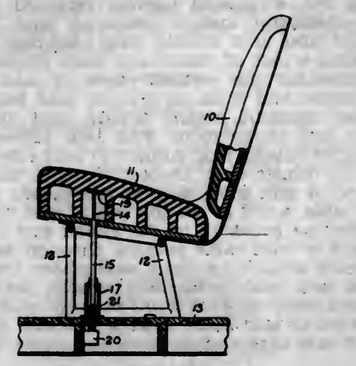
1. Process for the removal of mercaptan compounds from hydrocarbon mixtures containing the same which comprises contacting the hydrocarbon fraction in an initial stage with a relatively weak caustic solution having a concentration of about 0.7 to 7%, whereby agents are extracted by the caustic which increase the solubility of mercaptans in caustic, removing the caustic solution from said hydrocarbon fraction and contacting the hydrocarbon fraction in a secondary stage with a relatively strong caustic solution having a concentration of about 12 to 15%, removing the caustic solution therefrom and treating the oil in a tertiary stage with an intermediate strength caustic solution having a concentration about 1 to 3% lower than the concentration employed in the said secondary stage and including therewith at least a portion of the caustic removed from said initial stage containing said agents to increase solubility of mercaptans in caustic.

2,572,520
MECHANISM FOR THE OPERATION OF VALVES
Edward A. Rockwell, Shaker Heights, Ohio, assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application December 14, 1942, Serial No. 469,010, which is a division of application Serial No. 312,356, January 4, 1940, now Patent No. 2,331,900, dated October 12, 1943. Divided and this application April 27, 1946, Serial No. 665,534
10 Claims. (Cl. 303—54)

1. A valve mechanism having a tubular valve member, provided with openings at both ends, carrying inlet and outlet valve elements and having also a lateral inlet port in the tubular valve member between the inlet and outlet valve elements, a valve casing for the same having an inlet opening on the other side of the inlet valve element from the lateral inlet port, a plunger having an outlet valve seat element associated therewith and having means associated with the valve seat element to normally maintain the outlet valve seat in open position, a casing for the plunger removably secured to the valve casing and means for applying a pressure to the plunger to open the inlet valve member after the outlet valve seat is in closed position.



2,572,521
SEAT
John Thomas Rogers, Dudley, England
Application August 4, 1948, Serial No. 42,450
In Great Britain August 13, 1947
4 Claims. (Cl. 155—188)



1. An electrically operated indicating device of the type specified in which each individual seat is provided with an electric switch adapted to be automatically operated in one direction when the seat is occupied and in the reverse direction when the seat is vacated, each switch comprising, a switch operating rod arranged substantially vertically beneath the seat with one end engaging the under side of the seat and adapted to be moved into the operative position by the weight of a person occupying the seat, switch mechanism adapted to be actuated by said rod, said switch mechanism including a slidable column having an electrical contact at its lower end and having a recess in its upper part to receive the lower end of said operating rod, spring means inserted in said recess below the end of said rod and engaging the bottom of the recess, so arranged that the operating rod moves a substantial distance to overcome the resistance of the spring pressure before commencing to move

the column, and electric leads connecting each switch to an indicator having means operated by the electric current in the circuit for indicating the number of unoccupied seats.

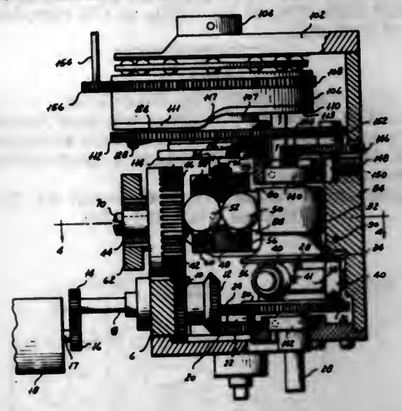
2,572,522
SUTURE HOLDER AND DISPENSER
Edgar L. Ross, Los Angeles, Calif., assignor of ten per cent to Joseph A. Parker, Los Angeles, Calif.
Application February 6, 1950, Serial No. 142,605
5 Claims. (Cl. 206—63.3)



1. A suture holdler and dispenser comprising a vertical tube closed at its bottom end and open at its top, elongated sutures retained in said tube, clamping means retaining said sutures straight and in a bundle, said clamping means including a pair of plates and links pivotally interconnecting the vertical edges of said plates, said plates and links embracing said bundle of sutures, resilient means urging said clamping means into engagement with said sutures, and means for raising said sutures in said tube to expose the upper ends thereof through the open top end of said tube, said raising means including a cable, a slot in the top end of said tube and an aperture provided in the closed end thereof, one end of said cable passing through said slot and being secured to one of said plates, the other end of said cable extending through said aperture and being secured to the other of said plates, a portion of said cable extending along the side wall of said tube and disposed exteriorly thereof.

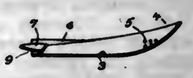
2,572,523
TORQUE AMPLIFIER
Carl F. Schaefer, Port Washington, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application January 18, 1950, Serial No. 139,292
3 Claims. (Cl. 74—388)

1. A torque amplifier including in combination an input means, a differential output shaft adapted to rotate in phase with the input means with increased torque, a prime mover, a differential having a pair of side members mounted for rotation upon said differential shaft, a mounting means secured to said differential shaft for rotation therewith and positioned between said side members, a rotatable member carried by said mounting means and rotatably contacting both said side members, means for driving one of said side members from the prime mover, a roller secured to the other of said side members for rotation therewith, a disk driven from said prime mover, a variable friction drive positioned between said roller and said disk whereby to drive the other of said side members from said prime mover, means responsive to the movement of the



input means for adjusting the variable friction drive whereby to vary the speed of rotation of said roller, and means driven by the differential shaft for controlling the adjusting means.

2,572,524
HOT SOUP GREASE SKIMMER
Arthur Schmeiler, Byram, Conn.
Application December 1, 1948, Serial No. 62,865
1 Claim. (Cl. 210—163.5)

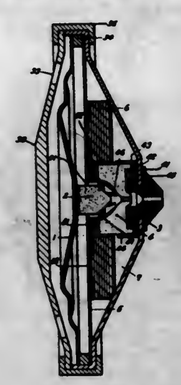


In a grease skimming ladle, the combination which comprises a downwardly bowed plate having a concave inner surface and a convex outer surface, said plate having a leading edge and a trailing edge and said trailing edge extended upwardly and having perforations spaced inwardly from the edge and extended therethrough, said perforations providing means for drawing off soup accidentally picked up by the ladle with the ladle tilted rearwardly, an arcuate bridge plate spaced above and curved to correspond with the leading edge of the downwardly bowed plate and extended forwardly from said leading edge forming an arcuate slot providing a mouth for receiving grease and skimming grease from soup, the said bridge plate crowding the grease into the said mouth, the trailing edge of the said bridge plate extended inwardly of the leading edge of the downwardly bowed plate of the ladle, said bridge plate being carried by the downwardly bowed plate and connected thereto at the corners by vertically disposed flanges, triangular shaped wings positioned at the sides of the ladle and extended inwardly from the leading edge thereof, and a handle extended upwardly from one side of the ladle.

2,572,525
MICROPHONE WITH CARBON ELECTRODES
Erich Schircks, Zurich, Switzerland, assignor to Albiswerk Zuerich A. G., Zurich, Switzerland, a Swiss company
Application July 29, 1948, Serial No. 41,371
In Switzerland August 6, 1947
3 Claims. (Cl. 179—124)

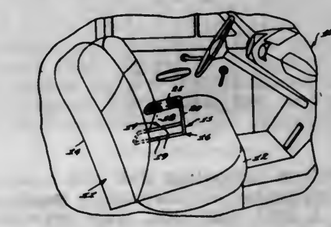
1. A microphone, comprising a housing, a diaphragm mounted on said housing, a conical

electrode secured to said diaphragm, a funnel electrode secured to said housing and having a funnel surface coaxial with and spaced from said conical electrode, said funnel electrode having



grooves in said surface extending from the funnel point toward the funnel periphery, and carbon granules between said grooved surface and said conical electrode.

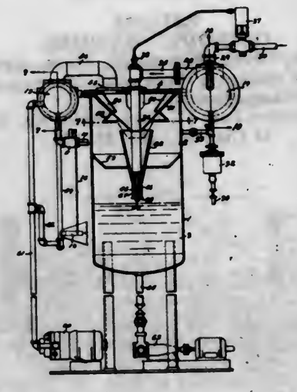
2,572,526
PORTABLE ARMREST FOR AUTOMOBILES
Norman G. Schuessler, San Angelo, Tex.
Application April 14, 1950, Serial No. 155,903
3 Claims. (Cl. 155—112)



1. A portable arm rest for a vehicle having a seat cushion and a seat back mounted at the rear end of the seat cushion comprising a pair of U-shaped frame members, a horzontally extending upper member on each of said frame members, a horizontally extending lower member on each of said frame members engageable at one end between the seat cushion and seat back, and connecting members between the ends of each of said upper members.

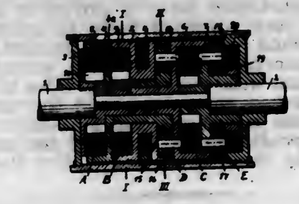
2,572,527
DEAERATOR
Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application May 2, 1945, Serial No. 591,611
3 Claims. (Cl. 183—2.5)

1. In a low pressure, low temperature deaerator for deaerating liquids at temperatures below their flash temperature at atmospheric pressure, a receptacle containing a flash chamber, an inlet pipe for liquid to be treated entering into said flash chamber, a spray cone, means slidably supporting said cone relative to said inlet pipe, said inlet pipe and spray cone having cooperating valve surfaces thereon, and spring means for regulating the movement of said spray cone relative to said inlet pipe to maintain the velocity of sprayed liquid leaving said spray cone constant regardless of the quantity of liquid delivered to the spray cone by said inlet pipe, an inverted conical partition in said receptacle having its portion of smallest cross sectional area fitting snugly about said inlet pipe and its portion of largest cross



sectional area fitting in fluidtight engagement against said receptacle to form a vapor receiving space isolated from the flash chamber, said inverted conical partition having openings therein near its uppermost part to permit entrance of vapor and gases into the isolated vapor space and an outlet means for vapor from the space within said partition.

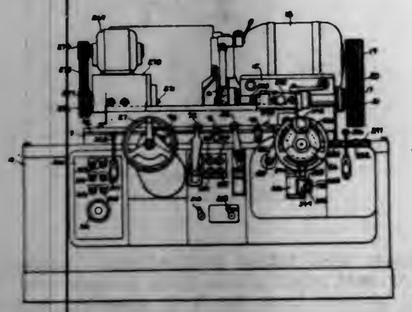
2,572,528
CENTRIFUGAL COIL CLUTCH
Johan Emil Selander, Goteborg, Sweden
Application November 18, 1947, Serial No. 786,593
In Sweden December 6, 1946
2 Claims. (Cl. 192—105)



1. A friction clutch comprising a driving shaft; a driven shaft; at least one pair of cooperating clutch members, one of said clutch members being operatively connected to said driving shaft and the other of said members being operatively connected to said driven shaft; an outer axial flange provided on said driven clutch member; at least one pair of generally cylindrical, radially expansible spring members arranged inwardly of said flange so as to become frictionally interengaged upon radial expansion at a predetermined speed of said driving shaft; one of said spring members comprising a coil spring and the other of said spring members comprising a split ring; said coil spring being secured by one of its axial end faces to a respective adjacent portion of said driving clutch member and having its other end freely disposed in order to permit free

expansion of said entire spring; said split ring spring being secured to a respective adjacent portion of the driven clutch member by one of its axial end faces and having its other end free in order to permit free expansion of said entire split ring; said split ring comprising a central portion of fixed width and a pair of reduced, symmetrically overlapping terminal portions.

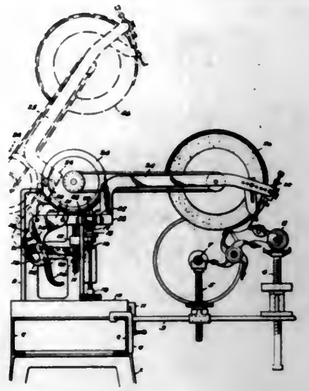
2,572,529
GRINDING MACHINE
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 17, 1948, Serial No. 39,362
33 Claims. (Cl. 51—95)



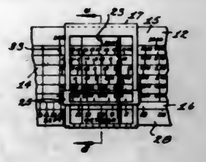
1. In a grinding machine having a longitudinally reciprocable work table, a rotatable grinding wheel, a transversely movable slide therefor, a nut and screw feed mechanism for said slide, means including a fluid motor to rotate said screw, a fluid actuated feed control valve therefor, a piston and cylinder to reciprocate said table, table actuated pilot and reversing valves therefor, a start-stop valve to control the starting and stopping of the table, fluid connections between the start-stop valve and the fluid actuated feed control valve whereby the latter valve is actuated to render the fluid motor operative when the start-stop valve is shifted to a start position, a feed adjusting valve to control the exhaust of fluid from the fluid motor, and a fluid actuated intermittent feed valve actuated in timed relation with the reversing valve to meter a predetermined amount of fluid through said feed adjusting valve from said fluid motor so as to cause a predetermined infeed of the grinding wheel during reversal at each end of the table stroke.

2,572,530
TILTABLE CARRIAGE FOR LAWN MOWER SHARPENERS
William V. Smith, Greenville, Ill.
Application November 9, 1950, Serial No. 194,759
3 Claims. (Cl. 51—34)

1. The combination, with spaced apart main and auxiliary tracks of a lawn mower sharpening machine of a carriage shiftable longitudinally of said tracks, said carriage including main rollers rollably mounted upon the main track, depending plates having slots through which the auxiliary track extends, an auxiliary roller mounted upon the carriage and normally out of contact with the auxiliary track, said carriage being tiltable upon the main track to an intermediate position in which the main and auxiliary rollers are rollably engaged with their respective tracks, and said slots having side recesses adapted to receive said auxiliary track, for pivoting of the carriage upwardly upon the auxiliary track to a raised inoperative position.

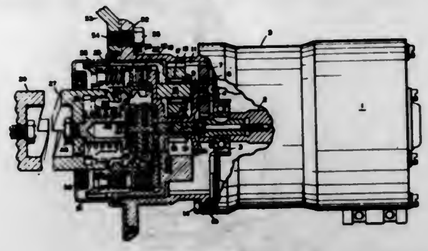


2,572,531
DIVIDEND FIGURING SLIDE RULE
Charles A. Steinkoenig, Cincinnati, Ohio
Application April 10, 1951, Serial No. 220,207
4 Claims. (Cl. 235—70)



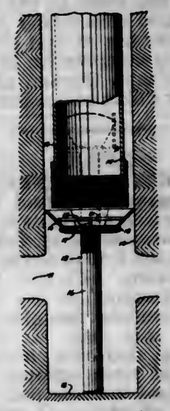
4. A dividend computing slide rule comprising an elongated flat body formed with a longitudinal guideway, a first numerical scale representing sums deposited extending longitudinally along the body on one side of said guideway, a second numerical scale representing average dividend-earning sums extending longitudinally along the body on the other side of said guideway, a slide rod slidably mounted in said guideway, respective spaced numerical scales representing dividends earned at respective rates of interest extending longitudinally on said slide rod, a calendar scale on said body extending longitudinally thereon, an indicator slidably mounted on said body for longitudinal movement therealong, said indicator including a transparent window portion having a hairline extending transversely across the flat body and the slide rod, an apertured mask member slidably mounted on said indicator for transverse movement thereover, said mask member being selectively movable into vertical registry with the respective dividend scales, said mask member being of resilient material and being flexible longitudinally relative to the flat body, the transverse edges of the indicator being formed with spaced detent recesses, and respective inwardly extending projections carried by the ends of the mask member lockingly engageable in said recesses, said recesses being arranged to cooperate with said projections to yieldably secure the masked member in vertical registry with the respective dividend scales.

2,572,532
STARTER JAW ACTUATING MECHANISM
Roderick W. Steizel, Hohokus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 7, 1949, Serial No. 125,923
6 Claims. (Cl. 74—7)



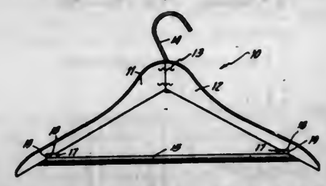
1. For use in an engine starter, the combination of an assembly comprising an axially stationary rotatable spline nut, a screw shaft connected for rotation with and axial movement relative to said spline nut, said screw shaft having an internally threaded portion, and an annular groove adjacent thereto, a shaft member concentric with and extending into said screw shaft, said shaft member having first ball receiving openings at spaced intervals along a helical path corresponding to the pitch of said internally threaded portion, first balls positioned in said openings, first spring means for resiliently biasing said balls into engagement with said internally threaded portion, second ball receiving openings in said shaft spaced circumferentially around said shaft, second balls positioned in said second openings, second spring means for biasing said second balls into engagement with said annular groove to hold said screw shaft in a retracted position, said first spring means being greater than said last spring means whereby upon rotation of said shaft said screw shaft is actuated to an extended position.

2,572,533
EXPANSIBLE PLUG FOR CEMENTING WELLS
H. R. Steward, Lohn, Tex.
Application February 4, 1949, Serial No. 74,508
3 Claims. (Cl. 166—13)



1. A well cementing expansible plug comprising an elongated post having on one end a plate of polygonal formation, and a plurality of wing plates of substantially trapezoidal formation each hinged along its shortest edge to a respective edge of said polygonal plate so that said wing plates can swing inwardly and outwardly between a collapsed and an expanded condition of said plug, and curved, leaf springs mounted on said polygonal plate and bearing against some of said wing plates to resiliently urge said wing plates outwardly about their hinge connections with said polygonal plate.

2,572,534
GARMENT HANGER
Samuel Summer, Albany, N. Y.
Application June 29, 1949, Serial No. 101,949
2 Claims. (Cl. 223—88)



1. A garment hanger of the type adapted for a coat and trousers; said hanger comprising a pair of outwardly and downwardly extending arms formed of wood, substantially straight throughout on their lower sides, adapted to hold a coat when hung thereover and provided with opposed cylindrical recesses therein closely adjacent the lower ends thereof; means securing the upper ends of said arms together; a cylindrical bar formed of wood and adapted to support a pair of folded trousers when hung thereover, extending transversely between said arms and having its ends disposed in said recesses and supported by said arms; said hanger being characterized by having opposed portions of said arms on the lower sides thereof above the portions of said bar adjacent the entrances to said recesses cut out to form, with the top of said bar, open slots extending into said arms; said slots being of a vertical depth or height throughout adapted to receive the edge portions of said trousers when hung over said bar without pinching or wrinkling the same; whereby, the width of the trousers'-hanging space between said arms is substantially increased without increasing the overall width of said hanger.

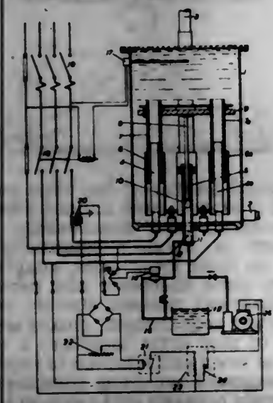
2,572,535
TRAP HOOK
Albert G. Tackett, Bethel, Ohio
Application October 9, 1947, Serial No. 778,913
5 Claims. (Cl. 43—37)



5. In a trap hook, a holder having a member with two sides in substantially converging rela-

tion forming cam slides, fish hooks having eyes slidably disposed on said slides, the upper ends of said slides crossing each other and bent back and secured together to form a holding means, said eyes being releasably held in said holding means, and a guide slidably disposed on said hooks to guide said hooks.

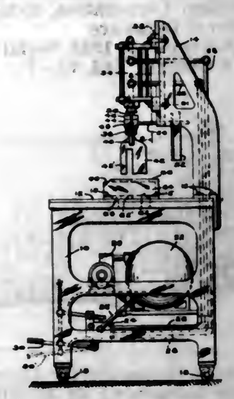
2,572,536
ELECTRODE TYPE WATER BOILER
John Arthur Tatem, Dudley, England, assignor to G. W. B. Electric Furnaces Limited, Dudley, England
Application November 18, 1949, Serial No. 128,121
In Great Britain November 22, 1948
6 Claims. (Cl. 219—40)



1. An electrode type water boiler having in combination a shell, at least one electrode and at least one neutral secured to the bottom of the shell, at least one movable insulating shield to screen the electrode from the neutral and biassed into screen position, a hydraulic motor having a piston operatively connected to said shield for receiving said shield, an electrically driven pump operative to supply pressure to said hydraulic motor, a control circuit for energizing said pump to operate said motor to shift said shield to a position corresponding to a preset load when power is switched on to the boiler, and a pressure release valve operative to release pressure from said hydraulic motor when power is switched off the boiler to permit said shield to return to screening position.

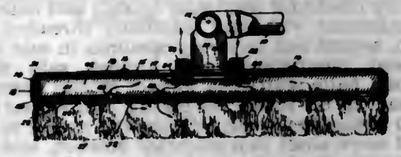
2,572,537
STRIPPING MACHINE
Edward L. Taylor, Baltimore, Md.
Application February 1, 1949, Serial No. 73,980
2 Claims. (Cl. 93—36)

1. A stripping machine for stripping waste material from stacks of scored cardboard blanks, comprising a frame, a bed supported by said frame, a member operable perpendicular to the upper surface of the bed, a die of substantially the same configuration as the score lines of the blanks supported on the upper surface of the bed, the edge of the die formed to extend slightly outwardly from and along the said scored lines of the blanks, a stripping tool of substantially the same configuration as the scored lines of the blanks carried by the member and adapted to pass slightly inwardly from and along the opposite side of the scored lines, a stack guide having three vertical walls arranged in U-formation on the bed for positioning the scored lines of the stack along lines substantially equidistant from the edges of the die and the stripping tool



and means for controlling the operation of the member.

2,572,538
AUTO WASHING MAT
Tinie R. Teters, Fayette, Mo.
Application October 14, 1949, Serial No. 121,428
2 Claims. (Cl. 299—83)

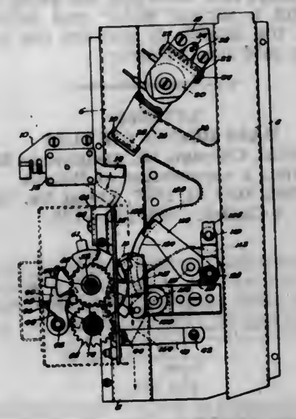


1. In a washing device a top plate including a peripheral depending flange defining a recess in the underside of the plate; a water bag proportioned to fill said recess completely, the water bag including inlet fittings projecting through and engaged by said plate to retain the water bag within the recess, a bottom face having a plurality of outlet openings, said bottom face being formed from flexible material, said bottom face being flexible toward the plate in the central area of the water bag and consituting means for compressing the water bag at said central area, said flange preventing compression of the water bag in the marginal area thereof, and sponge material completely filling said water bag.

2,572,539
COIN MECHANISM FOR VENDING MACHINES
Ernest H. Thompson, Winnetka, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application April 8, 1946, Serial No. 660,455
2 Claims. (Cl. 194—1)

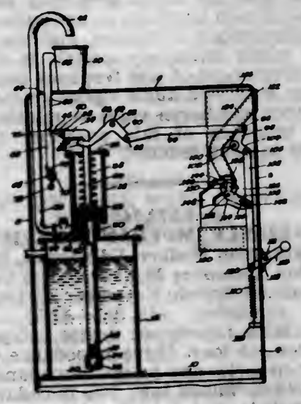
1. A coin mechanism for use in a coin operated electrical vending machine, comprising a coin chute; a coin box; a wheel rotatably mounted adjacent said coin chute and having a plurality of radial arms adapted to extend into said coin chute and into the path of a deposited acceptable coin, whereby said coin will be temporarily detained by one of said arms and from which position said coin may be either returned or passed to said coin box; means to return said coin including a return coin chute, a rotatably

mounted member adjacent said coin in its detained position, a solenoid, and a link connecting said member with said solenoid, whereby energization of said solenoid will rotate said member to positively deliver said coin to said return coin chute; and means to pass said coin to said coin box including a second solenoid, a pivotally mounted lever, one end of said lever adapted,



when actuated, to come against the upper edge of said coin and force the coin downwardly, and a link connected between said lever and said second solenoid, whereby energization of said second solenoid will pivot said lever and force said coin downwardly to said coin box, said wheel also adapted to be rotated when said coin is moved downwardly to bring the next adjacent arm thereon into the path of a succeeding coin.

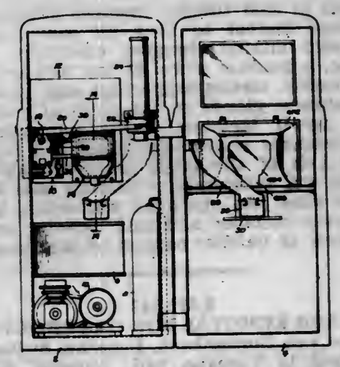
2,572,540
LIQUID DISPENSER WITH MEANS NORMALLY LOCKING SAID DISPENSER AND COIN-ACTUATED MEANS PREVENTING OPERATION OF SAID LOCKING MEANS
Ernest H. Thompson, Winnetka, Ill., assignor to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application July 5, 1946, Serial No. 681,569
7 Claims. (Cl. 222—2)



1. A coin-controlled liquid dispensing apparatus, comprising a source of liquid supply, reciprocable delivery means operable to positively deliver a predetermined quantity of liquid from said source directly into a receptacle, manually operable means operable to actuate said reciprocable delivery means, means to normally lock said manually operable means against movement, and coin-controlled means to prevent the locking of said manually operable means thereby to permit delivery of said liquid.

5. A coin-controlled liquid dispensing apparatus, comprising a source of liquid supply, a container adjacent said source, coin-controlled means to transfer a predetermined quantity of liquid from said source to said container upon depositing an acceptable coin, means to retain said liquid in said container, said means to retain said liquid being so constructed and arranged as to release said piston when contacted by a receptacle being moved thereagainst and deliver said liquid from said container to a receptacle therefor.

2,572,541
SELECTIVE BEVERAGE VENDING MACHINE
Ernest H. Thompson, Glenview, and Leo W. Doggett, Park Ridge, Ill., assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application May 22, 1947, Serial No. 749,694
8 Claims. (Cl. 225—21)

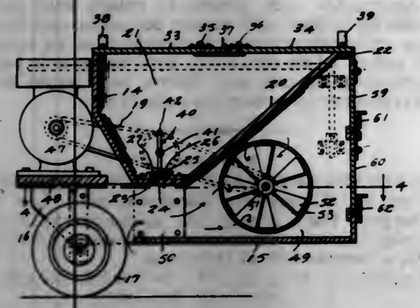


1. In a selective beverage vending machine of the class described, a plurality of sources of supply for beverage ingredients, a plurality of cylinders each in communication with one of said sources of supply, a reciprocating piston in each cylinder adapted to dispense a measured quantity of a beverage ingredient into a receptacle, actuating means including a rack and pinion individual to each piston and in continuous engagement with each other, and driven gear means operatively associated with said pinion and adapted to be selectively engaged for reciprocating a selected piston, motive means for selectively engaging said gear means thereby to operate said actuating means, a plurality of external controls, and means responsive to the actuation of a selected external control to operate said motive means and dispense a selected beverage ingredient in accordance with the external control selected.

2,572,542
DUSTING MACHINE
George C. Van Kessel, Opa Locka, Fla.
Application November 4, 1946, Serial No. 707,581
1 Claim. (Cl. 43—148)

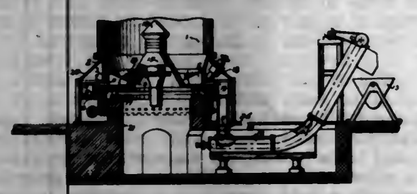
An insecticide duster comprising a housing formed of opposite sides, opposite ends and a

bottom wall, a pair of downwardly convergent inner walls between said sides dividing said housing into a hopper and a mixing chamber, said mixing chamber having an air intake opening in the forward end thereof, an apertured horizontal wall at the lower end of said hopper, an apertured valve plate slidably engaging said apertured wall, a rotatable agitator journalled between said sides and disposed above said valve plate, a hollow open ended tubular member secured in one side of said mixing chamber rearwardly of said intake opening, a fan rotatably



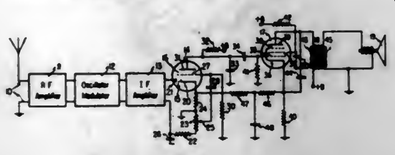
disposed in said tubular member adapted upon operation thereof to blow air and insecticide from said mixing chamber exteriorly of said housing, a traction wheel at the forward end of said housing, means supporting said wheel midway between planes of the sides of said housing, a power member, means supporting said power member above said wheel and forwardly of the axis of the latter whereby said power member will substantially balance said housing on said wheel, an operative connection between said power member and said agitator and fan, and a pair of handles carried by said housing.

2,572,543
DRY ASH REMOVAL FOR GAS PRODUCER
Federico von Gonzenbach, Lucerne, Switzerland, assignor to Vogogas, Ltd., Lucerne, Switzerland, a joint-stock company
Application May 10, 1946, Serial No. 668,671
1 Claim. (Cl. 110—165)



A device of the character described for ash removal from rotating grates of gas producers having an annular shell, comprising an annular ring secured to the lower periphery of the shell, an annular cover plate secured to the ring below its connection to the shell, an annular trough disposed concentrically to the grate and secured to the lower periphery of the cover plate, vertically disposed wings on the grate for engaging the ashes to move the ashes from the grate into the trough, a plurality of projections on the inner surface of the ring adapted to coact with said wings to crush clinkers in said ashes, a vertically disposed chute carried by said trough, a water seal for the lower end of the chute, an upstanding flange on the periphery of said grate, projections on said flange for moving the ashes from the trough to the upper end of said chute, means at the lower end of said chute for removing the ashes from the lower end of said chute, a tamper mounted on said ring, a blade on said tamper extending into said trough to assist in breaking up the clinkers and removing the ashes from the trough, and a second water seal between the grate and the trough to prevent the escape of gases from said gas producer.

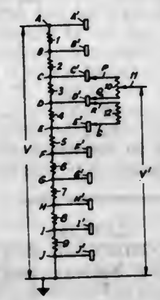
2,572,544
BASS BOOST CIRCUIT
Gus W. Wallin, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application May 24, 1947, Serial No. 750,316
4 Claims. (Cl. 179—171)



1. An audio amplifier system including a first electron discharge valve of the triode type having a cathode, an anode, and a control grid, means for applying an audio signal to said control grid, resistance means connected between said cathode and ground, said resistance means having such value that the amplification of said electron discharge valve is not substantially reduced thereby, a second electron discharge valve having a cathode, an anode, and a control grid, a coupling circuit connecting said anode of said first valve to said control grid of said second valve, a resistor connected between said cathode of said second valve and ground, an output circuit connected to said plate of said second valve, and a feedback network coupling said cathode of said second valve to said cathode of said first valve, said feedback network having such characteristics that the feedback voltage applied across said resistance means is substantially equal to the voltage across said resistor divided by $31+j0.15\times$ the frequency in cycles per second, so that high audio frequency signals are attenuated more than low audio frequency signals and the output of said amplifier at low audio frequencies is substantially increased, and the phase of said low audio frequency signals is shifted so that the component of said feedback signal which is in phase with said audio signal applied to said first electron discharge valve is relatively small and the tendency of said amplifier system to oscillate is thereby reduced.

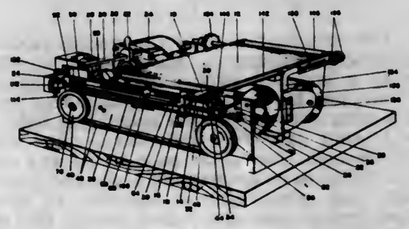
2,572,545
VARIABLE IMPEDANCE DEVICE
Donald Ferguson Walker, Edinburgh, Scotland
Application November 26, 1948, Serial No. 62,169
In Great Britain November 28, 1947
11 Claims. (Cl. 323—43.5)

1. A variable impedance device comprising in combination, at least three impedance elements connected in series and having impedances satisfying a predetermined law; two impedance components each having a high impedance in comparison with the impedance of any of said elements; tapping means for connecting said components in shunt to any two consecutive ones of said elements, respectively; a tapping member adapted to engage either of said components; means for changing the shunt connection of said component not engaged by said tapping member from one element adjacent the other shunted



element to the other element adjacent thereto; and means for traversing said tapping member along any of said components while said component is connected in shunt to one of said elements.

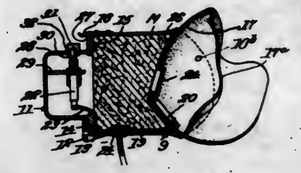
2,572,546
RECORDER DRIVE MECHANISM
Cecil E. Walton, Cleveland, Ohio, assignor to the United States of America as represented by the Secretary of the Navy
Application July 29, 1946, Serial No. 686,919
9 Claims. (Cl. 346—114)



1. In a recorder having a movable stylus, a device for controlling movement of the stylus comprising a drive member capable of continuous movement, a clamp carried by the stylus adapted to engage releasably the drive member, said drive member passing through a slot in said clamp, a stop for limiting movement of the stylus in one direction, means for engaging the clamp to move the stylus, a trip for disengaging the clamp at any desired distance from the stop and means for returning the stylus to the stop.

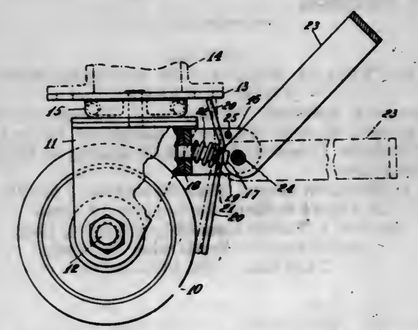
2,572,547
DICTATION MASK WITH CARTRIDGE TYPE SILENCER
Horace L. Webb, Vienna, Va.
Application September 1, 1948, Serial No. 47,199
6 Claims. (Cl. 179—188)

1. A dictating device comprising a two-ended body having one end open to receive sound, a displaceable closure at the other end of the body, an electric microphone and a control switch in said body, electric current conducting means connected to said microphone through said switch, a sound-absorbing filler in the body applicable and removable when the closure is displaced, a flexible diaphragm-like receiver outwardly enlarged with respect to the other end of said body, closing the latter end, said microphone being carried by said receiver, a flexible face-fitting flange on the interior of said re-



ceiver, said control switch being mounted by said closure and said closure having a portion interposed between said filler and said switch to prevent interference of the filler with operation of the switch.

2,572,548
BRAKE STRUCTURE FOR PLATFORM TYPE CASTERS OR THE LIKE
Daniel I. Weisz, Clair F. Maroney, and Ralph W. McGrew, Ellwood City, Pa.
Application May 16, 1949, Serial No. 93,602
4 Claims. (Cl. 16—35)

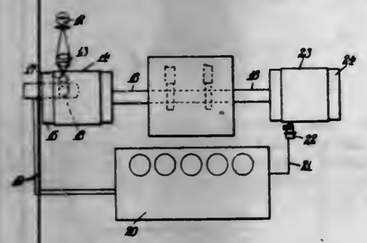


1. A brake structure for platform type casters or the like having a caster wheel and bracket pivotally mounted on a swivel plate comprising a brake support member adapted to be mounted on the bracket, an outwardly and downwardly extending guide pin centrally of said support member, a brake shoe slidably mounted on said guide pin adapted when shifted to engage frictionally both the caster wheel and the under surface of the swivel plate, resilient means surrounding the guide pin and cooperating with the support member in tending to hold the brake shoe in the disengaged position, and means for shifting said brake shoe.

2,572,549
VOLTAGE MODULATED MARKING FLUID DEPOSITION DEVICE
Desmond Deverell White, Frank Ronald Osborn, and Stefan Reich, Elstree, England, assignors to Dufay-Chromex Limited, London, England, a British company
Application May 5, 1947, Serial No. 746,174
In Great Britain September 12, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 12, 1965
2 Claims. (Cl. 346—74)

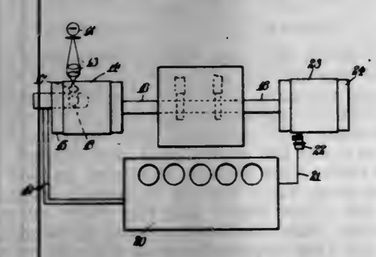
1. Electric recording apparatus comprising a recording surface, an electrode located behind said surface, a stylus located adjacent to and in

front of said surface, means for supplying coloring matter to the stylus surface at a pressure insufficient for the projection of the coloring matter from said stylus, said stylus being an electrically conducting pointed member having fine external grooves or channels leading to the point, in which channels the liquid coloring matter is retained by capillary action, means for setting



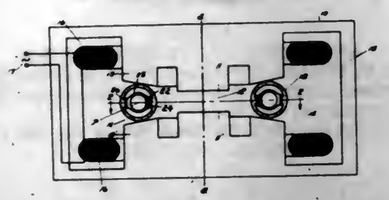
up an electric potential difference between said stylus and said electrode, and means for varying said potential difference, whereby the particles of said coloring matter are attracted from said stylus surface and are disintegrated and the coloring matter is deposited in intensity on said surface in accordance with said variable potential difference.

2,572,550
ELECTRICAL MEANS FOR REPRODUCING PHOTOGRAPHS
Desmond Deverell White and Frank Ronald Osborn, Elstree, England, assignors to Dufay-Chromex Limited, London, England, a British company
Application May 5, 1947, Serial No. 746,175
In Great Britain September 17, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 17, 1965
2 Claims. (Cl. 178—5.2)



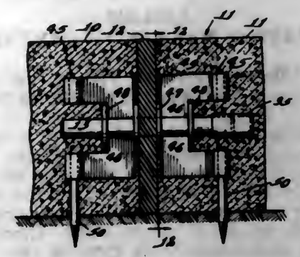
1. Electrical recording apparatus for reproducing a picture, comprising in combination a support for the picture, a light beam for scanning the picture on the support, means for continuously moving the picture support to cause the light beam to follow a linear path over the picture during scanning, means for modulating an electric current in accordance with the transmitted intensity of the light beam after it has impinged on the picture, a recording surface moving in synchronism with the picture support, a liquid depositing device for tracing a line over the recording surface as the latter moves, said device having a tip which is located out of contact with, but close to, the recording surface and which is fed with liquid colouring matter through a capillary opening, means for feeding the liquid colouring matter to the liquid depositing device, means for setting up a high voltage potential gradient between the recording surface and the liquid depositing device sufficient to project colouring matter from the tip of the liquid depositing device on to the recording surface across the intervening gap, and means controlled by the said modulated electric current for varying the intensity of the said potential gradient across the gap between the tip of the liquid depositing device and the recording surface in accordance with the intensity of the modulated electric current, whereby the intensity of deposit of the said liquid colouring matter varies from point to point along a line traced by the liquid depositing device on the recording surface in accordance with the colour density at corresponding points on the picture.

2,572,551
MAGNETIC INDUCTION ACCELERATOR
Rolf Wideröe, Oslo, Norway, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland, a joint-stock company
Application June 4, 1947, Serial No. 752,467
In Germany September 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1963
26 Claims. (Cl. 313—62)



1. The combination with a magnetic induction accelerator including a closed tube providing therein a circular path along which charged particles may travel, and means including juxtaposed poles with their axes coincident with the axis of said path for producing a time-varied magnetic field linking the path to thereby cause the particles to be accelerated along the path, of a lens-path comprising a plurality of closely spaced electric lenses extending around said path for stabilizing the particles in the circular path during their acceleration, and means for energizing said lenses from a source of unidirectional potential in such manner that the fields produced respectively by adjacent lenses in said lens-path are of opposite polarity.

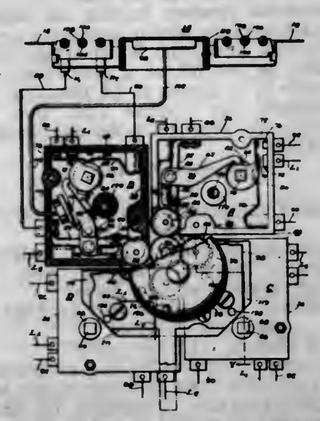
2,572,552
LOAD TRANSFER DEVICE
Donald E. Willard, Danville, Ill.
Application August 21, 1946, Serial No. 692,068
6 Claims. (Cl. 94—8)



1. A load transfer device for concrete slab joint construction comprising a dowel bar, and a pair

of spaced, skeleton, reinforcing structures surrounding the bar at an intermediate part thereof, each structure including spaced plate means through which the bar extends in bearing relation thereto, one of the plate means being adapted for embedment in the joint face of the associated slab and rib-like bearing plates extending between the plate means above and below and having edge contact only with the bar.

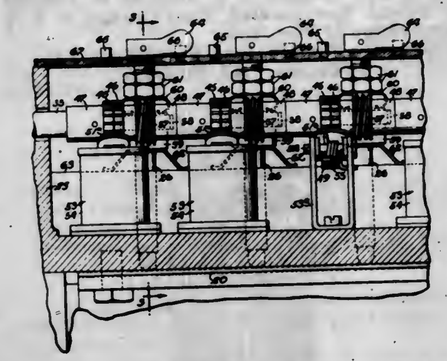
2,572,553
CONTROL MECHANISM
Joseph S. Wojcik, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1948, Serial No. 20,770
1 Claim. (Cl. 200—27)



An electric range control comprising a mounting plate, a motor mounted on one side of said plate and a plurality of switch mechanisms removably mounted on the other side of said plate; each of said switches having a pair of intermittently operating electrical contacts, an individual actuating cam adapted to intermittently open and close said contacts and a gear for driving said cam, said gear and said cam being mounted for rotation about a common axis in fixed relation with each other, each of said switches being unitary and having an individual housing, said housing having an opening therein adjacent said plate and said gear being disposed in said opening; said motor having a driving pinion centrally disposed with respect to said switch mechanisms and in driving engagement with said gears.

2,572,554
DRIVE MECHANISM
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Original application September 16, 1944, Serial No. 554,417. Divided and this application May 23, 1945, Serial No. 595,279
4 Claims. (Cl. 74—405)

1. In an apparatus for selectively translating the rotary motion of a driving shaft capable of being rotated in opposite directions into displacement of a movable member, the combination comprising a threaded rod in engagement with said movable member and adapted upon axial displacement thereof to move said member, a support providing a threaded bore in which said rod is threadedly received whereby rotation of the rod in either direction will cause axial displacement of the latter, a worm wheel mounted on said rod for rotation in unison therewith, a drive gear secured to said drive shaft, a driven gear rotatably journaled on said drive shaft in close proximity to said drive gear, said drive gear and driven gear having the same number of teeth and the same pitch diameter, a worm meshing with said worm wheel and operatively connected to said driven gear, a lever mounted for tilting movement intermediate its ends about an axis parallel to the axis of said drive shaft and having one portion thereof movable toward and away from the peripheral regions of said gears, a coupling pinion mounted for free rotation on said one portion of the lever and having formed



thereon a series of teeth, said pinion being of a width sufficient to bridge the peripheries of said gears and the teeth thereon being designed for simultaneous meshing engagement with said gears, spring means normally urging said lever in a direction wherein said pinion is maintained out of mesh with said gears, and an electromagnet positioned adjacent another portion of said lever, said other portion of the lever having an armature for the electromagnet and being operable upon energization of the electromagnet to swing said lever in a direction to cause said pinion to engage said gears to couple the latter together in driving relationship.

2,572,555
WATER PIPE REPAIRING EQUIPMENT
Thomas Nicholas Young, Epsom, and Eric Guy Brian Gledhill, Sutton, England, assignors to Freez-Seal Equipment Company Limited, New Malden, England, a British company
Application October 19, 1945, Serial No. 623,308
In Great Britain November 3, 1944
4 Claims. (Cl. 62—1)



1. An apparatus for use in temporarily freezing the liquid within a short length of liquid-containing pipe, comprising an expansion cham-

ber for refrigerant made in two parts adapted, when assembled, to define a cylindrical bore extending through said expansion chamber for the reception of the pipe; and wherein a hinge connects one pair of adjacent edges of said parts; and wherein fastening means are provided between the other pair of adjacent edges of said parts, to facilitate application to, and fastening of, said expansion chamber around said pipe.

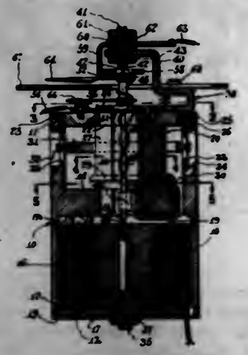
2,572,556

LONG-SCALE ELECTRICAL MEASURING INSTRUMENT

Jacob L. Zar, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application June 14, 1946, Serial No. 676,613

10 Claims. (Cl. 171—95)



1. In an electrical measuring instrument: the combination of a pivoted coil offset from its pivot axis, a core of non-permanent magnetic material having an arcuate portion centered at said pivot axis and passing through said coil, said core having a planar face substantially at right angles to said pivot axis, a permanent magnet having a pole face spaced from and parallel to said face of said core to form a uniform air gap therebetween, said magnet being charged on an axis parallel to said pivot axis, a tubular shield of non-permanent magnetic material surrounding said magnet and core and centered at said pivot axis, a base portion of said arcuate core being magnetically coupled and rigidly secured to an interior wall of said shield, and non-permanent magnetic means magnetically coupling one end of said shield to the other pole of said permanent magnet.

2,572,557

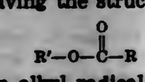
MINERAL OIL COMPOSITIONS CONTAINING THE REACTION PRODUCT OF POLYSTYRENE AND AN ALKYL ESTER OF AN UNSATURATED ACID

John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 29, 1948, Serial No. 5,201

15 Claims. (Cl. 252—57)

6. A composition of matter which comprises a liquid petroleum fraction and from 0.2 to 6 per cent by weight, based on the petroleum fraction, of a polystyrene substituted by reaction with an ester having the structural formula:



wherein R' is an alkyl radical having from one to 20 carbon atoms and R is a mono olefinic hydrocarbon radical of 9 to 10 carbon atoms having only single bonds attached to the carbon atoms adjacent the carbonyl radical, said substitution being effected on the benzene nucleus of the polystyrene through the olefinic group of the said ester.

2,572,558

MINERAL OIL CONTAINING ALKYLATED POLYSTYRENE

John Mann Butler, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application January 29, 1948, Serial No. 5,202

8 Claims. (Cl. 252—59)

5. A petroleum product having an improved viscosity characteristic which comprises a petroleum oil fraction and from 0.2 to 6 per cent by weight, based on the oil, of a polystyrene having an average of in excess of 1.5 isopropyl principal substituent per styrene unit, said polystyrene having an average molecular weight in excess of 20,000.

2,572,559

PROCESS OF IMPROVING CELLULOSE ETHERS

James P. Chittum, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 11, 1947, Serial No. 760,514

3 Claims. (Cl. 106—187)

1. The process of improving the properties of plasticized water-insoluble cellulose ethers which comprises incorporating therewith by milling from 0.5% to 10% by weight, based on the weight of said cellulose ether, of an oxidizing agent consisting of sodium dichromate and from 0.25% to 10% by weight, based on the weight of said cellulose ether, of tetrachloro-p-benzoquinone at a temperature not higher than 150° F., shaping the resulting mixture containing said sodium dichromate and said tetrochloro-p-benzoquinone, and heating the resulting shaped body containing said sodium dichromate and said tetrochloro-p-benzoquinone at a temperature of at least 200° F. for a period of time sufficient to effect curing of said cellulose ether.

2,572,560

COPOLYMERS OF ACRYLONITRILE AND QUATERNARY AMMONIUM SALTS CONTAINING POLYMERIZABLE VINYL SUBSTITUENTS

George E. Ham, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 25, 1949, Serial No. 123,522

8 Claims. (Cl. 260—85.5)

1. A copolymer of 75 to 98 percent acrylonitrile and from two to 25 percent of a compound having the structural formula:



wherein R', R'' and R''' are radicals of the group consisting of hydrogen, methyl, and hydroxymethyl, R is a radical of the group consisting of hydrogen and alkyl radicals having up to six carbon atoms, and X is a halogen of the group consisting of bromine, chlorine and iodine.

2,572,561

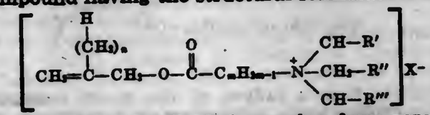
COPOLYMERS OF ACRYLONITRILE AND QUATERNARY AMMONIUM SALTS CONTAINING POLYMERIZABLE ALLYL OR METHALLYL SUBSTITUENTS

George E. Ham, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application October 25, 1949, Serial No. 123,525

8 Claims. (Cl. 260—85.5)

1. A copolymer of 85 to 99.5 percent by weight of acrylonitrile and from 0.5 to 15 percent of a compound having the structural formula:



wherein n is a small whole number from zero to one, inclusive, m is a small whole number from one to two inclusive, R', R'' and R''' are radicals of the group consisting of alkyl radicals having up to four carbon atoms, and hydrogen, R is a radical of the group consisting of hydrogen and alkyl radicals having up to six carbon atoms and X is a halogen of the group consisting of chlorine, bromine and iodine.

2,572,562

ALUMINUM ALLOY

Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application April 1, 1948, Serial No. 18,481

8 Claims. (Cl. 75—147)

1. An aluminum base alloy characterized by a high creep strength and high electrical conductivity, said alloy containing 0.2 to 1.1 per cent iron, 0.2 to 0.5 per cent magnesium, from 0.05 to 0.15 per cent silicon, balance aluminum except for the small amounts of impurities other than iron and silicon ordinarily present in grades of aluminum having an electrical conductivity of at least 60 per cent the conductivity of pure copper the magnesium content of the alloy being slightly in excess of that calculated as necessary to convert all of the silicon to Mg_2Si.

2,572,563

AROMATIC COMPOSITIONS AND PROCESS OF TREATING LACTONE MATERIAL TO PREPARE THEM

John C. Hillyer and James T. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 21, 1949, Serial No. 128,676

7 Claims. (Cl. 260—344)

1. A process for the conversion of a lactone prepared by the interreaction of 1,3-butadiene with furfural and water and having the empirical formula $C_9H_{12}O_3$, to a composition containing an aromatic ring and a single side chain, comprising contacting said lactone with from 0.05 to 4.0 weight per cent palladium as a catalyst based on the total reaction mixture, at a temperature within the limits of 300 to 450° F. and for a reaction time within the limits of 0.5 to 5 hours, and recovering said composition as a product of the process.

4. A composition containing an aromatic ring and a single side chain and characterized by a density, D_{25}^{25}, of 1.152 and a refractive index, N_D^{24}, of 1.530, and being soluble in ethanol, acetone and aqueous alkali.

2,572,564

PREPARATION OF ALKYL THIOCYANATES

Chester M. Himel and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 21, 1948, Serial No. 66,583

10 Claims. (Cl. 260—454)

1. A process for the preparation of an alkyl thiocyanate which comprises contacting an alkyl sulfenyl halide selected from the group consisting of alkyl sulfenyl chlorides, alkyl sulfenyl bromides and alkyl sulfenyl iodides dissolved in an inert organic solvent with an aqueous solution of an inorganic cyanide selected from the group consisting of hydrogen cyanide, alkali metal cyanides and alkaline-earth metal cyanides for a time sufficient to form said thiocyanate, and recovering alkyl thiocyanate from the resulting reaction mixture.

2,572,565

TERTIARY-ALKYLSULFENYL THIOCYANATES

Chester M. Himel and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 21, 1948, Serial No. 66,584

8 Claims. (Cl. 260—454)

1. A compound of formula R—S—SCN in which R represents a tertiary-alkyl radical of the configuration



wherein R', R'', and R''' are alkyl groups.

2,572,566

PROCESS FOR PRODUCTION OF 3,4-DIHYDROXYTETRAHYDROFURAN

Chester M. Himel and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 7, 1949, Serial No. 69,818

1 Claim. (Cl. 260—345)

The preparation of 3,4-dihydroxytetrahydrofuran which comprises heating an erythritol at a temperature in the approximate range 85°–200° C. in the presence of a mild, non-carbonizing hydrocarbon sulfonic acid selected from the group consisting of benzenesulfonic acid, toluenesulfonic acid, xylenesulfonic acid and ethanesulfonic acid under dehydrating conditions for a time in the approximate range of one minute to one and one-half hours, the temperatures in the upper end of the temperature range being employed together with periods of time selected from the lower end of the time range and vice versa.

2,572,567

ORGANIC SULFENYL THIOCYANATES

Chester M. Himel, Palo Alto, Calif., and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 12, 1949, Serial No. 132,628

13 Claims. (Cl. 260—454)

1. A process for the preparation of an organic sulfenyl thiocyanate which comprises reacting a thiosulfenyl halide selected from the group consisting of thiosulfenyl chlorides, bromides and iodides with a metal salt of hydrocyanic acid.

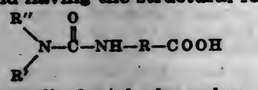
2,572,568

POROUS COMPOSITION MADE WITH SUBSTITUTED CARBAMYL AMINO ACID AS BLOWING AGENT

Earl W. Gluesenkamp, Centerville, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 20, 1949, Serial No. 111,561
6 Claims. (Cl. 260—2.5)

1. A method of preparing a porous composition from a thermoplastic resin, which comprises dispersing in the resin from one to 30 percent of a compound having the structural formula:



wherein R is a divalent hydrocarbon radical of the group consisting of aliphatic radicals and araliphatic radicals having up to ten carbon atoms, and R' and R'' are radicals of the group consisting of aryl, alkyl, aralkyl, alkaryl and cycloalkyl radicals having up to ten carbon atoms, and heating the composition to induce the polymerization of the amino acid derivative, and the formation of gas cells in the composition.

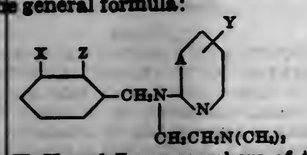
2,572,569

SUBSTITUTED ETHYLENEDIAMINES AND PREPARATION OF THE SAME

Kenneth L. Howard, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

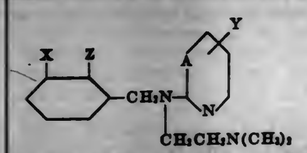
No Drawing. Application June 7, 1947, Serial No. 753,384
9 Claims. (Cl. 260—256.4)

5. Compounds of the group consisting of those having the general formula:

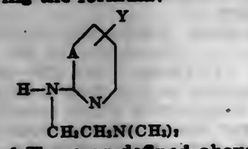


in which X, Y and Z are members of the group consisting of hydrogen and halogen, one being a halogen, A is a member of the group consisting of carbon and nitrogen atoms and salts thereof.

7. A method of preparing compounds of the group consisting of those having the general formula:



in which X, Y and Z are members of the group consisting of hydrogen and halogen, one being a halogen radical and A is a member of the group consisting of carbon and nitrogen atoms which comprises heating a member of the group consisting of benzyl chloride, an ortho-halobenzyl chloride and a meta-halobenzyl chloride with a compound having the formula:



in which A and Y are as defined above, and recovering said compound therefrom.

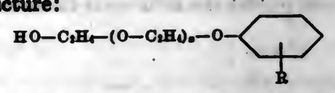
2,572,570

DIAMINODIPHENYLSULFONE DERIVATIVES

Milton Kosmin, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 24, 1948, Serial No. 61,893
4 Claims. (Cl. 260—397.6)

1. A reaction product of one mole of 4,4'-diaminodiphenyl sulfone with from one to two moles of a product made by reacting equal-molar quantities of each of the compounds formaldehyde, hydrochloric acid and a compound of the following structure:



wherein R is a radical of the group consisting of hydrogen and alkyl having up to eighteen carbon atoms, and x is a small whole number from five (5) to thirty (30).

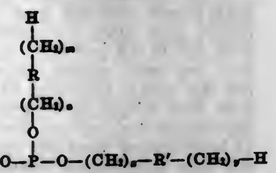
2,572,571

STABILIZED VINYL CHLORIDE RESINS

Paul E. Marling, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 29, 1948, Serial No. 41,417
6 Claims. (Cl. 260—45.7)

1. A vinyl chloride resin stabilized against discoloration upon heating which comprises a copolymer in which at least 70 percent of the monomeric component is vinyl chloride, said polymer containing intimately dispersed therein from 0.1 to 20 percent of an aromatic phosphite having the structure:



wherein R, R' and R'' are arylene radicals, and m, n, x, y, o and p are small whole numbers from zero (0) to two (2), inclusive.

2,572,572

Ar-CYCLOHEXYLSTYRENE AND POLYMER THEREOF

David T. Mowry and Raymond B. Seymour, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 5, 1945, Serial No. 576,362
10 Claims. (Cl. 260—88.1)

7. A copolymer obtained by polymerizing arcyclohexylstyrene and styrene.

2,572,573

METHOD OF INSPECTING ELECTRIC LAMP FILAMENTS

Robert B. Reid, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

No Drawing. Application March 31, 1949, Serial No. 84,737
1 Claim. (Cl. 250—71)

The method of determining the source of contaminating oil on tungsten wire during the fabrication of electric lamp filaments therefrom which comprises adding a different colored oil-soluble fluorescent dye to each of a plurality of oil-bearing parts of the machine on which the filaments are fabricated, and inspecting said wire under a source of ultraviolet light during the fabricating process to detect the presence of contaminating oil thereon.

2,572,574

3-(THIOCYANOMETHYL) THIANAPHTHENE AND HERBICIDAL COMPOSITIONS COMPRISING SAME

Arthur H. Schlesinger and David T. Mowry, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 25, 1950, Serial No. 175,858
6 Claims. (Cl. 71—2.5)

1. 3(thiocyanomethyl)thianaphthene.

2,572,575

PREPARATION OF TEREPHTHALIC ACID

Theodore C. Shafer and Raymond I. Longley, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 23, 1949, Serial No. 117,494
3 Claims. (Cl. 260—525)

1. A method of separating a mixture of terephthalic acid and para-toluic acid, which comprises contacting the mixed acids with water at a temperature between 100° C. and 200° C., and filtering the resulting slurry at a temperature between 100° C. and 200° C.

2,572,576

PROCESS OF CLEANING EMULSIONS OFF FILMS

Anthony John Stybel, Bayonne, N. J.

No Drawing. Application June 11, 1947, Serial No. 754,051
4 Claims. (Cl. 134—3)

1. A process of cleaning and removing emulsions of silver salts in gelatin from photographic films comprising first passing the film through a first water bath to swell the emulsions on the film, then passing the film through an aqueous sodium hypochlorite solution to precipitate the silver salts as silver chloride, thereafter passing the film through an aqueous hypochlorous acid solution to complete the precipitation of the silver salts as silver chloride, then passing the film through an aqueous sodium sulfite solution, and finally washing the film in water.

2,572,577

REPELLENCE OF INSECTS

Carolyn E. Tissot, Minneapolis, Minn., and Lyle D. Goodhue, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application October 23, 1950, Serial No. 191,723
10 Claims. (Cl. 167—33)

3. A method for rendering a surface roach repellent, comprising 2,3,4,5-bis(Δ^2-butenylene)-tetrahydrofurfural thereto.

2,572,578

METHOD OF PREPARING SILICA SOLS

Henry S. Trail, Quincy, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 31, 1948, Serial No. 68,723
8 Claims. (Cl. 252—313)

1. The method of converting silica aquagel to silica aquasol which comprises heating a mixture of heat stable, alkaline reacting silica aquasol and substantially neutral silica aquagel, which aquagel is substantially free of electrolytes, in a closed system at temperatures above about 125° C. while substantially preventing boiling of said mixture, said mixture containing at least 0.25 part by weight of aquasol for each part by weight of aquagel, said alkaline reacting silica aquasol containing at least 0.005 mol of free basic compound (calculated as NaOH) for each mol of silica in said silica aquagel.

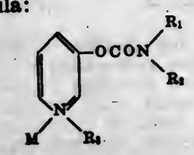
2,572,579

DISUBSTITUTED CARBAMIC ACID ESTERS OF 3 - HYDROXY - 1 - ALKYL - PYRIDINIUM SALTS

René Urban, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 18, 1946, Serial No. 670,838. In Switzerland July 26, 1945
5 Claims. (Cl. 260—295.5)

1. Salts of N,N-disubstituted carbamic acid esters of N-alkyl-3-hydroxypyridinium of the general formula:



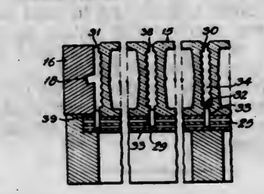
wherein R_1 and R_2 are selected from the group consisting of alkyl, aryl and aralkyl radicals, R_3 is selected from the group consisting of alkyl radicals, and M is selected from the group consisting of halogen and alkyl sulphate radicals.

2,572,580

METHOD FOR PREFABRICATING GLASS BLOCK PANELS

Thomas Kirk Almroth and Thomas Kirk Almroth, Jr., Van Nuys, Calif.

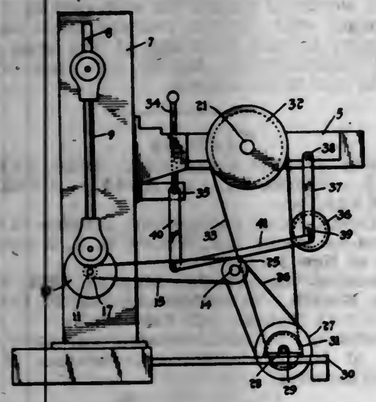
Application February 13, 1948, Serial No. 8,074
9 Claims. (Cl. 18—59)



1. A method of forming an integral block panel, including the following steps: providing a retaining frame, arranging blocks in predetermined order in said frame to provide spacing between the blocks, sealing off the lower extremities of said spaces, injecting a loose comminuted material into the lower regions of said spaces, inserting a bonding agent into said spaces above said comminuted material, subsequently unsealing the

lower extremities of said spaces and removing said comminuted material, inverting the panel and inserting a bonding material into the spaces formerly occupied by said comminuted material.

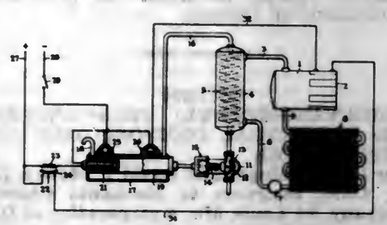
2,572,581
UNREELING AND FEEDER DEVICE FOR SHEET WOOD CLIPPERS
Joseph X. Ambeault, Ste. Therese de Blainville, Quebec, Canada, assignor, by mesne assignments, to Commonwealth Plywood Company Limited, Ste. Therese, Quebec, Canada
Application January 10, 1947, Serial No. 721,320
2 Claims. (Cl. 164—49)



1. Apparatus for feeding a sheet of wood veneer to a clipper comprising a feeder table, a sheet wood clipper mounted at one end of said table, a feeder roller shaft rotatably supported by said table in advance of said clipper, feeder rollers fixed to rotate with said shaft to continuously engage a sheet of wood veneer for feeding it over the table towards said clipper, means for operating said clipper including a power driven shaft, a feeder roller driving shaft, means for driving said feeder roller driving shaft from said clipper operating power shaft, a loose belt connecting said feeder roller shaft and said feeder roller drive shaft, a belt tightener mounted for rotation between a pair of arms, said arms being pivotally connected at their upper ends to said table for swinging suspension of said belt tightener into and out of engagement with said belt, said belt tightener being normally suspended out of engagement with said loose belt, and a manually operated lever mechanism mounted beneath said table and linked to said belt tightener, said lever mechanism being operable for engaging said belt tightener with said loose belt to render the latter effective for driving the feeder roller shaft from the feeder roller drive shaft, said belt tightener also being returnable to its normal suspended position upon release of said lever mechanism.

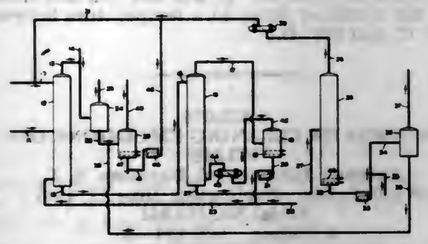
2,572,582
SAFETY CONTROL FOR LIQUID-COOLED DEVICES
John M. Andrews, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application July 21, 1950, Serial No. 175,231
2 Claims. (Cl. 62—4)

1. The combination of a refrigerative circuit including power-operated compressing means and a liquid-cooled condenser; connections for supplying and discharging cooling-liquid to and from said condenser; means responsive to the temperature of cooling-liquid adjacent said discharge connection, and serving to control the rate at which said liquid is supplied, to afford a normal



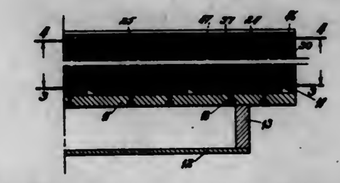
operating condenser temperature; a heater arranged to supply a definite continuing increment of heat to the cooling-liquid approaching said discharge connection; and means responsive to excessive temperature of said liquid after the accession of said increment, to interrupt the supply of motive power to said compressing means.

2,572,583
IMPROVED LIQUID-LIQUID CONTACTING PROCESS USING DI(BETA-CYANOETHYL)-AMINE
Herbert R. Antle, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 21, 1948, Serial No. 66,556
6 Claims. (Cl. 196—14.15)



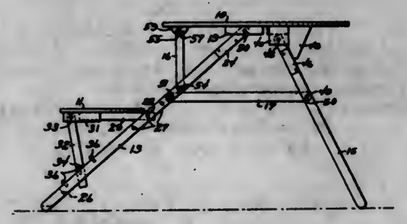
1. A process for the separation of one type of hydrocarbon and of asphaltic and color body material from a mixture containing these and another type of hydrocarbon as separate products comprising treating such a mixture of hydrocarbons with di(beta-cyanoethyl)-amine as a first selective solvent under conditions to form a first raffinate phase and first extract phase, separating these phases, extracting with water the dissolved first solvent from the hydrocarbon of the first raffinate phase and recovering this separated hydrocarbon free from said one type of hydrocarbon and asphaltic and color body materials as one product of the process; treating the first extract phase with a second selective solvent having a preferential selectivity for said one type of hydrocarbon under conditions to form a raffinate phase and an extract phase, separating this latter raffinate phase as the second raffinate phase and this latter extract phase as the second extract phase, separating said one type of hydrocarbon from the selective solvent of said second extract phase, recovering said separated one type of hydrocarbon as a second product of the process and recycling said separated selective solvent into the second treating step as said second selective solvent; vacuum distilling a portion of the dissolved first solvent from said second raffinate phase, extracting with water the first solvent from the vacuum distillation bottoms and recovering this extraction residue as a separated asphaltic and color body third product of the process; combining the two aqueous solutions of first solvent, recovering solvent therefrom, adding the vacuum distilled first solvent and recycling this combined first solvent as the first selective solvent into the original treating step.

2,572,584
PACKAGE OF BOX BLANKS
Hector Audino, Teaneck, N. J.
Application September 17, 1948, Serial No. 49,721
8 Claims. (Cl. 206—60)



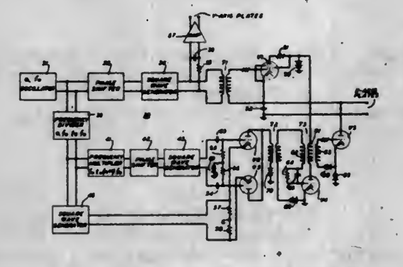
1. A package of similar box blanks of the type having sealing flaps which comprises a platform having at least one cutout therein for each vertical stack of box blanks, a plurality of stacks of box blanks located upon said platform with the flaps in vertical registration and with at least one of the sealing flaps of the lowermost blank of each stack displaced out of the plane of its blank and into the plane of the platform cutout, the flaps vertically registered with said one flap being displaced out of the plane of their respective blanks and into the plane of lower blanks in the stack.

2,572,585
FOLDING DESK AND TABLE
Harold Boyd Barber, Missoula, Mont.
Application September 6, 1950, Serial No. 183,328
2 Claims. (Cl. 155—124)



1. In a folding stand, the combination which comprises a table top having blocks on the under surface thereof, a pair of spaced parallel side rails pivotally mounted between two of the blocks on the under side of the table top and providing a main supporting leg, relatively spaced stop pins on said main supporting leg, a seat pivotally mounted between the rails of the main supporting leg and extended outwardly therefrom, a support pivotally mounted on the under side of the seat and positioned to adjustably engage the stop pins on said main supporting leg, a pair of auxiliary legs also pivotally mounted between blocks on the under surface of the table top and extended outwardly in diverging relation, a pin extended through the said auxiliary legs retaining the legs in outwardly extended positions, a brace pivotally mounted at one end between the rails of the main supporting leg and having a notch in the opposite end positioned to receive the pin between the said auxiliary legs, and a top brace also pivotally mounted between the rails of the main supporting leg and having pins extended from the sides of the upper end positioned to seat in notches in the lower surfaces of blocks positioned on the under surfaces of the table top.

2,572,586
SWEEP CIRCUIT
Harold L. Barney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1950, Serial No. 150,505
5 Claims. (Cl. 315—24)

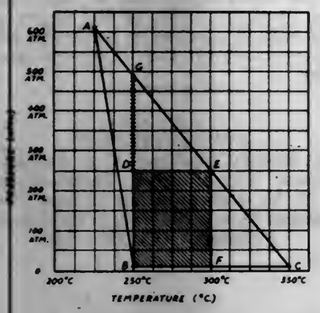


1. In combination, an electron beam source, a target interposed in the path of said beam, a first and second pair of plates in space quadrature for deflecting said beam, a source of a first voltage which comprises a series of sawtooth waves, means for applying said first voltage to said first pair of deflecting plates, a source of a second voltage which comprises a series of waves which include a first sweep portion, a steady portion, a second sweep portion, and a return portion, the steady portion occurring at varying intervals between the two sweep portions, and means for applying this second voltage to said second pair of deflecting plates, the first and second voltages cooperating to sweep the electron beam across the target in two series of substantially parallel lines, said series having obliquely related directions in the plane of said target and the individual lines of said series being laid down in alternate succession.

2,572,587
PROCESS FOR PRODUCTION OF AMMELIDE AND AMMELINE
Leland J. Beckham, Chesterfield County, Va., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application July 3, 1947, Serial No. 758,803
3 Claims. (Cl. 260—249.5)

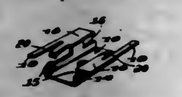
1. A process for the production of an ammelide-ammeline triazine product which process consists in heating urea to decomposition temperatures and continuing the heating at temperatures between about 225° C. and 350° C. and under pressures of urea pyrolysis products in the gas phase which do not exceed the values defined by the line "AC" of the accompanying diagram, but which at least at the end of the heating period fall within the area "ABC" of the accompanying diagram, wherein the coordinates of the points

A, B and C respectively are 225° C., 610 atmospheres; 250° C., 10 atmospheres; 350° C., 10 atmospheres; and with the mol ratio of the ammonia and carbon dioxide present initially and



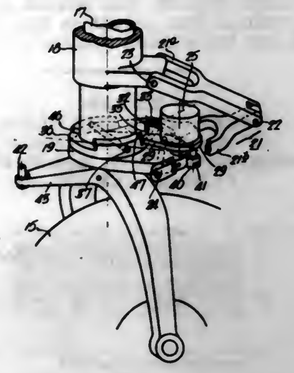
formed as reaction products not exceeding about 4:1 of ammonia:carbon dioxide; and recovering triazine products which as formed in the reaction contain at least 70% by weight of ammelide-ammeline mixture.

2,572,588
BLIND ASSEMBLY NUT
William A. Bedford, Jr., North Scituate, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 20, 1947, Serial No. 729,681
5 Claims. (Cl. 151—33)



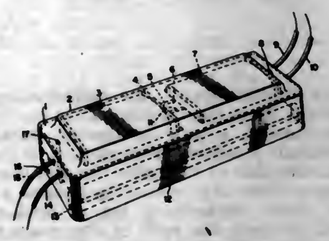
1. A fastener for attachment to a plate support having a substantially rectangular aperture comprising a substantially rectangular body portion corresponding generally in shape to the support aperture and being of less width and length so as to be freely passable therethrough when aligned therewith, said body portion having means for receiving a cooperating fastener element and surfaces for engaging a face of such a support when inserted through the aperture thereof and rotated about an axis normal to its plane, support-engaging wing portions disposed in a plane spaced from the plane of said surfaces and extending laterally beyond the sides of said body portion for engaging an opposite face of said support, the length of said wing portions measured lengthwise of said body portion being greater than the width of said support aperture, and means joining said wing portions to said body portion, said means comprising connecting leg portions disposed solely adjacent diagonally opposite corners of the body portion and presenting edges at the outer ends thereof for engagement with the longer edges of said support aperture when the fastener is rotated to locking position, the inner edges of said leg portions being spaced inwardly from the ends of said body portion a sufficient distance to permit free rotation of said fastener to and from locking position, said leg portions acting as stops to limit rotation of the fastener past a predetermined locking position.

2,572,589
OSCILLATION DAMPER FOR FULL SWIVELING WHEELS
Arthur E. Bishop, Chatswood, near Sydney, New South Wales, Australia
Application June 22, 1948, Serial No. 34,434
11 Claims. (Cl. 16—35)



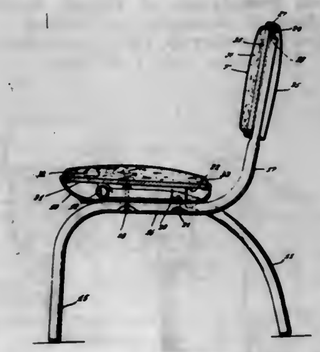
1. Apparatus for damping oscillations of a first swiveling wheel structure rotatably mounted in a second relatively fixed bearing structure comprising a radially slotted member pivotally mounted on one of said structures, primary actuating means carried by the other of said structures for pivoting said member by engagement with the slot therein, means for retarding free pivotal movement of said member throughout a predetermined angle of operative range of said member defined by limit positions equally spaced on opposite sides of a center in-line position, and secondary actuating means rigidly connected to said primary actuating means for engaging and shifting the member between the limit positions in accordance with the direction of relative angular rotation between said first swiveling wheel structure and said second relatively fixed bearing structure.

2,572,590
INSULATION EMBEDDED BALLAST UNIT
Tore Sigvard Björklund, Stockholm, Sweden, assignor to Lumalampan Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application February 27, 1948, Serial No. 11,528
In Sweden December 30, 1946
1 Claim. (Cl. 175—356)



A ballast for electric discharge tubes for illuminating purposes, comprising a closed core structure consisting of a pile of iron laminae placed directly upon one another devoid of fastening means therefore and forming a frame having an air gap therein, an inductive unit positioned on a leg of said core structure, an envelope consisting of a baked hardenable synthetic mass entirely embedding and surrounding said core structure and said inductive unit and filling up said air gap, said laminae being mutually united to one another and to the pile solely by said baked synthetic mass, said ballast being provided with mechanically fastening and electrically connecting means anchored in the envelope mass and having longitudinal slots arranged in the underside of said evelope for the insertion of wires, and end walls normally covering said slots and limiting the length thereof, said walls being breakable to expose said slots.

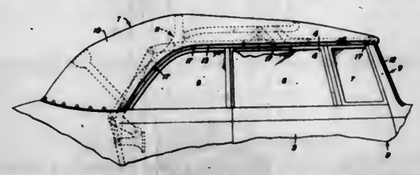
2,572,591
METAL CHAIR
Earl C. Booth, Columbus, Ind., assignor to Arvin Industries, Inc., a corporation of Indiana
Application July 26, 1948, Serial No. 40,640
6 Claims. (Cl. 155—194)



1. In a chair, a generally U-shaped supporting member having a horizontal intermediate portion and side portions extending rearwardly and downwardly from the ends of the intermediate portion to form rear legs, a pair of side members each having a generally horizontal intermediate portion, an upwardly extending rear portion, and a downwardly extending front portion constituting a front leg for the chair, said side members being disposed with their intermediate portions converging rearwardly to cross the side portions of said supporting member adjacent the ends of the intermediate portion of such supporting member, means securing the side members and supporting member together at the points where the side members cross the side portions of the supporting member, a brace secured to said side members near the rear of their intermediate portions, said brace extending outwardly beyond each side member into load-transmitting relationship with the side portions of the supporting member, a seat supported on said brace and the intermediate portion of the supporting member, and a back supported on the rear portions of said side members.

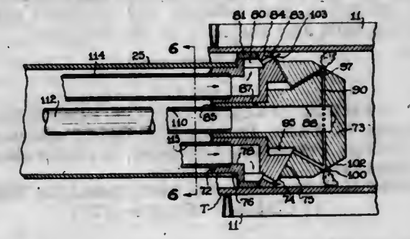
2,572,592
DRIP CHANNEL FOR VEHICLES HAVING CONVERTIBLE TOPS
Carl S. Brandt, Ithaca, N. Y., and Jessie W. Karsted, Washington, D. C.
Application September 29, 1948, Serial No. 51,686
2 Claims. (Cl. 296—107)

1. The combination of a convertible vehicle top including collapsible supporting means and top fabric covering the same and having down-turned side edge portions, a drip channel of flexible material having an inner longitudinal edge portion disposed at and secured to the inner surface of a down-turned side portion of said top fabric, a flexible outer reinforcing rod embedded in the outer longitudinal edge portion of said channel, a flexible inner reinforcing rod embedded longitudinally in the inner longitudinal edge portion of the channel in a position spaced downwardly from the lower edge of the down-turned portion of the top fabric, whereby portions of the channel between the inner and outer



rods and above the inner rod are more flexible than the reinforced portions thereof, and a plurality of hook-shaped resilient clips disposed at longitudinally spaced points under said channel and supportably engaging the same, said clips having inner end regions secured to the inner longitudinal edge portion of the channel and to the associated downturned edge portion of the top fabric, and inturned and downturned outer end regions embracing the outer longitudinal edge portion of the channel, whereby to resist transverse distortion of the latter.

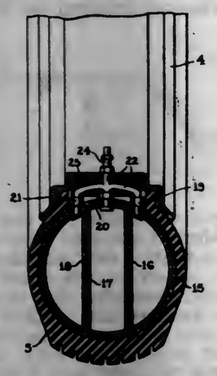
2,572,593
APPARATUS FOR BRAZING FINS TO TUBES
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application February 10, 1947, Serial No. 727,598
8 Claims. (Cl. 113—59)



4. In an apparatus for bonding an elongate member to the exterior of a tube substantially parallel to the tube axis by fusing a bonding metal disposed on the exterior of the tube, a frame, a mandrel secured at one end to said frame, a head carried by the other end of the mandrel and having a portion adapted to fit closely inside of said tube, heating means in said head to heat an annular increment of said tube, cooling means to direct coolant against another annular increment of said tube, said cooling means being disposed between said heating means and said mandrel, means carried by said frame to hold an elongate member against the exterior of said tube substantially parallel to the tube axis, said holding means engaging said elongate member in at least two longitudinally spaced zones and being adapted to hold said elongate member and said tube fixed with respect to each other as the assembly of tube and member are

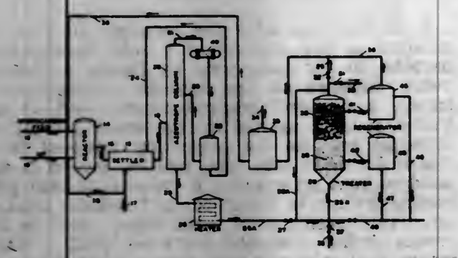
moved with respect to said head first to heat and then cool successive annular increments of said tube to bond said tube and member together.

2,572,594
PNEUMATIC TIRE
Anthony Joseph Bushemi, Pittsburgh, Pa.
Application May 27, 1949, Serial No. 95,739
2 Claims. (Cl. 152—342)



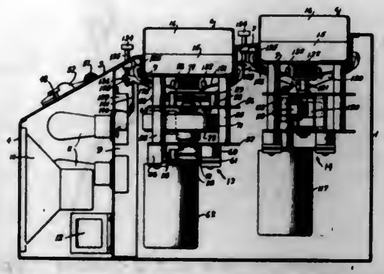
1. A tire structure comprising an inner tube structure having a plurality of annular chambers disposed in relatively side-by-side relation in directions axially of the tire, a branched conduit having an inlet line that is positioned to extend through a hole in the felly portion of a tire rim and having branches that will lie between the rim flanges and each branch extending radially into one of the said chambers, inwardly-opening check valves for the respective branches, to retain air pressure within the various chambers, and a filler block disposed in generally enclosing relationship to the inner part of the conduit and its branches, and between the adjacent surface of the tube and the felly of the tire rim.

2,572,595
DEHYDROFLUORINATION PROCESS
George N. Cade, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 18, 1947, Serial No. 792,592
10 Claims. (Cl. 260—676)



1. A method for catalytically treating a saturated hydrocarbon material containing saturated fluorine containing organic compounds as impurity for the removal of said impurity comprising maintaining a body of at least one finely divided metal catalyst selected from the group of metals consisting of zinc, magnesium, cadmium, copper, lead and aluminum, in a fluidized condition in a treating zone at a temperature between the limits of 150° F. and 350° F., passing said saturated hydrocarbon material containing said impurity in a vaporous condition at a temperature between the limits of 150° F. and 350° F. into said body of fluidized metal catalyst in said zone to decompose the organic fluorine compounds and liberate hydrogen fluoride, immediately separating the liberated hydrogen fluoride from the hydrocarbon vapors by passing the effluent vapors from the fluidized metal catalyst through a fluidized body of activated carbon in said zone above and in contact with said metal catalyst, and removing treated hydrocarbon material from the body of activated carbon in said zone as the product of the process.

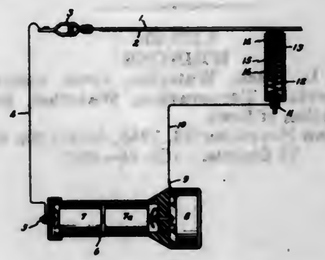
2,572,596
MAGAZINE TYPE MAGNETIC RECORDING AND REPRODUCING DEVICE
Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, a corporation of Illinois
Application December 29, 1944, Serial No. 570,291
18 Claims. (Cl. 179—100.2)



1. In combination, a magnetic recorder assembly including a cabinet, a magazine receiving socket formed in said cabinet, a magazine received snugly in said socket and having a reel shaft, a drive shaft extending into said socket for coupling with said reel shaft, latching means to hold said magazine in coupled position in said socket, ejector means reciprocable in and out of said socket for forcing said magazine outwardly from said socket to uncouple said shafts, manual release means mechanically connected to said latching means and said ejector means to contemporaneously unlatch and uncouple said magazine when operated, and a spring operatively connected with said manual release means biasing the same to hold said latching means in latching position and said ejector means in retracted position.

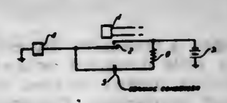
2,572,597
POROSITY TESTER FOR COATING MATERIALS
Thomas J. Connor, Lower Merion, Pa., assignor to General Electric Company, a corporation of New York
Application January 2, 1951, Serial No. 204,013
1 Claim. (Cl. 175—183)

A device for determining porosity in a layer of non-conducting coating material applied to a metallic surface comprising a portable applicator member including a container having an open end; a metallic plate positioned within said container; a pad of absorbent material contacting said plate, filling said open end, and protruding beyond the extremity of said member; an electrically conductive water solution of a volatile salt filling said container and wetting said pad to establish electrical contact between said plate and said metallic surface through any pores in said coating material in response to movement of said pad across said coating material; and a circuit



arranged to be completed by said contact including a source of voltage and a current indicating device, said contact to cause a deflection on said indicating device indicative of porosity in said layer of coating material in response to permeation of said solution into the pores in said coating material.

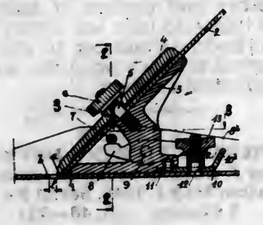
2,572,598
CONTACT PROTECTION
Austen M. Curtis, deceased, late of South Orange, N. J., by Lavalette Stevenson Curtis, executrix, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 6, 1947, Serial No. 790,149
5 Claims. (Cl. 175—294)



1. In a direct current electrical circuit, a pair of contacts, means for actuating said contacts to establish and to interrupt the transfer of electrical energy through said contacts, and a contact protector shunting said contacts to protect said contacts from deterioration as a result of said actuation, said protector including a non-linear capacitance, the magnitude of the capacity of said capacitance increasing as the potential applied thereacross increases.

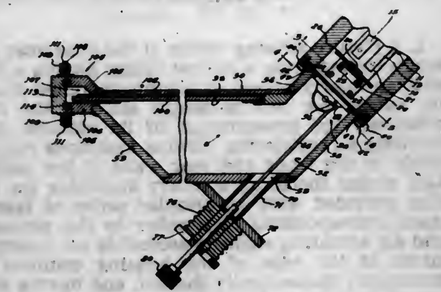
2,572,599
BENCH PLANE WITH ADJUSTABLE BIT CARRIER
Charles de la Source, Paris, France, assignor to Les Fils de Peugeot Freres, Valentigney (Doubs), France, a French company
Application October 17, 1946, Serial No. 703,911
In France December 5, 1945
2 Claims. (Cl. 145—15)

1. A bench plane comprising a plane stock, a bit carrier, a U-shaped resilient slide acting as a two arm lever, means for pivoting the bit carrier on the lateral parts of said slide, at an intermediate point of their length, an abutment member on the plane stock for engagement with the ends of said lateral parts, an adjusting member comprising a cam pivoted to the bit carrier and having a cam slot, a threaded pin carried by the plane stock and engaging with said cam slot, and a nut in engagement with said pin, said nut being adapted to press upon the cross part of the said



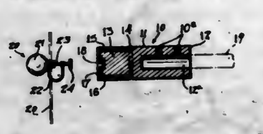
slide and to clamp the cam in the adjusted position.

2,572,600
MASS SPECTROGRAPH
Arthur J. Dempster, Chicago, Ill., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application January 17, 1947, Serial No. 722,640
7 Claims. (Cl. 250—41.9)



1. A magnetic lens comprising spaced magnets arranged end-to-end defining an ion path therebetween, rigid non-magnetic means interconnecting said magnets, pivots on the remote sides of said magnets, disposed on a common axis, and means to rotate the magnets on the pivots attached to one of the magnets.

2,572,601
SPINNING DEVICE FOR EARRING SCREW CLAMPS
Andrew A. De Wilde, New York, N. Y.
Application February 16, 1949, Serial No. 76,727
2 Claims. (Cl. 81—52.4)



1. A device for attachment to a continuously rotating shaft to engage the head of an earring screw or the like to rotate the screw in a direction to mount the earring in a fixed position on a support, comprising a cylindrical member disposed with its axis in alignment with the axis of the shaft, said cylindrical member having a bore in its one end to receive the free end of the shaft, a tube of friction material fitted over the other end portion of said cylindrical member, a wall closing the outer end of said tube and extended across the other end of said cylindrical member, and means on said wall in which the

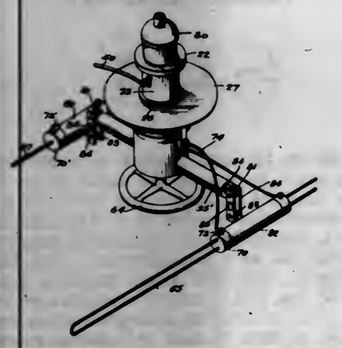
head of the screw can be gripped for turning the screw, said tube having an inside diameter very slightly greater than the external diameter of the said other end portion of said cylindrical member so that said tube will lightly frictionally grip said cylindrical member to slip relative to said cylindrical member when the screw reaches its fully tightened position.

2,572,602
PICTURE VIEWING DEVICE
James J. Dilks, Haddon Heights, N. J.
Application May 3, 1946, Serial No. 667,065
5 Claims. (Cl. 40—71)



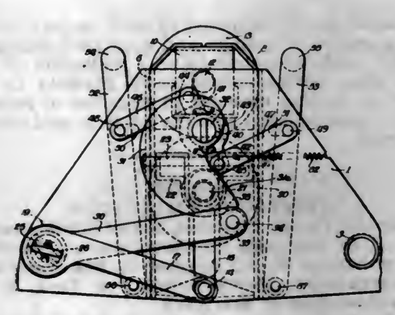
1. A picture viewing device of the character described comprising a hollow casing having a disk with annularly-arranged pictures mounted therein, means for intermittently shifting the disk rotatively for presentation of its pictures successively at registering viewing apertures respectively in the front and rear walls of the casing, said means including a rotary mounting for the disk provided with an annular series of lateral studs corresponding in number to the pictures, and an actuating element accessible for manipulation at the edge of the housing confined to movement diametrically thereof, and having cam edges, one adapted upon movement of said element in one direction to cooperate with a stud on the plate and another adapted upon reverse movement of said element to cooperate with a diametrically opposite stud on said mounting to rotatively shift the film disk through a distance equal to the circumferential spacing of the pictures at each actuation.

2,572,603
INDOOR TELEVISION ANTENNA MOUNTING
Frank E. Dudley, Philadelphia, Pa.
Application January 17, 1949, Serial No. 71,284
2 Claims. (Cl. 250—33)



1. In a television antenna, a screw plug adapted to engage a socket, slip rings on and depending from the plug, terminals on the plug connected to the slip rings, a bearing on the plug, a housing rotatably in the bearing, brushes on the housing engaging the respective slip rings, a universal joint connected to the housing, and a television antenna mounted on the universal joint and electrically connected to the brushes.

2,572,604
WRINGER
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa, a corporation of Iowa
Application November 23, 1945, Serial No. 630,177
18 Claims. (Cl. 68—263)

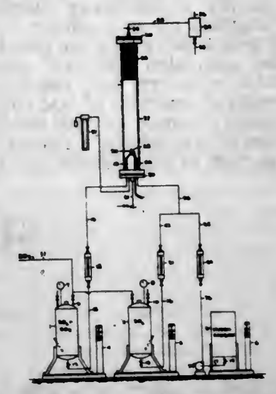


1. In a wringer, a frame having end plates, coacting wringer rolls mounted between said end plates, and spring means carried between said end plates and projecting therethrough, said spring means being connected with one of said rolls to urge same toward the other roll and comprising a torsional spring projecting through said end plates, roll bearing means, linkage means interconnecting the ends of said spring and said bearing means, and operable means supported outside one of said end plates and independent of said linkage means and at one end of the frame and connected with said torsional spring and adapted to twist same to induce a predetermined tension therein for transmission to said one wringer roll.

2,572,605
PROCESS FOR SULFONATION OF ORGANIC COMPOUNDS
John K. Fincke, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application April 1, 1948, Serial No. 18,448
6 Claims. (Cl. 260—503)

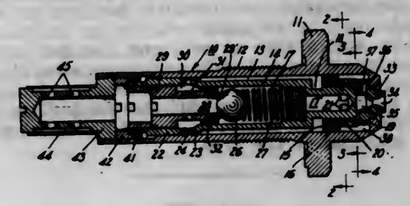
2. In the process of sulfonation in which a stream of liquid SO_3 containing dissolved SO_3 is mixed with a stream of liquid SO_3 containing a dissolved hydrocarbon which contains at least one group of the type: —CH=CH—, whereby said hydrocarbon is sulfonated and heat of sulfonation is liberated, the step of flowing said mixed streams through a nozzle into a zone of lower pressure, complete evaporation of liquid

SO_3 occurring within said nozzle solely by means of said heat of sulfonation, the pressure drop



across the nozzle being at least 40 pounds per square inch.

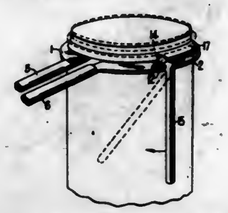
2,572,606
BURNER NOZZLE
Gerald A. Fisher, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 9, 1947, Serial No. 772,971
4 Claims. (Cl. 299—118)



1. A burner nozzle comprising a nozzle body having a nozzle tip at the discharge end thereof, said tip being formed with a discharge orifice and a whirl chamber in communication with said orifice, said tip being also formed with separate inflow ducts for conducting low pressure and high pressure fuel to said whirl chamber, said low pressure ducts being restricted to impart high velocity to the fuel at relatively low fuel flows, a hollow valve housing located within the nozzle body and spaced therefrom to provide a low pressure fuel passage leading to said low pressure ducts, the interior of said valve housing providing a high pressure flow passage leading to said high pressure ducts, a valve seat removably disposed within said housing and formed with a flow passage for conducting fuel to said high pressure fuel passage, and a spring pressed check valve engaging said seat, said nozzle having means defining a single inlet passage for liquid fuel upstream of said check valve common to said low and high pressure fuel passages.

2,572,607
VACUUM CAP LIFTER AND BOTTLE OPENER
Arthur Haydon Foster and Annie Foster, Winnipeg, Manitoba, Canada
Application May 2, 1950, Serial No. 159,504
4 Claims. (Cl. 81—3.36)

1. A cap lifter comprising two substantially semi-circular jaws, means pivotally connecting corresponding ends of said jaws, separate handles secured to the other ends of said jaws, a bearing extending radially through one jaw, a shaft



passing through said bearing and rotatable therein, a thin knife-like cam extending from the inner end of said shaft and a handle secured to the other end of said shaft.

2,572,608
ARTIFICIAL FISH BAIT
William Gabor, Milton, Mass.
Application February 20, 1950, Serial No. 145,128
2 Claims. (Cl. 43—42.1)

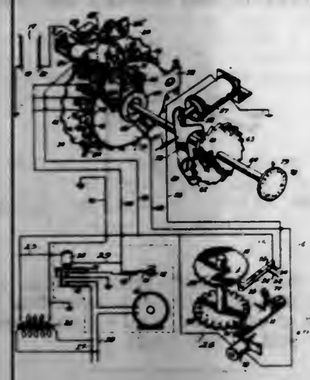


1. As a new article of manufacture, an artificial worm comprising an elongated body of compressively resilient rubber having its exterior surface cured and non-sticky and provided with an elongated slit opening through one side of said body, the walls of said slit being composed of sticky uncured self-healant rubber, said slit providing a self-sealing groove for reception and anchored retention of the shank portion of a conventional fishhook.

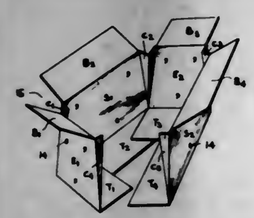
2,572,609
AUTOMATIC PHONOGRAPH
Olgierd Gierwiatowski, Chicago, Ill., assignor, by mesne assignments, to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application September 3, 1943, Serial No. 501,066
15 Claims. (Cl. 74—479)

1. In an automatic phonograph selector, a plurality of displaceable selector elements, a pusher element, mounting means for moving said pusher element into axial alignment with any one of said displaceable elements, an electrical coil, an armature movable under the influence of said coil, said armature being adapted when said coil is energized to produce axial movement of said pusher element to push a displaceable element when in alignment therewith, means including circuit controlling means positionally correlated with said mounting means to prevent energization of said coil unless said pusher is in axial alignment with one of said selector elements, and

means for returning said pusher element to initial position after the coil is deenergized leaving the actuated selector element in displaced condition.



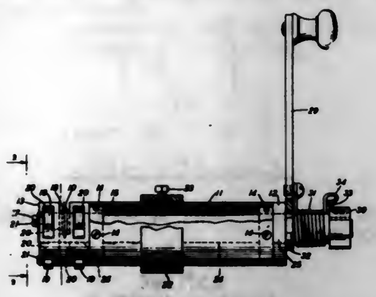
2,572,610
CARTON AND CARTON BLANK
Jack A. Gilbert, Long Beach, N. Y.
Application June 24, 1949, Serial No. 101,040
4 Claims. (Cl. 229—31)



1. A carton-blank, said blank having opposite side wall panels and opposite end wall panels arranged in linear succession with alternate panels of similar dimensions forming opposite walls and adjacent panels forming walls angular to each other, said panels being bendable relative to each other with the respective ends of the linear arrangement adapted to be secured together to provide the body of the carton, each of said end and side wall panels having top and bottom flaps integral therewith, said flaps being bendable relative to said end and side wall panels to provide the top and bottom sections for said carton, lateral fold sections integral with and connecting said side and end wall panels, each of said lateral fold sections comprising foldable triangular portions, said lateral fold sections being bendable inwardly relative to the end and side wall panels, the foldable triangular portions of each said lateral fold section being in abutment when said sections are folded inwardly to form the carton.

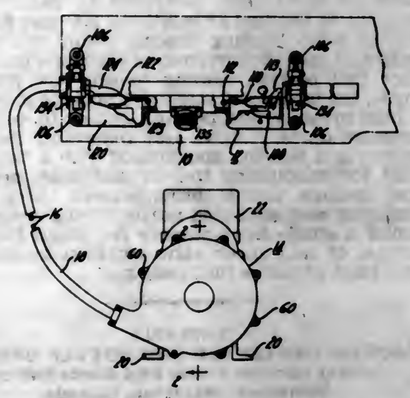
2,572,611
INTERNAL PIPE CUTTER
Robert F. Glore, Scotch Plains, and Karl H. Schanke, North Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 27, 1947, Serial No. 770,918
1 Claim. (Cl. 30—104)

A pipe cutting tool comprising a spindle having a tranverse slot in one end thereof, a cutting wheel mounted eccentric to the axis of the spindle and partially within said slot, a sleeve, members secured at each end of said sleeve, said members having eccentrically disposed means serving as bearings for said spindle, anti-friction supporting means carried on the periphery of the end member associated with said cutting wheel, an adjustable collar on said sleeve adapted to limit the depth of insertion of said cutting wheel, a crank handle mounted for free rotation on the unslotted end of said spindle, a helical spring embracing a portion of said spindle, one end of said



spring being secured to said crank handle, a free end of said spring extending away from said spindle whereby said spindle can be released by said spring for free rotation relative to said crank handle, a knob keyed on the unslotted end of said spindle whereby the rotative position of said spindle can be adjusted relative to said crank handle, and a stop on said end member juxtaposed to said crank handle and cooperating therewith for limiting the relative rotation between said sleeve and said spindle and controlling the cutting engagement of said cutting wheel with the material of the pipe.

2,572,612
AUTOMATIC GUN CHARGER
George A. Goepfrich and William C. Rohn, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 8, 1944, Serial No. 562,542
2 Claims. (Cl. 89—1)



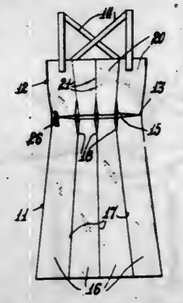
1. In combination with an automatic gun having a portion reciprocable during normal gun operation, a mechanism mounted on the gun and having a member for engaging the reciprocable portion to retract the same and then release it for countermovement, a torque limiting drive device connected to the mechanism to operate the same to simulate normal movement of the reciprocable portion when charging of the gun is desired, an electrical system comprising first and second circuits connected to a source of current, a time delay relay in the second circuit having two connections to said source, a normally open switch in one of said connections and mounted on the gun and constructed and arranged to be closed intermittently in response to reciprocation of said reciprocable portion during normal gun operation to keep said time delay energized, a normally closed switch in the other of said connections, a relay in the second circuit normally disconnected therefrom and arranged therein to control said normally closed switch, a motor in the second circuit drivably connected to the torque limiting device, electro-magnetic means for controlling said motor, a normally closed switch connecting the electro-magnetic means to said source and constructed and arranged to respond to energization of the time delay relay to open said switch, a trigger switch in the first circuit, and means in the first circuit comprising a normally open switch located in the second circuit actuable by said means which is energized by closing the trigger switch for closing said last mentioned normally open switch for connecting the aforesaid relay to the second circuit to open said normally closed switch in said other connection so that the time delay relay is energized only by the intermittent closing of said normally open switch in said one connection during normal gun operation and is deenergized upon malfunction of said gun, whereby said normally closed switch connecting the electro-magnetic means to the source is closed to connect the motor for driving said torque limiting device.

2,572,613
SETSCREW
Harold W. Goff, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1945, Serial No. 631,162
2 Claims. (Cl. 85—1)



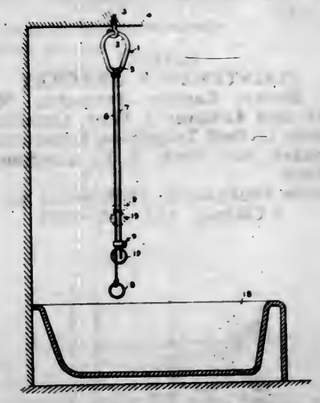
1. A set-screw for securing the elements of a machine together in such a manner that no mutilating of the cooperating parts result and that fine adjustments of the elements may be readily effected, comprising an elongated externally threaded body member of relatively hard ferrous metal, having on one end thereof means for effecting the rotation thereof and on the other end a readily frangible reduced portion, the diameter of which is substantially less than the diameter of the body member, a disc of non-ferrous metal having a diameter less than the diameter of the body member but greater than the reduced end portion secured to said reduced end portion, and a hardened disc of ferrous metal, having a diameter substantially the same as and a thickness substantially less than the disc of non-ferrous metal, secured to said disc of non-ferrous metal and roughened on its outer surface.

2,572,614
MATERNITY GARMENT
Arlene J. Greendale, Chicago, Ill.
Application October 9, 1948, Serial No. 53,629
1 Claim. (Cl. 2—76)



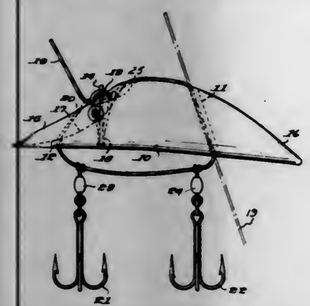
A garment including a skirt and bodice joined by a waist seam terminating at either side of the medial front area so as to leave unsecured waist edges in said area, said waist edges having a plurality of oppositely disposed slits perpendicular to said edges, said edges and slits defining in said front area a plurality of oppositely disposed flaps, a hem in the waist edge of each flap, means reinforcing the flaps along the edges of the slits, and a draw string laced through all of said hems.

2,572,615
SAFETY DEVICE FOR BATHTUBS
Knut L. Hansen, Antioch, Calif.
Application October 19, 1949, Serial No. 122,269
1 Claim. (Cl. 4—185)



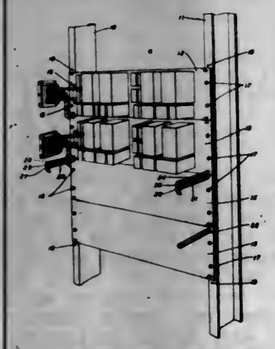
In a device of the kind described, a line support, a flexible line having its upper end fixedly attached to said support, a hand grip attached to the lower end of said line for holding the line tense, a clamp body having an opening therethrough for said line, said clamp body being freely slidable on said line, an auxiliary line having its upper end fixedly attached to said support, said body having an opening through which said auxiliary line passes, a hand grip fixed beneath said body for moving the body along said lines, the opening in the body being laterally elongated to form a slot, a gravity actuated cam grip pivotally mounted in said slot and normally gripping said auxiliary line, and a finger piece carried by said grip and projecting from the slot for manipulation to resist said grip from the auxiliary line.

2,572,616
FISH LURE HOOK UP
William A. Hansen, Seattle, Wash.
Application June 15, 1950, Serial No. 168,358
2 Claims. (Cl. 43—42.05)



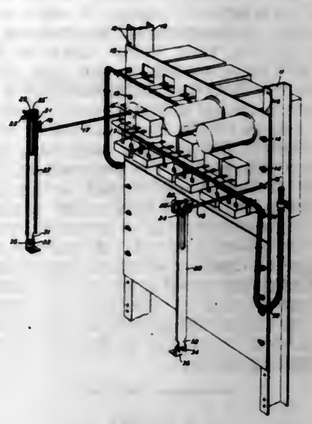
1. A fishing lure comprising a buoyant body having a vertically disposed line receiving opening through the rear portion and a similar vertically disposed opening through the forward end, and a spring clip positioned on the upper surface of the body and spaced rearwardly from the opening through the forward end of the body, said spring clip being positioned to receive a portion of a fishing line with the end of the line extended from the spring clip over the upper surface of the body through the opening in the rear portion of the body, forwardly under the body, upwardly through the opening through the head of the body and secured in the said spring clip, said line having fish hooks thereon positioned between the opening through the rear portion of the body and opening through the forward end of the body.

2,572,617
MAINTENANCE BRACKET
Paul T. Haury, Raritan Township, Middlesex County, and Anthony J. Wier, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1950, Serial No. 143,791
5 Claims. (Cl. 175—298)



1. Apparatus for removing a vertically mounted panel from a pair of supporting members and positioning it horizontally which comprises, a pair of guide rods inserted through apertures in each end of the panel and threadedly secured to each supporting member and extending outwardly therefrom, said rods having at their free ends, bent-over portions, a pair of supporting rods in threaded engagement with said supporting members, said supporting rods extending parallel with said guide rods and having their ends secured to the bent-over portion of said guide rods, a bracket secured to said panel, and a supporting rod in threaded engagement with one of said supporting members some distance below one of said first supporting rods and engaging said bracket when said panel is swung outwardly into a horizontal position.

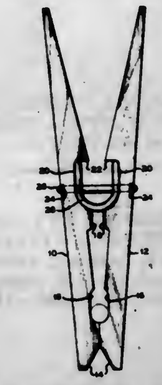
2,572,618
MAINTENANCE BRACKET
Paul T. Haury, Raritan Township, Middlesex County, and Anthony J. Wier, Cranford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1950, Serial No. 143,792
8 Claims. (Cl. 175—298)



1. Apparatus for removing a vertically mounted panel from a support and positioning it horizontally which comprises rods passing through apertures in each end of the panel to threadedly engage the support and extend outwardly therefrom, said rods having at their free ends upwardly extending vertical portions, the ends of which are threaded and extend outwardly in a horizontal plane at right angles to said rods, downwardly extending arms pivotally mounted on said threaded portions, and means on said arms for securing said arms to said supports for bracing said rods to permit the pivotal rotation of said panel thereon.

2,572,619
SPRING-ACTUATED CLOTHESPIN
Alf Otto Hellkvist, Stockholm, Sweden, assignor of thirty per cent to Nils Ericsson, Vagnharad, Sweden, and thirty per cent to Axel William Hauffenan, Stockholm, Sweden
Application February 29, 1948, Serial No. 12,182
In Sweden December 9, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires December 9, 1966
3 Claims. (Cl. 24—137)

3. A clothes pin comprising a pair of opposed gripping jaws terminating in actuating extremities, the said jaws being provided on their inner faces and substantially centrally of the length thereof with opposed complementary recesses, each recess forming offset portions at the extremities thereof, a U-shaped spring seated within said recesses and engaging the opposed walls thereof for urging the jaws into gripping position, the ends of said U-shaped spring extending toward said actuating extremities, retaining grooves on said jaw positioned opposite said spring, and a transversely disposed retaining ring having portions seated within said



grooves and surrounding said jaws and U-shaped spring for securing the clothes pin in assembled relation and actuating said spring to resiliently urge the jaws into gripping position, the retaining ring being so positioned that when the actuating extremities are compressed so as to open the gripping jaws the distance between the planes of the ends of the U-shaped spring and of the retaining ring is reduced.

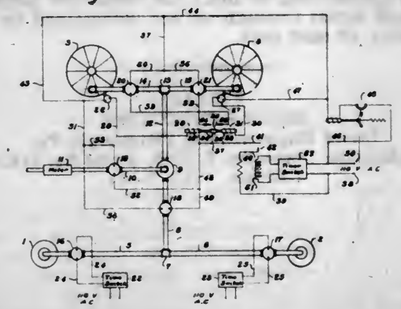
2,572,620
FLEXIBLE CHAIN CONSTRUCTION
William F. Hess, Providence, R. I.
Application April 14, 1947, Serial No. 741,184
2 Claims. (Cl. 59—80)



1. In an ornamental chain construction, a series of interlocked links each comprising a base having two opposite straight sides and two opposite arcuate sides, the arcuate sides having upstanding arcuate flanges, and the straight sides having upstanding rounded side portions in telescoping relation to the flanges of the adjacent link, segmental inner ends in the plane of the base and lock elements on their outer edges directed inwardly in and extending over locking relation to the arcuate flanges of the adjacent link.

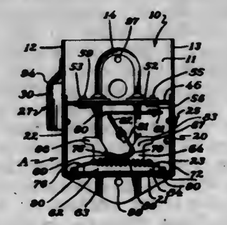
2,572,621
ELECTRICALLY CONTROLLED VALVE MEANS
Richard P. Hobson, Longview, Tex., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 4, 1948, Serial No. 63,489
4 Claims. (Cl. 137—68)

1. In a system for automatically, selectively flowing fluid from a well into a series of tanks individually connected with the well by means of flow pipes, electrically operated valve means in each of the pipes for controlling flow of fluid therein, a first electrical circuit including a current source connected with the valve means for applying energizing current thereto, relay means provided in the first circuit for selectively controlling the application of electrical current to the valve means, switch means provided in each



tank and responsive to changes in fluid level therein, a second electrical circuit for actuating the relay means and connected with the switch means in a manner so that the valve means controlling the flow of fluid into one of the tanks will be closed when the fluid level in that tank reaches a selected point, and circuit interrupting means connected in the second circuit for interrupting the application of energizing current to the valve means when all of the tanks are full.

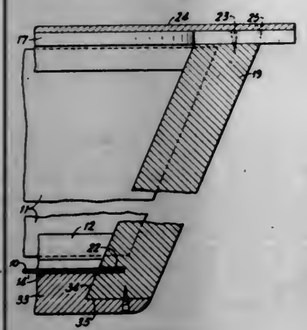
2,572,622
SNAP SWITCH
William H. Hollinshead, St. Paul, Minn.
Application November 4, 1948, Serial No. 58,261
1 Claim. (Cl. 200—68)



A snap switch including a support having a base and a pair of substantially parallel side plates, each of said side plates being divided to form two spaced arms, the arms of one side plate being opposed to the arms on the other side plate and forming two pairs of opposed spaced arms, each pair of arms having a notch on their inner surface directed toward the other pair of arms and at least one arm of each pair of arms having a pair of spaced ears on its outer surface, a yoke shaped lever including spaced sides extending outwardly of said side plates and being connected along one end thereof, said sides having inwardly extending projections engageable in the notches of one pair of arms, a second lever extending between said side plates and including outwardly directed projections engageable with the notches of the other pair of arms, said second lever having a center slot therein, a spring secured to the connecting member of said first lever and extending

through the slot of said second lever and connected to said second lever, means for pivoting one of said levers beyond alignment with the other of said levers, said spring acting to pivot the other of said levers as the pivoted lever moves past aligned position, an angularly extending arm on the other of said levers, and circuit closing means positioned for actuation by said angularly extending arm, portions of said levers abutting said spaced ears to limit the respective pivoting of said levers through an arc determined by the spacing of said ears.

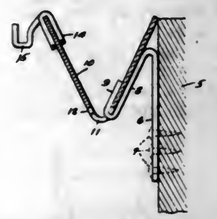
2,572,623
BOAT STRUCTURE
David Hoppenstand, Pittsburgh, Pa.
Application December 5, 1946, Serial No. 714,346
1 Claim. (Cl. 9—6)



In a boat structure, the combination of a pair of chines and a pair of gunwales each in spaced relation and converging toward their bow ends, a one-piece stem the opposite ends to which the respective ends of the converging chines and gunwales are secured, a one-piece bottom sheet shaped to fit between the two chines and attached along its longitudinal edges to the said chines and to said stem, a pair of side sheets, one of which fits between each one of the chines and the adjacent gunwale and is attached to the corresponding chine and gunwale, a keel member extending the full length of the boat from front to rear and secured to the underside of the bottom sheet, and the front end of the keel member having formed therein an upwardly open angular seat in which the lower portion of the stem fits and is securely fixed, the rear wall of said seat providing a shoulder which supports the stem from its rear and the bottom of said seat supporting the stem from below and an angular face on each chine providing an extension of said shoulder to engage and support the stem from its rear.

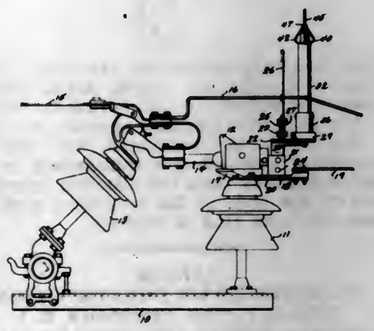
2,572,624
SANITARY KNIFE RACK
Killis W. Jeter, Sr., and Vivian A. Dake Shreffler, Barnsdall, Okla.
Application April 14, 1950, Serial No. 155,939
1 Claim. (Cl. 211—87)

A knife rack comprising brackets adapted to be secured to a supporting surface, each bracket embodying a forwardly and downwardly extended end portion with its extremity extended rearwardly and upwardly in spaced relation with the end portion of the arm providing a space therebetween, a trough-shaped body portion having a knife-receiving slot extending longitudinally through the center of the trough, the extremities of said brackets adapted to extend through the



slot the spaces of the brackets accommodating one edge of the body portion, removably securing the body portion to the brackets.

2,572,625
ARC EXTINGUISHING ATTACHMENT FOR AIR-BREAK SWITCHES
Tomlinson F. Johnson, Atlanta, Ga.
Application March 23, 1950, Serial No. 151,388
6 Claims. (Cl. 200—146)

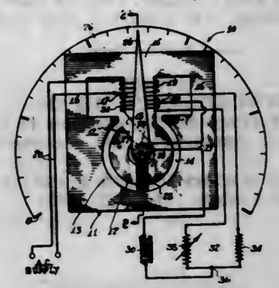


1. An arc extinguishing attachment for an air-break switch having a vertically swinging blade and a pair of parallel arcing horns, comprising a vertically movable interrupter tube of insulating material mounted on the stationary contact and having a metal cap member at its upper end; and a stationary arcing conductor rod electrically connected to the stationary switch contact and supported within the tube with its upper end normally in contact with said metal cap; the movable arcing horns being engageable with said cap as the switch blade is raised to its open position to lift the tube and start an arc between the cap and the arcing conductor rod, whereby gas pressure created by the arc will force the tube upwardly to elongate and extinguish the arc.

2,572,626
DYNAMOMETER SYSTEM
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application October 23, 1947, Serial No. 781,722
9 Claims. (Cl. 318—25)

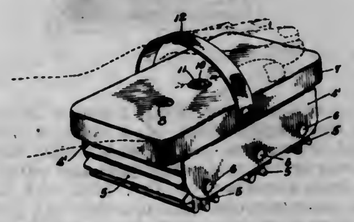
3. In a dynamometer-type indicator system including a source of alternating current: the combination of a stationary primary coil connected to said source; a single moving coil in the field of said primary coil and having a varying inductive coupling with said primary coil as the former is moved, a closed circuit including

said moving coil and an inductive reactance distinct from that of said moving coil, said inductive reactance being adapted to cause the current in said circuit resulting from the voltage induced in said moving coil to lag said voltage whereby said current reacts efficiently with the flux of said primary coil to subject the moving



coil to an actuating torque; an inductive coupling between said source and said circuit to produce in the latter an A. C. voltage substantially 180° out of phase with the A. C. voltage induced in said moving coil; and a variable voltage divider in said circuit for varying said opposing voltages relative to each other.

2,572,627
HAND MASSAGING DEVICE
Lawrence C. Kelly, Alhambra, Calif.
Application February 13, 1950, Serial No. 143,866
1 Claim. (Cl. 128—57)



A hand massaging device including a channeled base member having its opposite sides turned down, a plurality of parallel massaging rollers mounted between said opposite sides and extending below the lower edges of said opposite sides to engage the human body, a handle pivotally mounted on said channeled base member and turnable to different angular positions relative to said channeled base member, to position said parallel massaging rollers at different angles relative to the handle and the human hand on said handle, a spring-loaded friction element in said handle, and receiving seats in said channeled base member around the pivotal axis of said handle, whereby to frictionally hold said handle in different positions of adjustment.

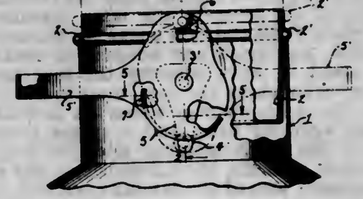
2,572,628
WAVE-GUIDE TRANSMISSION SYSTEM
Winston E. Kock, Middletown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1948, Serial No. 20,800
4 Claims. (Cl. 250—33.63)

3. A branched T wave guide with one branch movable along another at the junction, combs mounted on the branch members at the junction and passing through each other as the one branch moves relative to the other, each comb consisting of conducting teeth of such dimensions as to constitute virtually a conducting surface for directing wave energy into or out of one branch from or into the other, the ends of the teeth approaching but not touching the opposite guide wall, and means located in transverse rela-



tion to a branch behind the respective comb for counteracting leakage of wave energy past the comb in the direction different from that of the desired wave propagation comprising a row of substantially quarter wavelength metal pins aligned with the teeth of the respective comb and situated substantially a half wavelength behind said comb, the wavelength mentioned being in each case referred to the operating frequency.

2,572,629
CONTAINER COVER
Herman F. Kolell, Milwaukee, Wis., assignor of one-half to Linda I. Schmidt, Milwaukee, Wis.
Application October 3, 1947, Serial No. 777,793
1 Claim. (Cl. 220—55)

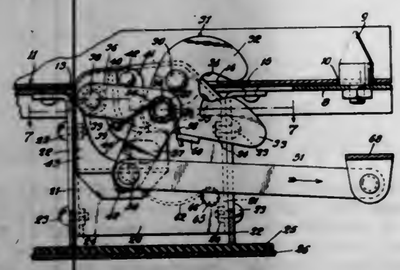


In a container having an entrance neck and a cover slidable in the neck, said cover having an annular outstanding bead adapted to fit against the upper edge of the neck when the cover is inserted in the neck; a combined latch and lifter for the cover comprising a swinging U-shaped yieldable bail pivoted to the neck, a pair of oppositely extending wings formed on each terminal of the bail on opposite sides of the pivotal point of the bail, a cover bead engaging member on one wing of each pair of wings, said members being adapted to engage the upper surface of the bead when the bail is swung down on one side of the neck, inwardly directed arcuate cam flanges formed on the other wings of the pair of wings adapted to engage the lower surface of the bead when the bail is swung on the other side of the neck, laterally projecting bail spreader strips on the opposite sides of the neck, the inner edges of said cam flanges having wedge faces at their opposite ends for engagement with the spreader strips when the bail is swung in a direction to move the cam flanges toward the cover bead, whereby to spread the bail laterally and move the cover bead engaging members laterally off of the cover bead.

2,572,630
LATCH MECHANISM

Walter H. Krause, Chicago, Ill., assignor, by mesne assignments, to Chicago Forging and Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application March 4, 1946, Serial No. 651,859
3 Claims. (Cl. 292—216)

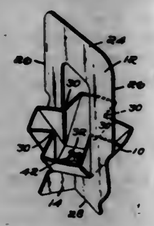


1. In a latch assembly adapted to engage and secure a keeper, a base on which said latch assembly is positioned, a latch member pivoted on said base, said latch member having a latch projection adapted, when the latch member is in securing position, to overlie a keeper, and means for rotating said latch member into and out of keeper-securing position including a lever pivoted to the latch member at a point remote from the pivotal connection of the latch member to the base, a curved cam track on the base, a connector on the lever, remote from the axis of the lever, positioned and adapted to ride along the cam track, an actuating member pivoted to the lever at a point remote from the pivotal connection of the lever to the latch member and also remote from the cam engaging connector on the lever, positioned and adapted to rotate the lever about its axis, whereby the movement of the connector along the cam track is adapted to rotate the latch member about its pivotal connection with the base, and a spring extending between the latch member and the base and adapted to urge the latch member at one end of its excursion toward the latching position and at the other end of its excursion toward the unlatched position.

2,572,631
NOVELTY BASKET

Maurice Kurhan, Brookline, Mass.

Application September 11, 1947, Serial No. 773,435
3 Claims. (Cl. 229—3)

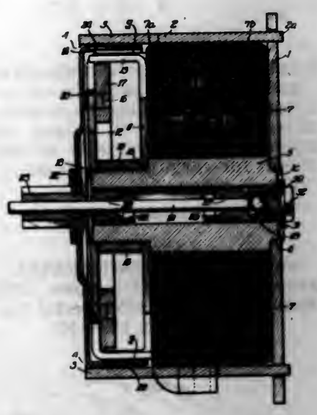


2. A basket comprising an upright frame member having an opening therethrough, an upright receptacle removably received in the opening of the frame, and a base member removably engaging the bottom of the frame, said parts being formed of sheet material, the receptacle having infolded recesses in its sides receiving the side portions of the frame, the receptacle having a keyway in its bottom and the bottom of the frame having a key member engaged in said keyway, the bottom of the frame having a slot extending downwardly into its key member and receiving the base member, and the base member having a bottom slot receiving said frame bottom.

2,572,632
SYNCHRONOUS MOTOR

Fred Kurz, Springfield, Ill., assignor to Sangamo Electric Co., Springfield, Ill., a corporation of Illinois

Application January 26, 1948, Serial No. 4,401
25 Claims. (Cl. 172—278)



1. In a self-starting single phase synchronous motor, the combination of a core, a winding mounted thereon, an outer stator ring mounted on the rear end of said core, inner and outer front stator disks mounted on the front end of said core, an outer circular ring of pole teeth projecting from said outer stator ring, an inner circular ring of pole teeth projecting alternately from said inner and outer stator disks, said outer and inner rings of pole teeth defining a cylindrical air gap therebetween, lag means mounted on said outer front stator disk in spaced relation from said inner front stator disk for creating a revolving field component in said gap, and a rotor comprising a hysteresis cylinder portion revolving in said cylindrical air gap.

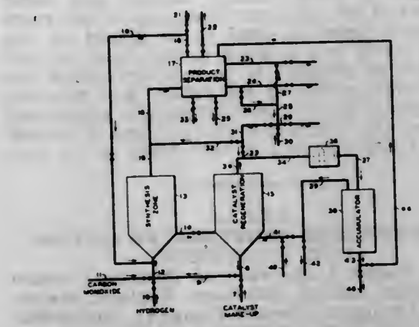
2,572,633
PREVENTION OF SOLID DEPOSITS IN FISCHER-TROPSCH PLANT LINES

William C. Lanning, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application September 10, 1948, Serial No. 48,718
8 Claims. (Cl. 260—449.6)

7. An improved process for continuously hydrogenating carbon monoxide in the presence of a catalyst to produce hydrocarbons and oxygen-containing compounds which comprises introducing hydrogen and carbon monoxide in a hydrogen to carbon monoxide mol ratio within the limits of 1.7:1 to 2.3:1 to the lower portion of a synthesis zone containing an iron catalyst having a mesh

size within the limits of 80 and 400, at a space velocity within the limits of 1500 to 3500 standard gas volumes per catalyst volume per hour, at a temperature within the limits of 560 to 620° F., and at a pressure within the limits of 5 to 30 atmospheres; passing effluent from said synthesis zone to a product separation means and therein separating said effluent into selected product fractions, wax product accumulating on the catalyst surface during said hydrogenation whereby said catalyst becomes at least partially spent, passing partially spent catalyst from said synthesis zone to a catalyst regeneration zone, in said regeneration zone passing hydrogen in contact with the partially spent catalyst at a temperature within the limits of 600 to 900° F., whereby said wax is removed from the catalyst surface and passed in a finely divided state of dispersion from the regeneration zone in the regeneration effluent gas, admixing with said re-



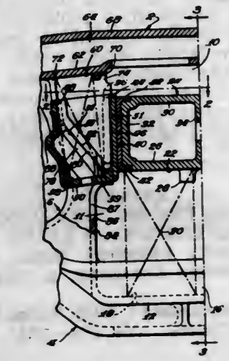
generation gas a normally liquid selected product fraction which is at least partially vaporized upon being so admixed, when the resulting admixture is passed through the lines down stream from the zone of said regeneration cooling said admixture to a temperature at which a vaporized portion of said selected product fraction condenses whereby a solution of said selected product fraction and said wax product is formed, passing the cooled admixture to a separating means wherein hydrogen and a wax-containing fraction are separated, recycling at least part of said hydrogen to the catalyst regeneration zone, passing said wax-containing fraction to a wax separation means and therein separating the product fraction from the wax, recycling regenerated catalyst from said regeneration zone to said synthesis zone, and separately recovering wax and said selected product fraction from said wax separation means.

2,572,634
SNUBBED BOLSTER TRUCK

Leo A. Lehrman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application March 5, 1948, Serial No. 13,171
10 Claims. (Cl. 105—197)

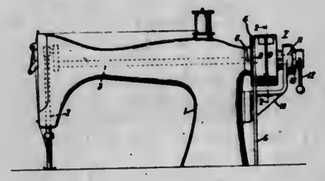
9. A railway car truck comprising a frame, a bolster spring-supported therefrom, spaced coplanar wedge surfaces on the frame sloping toward the bolster, a shoe extending between said surfaces and in wedge engagement therewith and in frictional engagement with the bolster, and a spring sloping downwardly toward the bolster, the upper end of said spring bearing against the frame and the lower end of said spring bearing against said shoe, the engagement between said shoe and surfaces occurring in a plane containing the axis of said spring and extending transversely of said frame.



2,572,635
SEWING MACHINE

George C. Lennox, Salem, Mass., assignor to General Electric Company, a corporation of New York

Application June 7, 1947, Serial No. 753,303
3 Claims. (Cl. 112—219)

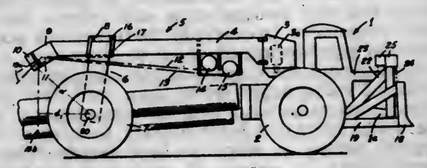


1. In combination with a sewing machine mechanism including a rotating shaft and a needle reciprocating shaft actuated thereby, a magnetic needle positioning device comprising a pair of juxtaposed cooperating disk members including permanent magnets recessed across the diameter of said members, one of said disk members being fixedly attached to said rotating shaft, the other of said disk members being manually adjustable to a position determining the rest position of said rotating shaft.

2,572,636
SELF-PROPELLED LOGGING ARCH

Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill., a corporation of California

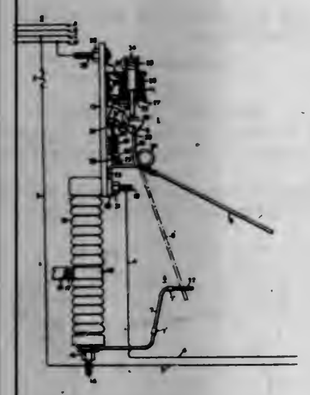
Application January 25, 1950, Serial No. 140,523
4 Claims. (Cl. 214—65.3)



1. A self-propelled logging arch comprising a prime mover including an engine and drive

wheels, a trailing unit attached to the prime mover in steerable and vertically rigid relation, the trailing unit including an overhead longitudinal main beam, fairlead rollers at the rear end thereof, an inverted U-shaped rear wheel structure adjustably located at selective positions along the length of said beam, winch units intermediate the length of the beam, log hoisting cables controlled by said winch units and reeved through said rollers for suspending a load of logs under the trailing unit to be carried therewith.

2,572,637
ELECTRICAL PROTECTIVE DEVICE FOR DISTRIBUTION LINES
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 1, 1949, Serial No. 113,650
3 Claims. (Cl. 175—294)



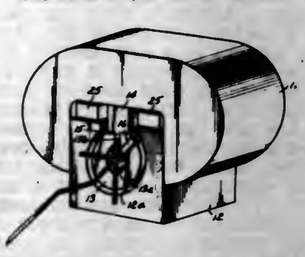
1. A protective device for a transmission system including a distribution line supplied from a phase wire and a neutral wire of a transmission line comprising a disconnect device connected between said phase wire and one wire of said distribution line and responsive to current therein in excess of a first predetermined value to disconnect said two lines, a switch connected between said one wire and the other wire of said distribution line having a fixed contact connected to said one wire and a contact arm connected to said other wire and movable from a latched position into engagement with said fixed contact, said arm being biased towards engagement with said fixed contact, a latch mechanism for retaining said contact arm in open position including a thermostatic release device electrically connected to said contact arm, an electromagnetic device for locking said latch mechanism in said latched position including a coil connected between the thermostat of said release device and said neutral wire, said release device being responsive to currents therethrough above a second predetermined value to allow said arm to engage said fixed contact, said second predetermined value being lower than said first predetermined value and said electromagnetic device being operative more quickly than said disconnect device in response to currents flowing therethrough in excess of said first predetermined value to retain said arm in said latched position.

2,572,638
EYE SHIELD
Marie Loos, Fort Wayne, Ind.
Application October 2, 1950, Serial No. 187,897
3 Claims. (Cl. 128—163)



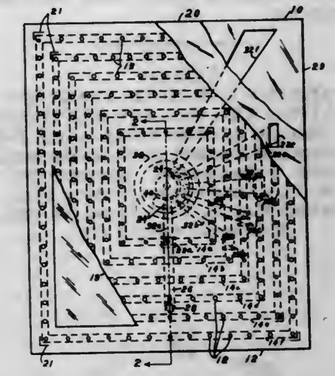
1. An eye shield comprising a flexible multiple ply pad consisting of an outer sheet of a relatively closely woven fabric which is relatively impervious to sun rays and moisture and is heat absorptive, an inner sheet of a relatively loosely woven tufted fabric, said inner sheet being porous to permit medicament or water which has been applied to said sheet to travel therethrough to the eyelid, means securing the fabric sheets together into contiguous engagement with one another, said shield having an upper convex contour and a lower concave contour and being rounded at its respective sides, said shield when moistened being adapted to be placed on the closed eyelid and conform to the shape thereof and further adapted to be confined within the bony conformation of the orbital area whereby the edges of the pad lie substantially within and adjacent the outline of the orbital area to thereby prevent dislodgement of the shield by air currents.

2,572,639
TEMPERATURE COMPENSATED MOVING COIL INSTRUMENT
Henry Joseph Lovegrove and Maurice Graham McBride, Enfield, Middlesex, England, assignors to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application January 8, 1945, Serial No. 571,872
In Great Britain June 26, 1943
3 Claims. (Cl. 171—95)



1. A moving coil electric measuring instrument comprising a permanent magnet system, an outer pole piece magnetically joined with one magnetic pole of said permanent magnet system, an inner pole piece magnetically joined with another magnetic pole of said permanent magnet system, said outer pole piece having a longitudinal opening extending therethrough, said inner pole piece comprising an annular hollow core disposed in spaced relation in said longitudinal opening to define an arcuate magnetic gap therebetween, a pivotally mounted moving coil having one side passing through said arcuate magnetic gap and the other side passing through the longitudinal hole in said hollow core, said hollow core comprising a longitudinal slot to permit the latter side of said coil to be inserted into the longitudinal hole in said core, a block of magnetic material joined to said permanent magnet system and comprising a tongue fitting into the longitudinal slot in said hollow core and extending substantially the entire axial length of said hollow core, and a temperature compensating insert composed of thermally responsive magnetic alloy interposed between said permanent magnet system and said outer pole piece so as to compensate the instrument for temperature changes.

2,572,640
VACUUM FILM HOLDER
Irving S. Lovegrove, Providence, R. I.
Application August 18, 1948, Serial No. 44,932
3 Claims. (Cl. 248—362)



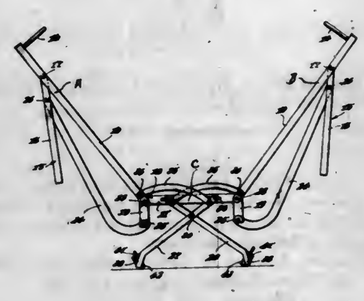
1. A vacuum holder for sheet material comprising a front plate and a back plate with a plurality of nested channels between said plates having adjacent entrance openings arranged to terminate in a sequence corresponding to said nested channels, means communicating said channels with the surface of the front plate, a vacuum conduit, means including a movable member having a cavity communicating in all positions with said conduit and selectively positionable over one or more of said openings to successively communicate the inner channel opening and additional openings progressively outwardly therefrom as the position of the member is moved.

2,572,641
WOUND DRESSING
Charles Manley, Shamokin, Pa.
Application March 10, 1947, Serial No. 733,556
4 Claims. (Cl. 128—156)



1. A wound dressing comprising, in combination, a layer of paper, a plurality of layers of wax of uniform thickness attached to the surfaces of said paper, said wax having a melting point below body or blood temperature, a plurality of layers of gauze, said waxed paper being folded around said layers of gauze so as to enclose said layers, and a strip of adhesive backing attached to the folded ends of said waxed paper and providing a support for said paper and gauze.

2,572,642
FOLDABLE BED FRAME
Henry Margiloff, Laureiton, N. Y., assignor to The Englander Company, Inc., Chicago, Ill., a corporation of Delaware
Application March 2, 1946, Serial No. 651,490
6 Claims. (Cl. 5—152)



4. In a collapsible bed frame, similar end sections each including opposite side rails, an end rail connected with the side rails at the outer end thereof and a leg member pivoted to each of the side rails, an intermediate section including opposite side rails pivotally connected at their opposite ends to the inner ends of the side rails of the end sections and having downwardly directed terminals at the opposite ends thereof, links pivoted to the lower ends of said terminals and at the outer ends to the leg members, cross-legs pivotally connected together intermediate their ends and having their upper ends connected with the side rails of the intermediate section for limited sliding movement thereof from a position supporting the intermediate section in aligned bed forming relation with the end sections to a collapsed relation with the intermediate section arranged at a relatively lower position and links pivotally connected to the cross-legs adjacent the upper ends thereof and to the side rails of the end sections adjacent their inner ends for effecting collapsing movement of the intermediate section by the upward swinging of the end sections from bed forming relation to a folded upwardly extending formation with the end sections supported by the intermediate section in spaced parallel relation and the leg members swung into adjacent relation with the side rails of the end sections.

2,572,643
CLOTHESPIN
Perry E. Mauli, Ridley Park, Pa.
Application November 18, 1949, Serial No. 128,215
3 Claims. (Cl. 24—81)

1. A clothes pin consisting of two parallel strips of resilient material imposed face to face and joined together midway between the ends thereof of forming endwise oppositely disposed spring clamping jaws having constantly partially open mouths, at least one of said strips having trans-

verse corrugations, and outwardly projecting lugs at both ends of both strips substantially at right



angles to said strips, the lugs of each pair coacting to function as a head and a pull.

2,572,644
ELECTRON DISCHARGE TUBE
James Dwyer McGee, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a British company
Application August 19, 1948, Serial No. 45,139
In Great Britain August 29, 1947
6 Claims. (Cl. 313—84)



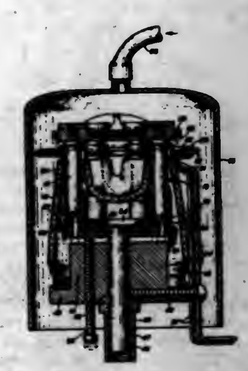
1. An electron discharge tube arrangement comprising an electron discharge tube having an electron gun, a target for electrons emitted by said gun, means for producing an electrostatic field with a radial component for decelerating the electrons as they approach said target, and means for producing a magnetic field divergent in the direction of motion of the electrons and in the region of said electrostatic field substantially to oppose the effect of the radial component of said decelerating electrostatic field on the movement of the electrons.

2,572,645
FLEXIBLE HOSE COUPLING
Walter Arthur Melsom, Wembley, England, assignor to Bowden (Engineers) Limited, London, England
Application July 12, 1947, Serial No. 760,664
In Great Britain June 3, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1966
6 Claims. (Cl. 285—84)



1. A flexible hose coupling component comprising a sleeve and an insert and a hose having tubular layers of rubber or like resilient material and intervening tubular reinforcing material, an external groove or recess in the hose, and a ring situated in said external groove or recess, said insert having at least one annular ridge under said ring and proud of the external surface of the insert within the hose, said sleeve being locally contracted as an internal bulge at one region only, this region being situate around the ring, to produce a sole clamping zone where by displacing the remaining rubber of the hose under the ring the reinforcing material is substantially bared thereof and is directly gripped between said ring and said ridge and to produce adjoining said clamping zone a sealing zone between the sleeve and insert situated on the side of the clamping zone nearer the open end of the coupling.

2,572,646
APPARATUS FOR HIGH-FREQUENCY HEATING AND SEALING FIXTURES
Paul R. Menzel, Queens Village, and John W. West, Jackson Heights, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1947, Serial No. 750,130
7 Claims. (Cl. 49—2)



1. A high frequency induction heating element comprising a metallic disc having an axial hole and a wide radial slot extending to the edge thereof, a short slot diametrically extending from the opposite edge of said disc, a plurality of equally spaced openings in said disc disposed in a circular boundary equidistant between the periphery and the axis of said disc and arcuate slots intermediate said spaced openings except intermediate the spaced openings on either side of said wide slot, the middle arcuate slot intersecting said short slot, and a continuous conductor attached to said disc along the periphery, said wide slot and said axial hole, whereby high frequency currents induced in said disc are constrained to follow a continuous double circuitous path along the outer and inner boundaries of said disc.

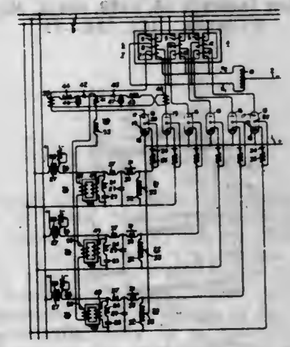
5. A sealing fixture comprising, a circular metallic block having a flanged edge and a central bore, a platform beyond said block having a standard slidably mounted in said bore, a plurality of tubular sleeves projecting from said platform in a circular boundary, and means for controlling the position of said platform and standard with respect to said block.

2,572,647
SELF-THREADING FASTENER
Frederick H. Merwin, Milford, Conn., assignor to Milford Rivet and Machine Company, Milford, Conn., a corporation of Connecticut
Application February 9, 1945, Serial No. 577,098
7 Claims. (Cl. 85—47)



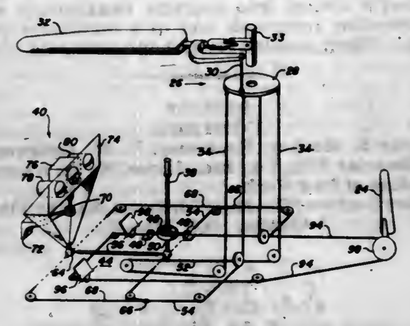
1. A tapping screw fastener comprising a threaded shank having a threaded, plural-part divided tapering tip, the parts of which have closely juxtaposed backing surfaces adapted to engage and back up each other, and have thread-profile leading edges and trailing edges, said parts being so located with respect to the axis of the shank that the trailing edges are closer to said axis than the leading edges so that the latter constitute cutting faces for cutting a screw thread.

2,572,648
ELECTRIC VALVE TRANSLATING SYSTEM
Albert H. Mittag, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 4, 1949, Serial No. 108,487
3 Claims. (Cl. 321—27)



1. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising two groups of electrically displaced phase windings and a plurality of electric discharge paths each associated with a different one of said phase windings and each including an anode and a control member, a plurality of excitation circuits connected to said control members for transmitting thereto periodic voltages of peaked wave form, no more than one of said excitation circuits being provided for every two of said control members, a controller for dividing the load equally between the groups of phase windings comprising a pair of differentially connected current windings one of which carries a portion of the current conducted by one group and the other of which carries a portion of the current conducted by the other group, said controller including an unsymmetrically saturable reactor for said excitation circuits adapted to be saturated in response to an unbalance of currents in said current windings to cause a shift in one direction of the periodic voltages of peaked wave form for the control of the currents in one group of phase windings to increase said currents, and to cause a shift in the other direction of the periodic voltages of peaked wave form for the control of the currents in said other group of phase windings to decrease said currents to thereby equalize the currents in the two groups.

2,572,649
BLIND FLYING INDICATOR FOR ROTARY WING AIRCRAFT
Constand A. Moeller, Orange, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Original application June 12, 1945, Serial No. 599,005, now Patent No. 2,443,192, dated June 15, 1948. Divided and this application May 8, 1948, Serial No. 25,965
8 Claims. (Cl. 244—17.11)

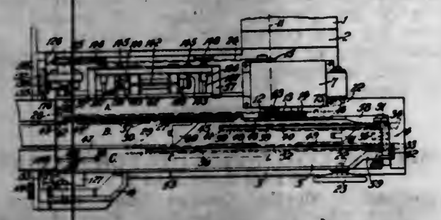


1. In a helicopter, in combination, a fuselage, a rotor mounted on said fuselage having blades mounted for flapping and pitch changing movements, cyclic pitch control means for said blades including a pilot operated control member, tiltable means movable with said control means, mounting means for said tiltable means providing for tilting of the latter in space with movements of said control means, and indicating means on said tiltable means including an indicating gyroscope having an artificial horizon and a simulation of the helicopter located in front of said artificial horizon for indicating to the pilot without reference to the real horizon the required manual operation of said control member to effect a desired flight of said helicopter.

2,572,650
APPARATUS FOR COLLECTING CIGARETTES FROM CIGARETTE-MAKING MACHINES
Desmond Walter Molins, London, England, assignor to Molins Machine Company Limited, London, England
Application June 10, 1946, Serial No. 675,715
In Great Britain March 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1965
1 Claim. (Cl. 226—5)

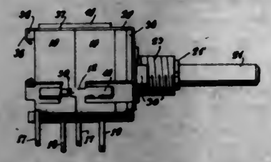
Apparatus for automatically collecting cigarettes as they issue from a cigarette making ma-

chine comprising a truck adapted to carry receptacles of oblong rectangular shape in plan side by side thereon and to move past a cigarette machine, mechanism for withdrawing a receptacle lengthwise from the truck onto a first conveyor system, a second conveyor system moving in the same direction as the first, pushing devices for displacing said receptacle transversely to its length while maintaining substantially the same orientation to bring it into line with said



second conveyor system, a third conveyor system moving in the opposite direction to the first and second conveyor systems, devices for displacing said receptacle transversely to its length while maintaining substantially the same orientation to bring it into line with said third conveyor system, said receptacle being carried by said third conveyor system into abutting relationship with a preceding receptacle and in a rectilinear path past a filling position toward and onto said truck.

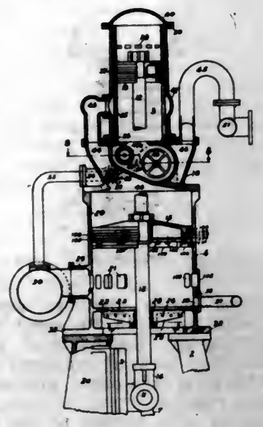
2,572,651
CONTROL
George J. Mucher, Rochester, N. H., assignor to Clarostat Mfg. Co., Inc., Dover, N. H., a corporation of New York
Application May 11, 1950, Serial No. 161,330
3 Claims. (Cl. 201—55)



1. In a control a clamping member for retaining a casing and cover therefor in assembled position, said clamping member including a body to bear against the outer face of the cover, laterally extending legs spaced from each other and integral with said body and foot portions integral with said legs adjacent the outer ends of the latter, said foot portions being engageable with that face of the casing which is opposite the face engaged by said cover.

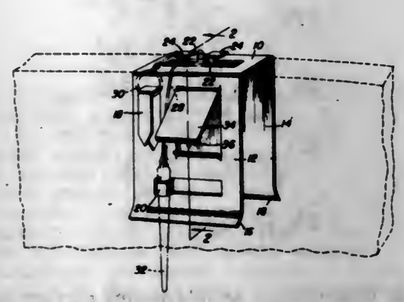
2,572,652
MULTIPLE EXPANSION STEAM ENGINE
Herman G. Mueller, Erie, Pa., assignor, by mesne assignments, to Skinner Engine Co., Pittsburgh, Pa., a corporation of Pennsylvania
Application February 21, 1947, Serial No. 730,114
20 Claims. (Cl. 121—102)

10. A multi-cylinder steeple compound engine comprising a high-pressure cylinder, an inner sleeve in said high-pressure cylinder spaced from the outer wall thereof having circumferentially disposed apertures therein, a low-pressure cylinder of the single-acting uniflow type disposed below said high-pressure cylinder, a cylinder head disposed between said high-pressure and said low-pressure cylinder having passages for admitting steam to said high-pressure cylinder, for exhausting steam from said high-pressure cylinder to said low-pressure cylinder, and an open passage connecting the chamber between said sleeve in



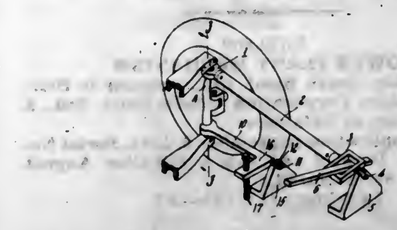
said high-pressure cylinder and the outer wall thereof and the top of said low-pressure cylinder, valves in said cylinder head for opening and closing said admission and exhaust passages in said cylinder head, and means for controlling said valves to control the steam events in said cylinders.

2,572,653
FISH STRINGER
Nelson O. W. Mulsow, Marlin, Tex.
Application January 25, 1949, Serial No. 72,688
5 Claims. (Cl. 224—7)



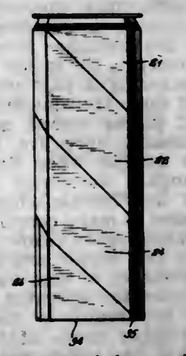
2. A fish stringer comprising a plate bent intermediate its ends to form a resilient U-shaped clamp having a web portion and depending leg portions, an ear struck outwardly from said inner leg portion and having a laterally offset downwardly extending finger paralleling said inner leg portion, said ear being adapted to receive the ringed end of a stringer, a lug struck upwardly from said web portion and having a laterally offset integral extension paralleling said web portion, said lug and extension providing a line winding cleat, a resilient loop struck from said inner leg portion for detachably receiving the spiked end of a fish stringer.

2,572,654
CAMBER ADJUSTING TOOL
Frederik Nielsen, Quincy, Mass.
Application January 31, 1947, Serial No. 725,529
2 Claims. (Cl. 81—15)



1. A mechanism of the class described, comprising a pair of elongated members each having a forked extremity, the branches of the fork extending substantially parallel to the length of its member and spaced to straddle the knuckle support of a knee action mechanism, the pair of members being spaced lengthwise of said support, and means for turning said members relatively about axes lengthwise thereof in opposite directions.

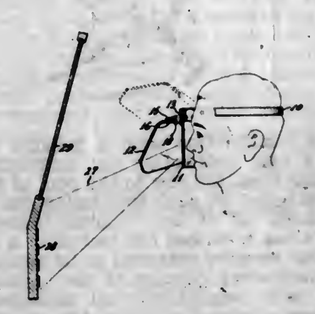
2,572,655
ONE-PIECE PAPER CONTAINER
Jesse Norden, Kew Gardens, N. Y.
Application April 19, 1950, Serial No. 156,827
4 Claims. (Cl. 229—16)



4. An open ended container substantially rectangular in cross section, constructed from a blank of paper or the like having pleats forming a multiply bottom from the central portion of the blank and multiply side walls formed from portions extending vertically and radially of the central portion, the free edges of the blank terminating substantially in a common plane at the open end of the container, the vertical corners of the container being bevelled and having a multiply thickness, the base of each corner, adjacent the bottom, being folded upon itself to present a tab which is inserted between said radially and vertically extending portions, and the plies of the bottom, side walls and corners, and the tab, being sealed together.

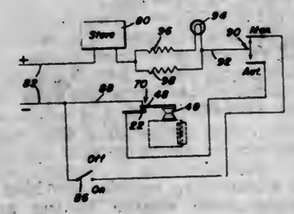
2,572,656
BLIND FLYING DEVICE
Mitchell W. Ortenburger, Los Angeles, Calif.
Application August 16, 1949, Serial No. 110,656
5 Claims. (Cl. 35—12)

3. A device to be worn by a pilot undergoing instrument training, comprising: support means adapted to be mounted to the head of the pilot; a light filter capable of passing light of one characteristic; means for fixedly mounting said filter to said support means to extend in front of the eyes of the pilot; said filter being of sufficient width and depth to cover the visual field of the pilot; a second filter capable of passing light of a second characteristic; means for mounting said second filter to said support means for angular movement relative to said first filter, said second filter being angu-



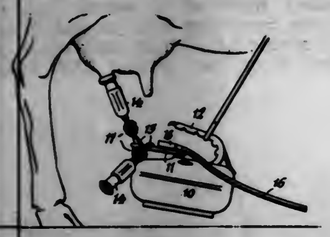
larly movable to a position in which light rays, emanating from objects lying below a predetermined level relative to the eyes of the pilot and disposed below the windows of the cockpit, pass through said first filter, and in which light rays emanating from objects above said level pass through both filters, whereby light rays passing through said second filter will not pass through said first filter, thereby blinding the pilot to light rays entering the cockpit through said windows.

2,572,657
HEAT CONTROL UNIT
Willie G. Pendleton, Sr., Naples, Italy
Application September 6, 1949, Serial No. 114,173
3 Claims. (Cl. 171—97)



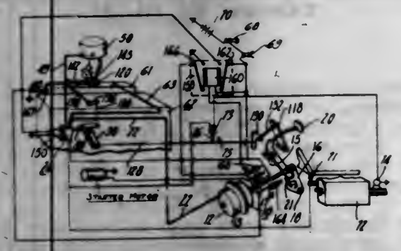
1. A thermally responsive operator comprising a receptacle forming an expandable fluid chamber, a pressure responsive piston in communication with said chamber, means communicating with said chamber which is manually operable for selectively regulating the volume of said chamber, and a switch operatively connected with said chamber adapted to be connected with a service circuit, an operating circuit including said switch, a pair of switches in said operating circuit to switch said first mentioned switch in said operating circuit and to manually open and close said operating circuit respectively.

2,572,658
AUTOMATIC TEAT CUP RELEASE DEVICE FOR MILKING MACHINES
Albert G. Perkins, Grand Island, N. Y.
Application February 16, 1948, Serial No. 8,667
25 Claims. (Cl. 119—14.08)



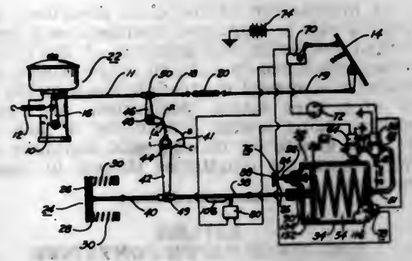
1. The combination with a milking machine having a teat connection for conducting milk by vacuum from the cow to the can, of a control unit interposed in said connection for causing the shutting off of the vacuum thereto when the cow's bag is milked out including a collapsible tubular member attached at its opposite ends in communicating relation to the opposing portions of said connection, vent passages to the atmosphere provided adjacent the opposite ends of such connection and the attaching ends of said collapsible member, and vacuum-responsive displaceable means disposed externally of and in governing relation to and movable coincidentally with said collapsible member for automatically regulating its collapse to a closed position when the flow of milk therethrough substantially ceases.

2,572,659
CLUTCH CONTROL MECHANISM
Edwin E. Prather, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 13, 1949, Serial No. 132,779
9 Claims. (Cl. 192—.075)



1. In an automotive vehicle provided with an internal combustion engine having an intake manifold, a friction clutch, and a manually operated pedal for operating the clutch; power means for operating the clutch including a pressure differential operated motor operably connected to the clutch, valve means for controlling the operation of the said motor including a three-way valve operable to effect a clutch disengaging operation of the motor and a clutch engaging operation thereof, fluid transmitting means interconnecting the manifold and valve, means venting the valve to the atmosphere, fluid transmitting means interconnecting the valve and motor, and means for operating the valve including a fluid motor and a spring, together with means for compressing said spring to vary its operation in the control of the fluid motor including a solenoid, and electrical means for controlling the operation of the solenoid including a relay, and switch means, actuated by the clutch pedal, for controlling the operation of the relay.

2,572,660
POWER PLANT MECHANISM
Earl R. Price, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 9, 1946, Serial No. 697,877. Divided and this application August 27, 1948, Serial No. 46,511
7 Claims. (Cl. 192—.07)

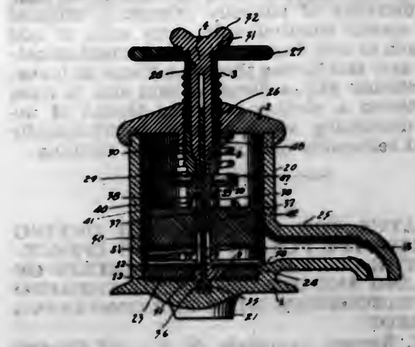


1. The combination with the accelerator, the friction clutch, and the engine controlling throttle of the power plant of an automotive vehicle, of a pressure differential operated motor, force transmitting means, interconnecting the accelerator and the throttle, force transmitting means interconnecting the motor and the clutch, stop means, including a part connected to the first mentioned force transmitting means and a part connected to the second mentioned force transmitting means, operative to prevent an opening of the throttle when the motor is energized to disengage the clutch and to control the opening of the throttle when the motor is being de-energized to make possible a re-engagement of the clutch, valve means for controlling the operation of said motor, and means for controlling the operation of said valve means including an accelerator operated switch operative when the accelerator is released and cooperating with other parts of the controlling means to operate the valve means to effect a clutch disengaging operation of the motor, and further including electrical means operative to insure the latter operation of the valve means despite an opening of the accelerator operated switch during the clutch disengaging operation of the motor.

2,572,661
VOLUME AND TEMPERATURE CONTROLLED FAUCET
Leronzo T. Reeves, Jr., Evanston, Ill.
Application October 4, 1946, Serial No. 701,140
5 Claims. (Cl. 277—64)

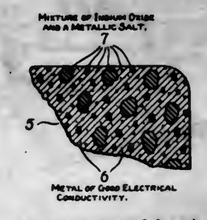
1. A mixing valve, comprising a casing having sides and a floor, at least two fluid inlets in the floor of said casing, a mixing valve seated on the floor of said casing for turning movement in a plane parallel to the floor of said casing, a washer integral with said valve and interposed between the same and said casing floor, a second washer integral with said valve and carried by the upper surface of said valve, at least two inlet apertures through said washers and valve, means for turning said valve to vary the relative amounts of

liquids admitted through said inlets and apertures, a volume control valve within said casing, and means for moving said volume control valve



into and out of sealing engagement with said second washer to control the volume of fluid passing said first valve.

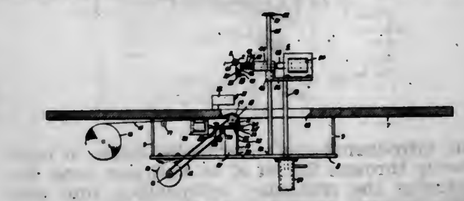
2,572,662
ELECTRICAL CONTACT
Linwood T. Richardson, Wauwatosa, and Merle R. Swinehart, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 12, 1945, Serial No. 604,600
4 Claims. (Cl. 75—22)



1. A pressure molded and heat sintered powder composition electrical contact consisting of a mixture of a quantity of precipitated silver of fibrous texture, and from about seven and one-half per cent to fifteen per cent by weight of the entire mass of indium oxide, said indium oxide being in the form of particles all of which will pass through a 100 mesh screen and the major portion of said particles being of a size greater than that which will pass through a 300 mesh screen, said particles of indium oxide being dispersed throughout the mass of silver which serves as a matrix therefor.

2,572,663
ATTACHMENT FOR CAPACITOR WINDING MACHINES
William H. Roberts, Cheshire, Mass., assignor to General Electric Company, a corporation of New York
Application September 15, 1949, Serial No. 115,940
1 Claim. (Cl. 216—25)

An automatic tape applicator attachment for a capacitor roll winding machine having a table with an opening therein and a winding mandrel above the table for winding a plurality of webs of paper and metal foil into a capacitor roll comprising a mounting plate connected to and supported by said table in a fixed horizontal position below said table, a support member having a vertical plane surface mounted on said mounting plate below said winding mandrel, friction means for moving a web of gummed tape to a vertical position adjacent said vertical plane surface of said support member, severing means to sever a vertically disposed portion of said gummed tape from said web, a wetting means positioned intermediate and in substantial vertical alignment with said vertical plane surface of said support member and said winding mandrel, vertical guide rods extending from said mounting plate vertically through the opening in said table, said guide rods being spaced from and positioned opposite said winding mandrel, said wetting means and said vertical plane surface; a rider member slidably connected to said guide rods for vertical movement thereon through said opening in said table to positions opposite said vertical plane surface, said wetting means and said mandrel; an applicator member slidably mounted on said rider for horizontal motion with respect thereto and with respect to said guide rods, said applicator member comprising a hollow housing a wall of which is a vertically disposed perforated surface, a spring

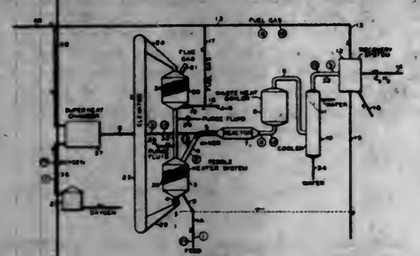


biased to slidably and horizontally move said applicator toward said support member when said rider member is opposite thereto whereby a portion of gummed tape vertically disposed adjacent said vertical plane surface is pressed between said perforated surface of said applicator and said vertical plane surface of said support member, a solenoid mounted on said rider member and connected to said applicator member to draw said applicator away from said support member against the biasing action of said spring, means for releasably withdrawing air from said hollow housing to create a suction through said perforated surface to cause a length of gummed tape to adhere thereto upon severing of said tape by said severing means and withdrawal of said applicator away from said support member by said solenoid and a double acting air cylinder connected to said rider member and adapted to move said rider member and a severed portion of gummed tape adhered to said applicator into engagement with and over said wetting means to a position opposite said mandrel for engagement of said tape with a capacitor rolled on said mandrel under the biasing action of said spring upon the de-energization of said solenoid.

2,572,664
MANUFACTURE OF ACETYLENE
Sam P. Robinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 29, 1947, Serial No. 794,365
3 Claims. (Cl. 260—679)

1. A process for producing acetylene comprising maintaining a downward moving bed of pebbles in a pebble heating zone, introducing a combustible mixture of a fuel gas with air into said pebble heating zone and therein burning said gas to supply heat for heating said pebbles, transferring the heated pebbles from said pebble heat-

ing zone to a normally gaseous hydrocarbon preheating zone and therein maintaining a downward flowing bed of heated pebbles, introducing a normally gaseous hydrocarbon into the hydrocarbon preheating zone, flowing the hydrocarbon through this preheating zone countercurrently to the downwardly flowing pebbles, withdrawing preheated normally gaseous hydrocarbon from said preheating zone at a temperature from 1700° to 2300° F., removing pebbles from this latter zone and transferring the removed pebbles to the pebble heating zone, introducing a combustible mixture of a fuel gas comprising at least 84% hydrogen with a stoichiometric deficiency of a commercial grade of oxygen for combustion of the hydrogen into a combustion zone and therein burning the hydrogen to produce steam in a superheated condi-



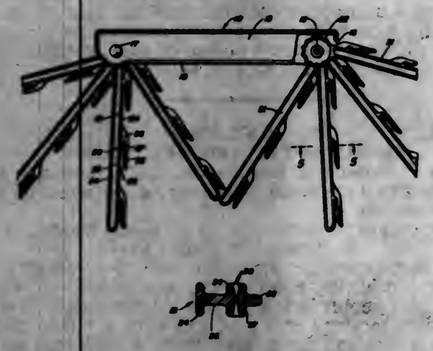
tion, introducing this superheated steam at high velocity through the jet of an aspirator zone, introducing the preheated hydrocarbon into said aspirator zone by the aspirating action of said steam passing through said jet, proportioning the steam and preheated hydrocarbon entering said aspirator zone to heat the hydrocarbon to a temperature above about 2450° F. for less than 0.02 second, rapidly quenching this mixture to below reaction temperature to stop further reaction and thereby produce a gaseous mixture containing at least 10% acetylene and a maximum of about 5% oxides of carbon, separating the acetylene from this quenched mixture, separating a stream of at least 84% hydrogen from said mixture and recycling the separated hydrogen to said combustion zone without any removal of oxides of carbon therefrom.

2,572,665

FOLDING CLOTHES RACK

Arthur J. Rechow, Pittsford, N. Y.

Application January 13, 1948, Serial No. 2,007
3 Claims. (Cl. 211—96)



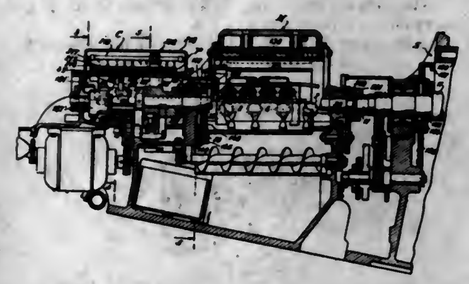
1. In a clothes rack, a supporting frame having thereon a vertical pivot pin, a plurality of arms pivotally mounted in superposed arrangement on said pin, each of said arms having a transverse cross section of I-bar shape arranged with its web horizontal and its flanges vertical, and a plurality of laterally extending, integral fingers spaced longitudinally along each of said arms, each of said fingers extending longitudinally of its arm and having thereon a flange in juxtaposed relation with a flange of said arm to form therebetween a clothes receiving throat of inwardly decreasing width adapted to frictionally grip and releasably hold an article of clothing.

2,572,666

APPARATUS FOR COOLING AND DRYING STEREOTYPE PLATES AND FOR EFFECTING THE CONTROLLED APPLICATION OF COOLING AND DRYING FLUIDS THERETO IN SYNCHRONISM WITH THE CONVEYING THEREOF

Oscar C. Roosen, Scarsdale, N. Y., and Charles L. Ricards, South Plainfield, and Paul L. Tollison, North Plainfield, N. J., assignors to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Original application September 10, 1946, Serial No. 695,964. Divided and this application October 1, 1948, Serial No. 52,332
7 Claims. (Cl. 134—95)



4. In a machine of the character described, a plate cooling and drying section comprising a plurality of upper water ducts arranged in arch-shaped formation and having downwardly directed outlets, a plurality of lower arch-shaped water ducts beneath and spaced from said upper ducts and having upwardly directed outlets, a lower air duct having upwardly directed outlets extending longitudinally along the crest of said lower arched water ducts, an arched upper air duct adjacent one end of said water ducts and having openings directed downwardly and inwardly of said section, means for conveying a substantially semi-cylindrical stereotype plate into said section between said upper and lower water ducts and out of said section at the end occupied by said arched upper air duct, and means for supplying water and air respectively to said water and air ducts.

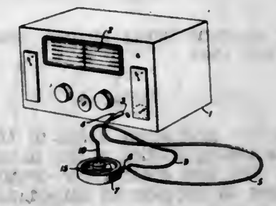
2,572,667

METHOD OF PRODUCING QUARTZ CRYSTALS

David M. Ruggles, Mount Tabor, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 30, 1948, Serial No. 68,265
2 Claims. (Cl. 175—183)

1. The method of determining the presence of twinning in crystal wafers prior to their being cut into crystal blanks which comprises rubbing a probe electrode successively over portions of one major surface of the crystal to produce localized piezoelectric oscillations in the crystal surface directly beneath the probe electrode, said



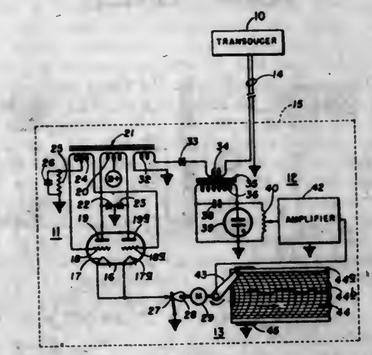
electrode being of smaller area than said surface, and comparing the frequencies of said oscillations to ascertain the presence of frequency inconsistencies over the surface of the crystal indicative of twinning.

2,572,668

ECHO DISTANCE MEASURING CIRCUIT

James L. Russell, Sun Valley, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application February 3, 1950, Serial No. 142,333
2 Claims. (Cl. 177—386)



1. An echo distance measuring system comprising: a transducer and a transmission line connected thereto at one end, the input impedance of the other end of said transmission line being substantially non-reactive at a signal frequency; a transmitter; a receiver having bridged across its input end a parallel oscillatory circuit tuned to said signal frequency and shunted by a discharge device normally having a high impedance but breaking down to a low impedance in response to a potential above a critical value intermediate the potentials developed in said transducer in response to received echoes and the potentials produced by said transmitter, respectively; said transmitter comprising a transformer having primary and secondary windings, electronic tube means having a cathode and anode, a source of anode potential for producing a space current discharge through said tube, means connecting said primary winding in the space current path of said tube whereby said winding is loaded in response to flow of space current and unloaded in response to cessation of space current flow, and keying means for periodically initiating and stopping said space current; a condenser of size to resonate with said secondary winding at said signal frequency; and means

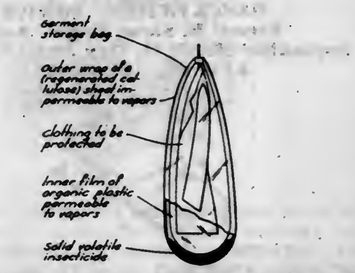
connecting said secondary winding, said condenser and said receiving oscillatory circuit in series with each other and with said other end of said transmission line, whereby said secondary winding, said condenser, said receiving oscillatory circuit and said transmission line constitute a single current path.

2,572,669

MEANS FOR CONTROLLING THE DISSIPATION OF NORMALLY SOLID, VOLATILE ORGANIC INSECTICIDES

Theodore W. Sarge and Hugo L. Schaefer, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

Application October 20, 1948, Serial No. 55,642
1 Claim. (Cl. 21—108)



As an article of manufacture, a double-wall clothes bag, the outer wall being of regenerated cellulose sheet, the inner walls being of an organic thermoplastic film whereof the thermoplastic is selected from the group consisting of polyethylene, rubber hydrochloride, polyvinyl chloride, vinyl chloride-vinyl acetate copolymer, vinylidene chloride-vinyl chloride copolymer, vinylidene chloride-ethyl acrylate copolymer, ethyl idene chloride-ethyl acrylate copolymer, ethyl cellulose and cellulose acetate, and having a body of a normally solid, volatile organic insecticide selected from the group consisting of paradichlorobenzene, carbon tetrabromide and naphthalene between said inner and outer walls.

2,572,670

PLATFORM INSERT FOR SHOES

Arthur D. Schwartz, New York, N. Y.

Application December 29, 1949, Serial No. 135,585
1 Claim. (Cl. 36—28)



A platform insert for shoes formed from an upper ply of relatively thin flexible material of equal thickness throughout and a relatively thicker under pad and a lower ply of equal thickness throughout, said platform comprising a sole section, a shank section and a heel section, said upper and lower plies laminated together with the under pad therebetween at the sole section, said

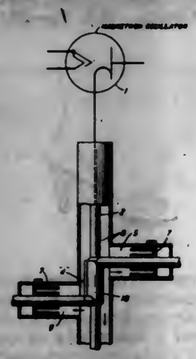
under pad being thin at the front of the platform and increasing toward the shank section in thickness to a thicker section adjacent the front of the sole section, said under pad being thin at the shank section and increasing in thickness toward the sole section to a thicker section whereby the pad is bevelled upwardly and rearwardly at the front thereof and downwardly and forwardly at the rear thereof, the thicker section of said under pad between the bevels being equal in thickness, the sole section being formed from the upper ply under pad and lower ply and the shank and heel sections formed from the upper and lower plies, a coating of pressure sensitive material covering the platform insert throughout the under ply and a removable sheet covering the coating to protect the tacky pressure sensitive coating.

2,572,671
DANCE GLIDING DEVICE
Everett R. Shaw, Tempe, Ariz.
Application March 21, 1949, Serial No. 82,550
5 Claims. (Cl. 36—8.3)



3. A gliding element for shoes used for dancing, comprising a body having a smooth floor contacting flat surface of low frictional characteristics extending under the shank of the shoe and completely over the bottom face of the heel portion of the shoe, said body terminating at its forward end substantially at the rear end of the fore-sole portion of the shoe, the shank and heel portions of said body providing a sliding surface extending slightly below the level of the tread area of the fore-sole portion of the shoe and terminating substantially at the rear end thereof.

2,572,672
IMPEDANCE TRANSFORMING NETWORK
Phillip H. Smith, Fair Haven, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1947, Serial No. 746,338
2 Claims. (Cl. 178—44)



1. An impedance transformer for matching a wide range of load impedances to the characteristic impedance Ze of a main coaxial line over a relatively narrow range of frequencies comprising a network formed from a pair of stub sections of a variable length adjustable to a maximum length of

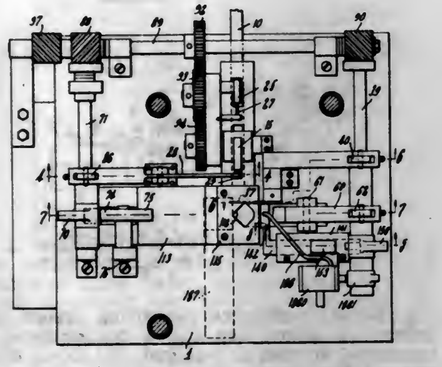
$$\frac{\lambda}{2}$$

said stub sections being spaced apart a fixed length d such that

$$d=\frac{\lambda}{4}$$

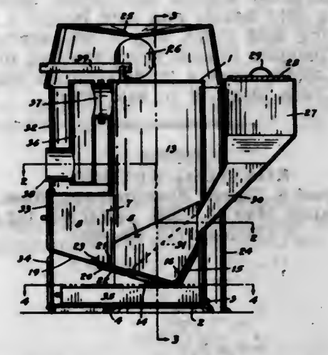
represents the maximum value of the spacing, and an intervening section of line in tandem with said main line and electrically coupled to said stub sections to provide an impedance network of distributed reactance, the characteristic impedance of said intervening line section being ½ Ze, and movable trap pistons terminating said stubs respectively and extending ¼λ distance into said stubs, where λ is the propagated wavelength, said variation of stub length being to accommodate a variety of load impedances.

2,572,673
MACHINE FOR MAKING CORNER MOUNTS
George Stokinger, Wakefield, Mass., assignor to Ace Art Company, Reading, Mass., a corporation of Massachusetts
Application October 2, 1947, Serial No. 777,452
7 Claims. (Cl. 93—1)



1. A machine of the class described, comprising means for feeding a relatively narrow cap strip endwise, an anvil across which said strip is fed and having a pair of angularly related upstanding edges both extending inwardly from the same side edge of said strip to the opposite side edge, a presser plate having an end tapered to mate the angularity of said upstanding edges, means for cutting off said cap strip at the front edge of said anvil and adjacent to one end of one only of said upstanding edges to form a cap element overlying said anvil, means pressing said plate toward said anvil to lift adjacent corners of said element for the full length of said element between said edges and said tapered end, a folding plate having a notch in its forward face, means for reciprocating said folding plate with its notched face across said presser plate to fold said lifted corners against said presser plate, and means for cutting and impressing on said folded corners a base element having an activated adhesive face to secure said cap and base elements together.

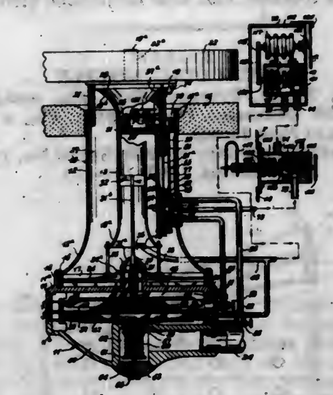
2,572,674
MAGAZINE TYPE HOT-AIR FURNACE
William E. Strange, Brandon, Manitoba, Canada
Application April 28, 1950, Serial No. 158,688
In Canada March 6, 1948
1 Claim. (Cl. 126—107)



A furnace comprising, a vertical cylinder closed at its top serving as a fire box and heat exchange structure having a flue extending from the upper part thereof, a pair of spaced apart vertical heavy plates positioned across the lower interior portion of said cylinder spaced apart to provide a fire box of substantially rectangular shape and each turned over at an angle at the upper edge presenting upwardly and outwardly sloping walls connected with the wall of the cylinder to thus close off substantially semicircular chambers on the outer sides of the heavy plates and consequently the fire box, a hot air casing encircling and spaced from the cylinder to provide air circulation around and above said cylinder, an angular shaped lattice grate mounted substantially rigidly between and supported by said vertical plates in the lower part of the cylinder and the fire box and inclined at an angle so said grate forms a pocket for the support and burning of fuel therein, doors and openings through said casing and cylinder giving access to said fire box above and below the grate, a fuel feed hopper exteriorly of the casing having a chute discharging fuel by gravity at the rear upper end of said grate, heated air outlet pipes from the upper part of the casing, and cold air supply pipes leading into the casing and supplying air in the area of the wall of the cylinder having the closed off semicircular chambers.

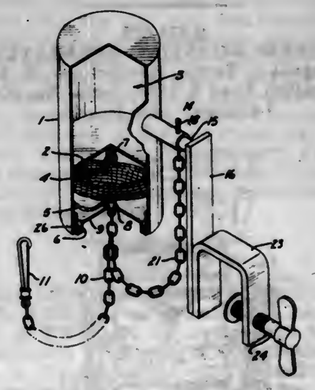
2,572,675
GAS BURNER WITH MODULATED FLAME ORIFICE
Paul F. Swenson, Cleveland Heights, and Milton F. Pravda, Bedford, Ohio, assignors to The Cleveland Research Corporation, Cleveland, Ohio
Application April 7, 1947, Serial No. 739,738
7 Claims. (Cl. 158—117)

1. In a gas burner, a housing comprising a casing and a main burner tube connected therewith, a mixing tube member located in said main burner tube and extending substantially coaxially thereof, a deflector member, said mixing tube member having an air inlet at one end thereof and a discharge opening at its other end for discharging a gas and air mixture, said deflector member being located adjacent to and extending transversely of said other end of said mixing tube member and cooperating therewith in defining said discharge opening, one of said members being movable relative to the other axially of said main burner tube for varying said discharge opening, a gas delivery nozzle adapted to discharge a velocity stream of gas in said mixing tube member axially thereof for mixing with air from said air inlet, means for supplying gas under pressure to said nozzle, a movable valve



element controlling the delivery of gas from said nozzle, means connecting said one member with said valve element for movement conjointly with the latter, gas pressure responsive diaphragm means in said casing and operable to cause such conjoint movement of said one member and valve element, and pressure regulating valve means in said casing for controlling the pressure of the gas acting on said pressure responsive means.

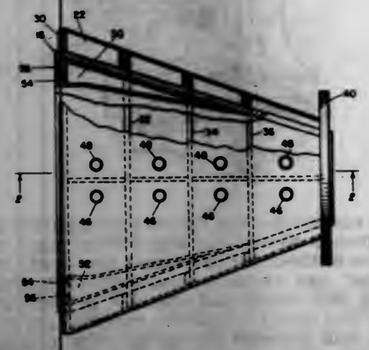
2,572,676
AUTOMATIC MARKER BUOY FOR LOST OBJECTS
Charles C. Swyers, Toledo, Ohio
Application April 4, 1950, Serial No. 153,887
5 Claims. (Cl. 9—9)



1. An automatic marker buoy for indicating the location of an object which has fallen overboard from a boat comprising, in combination, a float having two sections, the first section being buoyant and the second section having facilities for storing a coil of line, a coil of line stored in said second section with one end secured to said float, a friction-held line retainer for retaining said coil of line in said facilities, the other end of said

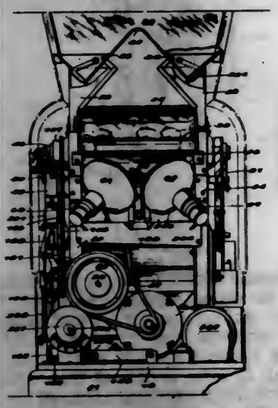
coil of line being secured to said retainer, a flexible connector between said retainer and the object whose position is to be indicated, a pair of disengageable members one secured to said float and the other adapted to be secured to the boat, resilient means urging said members apart, a removable element holding said members together and a short flexible connector between said line retainer and said removable element.

2,572,677
EXTRUDING NOZZLE
John D. Tench, Prospect Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 9, 1950, Serial No. 143,260
8 Claims. (Cl. 18—12)



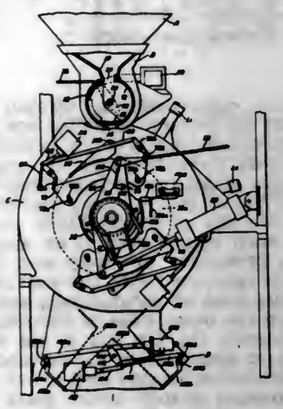
8. In an extruding nozzle including a die, a jacket enclosing said die, a plurality of transverse chambers in said jacket, and thermal circulating means connected to the chambers, the improvement comprising a plurality of longitudinally extending chambers adjacent the die extruding surface positioned to thermally control predetermined areas thereof, and means for circulating thermal control mediums of selected temperatures through said longitudinally extending chambers.

2,572,678
COFFEE ROASTING APPARATUS
August S. Torres, Kinderhook, N. Y.
Application April 9, 1946, Serial No. 660,723
5 Claims. (Cl. 34—45)



1. In a coffee roasting machine, a coffee roasting drum adapted to substantially retain heat generated therein and being capable of transmitting infrared rays, means for rotatably mounting said drum, an electric heater axially disposed within said drum, a plurality of infrared ray lamps disposed externally of said drum in proximity thereto whereby the rays thereof may be directed against said drum, means for energizing said heater and said lamps, a motor for rotating said drum, and a temperature responsive member in said drum adapted to energize said motor when a predetermined temperature has been attained in said drum.

2,572,679
ROASTING METHOD
August S. Torres, Framingham, Mass.
Application May 16, 1950, Serial No. 162,335
6 Claims. (Cl. 99—68)



1. The method of roasting coffee which comprises admitting a green batch thereof into an atmosphere preheated to a mean temperature of 400° F., agitating the batch in said atmosphere while applying heat thereto until the batch has been substantially dehydrated, thereafter discontinuing the appliction of heat, permitting the temperature of the batch to increase 25–45° F. at a slow rate by the exothermic action thereof until a preselected temperature within the range of 360–410° F. thereof has been attained, and thereupon promptly removing said batch from the roasting atmosphere and subjecting the same to a cooling medium.

2,572,680
RUNNING SHOE
Floyd C. Treat, Barrington, Ill., assignor to The Athletic Shoe Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 768,969
2 Claims. (Cl. 36—2.5)



1. A running shoe having a sole and an upper, a sole tap terminating in a straight line positioned a substantial distance forward of the ball line, and four cleats extending through the sole tap and providing the sole traction means for the shoe, one of said cleats being positioned approximately under the distal bone of the great toe, another cleat for balancing said distal cleat being disposed approximately on a line with the latter transversely of the axis of the foot, and a pair of spaced cleats being disposed adjacent the rear extremity of said tap and substantially under the base joints of the toes whereby, when said shoe is used for running or sprinting, all four of said cleats will penetrate the ground throughout the major portion of their length.

2,572,681
MECHANICAL BINDING
Clarence D. Trussell, Turnwood, N. Y.
Application March 17, 1950, Serial No. 150,220
3 Claims. (Cl. 129—1)



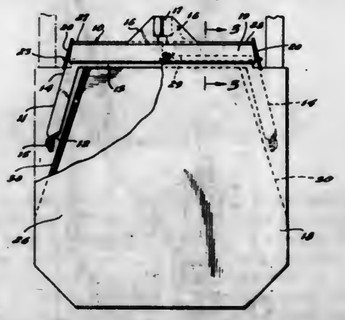
1. The mechanical binding herein disclosed and comprising a tubular rib having integral ring forming fingers projecting from one side, said tubular rib having slots in the opposite side to receive the ends of the ring forming fingers and said ring forming fingers being flexible and springy in character and set to close to a diameter less than the ring diameter formed by entry of the ends of the fingers in the slots in the rib and whereby when the ends of said fingers are entered in said slots said fingers will be held engaged in said slots under the spring closing tension imparted by the set of the ring forming fingers.

2,572,682
MACHINE FOR MARKING BUTTONHOLES AND BUTTONS ON GARMENTS
Frank Urish, Flushing, N. Y.
Application July 25, 1950, Serial No. 175,701
13 Claims. (Cl. 33—190)



1. A machine for marking a garment with buttonholes and buttons comprising a base plate, another plate supported on said base plate in spaced relation thereto, garment marking devices supported by said latter plate, a crosshead movable toward and away from said marking devices, and garment marking devices carried by said crosshead including crayons adapted to yield and to rotate when pressure is exerted thereupon during the marking operation.

2,572,683
FRAME FOR LADIES' HANDBAGS AND THE LIKE
Jack Wachs, Brooklyn, N. Y.
Application June 23, 1948, Serial No. 34,635
1 Claim. (Cl. 150—29)

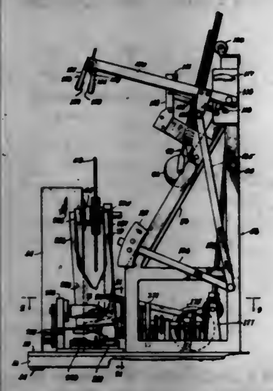


In a lady's handbag, a frame consisting of a pair of inverted U-shaped frame sections each including a longitudinally extending intermediate portion and depending legs at the opposite ends of said intermediate portion, corresponding legs of said sections being hingedly connected together at the free ends thereof for opening and closing the handbag, said sections having outwardly projecting apertured ears at the opposite ends of said intermediate portions and clamping members for said frame members respectively, said clamping members being of angulated formation in cross-sectional configuration each consisting of an inwardly directed portion and an upwardly directed portion disposed substantially in right angular relation with the inwardly directed portion and having pintles at the juncture of said portions extending outwardly at the opposite ends thereof and pivotally engaging in the apertures in said ears for swinging movement of said portions toward and away from said frame sections, and a container element having oppositely disposed side walls each formed with an upwardly extending projection provided with an enlargement located adjacent the juncture of the projection with the side wall and extending longitudinally thereof and projecting outwardly beyond the outer face of said side wall, said upwardly extending projections engaging between said intermediate portions of the sections and the clamping members respectively for securing said container element to the bag frame by swinging movement of said clamping members for retaining said enlargements of the upwardly extending projections within the angulated portions of said clamping members.

2,572,684
AUTOMATIC RECORD CHANGER
Irving D. Wallach, Port Washington, and George Clark, New York, N. Y., assignors to Associated Development & Research Corporation, New York, N. Y., a corporation of New York
Application April 10, 1948, Serial No. 20,248
13 Claims. (Cl. 274—10)

1. In an automatic phonograph record player, the combination of a turntable for supporting a record for rotation in a vertical plane; a magazine for receiving a plurality of records; means for transporting a record from said magazine to said turntable; means for returning said record to said magazine, comprising a clamp having closable jaw members, arm means for

swinging said clamp into record gripping position at said turntable then to record releasing position at said magazine; means for closing and for opening said clamp jaw members at the aforesaid



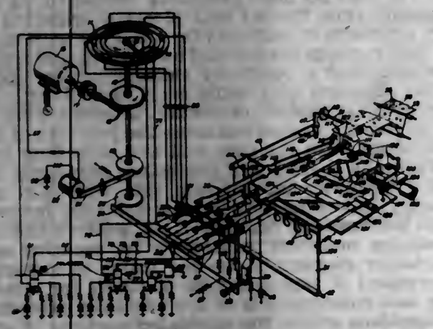
gripping and releasing positions; and means pivotally mounted on said magazine and extending transversely thereof to engage said record and sweep it rearwardly into said magazine as said record is brought toward said magazine.

2,572,685

TAPE FEED SUPPRESSION MECHANISM

Edward F. Watson, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 13, 1946, Serial No. 669,212
4 Claims. (Cl. 178—22)



1. In a tape-controlled telegraph transmitter, a distributor, a tape sensing mechanism, a tape feeding mechanism, means for blocking said tape feeding mechanism, manually operable means for operating said blocking means, means for latching said blocking means in its blocking condition, and means controlled by said distributor for releasing said latching means.

2,572,686

AUTOMATIC CLOSURE FOR VALVE-BAG VALVES

Per August Sture André, Stromsnasbruk, Sweden

Application May 24, 1946, Serial No. 672,096
In Sweden January 3, 1946
10 Claims. (Cl. 229—62.5)

1. An automatic closure for a valve-bag valve which is constructed with a sleeve flattened horizontally to form upper and lower walls, said sleeve passing between the flaps at the end of a bag and having a discharge end inside the bag, which comprises a pair of spaced-parallel arcuate leaf springs mounted transversely at the discharge end of the valve sleeve, one spring being mounted on the upper wall adjacent the discharge end of the sleeve while the second spring is mounted on the lower wall to the rear of the first and sepa-



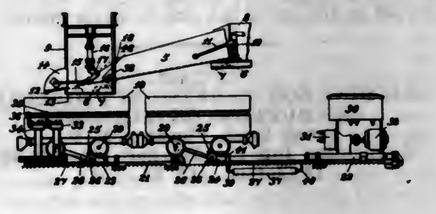
rated therefrom by a folding section of said sleeve, said springs being mounted on the sleeve in such manner that they are both convex towards the axis of the valve sleeve when open, whereby said springs tend automatically to spring into concentric position with the outer spring beneath the inner spring thereby automatically folding the discharge end of the top wall downwardly and inwardly over the bottom wall and closing the valve.

2,572,687

POWER-ACTUATED VEHICLE-MOVING APPARATUS

John Anderson, Glasgow, Scotland, and Andrew Fraser, London, England, assignors to Mavor & Coulson, Limited, Glasgow, Scotland

Application June 13, 1947, Serial No. 754,390
In Great Britain January 24, 1945
4 Claims. (Cl. 214—42)



1. In combination with a material-discharging means, vehicle-moving apparatus comprising a pressure-fluid system, two pressure-fluid ram units incorporated in said system, each unit having means for engaging a vehicle to be moved, control valve means also incorporated in said system for controlling the movements of the respective units, the first of said units being arranged in relation to said material-discharging means so that it can advance a vehicle into a loading station in which to receive material discharged by said means and the other of said units being arranged in relation to the first unit so that it can impart a trimming movement to said vehicle while in said station, and a valve also incorporated in said system for controlling the operation of said material-discharging means, said valve being actuated by one of said ram units so that said material-discharging means is operative only during the trimming movement of the vehicle.

2,572,688

MAGNESIA REFRACTORY AND METHOD OF MAKING

Leslie W. Austin, San Jose, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware

Application April 30, 1947, Serial No. 744,893
15 Claims. (Cl. 106—58)



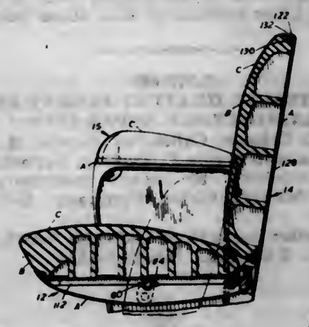
1. A non-fused refractory composition comprising as aggregate non-fused periclase grain material containing at least 95% by weight of magnesium oxide, and a minor proportion of a bonding agent which upon firing provides an overall refractory composition analyzing at least 95% by weight of magnesium oxide and not more than 2% by weight of silicon dioxide.

2,572,689

SEAT CUSHION ASSEMBLY

Charles Hugh Bell, London, England, assignor to Gaumont Kalee Seating Limited, London, England

Application April 30, 1948, Serial No. 24,283
6 Claims. (Cl. 155—183)



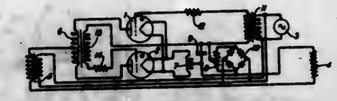
1. In a chair or seat, one or more removable cushions each comprising a rigid base and an upholstered part carried thereby, said base having a peripheral flange; a rigid pan receiving said base and removably connected thereto, said pan having a complementary rim normally spaced from the flange and forming with the flange a peripheral pocket having a restricted mouth; and a cover on the exposed area of said upholstered part entering the restricted mouth and having a thickened marginal portion confined in the pocket, said marginal portion being of such thickness that same cannot pass through the mouth when the pan and base are connected together.

2,572,690

RECTIFYING APPARATUS

William H. Bixby, Detroit, Mich., assignor to Donald R. Middleton and Stanley M. Hanley, doing business as Power Equipment Company, Detroit, Mich., a copartnership

Application October 19, 1948, Serial No. 55,340
8 Claims. (Cl. 321—27)



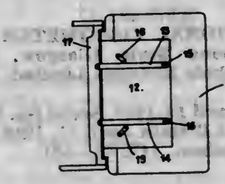
1. In combination, a first and a second gaseous discharge device each having an anode, a cathode and a control electrode, a center-tapped reactance coil, means for supplying current from an alternating-current supply source to a load through a circuit having two parallel branch paths, each including the space current path of one of said devices in series with one half of said reactance coil, an auxiliary coil in inductive relation to said reactance coil, a circuit including said auxiliary coil connecting the control electrode and cathode of said second device, and means for impressing upon the control electrode of said first device a potential with respect to its cathode for causing the control of space current in both of said devices.

2,572,691

REGISTERING DEVICE FOR USE WITH MACHINES HANDLING PUNCTURED SHEETS

Henri Bobst, Lausanne, Switzerland

Application April 27, 1946, Serial No. 665,600
In Switzerland March 5, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 5, 1965
8 Claims. (Cl. 271—60)



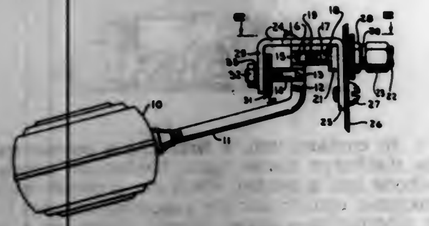
1. In combination with a machine for handling sheets having registering holes therein and including mechanism for gripping successive sheets at a pick-up station and for feeding the sheets; a sheet support surface extending toward said pick-up station, a plurality of punches projecting from said support surface and positionally adjustable relative to the latter for engagement in the holes of a sheet on the latter to register the sheet, at least one member extending over said support surface and adjacent to each one of said punches and normally lying against said surface to permit said punches to project through the sheet thereabove, and movable actuating means connected to said member and operative each time said mechanism grips a sheet at said pick-up station to displace at least the portion of said member in the area of said punches out of the plane of said support surface a distance sufficient to raise the overlying sheet out of engagement with said punches.

2,572,692

FLOAT CONTROLLED HUMIDIFIER VALVE

Edward W. Bettum, Detroit, Mich., assignor to Skuttle Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application September 3, 1947, Serial No. 771,988
2 Claims. (Cl. 137—104)



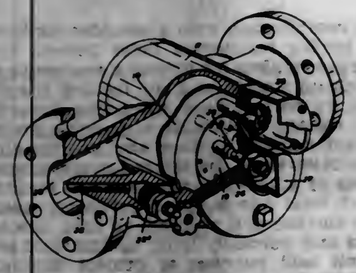
1. In a float controlled fluid inlet control means having a float tank and a float operated member pivotally mounted for pivotal movement with the rising and falling of the water level of the float tank and having a fluid inlet duct communicating with the float tank and an arm operatively coupled with the float operated member for opening and closing said inlet duct upon pivotal falling or rising respectively of the float member, the combination of an adjustable pivot support for pivoting the arm, said pivot support providing a worm screw and a worm drive means rotatably mounted in a stationary portion of said pivot support and in driving engagement with said worm screw, and indicating means for indicating the direction and magnitude of the adjustments of said worm screw relative to said worm drive means and comprising an external screw-threaded portion on said worm drive means and a movable indicator in worm driving engagement with said external threaded portion.

2,572,693

ROTATIONAL VISCOMETER

Archibald Raymond Boyle, Glasgow, Scotland, assignor to Debbie McInnes Limited, Glasgow, Scotland

Application April 19, 1949, Serial No. 88,327
In Great Britain April 21, 1948
9 Claims. (Cl. 73—59)



1. A rotational viscometer comprising a body adapted to be rotated in a liquid under test, a two-phase electric motor adapted to be fed from a single-phase supply and to rotate said body, a reactance connected in one phase of said motor of a value which causes resonance to occur in that phase at approximately synchronous motor speed, and means for measuring the current in the other phase.

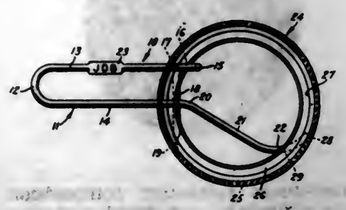
2. A viscometer as claimed in claim 1, in which the electric motor comprises a stator and rotor which define between them a gap for the liquid under test, the rotor constituting said rotatable body of the viscometer.

2,572,694

COMBINED HANDLE AND BRUSH WIPER FOR PAINT CANS

James D. Brennan, Bridgeport, Conn.

Application October 16, 1948, Serial No. 54,891
3 Claims. (Cl. 220—90)



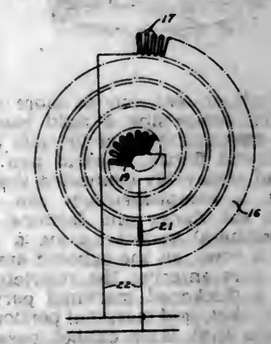
1. In a tool of the character described, a single length of wire bent upon itself intermediate its ends to provide a U-shaped handle including a pair of spaced horizontally aligned arms and a horizontal bight portion, one of said arms at its forward end bent downwardly, then rearwardly providing a hook portion to extend about the rim of a can, said arm then again bent and extending laterally toward the other arm in a plane below the latter to engage spaced portions of the underside of a can rim over which said hook has been engaged, and the other of said arms continued forwardly beyond the forward end of the first mentioned arm to span the can and engage the underside of a rim portion of the can at the side of the can opposite that engaged by said hook, and the free end of said other arm curved to follow the inner contour of said other side of the can.

2,572,695

ELECTRICAL HEATING JACKET FOR LABORATORY APPARATUS

Earnest H. Briscoe, Columbus, George A. Stone, Gahanna, and Lorrin C. Tarlton, Reynoldsburg, Ohio, assignors, by mesne assignments, to Briscoe Manufacturing Company, Columbus, Ohio

Application June 26, 1948, Serial No. 35,454
2 Claims. (Cl. 219—44)



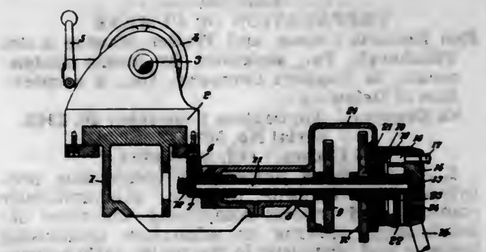
1. An electrical heating device of the character described comprising an outer substantially hemispherical wall of thermal and electrical insulating material, a flexible and substantially hemispherical inner wall of thermal and electrical insulating material disposed in spaced relation to said outer wall and forming a concave pocket for the reception of a container, a flexible body of fibrous thermal insulating material disposed between said inner and outer walls, a continuous flexible strip of integrally knitted and braided resistance wire and thermal and electrical insulating material carried in spiralled disposition upon said inner wall within the pocket formed thereby, said resistance wire being disposed in transverse convolutions throughout the length of said strip, the individual convolutions of said resistance wire being united by knitted threads of thermal and electrical insulating material, a portion of the convolutions of resistance wire at one end of said strip being disengaged from the knitted threads thereof and secured to said inner wall at the bottom of the pocket in radial fan-shaped order.

2,572,696

SAFETY DEVICE FOR PROTECTING THE DEAD CENTERS OF MACHINE TOOLS

Henri René Bruet, Neuilly-sur-Seine, France, assignor of one-half to Etablissements A. Cazeneuve, La Plaine-Saint-Denis (Seine), France, a society of France

Application April 26, 1950, Serial No. 158,140
In France May 20, 1949
1 Claim. (Cl. 82—31)



In a machine tool including a frame, a dead center and a tailstock slide for supporting said dead center movable with respect to said frame in the direction of the dead center axis, a safety device for the protection of said dead center which comprises, in combination, a rack rigid with said slide, a pinion journalled in said frame and in mesh with said rack, a torsion bar coaxially fixed at one end thereof to said pinion, a disc rigid with the other end of said torsion bar rotatable with respect to said frame, a disc provided with radial notches rigidly carried by said frame coaxially with said first mentioned disc and with its notches turned toward said second mentioned disc, a finger slidable in said first mentioned disc in a direction parallel to the axis thereof adapted to engage any of said notches, and spring means interposed between said finger and said first mentioned disc for urging said finger toward said second mentioned disc.

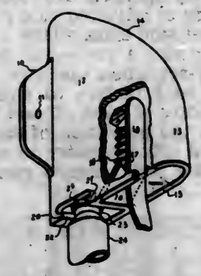
2,572,697

HOLDER FOR TOOTHBRUSHES AND PASTE TUBES

Clarence R. Buckner, Portland, Oreg.

Application December 26, 1947, Serial No. 793,972
1 Claim. (Cl. 312—207)

A holder for a tooth brush and paste tube consisting of a flat, inverted, open container having means for fixing same to a support with its open end lowermost, said open end having an inclined shelf extending transversely across the middle of the open end, the upper edge of said shelf having a brush engaging notch, the lower end of said shelf forming part of a paste tube support and



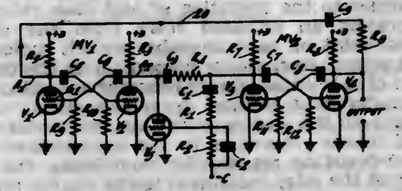
the adjacent container wall having a horizontal flange opposite the lower shelf end forming the second tube support, the side of said container having a T slot therein adapted to admit a tube cap horizontally into said container while said shelf requires a brush to be moved vertically into and out of said container.

2,572,698

FRACTIONAL FREQUENCY DIVIDER

Arthur E. Canfora, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 10, 1946, Serial No. 696,913
13 Claims. (Cl. 250—36)



1. A first rectangular wave generating circuit provided with a push-pull output and having two degrees of electrical stability, a second rectangular wave generating circuit provided with push-pull input and output terminals and also having two degrees of electrical stability, means for deriving an output from one end of said second circuit push-pull output, separate respective connections from the push-pull output of said first circuit to the push-pull input of said second circuit for controlling said second circuit, and means responsive to the waveform at only one end of said second circuit push-pull output for periodically resetting said first circuit to a particular degree of stability.

2,572,699

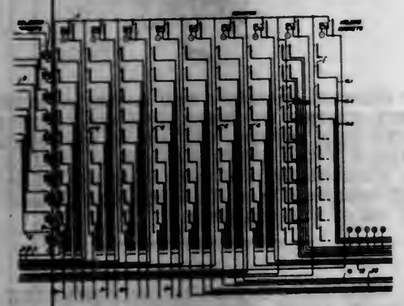
CHARGE AND TAX DETERMINING EQUIPMENT FOR TELEPHONE SYSTEMS

Warren W. Carpenter, Forest Hills, and Edward Vroom, Ossining, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 28, 1949, Serial No. 107,198
1 Claim. (Cl. 235—61)

A system for determining the charge for a telephone call and the tax thereon, said charge be-

ing a function of a base rate factor, a called office factor, a class-of-service factor, an overtime factor and a zone of origin factor, comprising a relay for each charge and tax as determined by one or more of said factors, a plurality of base rate relays, an office register, a plurality of class relays selectively operable over said base rate relays, a plurality of adjusted rate relays selectively operable over said class relays, a time decoding register, a key-set, a cross-bar switch operable from said key-set when operated in accordance with each of said factors to close cross-points thereon indicative of each of said factors, means effective upon the operation of said cross-points to operate said office register to register therein the called office code, means responsive to the



setting of said register for operating the base rate relay applicable to the call, means controlled over said operated base rate relay for operating a class relay from the closed cross-point on said cross-bar switch indicating the class of call, means responsive to the operation of said class relay for operating an adjusted relay from the closed cross-point on said cross-bar switch indicating the zone factor, means responsive to the operation of said adjusted rate relay for operating said time-decoding register from the closed cross-points on the switch indicating the time factor, and means responsive to the operation of said time-decoding register for completing the circuit of the relay individual to the charge for the call thereby to operate said relay and thereby determine the charge and tax for the call.

2,572,700

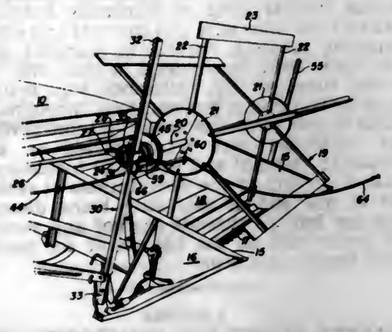
POWER-OPERATED ADJUSTING MEANS FOR HARVESTER REELS

Leland M. Chapman, Bowling Green, and Robert E. Whitney, Weston, Ohio, assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Application March 5, 1949, Serial No. 79,884

7 Claims. (Cl. 56—222)

1. For harvesters of the type having a platform above which is carried for vertical adjustment a support on which is mounted reel structure including a rotating reel having a shaft projecting axially outwardly at one end thereof and a reel-driving element concentric with the reel and shaft for rotating the reel relative to the shaft, and wherein vertical adjustment of the reel structure is effected by a rack connected to the platform and extending upwardly adjacent to the shaft and in axially outwardly spaced relation to the reel-driving element, the improvement comprising: means including a pinion and a coaxial sleeve fixed thereto having provision for mounting on the outer end of the shaft for rotation relative to the reel-driving element and with the pinion in mesh with the rack; a driving part coaxially positionable adjacent to the reel-driving element in axially inwardly spaced relation to the pinion and having means for connection to and rotation with the reel-driving element, said driving part having



a clutch portion facing the pinion; and a driven part rotatable with and selectively axially shiftable on the sleeve toward or away from the driven part and having a clutch portion facing and selectively engageable with or disengageable from the driving part clutch portion.

2,572,701

PREPARATION OF CUMENE

Ben Bennett Corson and Walter Monroe Kutz, Pittsburgh, Pa., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

No Drawing. Application September 20, 1943, Serial No. 503,112

4 Claims. (Cl. 260—671)

1. An improved process for condensing propylene with benzene to form predominantly cumene, said process comprising the steps of: continuously flowing an admixture comprising benzene and propylene in the molar ratio respectively of 4:1 into contact with a relatively confined body of aqueous sulphuric acid that contains between 80% to 96% of said acid and is maintained at a temperature of between 20° to 80° C. and thereby forming cumene; maintaining the admixture and acid in continuous flow while in contact with each other in the presence of the so-formed cumene while continuously introducing additional said benzene-propylene admixture into contact therewith; and so correlating the weight of said admixture in contact with the acid with the weight of acid in said body thereof that said admixture and said acid are in contact with each other at the hourly rate of 1:2.2 parts by weight respectively; and recovering the cumene produced.

2,572,702

METHOD OF COOLING ENAMELED STEEL AFTER FIRING

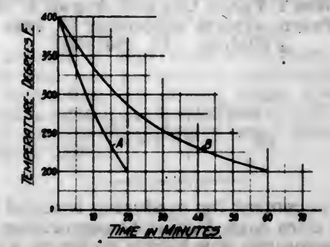
Henry M. Davis, State College, Pa., assignor to United States Steel Company, a corporation of New Jersey

Application March 7, 1950, Serial No. 148,229

3 Claims. (Cl. 117—103)

1. In a method of enameling, the steps including firing steel ware having a coating of dried enamel slip thereon, at a temperature above the fusion temperature of the slip residue, i. e., about

1500 to 1550° F. and, after fusion of the slip residue, cooling the ware in two successive stages, said cooling being carried out by transferring the ware from the firing zone to a cooling zone maintained at about 400° F. and allowing the ware to cool rapidly to approximately that tem-



perature, then gradually and continuously cooling the ware from about 400° F. to about 200° F. by progressively lowering the temperature of the ware in the cooling zone at a controlled rate so that the last-mentioned cooling continues gradually over a period of from 20 to 60 minutes.

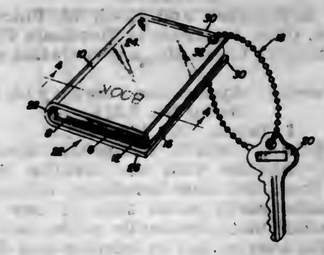
2,572,703

KEY CHAIN WITH RELIGIOUS REMINDER ATTACHED THERETO

Wallace L. Dennis, Gadsden, Ala.

Application March 14, 1950, Serial No. 149,617

2 Claims. (Cl. 281—1)



1. A constant reminder comprising a sheath, U-shaped in cross-section and embodying a pair of spaced parallel cover members joined together along corresponding longitudinal edges by a resilient bight portion, said cover members being transparent and the free longitudinal edge portions of said cover members remote from said bight portion being spreadable and providing an intervening variable space, a bound book slightly smaller than and fitted within the confines of said sheath, the bound edge portion of said book being remote from said bight portion and situated in and aligned with said space and the openable edge portion being contiguous with and parallel to said bight portion, at least one surface of said book having printed indicia which is clearly visible through the adjacent cover member of said sheath, and an endless flexible element situated adjacent said bound edge portion and having a portion thereof passing through opening means provided therefor in corresponding corner portions of said cover members and the intervening corresponding corner of said book, the length of said element being such as to permit said book to be rotated through said space and, if desired, bodily dislodged and moved through said space to a position outside of the bounds of said sheath.

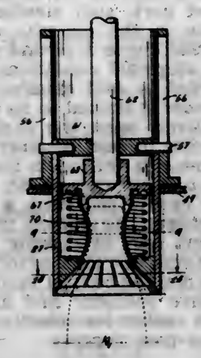
2,572,704

BOTTLE-CAPPING MACHINE

Arthur H. Edgerton, Rocky River, Ohio, assignor to Harold D. Laidley, Cleveland, Ohio

Application April 30, 1947, Serial No. 744,926

8 Claims. (Cl. 226—83)



5. A bottle capping machine comprising a hollow punch for striking blanks successively from a continuous strip of film, mechanism for reciprocating said punch, a feed roll, pins on said roll for piercing the lineal edge portions of the scrap film and pulling the strip away from the punch, mechanism for rotating said feed roll before the punch engages the film, cambered spring fingers in said punch surrounding the neck of a bottle, and mechanism for increasing the camber in said spring fingers and pressing the blank punched from the strip of film into intimate engagement with the neck of the bottle.

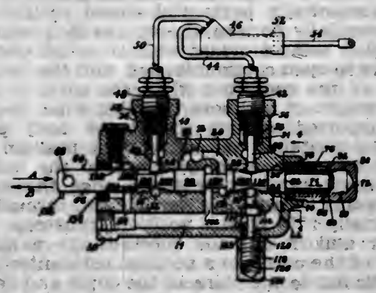
2,572,705

FLUID CONTROL VALVE WITH SELECTIVE FLOAT POSITION

John H. Edman, Dubuque, Iowa, assignor to Deere Manufacturing Co., Dubuque, Iowa, a corporation of Iowa

Application May 4, 1950, Serial No. 160,077

7 Claims. (Cl. 277—51)



1. A fluid-pressure control valve assembly, comprising: a casing having a valve bore, a fluid inlet leading to the bore, first and second motor ports leading from the bore, an exhaust passage, and first and second exhaust ports leading from the bore to the exhaust passage; first and second check valves respectively in the motor ports and normally closed against return fluid; a control valve member in the valve bore having a neutral position in which the check valves are closed and the inlet is led to the exhaust pas-

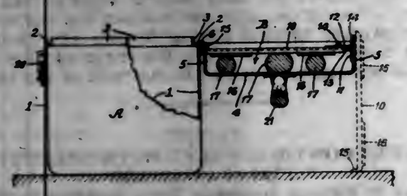
sage; said member being shiftable in one direction from said neutral position to a first active position in which the inlet is disconnected from the exhaust passage, the first motor port is disconnected from the inlet and connected to the first exhaust port, and the second motor port is connected to the inlet and disconnected from the second exhaust port; said member being selectively shiftable in the opposite direction from said neutral position to a second active position in which the aforesaid conditions are reversed; means connected to said member and effective when the member is shifted to its first active position to positively open the first check valve; means connected to said member and effective when the member is shifted to its second active position to positively open both check valves; means in the casing providing a passage communicating between the exhaust passage and the first motor port and by-passing the fluid disconnection between the first motor port and first exhaust port when the control valve member is in its second active position; and means movably carried by the casing for selectively opening or closing said by-pass passage.

2,572,706

BOX LID SUPPORT

Arthur E. Eichholz and Henry Samuelson, Chicago, Ill., assignors to Central Stamping and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 16, 1949, Serial No. 87,938
3 Claims. (Cl. 206—16)



1. In combination in a container including a body portion having side and bottom walls and a cover member hingedly connected to one of said side walls along one edge and movable about the hinge axis through substantially 180° from a substantially horizontal closed position to a substantially horizontal open position, said cover member being provided with an article-receiving cavity in open communication with the body portion of the container when the cover is closed, the weight of said cover member when open and unsupported tending to tilt the body portion of the container out of upright position; support means movably attached to the inside of the cover member near one edge thereof and swingable, when the cover is open, through substantially 270° from a position transverse of the cover and in a plane substantially parallel to that of the cover, to a position substantially perpendicular to the plane of the cover and depending therefrom, said support member when in said first-mentioned position being adapted to engage articles deposited within the cavity in the cover to support said articles from beneath when the cover is closed and thus retain the articles in place within the cover, said support means being dimensioned in length to engage, when in said second-mentioned position, the surface on which the container is supported to support the cover member in a substantially horizontal open position, and thereby overcome the tendency of the cover when open to overturn the body portion of the container.

2,572,707

PULSE GENERATOR

Maurice Elie, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application June 20, 1947, Serial No. 755,874
In France September 19, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires September 19, 1959
3 Claims. (Cl. 250—36)



1. Arrangement for producing trans of oscillations at ultra high frequency comprising, a tube of the magnetron type having an anode, a cathode coaxial therewith, and a magnetic field parallel to the cathode, a source of direct current voltage connected between said cathode and said anode, said direct current voltage being lower than the cut-off and means connected to said anode for superimposing on said direct current voltage impulses at the frequency of said trains and having positive amplitudes such as to carry said anode voltage into saturated current condition and thereby cause the magnetron to oscillate during said impulses with its proper frequency.

2,572,708

PROCESS OF PREPARING 2-THENYL ALCOHOLS

William S. Emerson and Tracy M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application February 10, 1948, Serial No. 7,524
4 Claims. (Cl. 260—332.3)

2. A process which comprises treating a 2-thenyl chloride with an alkaline material selected from the class consisting of the alkali and alkaline earth metal salts of one to four carbon atom monocarboxylic acids, said treatment being carried out by heating said 2-thenyl chloride in the presence of a water solution of said metal salts at the reflux temperature and then adding an alkali metal hydroxide to said water solution, the amount of alkali metal hydroxide added being from one to three moles per mole of said 2-thenyl chloride initially present and refluxing said solution to form a 2-thenyl alcohol.

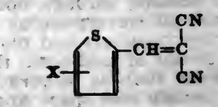
2,572,709

THENALMALONONITRILES

William S. Emerson and Tracy M. Patrick, Jr., Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application August 5, 1948, Serial No. 42,736
6 Claims. (Cl. 260—329)

1. A chemical compound having the structure:



wherein X is a radical of the group consisting of halogen, alkyl and hydrogen.

2,572,710

PREPARATION OF TEREPHTHALIC ACID

William S. Emerson and Theodore C. Shafer, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application September 23, 1949, Serial No. 117,495
6 Claims. (Cl. 260—525)

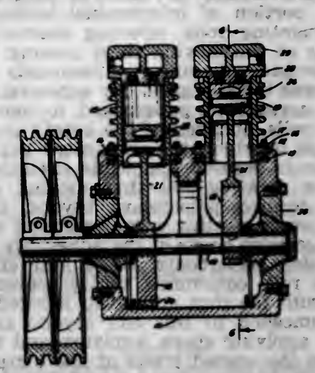
1. A method of separating a mixture of terephthalic acid and para-toluic acid, which comprises contacting the mixed acids with para-xylene at a temperature in excess of 120° C., and filtering the resulting slurry at a temperature in excess of 120° C.

2,572,711

AIR COMPRESSOR

William V. Fischer, Akron, Ohio, assignor to Ruth M. Fischer

Application March 27, 1945, Serial No. 585,118
14 Claims. (Cl. 230—20)



1. A compressor embodying a crankcase, a plurality of cylinders mounted for adjustment thereon, pistons in said cylinders, a drive shaft in said crankcase, circular eccentrics keyed thereon, straps journalled on said eccentrics, connecting rods on said straps for the operative support of said pistons, means in said eccentrics for varying the lift thereof, valve plates on said cylinders the two faces of the said valve plates being asymmetrically disposed with respect to the mounting surfaces of the valve plates whereby inverting the valve plates will compensate the variations in the lift of said eccentrics, a semi-cylindrical surface on said crankcase having transverse parallel slots therethrough for the connecting rods, and means in the walls of said crankcase adjacent said slots for the securement of said cylinders in operative relation to said eccentrics and connecting rods.
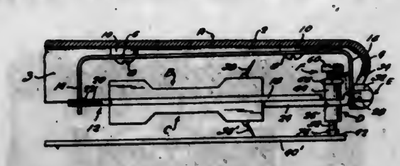
2,572,712

DUAL PURPOSE PICKUP ASSEMBLY AND RELIEF MEMBER THEREFOR

Berne N. Fisher, Roselle, N. J., assignor to General Instrument Corporation, Elizabeth, N. J., a corporation of New Jersey

Application November 6, 1948, Serial No. 58,645
13 Claims. (Cl. 274—24)

3. A dual purpose pick-up assembly suitable for use with two types of records each requiring a different pick-up unit, said assembly comprising a tone arm, a bracket secured thereto, a support pivotally mounted in said bracket, a first pick-up unit on one side of said support and having a first needle depending therefrom, another pick-up unit on another side of said support and having a second needle depending therefrom, and a resilient relief member secured to and projecting from said other side of said support, the tip of said member extending beyond said second needle but being resiliently movable toward said support, said tip engaging the top surface of a record when said other pick-up unit is in operative position and reducing the force exerted by said second needle on said record.

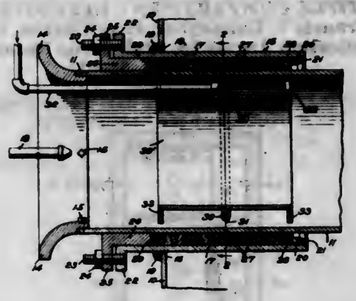


2,572,713

EXPANSION DEVICE FOR FLUES OF ASPHALT HEATING STILLS

Augustus Marion Flynt, Sr., Savannah, Ga.

Application July 29, 1949, Serial No. 107,587
5 Claims. (Cl. 126—343.5)



1. An expansion device or joint between a vertical wall of an asphalt heating still and a heating flue which extends through the wall and has a burner at the outer end of the flue to throw a flame into the flue, said device comprising a cylindrical sleeve extending through and fixed to the wall, a cylindrical heating flue extending through and spaced from the sleeve, packing means extending longitudinally between the sleeve and flue, and through which the flue is slidable, a transversely disposed and lengthwise curved spray head for a cooling liquid arranged in the flue opposite the central portion of the packing, and an elongated ring-like liquid deflector arranged in the flue opposite the packing and within the spray head to project upon opposite sides of the latter and prevent the spray liquid from dropping into the flame from the burner.

2,572,714

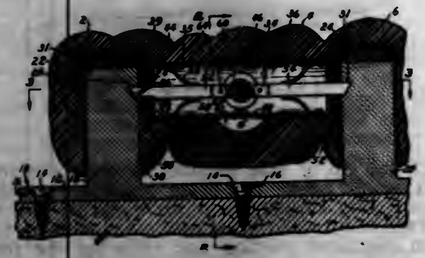
ARTIFICIAL DENTURE

Isaac M. Funderburg, Jr., Cresset, Ark.

Application May 16, 1950, Serial No. 162,259
16 Claims. (Cl. 32—8)

1. An artificial denture comprising a strip of metal, means for attaching said strip to a jawbone, spaced upstanding posts integral with said strip, said posts having recesses in the side walls

thereof, a unit of at least three artificial teeth comprising end teeth and a center tooth integrally united with one another, said end teeth each having a downwardly facing, generally vertical socket extending substantially axially therein dimensioned for engagement over said posts,



said end teeth having opposed upwardly and downwardly facing interior surfaces vertically spaced from one another and extending laterally outward from said sockets and yieldable detent means engaged in the recesses in said posts and said interior surfaces.

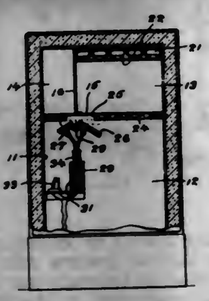
2,572,715

MULTIPLE COMPARTMENT REFRIGERATOR

Francis V. Gallaugher, Lake Charles, La.

Application August 10, 1948, Serial No. 43,499

3 Claims. (Cl. 62—2)



3. In a multiple compartment refrigerator, the combination which comprises a substantially hollow rectangular shaped refrigerator housing having an insulated wall, a horizontally disposed insulating partition having a non-insulated heat exchanging section therein positioned in said housing and spaced from the lower end providing a cool chamber in the lower part of the refrigerator, a vertically disposed partition extended from the said horizontally disposed partition through the upper part of the housing, spaced from one side of the housing, and positioned over the intermediate part of the said heat exchanging section of the horizontally disposed partition thereby providing a current freezing chamber and a storage freezing chamber above the said horizontally disposed partition, a baffle in the lower cool chamber of the housing positioned to coact with the said heat exchanging section of the horizontally disposed partition, and a thermostat in the said lower cooling chamber positioned to actuate the said baffle to adjust the quantity of air contacting the said heat exchanging section of the horizontally disposed partition.

2,572,716

APPARATUS FOR AND PROCESS OF FORMING SINGLE-FACED CORRUGATED BOARD

Walter C. George, St. Louis, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland

Application June 27, 1949, Serial No. 101,536

8 Claims. (Cl. 154—31)



1. The process of manufacturing corrugated board which comprises continuously feeding a pliable substantially flat sheet of paperboard to the bite portion of intermeshed heated rotating corrugating rolls, effecting successive corrugations of the moving sheet passing between the enmeshed roll and simultaneously causing an adhesive to be applied for adhesively securing the corrugated paperboard to one of the rotating rolls, continuing the rotary movement of the roll to which the corrugated paperboard is adhesively secured and while enmeshed with the other rotating roll thus moving the adhesively secured paperboard beyond the corrugating stage, coating a liner securing adhesive to the successive crests of the adhesively secured and moving paperboard while still enmeshed with the roll, continuing rotary movement of the roll with the thus adhesively secured paperboard enmeshed in this roll beyond the liner adhesive applying stage, applying and bonding a liner to the coated crests of the corrugations and simultaneously with such bonding of the liner and corrugated sheet applying sufficient heat to the adhesive which secures the paperboard on the roll while the same is rotating to destroy the adhesive characteristics thereof thereby causing release of the substantially dry and set lined corrugated paperboard from the roll.

2,572,717

CABINET DOOR CONSTRUCTION

Mortimer A. Gersten, New York, N. Y.

Application July 24, 1948, Serial No. 40,489

2 Claims. (Cl. 312—329)



1. In an article of the character described, a door of material of the paper-board type and a stile; said door being hingedly mounted on the stile about an axis along and a little inward of an edge of the door; the stile presenting a longitudinal surface behind its front surface; the hinge axis being at a slightly lesser distance from the front surface of the door than from the mentioned longitudinal surface on the stile; the front surface of the door along its said edge, being positioned in contact with said longitudinal surface of the stile when the door is closed and when the door is being closed, the front surface thereof along the mentioned edge contacts said longitudinal surface of the stile and is flexed thereby along a longitudinal line upon being fully closed.

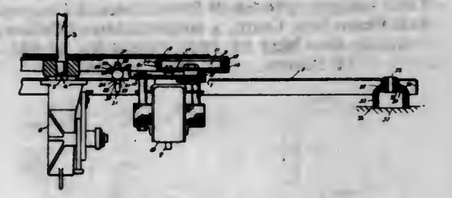
2,572,718

FRICTION DRIVE

Allen G. Gifford, Harborcreek, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania

Application August 9, 1946, Serial No. 689,322

4 Claims. (Cl. 74—206)



1. In a record player turntable drive of the type in which a pulley makes concurrent frictional contact with a turntable and with a driving member, a pulley having a web with a rim of resilient material such as rubber on the web, said rim having a portion projecting axially from and overhanging the web and having a bead on its outer surface frictionally engaging the turntable, said bead overhanging the web and being free to yield locally radially in shear relative to the rim and web.

2,572,719

PLASTIC ARTICLE AND METHOD OF TREATMENT

Robert Ginell and Anny Margot Ginell, Jersey City, N. J.

Application November 4, 1947, Serial No. 783,866

9 Claims. (Cl. 41—41)



1. A process for the treatment of the surface of a soluble plastic material which comprises applying a solvent to a predetermined surface area, subjecting the plastic material to the action of the solvent for a time sufficient to produce a solution of treated material penetrating to desired depth at said area, subsequently applying a precipitating agent in liquid form to said solution and permitting said agent to penetrate said solution to said desired depth and precipitating the plastic material as a precipitate in said solution of the treated material below the surface thereof and then evaporating said solvent to leave said precipitate within said material to effect a corresponding modification of the appearance of said surface area.

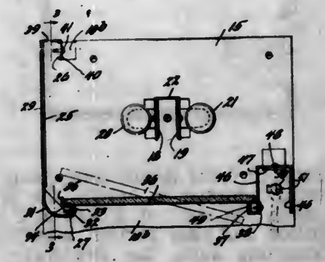
2,572,720

ORNAMENTAL VALANCE UNIT

Virginius H. Goodman, Richmond, Va.

Application August 15, 1949, Serial No. 110,390

20 Claims. (Cl. 160—38)



1. An ornamental valance unit for installation between the upper, opposed side surfaces of two longitudinally spaced wall cabinets, comprising end pieces adapted to be secured to said side surfaces, said end pieces including means thereon for supporting an illuminating device and the front panel of the unit, an illuminating device extending between said end pieces and supported thereon, and a front panel extending between said end pieces and supported thereon.

2,572,721

COMBINATION LEADER, TROLLING SPINNER, AND FISHHOOK

Kermit R. Hatt, Woburn, Mass.

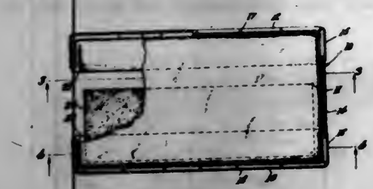
Application April 11, 1950, Serial No. 155,225

4 Claims. (Cl. 43—42.19)



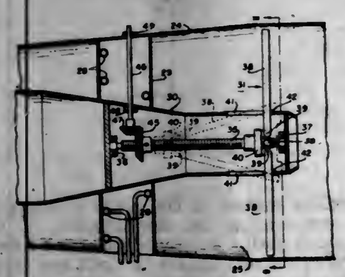
1. Trolling means of the class shown and described comprising, in combination, a flexible leader, a coil spring surrounding said leader, stop means fixed on said leader to limit the sliding of the spring in one direction, a bearing sleeve surrounding and encasing said spring, the latter serving as a bushing for said sleeve, a clevis having eye portions rigidly embracing said sleeve, and a spinner carried by said clevis.

2,572,722
COVERING DEVICE
George Hertz, Washington, D. C.
Application February 26, 1946, Serial No. 650,198
5 Claims. (Cl. 20—79)



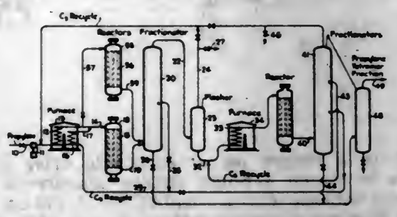
1. A stair covering device comprising, a flexible covering adapted to overlie the tread and project upon the riser of a step and having a tread portion and riser portion, a stiffening element extending along the lengthwise edge of said covering and along a portion of the widthwise edges thereof, a second identical stiffening element oppositely disposed from said first mentioned stiffening element and extending along the lengthwise edge of said covering and along a portion of the widthwise edges thereof to terminate short of the widthwise portions of the oppositely disposed first mentioned stiffening element to provide a flexible area of substantial width therebetween within which the said covering may be folded at any desired point to vary the size of the riser portion of the covering relative to the tread portion thereof, said tread and riser portions being reversible, a pocket disposed on the underside of said covering underlying and extending along substantially the full length of the forward edge of the tread portion thereof and attached thereto, said pocket having side edges extending rearwardly from said front edge and along the side edges of the tread portion and attached thereto and having a free rear edge, a second pocket having substantially the same relation to the riser portion as the first pocket has to the tread portion, and a padded element disposed within the first pocket and removable therefrom and insertable in said second pocket.

2,572,723
COMBUSTION APPARATUS PROVIDED WITH A FLAME-HOLDING ASSEMBLY
Harold L. Hildestad, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1950, Serial No. 156,557
4 Claims. (Cl. 60—39.72)



1. In combustion apparatus for a power plant, casing structure forming a combustion chamber through which burning fuel and hot motive gases are propelled at high velocity, a retractible flame-holder assembly normally interposed in said chamber for creating a degree of stagnancy in the gas stream sufficient to effect retention of a flame formation within the combustion chamber, said flame-holder assembly comprising a plurality of radially arranged retractible members, and means operatively connected to the inner ends of said members for effecting outward or inward movement thereof relative to said chamber.

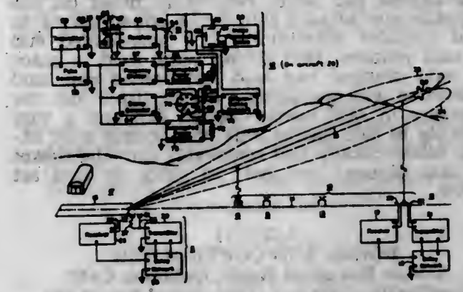
2,572,724
PROPYLENE TETRAMER PRODUCTION
George Putnam Hinds, Jr., Pasadena, and William Keddie Meerbott and Gordon J. Reno, Houston, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 21, 1949, Serial No. 94,602
11 Claims. (Cl. 260—683.15)



1. In a process for the production of propylene polymer wherein normally gaseous hydrocarbons comprising propylene are contacted with a polymerization catalyst at propylene polymerizing conditions in a propylene polymerizing zone, thereby converting propylene to reaction products comprising propylene polymer in said propylene polymerizing zone, and effluence from said propylene polymerizing zone is passed into a product separating zone, the method of increasing the propylene tetramer content of the propylene polymer produced in said process which comprises, separating from said effluence in said product separating zone a normally gaseous fraction comprising propylene, a lower boiling polymer fraction comprising hydrocarbons having from four to seven carbon atoms to the molecule, an intermediate polymer fraction comprising polymers having from eight to ten carbon atoms to the molecule and a higher boiling polymer fraction comprising propylene tetramer, recycling said normally gaseous fraction and said intermediate polymer fraction to said propylene polymerizing zone in the absence of any substantial amount of hydrocarbons having from four to seven carbon atoms to the molecule, and contacting said lower boiling polymer fraction with a polymerization catalyst in a second and separate polymerization zone in the absence of any substantial amount of propylene at olefin polymerizing conditions thereby converting said lower boiling polymer fraction to reaction products comprising polymers having twelve carbon atoms to the molecule.

2,572,725
PATH-INDICATING SYSTEM FOR MOBILE CRAFT
Charles J. Hirsch, Douglaston, N. Y., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application February 15, 1946, Serial No. 647,983
2 Claims. (Cl. 343—6)

1. A path-indicating system for mobile craft comprising: a plurality of spaced beacons effectively positioned along a line disposed in angular relationship to a desired path for transmitting wave-signal information to said mobile craft in the vicinity of said path; an additional beacon effectively positioned at a landing port for transmitting wave-signal information generally along said path to said craft; a first means on said craft for receiving and utilizing the information transmitted thereto from said additional beacon to indicate the electrical distance of said craft from the effective position of said additional beacon and to indicate lateral deviations of said craft from said path; a second means on said craft including a pair of spaced directional antennas for receiving and utilizing the individual responses of said directional antennas to the information transmitted from said additional beacon to indicate the crab angle of said craft with reference to said path; and a third means



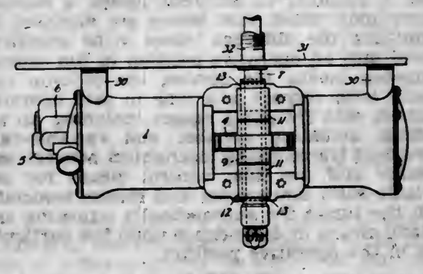
on said craft for receiving and utilizing the information transmitted from the beacon nearest thereto to indicate the electrical distance of said craft from the effective position of said nearest beacon on said line, the effective positions of said plurality of beacons on said line being spaced by distances which reduce to an approximate minimum the number of said plurality of beacons required to cause said last-mentioned indicated distance to correspond to the actual distance to said line for all positions of said craft along said path within a maximum allowable predetermined error, said first and third indicating means being adapted to provide from said first- and second-named wave-signal information a composite correlated indication which shows continuously when each distance is correct for each position of said craft along said path and also to provide continuous indications of vertical and lateral deviations of said craft from said path.

2,572,726
YIELDABLE CONNECTION DEVICE FOR BELT BUCKLES
Seymour I. Hollander, Fairfield, Conn., assignor to Hollander Metal Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application March 29, 1949, Serial No. 84,058
1 Claim. (Cl. 2—322)



In combination; a flexible garment supporting belt having one end folded under about a transverse fold line and secured along its longitudinal edges to provide a generally enclosed longitudinally extending pocket having front and rear sides; and a resilient buckle-connecting device within said pocket comprising a pair of rigid generally flat longitudinal strip members having a transverse dimension less than the transverse dimension of said pocket and slideably connected for relative longitudinal contraction and extension movement, and each having a straight longitudinal channel formation centrally disposed between its side edges providing a straight spring housing recess at its inner side and a straight longitudinal ridge at its outer side, and flat longitudinal margin portions at each side of said channel formation; said recesses of the respective members being in longitudinally aligned complementary relation with each other, said margin portions being in longitudinal sliding engagement with each other in the medial plane of said pocket, and said ridges being in engagement with the respective front and rear sides of said pocket to support them in a straight nonbending relation; one of said members having a spring-engaging abutment at the outer end of its spring housing recess and having a flat extension portion extending longitudinally beyond its inner end and having its side edges inwardly spaced from the side edges of said belt, fastening means fixedly connecting said extension portion to one side of said pocket in the medial plane of said pocket, the other of said members having a spring-engaging abutment at the inner end of its spring housing recess and having an extension portion at its outer end constructed and arranged for attachment to a buckle disposed at least partially outwardly beyond the fold line of said pocket; and a helical compression spring disposed in the longitudinal enclosure provided by said complementary recesses engaged at its respective ends with said spring-engaging abutments and adapted for straight line expansion and compression within said enclosure entirely out of contact with the front and rear sides of said pocket.

2,572,727
SHAFT MOUNTING FOR FLUID MOTORS
Erwin C. Horton, Hamburg, and Earl V. Schaal, East Aurora, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Original application July 13, 1944, Serial No. 544,766, now Patent No. 2,462,192, dated February 22, 1949. Divided and this application March 13, 1948, Serial No. 14,703
6 Claims. (Cl. 121—1)



1. A fluid motor having a casing with a chamber therein, a piston operable in the chamber by fluid pressure, the side of the casing having an opening therein giving access to the chamber, a removable closure for the opening, a transverse shaft journaled in complemental seats in the closure and casing, upstanding lips at the remote ends of the seats, bushings arranged in the seats against the lips and providing support for the shaft, and a gear member die cast upon the shaft and meshing with a rack part of the piston for being actuated thereby, the placement of the

shaft in the seats locating each bushing between the fixedly mounted gear and the adjacent upstanding lip.

2,572,728

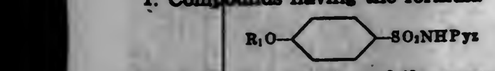
HYDROXYBENZENESULFONAMIDOPYRAZINES AND PREPARATION OF SAME

Martin E. Hultquist, Bound Brook, N. J., and Yellapragada SubbaRow, deceased, late of Pearl River, N. Y., by Aloysius J. Bryant, administrator, South Nyack, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 7, 1949, Serial No. 69,828

5 Claims. (Cl. 260—250)

1. Compounds having the formula



wherein R_1 is a member of the group consisting of hydrogen and acyl radicals and Pyz represents a radical selected from the group consisting of pyrazinyl radicals and quinoxalyl radicals, and salts of said compounds with a cation.

2,572,729

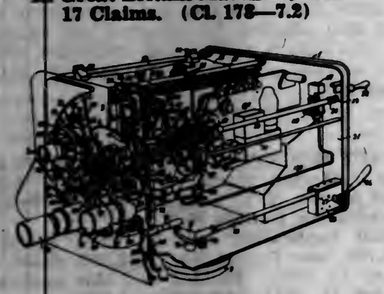
TELEVISION CAMERA FOCUSING MECHANISM

Donald Jackson and John Dudley Francis Green, Cambridge, England, assignors to Pye Limited, Cambridge, England, a British company

Application March 14, 1949, Serial No. 81,234

In Great Britain March 16, 1948

17 Claims. (Cl. 178—7.2)



1. A television camera comprising a pick-up tube, a plurality of different lenses, a movable turret upon which said lenses are mounted for permitting the different lenses to be selectively moved into an operative position in the camera, focussing means for moving the pick-up tube axially with respect to a lens in said operative position, said focussing means including an adjustable actuating member and variable-ratio movement transmitting mechanism between said member and the tube, control means for said variable-ratio mechanism and means associated with the turret for automatically adjusting said control means in dependence upon the particular lens in the operative position.

2,572,730

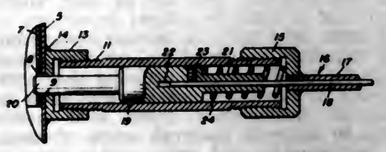
GAS TANK LOCK

Lucille P. Jones and Robert W. Jones, Flint, Mich.

Application June 6, 1949, Serial No. 97,402

2 Claims. (Cl. 292—171)

1. A latching attachment for the filler neck of a gasoline storage tank comprising an open ended cylinder having externally screw-threaded end portions, a cylindrical plunger slidably mounted in said cylinder and having reduced ends, one end of said plunger constituting a latch bolt, the opposite end of said plunger having a socket therein, a set screw in said plunger communicating at right angles with said socket, an internally screw threaded cap removably fitted on one end of said cylinder and having an aperture therein, said latch bolt projecting through said aperture, a second cap of the same design as said first-named cap having an internal screw thread and being centrally apertured, said second-named cap being removably fitted on the opposite end of said cylinder, a coiled spring in said cylinder surrounding the last-named end of said plunger, said spring being held in place by said plunger and said last-named cap, and a Bowden wire including a casing fitted into the aperture in said second-named cap and a wire slidable in said casing, one end of said wire fitting telescopically and removably into the socket in said plunger and held in place by said set screw.



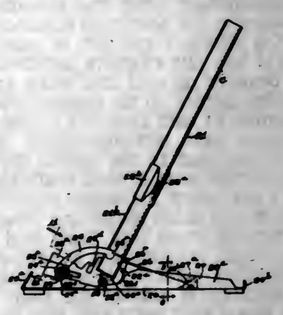
2,572,731

BOOK- AND COPYHOLDER

Arthur Raymond Keith, Oakland, Calif.

Application March 7, 1949, Serial No. 79,996

3 Claims. (Cl. 120—33)



1. A copy holder having a supporting base means, a pivoting means pivotally mounted on the base means, a copy-supporting rack having two sides with substantially similar double bent portions to receive the copy and having two open sides opposite the double bent portions, the pivoting means being connected to the rack with a slot connection for readily and detachably securing the rack and pivoting means together in a plurality of positions in the plane of the rack in either one of two positions at 90° from each other.

2,572,732

SECTIONAL FIELD SHELTER

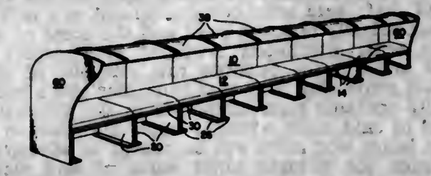
Ben Keklen and Edgar A. Drotning, Seattle, Wash.; said Drotning assignor to said Keklen

Application April 3, 1950, Serial No. 153,674

8 Claims. (Cl. 155—130)

1. A sectional field shelter, comprising: a bench formed by a plurality of seats, each seat having a top portion, a supporting sidewall at each side with an inwardly turned lower edge, and a back wall between said side walls, the top portion having a central concavity and having its front edge

curved downward; a canopy for said bench formed by a plurality of sections, each section extending from behind said bench, up and then curving above said bench, one of the adjoining



edges of said sections extending outward from said bench forming a tongue and the other forming a groove to fit over said tongue; means for securing said sections of said canopy to said seats; means for securing adjoining seats one to another; and an end wall positioned at each end of said bench, having an edge shaped to join with the edge of the adjacent section of said canopy.

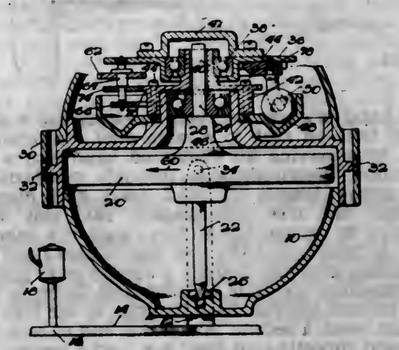
2,572,733

GYRO ERECTING MEANS

Henry Konet, Paramus, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application June 15, 1945, Serial No. 599,535

14 Claims. (Cl. 74—5.44)



1. The combination with a gyro vertical having a rapidly spinning vertically arranged rotor, of an erecting mechanism for maintaining the rotor spin axis in a normally vertical position, a gimbal suspension for mounting the gyro for angular movement about a pair of mutually perpendicular horizontal axes, and means to rotate said suspension about an axis other than the spin axis of the rotor mechanism at a substantially constant and relatively slow rate as compared to the speed of rotation of the rotor, the last-named means causing relative rotation between the erecting mechanism and gyro for the development of erecting forces when the spin axis of the rotor departs from a vertical position.

2,572,734

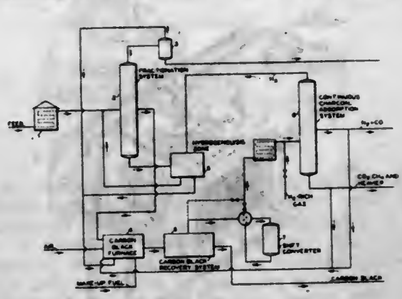
PRODUCTION OF CARBON BLACK FROM HIGH-BOILING AROMATIC OILS OR TARS

Burt R. Kramer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 16, 1949, Serial No. 133,252

3 Claims. (Cl. 23—209.6)

1. A process for the production of a high grade carbon black which comprises in a fractionation zone fractionating a heavy, high boiling aromatic oil derived from a petroleum process, to produce a fraction boiling substantially in the range 400° F.–700° F. and a higher boiling fraction, hydrogenating said higher boiling fraction in a hydrogenolysis zone to produce a fraction boiling in said range of 400° F.–700° F.; passing said treated oil to said fractionation zone; passing said fraction boiling substantially in the range 400° F.–



700° F. to a tangential furnace carbon black producing zone; producing carbon black and gases containing hydrogen, carbon monoxide, and carbon dioxide therefrom therein; quenching the effluent from said tangential burner zone and separating gases therefrom; removing carbon black product from the process; and separating said hydrogen from said gases and passing it to said hydrogenolysis zone.

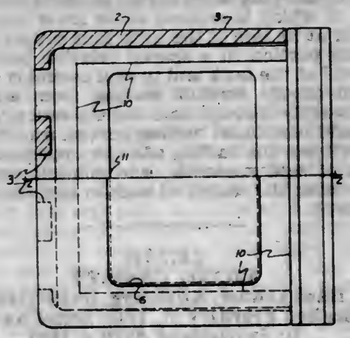
2,572,735

FILM HOLDER

Harry H. Kugel, Erie, Pa., assignor to National Organ Supply Company, Erie, Pa., a corporation of Pennsylvania

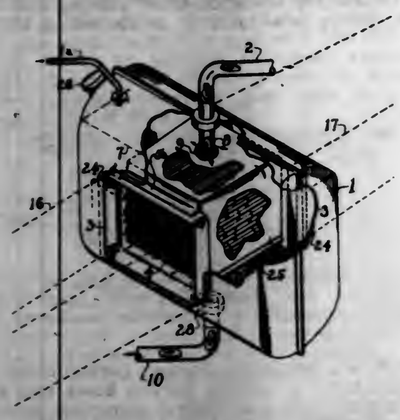
Application February 8, 1946, Serial No. 646,333

5 Claims. (Cl. 40—159)



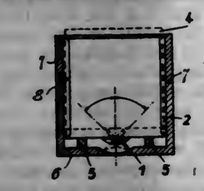
1. In a film mount, a holder having in one face a recess of depth substantially equal to the thickness of a film receiving the unexposed film edges, a shoulder at one end of the recess projecting above the face of the holder for locating one end of the film, a cooperating plate overlying the recess and having a face engaging the unexposed edges of the film and holding the film in the recess and having an end engaging said shoulder said slide and walls having window portions through which the exposed portion of the film is visible, and means holding the holder and plate together.

2,572,736
COMBINATION HEAT EXCHANGER AND RESERVOIR FOR VARIOUS MEDIA LIQUIDS OR GASES
Albert La Vielle Lawbaugh, Maywood, Calif.
Application February 8, 1949, Serial No. 75,236
6 Claims. (Cl. 257—220)



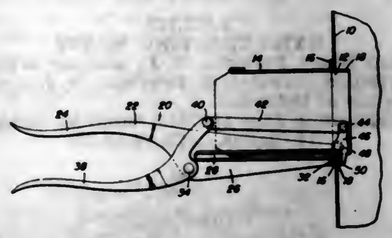
6. In a structure of the kind described, a cooling tank enclosed on all sides, an assembly of slightly spaced apart tubes extending through said tank, pan-shaped headers having bottom portions forming wall portions of the tank, said bottom portions having through them a multiplicity of adjacent openings fitted around the individual tubes of said assembly in a liquid tight manner, the flange portions of said pan-shaped headers projecting outwardly from the tank for connection with air ducts, said assembly of tubes being spaced downwardly from the upper side of the tank thus providing an oil-containing space above the tubes, a baffle including a horizontal portion carrying downwardly directed side flanges each of which is secured at its lower edge to the header at its side of the tank thus supporting said baffling portion in a spaced relation both to the top wall of the tank and to said assembly of tubes, an oil supply conduit leading from an engine downwardly through both the top wall of the tank and said horizontal baffling portion and discharging between the baffling and the uppermost of the tubes of said assembly, and conduit means for conducting the cooled oil back to said engine from said tank.

2,572,737
FILING CABINET
Hans Lehner, Kirchberg, Switzerland
Application February 27, 1948, Serial No. 11,509
In Switzerland April 4, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires April 4, 1965
2 Claims. (Cl. 45—2)



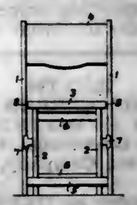
1. In combination with a filing cabinet having an open top container, a series of plates slidably mounted through the opened top of said container and each having a straight lower edge, a rotatable shaft journalled within said container below the straight lower edges of said plates, a plurality of radially extending arms formed with said shaft, said arms being arranged in a pair of diametrically opposite rows and the arms of one row being alternately arranged with respect to the arms of the opposite row, one end of said shaft projecting from said container and a manually operable knob connected to the projecting end of said shaft whereby upon the rotation of the latter said arms will be caused to selectively engage the straight lower edges of said plates for ejecting the latter through the opened top of said container.

2,572,738
HAND CRIMPER
Martin G. Lovinggood, Odessa, Tex.
Application April 29, 1949, Serial No. 90,510
1 Claim. (Cl. 81—15)



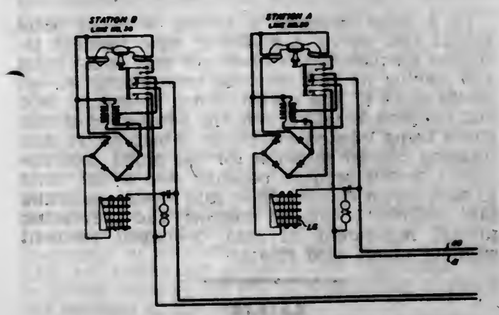
A hand crimper for use in attaching a sheet metal take-off stub to a main duct comprising a first lever having an elongated head and a slot extending longitudinally through substantially the entire length of said head and opening through the free end thereof, said slot being adapted to receive the annular wall of a take-off stub, a fixed jaw at the free end of said head and extending laterally thereof, a second lever pivoted intermediate its ends to said first lever, a first link pivoted intermediate its ends to the free end of said head, a second jaw at one end of said first link and opposite said fixed jaw, and a second link terminally pivoted to said second lever and to the other end of said first link.

2,572,739
FOLDING CHAIR
Aksel Aabye Madsen, Ejby, Denmark
Application January 16, 1946, Serial No. 641,492
In Denmark March 2, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 2, 1962
4 Claims. (Cl. 155—143)



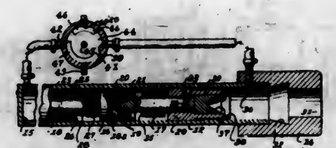
1. A folding chair of the type having a rigid seat whose rear end slides downwardly when said chair is folded up, which comprises, in combination, a pair of front legs, said legs extending upwardly to form a back for said chair, a pair of rear legs, said rear legs crossing said front legs and being pivotally connected thereto, a rigid seat, a pair of side stringers having slotted grooves in the sides secured to the underside of said rigid seat at each side thereof, said side stringers being pivotally connected at their front ends to said rear legs, said side stringers being also pivotally connected at their rear ends to the upper part of said front legs, said last-named pivotal connection, between said side stringers and said front legs, including a pivot on the inner side of each of said front legs cooperating with said slotted grooves formed in the sides of said side stringers, said front legs and said rear legs being positioned at such a distance from each other that when said chair is being folded up, said side stringers at each side of said rigid seat will take up a position in the space between said front legs and said rear legs along the respective sides of said chair, said side stringers, when said chair is folded up and the rear end of said rigid seat slides downwardly, extending beyond said pivotal connection between said front and rear legs, said pivotal connection permitting said side stringers to enter the space between said front legs and said rear legs so that said side stringers and folded legs lie substantially in a single plane when said chair is folded up, a U-shaped mounting member secured to said front legs and said rear legs of each pair, said U-shaped mounting member being pivotally secured to said front leg so as to provide a pivotal connection between said front and rear legs of each pair, the opening in said U-shaped mounting member being adapted to receive a side stringer of said seat when said chair is folded up with said stringers and said folded legs lying substantially in a single plane.

2,572,740
PRIVATE BRANCH EXCHANGE TELEPHONE SYSTEM
William A. Malthaner, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 10, 1948, Serial No. 26,028
8 Claims. (Cl. 179—18)



1. In a telephone system, a plurality of stations each having an alternating-current signaling device, a plurality of trunks, means responsive to a signal from the signaling device at one of said stations for selecting one of said trunks, means for verifying the identity of said station, means operative in response to the verification of the identity of said station by said last-mentioned means and responsive to other signals from said signaling device for transmitting over said trunk direct-current impulses corresponding to said signals, and means for thereafter connecting said station to said trunk.

2,572,741
STOCK-BAR FEED FOR MACHINE TOOLS
James H. McCoy, Chicago, Ill., assignor to O K Specialty Co., Inc., a corporation of Illinois
Application January 3, 1948, Serial No. 1,109
6 Claims. (Cl. 29—59)



3. In combination with the live spindle of a machine tool, a feed tube arranged in axial continuation of the spindle, a piston movable in the tube, a stock-bar ejecting plunger operatively connected with the piston, a traveler slidable axially and angularly in the tube and embracing the forward end of the plunger, radial pins carried by the traveler and engageable in a seat on the plunger, and cooperating means on the tube and traveler for releasing the pins from their seat when the traveler is at the discharge end of the tube, so that the plunger may be projected into the spindle.

2,572,742
EMERGENCY BRAKE OPERATED SWITCH
Archie C. Miller, Ramsey, Ill.
Application November 12, 1948, Serial No. 59,536
1 Claim. (Cl. 200—59)



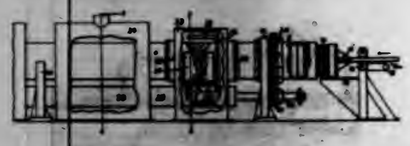
A switch for indicating when the emergency brake of a vehicle has been applied, said switch comprising a base member, an elongated cylindrical housing mounted on said base member and including first and second end walls, said housing having a transverse slot therein adjacent said first end wall, an angulated grounding plate including first and second portions, the first portion of said plate being fixed to said housing and the second portion of said plate being received in said slot and having a central opening, a conductive member slidably carried by the first end wall, a spring urging said conductive member toward said grounding plate, a cylindrical member slidably mounted in said housing and disposed between said grounding plate and the second end wall, said cylindrical member having a reduced extension slidably received in the opening in said grounding plate, an operating cord secured to said cylindrical member and slidably carried by the second end wall, and a further spring urging the cylindrical member toward the grounding plate and the reduced extension through the opening in said grounding plate and against the conductive member to space the conductive member from the grounding plate until the cord is pulled to move the cylindrical member away from the grounding plate.

2,572,743

APPARATUS FOR USE IN THE TREATMENT OF ARTICLES

John Cruickton Mills, Wolverhampton, England

Application November 21, 1947, Serial No. 787,408
In Great Britain December 7, 1946
9 Claims. (Cl. 91—12.2)



1. Apparatus for use in treating metal articles with a powdered coating and impregnating mixture comprising a heating furnace, a mixture adding chamber, an excess mixture extracting chamber, a tube through which said articles and said mixture are passed, means for rotating said tube, said tube extending first through said mixture adding chamber then through said furnace and said excess mixture extracting chamber, openings of sufficient size to permit the passage of said mixture in the parts of said tube which are located in said mixture adding chamber and in said extracting chamber, and means for conveying excess mixture from said excess mixture extracting chamber to said mixture adding chamber.

2,572,744

BINARY ASPHALTIC PARTICLES

Gilman B. Mellring, Los Angeles, Calif.

No Drawing. Application August 27, 1949, Serial No. 112,244
8 Claims. (Cl. 196—152)

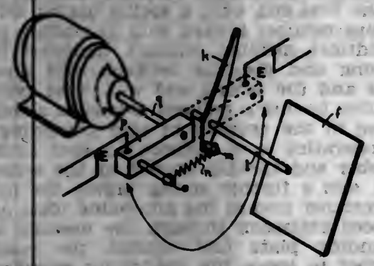
1. As an article of manufacture, a binary asphaltic particle, substantially spherical in shape, comprising an inner core consisting of relatively low melting point asphalt and an outer shell of relatively high melting point asphalt, the inner surface of said shell being adherent to the outer surface of the asphaltic core by fusion thereon, the outer surface of said shell being non-adherent under normal temperatures and pressures.

2,572,745

DEFLECTING SWITCH MEANS FOR CHUTES

Harold Kenneth Moneypenny, Codsall, Wolverhampton, Gordon Howard Townend, Bilbrook, Wolverhampton, and Frank Beardsmore, Brierley Hill, England, assignors to Guest Keen & Nettlefolds Limited, London, England

Application February 7, 1949, Serial No. 75,044
In Great Britain February 13, 1948
2 Claims. (Cl. 193—31)



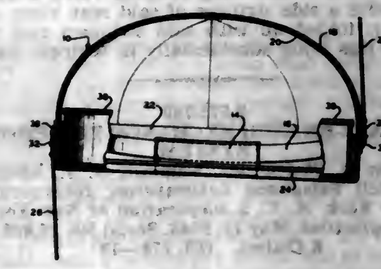
1. In apparatus for counting small articles into groups of predetermined quantities, means for deflecting articles comprising a trackway along which the articles are caused to travel, two branch tracks associated with the discharge end of said trackway, a deflector device including a lever for changing the position of the deflector device to divert the articles from one branch track to the other, a tension spring which operates said lever to effect the changes of position of the deflector device, an electro-magnet the armature of which operates as an escapement to control the movement of the deflector lever and which is adapted to be energised each time a predetermined number of articles has passed a given point in the trackway to cause the armature to trip the deflector lever and allow the tension spring to operate the lever to change the position of the deflector device, and means for restoring the tension of the spring and reversing its direction of pull on said lever ready to effect the next change of position of the deflector device when the lever is again tripped by the armature, such tension restoring and direction reversing means for the spring including a reversible motor the circuit of which is completed by the deflector arm after each change of position of the deflector and is automatically broken when the direction of pull of the spring has been reversed.

2,572,746

EAR MUFF ARRANGEMENT FOR CAPS

Morton W. Mougel, Middletown, N. Y.

Application July 25, 1950, Serial No. 175,745
1 Claim. (Cl. 2—209)



In a head covering a crown, a sweat band within said crown, a relatively rigid resilient U-shaped member located beneath said sweat band and having its end portions terminating at opposite sides of the crown, rivets attaching said end portions to said crown, the outer ends of said rivets being located exteriorly of said crown and forming pivotal supports for ear muffs, and encasing means secured beneath said sweat band to said crown intermediate said rivets encircling said resilient U-shaped member and preventing pivotal movement of said U-shaped resilient member about said rivets.

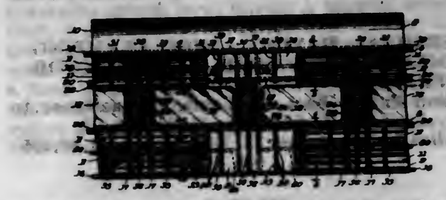
2,572,747

VEHICLE SIDE WALL CONSTRUCTION

Frank L. Murphy and James E. Candlin, Jr., Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application August 9, 1944, Serial No. 548,682
4 Claims. (Cl. 105—401)

1. In vehicle side wall construction including an imperforate girder sheet, vertical and horizontal framing members welded to the inner face of said girder sheet, window openings in said girder sheet between certain of said framing members, vertical rigidifying members welded to the outer face of said girder sheet in areas between said vertical framing members and of a length to overlap said horizontal framing members, said rigidifying members being disposed in



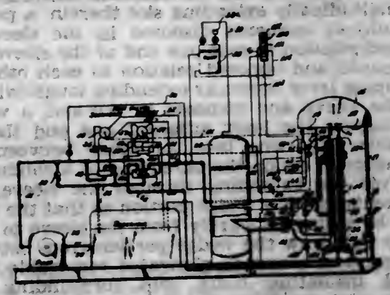
substantial alignment above and below the window openings, and sheathing elements detachably secured to the rigidifying members by means spaced from said girder sheet and leaving the girder sheet imperforate.

2,572,748

HYDRAULIC PUMPING UNIT

Paul E. Noll, Pasadena, and T. Dwight Aller, San Gabriel, Calif., assignors to Consolidated Western Steel Corporation, Los Angeles, Calif., a corporation of Delaware

Application November 6, 1948, Serial No. 58,714
9 Claims. (Cl. 60—52)



1. A hydraulic pumping unit comprising: a reservoir; a power driven pump receiving fluid from the reservoir; a four-way valve having a pressure port connected to the pump output and having an exhaust port connected to the reservoir; a cylinder containing an actuating ram and being connected to the four-way valve for reciprocation of the ram, a by-pass valve connected between the pump output and the reservoir in parallel with said four-way valve; an automatic actuator for operating the by-pass valve as the ram approaches the end of each stroke in either direction, whereby the fluid delivered to the four-way valve is gradually reduced to decelerate the hydraulic ram prior to reversal and gradually increased to accelerate the ram after reversal; and an automatic actuator for operating the four-way valve at the end of each stroke to cause the reversal of the ram.

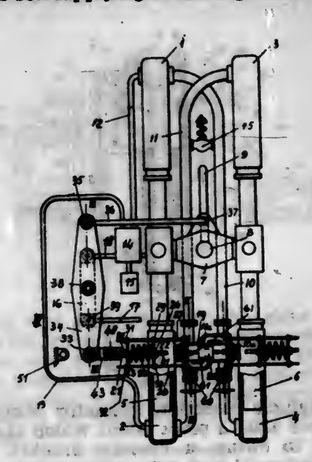
2,572,749

HYDRAULIC STEERING DEVICE

Pieter Jacobus Noordeman, Rotterdam, Netherlands

Application July 31, 1947, Serial No. 765,060
In the Netherlands June 21, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires June 21, 1966
10 Claims. (Cl. 60—52)

1. A hydraulic steering mechanism comprising in combination, steering means arranged for controlling the rudder of a vessel, a first hydraulic system associated with said steering means for moving said steering means in a first direction, a second hydraulic system operable for moving said steering means in a second direction, pumping means for supplying actuating fluid to either



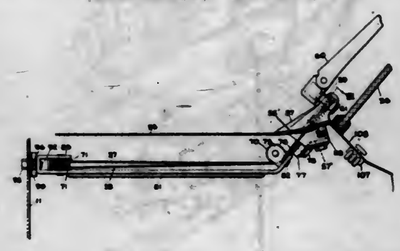
of said hydraulic systems, and yielding means interposed between said hydraulic systems and arranged in response to accidental increase in pressure in either of said systems temporarily to increase the volume capacity of the system in which the accidental increase occurs.

2,572,750

WINDSHIELD CLEANER MECHANISM

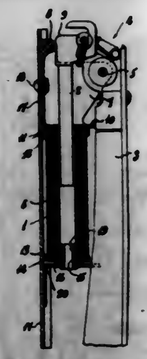
John R. Oishei, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application August 21, 1944, Serial No. 550,327
20 Claims. (Cl. 15—253)



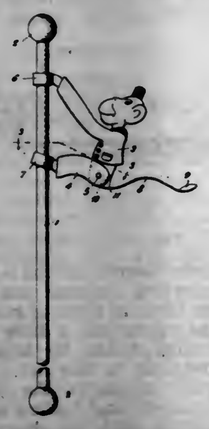
1. A windshield cleaner having a cowl mounted and shaft supporting housing and supporting a wiper actuating shaft in front of and substantially normal to the windshield, a drive means having a drive shaft with means for imparting rotary oscillating movement to the drive shaft, power transmitting cable means for the wiper actuating shaft secured thereto and having opposite reach portions connecting with the drive shaft at angularly spaced points thereon whereby to exert a pulling force alternately upon the two reach portions for oscillating the wiper actuating shaft, spaced cable guiding means interposed between the drive shaft and the wiper actuating shaft for guiding the cable means with respect thereto, and a sustaining spacer supporting the two guiding means adjacent the drive shaft and the wiper actuating shaft respectively.

2,572,751
VEHICLE DIRECTION INDICATOR
William Edward O'Shea, London, England
Application April 24, 1948, Serial No. 22,993
In Great Britain April 26, 1947
6 Claims. (Cl. 177—329)



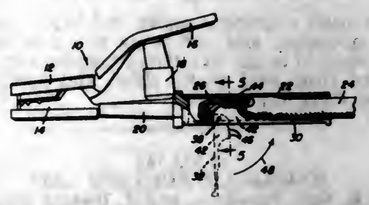
1. A vehicle direction indicator comprising a semaphore arm, a pivot about which said arm is adapted to swing, a bearing bracket for said pivot, a solenoid core tube constructed as an integral die-casting with the said bearing bracket, a solenoid coil wound on said core tube, an armature movable in said core tube, mechanism coupling said armature to said semaphore arm to actuate said arm by the movements of said armature, and a front stop formed integral with said casting and adapted to engage with the arm when the latter is in its non-displayed position.

2,572,752
INERTIA-OPERATED CLIMBING TOY
Robert K. Ostrander, South Orange, N. J.
Application May 24, 1947, Serial No. 750,343
7 Claims. (Cl. 46—132)



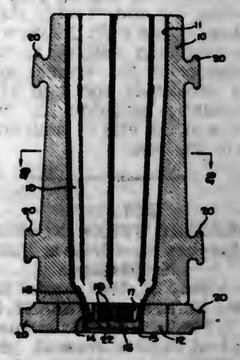
1. A toy comprising, a rod, a climbing figure consisting of two relatively movable parts, each of said parts including a loop loosely encircling said rod, the second of said loops having its effective diameter and axial length so correlated with the rod diameter that the loop binds on the rod when tilted axially, and a freely vibrating resilient member connected to one of said parts in position to move back and forth in directions that transmit tilting force to the second of said loops and by such coaction alternately binding and releasing the second of said loops on the rod.

2,572,753
TERMINAL HAVING LEVER CLAMPING MEANS TO SECURE A CONDUCTOR THERETO
William Pahal, East St. Louis, Ill., assignor to Leslie V. W. Schrader, Belleville, Ill.
Application November 15, 1948, Serial No. 60,095
2 Claims. (Cl. 173—269)



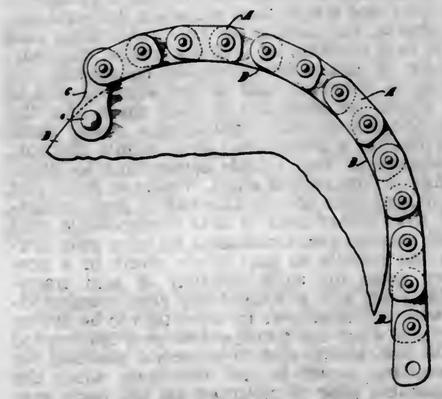
1. An electrical connector for use with an electrode holder comprising, an elongated electrically conductive sleeve for receiving an insulated conductor in one end thereof, said sleeve having a longitudinally extending slot therein, a pair of cylindrical segments disposed in the sleeve in spaced relation to said one end of the sleeve and in spaced and opposed relation to each other, a clamping lever normally extending longitudinally of the sleeve and disposed in the slot, a wedge portion on the lever adjacent one end thereof slidably projecting into the space between the segments to clamp the bared end of a conductor, a pivot pin extending through the sleeve, the segments and the wedge portion so that the lever may be swung outwardly from the sleeve to partially withdraw the wedge portion from between the segments, and an elongated removable electrical insulating hand grip surrounding the sleeve and retaining the lever against outward swinging movement.

2,572,754
INGOT MOLD SPLASH BOWL
William R. Patterson, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1949, Serial No. 78,777
6 Claims. (Cl. 22—143)



6. In an apparatus for casting metal ingots, including an upright mold having a central opening extending therethrough to receive a stream of molten metal, and a stool plate supporting the mold and provided with a central aperture having tapered walls, the improvement comprising: a massive splash bowl having a tapered external surface adapated to fit within said tapered walls, the splash bowl forming the lower end of the mold opening, the splash bowl having walls and a floor formed integrally therewith to define an outwardly opening cavity, and a plurality of spikes fixed on the floor and extending upwardly into the cavity.

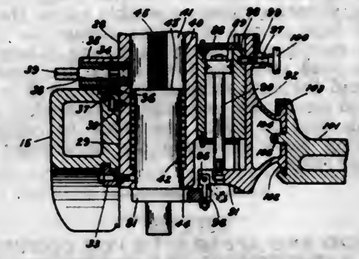
2,572,755
BALANCE CHAIN
Harold S. Pierce, Indianapolis, Ind., assignor to Link-Belt Company, a corporation of Illinois
Application March 1, 1948, Serial No. 12,290
12 Claims. (Cl. 74—216.5)



1. A balance chain comprising, a multiplicity of link plates forming each pitch of the chain with each link plate having a smooth unbroken contact edge and a pitch hole through each of its end portions, the axis of one of said pitch holes being spaced a greater normal distance from said contact edge than the axis of the other pitch hole, and articulating joint pins passing through the pitch holes that are spaced a greater distance from the contact edge of the link plates in one pitch and the pitch holes that are spaced a lesser distance from the contact edge of the link plates of the adjacent pitch to connect the end portions of adjacent pitches.

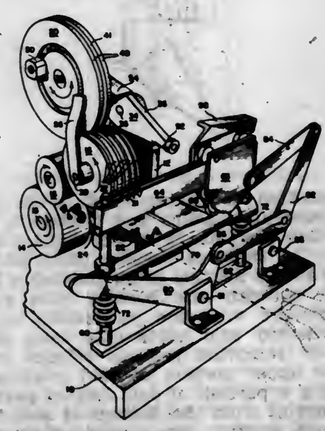
2,572,756
COMBINED MACHINE TOOL
Alfred G. Plimmer and Frederick J. Kistner, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application October 7, 1947, Serial No. 778,308
3 Claims. (Cl. 29—26)

1. In a machine tool having a work support and means for supporting a tool spindle in operative relation to the work support including a spindle carrier adjustably mounted on the machine and a quill slidably mounted in the carrier and journaling the spindle for movement therewith, the combination of means for controlling the movement of the quill including a cylinder integrally attached to said carrier, a piston rod and a piston slidably mounted in the cylinder for movement parallel to the axis of the quill, hydraulic means for actuating the piston, a slide supported and guided by said carrier for movement parallel to the quill, means connecting the piston rod to said slide, means for connecting and disconnecting the slide to said carrier, and other means for



connecting and disconnecting the slide to said quill whereby when the slide is disconnected from the carrier and connected to the quill they may be jointly actuated by said piston, and when the slide is connected to the carrier and disconnected from the quill, the quill is movable independently of the slide.

2,572,757
MECHANISM FOR DISPENSING MEASURED LENGTHS OF TACKY TAPE
Clyde C. Powell and Walter R. Powell, Seattle, Wash.
Application January 18, 1949, Serial No. 71,464
2 Claims. (Cl. 164—77)



1. In a dispenser for tacky tape spooled in a roll with the tacky side inward, an idler roller mounted to turn about a fixed axis in contact with the tacky surface of a tape moving thereby, means for holding a supply of tacky tape and for delivering the same with the tacky side in contact with said idler roller to cause the latter to revolve when the tape is withdrawn from the dispenser upon direct manual pull on the outer end of the tape, a measuring roller mounted to turn from a normal position with its periphery in normal frictional contact with said idler roller and out of contact with said tacky tape, a lever for supporting said measuring roller, said lever being pivoted about an axis offset from but parallel to the axis of said measuring roller and having an arm thereon extend-

ing outwardly to that side opposite said measuring roller, means for urging said measuring roller into contact with said idler roller, means for limiting forward rotation of said measuring roller, means for biasing said measuring roller for backward rotation to the normal position, means for limiting backward rotation of said measuring roller past its normal position, a reciprocal shearing means operable across the path of said tape to cut the same, means for reciprocally moving said shearing means, means carried by said shearing forming an inclined surface, said inclined surface being located to contact said outwardly extending arm during reciprocation and to move the same to cause the measuring roller to swing out of contact with said idler roller.

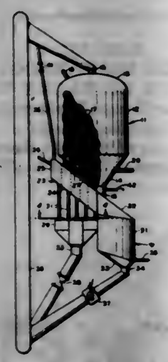
2,572,758

METHOD AND APPARATUS FOR CONVERTING AND QUENCHING HYDROCARBONS

Donald J. Quigg, Bartlesville, Okla., and Carl E. Alleman, Cactus, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

Application October 24, 1949, Serial No. 123,266

12 Claims. (Cl. 23—1)



11. A method for reacting fluids in the presence of hot particulate solids and quenching resulting reaction products, which comprises in combination the steps of passing particulate solid material into a heating zone; passing a hot gas upwardly through said heating zone in direct heat exchange with said particulate solid material, whereby said particulate solid material is heated; removing gaseous effluent material from the upper portion of said heating zone; gravitating a portion of said heated particulate solid material from the bottom of said heating zone into a reaction zone; introducing reactant fluid into the lower portion of said reaction zone and reacting said materials in the presence of said heated solids; gravitating other portions of said solid heat exchange material from selected points throughout the vertical length of said heating zone and at different temperatures to a quenching zone; passing resulting reaction products from said reaction zone transversely and successively through said other solid heat exchange material portions of said particulate solid material from the material portion at the highest temperature through the material portion at the lowest temperature; removing quench products from said quenching zone; gravitating said solid material from said reaction zone; and gravitating said solid material from said quenching zone.

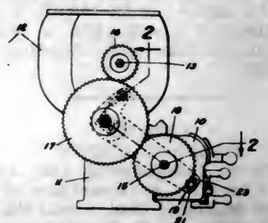
2,572,759

SCREW-CUTTING LATHE

Eugene L. Ritter, Cincinnati, Ohio, assignor to The Cincinnati Lathe & Tool Co., Cincinnati, Ohio, a corporation of Ohio

Application September 3, 1948, Serial No. 47,667

6 Claims. (Cl. 74—325)



1. In a screw cutting lathe having a spindle, a variable speed mechanism including first and second shafts, and means for interconnecting said shafts in a plurality of different ratios, the combination of means for selectively connecting the spindle to either of said shafts whereby one of said shafts becomes the driving shaft and the other the driven shaft including a power input shaft having a permanent gear couple thereon, a transposable gear couple connectible to either the first or the second shaft, means to shift said first-named gear couple alternately into engagement with either gear of said transposable gear couple, change gears including an idler gear coupling the spindle to said power shaft in a prescribed ratio for each position of said transposable gear, and a translating gear compoundable with the idler gear in a position to be driven therefrom when the transposable gear is mounted on the first shaft, and in a second position for transmitting power to the idler gear when the transposable gear is mounted on the back gear shaft.

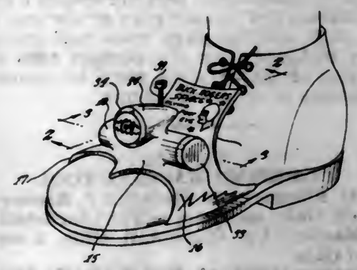
2,572,760

ILLUMINATED SHOE DEVICE

Nathan Rikelman, Bronx, N. Y.

Application January 15, 1948, Serial No. 2,367

3 Claims. (Cl. 36—1)



1. An illuminated shoe device comprising a body having portions adapted to be extended about a shoe to fix the device thereto, a battery casing portion adapted to receive a battery, said battery casing portion extending transversely of the device, a lamp portion projecting upwardly from the battery casing portion and having a longitudinal opening therein, a lamp bulb fixed within the opening and having an electric terminal, a conductor extending from the lamp bulb to the battery casing portion, a battery within the casing portion having a terminal in engagement with the conductor, a second conductor extending from the opening in the lamp portion of the body to the battery, and means extending from said second conductor for engagement with the lamp bulb terminal periodically as the shoe having the device thereon is moved whereby to cause the light to be blinked.

2,572,761

METHOD AND TECHNIQUE OF FOOD DRYING

Eugene Rivoche, Washington, D. C.

No Drawing. Application July 26, 1949, Serial No. 106,959

3 Claims. (Cl. 99—199)

1. The method of treating a moisture-containing foodstuff which includes the steps of cooking the foodstuff, subjecting the cooked foodstuff to a freezing operation while it still contains a large amount of the heat resulting from the cooking operation, the freezing being sufficiently rapid that the surface portions of the foodstuff are frozen while the interior portions thereof contain a substantial amount of the heat of the cooking operation, whereby water vapor evaporates from the cells in the interior portions of the foodstuffs after the exterior portions are frozen and condenses between the cells thereof, continuing the freezing until the foodstuff is substantially completely frozen, reducing the completely frozen foodstuff to small, discrete, solid particles, and drying the discrete, solid particles.

2,572,762

PROCESS OF PRESERVING MOISTURE-CONTAINING CELLULAR FOODSTUFFS

Eugene Rivoche, Washington, D. C.

No Drawing. Application September 16, 1949, Serial No. 116,220

12 Claims. (Cl. 99—199)

1. The method of drying a moisture-containing foodstuff which comprises cooking the foodstuff, freezing the cooked foodstuff, reducing the solid content of the foodstuff to small, discrete particles, initiating the drying of said discrete particles after they have thawed and while they are surrounded by a free edible aqueous liquid, and continuing the drying operation until a dry product is obtained.

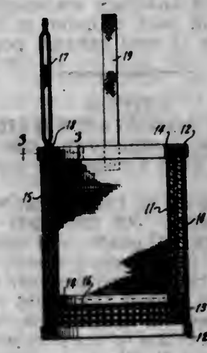
2,572,763

LIVE FISH BAIT CONTAINER

Harvey E. Robertson, Dallas, Tex.

Application April 12, 1948, Serial No. 20,500

1 Claim. (Cl. 43—55)



A fish bait container including, an outer metal mesh shell of cylindrical form, a ring secured on the interior of said shell on the wall thereof, said ring having a vertical portion and a horizontal bottom, the latter being spaced from the bottom of the shell, a disk of metal mesh supported on the horizontal bottom and abutting the vertical wall, a cylindrical member of metal mesh of smaller diameter than the ring having its lower edge portion secured to the disk in spaced relation to the vertical wall of the ring, a fabric moisture-holding material secured to the cylindrical member exteriorly thereof in abutting relation with the disk and the vertical wall of the ring, and a cloth cover having one edge thereof embedded in the fabric moisture-holding material and constituting means to raise and lower the cylindrical member and fabric material relative to the shell.

2,572,764

AUXILIARY WINDOW SASH

Irvin A. Rogers, Don S. Rogers, and Arthur T. Rosenberg, Detroit, Mich., assignors to Winterseal Corporation, Detroit, Mich., a corporation of Michigan

Application January 5, 1949, Serial No. 69,392

3 Claims. (Cl. 20—55)



1. An auxiliary window sash comprising a hollow rectangular frame of uniform channel section and having one side of said channel section longer than the other, the longer side being outward, lips extending outward from the free edges of said section in vertical planes, the lip on the longer side being adapted for attachment to a supporting structure, a retaining strip secured to the top of said frame and extending downward in spaced and parallel relation to the lip on the shorter side of said section at said top, a panel frame fitted in the first frame and having its upper edge slidably fitted between said retaining strip and the last named lip, and a downwardly opening angle member carried by the lower edge of said panel frame and adapted to receive snugly the lip on the on the shorter side of said channel section at the bottom side of said rectangular frame.

2,572,765

FRICTION GENERATOR

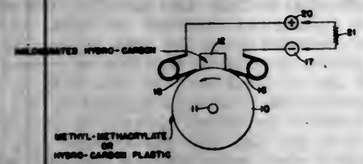
Jean Roudaut, New York, N. Y., assignor to Chatham Electronics Corporation, Newark, N. J., a corporation of New Jersey

Application March 3, 1950, Serial No. 147,492

11 Claims. (Cl. 171—328)

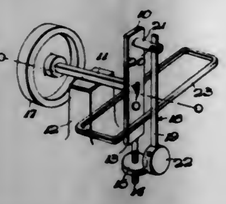
1. A friction generator comprising, a rotor made of insulating material, a pad resiliently pressed into contact with the rotor, two brushes for conducting generated electrical charges to

output terminals, said brushes comprising conductors in contact with the rotor on either side of said pad, and means for turning the rotor in either direction.



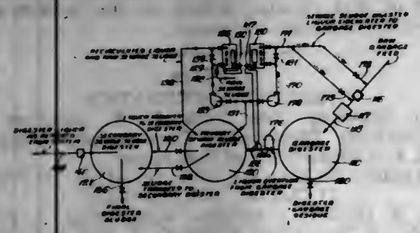
8. A friction generator comprising, a rotor made of methyl-methacrylate, a pad of halogenated hydrocarbon plastic in fibrous form resiliently pressed into contact with the rotor, two brushes for collecting generated electrical charges, said brushes comprising conductors in contact with the rotor on either side of said pad, and means for turning the rotor in either direction.

2,572,766
PENDULUM DEVICE
Gregory V. Rylsky, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application January 25, 1945, Serial No. 574,576
10 Claims. (Cl. 33—220)



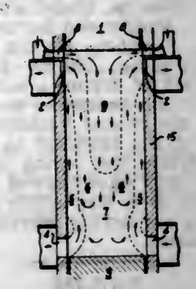
1. In a device for indicating a plane having a predetermined attitude, a support having a member for indicating the plane, means mounting said support for rotation about an axis extending through its center of gravity, and a pendulous member suspended from said support at a point above said axis and having its center of mass positioned below said axis.

2,572,767
METHOD AND APPARATUS FOR DIGESTING GARBAGE AND SEWAGE SLUDGE
Harry E. Schlenz, Glencoe, Ill., assignor to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois
Application November 18, 1948, Serial No. 60,753
11 Claims. (Cl. 210—2)



1. The method of digesting sewage sludge and garbage simultaneously which comprises the steps of feeding sewage sludge to a digestion zone substantially sealed against the admission of air for anaerobic digestion therein, feeding garbage to a digestion zone separated and distinct from said sewage sludge digestion zone and substantially sealed against the admission of air for anaerobic digestion therein, withdrawing digester liquor from said sewage sludge digestion zone, continually supplying such withdrawn digester liquor to said garbage digestion zone at a rate sufficient to maintain anaerobic digestion of the garbage in said garbage digestion zone, heating said withdrawn liquor of digestion to a temperature whereby when such heated liquor is mixed with the contents of the garbage digestion zone the temperature of said contents is approximately the optimum for digestion, returning overflow digester liquor from said garbage digestion zone to said sewage sludge digestion zone for remixture with and conditioning similarly to the digester liquor in said sewage sludge digestion zone, discharging overflow liquor and digested sludge from said sewage sludge digestion zone, and discharging non-digestible residue from said garbage digestion zone.

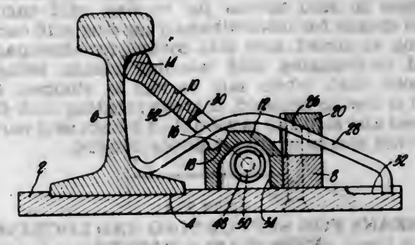
2,572,768
TWO-STROKE INTERNAL-COMBUSTION ENGINE
Jean Schneeberger, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland, a corporation of Switzerland
Application May 5, 1948, Serial No. 25,267
In Switzerland May 22, 1947
6 Claims. (Cl. 123—65)



2. In a two-cycle internal combustion engine, a working cylinder, tangentially directed main scavenging air inlet ports, at one end of said cylinder, gas exhaust ports at the other end of the cylinder, and auxiliary scavenging air inlet ports disposed in said cylinder in longitudinal direction outside of said exhaust ports.

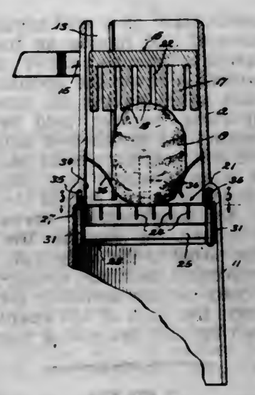
2,572,769
AUTOMATIC ADJUSTABLE RAIL BRACE
Arthur R. Schulze, Youngstown, Ohio, assignor to United States Steel Company, a corporation of New Jersey
Application August 12, 1949, Serial No. 109,980
3 Claims. (Cl. 238—292)

1. An automatic adjustable rail bracing device comprising a tie plate having a seat portion for the base of the rail, a stop member fastened to the tie plate and spaced from said rail, an adjustable brace bearing against the rail and extending in the direction of the stop member from the rail toward the tie plate, means for limiting longitudinal movement of the brace, means for limiting vertical movement of the brace, said stop member and brace being separated to provide a space therebetween which is wider at one end than at the other, a wedge in said space bearing against said stop member and against said brace to hold the brace against said rail, said brace having its lower end resting on said wedge and its upper end beneath the rail head whereby vertical movement of the wedge is limited, said wedge



having a longitudinal downwardly facing opening therein terminating in a transverse abutment adjacent the narrow end, a relatively stationary transverse abutment in said space adjacent the wide end thereof, and a spring in said longitudinal opening bearing against both of said abutments to urge the wedge longitudinally in the direction of its narrow end, and hold down means for holding said rail on said tie plate.

2,572,770
VEGETABLE SPLITTER
Laurine R. Shadduck, Chicago, Ill.
Application July 16, 1949, Serial No. 105,140
3 Claims. (Cl. 146—169)



1. In apparatus suitable for domestic utility adapted to be constructed as a mono-block moulding tapering downwardly and outwardly at a shallow angle and which comprises an upstanding shell-like housing having a continuous vertical passageway of cylindrical cross section interiorly thereof forming a vegetable receiving chamber and having diametrically aligned vertically positioned slots therein, and which merges at an intermediate level through a downwardly facing shoulder into a discharge chamber portion of substantially square cross-section, whereby chamber capacity is achieved in said discharge chamber portion for accommodating the vegetable splittings to an extent commensurate with the quadrangular periphery, a system of coordinately arranged splitting knives consisting of two parallel groups of knife blades, one group being positioned at substantially right angles to the other, with the blades of each group spaced according to predetermined dimensions, said system of knives being embedded in a perimetric defining frame which is removably anchored upon said downwardly facing shoulder, a plunger member for pushing whole vegetables from said vegetable-receiving chamber through said system of knives into the discharge chamber portion comprising a ram portion consisting of a body slidably received for vertical reciprocation in said vegetable-receiving chamber and divided by intersecting slots therethrough which register with the knife blades of both parallel groups of the system into protuberant subdivisions of length sufficient to penetrate the combined depth of said coordinate system of splitting knives, and a pusher yoke integral with said ram portion consisting of oppositely extending portions of reduced width constrained for guidance in the vertically positioned slots in the shell-like housing, and pressure handles on the outer ends of said oppositely extending portions for exerting operating force on said ram.

2,572,771
STENCILING APPARATUS FOR CHARGING MOLDS
Sam Silberkraus, Riverdale, and George Trojanowski, Brooklyn, N. Y., assignors to Regal Molding Co., Inc., Mineola, N. Y.
Application April 8, 1948, Serial No. 19,672
7 Claims. (Cl. 18—30)

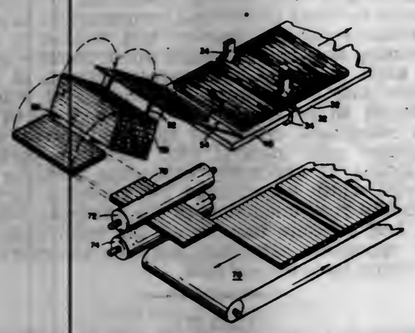


7. In apparatus of the class described a frame, a board slidably mounted on said frame by a pin and slot connection, whereby the sliding movement of the board is limited, a holding board mounted on the frame in overlapping relation with respect to the first mentioned board, a stencil board mounted on the frame and overlying said holding board in the stenciling position of the apparatus, apertures in said first-mentioned board and in said holding board of slightly larger size than the blanks to be molded, whereby the blanks may be inserted through the apertures in the first-mentioned board into the apertures of the holding board when said apertures are in registry, a hand grip mounted on said first-mentioned board whereby said first-mentioned board may be moved horizontally relative to the holding board, the slot in the first mentioned board being of a length less than the diameter of the apertures in said first-mentioned board, so that said first-mentioned board will slide only until its apertures are partially out of register with the apertures of the holding board and the whole apparatus may be reversed without dumping the blanks, said stencil board having apertures in which one dimension is smaller than the corresponding dimension of the blanks to be molded and which are in the shape of the pattern that is to be stencilled on the blanks.

2,572,772
METHOD OF PRODUCING COMPOSITE BOARDS
Per F. Skoog, Olympia, Wash.
Application April 25, 1950, Serial No. 157,929
6 Claims. (Cl. 154—116)

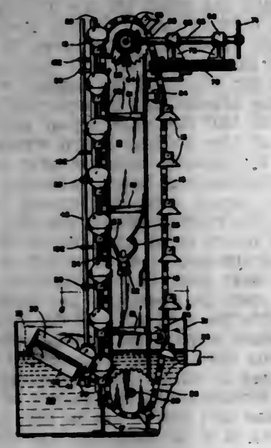
1. In the assembling of pluralities of wooden sticks of substantially uniform rectangular

cross-section into a board in which said sticks are arranged in substantially parallel relationship with a film of adhesive disposed between adjacent faces, the method, comprising: aggrouping a plurality of sticks in side-by-side relationship to form a group, applying an adhesive film to a transverse face of said group, racking said group so that the adhesively filmed face of the group lies in an upright plane, sequentially re-



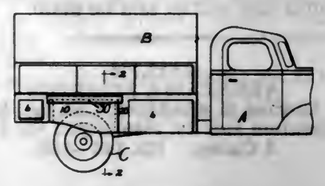
peating the operation for other similar groups and racking each in the manner of preceding groups alongside thereof so that the adhesive films are disposed between sticks of adjacent groups whereby said assembled groups form a rectangular stack, and sequentially unstacking said stack by tiers formed of pluralities of sticks having adhesive films between their adjacent faces.

2,572,773
ARTICLE ORIENTING MECHANISM
Clarence P. Slagle, Selah, Wash.
Application October 29, 1949, Serial No. 124,370
8 Claims. (Cl. 198—33)



1. A mechanism for orienting a generally spherical article having at least one indentation in its surface, comprising: a cup-like carrier for supporting such an article, said carrier having an opening in the base thereof; a rotatable shaft associated with said carrier below its article-supporting surface; a driven wheel on said shaft extending through said slot such a distance that the driven wheel will make contact with such an article except when the indentation of the article is contiguous with said wheel; a drive wheel on said shaft external of said carrier; a reciprocally movable upright rail in contact with said drive wheel; means for intermittently moving said cup-like carriers upward; a latching means for attaching said rail to said means for moving said carrier; means for disengaging said latching means from said means for moving said carrier; and means for re-engaging said latching means to said means for moving said carrier; said means for intermittently moving said carrier being so timed, and said means for disengaging and re-engaging said latching means being so placed that, when said carrier is stopped, said rail is free to descend, thereby rotating said drive wheel and said rail is relatched before said carrier moving means again advances upward.

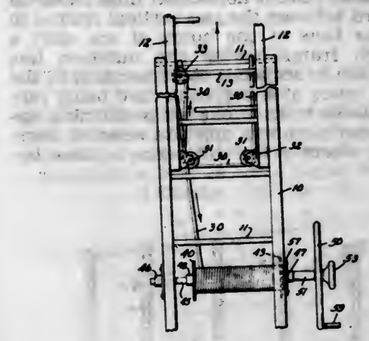
2,572,774
MEANS FOR SUPPORTING AND LOCKING REMOVABLE PANELS
Merton Smith, Cleveland, and Frank A. Leskovec, Geneva, Ohio, assignors, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo., a corporation of Missouri
Application July 28, 1948, Serial No. 41,074
3 Claims. (Cl. 280—153)



1. The combination of a wall having an opening to be covered and having an inwardly projecting supporting member above the opening, a panel adapted to cover the opening at its top and ends, said panel having an outwardly projecting supporting member held by the panel above and behind the top thereof and adapted to overhang the body member, said panel carrying adjacent its ends inwardly projecting members adapted to coact with the end of the wall opening to limit the longitudinal movement of the panel, and means for locking the two lower corners of the panel to the body wall, said means including projecting members spring-pressed upwardly, the body having upwardly inclined abutments adjacent the ends of the opening adapted to be engaged by said projecting members.

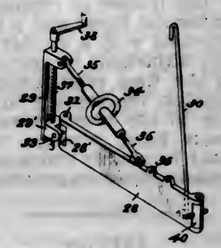
2,572,775
EXTENSION LADDER
Merton Smith, Cleveland, Ohio, assignor, by mesne assignments, to McCabe-Powers Auto Body Co., St. Louis, Mo., a corporation of Missouri
Application March 24, 1949, Serial No. 83,191
2 Claims. (Cl. 254—148)

1. The combination of a base, a member to be raised, a pair of bearings carried by the base, a shaft rotatably mounted in said bearings, a drum between the bearings secured to the shaft, a cable connecting the drum and said member, a hand crank keyed to the shaft in a manner to allow some movement between them axially of the shaft, a member threaded on the shaft and bearing against the hub of the hand crank, means to resist axial movement of the hand crank toward the adjacent bearing, and a friction device between such adjacent bearing and the



adjacent end of the drum adapted to coact with the drum when the shaft is shifted axially.

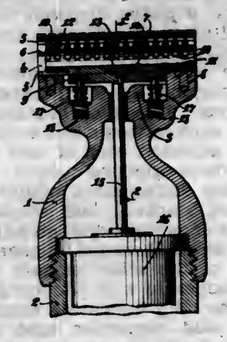
2,572,776
SUBGRADE AND SHOULDERING MACHINE
Harry T. Smith, Hixton, Wis.
Application August 3, 1948, Serial No. 42,176
3 Claims. (Cl. 94—44)



1. In a road-building machine, a body, leveling means comprising a blade extending laterally from said body, a bracket fixed to a side of said body, a block slidable in a vertical guideway on said bracket, a screw mounted in the bracket and having threaded engagement with said block, a second block mounted on horizontal pivots in the first block, vertical pivots on the second block on which said blade is mounted at one end to swing backward and forward, eyes at intervals along said blade, a pivot at the upper end of said bracket, a rod connecting the last-named pivot to said eyes selectively, and means for varying the length of said rod.

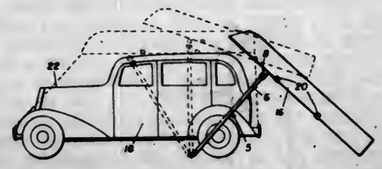
2,572,777
HAIR CLIPPER
Theodore Steinbach, Millburn, N. J., assignor, by mesne assignments, to Remington Rand, Inc., Buffalo, N. Y., a corporation of Delaware
Application August 1, 1936, Serial No. 93,796
17 Claims. (Cl. 30—43)

6. A hair clipper comprising a pair of flat plates converging into one another to form a closure having a cylindrical outer surface, a supporting member secured to said plates at their diverging ends, thin, narrow bands formed by longitudinal recesses in said plates adjacent said closure, teeth formed by slots in said recesses, said slots extending into and connecting in said closure, a hollow movable member provided with teeth cut through to the hollow part thereof and in sliding contact with the teeth in said plates, and



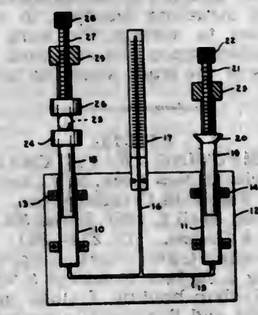
means for giving said cutter a reciprocating motion.

2,572,778
BOAT LOADING AND UNLOADING DEVICE
Peter J. Stephens, Detroit, Mich.
Application February 3, 1947, Serial No. 726,093
2 Claims. (Cl. 214—38)



1. A boat loading and unloading device for a vehicle comprising a pair of legs positionable on opposite sides of a vehicle, feet having anti-slip pads pivoted to the lower ends of said legs and adapted to grip the ground adjacent the vehicle, a cross bar, means for adjustably securing said cross bar to the upper ends of said legs, and collars slidably mounted on said cross bar each having a projecting pin adapted for insertion in an oar lock socket of a boat.

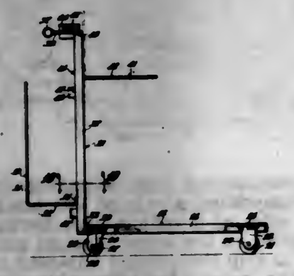
2,572,779
HARDNESS TESTER
Arthur L. Sweigart, Borger, Tex., assignor to United Carbon Company, Inc., Charleston, W. Va., a corporation of Maryland
Application September 24, 1948, Serial No. 51,023
3 Claims. (Cl. 73—94)



1. A device for testing the resistance of carbon black pellets to breakdown, comprising a

support; two vertical cylinders affixed to said support and communicating through a single connector tube affixed to the bottom of each of said cylinders; a piston disposed in each of said cylinders and extending through the top thereof; a fluid extending through the said connector tube and into the said cylinders against the bottom of the said pistons; an anvil disposed atop one of said pistons; a pair of brackets carried by said support, each having a screw-threaded opening disposed adjacent each of said cylinders; an adjustable force-applying shaft disposed in screw-threaded engagement within the opening of one of said brackets, and adapted to engage the top of one of said pistons; an adjustable shaft disposed in screw-threaded engagement within the opening of the other of said brackets and adapted to cooperate with the anvil of the other of said pistons; and indicating means communicating with said connector tube between said cylinders to indicate the amount of force exerted on said fluid by the said force-applying shaft.

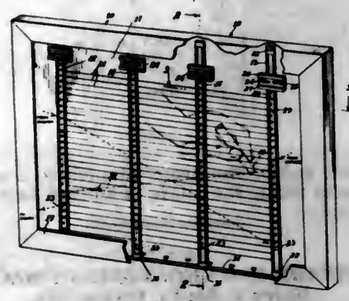
2,572,780
MERCHANDISE CART
Richard C. Tackenberg, Cincinnati, Ohio
Application November 5, 1948, Serial No. 58,487
5 Claims. (Cl. 280—49)



1. A utility truck comprising; a platform having a set of wheels for supporting the platform, an upright structure secured to one end of said platform, a work table adapted to be mounted upon said upright structure, said work table engageable against one side of the upright structure and having a connecting portion extending to the opposite side of the structure, a mounting bar secured to the connecting portion having end extensions engageable with the opposite side of the upright to establish a binding engagement with the upright to sustain the work table in a horizontal position upon the upright overhanging the platform, and a support bracket secured to the upright structure adapted to receive said mounting bar to sustain the work table in a vertical position upon the standard to increase the capacity of the truck when the table is not in use.

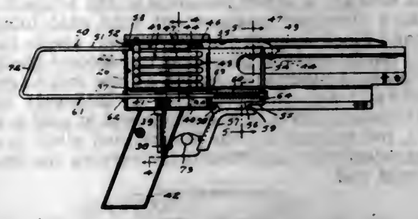
2,572,781
COMPUTING TRAVEL CHART
Ugo Terricelli, New York, N. Y., assignor to Terricelli Creations, Inc.
Application April 2, 1951, Serial No. 218,745
4 Claims. (Cl. 235—85)

1. A computing travel chart, comprising a back board having a surface to accept a writing line; two vertical strip-holding frames mounted on the backboard and horizontally spaced to represent terminal points of a distance corresponding to the horizontal spacing between the two vertical frames; a calibration scale on the backboard to subdivide the horizontal spacing between the two vertical frames on a percentage basis; a plurality of equally spaced horizontal lines ruled on the backboard between the two vertical frames to represent the time of the hours of one day; a card in each frame having the numbers imprinted thereon in sequence corresponding to the twenty-four hours of a day, each card being vertically adjustable in its frame for positioning opposite the hour numbers opposite selected horizontal lines, whereby the difference in time be-



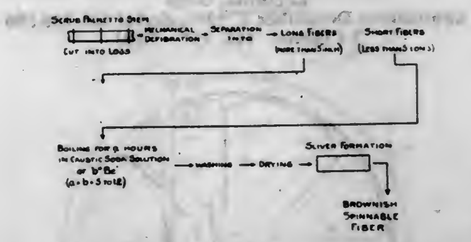
tween the represented geographical terminal points may be indicated by the numbers on the cards in the two frames at opposite ends of the respective horizontal lines; and a movable vertical frame provided with a similar hour number card vertically adjustable for proper positioning according to the time relationship of the geographical location represented by the movable frame relative to the hours represented by the horizontal hour lines, whereby time and distance data may be readily computed for a plane flying from one terminal geographical location to the other.

2,572,782
REPEATING TOY AIRPLANE PROJECTOR
Larry I. Vaaler and Ingvald J. Hagemo, La Crosse, Wis.
Application September 27, 1948, Serial No. 51,372
5 Claims. (Cl. 46—81)



2. A toy gun and airplane comprising an airplane formed of a lengthwise slotted fuselage, a pair of wings fixed to said fuselage, a tail fixed to the rear of said fuselage, a barrel formed with a lengthwise slot within which said fuselage is adapted to slidably engage, a spring-loaded ejector slidably disposed in said barrel and having a portion thereof projecting into said slot of said barrel to engage in said slotted portion of the fuselage, a magazine at the rear of said barrel having oppositely extended U-shaped outer side wall portions and adapted to receive a plurality of airplanes in superposed position, a spring-pressed follower in said magazine constantly urging said airplanes upwardly, means for moving the upper one of the airplanes in said magazine forwardly to a firing position engaging said ejector, and a trigger mounted in said gun for releasably holding said ejector in firing position.

2,572,783
PROCESS OF PRODUCING A SPINNABLE SLIVER
Barend Gysbertus Hendrikus Van der Jagt, Washington, D. C.; now by change of name, Barend Gysbertus Henry Vanderjagt
Application July 20, 1946, Serial No. 685,018
5 Claims. (Cl. 19—66)



1. A process of preparing a brownish spinnable sliver from fibers contained in the stems of scrub palmetto plants (*Serenoa repens*), which process comprises the steps of boiling fibers obtained by a mechanical defibration of scrub palmetto plant stems for a period ranging from about 10 minutes to about 2 hours in an aqueous caustic soda solution of between about 4° and about 55° Bé. strength, the strength of the solution being related to the boiling time according to the formula:

$$a \times b = 5 \text{ to } 12$$

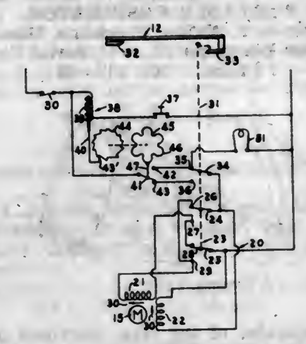
where a is the boiling time in hours and b is the strength of the solution in degrees Bé., washing the fibers with an aqueous medium having a pH value between about 5.5 and 7, drying them, the fibers developing during the drying hook-shaped kinks causing adjacent fibers to cohere together while being slidably displaceable lengthwise of one another, and forming the kinky fibers on a sliver-forming machine into a brownish spinnable sliver.

2,572,784
HAND-OPERATED COUNTER OR TALLY
Anton Van Veen, Canton Center, Conn.
Application March 2, 1949, Serial No. 79,288
17 Claims. (Cl. 235—117)



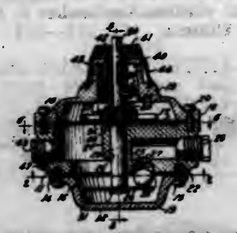
1. A counter having a plurality of digit wheels rotatably mounted co-axially within a casing, a cover pivotally mounted relative to the casing, resilient means normally holding the cover in one limited position, and a lever pivotally attached to the cover and actuated by movement of the cover to individually rotate said digit wheels, said cover having apertures through which digits on said wheels may be viewed.

2,572,785
DOOR OPERATING MECHANISM
Joseph J. Vaughn, Detroit, Mich., assignor, by mesne assignments, to McKee Door Company, Aurora, Ill., a corporation of Illinois
Application April 12, 1948, Serial No. 20,523
3 Claims. (Cl. 318—266)



1. A control system for a closure supported for movement to open and closed positions and having operating means for moving the closure to open and closed positions including an electric motor, said system comprising an electric circuit including the motor, a pair of single pole double throw switches electrically connected in series in the motor circuit, means for operating one of the switches in response to movement of the closure to either of the two positions aforesaid thereof, a reversing switch connected in the circuit and operated by said means for reversing the direction of rotation of the motor as the closure assumes either its open or closed position, and selectively operable means for operating the other single pole double throw switch independently of the said one single pole double throw switch.

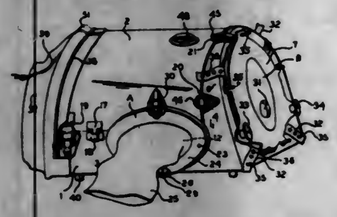
2,572,786
PRESSURE REGULATOR FOR FUEL LINES
Henry L. Vining, Dallas, Tex.
Application August 26, 1949, Serial No. 112,529
9 Claims. (Cl. 50—23)



1. A pressure regulator including, an enclosure having a liquid inlet and a liquid outlet, a valve seat connected with said inlet, a free and unattached valve ball arranged to engage the seat and to move relative thereto for controlling the flow through said inlet, a lateral support within the enclosure below the valve ball for supporting the latter, whereby movement of the support moves said ball with relation to its seat, a flexible diaphragm exposed to and actuated by the pressure of the liquid flowing past said ball, a vertical member depending from the diaphragm and connected with the support, a bonnet above the diaphragm on the enclosure, a stem extending

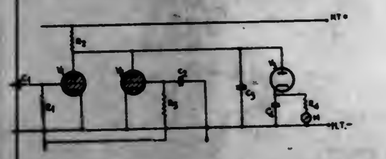
from the support and diaphragm through the bonnet, and a single resilient means surrounding the stem within the bonnet exerting a downward pressure on the diaphragm.

2,572,787
PORTABLE RESPIRATOR
Francis T. Wallin, Brookline, Mass.
Application December 20, 1948, Serial No. 66,359
7 Claims. (Cl. 128—30)



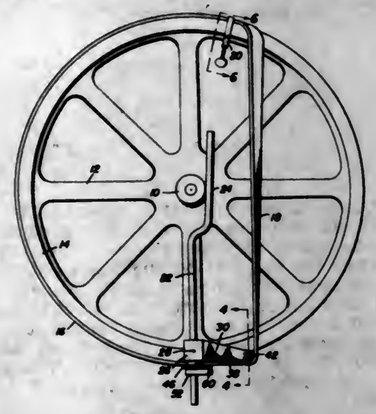
1. A respirator of the type described having a housing adapted to enclose the body of the patient from the neck to the waist, said housing being in two readily separable parts, one part comprising a base to accommodate the patient's back, said base having as a unitary structure, low side walls with recessed sections on each side forming a portion of the arm holes to accommodate the arms of a patient, and an upwardly extending face plate with a backwardly extending continuous side wall forming a part of the arm opening uniting with said previously mentioned side wall forming a line of junction between the separable parts extending in a longitudinal plane parallel to the base, and upwardly transverse thereto with an intersection in the arm openings at the sides of the respirator.

2,572,788
FREQUENCY METER
Donald Weighton, Cambridge, England, assignor to Pye Limited, Cambridge, England, a British company
Application July 28, 1947, Serial No. 764,169
In Great Britain September 9, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires September 9, 1960
3 Claims. (Cl. 175—331)



1. Measuring apparatus responsive to electrical oscillations of a type suffering periodic phase shift, comprising a grid-controlled relay tube, means for normally biassing the grid of said tube to cut-off, a timing condenser in the anode circuit of said tube, means for charging said condenser from a source of constant potential, means for shaping incoming oscillations to a peak pulse waveform having one pulse per cycle of said oscillations, means for applying said waveform to said grid to cause said tube to become intermittently conducting and thereby discharge said condenser through said tube for the duration of each of said pulses impressed on said grid, said condenser charging from said source during intervals between successive pulses, a second grid-controlled relay tube, means for normal biasing the grid of said second tube to cut-off, said second tube having an anode circuit including said condenser, means for periodically impressing pulses on the grid of said second tube to cause said second tube to become intermittently conducting and thereby discharge said condenser through said second tube periodically at the end of each phase period, and means for measuring the peak voltages acquired by said condenser in the intervals between discharges.

2,572,789
BAND SAW TIRE MOUNTING DEVICE
Warren D. Weikart and Edward F. Altomare, Leetonia, Ohio
Application December 3, 1947, Serial No. 789,500
2 Claims. (Cl. 157—1.22)



1. A band saw tire mounting device including a bar, a block on said bar, said bar being of sufficient length to contact an axle of a band saw driving wheel while supporting said block adjacent the rim of said wheel, a tapered roller freely rotatably mounted on said block on an axis at right angles to the plane of said wheel with the larger diameter end adjacent said rim, a tire-engaging flanged roller freely rotatably mounted on said block to rotate on the adjacent portion of said bar, a guide roller carried by said bar and disposed in offset relation thereto to contact a side of said rim opposite to the side thereof adjacent said tapered roller, said flanged roller being coaxial with said bar.

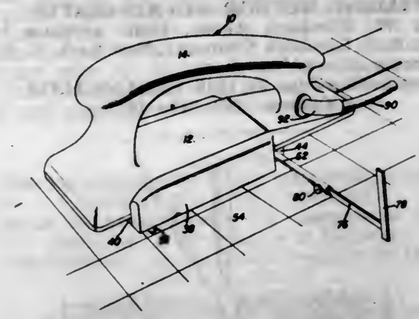
2,572,790
FISHING FLOAT
William A. West, Hume, Mo.
Application July 7, 1949, Serial No. 103,441
1 Claim. (Cl. 43—44.92)



As a new article of manufacture, a readily attachable, detachable and adjustable float comprising a buoyant body cylindrical in cross section, a U-shaped bail having its limbs piercing, passing completely through and slidably mounted in said body, said bail having a bight portion projecting beyond one side of the body and line-

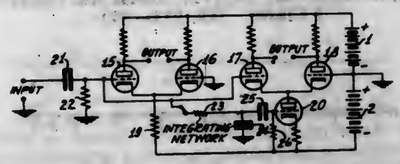
fastening hooks on the free ends of the limbs projecting beyond a diametrically opposite side of the body, and a cam latch hingedly mounted on said bight portion and engageable with a coacting curvate surface of said body.

2,572,791
ASPHALT TILE CUTTER
Francis I. White, Little Rock, Ark.
Application February 6, 1950, Serial No. 142,693
2 Claims. (Cl. 30—140)



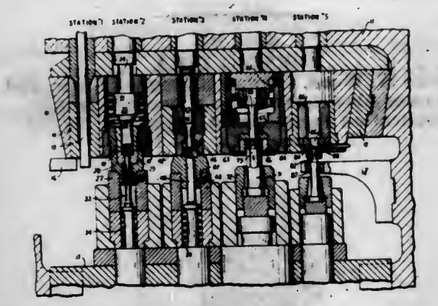
1. A tile cutting device comprising a base, a heating unit attached to the under surface of said base, means vertically spacing said heating unit from the surface to be cut, said spacing means including a smoothing block having a vertically extending bore in its lower surface, a cutting blade vertically adjustably received in said bore, means including a set screw selectively locking said blade to said block, said block having a horizontal bore therein, said bore extending transversely of the longitudinal axis of said cutting device, a longitudinally expansible guide rod pivotally mounted in said bore, a guide finger attached transversely of said guide rod, keyways on said block extending radially from said horizontal bore, key means on said rod selectively receivable in said keyways, means yieldingly urging said key means into locking engagement with said keyways in said block.

2,572,792
THERMIONIC VALVE CIRCUITS
Eric Lawrence Casling White, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Original application August 5, 1947, Serial No. 766,318. Divided and this application August 23, 1950, Serial No. 180,927. In Great Britain April 24, 1946
10 Claims. (Cl. 332—63)



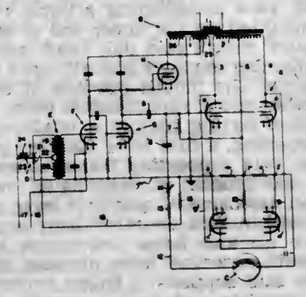
1. A circuit arrangement, comprising a pair of electron control devices each having a control electrode and a cathode, a direct connection devoid of concentrated impedance between the two cathodes, a common cathode impedance connected to the cathodes of both said devices, control electrode-to-cathode circuits for each of said devices, each of said circuits including as a part thereof said impedance, said impedance comprising the anode-cathode path of a modulating electron discharge device connected in series with the pair of control devices, there being a direct connection devoid of concentrated impedance between the anode of said modulating device and said first-named direct connection, said modulating device having a control electrode, and means for applying modulating signals to said last-named control electrode to thereby modulate the current in said pair of control devices.

2,572,793
METHOD OF MAKING PLAIN FACE NUTS OR THE LIKE
Richard L. Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application July 31, 1947, Serial No. 765,233
10 Claims. (Cl. 10—86)



2. The method of making a nut blank having a flat face at one end thereof surrounding the opening through the blank, which comprises cutting the workpiece from a length of solid stock, forming a cup-shaper area in the face at one end of the workpiece, then applying pressure to the blank to form an annular recess in the cupped face adjacent the outer portion of said face, and indenting both end faces of the blank while forming flat surfaces on its side wall.

2,572,794
RIPPLE-FREE PHASE SENSITIVE RECTIFIER
Rudolf F. Wild, Wilmington, Del., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 29, 1949, Serial No. 101,974
4 Claims. (Cl. 250—27)



1. In a circuit network including a phase sensitive rectifier of the known type comprising first

and second electronic valves each having an anode, a cathode, a control grid, a cathode resistor and an output circuit including said anode, cathode, and cathode resistor, and means for passing current through each valve during periods alternating with those during which current is passed through the other valve, the two cathode resistors being connected in series between the two cathodes and one of said cathodes being connected to ground, and means for impressing an alternating current signal on the grids of the two valves which has the same frequency as the intermittent currents passed through said valves, and is in phase with one or the other of said currents, depending upon a condition of operation, the improved means for minimizing ripple voltage in said output circuits comprising a third electronic valve having an anode connected to the anode of said second valve and having a cathode connected to the cathode of said first valve, and a fourth valve having an anode connected to the anode of the first valve and a cathode connected to the cathode of the second valve.

2,572,795

NURSING DOLL

George W. Wood, Gordon McDougall Shaw, and James Alan Scott, Magog, Quebec, Canada

Application July 30, 1949, Serial No. 107,664
2 Claims. (Cl. 46—141)



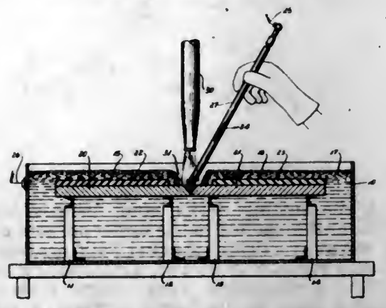
1. In combination with a doll having a hollow body and a hollow head connected to said body, said head including a mouth opening and said body including a discharge opening in the lower portion thereof; a liquid receiving apparatus comprising, an elongated supporting frame mounted within said hollow body and extending from adjacent the lower portion of said body into said head, a hollow member having top, side, and bottom walls constituting a liquid receiving chamber mounted on the upper end of said supporting frame within said doll head, said liquid receiving chamber having a laterally open end disposed adjacent the mouth opening of said doll head, the other end of said chamber being blocked by a partition having therein a relatively small discharge opening, a first lever member pivotally mounted on said supporting frame beneath and extending the length of said liquid receiving chamber, an extension of said first lever member projecting within said chamber body and being adapted for up and down movement between said side walls, a second lever member pivotally mounted on said supporting frame beneath said first lever member and being operatively connected thereto, said second lever member extending from adjacent said doll head to a pivotal connection with a flexible member inset in said doll body, a reservoir adapted to receive liquid from said liquid receiving chamber mounted on the lower end of said supporting frame and including a controlled outlet means connected to said doll body discharge opening, conduit means between said liquid receiving chamber discharge opening and said reservoir, and control means for said reservoir outlet disposed exteriorly of said doll body.

2,572,796

WELDING METHOD AND APPARATUS

Harry W. Woodard, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application June 23, 1948, Serial No. 34,623
4 Claims. (Cl. 219—10)



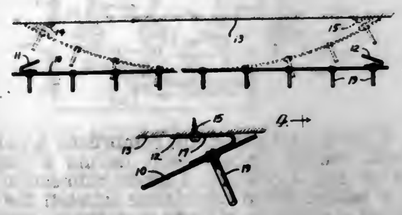
1. Apparatus for welding an article without overheating portions of the article remote from the weld, said apparatus comprising a bath of cooling liquid, and a support in said bath below the surface of the liquid for holding the article at such elevation in the bath as to provide a depth of liquid thereover sufficiently shallow to permit localized displacement of the liquid at the position of the weld by a stream of gas directed against the upper surface of the article from a position above the liquid, said support being connected electrically to one pole of a source of electric current, a jet nozzle above the bath and directed at the surface in the region of the desired weld for providing the stream of gas and a welding electrode connected to the opposite source of electric current and positionable in arc-forming relation to the article at the position of localized displacement.

2,572,797

WALL FIXTURE

Myron J. Zimmer, Wood Dale, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois

Application July 10, 1947, Serial No. 759,975
1 Claim. (Cl. 211—87)



A rack for readily detachable connection to a pair of headed pin fasteners anchored at a fixed distance apart on a stationary support, said rack comprising an elastic strap member having fastener engaging means thereon substantially concealed from frontward view by said strap member, said fastener engaging means comprising ears projecting inwardly from opposite ends of said strap member, each ear being provided with a keyhole-shaped opening of elongated form lengthwise of said strap member and of such restricted dimension in a direction inwardly of the ends of the strap member as to accommodate entry of the headed pin fasteners in said openings only at the enlarged part of the openings located nearest the ends of the strap member when the latter is flexed to bring the ears closer together and in conformity with the spacing between said pin fasteners, thereby to effect resilient engagement with the latter at the parts of said openings of restricted dimension.

2,572,798

PHONOGRAPH RECORD MOLDING COMPOSITIONS AND RECORDS

Joseph W. Ayers, Easton, Pa., assignor to Agrashell, Inc., a corporation of Delaware

No Drawing. Application November 28, 1947, Serial No. 788,647
23 Claims. (Cl. 260—17.4)

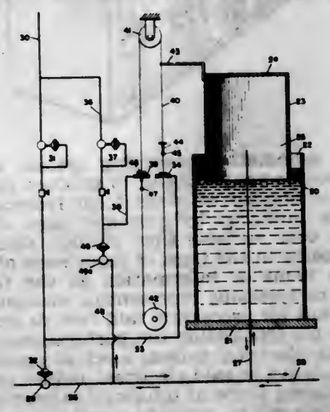
1. A phonograph record molding composition comprising a vinyl resin base, the filler content of which consists essentially only of a very finely divided, hard ligno-cellulose extender containing at least 45% of combined pentosans, hexosans and lignins, the particles of which are not more than 30 microns in diameter.

2,572,799

SYSTEM AND APPARATUS FOR GAS STORAGE CONTROL

Daniel B. Banks, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application May 25, 1950, Serial No. 164,260
4 Claims. (Cl. 48—190)



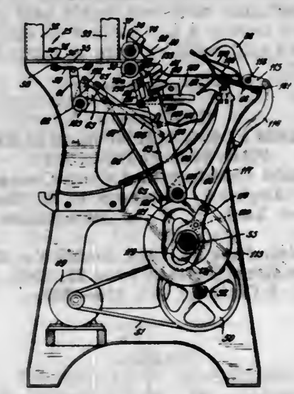
1. In a gas storage apparatus including a tank having a closed lower end with an open upper end containing a body of liquid and a cooperating movable gas holder having a closed upper end with an open lower end normally disposed within the body of liquid providing with the tank a liquid seal, a source of gas and conduit means between said source and said gas holder, the improvement which comprises a gas supply valve and a gas removal valve for controlling gas flow to and from said gas holder, a control device for alternately actuating said gas supply and removal valves to open position, said control device comprising an endless cable, an upper and lower sheave for mounting said cable and forming it into cooperating vertical strands, a bracket arm having one end fixed to a strand of said cable and its other end fixed to said gas holder to reciprocate the cable in accordance with variations in the volume of the gas in the holder, a valve plug for each strand of the cable, each being mounted for movement therewith, a cooperating valve body for each strand of the cable mounted in fixed relation therewith, a source of extraneous control fluid, a control fluid line between the gas supply valve and one of said valve bodies, a control fluid line between the gas removal valve and the other valve body, said valve plugs being actuatable through movement of said cable to close the valve bodies in alternation and alternately effect the supply of gas to and removal of gas from the gas holder.

2,572,800

CARTON SETUP MACHINE

Le Roy F. Carkhuff, Morris, Ill., assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware

Application November 23, 1946, Serial No. 711,855
5 Claims. (Cl. 93—37)



1. A carton setting up machine comprising means to feed a collapsed carton edgewise, supporting abutment means engaging the forward fed edge of the carton, means to maintain engagement of the forward edge with the abutment, a dual stroke body distending and discharging element, means operating the said body distending element while said edge is engaged by said abutment means to engage one portion of said carton and initially distend the same, means to complete erection of the carton, said operating means including means to actuate said element for a subsequent engagement with another portion of said erected carton to discharge said carton.

2,572,801

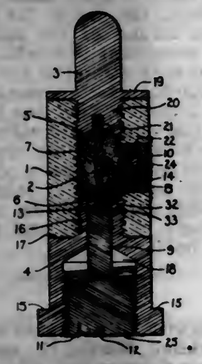
ELECTRICAL RECTIFIER

Ezio Thomas Casellini, Salem, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts

Application June 23, 1943, Serial No. 492,163
5 Claims. (Cl. 250—31)

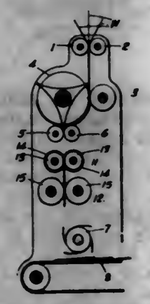
1. A crystal rectifying unit comprising: a hollow insulating member; a conductor member

at each end of said hollow member to form an enclosure therewith; a resilient wire supported at one end by, and extending into said enclosure from, one of said conductor members, the other end of said wire being formed to a machined true right circular conical point, said wire being bent to have an S-shaped portion in a single plane with an elongated straight portion at each end of



the S-shaped portion, said straight portions being in line with each other and in the plane of the S-shaped portion; a rectifying crystal supported by and electrically connected to the other of said conductor members inside said enclosure, said crystal having a flat surface in contact with the point of said resilient wire to form a rectifying contact.

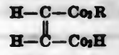
2,572,802
MECHANISM FOR TRIMMING MULTISHEET PRINTED PRODUCTS
John Oldfield Crabtree and Cecil George Quick, London, England, assignors to R. Hoe & Co. Inc., New York, N. Y., a corporation of New York
Application June 24, 1946, Serial No. 678,764
In Great Britain June 25, 1945
3 Claims. (Cl. 270—76)



1. In a folder for a printing machine, a pair of forwarding rollers to forward associated webs, a rotary transverse cutting and transverse folding mechanism arranged to receive said webs from the forwarding rollers, to cut said webs into unit length products and to fold the said products transversely, a rotary edge trimming means to trim side edges of the products after they are transversely cut and transversely folded, and additional transverse rotary cutting means positioned immediately following said edge trimming means to trim the then folded products along the edge opposite the fold and forward the thus finished products to a delivery.

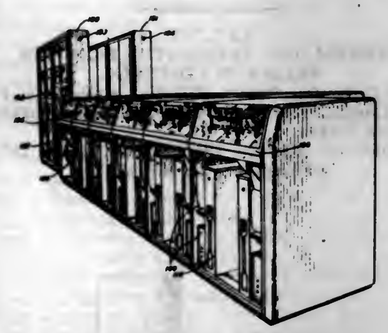
2,572,803
STABILIZED SOLUTIONS OF METALLIC SALTS
Stanley B. Elliott, Shaker Heights, and Raymond J. O'Hara, Maple Heights, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 19, 1950, Serial No. 139,538
11 Claims. (Cl. 106—310)

1. As a new composition of matter, an admixture consisting essentially of a water insoluble soap of a metal selected from the class of cadmium, manganese, cobalt, calcium and barium and from about 1 to 20 parts per 100 parts of such metallic soap of a compound corresponding to the general formula



where R represents a member of the class consisting of the monohydric, dihydric and glycol ether alcohols containing not more than 8 carbon atoms.

2,572,804
AUTOMATIC ACCOUNTING DEVICE
Erlon W. Flint, Mountain View, N. J., and Amos E. Joel, Jr., New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 24, 1949, Serial No. 101,085
5 Claims. (Cl. 235—61.7)



1. An automatic accounting system wherein coded records are processed to produce customer bills in a number of steps from records automatically produced by customer uses of given facilities over variable time periods, said coded records being in the form of tapes each of which contains items of information in the form of lines of perforations representing elements of a code, means for processing said records including a reader for translating the perforations in said tapes into electrical pulses, a set of reading relays responsive to said electrical pulses, registers for registering items of information expressed by said reading relays, a means associated with said reader for producing a train of precisely timed pulses, said reader being constructed and arranged to transmit reading pulses during each of said precisely timed pulses, gate means for controling communication between said reading relays and said registers and locking circuits for said gate means closed by said gate means and responsive to said reading pulses whereby said gate means cannot be opened during a reading pulse interval.

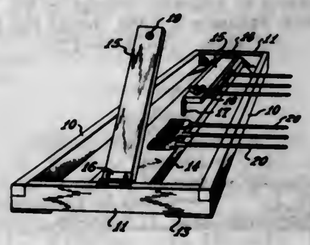
2,572,805
DETERGENT COMPOSITION
Jay C. Harris, Dayton, Ohio, and Milton Kosmin, Los Angeles, Calif., assignors to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application October 17, 1947, Serial No. 780,576
13 Claims. (Cl. 252—140)

1. A detergent composition which prevents the formation of grease balls during washing, said detergent composition comprising essentially a mixture of the condensation product of one mole of tall oil with 3.4 to 34 moles of ethylene oxide in combination with a condensation product of one mole of an aliphatic mercaptan, having from 6 to 20 carbon atoms condensed with from 1 to 40 moles of ethylene oxide, said respective condensation products being present in proportion by weight of from 1.5:1 to 9:1.

2,572,806
MANUFACTURE OF TETRAETHYL PYROPHOSPHATE
John Sterling Harris, Richmond Heights, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 1, 1948, Serial No. 24,633
2 Claims. (Cl. 260—461)

1. In a process for the manufacture of tetraethyl pyrophosphate, the step comprising reacting together at temperatures between the limits of 125° C. and 160° C. and for a period of at least one hour substantially 2 molecular proportions of triethyl phosphate and the reaction product obtained by reacting at temperatures between the limits of 125° C. and 150° C. 1 molecular proportion of phosphorus oxychloride and substantially 3 molecular proportions of triethyl phosphate.

2,572,807
PAINTBRUSH PRESS
Leah V. Hook, Middletown, Ohio
Application November 1, 1947, Serial No. 783,591
3 Claims. (Cl. 211—7)



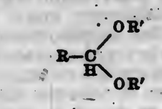
1. A device for preserving the shape of artists' brushes between periods of use, comprising a four sided frame including a brush support and a handle support, said supports being spaced parallel frame members, said handle support comprising one side of said four sided frame, and said brush support being disposed centrally of said frame and at a lower level in said frame than said handle support, said supports being so arranged as to maintain brushes placed thereon in a substantially horizontal position, and a clamping member hinged to said frame and arranged in one position to overlie said brush support, and means for releasably securing the free end of said clamping member to said brush support.

2,572,808
DIELECTRIC WITH N,N'-1-3 DIMORPHOLINO ISOPROPANOL AS SCAVENGER
Elwood F. Jackson, Ludlow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application September 18, 1948, Serial No. 49,986
4 Claims. (Cl. 252—63.7)

2. A heat transfer and dielectric composition consisting essentially of a halogenated aryl hydrocarbon and as a scavenger therefor about 0.05% to about 1% by weight of N,N'-1-3 dimorpholino isopropanol.

2,572,809
PRODUCTION OF AMIDES
Charles F. Jelinek, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 18, 1948, Serial No. 15,739
13 Claims. (Cl. 260—247.1)

1. A process for preparing an amide of a carboxylic acid which comprises reacting by heating at a temperature of from about 125 to about 230° C., a mixture of an acetal of the formula:

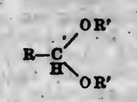


wherein R represents a member of the group consisting of alkyl, cycloalkyl and aryl radicals and R' represents an alkyl radical; sulfur and a basic nitrogen compound in which the nitrogen carries at least one hydrogen atom and which is selected from the group consisting of ammonia, primary and secondary lower alkyl amines, primary and N-lower alkyl aryl amines, morpholine and piperidine.

13. The process for producing 4-thiobenzoyl morpholine which comprises reacting by heating at a temperature of about 125 to about 140° C., dimethyl benzal with sulfur and morpholine.

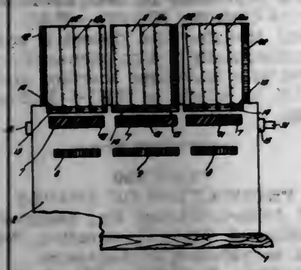
2,572,810
PRODUCTION OF AMIDES
Charles F. Jelinek, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 18, 1948, Serial No. 15,740
11 Claims. (Cl. 260—561)

1. A process of preparing an amide of a carboxylic acid which comprises reacting by heating at a temperature of from about 125 to about 230° C., a mixture of an acetal of the formula:



wherein R' represents an alkyl radical and R represents an alkoxy-substituted alkyl radical in which no more than one alkoxy group is attached to a non-terminal carbon atom in the alkyl chain, with sulfur and a basic nitrogen compound in which the nitrogen carries at least one hydrogen atom and which is selected from the group consisting of ammonia, primary and secondary lower alkyl amines, primary and N-lower alkyl aryl amines, morpholine and piperidine.

2,572,811
CALCULATING MACHINE
Pierre Jules Louis Jullien, Roubaix, France
Application April 18, 1949, Serial No. 88,147
In France April 20, 1948
8 Claims. (Cl. 235—79.5)



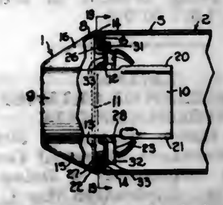
1. A calculating machine based on the principle of logarithmic calculation and comprising at least three co-axial revolution surfaces connected together by at least one differential device imparting to one of said revolution surfaces a rotation equal to the sum of the rotations of the other revolution surfaces, logarithmic scales plotted on said surfaces, a stationary mark and movable indices moving in the neighborhood of said stationary mark, each in front of one of said revolution surfaces and means for relating the displacements of said indices so that the displacement of that one which is in front of said one of said revolution surfaces is the sum of the displacements of the others.

2,572,812
FASTENING DEVICE
Joseph Kral, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 12, 1946, Serial No. 640,693
1 Claim. (Cl. 151—33)



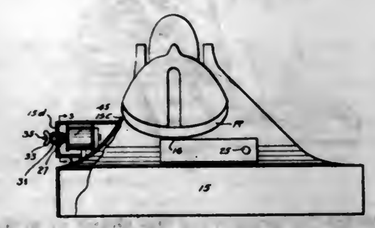
A fastener installation comprising: a support having a cavity opening on one face and bottom and sidewalls for said cavity; an anvil member disposed within said cavity and having one face in engagement with the bottom wall of said cavity, a flat surface opposite said face, and peripheral surface disposed adjacent the sidewalls of said cavity; and a fastener member including a thread-engaging barrel portion and a deformable attaching portion, said attaching portion including an outwardly flaring hollow deformable portion integrally connected to one end of said barrel portion and a plurality of circumferentially spaced lug elements normally extending generally parallel to the axis of said barrel portion from the outer circumferential edge of said outwardly flaring portion, said lug elements normally presenting their free outer ends to said flat surface of said anvil member adjacent the periphery thereof, said ends normally presenting edges and surfaces to said flat surface inclined angularly thereto from the outer edges of said ends, in assembled position said attaching portion being deformed against said flat surface of said anvil member with an outer circumferential portion of said flaring portion and said lug elements extending radially outward against said flat surface in a plane substantially parallel thereto and with the outer circumferential edge of said flaring portion in biting engagement with said sidewalls of said cavity and said lug elements in penetrating engagement with said sidewalls.

2,572,813
LAMP SOCKET ASSEMBLY AND APERTURED SUPPORT
Howard J. Murphy, Lynnfield, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 25, 1949, Serial No. 89,427
10 Claims. (Cl. 173—339)



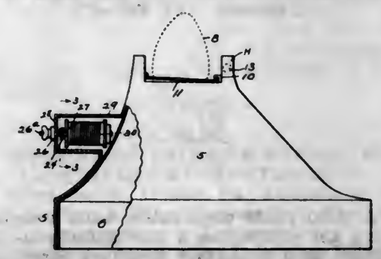
1. A socket assembly adapted to be mounted in an apertured support comprising a carrier member provided with a socket-receiving portion, a positioning member secured to said carrier member and having a positioning element extending outwardly therefrom providing surfaces for radially and circumferentially spaced relationship about a socket disposed in said socket-receiving portion for engaging the edges of an aperture in a support during the mounting of the socket assembly in such an apertured support, said positioning element having apertures extending through said surfaces, and a ring member associated with said carrier member having projections extending radially outward therefrom through said apertures.

2,572,814
TELEPHONE SHELL AND SIGNAL LIGHT
Marie K. Laporte, Arlington, Va.
Application January 6, 1950, Serial No. 137,200
8 Claims. (Cl. 179—179)



1. The combination with an ornamental shell shaped to fit over and house a telephone desk set, an electric light and a control switch therefor both mounted upon and bodily carried by said shell, said switch being provided with actuating means in the path of movement of the telephone handset when the latter is placed upon the desk set so as to effect energization of said light when the handset is lifted from the desk set and a second control switch mounted upon said shell connected in parallel with said electric light and including means responsive to the sound of the telephone audible signal whereby to energize said light upon the sound of said signal.

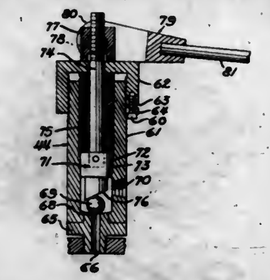
2,572,815
ILLUMINATING ATTACHMENT FOR TELEPHONES
Marie K. Laporte, Arlington, Va.
Application June 8, 1950, Serial No. 166,945
15 Claims. (Cl. 179—179)



13. The combination with a telephone of the handset dial type and its conventional electric signal call bell, of an electric circuit that is independent of the conventional bell ringing circuit and which independent circuit includes a light and a source of electric power for energizing said light, a vibratory sound responsive element set to be responsive to the sound waves emanating from the call bell of the telephone included in said circuit, a support for said vibratory element and the light so mounted upon the telephone as to bring the vibrating element into operative relation to the source of the call bell sound waves and to bring the light into position to overlie and illuminate the dial of the telephone and to partly illuminate the room in which the telephone is located, an electro-magnet for which said vibratory element constitutes an armature and the windings of which are serially included in said independent circuit, a thermal delay switch also included in said circuit, circuit closing means carried by the vibratory element serving to initially complete the circuit and energize the magnet when said element is vibrated by the ringing of the call bell, said magnet thereafter holding the vibratory element in circuit closing position to light the light until the thermal delay switch opens to break the circuit, and tensioning means for the vibratory element set to cause the element to respond to the call bell and also to move to circuit breaking position to reset the parts for a subsequent operation after one operation of the structure.

2,572,816
PRESSURE RELIEF VALVE
Malcom W. Patrick, Lakewood, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application October 11, 1944, Serial No. 558,206
4 Claims. (Cl. 137—53)

1. A relief valve for use in a press for sizing, which comprises a body portion screw-threaded at its upper end and having an axial bore, a cap engaging said screw threads, a valve seat member of wear-resistant material in the lower end of said bore, said seat member having a restricted axial bore in alinement with the bore of said body portion, the upper end of said restricted bore forming a valve seat, a ball valve engaging said seat, the lower end of said valve seat member being threaded for engaging a threaded opening in a high pressure fluid line, a plunger within said first-named bore and having a cam face on its lower end tangentially engaging said ball valve, the angle of said cam surface being such that a diameter of said ball passing through the point of tangency of said ball when seated will fall within the perimeter of said seat for holding said valve seated until unseated by excess pressure in said seat bore and being such as to cause said ball valve when unseated to move laterally of said seat and in contact therewith and be held in such unseated position, a spring between said plunger and cap, and means for locking said cap in position for tensioning said spring.



2,572,817
ARTIFICIAL BAIT
Kenneth H. Reed, Saginaw, Mich.
Application May 20, 1947, Serial No. 749,148
3 Claims. (Cl. 43—35)

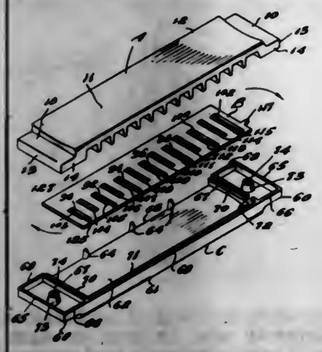


1. In an artificial bait comprising a body having a longitudinally extending bore therein, a plurality of hooks pivoted onto the body for extension from and retraction therein, a member slidable in said body and operatively connected to said hooks, an apertured ramp portion secured to said member, a plate secured to the rear end of said member, a collar abutting the front end of said member, spring means in said body engaging said collar for pivoting said hooks to extended position, a spring pressed pin engaging the aperture in said ramp portion for latching said member in hook retracting position, a trigger bar engaging said pin and rockable on said plate for releasing said pin from engagement with said apertured ramp portion, and a cocking member in said body engaging said slidable member for resetting said slidable member and retracting said hooks.

2,572,818
CHILD'S TOY MUSICAL INSTRUMENT
David Rosenheim, New York, N. Y., assignor to Lapin Products, Inc., Newark, N. J., a corporation of New York
Application January 7, 1948, Serial No. 908
11 Claims. (Cl. 84—377)

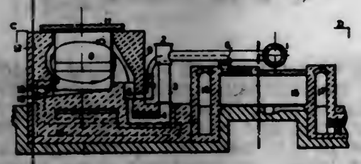
1. A three-piece toy children's plastic mouth organ comprising an upper plastic casing, a lower plastic casing and an intermediate plastic reed plate, said reed plate being clamped between said casings one of said casings being closed at the front and having openings at the rear and the other of said casings being closed at the rear and having openings at the front, said front openings permitting spaced and separated

streams of air to be forced into and drawn out of the castings and said rear openings affording access to an elongated chamber closed at one side by the reed plate and said castings being cemented together to form closed compartments



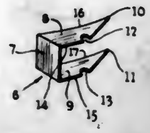
at the ends and at the rear of the reed plate and the slots in said reed plate having straight parallel sides and the sides of said reeds being bevelled so that the sides of the reeds will converge together away from the slots.

2,572,819
CHAMBERED SOAKING PIT
Herbert Schaefer, Luxemburg, Luxemburg
Application February 4, 1949, Serial No. 74,574
In Luxemburg June 21, 1948
4 Claims. (Cl. 263—40)



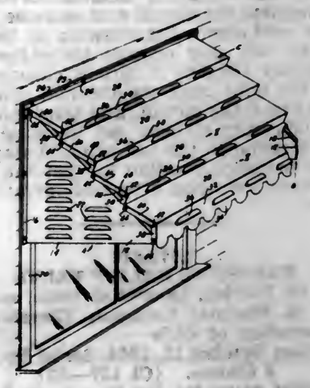
1. A soaking pit furnace comprising a heating chamber having an open roof for introduction of the products to be heated, a flat cover for said opening in the roof, a single combustion chamber located at one end of said heating chamber and opening freely into same throughout the major part of its height, the bottom of said combustion chamber being at substantially the same level as the hearth of the heating chamber and its rear wall assuming a sharp slope extending substantially between the outer lower end of the bottom of the combustion chamber and a line near the roof of the heating chamber defining the upper end of the opening between the heating chamber and the combustion chamber, a vertical well opening into the outer end of the bottom of the combustion chamber, means for feeding air and fuel into the lower end of said vertical well the combustion of which will produce vertical flames which are adapted to sweep over the rear wall of the combustion chamber, to spread throughout the width thereof, to mix through induction with the combustion products near the hearth, to enter the heating chamber tangentially with the cover thereof, and to return along a substantially closed elliptical path towards said combustion chamber, and exit flues opening into the heating chamber just above the hearth thereof in the solid wall of the heating chamber opposite the combustion chamber and through which a fraction of the gases conveyed by the flames is exhausted.

2,572,820
GUIDE FOR CAN-OPENING KEYS AND TEAR STRIPS
Bernard C. Schluter, Newark, N. J., assignor of one-third to Charles Kanter and one-third to Edward F. Walsh, both of Newark, N. J.
Application August 25, 1950, Serial No. 181,350
2 Claims. (Cl. 220—52)



2. A strip guide cooperative with a container opening key comprising a substantially U-shaped structure, said U-shaped structure consisting of a bridge portion and a pair of elongated legs extending substantially parallel and perpendicularly therefrom, said legs having upper and lower longitudinal edges, said upper longitudinal edges each being sloped along at least a portion of their lengths from the extremities thereof, a notch in each of said upper edges between an extremity and said bridge portion, said lower longitudinal edges being curved, said notches being engageable with a container opening key for the rotation of said key therein.

2,572,821
AWNING
Charles M. Skaggs, Memphis, Tenn.; Lula Beeler Skaggs executrix of said Charles M. Skaggs, deceased
Application May 9, 1947, Serial No. 747,097
7 Claims. (Cl. 20—57.5)



1. An awning structure which comprises a pair of substantially triangular ends vertically disposed and each having a vertical rear edge and an inclined edge extending downwardly and outwardly from the upper end of said rear edge; and an awning sheet extending between and supported on said inclined edges, said awning sheet including a plurality of integrally connected, alternating step and riser portions extending between said ends and secured thereto, the rear edges of said steps respectively resting on said inclined edges, said steps extending outwardly and downwardly from their said rear edges in parallelism and having their forward edges spaced above said inclined edges to form apertures above said inclined edges adjacent the forward edges of said steps, said risers depending from said forward edges at right angles thereto and each respectively extending from the said forward edge associated therewith into junction with the rear edge of the step next adjacent therebelow, each said riser having formed therein a plurality of hooded louver openings, the hoods of said louvers being outwardly offset from said risers and the lower edges of said hoods extending below the lower edges of said openings to shield said openings.

2,572,822
PREPARATION OF MONO-ETHERS OF 1-4-DIHYDROXYNAPHTHALENE
Carl Mayn Smith, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 1, 1948, Serial No. 62,973
7 Claims. (Cl. 260—613)

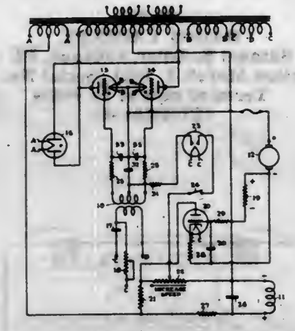
1. The process of producing mono-ethers of 1,4-dihydroxynaphthalene which comprises heating a mixture of a monohydroxy alkane, phosphorus oxychloride, stannous chloride and 1,4-naphthoquinone.

2,572,823
PROCESS FOR REDUCING FOAMING IN PROTEIN-CONTAINING MIXTURES
James S. Wallerstein and Ralph T. Alba, New York, N. Y., assignors to The Overly Biochemical Research Foundation, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 28, 1944, Serial No. 556,302
14 Claims. (Cl. 195—29)

1. In a process involving the addition of a culture of microorganisms to a protein-containing solution followed by aeration of the mixture to promote the action of the microorganisms, the step which comprises preliminarily subjecting the protein matter in the solution to the action of a tryptic enzyme until it has been converted in large part to peptides, whereby foaming of the solution during the subsequent aeration is reduced.

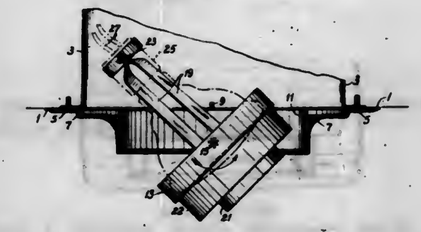
2,572,824
ELECTRONIC MOTOR SPEED CONTROL
Floyd V. Wilkins, Paterson, N. J., assignor to Servo-Tek Products Co., Inc., Paterson, N. J., a corporation of New Jersey
Application February 8, 1949, Serial No. 75,230
6 Claims. (Cl. 318—332)

1. A circuit for controlling the operation of a direct current motor from an alternating current source, comprising in combination: grid-controlled gaseous rectifier means connected to supply D. C. voltage to the armature of said motor from said A. C. source; means including a rectifier and a load impedance therefor connected to supply a D. C. reference potential from said source in series opposition to said armature supply; means for supplying the grid of said gaseous rectifier means with an A. C. voltage out-of-phase with said source; means to superimpose on the grid of said gaseous rectifier means the difference between said armature supply voltage and said D. C. reference potential; a resistive circuit element connected in series with said armature and said gaseous rectifier means; at least one electronic amplifier tube, which includes a cathode, an input control grid and an output anode; means connecting the input control grid of said electronic amplifier across said resistive circuit element so that an increase in armature



current causes a decrease in the anode current of said tube; a second resistive circuit element connected in the output anode circuit of said electronic amplifier; means connecting the grid of said gaseous rectifier means to said second resistive circuit element; and means to energize the field winding of said motor.

2,572,825
BUILT-IN LIGHTING FIXTURE WITH ADJUSTABLE SPOTLIGHT
Edwin F. Guth, Florissant, Mo.
Application November 27, 1946, Serial No. 712,535
8 Claims. (Cl. 240—78)

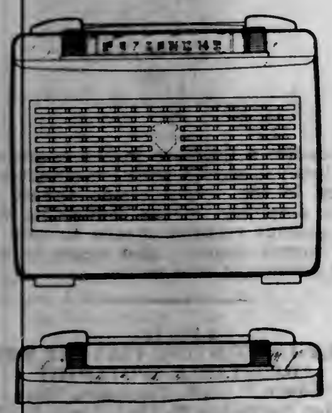


1. An adjustable lighting fixture comprising a mounting base assembly, a collar affixed to said base assembly, a bezel having an inner opening and supported by said collar, said bezel rotatable on an axis and within a plane parallel to the plane of said collar, a pair of diametrically opposed trunnions affixed to said bezel, the inner opening of said bezel being elliptical in shape, a second bezel mounted on said trunnions and movable through an arc within said first bezel on a pivotal axis normal to the axis of rotation of said first bezel, the axis of pivotal movement of said second bezel being the minor axis of said elliptical opening, a bracket affixed to said second bezel, and an electric lamp mounted within said bracket.

DESIGNS

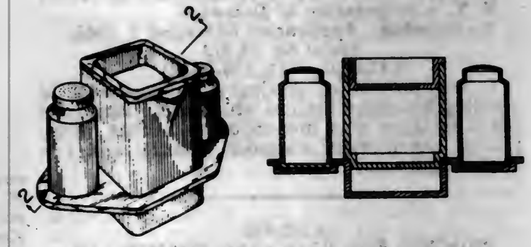
OCTOBER 23, 1951

164,891
RADIO CABINET
Samuel E. Adler, Chicago, Ill.
Application March 3, 1951, Serial No. 14,380
Term of patent 14 years
(Cl. D56—4)



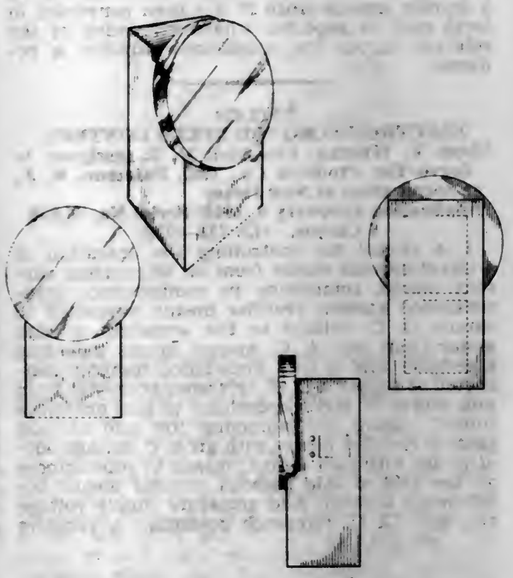
The ornamental design for a radio cabinet, as shown and described.

164,892
COMBINED SERVING TRAY AND FOOD CONTAINERS OR SIMILAR ARTICLE
John C. Baker, Columbus, Ohio
Application June 15, 1950, Serial No. 10,529
Term of patent 14 years
(Cl. D44—10)



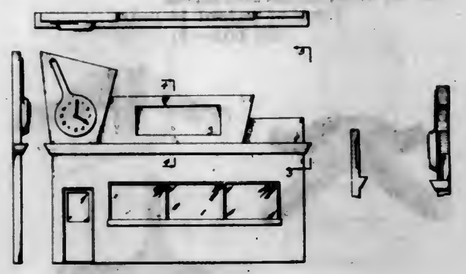
The ornamental design for a combined serving tray and food containers or similar article, substantially as shown and described.

164,893
TELEVISION CABINET OR SIMILAR ARTICLE
Jack Barefsky, Los Angeles, Calif.
Application April 11, 1950, Serial No. 9,134
Term of patent 14 years
(Cl. D56—4)



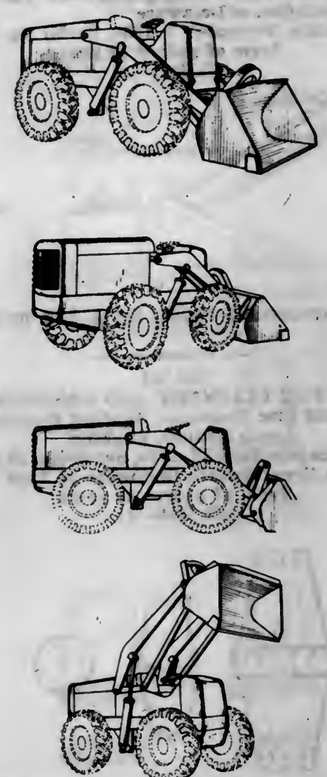
The ornamental design for a television cabinet or similar article, as shown and described.

164,894
STORE FRONT
Kenneth E. Bemis, Oakland, Calif.
Application January 15, 1951, Serial No. 13,810
Term of patent 14 years
(Cl. D12—1)



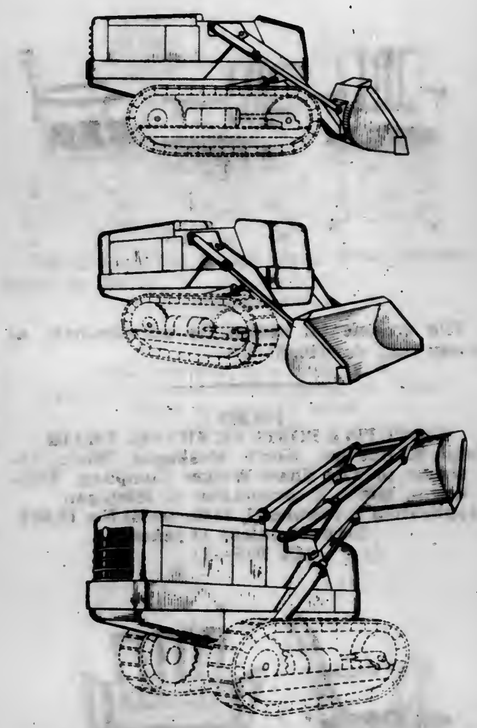
The ornamental design for a store front, as shown.

164,895
EARTH MOVING VEHICLE
Ralph L. Beyerstedt, Libertyville, Ill., assignor to The Frank G. Hough Co., Libertyville, Ill., a corporation of Illinois
Application November 21, 1950, Serial No. 13,073
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an earth moving vehicle, as shown and described.

164,896
EARTH MOVING VEHICLE
Ralph L. Beyerstedt, Libertyville, Ill., assignor to The Frank G. Hough Co., Libertyville, Ill., a corporation of Illinois
Application November 21, 1950, Serial No. 13,074
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an earth moving vehicle, as shown and described.

164,897
ARMCHAIR
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application August 2, 1950, Serial No. 11,543
Term of patent 14 years
(Cl. D15—1)



The ornamental design for an armchair, as shown and described.

164,898
ARMCHAIR
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application August 2, 1950, Serial No. 11,544
Term of patent 14 years
(Cl. D15—1)



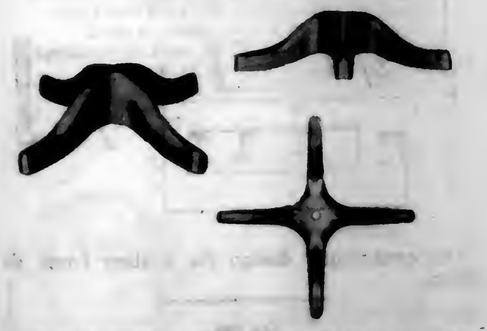
The ornamental design for an armchair, as shown and described.

164,899
EXECUTIVE POSTURE SWIVEL CHAIR
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application September 7, 1950, Serial No. 12,085
Term of patent 14 years
(Cl. D15—1)



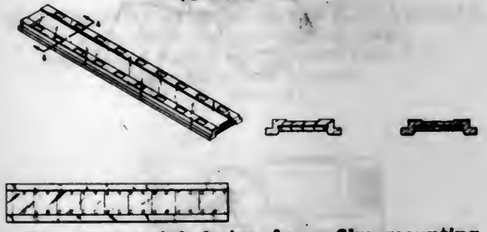
The ornamental design for an executive posture swivel chair, as shown and described.

164,900
SWIVEL CHAIR BASE
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Original application August 2, 1950, Serial No. 11,544. Divided and this application September 29, 1950, Serial No. 12,405
Term of patent 14 years
(Cl. D15—8)



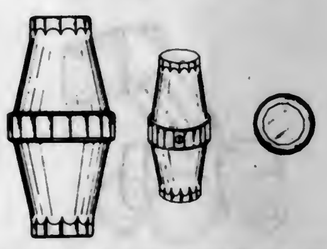
The ornamental design for a swivel chair base, as shown and described.

164,901
FILM MOUNTING
John D. Cassidy, Riverside, Conn., and Joseph David Marks, West Orange, N. J., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application November 9, 1950, Serial No. 12,926
Term of patent 14 years
(Cl. D61—1)



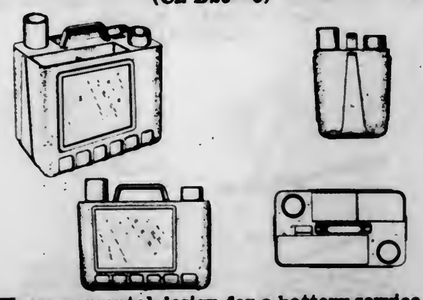
The ornamental design for a film mounting, as shown.

164,902
MIXER FOR CULINARY AND GENERAL USE
Harold Eric Chapman, Ashford Bowdler, near Ludlow, England
Application June 17, 1950, Serial No. 10,612
In Great Britain December 16, 1949
Term of patent 14 years
(Cl. D44—8)



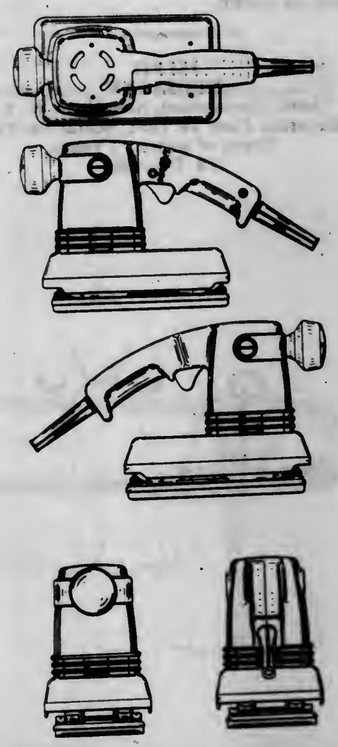
The ornamental design for a mixer for culinary and general use, as shown.

164,903
BATTERY SERVICE KIT
Robert B. Edelmann, Chicago, Ill., assignor to E. Edelmann & Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1951, Serial No. 16,157
Term of patent 14 years
(Cl. D26—6)



The ornamental design for a battery service kit, substantially as shown.

164,904
PORTABLE POWER-OPERATED SANDING MACHINE
Arthur N. Emmons, Nedrow, N. Y., assignor to Porter-Cable Machine Company, Syracuse, N. Y., a corporation of New York
Application February 24, 1951, Serial No. 14,315
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a portable power-operated sanding machine, as shown.

164,905
DRESS
Rose Feintuch, New York, N. Y.
Application June 14, 1951, Serial No. 15,538
Term of patent 7 years
(Cl. D3—26)



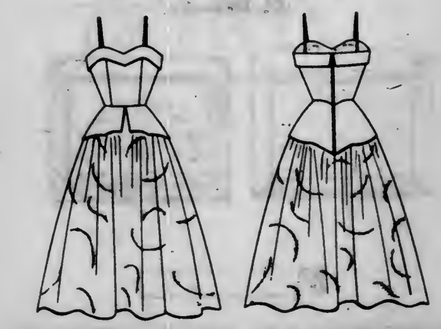
The ornamental design for a dress, substantially as shown.

164,906
DRESS
Rose Feintuch, New York, N. Y.
Application June 14, 1951, Serial No. 15,539
Term of patent 7 years
(Cl. D3—26)



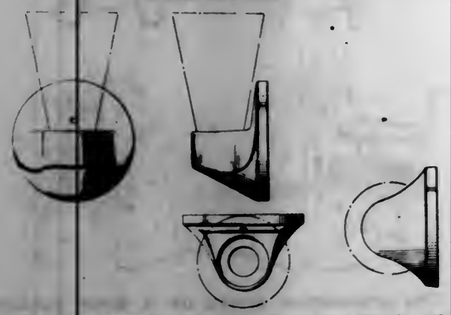
The ornamental design for a dress, substantially as shown.

164,907
DRESS
Rose Feintuch, New York, N. Y.
Application June 14, 1951, Serial No. 15,540
Term of patent 7 years
(Cl. D3—26)



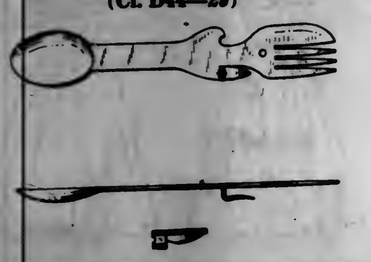
The ornamental design for a dress, substantially as shown.

164,908
WALL BRACKET LIGHTING FIXTURE
Milo D. Foley, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York
Application January 24, 1951, Serial No. 13,940
Term of patent 14 years
(Cl. D42—4)



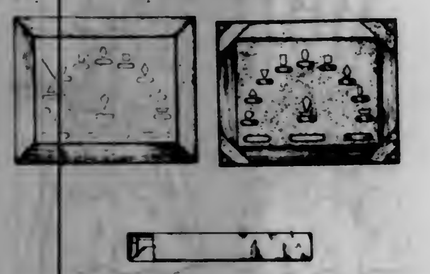
The ornamental design for a wall bracket lighting fixture, substantially as shown and described.

164,909
COMBINATION TOOL
Alvah W. Fowler, Fort Worth, Tex., assignor to William A. Uitz, Fort Worth, Tex.
Application March 17, 1951, Serial No. 14,530
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a combination tool, substantially as shown.

164,910
GEM DISPLAY CASE
Stanley H. Freeman, Larchmont, N. Y.
Application April 1, 1950, Serial No. 8,922
Term of patent 14 years
(Cl. D60—5)



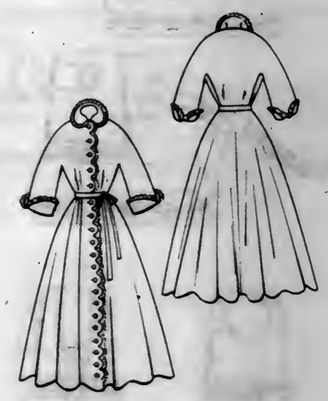
The ornamental design for a gem display case, substantially as shown.

164,911
NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application April 26, 1951, Serial No. 14,972
Term of patent 7 years
(Cl. D3—26)



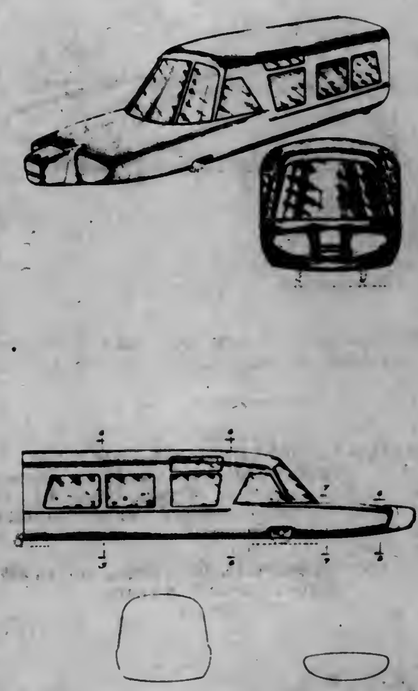
The ornamental design for a negligee, substantially as shown.

164,912
NEGLIGEE
Violet Giovagnoni, New York, N. Y.
Application June 14, 1951, Serial No. 15,536
Term of patent 7 years
(Cl. D3—26)



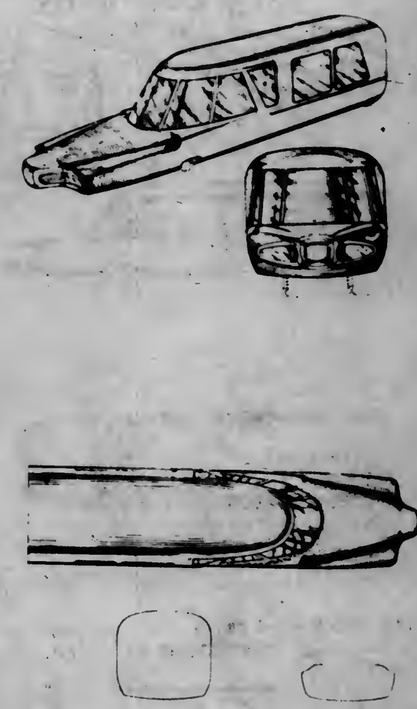
The ornamental design for a negligee, substantially as shown.

164,913
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 18, 1950, Serial No. 13,046
Term of patent 14 years
(Cl. D66—1)



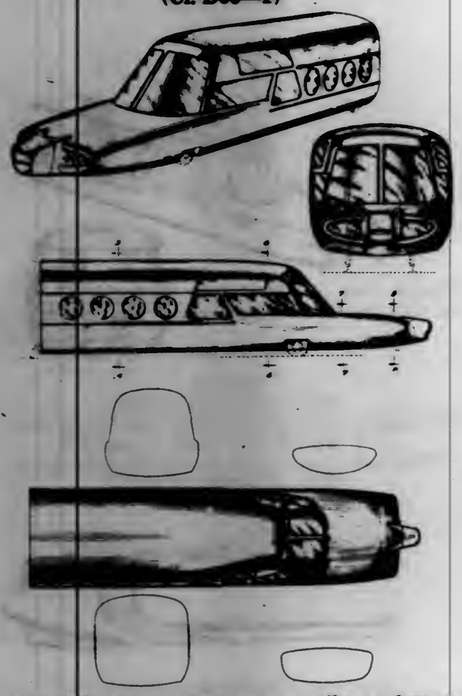
The ornamental design for a railway observation car body, substantially as shown and described.

164,914
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 13, 1950, Serial No. 13,417
Term of patent 14 years
(Cl. D66—1)



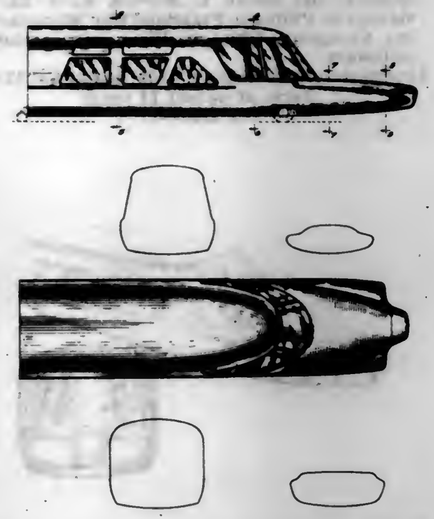
The ornamental design for a railway observation car body, substantially as shown and described.

164,915
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 29, 1950, Serial No. 13,512
Term of patent 14 years
(Cl. D66—1)



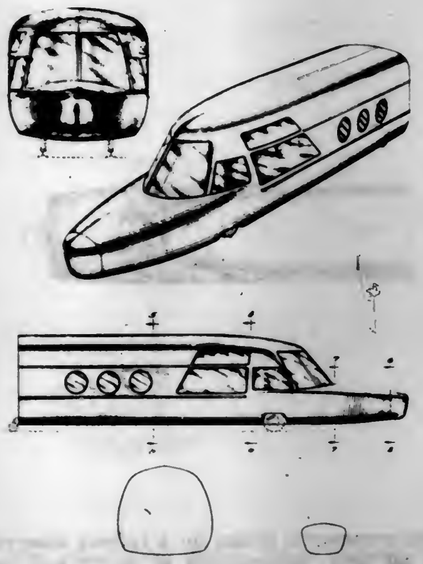
The ornamental design for a railway observation car body, substantially as shown and described.

164,916—Continued

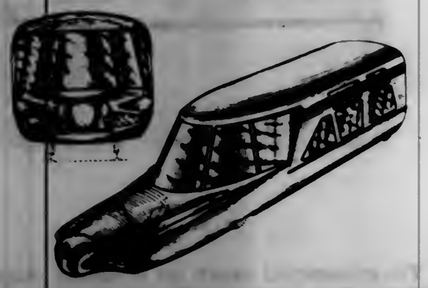


The ornamental design for a railway observation car body, substantially as shown and described.

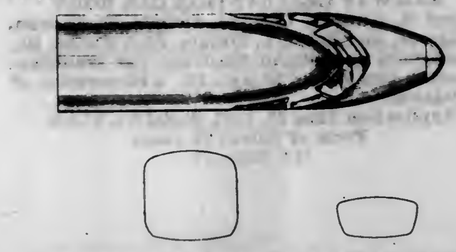
164,917
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 20, 1951, Serial No. 13,897
Term of patent 14 years
(Cl. D66—1)



164,916
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1950, Serial No. 13,630
Term of patent 14 years
(Cl. D66—1)

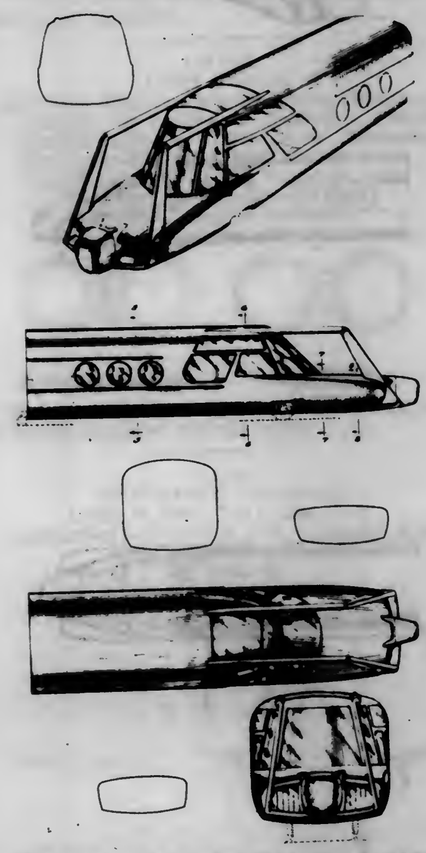


164,917—Continued



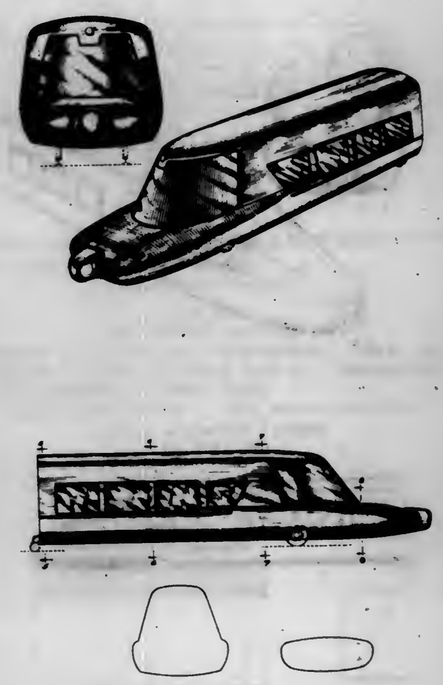
The ornamental design for a railway observation car body, substantially as shown and described.

164,918
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 24, 1951, Serial No. 13,944
Term of patent 14 years
(Cl. D66—1)



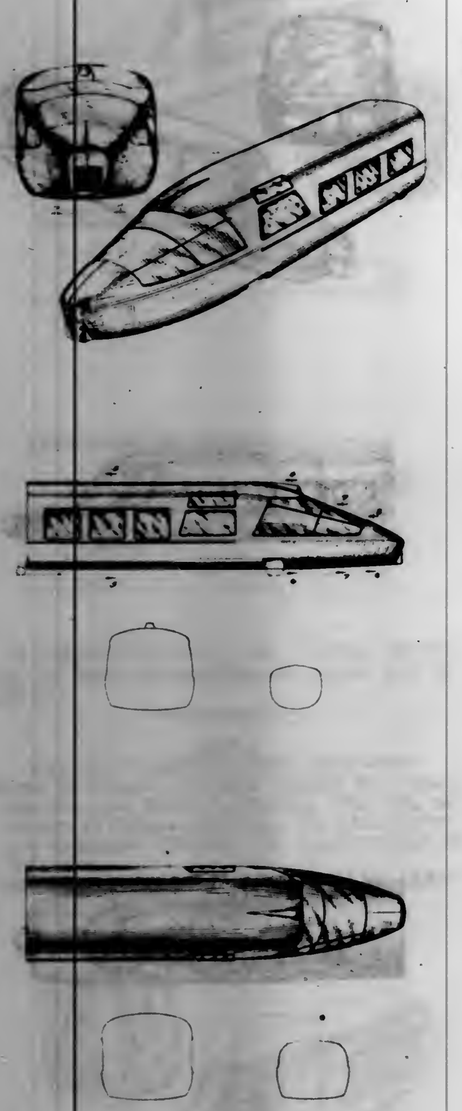
The ornamental design for a railway observation car body, substantially as shown and described.

164,919
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 3, 1951, Serial No. 14,098
Term of patent 14 years
(Cl. D66—1)



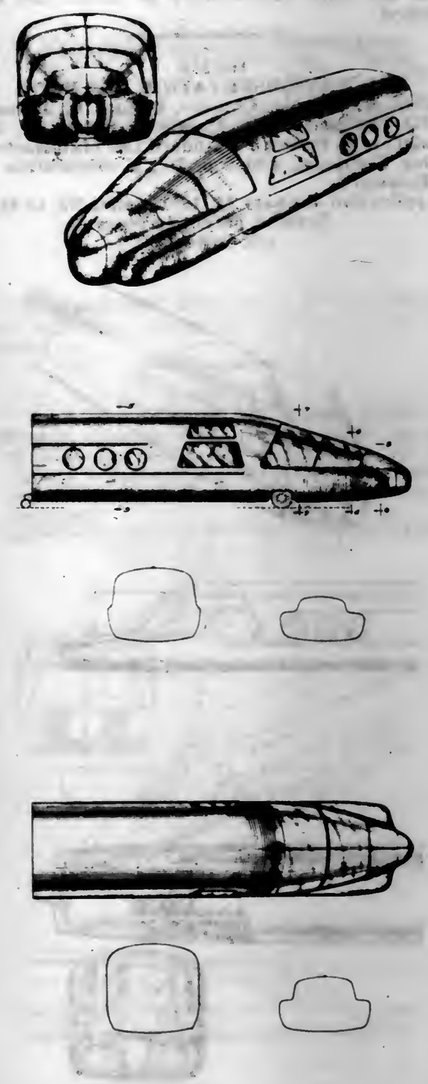
The ornamental design for a railway observation car body, substantially as shown and described.

164,920
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Niles, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 16, 1951, Serial No. 14,854
Term of patent 14 years
(Cl. D66—1)



The ornamental design for a railway observation car body, substantially as shown and described.

164,921
RAILWAY OBSERVATION CAR BODY
Alfred B. Girardy, Chicago, Donald W. Doman, Harvey, and Ralph E. Meyers, Park Forest, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 26, 1951, Serial No. 15,666
Term of patent 14 years
(Cl. D66—1)



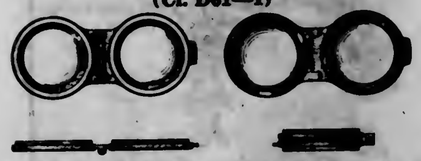
The ornamental design for a railway observation car body, substantially as shown and described.

164,922
TEXTILE FABRIC
Bernard D. Gould, New York, N. Y.
Application March 30, 1949, Serial No. 1,720
Term of patent 14 years
(Cl. D92—1)



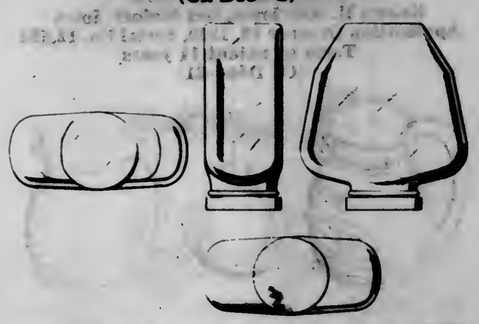
The ornamental design for a textile fabric, as shown and described.

164,923
LENS COVER
Reinhold Heidecke, Braunschweig, Germany, assignor to Franke & Heidecke, Fabrik Photographischer Präzisions - Apparate, Braunschweig, Germany, a firm
Application May 8, 1950, Serial No. 9,808
In Germany November 8, 1949
Term of patent 14 years
(Cl. D61—1)



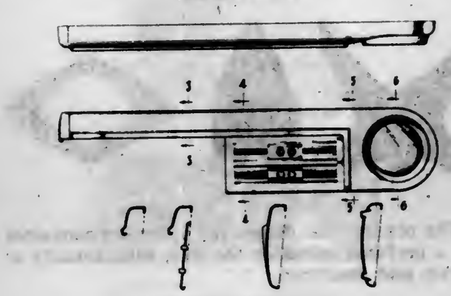
The ornamental design, for a lens cover, substantially as shown and described.

164,924
CONTAINER FOR DOLL
Lester F. Hinz, Los Gatos, Calif.
Application December 6, 1949, Serial No. 6,443
Term of patent 14 years
(Cl. D58—8)



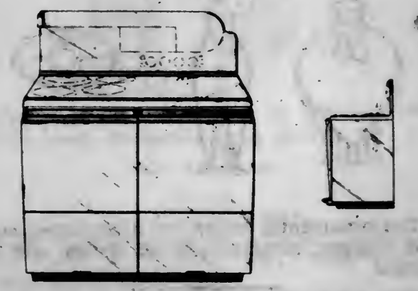
The ornamental design for a container for doll, as shown.

164,925
BACKGUARD PANEL FOR COOKING STOVES
Richard E. Hitchcock, Birmingham, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application January 26, 1950, Serial No. 7,481
Term of patent 7 years
(Cl. D81—25)



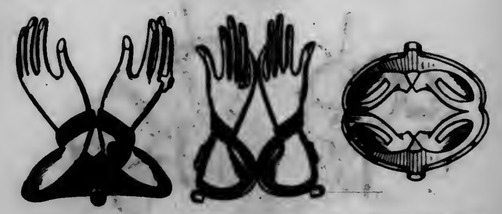
The ornamental design for a backguard panel for cooking stoves, as shown.

164,926
KITCHEN RANGE
Richard E. Hitchcock, Birmingham, Mich., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 1, 1950, Serial No. 8,235
Term of patent 7 years
(Cl. D81—4)



The ornamental design for a kitchen range, substantially as shown and described.

164,927
DISPLAY CONTAINER FOR A PERFUME BOTTLE OR THE LIKE
William W. Hobé, New York, N. Y.
Application June 18, 1951, Serial No. 15,593
Term of patent 3½ years
(Cl. D80—5)



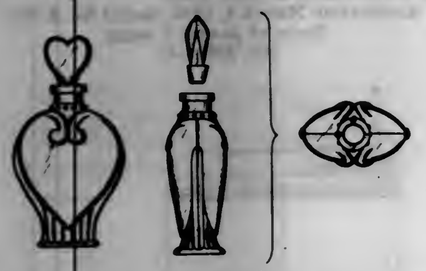
The ornamental design for a display container for a perfume bottle or the like, substantially as shown and described.

164,928
DISPLAY CONTAINER FOR A PERFUME BOTTLE OR THE LIKE
William W. Hobé, New York, N. Y.
Application June 18, 1951, Serial No. 15,594
Term of patent 3½ years
(Cl. D58—5)



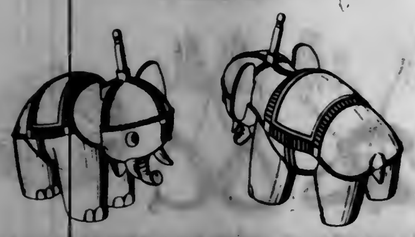
The ornamental design for a display container for a perfume bottle or the like, substantially as shown and described.

164,929
COMBINED BOTTLE AND STOPPER
William W. Hobé, New York, N. Y.
Application June 18, 1951, Serial No. 15,595
Term of patent 3½ years
(Cl. D58—8)



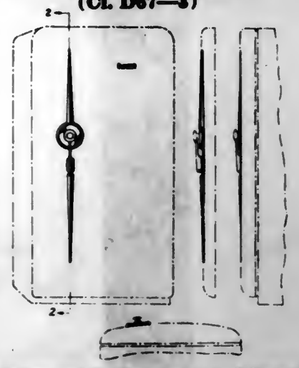
The ornamental design for a combined bottle and stopper, substantially as shown and described.

164,930
TOY ELEPHANT
Norman Hollis, London, England, assignor to Rosedale Associated Manufacturers Limited, London, England, a British company
Application February 14, 1951, Serial No. 14,210
In Great Britain January 1, 1951
Term of patent 14 years
(Cl. D34—3)



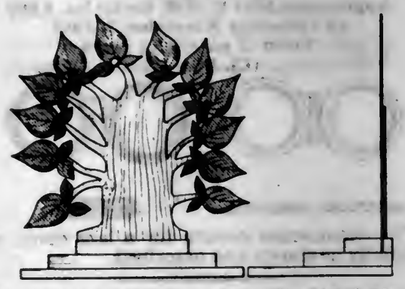
The ornamental design for a toy elephant, as shown.

164,931
REFRIGERATOR CABINET
Richard Bolton Janes, Baldwin Lake, Greenville, and James W. Snider, Buchanan, Mich., assignors to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application January 18, 1951, Serial No. 13,858
Term of patent 7 years
(Cl. D67—3)



The ornamental design for a refrigerator cabinet, substantially as shown and described.

164,932
DISPLAY DEVICE
Rica E. Kaplan, New York, N. Y.
Application February 19, 1951, Serial No. 14,274
Term of patent 14 years
(Cl. D60—1)



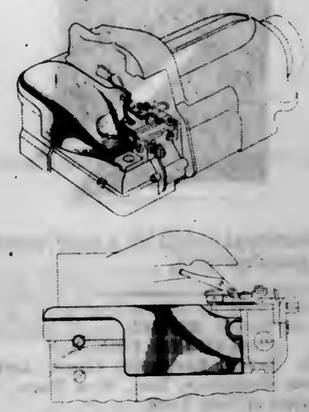
The ornamental design for a display device, as shown and described.

164,933
DRIPLESS PITCHER
Robert H. Killebrew, Des Moines, Iowa
Application October 12, 1950, Serial No. 12,534
Term of patent 14 years
(Cl. D44—21)



The ornamental design for a dripless pitcher, substantially as shown and described.

164,934
CLOTH-PLATE FOR A SEWING MACHINE
Nicholaus Knaus, Cranford, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 26, 1951, Serial No. 14,624
Term of patent 14 years
(Cl. D76—2)



The ornamental design for a cloth-plate for a sewing machine, as shown and described.

164,935
ANIMATED DECORATIVE LAMP
Aubrey B. Leech, Los Angeles, Calif.
Application May 8, 1950, Serial No. 9,776
Term of patent 7 years
(Cl. D48—20)



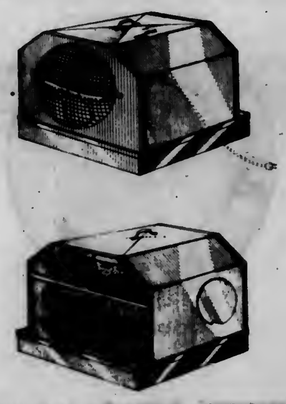
The ornamental design for an animated decorative lamp, substantially as shown.

164,936
ANIMATED DECORATIVE LAMP
Aubrey B. Leech, Los Angeles, Calif.
Application May 8, 1950, Serial No. 9,777
Term of patent 7 years
(Cl. D48—20)



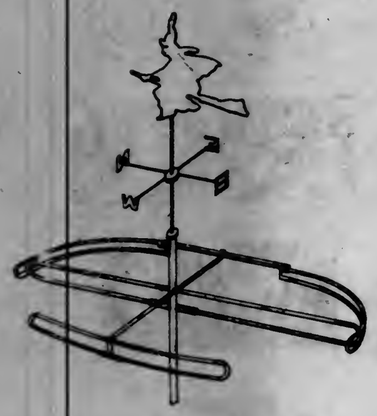
The ornamental design for an animated decorative lamp, substantially as shown.

164,937
AIR CONDITIONER
John E. Long, Chico, Calif., assignor to Portable Air Cooler and Heating, Inc., Chico, Calif., a corporation of California
Application October 10, 1949, Serial No. 5,413
Term of patent 14 years
(Cl. D62—4)



The ornamental design for an air conditioner, as shown.

164,938
COMBINED ANTENNA AND WEATHER VANE
Eugene F. McDonald, Jr., Chicago, Ill.
Application February 16, 1951, Serial No. 14,232
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a combined antenna and weather vane, substantially as shown.

164,939
DINNER PLATE OR SIMILAR ARTICLE
Charles H. McKaig, Camillus, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application April 2, 1951, Serial No. 14,694
Term of patent 14 years
(Cl. D44—15)



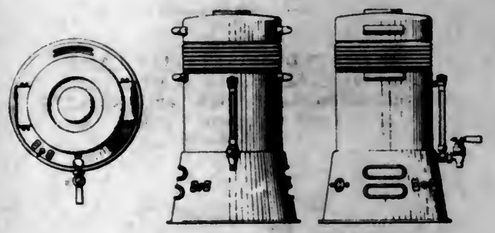
The ornamental design for a dinner plate or similar article, as shown and described.

164,940
SCARF
Vera Neumann, Ossining, N. Y.
Application February 1, 1951, Serial No. 14,071
Term of patent 7 years
(Cl. D3—12)



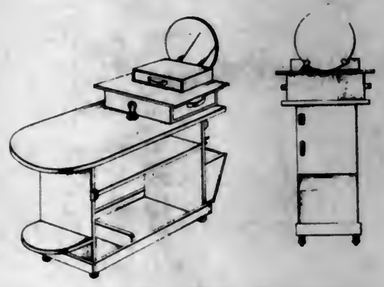
The ornamental design for a scarf, substantially as shown and described.

164,941
COFFEE URN
Thomas G. Nevell, Riverside, Conn., assignor to Tricolator Company, Inc., New York, N. Y., a corporation of New York
Application March 30, 1950, Serial No. 8,867
Term of patent 14 years
(Cl. D44—26)

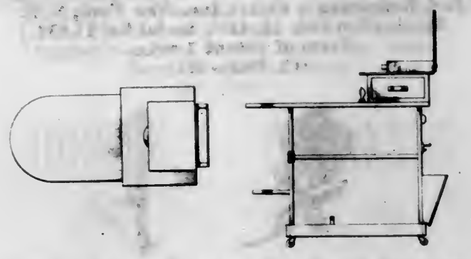


The ornamental design for a coffee urn, substantially as shown.

164,942
SERVING BAR
Edward N. Panole, Shawnee, Okla.
Application August 6, 1951, Serial No. 16,167
Term of patent 7 years
(Cl. D32—14)

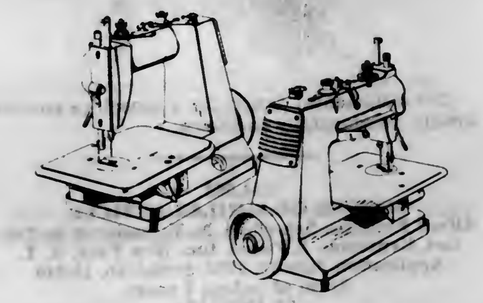


164,942—Continued



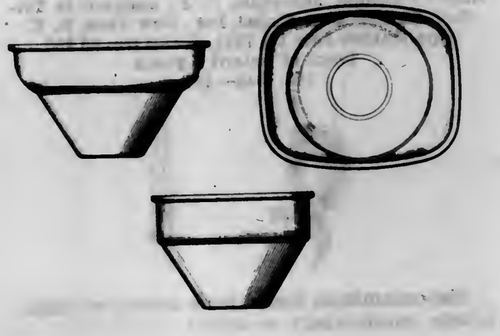
The ornamental design for a serving bar, as shown.

164,943
SEWING MACHINE
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application August 9, 1951, Serial No. 16,214
Term of patent 14 years
(Cl. D70—1)



The ornamental design for a sewing machine, substantially as shown.

164,944
ELECTRONIC TUBE BODY
Oscar A. Pearson, Oak Park, Ill., assignor to Webster-Chicago Corporation, Chicago, Ill., a corporation of Illinois
Application September 13, 1950, Serial No. 12,173
Term of patent 7 years
(Cl. D26—8)

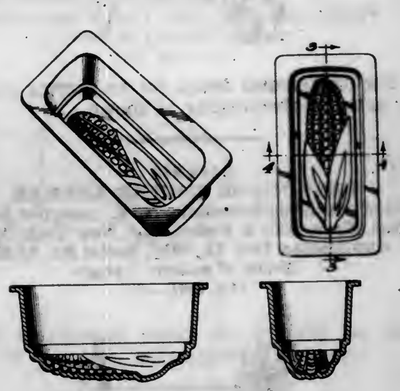


164,944—Continued



The ornamental design for an electronic tube body, as shown.

164,945
TRAY
Leo Peters, Evanston, Ill.
Application January 23, 1951, Serial No. 13,914
Term of patent 14 years
(Cl. D44—10)



The ornamental design for a tray, as shown.

164,946
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,833
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,947
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,834
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,948
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,835
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,949
EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,836
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

164,950
PIN CLIP OR THE LIKE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,837
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a pin clip or the like, substantially as shown.

164,951
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,838
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,952
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,839
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

164,953
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 12, 1951, Serial No. 15,840
Term of patent 7 years
(Cl. D45—19)



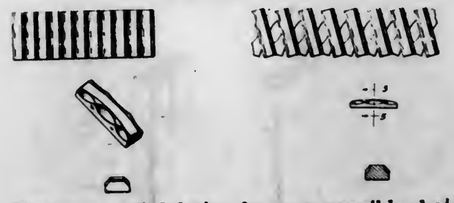
The ornamental design for a brooch or similar article, substantially as shown.

164,954
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application July 13, 1951, Serial No. 15,857
Term of patent 7 years
(Cl. D45—19)



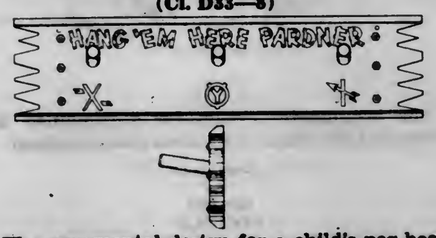
The ornamental design for a brooch or similar article, substantially as shown.

164,955
EXPANSIBLE CHAIN
Eugen Prestinari, Short Hills, and John F. Sand, Newark, N. J., assignors to Gemex Company, Union, N. J., a corporation of New Jersey
Application June 4, 1951, Serial No. 15,412
Term of patent 7 years
(Cl. D45—4)



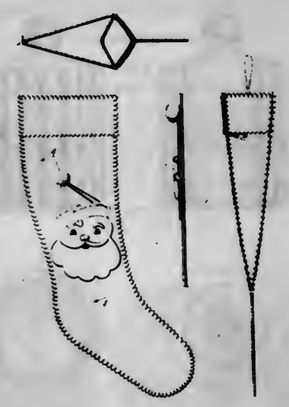
The ornamental design for an expansible chain, substantially as shown and described.

164,956
CHILD'S PEG BOARD CLOTHES HANGER
Gordon A. Price, Canton, Ohio
Application July 3, 1951, Serial No. 15,752
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a child's peg board clothes hanger, substantially as shown.

164,957
CHRISTMAS STOCKING
Loretta Reagor, Shreveport, La.
Application June 16, 1950, Serial No. 10,559
Term of patent 3½ years
(Cl. D47—7)



The ornamental design for a Christmas stocking, as shown.

164,958
MASK FOR DISGUISE OR THE LIKE
William A. Redlin, Encino, Calif., assignor to Redlin Productions, Inc., Los Angeles, Calif., a corporation of California
Application April 7, 1951, Serial No. 14,746
Term of patent 14 years
(Cl. D34—2)



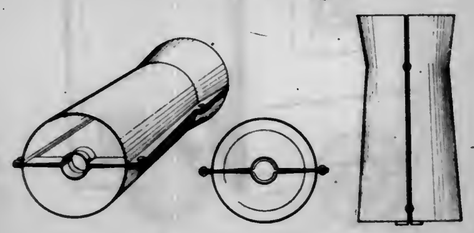
The ornamental design for a mask for disguise or the like, substantially as shown.

164,959
MASK FOR DISGUISE OR THE LIKE
William A. Redlin, Encino, Calif., assignor to Redlin Productions, Inc., Los Angeles, Calif., a corporation of California
Application April 7, 1951, Serial No. 14,747
Term of patent 14 years
(Cl. D34—2)



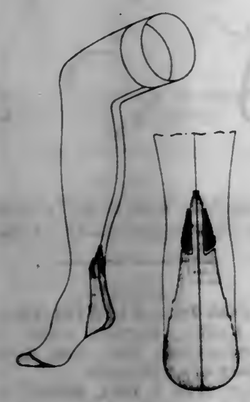
The ornamental design for a mask for disguise or the like, substantially as shown.

164,960
AUTOMOBILE EXHAUST PIPE EXTENSION
Linus E. Russell, Springfield, Ohio, assignor to Peters & Russell, Inc., Springfield, Ohio, a corporation of Ohio
Application March 4, 1948, Serial No. 144,894
Term of patent 14 years
(Cl. D14—6)



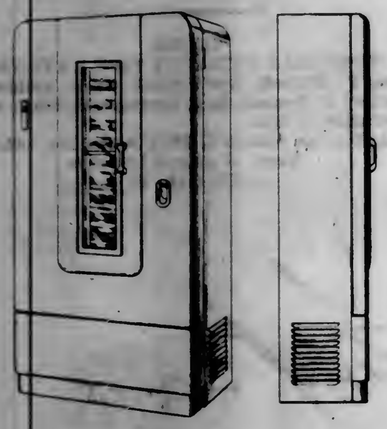
The ornamental design for an automobile exhaust pipe extension, substantially as shown.

164,961
LADY'S STOCKING
Richard E. Schletter, Cheltenham Township, Montgomery County, Pa., assignor to Signature Hosiery Company, North Wales, Pa., a corporation of Pennsylvania
Application February 20, 1951, Serial No. 14,277
Term of patent 14 years
(Cl. D47—7)



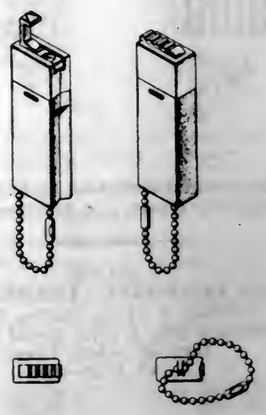
The ornamental design for a lady's stocking, as shown.

164,962
BOTTLED DRINK COOLER
Warner Schumacher, Kansas City, Mo., assignor to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application July 31, 1950, Serial No. 11,495
Term of patent 14 years
(Cl. D67—3)



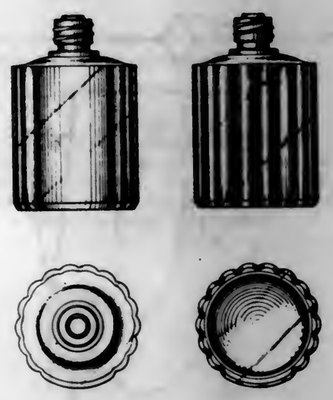
The ornamental design for a bottled drink cooler, as shown and described.

164,963
COMBINED KEY CHAIN AND FLASHLIGHT
Sidney Schwartz, New York, N. Y., assignor to Bantam-Lite, Inc., New York, N. Y., a corporation of New York
Application March 19, 1951, Serial No. 14,537
Term of patent 14 years
(Cl. D48—24)



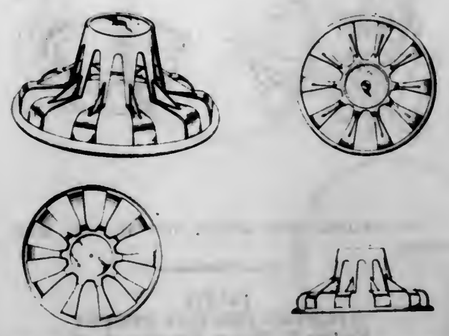
The ornamental design for a combined key chain and flashlight, as shown and described.

164,964
BOTTLE
Javier Serra, New York, N. Y., assignor to Les Parfums De Dana, Inc., New York, N. Y., a corporation of New York
Application June 18, 1951, Serial No. 15,577
Term of patent 14 years
(Cl. D58—8)



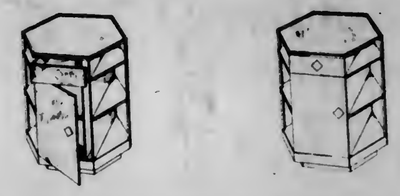
The ornamental design for a bottle, as shown.

164,965
FRAME FOR A ROTATABLE CONDIMENT RACK
William B. Sewell, Los Angeles, Calif., assignor to Sewell Products Inc., Los Angeles, Calif., a corporation of California
Application February 26, 1951, Serial No. 14,319
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a frame for a rotatable condiment rack, as shown.

164,966
TABOURET
William L. Snyder, New York, N. Y.
Application May 22, 1951, Serial No. 15,282
Term of patent 7 years
(Cl. D33—19)



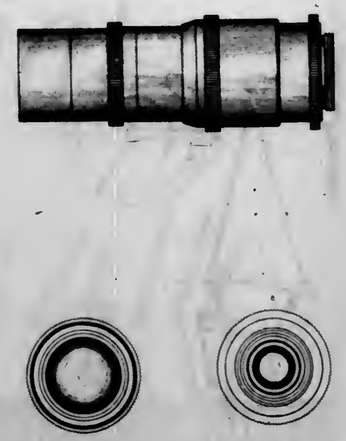
The ornamental design for a tabouret, substantially as shown and described.

164,967
PHOTOGRAPHIC LENS MOUNT
Edward A. Springer, Irondequoit, and George K. Czarnikow, Greece, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application October 7, 1948, Serial No. 148,993
Term of patent 14 years
(Cl. D61—1)



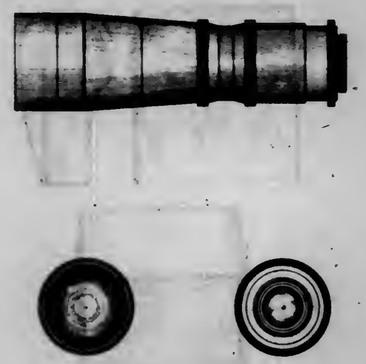
The ornamental design for a photographic lens mount, substantially as shown and described.

164,968
PHOTOGRAPHIC LENS MOUNT
Edward A. Springer, Irondequoit, and George K. Czarnikow, Greece, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application October 7, 1948, Serial No. 148,994
Term of patent 14 years
(Cl. D61—1)



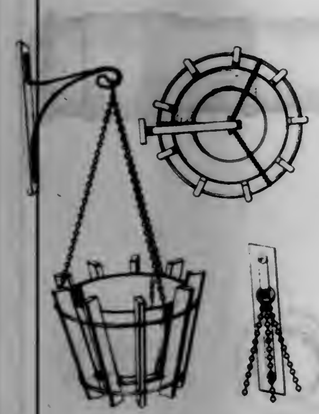
The ornamental design for a photographic lens mount, substantially as shown and described.

164,969
PHOTOGRAPHIC LENS MOUNT
Edward A. Springer, Irondequoit, and George K. Czarnikow, Greece, N. Y., assignors to Wollensak Optical Company, Rochester, N. Y., a corporation of New York
Application October 7, 1948, Serial No. 148,995
Term of patent 14 years
(Cl. D61—1)



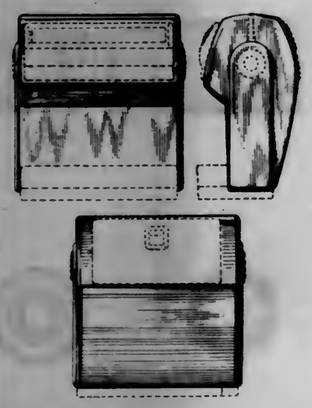
The ornamental design for a photographic lens mount, substantially as shown and described.

164,970
COMBINED HANGING PLANT HOLDER AND BRACKET THEREFOR
Everett F. A. Strandell, Aurora, Ill., assignor to Novel Craft Manufacturing Company, Inc., Aurora, Ill., a corporation of Illinois
Application July 12, 1949, Serial No. 3,853
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a combined hanging plant holder and bracket therefor, as shown.

164,971
TOWER SCALE
Glenn W. Tammen, Park Ridge, Ill., assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application June 28, 1950, Serial No. 10,862
Term of patent 14 years
(Cl. D52—10)



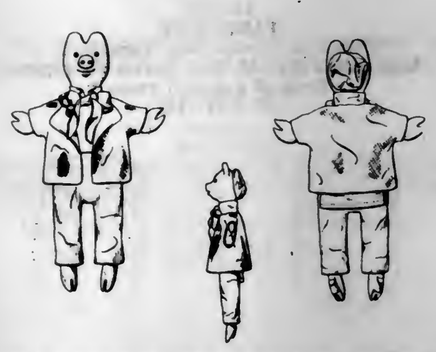
The ornamental design for a tower scale, as shown and described.

164,972
ASH TRAY
Julius Tschudi, Montreal, Quebec, Canada
Application September 15, 1950, Serial No. 12,207
Term of patent 7 years
(Cl. D85—2)



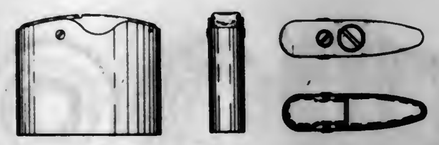
The ornamental design for an ash tray, as shown.

164,973
STUFFED PIG TOY PUPPET
Esther V. Wong, Jamaica, N. Y.
Application March 15, 1951, Serial No. 14,500
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a stuffed pig toy puppet, substantially as shown.

164,974
CIGARETTE LIGHTER
Cecil B. Woofter, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application December 26, 1950, Serial No. 13,564
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a cigarette lighter, as shown.

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce
CHARLES SAWYER, *Secretary*

U. S. Patent Office
JOHN A. MARZALL, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

164,970

COMBINED HANGING BEAM BALANCE AND

164,972

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A. & R. Lettuce Company, Salinas, Calif. Fresh vegetables. Serial No. 597,051, Oct. 30. Class 46.

Abbott Laboratories, North Chicago, Ill. Medicated solution. Serial No. 548,218, Oct. 30. Class 18.

Abercrombie, David T., Company, New York, N. Y. Pocket heaters. Serial No. 590,569, Oct. 30. Class 34.

Absalon Brands, Inc., New York, N. Y. Cheeses. Serial No. 611,464, Oct. 30. Class 46.

Aldens, Inc., Chicago, Ill. Bicycles, motor scooters, and motorcycles. Serial Nos. 611,007–8, Oct. 30. Class 19.

Allied Chemical & Dye Corporation, New York, N. Y. Detergent. Serial No. 590,477, Oct. 30. Class 52.

Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Surface type heat exchangers, direct contact heat exchangers, deaerating heaters, etc. Serial No. 613,892, Oct. 30. Class 34.

Alma Artcraft Co., Inc., New York, N. Y. Printing services. Serial No. 591,602, Oct. 30. Class 101.

Almaden-Madrone Vineyards: *See*—
Madrone Vineyards.

Alumac Chemical Company, Inc., Oklahoma City, Okla. Preparation for the relief of stomach distress. Serial No. 600,751, Oct. 30. Class 18.

Alumatic Corporation of America, West Allis, Wis. Combination storm-screens. Serial No. 602,819, Oct. 30. Class 12.

American Chicle Company, Long Island City, N. Y. Chewing gum. Serial No. 572,010, Oct. 30. Class 46.

American Felt Company, Glenville, Conn. Felt and felting. Serial No. 607,734, Oct. 30. Class 50.

American Hair & Felt Company, Chicago, Ill. Hair carpet cushions. Serial No. 575,319, Oct. 30. Class 50.

American Stores Company, Philadelphia, Pa. Olives. Serial No. 590,058, Oct. 30. Class 46.

American Tobacco Company, The, New York, N. Y. Smoking tobacco. Serial No. 593,579, Oct. 30. Class 17.

Animal Trap Company of America, Lititz, Pa. Traps. Serial No. 606,646, Oct. 30. Class 50.

Apex Tire & Rubber Co., Pawtucket, R. I. Synthetic copolymer sheet material. Serial No. 585,737, Oct. 30. Class 50.

Arakelian, K., Inc., doing business as Mission Bell Wineries and Mission Wineries, Madera, and as Mission Wineries, Escalon, Calif. Wines and champagnes. Serial No. 607,975, Oct. 30. Class 47.

Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Core binder oil. Serial No. 603,281, Oct. 30. Class 5.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Hair waving lotion and neutralizer. Serial No. 593,852, Oct. 30. Class 51.

Armour and Company, Chicago, Ill. Soap. Serial No. 529,850, Oct. 30. Class 52.

Armour and Company, Chicago, Ill. Vegetable shortening. Serial No. 548,458, Oct. 30. Class 46.

Atlas Overhead Door Company, Quakertown, Pa. Doors. Serial No. 593,645, Oct. 30. Class 12.

Audrea du Val Laboratories: *See*—
Ferfuson, J. T.

Auger, Alas E., Old Orchard Beach, Maine. Candy. Serial No. 531,749, Oct. 30. Class 46.

B. B. Chemical Co., Boston, Mass., Thermoplastic cement. Serial No. 568,488, Oct. 30. Class 5.

Baker, L. Lyle, doing business as L. Lyle Baker Co., Bismarck, Mo. Revolving hardware racks. Serial No. 566,826, Oct. 30. Class 13.

Baker, L. Lyle, Co.: *See*—
Baker, L. Lyle.

Ballymore Company, The, Wayne, Pa. Ladders. Serial No. 606,504, Oct. 30. Class 50.

Barker Poultry Equipment Co., Ottumwa, Iowa. Poultry feeding batteries, poultry wire coops, and poultry water fountains. Serial No. 592,298, Oct. 30. Class 50.

Barr, G., and Company, Chicago, Ill. Bleaching peroxide, nail polish remover, brilliantine, etc. Serial No. 595,934, Oct. 30. Class 51.

Beatrice Foods Co., Chicago, Ill. Bread mix. Serial No. 600,251, Oct. 30. Class 46.

Bellows & Company, Inc., New York, N. Y. Whiskey. Serial No. 608,808, Oct. 30. Class 49.

Bellows & Company, Inc., New York, N. Y. Whiskey. Serial No. 608,812, Oct. 30. Class 49.

Binney & Smith Company, New York, N. Y. Painting powder. Serial No. 609,356, Oct. 30. Class 16.

Bischoff, Ernst, Company, Inc., Ivoryton, Conn. Pharmaceutical preparation. Serial No. 607,414, Oct. 30. Class 18.

Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Matches. Serial No. 609,472, Oct. 30. Class 9.

Blanchard Electric Mfg. Co., Chicago, Ill., now by change of name Sealine Manufacturing Corp. Electrically heated sealing tools. Serial No. 609,530, Oct. 30. Class 21.

Blue Magic, Inc., Ardmore, Pa. Liquid starch. Serial No. 575,622, Oct. 30. Class 6.

Bonnee Frozen Products Co.: *See*—
Brown, Samuel.

Boston Woven Hose and Rubber Company, Cambridge, Mass. V-belts. Serial No. 577,362, Oct. 30. Class 35.

Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Compound for removing rust and scale from radiators. Serial No. 603,434, Oct. 30. Class 52.

Brasington Corporation, Cincinnati, Ohio, assignor to Troy Engine & Machine Company, York, Pa. Motor driven, high speed, three-roll mills. Serial No. 586,233, Oct. 30. Class 23.

Breon, George A., & Company, New York, N. Y. Lipotropic agent. Serial No. 610,819, Oct. 30. Class 18.

Briarcliff Mills, Atlanta, Ga. Ladies' undergarments. Serial No. 609,627, Oct. 30. Class 39.

Broussard's of New Orleans, Miami Beach, Fla. Food sauces. Serial No. 605,090, Oct. 30. Class 46.

Brown-Brockmeyer Company, The, Dayton, Ohio. Electrical motors. Serial No. 579,965, Oct. 30. Class 21.

Brown, Samuel, doing business under the name and style Bonnee Frozen Products Co., University City, Mo. Finely chopped beef. Serial No. 587,423, Oct. 30. Class 46.

Bulletin Company, Philadelphia, Pa. Information service. Serial No. 543,252, Oct. 30. Class 107.

Bulletin Company, Philadelphia, Pa. Information service. Serial No. 543,254, Oct. 30. Class 107.

Burford Automotive Finishes: *See*—
Burford, Jack W.

Burford, Jack W., doing business under the fictitious name and style of Burford Automotive Finishes, Venice, Calif. Automobile body protective coating cream waxes. Serial No. 556,406, Oct. 30. Class 16.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. Serial No. 594,883, Oct. 30. Class 42.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black to be used as a pigment in paints. Serial No. 592,300 Oct. 30. Class 16.

Canvas Specialty Company, New York, N. Y. Heat insulated canvas and plastic bags and canvas bags. Serial No. 557,499, Oct. 30. Class 2.

Carnation Company, Los Angeles, Calif. Feed concentrate. Serial No. 610,508, Oct. 30. Class 46.

Century Metalcraft Corporation, Los Angeles, Calif. General cleaning compound. Serial No. 573,645, Oct. 30. Class 52.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Turpentine. Serial No. 574,894, Oct. 30. Class 16.

Chemico, Inc., Cuyahoga Falls, Ohio. Retarder of prevulcanization in the vulcanizing of rubbers. Serial No. 609,075, Oct. 30. Class 6.

Chemstrand Corporation, The, Philadelphia, Pa. Synthetic and natural resinous materials. Serial No. 586,620, Oct. 30. Class 1.

Chittick, Howard A., doing business as The Fairfax Biological Laboratory, Clinton Corners, N. Y. Insecticide. Serial No. 563,587, Oct. 30. Class 6.

Cipco Corporation, The, St. Louis, Mo. Hardware. Serial No. 582,770, Oct. 30. Class 13.

Clark, Willie L., Charleston, W. Va. Hair dressing. Serial No. 581,323, Oct. 30. Class 51.

Colorado Seminary (University of Denver), Denver, Colo. Printed posters and graphic charts. Serial No. 572,087, Oct. 30. Class 38.

Consolidated Companies, Inc., Plaquemine, La. Canned fruits and vegetables, canned fruit juices and canned vegetable juices, etc. Serial No. 495,352, Oct. 30. Class 46.

Consolidated Cosmetics, Chicago, Ill. Dry cologne, face powder, lipstick and hand lotion. Serial No. 610,164, Oct. 30. Class 51.

Continental Can Company Inc., New York, N. Y. Paper cups. Serial No. 588,940, Oct. 30. Class 2.

Continental Oil Company, Ponca City, Okla. Lubricating oil. Serial No. 587,250, Oct. 30. Class 15.

Core, John C., Jr., Huntington, W. Va. Non-alcoholic, maltless soft drinks. Serial No. 610,954, Oct. 30. Class 45.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electric capacitors. Serial No. 603,755, Oct. 30. Class 21.

Creasey Company, The, Louisville, Ky. Package coffee and package condiments. Serial No. 597,067, Oct. 30. Class 46.

Cromble, J. & J., Limited, Woodside, Aberdeen, Scotland. Men's and boys' coats, suits, jackets, etc. Serial No. 588,745, Oct. 30. Class 39.

Crosley Broadcasting Corporation, Cincinnati, Ohio. Services consisting of radio program broadcasting. Serial No. 541,098, Oct. 30. Class 104.

Crystal, David, Inc., New York, N. Y. Ladies' dresses, skirts, suits, blouses. Serial No. 611,410, Oct. 30. Class 39.

Culligan Zeolite Company, Northbrook, Ill. Calcium carbonate. Serial No. 609,847, Oct. 30. Class 6.

Cutter Laboratories, Berkeley, Calif. Glass bottles for shipping and dispensing parenteral solutions. Serial No. 582,390, Oct. 30. Class 44.

D'Arrigo Bros. Co. of California, San Jose, Calif. Fresh vegetables. Serial No. 597,435, Oct. 30. Class 46.

Davis, R. Bernard, Okmulgee, Okla. Funeral plan services. Serial No. 591,284, Oct. 30. Class 100.

DeCapio, Andrew, doing business as Globe Cleaning Company, Mansfield, Ohio. Liquid cleaning compound. Serial No. 591,407, Oct. 30. Class 52.

Deere & Company, Moline, Ill. Enamel coatings. Serial No. 608,592, Oct. 30. Class 16.

Diamond Match Company, The, New York, N. Y. Toothpicks. Serial No. 588,278, Oct. 30. Class 44.

Dietzgen, Eugene, Co., Chicago, Ill. Drafting equipment. Serial No. 611,893, Oct. 30. Class 26.

Di Giorgio Fruit Corporation, San Francisco, Calif. Fresh fruits. Serial No. 586,730, Oct. 30. Class 46.

Doll House Company, The: *See*—
Sorensen, Wesley A.

Donovan, F. C., Inc., Boston, Mass. Leather. Serial No. 603,953, Oct. 30. Class 1.

Dracco Corporation, Cleveland, Ohio. Metal awnings, door hoods, and louver awnings. Serial No. 608,861, Oct. 30. Class 12.

Dressel, Fred M., doing business as The Dressel Manufacturing Co., Kingston, N. Y. Non-siphoning bath and cabinet traps. Serial No. 598,069, Oct. 30. Class 13.

Dressel Manufacturing Co., The: *See*—
Dressel, Fred M.

Driscoll, Martin, & Company, Chicago, Ill. Cleansing and revitalising compound. Serial No. 595,065, Oct. 30. Class 52.

Dunhill, Alfred, of London, Inc., New York, N. Y. Compacts containing powder. Serial No. 594,634, Oct. 30. Class 51.

Eastern Chemical Corporation, Reading, Pa. Cleaner for mechanical dishwashing. Serial No. 573,535, Oct. 30. Class 52.

Eisenstadt Manufacturing Company, St. Louis, Mo. Finger rings. Serial No. 579,270, Oct. 30. Class 28.

Eland, S. S., doing business under the style The Quench Company, also under the style Quench Bottling Co. or Quench-Nesbitt Bottling Co. Carbonated citrus-flavored soft drink. Serial No. 535,140–1, Oct. 30. Class 45.

Ely & Walker Dry Goods Company, St. Louis, Mo. Women's dresses. Serial No. 583,528, Oct. 30. Class 39.

Engelton Watch Company, Inc., New York, N. Y. Watches, watch movements, watch cases and parts thereof. Serial No. 599,319, Oct. 30. Class 27.

Enicar, S. A., Lengnau, Switzerland. Watch movements, watches, clocks and watch dials. Serial No. 582,381, Oct. 30. Class 27.

Eterna, S. A., Grenchen, Switzerland. Watches and parts of watches. Serial No. 585,043, Oct. 30. Class 27.

Fairfax Biological Laboratory, The: *See*—
Chittick, Howard A.

Fair View Packing Company, Inc., Hollister, Calif. Canned tomato puree. Serial No. 611,567, Oct. 30. Class 46.

Fair View Packing Company, Inc., Hollister, Calif. Canned tomatoes. Serial No. 611,568, Oct. 30. Class 46.

Farboil Company, The, Baltimore, Md. Paints, waterproofing paints, paint driers, paint enamels, etc. Serial No. 603,513, Oct. 30. Class 16.

Farley Manufacturing Company, Skokie, Ill. Candles. Serial No. 574,223, Oct. 30. Class 46.

Federal Prison Industries, Inc., Washington, D. C. Tobacco products. Serial No. 608,204, Oct. 30. Class 17.

Ferguson, J. T., doing business as Audrea du Val Laboratories, Chicago, Ill. Perfume, toilet water, face powder, etc. Serial No. 595,598, Oct. 30. Class 51.

Ferguson, R. A., Co.: *See*—
Ferguson, Roy A.

Ferguson, Roy A., doing business under the firm name and style of R. A. Ferguson Co., Hollywood Calif. Make-up mirrors. Serial No. 572,964, Oct. 30. Class 32.

Fermlax Chemical Co.: *See*—
Herndon Drug Company, Inc.

Flavor Corporation of America, Chicago, Ill. Stock feed flavors. Serial No. 607,379, Oct. 30. Class 46.

Fletcher-Eichman & Company, Inc., Chicago, Ill. Extracts for flavoring food, food gelatins, etc. Serial No. 540,183, Oct. 30. Class 46.

Florasynth Laboratories, Incorporated, New York, N. Y., and Chicago, Ill. Perfumes, colognes, essences and aromatic chemicals. Serial No. 609,853, Oct. 30. Class 51.

Forman, Ford & Company, Minneapolis, Minn. Moisture-repellent penetrating coating for masonry material. Serial No. 567,250, Oct. 30. Class 12.

Frieder, S., & Sons Company, The, Cincinnati, Ohio, and Philadelphia, Pa. Cigars. Serial No. 606,194, Oct. 30. Class 17.

Funsten Company: *See*—
Funsten, James J.

Funsten, James J., doing business as Funsten Company, San Francisco, Calif. Canned salmon, tuna, crab, etc. Serial No. 538,392, Oct. 30. Class 46.

Gallagher & Burton, Inc., Bristol, Pa. Alcoholic beverage. Serial No. 609,034, Oct. 30. Class 49.

Garden State Dairy Laboratory: *See*—
Klein, Mathew.

Garden State Seed Co., Inc., Newark, N. J. Lawn seed mixtures. Serial No. 607,668, Oct. 30. Class 1.

Geigy Company, Inc., New York, N. Y. Preparation for killing weeds and destroying vermin, rodenticides, and disinfectants. Serial No. 609,546, Oct. 30. Class 6.

Gemmer Manufacturing Company, Detroit, Mich. Steering gears. Serial No. 604,965, Oct. 30. Class 19.

General Refractories Company, Philadelphia, Pa. Superduty silica refractory brick. Serial No. 608,308, Oct. 30. Class 12.

Giovinazzi, C. A., & Sons: *See*—
Giovinazzi, Robert A.

Giovinazzi, Robert A., doing business under the name of Jeanne Doll Produce, assignor to C. A. Giovinazzi & Sons, Vineland, N. J. Fresh produce. Serial No. 562,637, Oct. 30. Class 46.

Gits Bros. Mfg. Co., Chicago, Ill. Seals for rotating shafts. Serial No. 582,285, Oct. 30. Class 35.

Globe Cleaning Company: *See*—
De Capio, Andrew.

Glowsand Company, Trenton, N. J. Beads of transparent glass. Serial No. 596,572, Oct. 30. Class 33.

Goodman-Kleiner Co., Inc., New York, N. Y. Hospital and sick room supplies. Serial No. 568,730, Oct. 30. Class 44.

Gorman, Marilyn, doing business as The Marilyn Shoppe, Rye, N. Y. Perfume. Serial No. 593,114, Oct. 30. Class 51.

Gould, Bergman & Gould, Inc., New York, N. Y. Children's wash suits, jumpers, overalls, etc. Serial No. 585,839, Oct. 30. Class 39.

Green Giant Company, Le Sueur, Minn. Frozen peas. Serial No. 610,213, Oct. 30. Class 46.

Greenblatt, Simon, & Son, Inc., New York, N. Y. Ladies' hair brushes. Serial Nos. 610,060–1, Oct. 30. Class 29.

Greene-Wolf Co. Incorporated, The, Brooklyn, N. Y. Metal piping, metal tubing, valves, etc. Serial No. 531,788, Oct. 30. Class 13.

H & D American Machine Company, South Attleboro, Mass. Anti-friction spindles and parts thereof. Serial No. 607,124, Oct. 30. Class 23.

Haase, Wilbert W., Co., Forest Park, Ill. Burial vaults. Serial No. 598,723, Oct. 30. Class 2.

Hadley, Charles R., Company, Los Angeles, Calif. Partially printed forms, and on binders and covers for enclosing forms. Serial No. 601,727, Oct. 30. Class 37.

Hanlon & Goodman Co., Belleville, N. J. Wall brushes, stucco brushes, varnish brushes, etc. Serial No. 597,272, Oct. 30. Class 29.

Harrower Laboratory, Inc., The, Glendale, Calif. Antacid and adsorbent for treatment of gastrointestinal conditions. Serial No. 587,486, Oct. 30. Class 18.

Henny Penny, Inc., Salt Lake City, Utah. Packaged turkey portions. Serial No. 599,828, Oct. 30. Class 46.

Herndon Drug Company, Inc., doing business as Fermlax Chemical Co., Elberton, Ga. Medicine in the form of an alkaline powder. Serial No. 597,075, Oct. 30. Class 18.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides for belts, etc. Serial No. 585,931, Oct. 30. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides for belts, etc. Serial No. 585,934, Oct. 30. Class 28.

Hickok Manufacturing Co. Inc., Rochester, N. Y. Belt buckles and slides, jewelry. Serial No. 598,015, Oct. 30. Class 28.

Hirsch-Weis Canvas Products Co.: *See*—
White-Stag Manufacturing Corporation.

Holeproof Hosiery Co., Milwaukee, Wis. Women's slips, gowns, panties, etc. Serial No. 584,453, Oct. 30. Class 39.

Holeproof Hosiery Co., Milwaukee, Wis. Women's panties, slips, nightgowns, etc. Serial No. 611,426, Oct. 30. Class 39.

Hudson Food Products Company, Inc., New York, N. Y. Canned fish. Serial No. 548,965, Oct. 30. Class 46.

Hunter Packing Company, East St. Louis, Ill. Smoked ham. Serial No. 596,725, Oct. 30. Class 46.

Hunter-Wilson Distilling Co., Inc., Bristol, Pa., and New York, N. Y. Alcoholic beverages. Serial No. 588,955, Oct. 30. Class 49.

Hycrest Farms: *See*—
Sawyer, Lester T.

Imperial Chemical Industries Limited, London and Millbank, London, England. Ready-mixed paints, priming paints and finishing paints, etc. Serial No. 594,784, Oct. 30. Class 16.

International Imex Company, Inc., The, New York, N. Y. Wrist watches. Serial No. 608,659, Oct. 30. Class 27.

International Silver Company, The, Meriden, Conn. Silver plated table ware. Serial No. 609,594, Oct. 30. Class 28.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. Serial Nos. 610,075–6, Oct. 30. Class 1.

It Products, Inc., now by change of name Phanton Products, Inc., Kansas City, Kans. Casting rods. Serial No. 568,375, Oct. 30. Class 22.

Ives, Cameron Company, Inc., New York, N. Y. Iron, vitamin and liver fraction compound. Serial No. 608,993, Oct. 30. Class 18.

Jacoby-Bender, Inc., New York, N. Y. Bracelets and watch bracelets. Serial No. 608,041, Oct. 30. Class 28.

Jadow, B., Inc., New York, N. Y. Watch main springs. Serial No. 595,322, Oct. 30. Class 27.

Jeanne Doll Produce: *See*—
Giovinazzi, Robert A.

Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Metal valves. Serial Nos. 573,038–40, Oct. 30. Class 13.

Johansson, John V. R., Gothenburg, Sweden. Tobacco pipes. Serial No. 610,909, Oct. 30. Class 8.

Johnson & Johnson, New Brunswick, N. J. Antiseptics; cosmetics. Serial No. 568,628, Oct. 30. Class 51.

Johnson & Johnson, New Brunswick, N. J. Antiseptics, cosmetics. Serial No. 568,631, Oct. 30. Class 51.

Joseph, Henry, Brooklyn, N. Y. Adhesive cements, glues, and adhesive promoting coatings. Serial No. 475,209, Oct. 30. Class 5.

Keeney Manufacturing Company, The, Newington, Conn. Automatic air vents. Serial No. 604,097, Oct. 30. Class 13.

Kimberly-Clark Corporation, Neenah, Wis. Fiber products in the form of creped wadding, sheets, and fluff. Serial No. 604,581, Oct. 30. Class 1.

King Cole Candies, Inc., Chicago, Ill. Candy. Serial No. 616,838, Oct. 30. Class 46.

Klein, Mathew, doing business as Garden State Dairy Laboratory, Irvington, N. J. Bacteria culture medium. Serial No. 608,007, Oct. 30. Class 6.

Kraft Foods Company, Chicago, Ill. Cheese, grated cheese, etc. Serial No. 586,004, Oct. 30. Class 46.

Kraft Foods Company, Chicago, Ill. Cheese. Serial No. 594,849, Oct. 30. Class 46.

Kremer, Joseph H., doing business under the name and style of Madison Salons, New York, N. Y. Hair shampoo preparation. Serial No. 597,401, Oct. 30. Class 52.

Landenberger, J. W., & Co., Philadelphia, Pa. Hosiery. Serial No. 594,795, Oct. 30. Class 39.

Lane-Wells Company, Los Angeles, Calif. Technical services in the oil fields. Serial No. 579,985, Oct. 30. Class 103.

Lebow, Victor, New York, N. Y. Brassières. Serial No. 610,626, Oct. 30. Class 39.

Ledeen, Hyman, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Pneumatic and hydraulic cylinders, belt and slat conveyors, etc. Serial No. 596,672, Oct. 30. Class 23.

Ledeen Manufacturing Co.: *See*—
Ledeen, Hyman.

Lehigh Coal and Navigation Company, The, Philadelphia, Pa. Coal. Serial No. 609,731, Oct. 30. Class 1.

Lightning Fastener Co. Limited, Saint Catharines, Ontario, Canada. Slide fasteners. Serial No. 612,333, Oct. 30. Class 13.

Liquinet Corporation, Chicago, Ill. Soft wave retaining preparation. Serial No. 610,368, Oct. 30. Class 51.

Little, M. S., Manufacturing Company, The, Hartford, Conn. Traps, sink wastes and sink strainers. Serial No. 597,153, Oct. 30. Class 13.

Louton, Kenneth, doing business as Louton Paint and Varnish Company, Des Plaines, Ill. Ready mixed paints, varnishes, and wood sealers. Serial No. 573,256, Oct. 30. Class 16.

Louton Paint and Varnish Company: *See*—
Louton, Kenneth.

Lowe, Joe, Corporation, New York, N. Y. Bags. Serial No. 579,115, Oct. 30. Class 2.

Lucy Lynne, Inc., Brooklyn, N. Y. Chocolate candies. Serial No. 602,512, Oct. 30. Class 46.

M. & M. Leather Craft Co.: *See*—
Morman, Raymond E.

Macco Oil Tool Company, Houston, Tex. Gas flow control valves. Serial No. 603,534, Oct. 30. Class 13.

Madison Salons: *See*—
Kremer, Joseph H.

Madrone Vineyards, doing business as Almaden-Madrone Vineyards, Madrone, Calif. Wines. Serial Nos. 609,038–41, Oct. 30. Class 47.

Manifold Supplies Company, Brooklyn, N. Y. Mats. Serial No. 581,073, Oct. 30. Class 50.

Marathon Lubricant Co., Inc., Fort Worth, Tex., assignee of Marathon Lubricant Company. Motor oil. Serial No. 517,500, Oct. 30. Class 15.

Marathon Lubricant Company: *See*—
Marathon Lubricant Co., Inc.

Marilyn Shoppe, The: *See*—
Gorman, Marilyn.

Mars, Incorporated, Chicago, Ill. Candy. Serial No. 596,740, Oct. 30. Class 46.

Martell, J. & F., Inc., New York, N. Y. Brandy. Serial No. 560,121, Oct. 30. Class 49.

Martell, J. & F., Inc., New York, N. Y. Brandy. Serial No. 605,219, Oct. 30. Class 49.

Maybelline Co., Chicago, Ill. Eyebrow brushes and mascara brushes. Serial No. 609,247, Oct. 30. Class 29.

McDonald, A. L., Milford, Utah. Tooth and denture powder. Serial No. 606,559, Oct. 30. Class 51.

McKee Glass Company, Jeannette, Pa. Heat resistant glass baking dish. Serial No. 609,937, Oct. 30. Class 32.

Meat Industry Suppliers, Inc., Chicago, Ill. Sausage binder. Serial No. 607,713, Oct. 30. Class 46.

Mesh Weaving Mills Co., North Kansas City, Mo. Mesh bags. Serial No. 596,431, Oct. 30. Class 2.

Mido Hosiery Mills, Inc., New York, N. Y. Hosiery. Serial No. 603,073, Oct. 30. Class 39.

Mine and Smelter Supply Company, The, Denver, Colo. Rock bit grinders, pulverizers, hot millers, etc. Serial No. 602,208, Oct. 30. Class 23.

Mineral Pigments Corporation, Muirkirk, Md. Coloring agents and pigments. Serial No. 601,398, Oct. 30. Class 16.

Mission Bell Wineries and Mission Wineries: *See*—
Arakelian, K., Inc.

Mission Wineries: *See*—
Arakelian, K., Inc.

Modern Packagings, Dallas, Tex. Designing of gift wrappings and advisory and consultation services in gift wrapping. Serial No. 605,044, Oct. 30. Class 100.

Monroe Auto Equipment Company, Monroe, Mich. Vehicle lift. Serial No. 563,076, Oct. 30. Class 23.

Monsanto Chemical Company, St. Louis, Mo. Vinyl resin materials. Serial No. 601,435, Oct. 30. Class 1.

Morco, Inc., Cleveland, Ohio. Finished camshafts and crankshafts. Serial No. 608,463, Oct. 30. Class 23.

Morman, Raymond E., doing business as M. & M. Leather Craft Co., Dallas, Tex. Wrist watch bands, wrist watch straps and wrist watch loops. Serial No. 583,811, Oct. 30. Class 38.

Murray, Arthur, Inc., New York, N. Y. Instruction in dancing. Serial No. 563,865, Oct. 30. Class 107.

Murray White Company, Boston, Mass. Misses' and ladies' dresses. Serial No. 593,197, Oct. 30. Class 39.

Nadeau Laboratory Limited, Montreal, Quebec, Canada. Suppositories. Serial No. 602,279, Oct. 30. Class 18.

National Chinchilla Breeders of America, Incorporated, Salt Lake City, Utah. Services rendered to breeders of live chinchillas. Serial No. 599,576, Oct. 30. Class 100.

National Ideal Company, The, Toledo, Ohio. Egg baskets, chick and poultry boxes. Serial No. 572,512, Oct. 30. Class 2.

National Pressure Cooker Company, Eau Claire, Wis. Starter mechanism for outboard motor. Serial No. 555,615, Oct. 30. Class 23.

Neiman-Marcus, Dallas, Tex. Hairbrushes. Serial No. 607,391, Oct. 30. Class 29.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Cologne, perfume, dusting talcum, etc. Serial No. 593,607, Oct. 30. Class 51.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New England Paint Works, Inc., Goffstown, N. H. Soluble color pigments. Serial No. 603,809, Oct. 30. Class 16.

Northland Engineering & Manufacturing Company, Appleton, Wis. Blowing machines. Serial No. 582,646, Oct. 30. Class 23.

Oak Ridge Manufacturing Company, Charleston, S. C. Fountain pens and mechanical pencils. Serial No. 563,357, Oct. 30. Class 37.

O'Brien Corporation, The, South Bend, Ind. Paints. Serial No. 607,185, Oct. 30. Class 16.

Pacific Grape Products Company, Modesto, Calif. Canned frozen fresh deciduous fruits. Serial No. 513,680, Oct. 30. Class 46.

Pacquin-Lester Company, Litchfield, Conn. Lotion. Serial No. 594,487, Oct. 30. Class 51.

Paddock Sales of Texas, Dallas, Tex. Domestic water systems and parts therefor. Serial No. 587,284, Oct. 30. Class 23.

Paramount Macaroni Manufacturing Co., Inc., Brooklyn, N. Y. Macaroni. Serial No. 610,920, Oct. 30. Class 46.

Parco Mfg., Inc., Providence, R. I. Real and costume jewelry and jewelers' findings. Serial No. 606,894, Oct. 30. Class 28.

Parke, Davis & Company, Detroit, Mich. Preparation containing pregpeninolone (anhydrohydroxy progesterone). Serial No. 570,272, Oct. 30. Class 18.

Parkersburg Steel Company, The, Parkersburg, W. Va. Portable top-of-stove ovens. Serial No. 593,079, Oct. 30. Class 13.

Patterson-Sargent Company, The, Cleveland, Ohio. Ready mixed paints. Serial No. 608,370, Oct. 30. Class 16.

Pennotex Oil Corporation, New York, N. Y. Mineral waxes. Serial No. 571,478, Oct. 30. Class 15.

Penton Publishing Company, The, Cleveland, Ohio. Publication. Serial No. 609,758, Oct. 30. Class 38.

Perfect Circle Corporation, Hagerstown, Ind. Piston rings. Serial No. 608,511, Oct. 30. Class 35.

Permatex Company, Inc., Brooklyn, and Sheepshead Bay, N. Y. Sealing compound. Serial No. 545,878, Oct. 30. Class 12.

Perry Metal Products Co. Inc., Brooklyn, N. Y. Trouser hangers. Serial No. 599,449, Oct. 30. Class 50.

Petri Cigar Company, Inc.: *See*—
Petri Wine Company.

Petri Wine Company, by change of name from Petri Cigar Company, Inc., doing business as Petri Wine Company, San Francisco, Calif. Wine. Serial No. 492,736, Oct. 30. Class 47.

Pfanstiehl Chemical Company, Chicago, and Waukegan, Ill. Metal phonograph needles. Serial No. 550,549, Oct. 30. Class 36.

Phanton Products, Inc.: *See*—
It Products, Inc.

Pine Hill Crystal Spring Water Co., New York, N. Y. Spring water. Serial No. 590,699, Oct. 30. Class 45.

Pirelli Societa per Azioni, Milan, Italy. Gloves of rubber, sanitary and surgical goods of rubber. Serial No. 571,685, Oct. 30. Class 44.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Sheet glass. Serial No. 602,911, Oct. 30. Class 33.

Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Shelled salted peanuts. Serial No. 602,109, Oct. 30. Class 46.

Plomb Tool Company, The, Los Angeles, Calif. Tools, namely brake gauges, etc. Serial No. 614,160, Oct. 30. Class 23.

Popst, Louis, doing business under the name Popst Manufacturing Company, Dallas, Tex. Jeans. Serial No. 614,898, Oct. 30. Class 39.

Popst Manufacturing Company: *See*—
Popst, Louis.

Port Chatham Packing Co. Inc., Seattle, Wash. Canned salmon and packaged smoked salmon. Serial No. 611,230, Oct. 30. Class 46.

Powell, William, Company, The, Cincinnati, Ohio. Angle valves, globe valves and Y valves. Serial No. 579,890, Oct. 30. Class 13.

Pride Hybrid Company, Minneapolis, Minn. Hybrid seed corn. Serial No. 607,762, Oct. 30. Class 1.

Protecto Products Co., Inc., Pomona, Calif. Paper napkins and paper garment hanger covers. Serial No. 578,825, Oct. 30. Class 37.

Pyle-National Company, The, Chicago, Ill. Electrical apparatus. Serial No. 612,557, Oct. 30. Class 21.

Quench Bottling Co.: *See*—
Eland, S. S.

Quench Company, The: *See*—
Eland, S. S.

Quench-Nesbitt Bottling Co.: *See*—
Eland, S. S.

Rad, Inc., Moline, Ill. Mechanical instrument. 578,046, Oct. 30. Class 26.

Rand, Philip, Chicago, Ill. Simulated pearl jewelry. Serial No. 591,255, Oct. 30. Class 28.

Randall Faichney Corporation, Jamaica Plain, Boston, Mass. Syringes and vaccinating instruments. Serial No. 593,812, Oct. 30. Class 44.

Ransburg, Harper J., Co., Inc., Indianapolis, Ind. Cookie jars, grease jars, pitchers, etc. Serial No. 607,192, Oct. 30. Class 30.

Reeves, B. M., Company, Inc., Brooklyn, N. Y. Edible olive oil. Serial No. 608,717, Oct. 30. Class 46.

Richkraft Company, The, Chicago, Ill. Coating building paper. Serial No. 611,453, Oct. 30. Class 12.

Rickard, F. W., Winchester, Ky. Agricultural seeds. Serial No. 577,454, Oct. 30. Class 1.

Roane-Barker, Inc., Greenville, S. C. Surgeon's gloves, hypodermic syringe boxes, hypodermic needle boxes, etc. Serial No. 578,102, Oct. 30. Class 44.

Roger & Gallet, New York, N. Y. Perfume, perfume extracts, toilet water, etc. Serial No. 610,341, Oct. 30. Class 51.

Sani-Mist, Inc.: *See*—
Waverly Petroleum Products Company.

Savoy Watch Co. Inc., New York, N. Y. Gold, silver and platinum watches, watch parts and watch movements. Serial No. 608,678, Oct. 30. Class 27.

Sawyer, Lester T., doing business under the name and style of Hycrest Farms, Sterling, Mass. Cattle. Serial No. 607,642, Oct. 30. Class 1.

Schack's, Inc., Chicago, Ill. Electric lighting apparatus. Serial No. 581,831, Oct. 30. Class 21.

Schenley Laboratories, Inc., New York, N. Y. Tablets for use as a vascular protective and lipotropic agent. Serial No. 587,356, Oct. 30. Class 18.

Scientific Solutions, Inc., West Palm Beach, Fla. Medicine of a fungicidal and antiseptic nature. Serial No. 609,471, Oct. 30. Class 18.

Scudder Food Products, Inc., Monterey Park, Calif. Food products. Serial No. 588,712, Oct. 30. Class 46.

Sealine Manufacturing Corp.: *See*—
Blanchard Electric Mfg. Co.

Seamprufe Incorporated, New York, N. Y. Women's apparel. Serial Nos. 611,375–6, Oct. 30. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Platform and farm scales. Serial No. 614,107, Oct. 30. Class 26.

Senn, George, Inc., Philadelphia, Pa. Naphthas for use in dry cleaning. Serial No. 561,049, Oct. 30. Class 52.

Service Industries, Philadelphia, Pa. Toilet bowl cleaner. Serial No. 606,495, Oct. 30. Class 52.

Seymour of Sycamore, Inc., Sycamore, Ill. Liquid paints including enamels. Serial No. 599,025, Oct. 30. Class 16.

Sharpe & Dohme, Incorporated, Philadelphia, Pa. Diuretic. Serial No. 609,204, Oct. 30. Class 18.

Sheltex Manufacturing Co.: *See*—
Sheltex Manufacturing Co., Inc.

Sheltex Manufacturing Co., Inc., Brooklyn, N. Y., assignee of Sheltex Manufacturing Co. Seambinding and biasbinding. Serial No. 573,903, Oct. 30. Class 40.

Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Shut-off and relief type valves, faucets, air nozzles, etc. Serial No. 513,217, Oct. 30. Class 13.

Silver, Wm. E., doing business under the name and style of Wm. E. Silver Sales Co., Colora, Md. Canned corn. Serial No. 561,694, Oct. 30. Class 46.

Silver, Wm. E., Sales Co.: *See*—
Silver, Wm. E.

Sisco-Hamilton Co., Chicago, Ill. Candy bars. Serial No. 593,296, Oct. 30. Class 46.

Sitroux Incorporated, New York, N. Y. Facial tissues. Serial No. 587,827, Oct. 30. Class 37.

Skalet Manufacturing Co. Inc., New York, N. Y. Gold and platinum jewelry. Serial No. 608,720, Oct. 30. Class 28.

Smit, J. K., & Sons, Inc., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J. Diamond compounds. Serial No. 586,552, Oct. 30. Class 4.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medical preparation. Serial No. 608,721, Oct. 30. Class 18.

Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres et Cie, Montreuil-Sous-Bois, Seine, France. Dressed and finished hare and rabbit skins. Serial No. 604,748, Oct. 30. Class 1.

Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and blanks. Serial No. 610,470, Oct. 30. Class 26.

Sorensen, Wesley A., doing business under the style of The Doll House Company, Salt Lake City, Utah. Restaurant and drive-in lunch service. Serial No. 556,490, Oct. 30. Class 100.

Southern Paperboard Corporation, Port Wentworth, Ga. Kraft liner board. Serial No. 592,672, Oct. 30. Class 37.

Southern States Iron Roofing Company, Savannah, Ga. Prefabricated houses. Serial No. 609,320, Oct. 30. Class 12.

Southern Wood Preserving Company, East Point, Ga. Wood poles and wood cross arms. Serial No. 603,209, Oct. 30. Class 12.

Springfield Seed Company, Springfield, Mo. Field seeds, grass seed, vegetable seed, etc. Serial No. 544,127, Oct. 30. Class 1.

Standard Manifold Company, Chicago, Ill. Duplicating units. Serial No. 584,841, Oct. 30. Class 11.

Star-Peerless Wall Paper Mills, Chicago, Ill. Wall paper. Serial No. 587,404, Oct. 30. Class 37.

State Brand Creameries, Inc., Mason City, Iowa. Butter and dried milk solids. Serial No. 563,826, Oct. 30. Class 46.

Stead, J., & Company Limited, Sheffield, England. Phonograph needles, phonograph pick-up needles, and sound boxes. Serial No. 571,060, Oct. 30. Class 36.

Stephano Brothers, Philadelphia, Pa. Cigarettes. Serial No. 609,821, Oct. 30. Class 17.

Sterling, Inc., Milwaukee, Wis. Strainers, vacuum float vents, and traps. Serial No. 592,787, Oct. 30. Class 13.

Studebaker Corporation, The, South Bend, Ind. Automobiles. Serial No. 610,765, Oct. 30. Class 19.

Studner-Blumenthal Co., New York, N. Y. Leather substitute. Serial No. 605,927, Oct. 30. Class 50.

Sunset Packing Co., Inc., West Pembroke, Maine. Canned sardines. Serial No. 610,108, Oct. 30. Class 46.

Super-Cut, Inc., Chicago, Ill. Diamond abrasive wheels. Serial No. 595,568, Oct. 30. Class 4.

Swenson, Aut, Springfield, Mo. Entertainment service. Serial No. 607,458, Oct. 30. Class 107.

Swift & Company, Chicago, Ill. Powdered whole milk. Serial No. 608,228, Oct. 30. Class 46.

Swift & Company, Chicago, Ill. Glue. Serial No. 609,383, Oct. 30. Class 5.

Talent, Incorporated, Los Angeles, Calif. Gifts comprising handmade silver jewelry. Serial No. 578,739, Oct. 30. Class 28.

Taunton Pearl Works, Taunton, Mass. Articles of jewelry. Serial No 606,988, Oct. 30. Class 28.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,443, Oct. 30. Class 17.

Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,449, Oct. 30. Class 17.

Theodor, Inc., Los Angeles, Calif. Leather. Serial No. 609,932, Oct. 30. Class 1.

Thornton Canning Company, Thornton, Calif. Canned fruits and canned fruit juices. Serial No. 610,875, Oct. 30. Class 46.

Time, Incorporated, New York, N. Y. Motion picture films, sound films, combined sound and motion picture films, etc. Serial No. 614,523, Oct. 30. Class 26.

Towne Watch Co., Chicago, Ill. Watches. Serial No. 609,575, Oct. 30. Class 27.

Treinis Brothers, Inc., Brooklyn, N. Y. Bags. Serial No. 532,070, Oct. 30. Class 2.

Troy Engine & Machine Company: *See*—
Brasington Corporation.

Turn-Over Foods, Inc., Evanston, Ill. Butter, oleomargarine, cheese, and ice cream. Serial No. 611,113, Oct. 30. Class 46.

Undertakers Supply Co., Chicago, Ill. Deodorant and disinfectant. Serial No. 609,822, Oct. 30. Class 6.

Undertakers Supply Co., Chicago, Ill. Embalming fluid. Serial No. 609,823, Oct. 30. Class 6.

Unipress Company, Incorporated, The, Minneapolis, Minn. Laundry presses. Serial No. 561,957, Oct. 30. Class 24.

United States Rubber Company, New York, N. Y. Rubber tires. Serial No. 606,638, Oct. 30. Class 35.

United States Rubber Company, New York, N. Y. Plastic materials. Serial No. 609,576, Oct. 30. Class 1.

Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,531, Oct. 30. Class 37.

Virginia Smelting Company, West Norfolk, Va. Insecticides. Serial No. 609,990, Oct. 30. Class 6.

Vita-Cress Company, Mesa, Ariz. White curled cress seeds. Serial No. 597,796, Oct. 30. Class 1.

Vogue Vanities Limited, Handsworth, Birmingham, England. Cosmetic powder cases, lipstick cases, mascara cases, etc. Serial No. 588,913, Oct. 30. Class 2.

Wallace & Tiernan Products, Inc., Belleville, N. J. Services in the enabling and effectuation, through and by personnel, apparatus, and materials, etc. Serial No. 535,578, Oct. 30. Class 106.

Ward Leonard Electric Company, Mount Vernon, N. Y. Plating solutions. Serial No. 609,825, Oct. 30. Class 6.

Waverly Petroleum Products Company, assignor to Sani-Mist, Inc., Philadelphia, Pa. Solution formulated as a prophylaxis to fight athlete's foot. Serial No. 608,726, Oct. 30. Class 18.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. Serial No. 586,444, Oct. 30. Class 28.

Weinreich Brothers Company, New York, N. Y. Pearl necklaces, pearl earrings, pearl brooches, etc. Serial No. 586,445, Oct. 30. Class 28.

Weinreich Brothers Company, New York, N. Y. Pearl earrings, pearl necklaces, pearl brooches, etc. Serial No. 586,446, Oct. 30. Class 28.

Well Equipment Mfg. Corp., Houston, Tex. Vacuum operated control valve. Serial No. 596,889, Oct. 30. Class 13.

Wellco Shoe Corporation, Waynesville and Hazelwood, N. C. Sponge rubber soled men's, ladies', misses', children's and infants' shoes, sandals, and slippers. Serial No. 574,124, Oct. 30. Class 39.

West Disinfecting Company, Long Island City, N. Y. Chemical preparation used as a combined odorless general purpose cleaner and sanitizer. Serial No. 602,479, Oct. 30. Class 52.

Western Lithograph Company, doing business as Westline Products Division, Los Angeles, Calif. Plastic lacquer spray. Serial No. 609,991, Oct. 30. Class 16.

Western Tablet & Stationery Corporation, Dayton, Ohio. Papeteries. Serial No. 526,165, Oct. 30. Class 37.

Western Tablet & Stationery Corporation, Dayton, Ohio. Correspondence and mailing envelopes. Serial No. 583,573, Oct. 30. Class 37.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat and control engineering service. Serial No. 531,743, Oct. 30. Class 100.

Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Electric meters and measuring instruments. Serial No. 606,097, Oct. 30. Class 26.

Westline Products Division: *See*—
Western Lithograph Company.

White, David, Company, Milwaukee, Wis. Film mountings, photographic slides and stereoscopic slides. Serial No. 611,324, Oct. 30. Class 26.

White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg. Self-cooling water bag. Serial No. 596,891, Oct. 30. Class 2.

Williams, C. O., Graceville, Fla. Food products. Serial No. 598,973, Oct. 30. Class 46.

Williford Manufacturing Company, Memphis, Tenn. Pallet and skid platforms. Serial Nos. 607,784–5, Oct. 30. Class 50.

Wilmington Hosiery Mills, Inc., Wilmington, Del. Socks. Serial No. 609,459, Oct. 30. Class 39.

Winthrop-Stearns Inc., New York, N. Y. Local and regional anesthetic. Serial No. 610,883, Oct. 30. Class 18.

Wolf, Jacques, & Co., Clifton, N. J. Sodium salt of dodecyle benzene sulfonate which is used as a detergent. Serial No. 580,162, Oct. 30. Class 52.

Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. Serial No. 595,348, Oct. 30. Class 42.

Wyeth Incorporated, Philadelphia, Pa. Dietary supplement. Serial No. 596,142, Oct. 30. Class 18.

Zerillo, Lorenzo, Riverbank, Calif. Canned vegetables and canned tomato paste. Serial No. 603,425, Oct. 30. Class 46.

Zimmer Manufacturing Company, Warsaw, Ind. Appliances for the treatment of bone fractures. Serial No. 600,560, Oct. 30. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

A and M Foods, Inc., Miami, Fla. Packaged goods. 550,283, Oct. 30; Serial No. 533,827. Class 46.

Accuracy Scientific Instrument Company, Inc., Philadelphia, Pa. Thermometers. 550,182, Oct. 30; Serial No. 595,237, published Aug. 7, 1951. Class 26.

Acrow (Engineers) Limited, London, England. Storage shelving units and vertical wall bins. 550,149, Oct. 30; Serial No. 580,274, published Aug. 7, 1951. Class 32.

Adler & Adler, Inc., New York, N. Y. Cut-out parts of garments. 550,281, Oct. 30; Serial No. 522,517. Class 39.

Admatic Projector Company: *See*—
Mummert, Maurice M.

Agfa Ansco Corporation, Binghamton, to General Aniline & Film Corporation, New York, N. Y. Sensitized photographic paper. 286,706, renewed Sept. 1, 1951. O. G. Oct. 30. Class 26.

Airmaid Hosiery Mills, Dallas, Tex. Women's hosiery. 550,230, Oct. 30; Serial No. 605,624, published July 31, 1951. Class 39.

Alex Hosiery Mills, Inc., Hurffville, N. J. Women's hosiery. 550,220, Oct. 30; Serial No. 603,132, published July 31, 1951. Class 39.

Allied Chemical & Dye Corporation: *See*—
Barrett Company, The.

Allied Stores Corporation, New York, N. Y., assignor to Jordan Marsh Company, Boston, Mass. Sheets and pillow cases. 550,137, Oct. 30; Serial No. 574,402, published July 24, 1951. Class 42.

Altorfer Bros. Company, East Peoria, to Altorfer Bros. Company, Peoria, Ill. Electric power units. 287,126, renewed Sept. 15, 1951. O. G. Oct. 30. Class 21.

Aluminum Company of America, Pittsburgh, Pa. Metal cable clamps, devices for preventing vibration of electric cables, etc. 286,617–18, renewed Sept. 1, 1951. O. G. Oct. 30. Class 13.

Aluminum Company of America, Pittsburgh, Pa. Anti-seize compound. 287,719–20, renewed Oct. 6, 1951. O. G. Oct. 30. Class 15.

Aluminum Company of America, Pittsburgh, Pa. Aluminum shingles, corrugated roofing, down spouts, etc. 288,976–7, renewed Nov. 10, 1951. O. G. Oct. 30. Class 12.

American Gas Machine Company, Albert Lea, Minn. Electric water heaters and electric fans. 550,266, Oct. 30; Serial No. 611,123, published Aug. 14, 1951. Class 21.

American Institute of Banking, New York, N. Y. Booklets. 285,767, renewed Aug. 4, 1951. O. G. Oct. 30. Class 38.

American Maize-Products Company, New York, N. Y. Corn salad oil. 285,470, renewed July 28, 1951. O. G. Oct. 30. Class 46.

American Maize-Products Company, New York, N. Y. Corn and cane syrups, cane and maple syrups, corn syrups, etc. 285,471, renewed July 28, 1951. O. G. Oct. 30. Class 46.

American Maize-Products Company, New York, N. Y. Gloss starch. 285,640, renewed Aug. 4, 1951. O. G. Oct. 30. Class 6.

American Steel Company, Pittsburgh, Pa. Cotter pins. 290,321, renewed Jan. 5, 1952. O. G. Oct. 30. Class 13.

American Stores Company, Philadelphia, Pa. Monthly publication. 550,237, Oct. 30; Serial No. 606,840, published Aug. 7, 1951. Class 38.

Anderson Stove Company, Inc., Anderson, Ind. Stoves. 550,309, Oct. 30; Serial No. 594,614. Class 34.

Angle Steel Stool Company, Plainwell, Mich. Stools, benches, seats, etc. 550,143, Oct. 30; Serial No. 577,356, published July 24, 1951. Class 32.

Anglo Fabrics Company, Inc., New York, N. Y. Woolen and worsted piece goods. 550,181, Oct. 30; Serial No. 595,046, published Aug. 7, 1951. Class 42.

Aquex Development and Sales Corporation, Whippany, N. J. Waterproofing compositions. 550,163, Oct. 30; Serial No. 586,618, published July 31, 1951. Class 6.

Arizona Farms, to W. J. Cook, Jr., Phoenix, Ariz. Fresh vegetables. 401,287, May 4, 1943. New certificate. O. G. Oct. 30. Class 46.

Arizona Farms, to W. J. Cook, Jr., Phoenix, Ariz. Fresh vegetables. 401,450, May 18, 1943. New certificate. O. G. Oct. 30. Class 46.

Asbestospray Corp., Brooklyn, N. Y. Asbestos fibre products. 550,322, Oct. 30; Serial No. 599,483. Class 12.

Avon Sole Company, Avon, Mass. Shoe soles. 550,326, Oct. 30; Serial No. 600,564. Class 39.

Avon Shoe Co. Inc., Brooklyn and New York, N. Y. Ladies' and misses' shoes. 550,146, Oct. 30; Serial No. 578,309, published July 31, 1951. Class 39.

Balbo Oil Corp., Brooklyn, N. Y. Peanut oil. 550,285, Oct. 30; Serial No. 547,507. Class 46.

Bandwagon Manufacturing, Inc., Boston, Mass. Plant stands. 550,226, Oct. 30; Serial No. 605,507, published July 24, 1951. Class 32.

Barlow & Jones Limited, Manchester, England. Textile fabrics. 550,179, Oct. 30; Serial No. 593,464, published July 24, 1951. Class 42.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Creosote oil. 285,699, renewed Aug. 4, 1951. O. G. Oct. 30. Class 6.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Prepared paint, etc. 286,934, renewed Sept. 8, 1951. O. G. Oct. 30. Class 16.

Barrett Company, The, to Allied Chemical & Dye Corporation, New York, N. Y. Insecticide and insect repellant and naphthalene. 290,011, renewed Dec. 22, 1951. O. G. Oct. 30. Class 6.

Beir, Arthur, & Co. Inc., New York, N. Y. Cotton piece goods. 550,249, Oct. 30; Serial No. 607,840, published July 24, 1951. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. 550,254, Oct. 30; Serial No. 608,589, published July 24, 1951. Class 42.

Bell & Howell Company, Chicago, Ill. Motion picture projectors. 550,159, Oct. 30; Serial No. 584,051, published June 26, 1951. Class 26.

Bendix Aviation Corporation, North Hollywood, Calif. Oscillographs. 550,183, Oct. 30; Serial No. 595,489, published Aug. 7, 1951. Class 26.

Bergen Toy & Novelty Co., Inc., Hackettstown, N. J. Plastic figurines used for toy and amusement purposes, and toy animals. 550,253, Oct. 30; Serial No. 608,405, published Aug. 14, 1951. Class 22.

Berkeley Industries, Jersey City, N. J. Furniture. 550,227, Oct. 30; Serial No. 605,576, published July 24, 1951. Class 32.

Berlin, Irving, Music Corporation, New York, N. Y. Printed music. 550,329, Oct. 30; Serial No. 603,432. Class 38.

Bernard's Bootery: *See*—
Lee, Bernard.

Best, John H., & Sons, Inc., Galva, Ill. Display racks and storage racks. 550,157, Oct. 30; Serial No. 583,514, published July 17, 1951. Class 32.

Best, John H., & Sons, Inc., Galva, Ill. Display racks and storage racks. 550,158, Oct. 30; Serial No. 583,516, published Aug. 7, 1951. Class 32.

Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y. Felt base, linoleum and composition floor coverings and rugs. 550,135–6, Oct. 30; Serial Nos. 574,010–11, published Aug. 7, 1951. Class 20.

Bonded Foam Latex Company, Inc., assignee: *See*—
Freed Tire and Recapping Company.

Boston Leather Specialties, Inc., by Bunny Bear Inc., Everett, Mass. Baby hammocks, baby hammock stands, etc 298,522. Nov. 1, 1932. Republished Oct. 30. Class 32.

Boston Leather Specialties Co., assignor to Bunny Bear, Inc., by Bunny Bear Inc., Everett, Mass. Crib cushions. 433,282, Oct. 7, 1947. Republished Oct. 30. Class 32.

Bourjois, Inc., New York, N. Y. Rouge. 550,291, Oct. 30; Serial No. 567,848. Class 51.

Boyd, William, Beverly Hills, Calif. Wash cloths and towels. 550,234, Oct. 30; Serial No. 606,133, published July 24, 1951. Class 42.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. 550,258–60, Oct. 30; Serial Nos. 610,823–5, published Aug. 14, 1951. Class 22.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. 550,261–2, Oct. 30; Serial Nos. 610,827–8, published Aug. 14, 1951. Class 22.

Bryan Full Fashioned Mills, Chattanooga, Tenn. Ornamental hosiery supporters. 550,328, Oct. 30; Serial No. 600,811. Class 39.

Bulova Watch Company, Inc., New York, N. Y. Bracelets and wrist bands and straps for wrist watches. 288,379, renewed Oct. 27, 1951. O. G. Oct. 30. Class 28.

Bulova Watch Company, Inc., New York, N. Y. Watches. 288,505, renewed Oct. 27, 1951. O. G. Oct. 30. Class 27.

Bunny Bear, Inc.: *See*—
Boston Leather Specialties Co.

Bunny Bear Inc.: *See*—
Boston Leather Specialties, Inc.

Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 550,185, Oct. 30; Serial No. 595,653, published Aug. 7, 1951. Class 42.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 550,242, Oct. 30; Serial No. 607,156, published Aug. 14, 1951. Class 21.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. 550,243, Oct. 30; Serial No. 607,159, published Aug. 14, 1951. Class 21.

Burton-Dixie Corporation, Chicago, Ill. Pillows. 298,526, Nov. 1, 1932. Corrected. O. G. Oct. 30. Class 32.

Bycla Sociedad Anonima Comercial Industrial y Financiera, Buenos Aires, Argentina. Rice and edible vegetable oils. 444,592, Oct. 30; Serial No. 514,521, published July 31, 1951. Class 46.

Cali-Quilt Furniture Mfg. Co., Lynwood, Calif. Couches, divans, and mattresses. 550,221, Oct. 30; Serial No. 605,295, published July 24, 1951. Class 32.

Campello Shank Company, Campello and Brockton, Mass. Shank stiffeners for shoes and arch supports. 550,139, Oct. 30; Serial No. 575,248, published July 24, 1951. Class 39.

Cape County Milling Company, Jackson, Mo. Flour. 36,642, re-renewed June 25, 1951. O. G. Oct. 30. Class 46.

Carlton-Surrey, Inc., Grand Rapids, Mich. Furniture. 550,138, Oct. 30; Serial No. 574,567, published July 31, 1951. Class 32.

Chance Vought Corporation, Hartford, by United Aircraft Corporation, East Hartford, Conn. Aircraft. 286,752, Sept. 1, 1931. Republished Oct. 30. Class 19.

Chern, Margaret B., New York, N. Y. Manipulable rotative astrological charts. 550,111, Oct. 30; Serial No. 552,539, published July 24, 1951. Class 26.

Chicopee Manufacturing Corporation of Georgia, New Brunswick, N. J. Plastic screen cloth. 414,821, June 26, 1945. Republished Oct. 30. Class 13.

Chicopee Mills, Inc.: *See*—
Chicopee Sales Corporation.
Johnson & Johnson.

Chicopee Sales Corporation, by Chicopee Mills, Inc., New York, N. Y. Textile diapers. 387,983, June 10, 1941. Republished Oct. 30. Class 39.

Chicopee Sales Corporation, by Chicopee Mills, Inc., New York, N. Y. Textile diapers. 398,973, Dec. 8, 1942. Republished Oct. 30. Class 39.

Chicopee Sales Corporation, by Chicopee Mills, Inc., New York, N. Y. Babies' diapers, babies' diaper outfits, etc. 414,053, May 22, 1945. Republished Oct. 30. Class 39.

Chicopee Sales Corporation, by Chicopee Mills, Inc., New York, N. Y. Unwoven fiber sheeting in the nature of cloth and paper. 423,917, Sept. 17, 1946. Republished Oct. 30. Class 37.

Chicopee Manufacturing Corporation of Georgia, New Brunswick, N. J. Fabric. 428,892, Apr. 8, 1947. Republished Oct. 30. Class 42.

Chicopee Sales Corporation, by Chicopee Mills, Inc., New York, N. Y. Crib sheets. 439,209, June 8, 1948. Republished Oct. 30. Class 42.

Chicopee Sales Corporation, now by change of name Chicopee Mills, Inc., by Chicopee Mills, Inc., New York, N. Y. Textile baby diapers, waterproofed textile diaper holders, disposable diaper pads, etc. 443,687, Jan. 17, 1950. Republished Oct. 30. Class 39.

Chicopee Sales Corporation, now by change of name Chicopee Mills, Inc., by Chicopee Mills, Inc., New York, N. Y. Cotton piece goods, cheesecloth, gauze, etc. 443,832, Mar. 14, 1950. Republished Oct. 30. Class 42.

Chi Phi Fraternity, The, Atlanta, Ga. Publication. 550,187, Oct. 30; Serial No. 596,263, published July 31, 1951. Class 38.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda). 550,103, Oct. 30; Serial No. 526,776, published Aug. 14, 1951. Class 46.

Cliff House Distributors: *See*—
Red Line Commercial Company, Inc.

Collins & Aikman Corporation, Philadelphia, Pa. Pile fabrics. 550,206, Oct. 30; Serial No. 602,438, published July 10, 1951. Class 42.

Colorado Milling & Elevator Co., The, Denver, Colo. Wheat flour. 289,581, renewed Dec. 1, 1951. O. G. Oct. 30. Class 46.

Columbia Protektosite Co. Inc., Carlstadt, N. J. Sunglasses, eyeglass frames, goggles and temple bars. 550,170, Oct. 30; Serial No. 591,018, published July 17, 1951. Class 26.

Comfort Slipper Corporation, Fitchburg, Mass. Shoes. 550,231, Oct. 30; Serial No. 605,894, published July 24, 1951. Class 39.

Commerce Clearing House, Inc., Chicago, Ill. Publication. 550,251–2, Oct. 30; Serial Nos. 608,394–5, published Aug. 7, 1951. Class 38.

Commercial Trades Institute, Inc., Chicago, Ill. Periodically published newspaper. 550,308, Oct. 30; Serial No. 594,520. Class 38.

Community Chests and Councils of America, Incorporated, New York, N. Y. Welfare, recreation, and health services. 550,277–9, Oct. 30; Serial Nos. 600,877–9, published Aug. 7, 1951. Class 100.

Cook, W. J., Jr.: *See*—
Arizona Farms.

Corner, Carleton C., doing business as The Dexco Products Company, to The Rapp-Ramsey Company, Shenandoah, Iowa. Bleach, deodorizer, and disinfectant. 383,236, Nov. 26, 1940. New certificate. O. G. Oct. 30. Class 6.

Crane & Co., Inc.: *See*—
Crane, Z. & W. M.

Crane, Z. & W. M., by Crane & Co., Inc., Dalton, Mass. Writing paper and envelopes. 81,962, May 23, 1911. Republished Oct. 30. Class 37.

Custom Lady Dresses: *See*—
Manilow, Arthur.

Davidson, John B., Woolen Mills, Inc., Eaton Rapids, Mich. Hosiery, and hosiery with extra sole members attached. 550,169, Oct. 30; Serial No. 590,493, published July 24, 1951. Class 39.

Demetrakes, S.: *See*—
Demetrakes, Stamates.

Demertakes, Stamates, doing business as S. Demetrakes, Mansfield, Ohio. Salve. 550,296, Oct. 30; Serial No. 573,929. Class 18.

Dexco Products Company, The: *See*—
Corner, Carleton C.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 288,973, renewed Nov. 10, 1951. O. G. Oct. 30. Class 37.

Dohrmann Hotel Supply Co., San Francisco, Calif. Ventilators. 550,289, Oct. 30; Serial No. 561,907. Class 34.

Dole Sales Company: *See*—
Hawaiian Pineapple Company, Limited.

Dowell Incorporated, Tulsa, Okla. Flexible steel-cored magnesium ribbon anode. 550,223, Oct. 30; Serial No. 605,412, published Aug. 14, 1951. Class 21.

Drummondville Cotton Company, Limited, Montreal, Quebec, Canada. Cordage and twines. 550,215, Oct. 30; Serial No. 604,937, published Aug. 14, 1951. Class 7.

Dryad Limited, Leicestershire and Leicester, Leicestershire, England. Cane and wicker-work furniture. 550,188, Oct. 30; Serial No. 596,988, published July 17, 1951. Class 32.

Dumont Handkerchiefs, Inc., New York, N. Y. Handkerchiefs. 550,282, Oct. 30; Serial No. 525,571. Class 39.

Dura Electric Lamp Co., Inc., Newark, N. J. Photographic flash lamps. 550,192, Oct. 30; Serial No. 598,171, published July 24, 1951. Class 26.

Earnshaw Publications, Inc., Newton, Mass. Magazine. 550,241, Oct. 30; Serial No. 607,073, published Aug. 7, 1951. Class 38.

Eastland Shoe, Inc., Freeport, Maine. Women's and children's footwear. 550,204, Oct. 30; Serial No. 601,664, published July 31, 1951. Class 39.

Eastman International Company, Denver, Colo. Oil well survey instruments. 550,199, Oct. 30; Serial No. 600,126, published Aug. 7, 1951. Class 26.

Edward Industries: *See*—
Franta, Edward J.

Electronics Research, Inc., Evansville, Ind. Signal generator. 550,167, Oct. 30; Serial No. 589,249, published July 17, 1951. Class 26.

Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.

Elliott Chemical Company, The: *See*—
Elliott, William R.

Elliott, William R., doing business as The Elliott Chemical Company, Struthers, Ohio. Precipitant and separating agent used as a fuel oil additive. 550,290, Oct. 30; Serial No. 564,196. Class 15.

Enoch, Charles J., by Enoch Packing Company, Del Rey, Calif. Fresh deciduous fruits, dried fruits, and fresh cantaloupes. 258,336, July 2, 1929. Republished Oct. 30. Class 46.

Enoch Packing Company: *See*—
Enoch, Charles J.

Enrich, Henry A., & Co., Inc., New York, N. Y. Chair pads and chair seat covers. 550,131, Oct. 30; Serial No. 572,357, published July 31, 1951. Class 32.

Fairhurst, John T., Co. Inc., New York, N. Y. Wardrobes. 550,184, Oct. 30; Serial No. 595,597, published July 31, 1951. Class 32.

Fairley Cosmetics Co.: *See*—
Spiegel, Paul.

Falconer Plate Glass Corporation, Falconer, N. Y. Mirrors. 550,176, Oct. 30; Serial No. 592,889, published July 31, 1951. Class 32.

Fashion Furniture Manufacturing Co., Los Angeles, Calif. Furniture. 550,145, Oct. 30; Serial No. 578,263, published July 31, 1951. Class 32.

Fendrich, H., to H. Fendrich, Inc., Evansville, Ind. Cigars. 83,149, re-renewed Aug. 22, 1951. O. G. Oct. 30. Class 17.

Fendrich, H., Inc.: *See*—
Fendrich, H.

Fenton, Helen, Originals California, Los Angeles, Calif. Women's and children's blouses, dresses, pinafores, etc. 550,117, Oct. 30; Serial No. 557,600, published Aug. 14, 1951. Class 39.

Fibreboard Products Inc., San Francisco, Calif. Paperboard shipping boxes. 550,294, Oct. 30; Serial No. 572,733. Class 2.

Finance System, Incorporated, Akron, Ohio. Collection of financial obligations. 550,271, Oct. 30; Serial No. 579,086, published Aug. 14, 1951. Class 101.

Fitts Cotton Goods Company, Atlanta, Ga. Textile diapers. 550,288, Oct. 30; Serial No. 559,378. Class 39.

Flatau, A. & W. & Co., Ltd., London, England. Women's boots and shoes. 550,200, Oct. 30; Serial No. 600,883, published Aug. 14, 1951. Class 39.

Flex-O-Glass, Inc., Chicago, Ill. Transparent and translucent cotton mesh reinforced sheet materials. 550,304, Oct. 30; Serial No. 589,779. Class 50.

Flex Step Shoe Corporation, Philadelphia, Pa. Women's shoes. 550,144, Oct. 30; Serial No. 578,140, published Aug. 7, 1951. Class 39.

For-Dom Inc., New York, N. Y. Automotive publications. 550,193, Oct. 30; Serial No. 598,297, published July 31, 1951. Class 38.

Ft. Worth Chemical Co., Inc., Fort Worth, Tex. Solvent compound. 550,311, Oct. 30; Serial No. 596,160. Class 52.

Franklin Furniture Co., The, Columbiana, Ohio. Household furniture. 550,140, Oct. 30; Serial No. 575,919, published July 17, 1951. Class 32.

Franta, Edward J., doing business as Edward Industries, Riverside, Ill. Flexible protective covers and carrying slings. 550,310, Oct. 30; Serial No. 595,374. Class 50.

Freed Tire and Recapping Company, assignor to Bonded Foam Latex Company, Inc., Cleveland, Ohio. Rubber foam upholstery padding. 550,129, Oct. 30; Serial No. 566,581, published Sept. 19, 1950. Class 32.

Fremont Products Company: *See*—
Gundlach, Paul J.

Friends of the Land, Columbus, Ohio. Magazines. 550,172, Oct. 30; Serial No. 591,776, published Aug. 7, 1951. Class 38.

G-B Corporation, Lynwood, Calif. Detergent preparation. 550,313, Oct. 30; Serial No. 597,605. Class 52.

G-B Corporation, Lynwood, Calif. Motor oil. 550,321, Oct. 30; Serial No. 599,162. Class 15.

Gi, Vi. Emme. Societa Anonima Giuseppe Visconti Di Modrone & Co., Milan, Italy. Perfume. 278,860, renewed Dec. 30, 1950. O. G. Oct. 30. Class 51.

General Aniline & Film Corporation: *See*—
Agfa Ansco Corporation.

General Mills, Inc., Minneapolis, Minn. Cereal breakfast food. 290,045, renewed Dec. 22, 1951. O. G. Oct. 30. Class 46.

General Shoe Corporation, Nashville, Tenn. Children's shoes. 550,168, Oct. 30; Serial No. 589,845, published July 24, 1951. Class 39.

Gilman, Seymour, Memphis, Tenn. Pot holders. 550,207, Oct. 30; Serial No. 602,448, published July 24, 1951. Class 42.

Glass, David, & Sons Wholesale Grocers, Inc., Brooklyn, N. Y. Dried prunes, beans, rice, etc. 367,394, May 16, 1939. Republished Oct. 30. Class 46.

Globe Feather & Down Co., Chicago, Ill. Pillows. 550,173, Oct. 30; Serial No. 592,143, published June 6, 1950. Class 32.

Globe Solvents Co., Inc.: *See*—
Handler, Joseph.

Goodier Company: *See*—
Goodier, Elwood J.

Goodier, Elwood J., doing business as Universal Laboratories and Goodier Company, Dallas, Tex. Laxatives. 282,368, renewed Apr. 21, 1951. O. G. Oct. 30. Class 18.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Accelerators for the vulcanization of caoutchouc. 289,481, renewed Dec. 1, 1951. O. G. Oct. 30. Class 6.

Gordon, M. Martin, by Princess Pat, Ltd., Chicago, Ill. Perfumes, toilet water, face-powders, etc. 146,236, Sept. 6, 1921. Republished Oct. 30. Classes 18, 51, and 52.

Gowdy Co., The: *See*—
Gowdy, Glenna L.

Gowdy, Glenna L., doing business as The Gowdy Co., Hallam, Nebr. Salve. 550,302, Oct. 30; Serial No. 589,085. Class 18.

Green Bird Co., New York, N. Y. Women's wear. 550,319, Oct. 30; Serial No. 598,651. Class 39.

Greenebaum, M. H., Inc., New York, N. Y. Meat products. 550,287, Oct. 30; Serial No. 558,486. Class 46.

Grossman's Shoes Inc., Brooklyn, N. Y. Ladies' and misses' shoes. 550,161, Oct. 30; Serial No. 584,449, published Aug. 7, 1951. Class 39.

Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Periodical publication. 288,946, renewed Nov. 10, 1951. O. G. Oct. 30. Class 38.

Gundlach, Paul J., doing business as Fremont Products Company, Cleveland, Ohio. Fenugreek seeds. 550,280, Oct. 30; Serial No. 521,255. Class 46.

Hagerstown Rubber Company, The, Hagerstown, Md. Rubber soles and heels. 550,154, Oct. 30; Serial No. 583,201, published Aug. 7, 1951. Class 39.

Hahn, William, & Company, Washington, D. C. Leather shoes. 285,153, renewed July 14, 1951. O. G. Oct. 30. Class 39.

Hamlin Blouses, Inc., New York, N. Y. Skirts, blouses, dresses, etc. 550,189, Oct. 30; Serial No. 596,994, published Aug. 14, 1951. Class 39.

Handee Products Mfg. Co.: *See*—
Handler, Joseph.

Handler, Joseph, doing business as Handee Products Mfg. Co., to Globe Solvents Co., Inc., Philadelphia, Pa. Dry cleaners. 281,535, renewed March 24, 1951. O. G. Oct. 30. Class 52.

Hart Schaffner & Marx, Chicago, Ill. Men's suits. 550,126, Oct. 30; Serial No. 563,470, published July 31, 1951. Class 39.

Hawaiian Pineapple Company, Limited, doing business as Dole Sales Company, Honolulu, Territory of Hawaii, and San Francisco, Calif. Canned fruits. 550,315, Oct. 30; Serial No. 598,364. Class 46.

Heirloom Needlework Guild, Inc., New York, N. Y. Rayon and metallic yarns. 550,235, Oct. 30; Serial No. 606,294, published Aug. 14, 1951. Class 43.

Highway Outfitting Co., Inc., New York, N. Y. Air force uniforms, air line uniforms, hotel uniforms, etc. 550,148, Oct. 30, 1951; Serial No. 580,135, published Aug. 7, 1951. Class 39.

Hilgers, J., & Co.: *See*—
Hilgers, John.

Hilgers, John, doing business under the name and style of J. Hilgers & Co., Binghamton, N. Y. Reagent used in detecting urine sugar. 550,175, Oct. 30; Serial No. 592,494, published Aug. 7, 1951. Class 6.

Hirsch-Weis Canvas Products Co.: *See*—
White-Stag Manufacturing Corporation.

Holt Manufacturing Company, Oakland, Calif. Electric floor machines. 550,130, Oct. 30; Serial No. 570,202, published Aug. 14, 1951. Class 21.

Hood, H. P., & Sons, Inc., Boston, Mass. Ice cream. 286,998, Sept. 8, 1931. Republished Oct. 30. Class 46.

Horder's, Incorporated, Chicago, Ill. Forms for bookkeeping systems, ledgers, journals, etc. 550,284, Oct. 30; Serial No. 536,528. Class 37.

Horowitz Bros. & Margareten, Inc., New York, N. Y. Cakes or biscuits. 131,941, June 1, 1920. Republished Oct. 30. Class 46.

House of Spring, Miami Beach, Fla. Diapers. 550,162, Oct. 30; Serial No. 585,938, published Aug. 7, 1951. Class 39.

Howell Electric Motors Company, Howell, Mich. Electric motors. 550,263, Oct. 30; Serial No. 610,844, published Aug. 14, 1951. Class 21.

Hunter Douglas Corporation, New York, N. Y. Venetian blinds. 550,141, Oct. 30; Serial No. 576,253, published July 24, 1951. Class 32.

Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Watches. 550,323, Oct. 30; Serial No. 599,875. Class 27.

Independent Association of Stocking Manufacturers, Philadelphia, Pa. Women's hosiery. 550,276, Oct. 30; Serial No. 580,787, published July 24, 1951. Class 39.

Ingber, Inc., Philadelphia, Pa. Ladies' handbags. 550,212, Oct. 30; Serial No. 603,242, published Aug. 7, 1951. Class 3.

Insect Wire Screening Bureau, New York, N. Y. Insect wire screening. 550,338, Oct. 30; Serial No. 587,553. Class 13.

International Flouncing Co., Inc., New York, N. Y. Drapes, curtains, and bedspreads. 550,186, Oct. 30; Serial No. 596,096, published Aug. 7, 1951. Class 42.

International Shoe Co., St. Louis, Mo. Boots and shoes. 288,722, renewed Nov. 3, 1951. O. G. Oct. 30, Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. 289,824, renewed Dec. 8, 1951. O. G. Oct. 30, Class 39.

Intner, William, Company, Inc., New York, N. Y. Mattresses, bedsprings, studio couches, etc. 550,218, Oct. 30; Serial No. 605,036, published July 24, 1951. Class 32.

Ironite Company: *See*—
Rauhoff, John M.

Irving, Ralph T., Brooklyn, N. Y. Men's hats. 550,333, Oct. 30; Serial No. 608,820. Class 39.

Jantzen Knitting Mills, to Jantzen Knitting Mills Inc., Portland, Oreg. Swimming suits. 289,140, renewed Nov. 17, 1951. O. G. Oct. 30. Class 39.

Jantzen Knitting Mills Inc.: *See*—
Jantzen Knitting Mills.

Johnson Educator Food Company, Cambridge, to Megowen-Educator Food Company, Lowell, Mass. Biscuits. 287,198, renewed Sept. 15, 1951. O. G. Oct. 30. Class 46.

Johnson Educator Food Company, Cambridge, to Megowen-Educator Food Company, Lowell, Mass. Biscuits. 287,212, renewed Sept. 15, 1951. O. G. Oct. 30. Class 46.

Johnson & Johnson, New Brunswick, N. J., by Chicopee Mills, Inc., New York, N. Y. Diapers. 298,562, Nov. 1, 1932. Republished Oct. 30. Class 39.

Jordan Marsh Company: *See*—
Allied Stores Corporation.

Juvenile Mfg. Co., Inc., The, San Antonio, Tex. Children's suspender pants or crawlers. 550,222, Oct. 30; Serial No. 605,309, published Aug. 7, 1951. Class 39.

Kellogg Switchboard and Supply Company, Chicago, Ill. Interior telephone apparatus and parts. 550,198, Oct. 30; Serial No. 599,830, published Aug. 7, 1951. Class 21.

Kemart Corporation, San Francisco, Calif. Lighting units for use in photoengraving. 550,114, Oct. 30; Serial No. 554,123, published June 26, 1951. Class 26.

Kenrose Manufacturing Co., Inc., New York, N. Y. Wash dresses. 550,233, Oct. 30; Serial No. 606,078, published Aug. 14, 1951. Class 39.

Kent-Moore Organization, Inc., Detroit, Mich. Merchandising cabinets and cabinets for parts and tools. 550,112, Oct. 30; Serial No. 552,988, published July 24, 1951. Class 32.

Kerman, Ben J., St. Louis, Mo. Custom styled combination storage and display cabinets. 550,195, Oct. 30; Serial No. 599,247, published July 31, 1951. Class 32.

Kirk, James S., & Company, Chicago, Ill., by The Procter & Gamble Company, Cincinnati, Ohio. Toilet and household soap. 124,549, Feb. 25, 1919. Republished Oct. 30. Class 52.

Klearflax Linen Looms, Inc., The, Duluth, Minn. Linen rugs. 550,208, Oct. 30; Serial No. 602,509, published July 24, 1951. Class 42.

Klein, S., on the Square, Inc., New York, N. Y. Women's hosiery. 550,305, Oct. 30; Serial No. 590,316. Class 39.

Kleinman, K. E.: *See*—
Mace's Inc.

Knobby Kiddie Knitwear, New York, N. Y. Polo shirts. 550,327, Oct. 30; Serial No. 600,682. Class 39.

Kress, S. H., and Company, New York, N. Y. Men's garters. 550,197, Oct. 30; Serial No. 599,729, published Aug. 7, 1951. Class 39.

Lake States Footwear Company, Milwaukee, Wis. Women's overshoes. 550,133, Oct. 30; Serial No. 573,253, published July 24, 1951. Class 39.

La Manna, Azema & Farnan, Inc., New York, N. Y. Olives. 550,325, Oct. 30; Serial No. 600,438. Class 46.

Lang, Harry, Mfg. Co., Des Moines, Iowa, assignee of Lang Industries. Overalls and coveralls. 550,105, Oct. 30; Serial No. 540,683, published Aug. 7, 1951. Class 39.

Lang Industries: *See*—
Lang, Harry, Mfg. Co.

Lee, Bernard, doing business as Bernard's Bootery, Torrance, Calif. Men's shoes. 550,119, Oct. 30; Serial No. 558,658, published Aug. 14, 1951. Class 39.

Liebel-Flarsheim Company, The, Cincinnati, Ohio. X-Ray timers. 550,219, Oct. 30; Serial No. 605,100, published July 17, 1951. Class 26.

Linde Air Products Company, The, now by merger Union Carbide and Carbon Corporation, New York, N. Y. Periodical publication. 444,591, Oct. 30; Serial No. 508,482, published Feb. 15, 1949. Class 38.

Little Shoe Store, Pittsburgh, Pa. Men's, women's and children's shoes. 550,210, Oct. 30; Serial No. 602,902, published July 31, 1951. Class 39.

Lowe, Helen R., Glens Falls, N. Y. Book. 550,142, Oct. 30; Serial No. 576,870, published Aug. 7, 1951. Class 38.

Lumbard-Watson Co., Auburn, Maine. Women's shoes. 550,324, Oct. 30; Serial No. 599,882. Class 39.

Mace's Inc., to K. E. Kleinman, Kansas City, Mo. Jewelry. 511,177, June 21, 1949. New certificate. O. G. Oct. 30. Class 28.

MacIntosh Associates, Inc., Allentown, Pa. Men's dress and sport shirts. 550,107, Oct. 30; Serial No. 543,821, published Aug. 7, 1951. Class 39.

Mackowsky, Daniel, Hackensack, N. J. Women's shoes. 550,160, Oct. 30; Serial No. 584,067, published July 31, 1951. Class 39.

Mad Turk, The: *See*—
Singhrs, Karl C.

Magnet Mills, Inc., Clinton, Tenn. Hosiery. 550,164, Oct. 30; Serial No. 587,199, published Aug. 14, 1951. Class 39.

Mahon, Thomas J., trading as Thomas J. Mahon Company, New York, N. Y. Leaflets or booklets. 550,320, Oct. 30; Serial No. 598,916. Class 38.

Mahon, Thomas J., Company: *See*—
Mahon, Thomas J.

Manilloff, Arthur, trading as Custom Lady Dresses, New York, N. Y. Ladies' dresses. 550,224, Oct. 30; Serial No. 605,432, published Aug. 14, 1951. Class 39.

Marcus Brothers Textile Corp., New York, N. Y. Piece goods. 550,122, Oct. 30; Serial No. 559,165, published July 24, 1951. Class 42.

Marine Craft of America, Chicago, Ill. Sporting goods and equipment. 550,269, Oct. 30; Serial No. 611,797, published Aug. 14, 1951. Class 22.

Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Candies. 550,331, Oct. 30; Serial No. 604,588. Class 46.

Master Metal Products, Inc., Buffalo, N. Y. Covered cans. 284,752, renewed July 7, 1951. O. G. Oct. 30. Class 2.

Maurstad, Ingard O., Fremont, Nebr. Frozen confection. 550,301, Oct. 30; Serial No. 587,642. Class 46.

McBee Company, The, Athens, Ohio. Wood or steel office furniture. 550,106, Oct. 30; Serial No. 543,622, published July 31, 1951. Class 32.

Megowen-Educator Food Company: *See*—
Johnson Educator Food Company.

Meredith Publishing Company, Des Moines, Iowa. Monthly publication. 550,238, Oct. 30; Serial No. 606,979, published Aug. 7, 1951. Class 38.

Michelex Elevator & Warehouse Co., Port Huron, by Michigan Elevator Exchange, Lansing, Mich. Beans. 221,340, Nov. 30, 1926. Republished Oct. 30. Class 46.

Michigan Elevator Exchange: *See*—
Michelex Elevator & Warehouse Co.

Miller, Meyer, doing business under the name Miller Underwear Co., New York, N. Y. Ladies' underwear. 550,332, Oct. 30; Serial No. 607,634. Class 39.

Miller Underwear Co.: *See*—
Miller, Meyer.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Decorative ribbon. 550,245–6, Oct. 30; Serial No. 607,677–8, published Aug. 7, 1951. Class 7.

Modern Manufacturing Co. Inc., New York, N. Y. Dresses, house dresses, aprons, etc. 550,155, Oct. 30; Serial No. 583,212, published Aug. 7, 1951. Class 39.

Morrell, John, & Co., Ottumwa, Iowa. Hams. 550,299, Oct. 30; Serial No. 585,136. Class 46.

Mummert, Maurice M., doing business as Admatic Projector Company, Evanston, Ill. Slide projectors. 550,134, Oct. 30; Serial No. 573,964, published June 26, 1951. Class 26.

Munsingwear Corporation, The, to Munsingwear, Inc., Minneapolis, Minn. Women's and misses' underwear. 285,428, renewed July 28, 1951. O. G. Oct. 30. Class 39.

Munsingwear, Inc.: *See*—
Munsingwear Corporation, The.

National Cellulose Corporation, New York, to National Cellulose Corporation, Baldwinsville, N. Y. Paper handkerchiefs. 270,416, renewed May 6, 1950. O. G. Oct. 30. Class 37.

National Coal Association, Washington, D. C. Complete periodical and emergency repairing, cleaning and conditioning service for domestic heating plants. 550,273, Oct. 30; Serial No. 592,826, published Aug. 14, 1951. Class 103.

National Metal Edge Box Company, to National Metal Edge Box Company, Philadelphia, Pa. Metal stays. 290,286, renewed Dec. 29, 1951. O. G. Oct. 30. Class 13.

National Metal Edge Box Company, to National Metal Edge Box Company, Philadelphia, Pa. Metal-stayed paper boxes. 290,287, renewed Dec. 29, 1951. O. G. Oct. 30. Class 2.

National Social Science Honor Society, Pi Gamma Mu, Incorporated, The, Winfield, Kans. Jewelry. 288,477, renewed Oct. 27, 1951. O. G. Oct. 30. Class 28.

National Sure-Fit Quilting Co. Inc., Nanuet and New York, N. Y. Ruffle-edged quilted coverlets. 550,165, Oct. 30; Serial No. 587,690, published Aug. 7, 1951. Class 42.

Neumode Hosiery Co., Chicago, Ill. Men's, women's, boys', girls' and infants' hosiery. 550,108, Oct. 30; Serial No. 543,975, published Aug. 14, 1951. Class 39.

New Century Milling Company, The, Dallas, Tex. Wheat-flour. 56,830, Oct. 23, 1906. Restricted. O. G. Oct. 30. Class 46.

New England Fish Company, Portland, Maine, and Boston, Mass., to New England Fish Company, Seattle, Wash. Frozen, fresh, and salt fish. 82,816, re-renewed July 25, 1951. O. G. Oct. 30. Class 46.

New England Fish Company, Seattle, Wash. Fish and seafoods. 285,358, renewed July 28, 1951. O. G. Oct. 30. Class 46.

New England Fish Company, Seattle, Wash. Fish and seafoods. 285,958, renewed Aug. 11, 1951. O. G. Oct. 30. Class 46.

Olmsted-Kirk Company, Dallas, Tex. Bond paper. 550,303, Oct. 30; Serial No. 589,465. Class 37.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors and parts. 516,807, Oct. 25, 1949. Corrected. O. G. Oct. 30. Class 23.

Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard motors. 519,909, Jan. 17, 1950. Corrected. O. G. Oct. 30. Class 23.

Pabco Products Inc.: *See*—
Paraffine Companies, Inc., The.

Paraffine Companies, Inc., The, to Pabco Products Inc., San Francisco, Calif. Building paper, thermal and acoustical insulating paper, etc. 286,057, renewed Aug. 11, 1951. O. G. Oct. 30. Class 12.

Peerless Machinery Company, The, Boston, Mass. Eyelet setting machines, lacing hook setting machines, tip perforating machines, etc. 84,673, re-renewed Dec. 26, 1951. O. G. Oct. 30. Class 23.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Ladies', misses', and children's ready-to-wear hats. 283,226, renewed May 19, 1951. O. G. Oct. 30. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y., to J. C. Penney Company, New York, N. Y. Men's, women's, and children's hosiery. 286,853, renewed Sept. 8, 1951. O. G. Oct. 30. Class 39.

Perfex Co., The, to The Rapp-Ramsey Company, Shenandoah, Iowa. Dry cleaning preparation. 510,669, June 7, 1949. New certificate. O. G. Oct. 30. Class 4.

Perfex Company, The, to The Rapp-Ramsey Company, Shenandoah, Iowa. Laundry starch. 505,691, Jan. 18, 1949. New certificate. O. G. Oct. 30. Class 6.

Perfex Company, The, to The Rapp-Ramsey Company, Shenandoah, Iowa. Soapless detergent. 523,185, Mar. 28, 1950. New certificate. O. G. Oct. 30. Class 52.

Perfex Company, The, to The Rapp-Ramsey Company, Shenandoah, Iowa. Soapless detergent. 528,912, Aug. 8, 1950. New certificate. O. G. Oct. 30. Class 52.

Permoflux Corporation, Chicago, Ill. Permanent magnet dynamic transducers and electrically operated dictating machines. 550,257, Oct. 30; Serial No. 610,335, published Aug. 7, 1951. Class 21.

Pet Milk Company: *See*—
Valecia Evaporated Milk Co.

Phaneuf, Raymond A., Waterbury, Conn. Posting trays. 550,201, Oct. 30; Serial No. 601,116, published July 31, 1951. Class 32.

Philippine Manufacturing Company, Manila, Philippine Islands, by The Procter & Gamble Company, Cincinnati, Ohio. Vegetable lard compound. 204,840, Oct. 27, 1925. Republished Oct. 30. Class 46.

Phillips-Jones Corporation, New York, N. Y. Men's and boys' dress, sport, and work clothing. 550,216–17, Oct. 30; Serial No. 604,989, published Aug. 7, 1951. Class 39.

Plastic Art Toy Corporation of America, Carlstadt, N. J. Plastic toy refreshment sets. 550,264, Oct. 30; Serial No. 610,923, published Aug. 14, 1951. Class 22.

Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y., by Polak & Schwarz, Inc., New York, N. Y. Natural and synthetic essential oils, aromatic chemicals, etc. 278,916–17, Jan. 6, 1931. Republished Oct. 30. Class 6.

Premier Knitting Co. Inc., New York, N. Y. Ladies' and misses' sweaters and sweater ensembles. 550,225, Oct. 30; Serial No. 605,437, published July 31, 1951. Class 39.

Prentiss Wabers Products Co., Wisconsin Rapids, Wis. Electric cooking ranges, and heat distribution blowers. 550,255, Oct. 30; Serial No. 609,050, published Aug. 14, 1951. Class 21.

Pressing Supply Company, Philadelphia, Pa. Ironing board pads and ironing board pad covers. 550,267, Oct. 30; Serial No. 611,307, published Aug. 14, 1951. Class 24.

Princess Pat, Ltd.: *See*—
Gordon, M. Martin.

Procter & Gamble Company, The: *See*—
Kirk, James S., & Company.
Philippine Manufacturing Company.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing soap-like detergent. 550,286, Oct. 30; Serial No. 554,041. Class 52.

Pycope Incorporated, Jersey City, N. J. Tooth brushes. 285,834, Aug. 11, 1931. Republished Oct. 30. Class 29.

Quaker Stretcher Company, Kenosha, Wis. Curtain stretchers. 550,104, Oct. 30; Serial No. 539,900, published Aug. 7, 1951. Class 24.

Rainbow Manufacturing & Sales Company, Chattanooga, Tenn., formerly Rainbow Sales Company. Irrigation nozzle, and a tripod therefor. 550,292, Oct. 30; Serial No. 569,639. Class 13.

Rainbow Sales Company: *See*—
Rainbow Manufacturing & Sales Company.

Ralston Purina Company, St. Louis, Mo. Worm capsules, insect powder, disinfectants, etc. 289,064, renewed Nov. 17, 1951. O. G. Oct. 30. Class 18.

Rapp-Ramsey Company, The: *See*—
Corner, Carleton C.
Perfex Co., The.
Perfex Company, The.

Ratti, Giuseppe, Torino, Italy. Spectacles, spectacle frames, etc. 550,127, Oct. 30; Serial No. 563,752, published Aug. 7, 1951. Class 26.

Rauhoff, John M., to Ironite Company, Chicago, Ill. structures, etc. 83,943, re renewed Oct. 24, 1951. Composition to be applied to cement and concrete O. G. Oct. 30. Class 12.

Raylite Electric Corp.: *See*—
Raylite Trading Co., Inc.

Raylite Trading Co., Inc., New York, to Raylite Electric Corp., Bronx, N. Y. Electric-light bulbs, incandescent lamps, fuses, etc. 284,915, renewed July 14, 1951. O. G. Oct. 30. Class 21.

Red Line Commercial Company, Inc., trading as Cliff House Distributors, New York, N. Y. Unshelled nuts and canned goods. 546,666, Aug. 14, 1951. Corrected. O. G. Oct. 30. Class 46.

Rees, Hermine, Arlington, Mass. Maternity slips and gowns. 550,191, Oct. 30; Serial No. 597,230, published Aug. 14, 1951. Class 39.

Rex Co., Inc., The, to The Rex Corporation, Cambridge, Mass. Plastic composition in the form of thread or rodding used as wound electrical insulation. 419,098, Feb. 5, 1946. New certificate. O. G. Oct. 30. Class 21.

Rex Corporation, The: *See*—
Rex Co., Inc., The.

Rhythm Lingerie, Inc., New York, N. Y. Ladies' and misses' slips and nightgowns. 550,228, Oct. 30; Serial No. 605,611, published Aug. 14, 1951. Class 39.

Rhythm Lingerie, Inc., New York, N. Y. Ladies' and misses' slips, petticoats, and nightgowns. 550,229, Oct. 30; Serial No. 605,612, published Aug. 14, 1951. Class 39.

Riddell, John T., Inc., Chicago, Ill. Shoes. 550,118, Oct. 30; Serial No. 558,169, published Aug. 14, 1951. Class 39.

Riegel Paper Corporation, New York, N. Y. Tympan paper and bristol board. 288,073, Oct. 20, 1931. Republished Oct. 30. Class 37.

Rieke, Sidney C., San Juan, Tex. Fresh citrus and deciduous fruits and vegetables. 550,275, Oct. 30; Serial No. 535,260, published Aug. 7, 1951. Class 46.

Rogers Peet Company, New York, N. Y. Men's and boys' overcoats, suits, light weight suits, etc. 550,125, Oct. 30; Serial No. 563,278, published July 31, 1951. Class 39.

Rogers, Saul, Brooklyn, N. Y. Ladies' and misses' hair nets, and knitted outerwear. 550,232, Oct. 30; Serial No. 605,917, published Aug. 14, 1951. Class 39.

Rucker, Herbert, doing business as Rucker Mfg. Co., St. Albans and Jamaica, N. Y. Fishing bait and tackle boxes. 550,196, Oct. 30; Serial No. 599,530, published Aug. 14, 1951. Class 22.

Rucker Mfg. Co.: *See*—
Rucker, Herbert.

Rush, Grace A., Inc., Hyde Park, Cincinnati, to Grace A. Rush, Inc., Cincinnati, Ohio. Fruit cakes, black walnut fruit cakes, mapled pecans, spiced cinnamon almonds, etc. 288,918, renewed Nov. 10, 1951. O. G. Oct. 30. Class 46.

Sargent & Company, New Haven, Conn. Door locks and cylinder latches. 550,265, Oct. 30; Serial No. 610,992, published Aug. 14, 1951. Class 25.

Sawyers Furniture Company, Galax, Va. Living room furniture. 550,166, Oct. 30; Serial No. 588,049, published July 31, 1951. Class 32.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' and children's chemises, princess slips, etc. 550,121, Oct. 30; Serial No. 558,942, published Aug. 14, 1951. Class 39.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 550,150, Oct. 30; Serial No. 580,752, published Aug. 7, 1951. Class 39.

Schott, Harold C.: *See*—
Schott, Walter E.

Schott, Walter E., assignee of The United States Air Compressor Company, to Harold G. Schott, Cleveland, Ohio. Fluid line fittings and supplies. 541,895, May 8, 1951. New certificate. O. G. Oct. 30. Class 13.

Schwartz, Charles, & Co., Chicago, Ill. Dish towels. 550,132, Oct. 30; Serial No. 572,816, published Aug. 7, 1951. Class 42.

Schwarze Elec. Co., to Sperti Faraday Inc., Adrian, Mich. Audible signals. 289,615, renewed Dec. 1, 1951. O. G. Oct. 30. Class 23.

Scripto, Inc.: *See*—
Scripto Manufacturing Company.

Scripto Manufacturing Company, to Scripto, Inc., Atlanta, Ga. Stationery items. 286,873, renewed Sept. 8, 1951. O. G. Oct. 30. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 550,124, Oct. 30; Serial No. 561,495, published July 24, 1951. Class 42.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs and carpeting. 550,151, Oct. 30; Serial No. 581,089, published July 24, 1951. Class 42.

Seeck & Kade, Inc., New York, N. Y. Household proprietary preparation for the treatment of common colds, etc. 289,082, renewed Nov. 17, 1951. O. G. Oct. 30. Class 18.

Sego Milk Products Company: *See*—
Utah Condensed Milk Co.

Sego Milk Products Company, Salt Lake City, Utah. Butter, cheese, powdered skim milk, etc. 288,598, renewed Nov. 3, 1951. O. G. Oct. 30. Class 46.

Seull, William S., Company, Camden, N. J. Coffee. 84,686, re-renewed Dec. 26, 1951. O. G. Oct. 30. Class 46.

Shu-Stiks, Incorporated, St. Louis, Mo. Women's shoes. 550,147, Oct. 30; Serial No. 579,838, published Aug. 7, 1951. Class 39.

Sierra Club, San Francisco, Calif. Exploring and discovering, gathering, compiling and disseminating information about parts of the earth and its life. 550,274, Oct. 30; Serial No. 598,609, published Aug. 14, 1951. Class 100.

Silex Company, The, Hartford, Conn. Electric water heaters. 550,153, Oct. 30; Serial No. 581,835, published Aug. 7, 1951. Class 21.

Singhrs, Karl C., doing business as The Mad Turk, Kennewick, Wash. Negotiating the sale of automotive vehicles owned by others. 550,272, Oct. 30; Serial No. 599,119, published Aug. 14, 1951. Class 101.

Slip-Not Belting Corporation, Kingsport, Tenn. Loom check straps. 550,297, Oct. 30; Serial No. 577,820. Class 23.

Slip-Not Belting Corporation, Kingsport, Tenn. Loom check straps. 550,298, Oct. 30; Serial No. 578,054. Class 23.

Social Science Publishing Company, Winfield, Kans. Periodical. 287,963, renewed Oct. 20, 1951. O. G. Oct. 30. Class 38.

Societe a Responsabilite Limitee Jean Desses, Paris, France. Clothing. 550,213, Oct. 30; Serial No. 604,665, published Aug. 7, 1951. Class 39.

Societe a Responsabilite Limitee: Societe Industrielle de Lunetterie, Vincennes, Seine, France. Metallic frame for spectacles. 550,247–8, Oct. 30; Serial Nos. 607,770–1, published July 31, 1951. Class 26.

Society for Visual Education, Inc., Chicago, Ill. Still picture projector. 550,236, Oct. 30; Serial No. 606,573, published July 31, 1951. Class 26.

Sonneborn, L., Sons, Inc., New York, N. Y. Asphalt compositions and paints. 84,030, Oct. 31, 1911. Republished Oct. 30. Class 16.

Sorenson, A. A., Company: *See*—
Sorenson, Alvin A.

Sorenson, Alvin A., doing business under the name and style of A. A. Sorenson Company, Albert Lea, Minn. Toy building blocks. 550,256, Oct. 30; Serial No. 609,742, published Aug. 14, 1951. Class 22.

Southern Fruit Distributors, Inc., Orlando, Fla. Canned citrus fruit juices. 550,110, Oct. 30; Serial No. 551,918, published Aug. 30, 1949. Class 46.

Southern Fruit Distributors, Inc., Orlando, Fla. Canned blended citrus fruit juices. 550,113, Oct. 30; Serial No. 553,028, published Aug. 30, 1949. Class 46.

Southern Fruit Distributors, Inc., Orlando, Fla. Canned citrus fruits and canned citrus juices. 550,115, Oct. 30; Serial No. 554,826, published Sept. 27, 1949. Class 46.

Southern Fruit Distributors, Inc., Orlando, Fla. Fresh citrus fruits and fresh tomatoes. 550,156, Oct. 30; Serial No. 583,414, published Aug. 22, 1950. Class 46.

Sperti Faraday Inc.: *See*—
Schwarze Elec. Co.

Spiegel, Inc., Chicago, Ill. Sleeping bags. 550,209, Oct. 30; Serial No. 602,723, published Aug. 14, 1951. Class 22.

Spiegel, Inc., Chicago, Ill. Storage batteries. 550,244, Oct. 30; Serial No. 607,239, published Aug. 14, 1951. Class 21.

Spiegel, Paul, doing business as Fairley Cosmetics Co., New York, N. Y. Deodorant. 550,316, Oct. 30; Serial No. 598,505. Class 51.

Stanley Bros. Toys: *See*—
Stanley, Darwin C.

Stanley, Darwin C., doing business as Stanley Bros. Toys, Paramount, Calif. Toy rocking horses. 550,268, Oct. 30; Serial No. 611,727, published Aug. 14, 1951. Class 22.

Stanley Works, The, New Britain, Conn. Unitary portable hand-operated electric drills, saws, screw drivers, etc. 550,205, Oct. 30; Serial No. 602,427, published Aug. 14, 1951. Class 21.

Staunt, M. Mfg. Co.: *See*—
Staunt, Martin.

Staunt, Martin, doing business as M. Staunt Mfg. Co., Chicago, Ill. Manually operated devices for retrieving golf balls. 550,300, Oct. 30; Serial No. 586,067. Class 22.

Steelcote Manufacturing Company, to Steelcote Manufacturing Company, St. Louis, Mo. Caulk and roofing cement. 275,717, Sept. 30, 1930. New certificate. O. G. Oct. 30. Class 12.

Steelcote Manufacturing Company, to Steelcote Manufacturing Company, St. Louis, Mo. Paints. 329,623, Nov. 5, 1935. New certificate. O. G. Oct. 30. Class 16.

Steele-Wedeles Co., Chicago, Ill. Nonalcoholic, noncereal, maltless beverages. 280,992, Mar. 3, 1931. Republished Oct. 30. Class 45.

Stiebel & Company Limited, Nottingham, England. Window curtains, drapes, bedspreads, etc. 550,128, Oct. 30; Serial No. 565,974, published July 24, 1951. Class 42.

Stienen, Ernest A., New York, to E. A. Stienen, Bronx, N. Y. Dyeing machinery, driers, and extractors. 285,181, renewed July 14, 1951. O. G. Oct. 30. Class 23.

Storm Flooring Co., Incorporated: *See*—
Storm, Geo. H., & Co., Inc.

Storm, Geo. H., & Co., Inc., assignor to R. W. Storm, to Storm Flooring Co., Incorporated, New York, N. Y. Wooden flooring. 284,061, renewed June 16, 1951. O. G. Oct. 30. Class 12.

Storm, Raymond W., assignee: *See*—
Storm, Geo. H., & Co., Inc.

Stromberg-Carlson Company: *See*—
Stromberg-Carlson Telephone Manufacturing Company.

Stromberg-Carlson Telephone Manufacturing Company, to Stromberg-Carlson Company, Rochester, N. Y. Radio receiving sets. 285,738, renewed Aug. 4, 1951. O. G. Oct. 30. Class 21.

Strouse, Adler Company, The, New Haven, Conn. Women's corsets, girdles, and one-piece foundations. 550,116, Oct. 30; Serial No. 557,087, published Aug. 14, 1951. Class 39.

Suncol Publications, Inc., Fort Lauderdale, Fla. Periodic magazines. 550,240, Oct. 30; Serial No. 607,053, published Aug. 7, 1951. Class 38.

Superb Glove Company, The, Johnstown, N. Y. Ladies' and men's leather gloves. 550,334, Oct. 30; Serial No. 609,746. Class 39.

Superior Wall Products Co., Philadelphia, Pa. Pressed wood fiber wall boards. 550,295, Oct. 30; Serial No. 573,395. Class 12.

Sure-Fit Products Company, Bethlehem, Pa. Ready-made slipcovers. 550,171, Oct. 30; Serial No. 591,207, published July 31, 1951. Class 32.

Sylvania Electric Products Inc., New York, N. Y. Photoflash lamps. 550,211, Oct. 30; Serial No. 603,088, published Aug. 7, 1951. Class 26.

Tailored Woman, Inc., The, New York, N. Y. Women's and misses' wearing apparel. 550,214, Oct. 30; Serial No. 604,884, published Aug. 14, 1951. Class 39.

Taylor-Bramley Company, The, Chicopee Falls, Mass. Children's knit underwear. 550,109, Oct. 30; Serial No. 546,736, published July 24, 1951. Class 39.

Technicolor Motion Picture Corporation, Hollywood, Calif. Motion picture film. 550,194, Oct. 30; Serial No. 598,616, published July 31, 1951. Class 26.

Teddy's the House of Sea Food, Inc., New York, N. Y. Frosted seafood. 550,317–18, Oct. 30; Serial Nos. 598,511–12. Class 46.

Thomas Associates, Los Angeles, Calif. Washer-like shims or spacers. 550,174, Oct. 30; Serial No. 592,449, published Aug. 7, 1951. Class 13.

Thunder Bay Originals, Inc., Alpena, Mich. Men's, women's and children's auto jackets. 550,314, Oct. 30; Serial No. 597,923. Class 39.

Toilet Goods Association, Inc., The, New York, N. Y. Services rendered to its members. 550,270, Oct. 30; Serial No. 560,583, published Aug. 14, 1951. Class 100.

Travers & Company, Inc., Boston, Mass. Gum tape printing machines. 550,177, Oct. 30; Serial No. 593,092, published May 29, 1951. Class 23.

Trav-Ler Radio Corporation, Chicago, Ill. Television receiving sets. 550,250, Oct. 30; Serial No. 607,972, published Aug. 14, 1951. Class 21.

Tully, Henry J., & Co., Inc., New York, N. Y. Knitted underwear. 550,123, Oct. 30; Serial No. 560,427, published Aug. 14, 1951. Class 39.

Underwood Corporation, New York, N. Y. Adding and accounting machines. 550,202, Oct. 30; Serial No. 601,291, published July 24, 1951. Class 26.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 286,856, renewed Sept. 8, 1951. O. G. Oct. 30. Class 2.

Union Bag & Paper Corporation, New York, N. Y. Paper bags. 286,858, renewed Sept. 8, 1951. O. G. Oct. 30. Class 2.

Union Carbide and Carbon Corporation: *See*—
Linde Air Products Company, The.

United Aircraft Corporation: *See*—
Chance Vought Corporation.

United Feature Syndicate, Inc., New York, N. Y. Periodical. 550,180, Oct. 30; Serial No. 594,819, published Aug. 7, 1951. Class 38.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 550,239, Oct. 30; Serial No. 606,990, published Aug. 7, 1951. Class 38.

United States Air Compressor Company, The: *See*—
Schott, Walter E.

U. S. Bedding Company, Memphis, Tenn. Mattresses. 550,120, Oct. 30; Serial No. 558,674, published July 24, 1951. Class 32.

Universal Laboratories: *See*—
Goodier, Elwood J.

Utah Condensed Milk Co., Richmond, to Sego Milk Products Company, Salt Lake City, Utah. Condensed milk. 84,441, re-renewed Dec. 12, 1951. O. G. Oct. 30. Class 46.

Valecia Evaporated Milk Co., Madison, Wis., by Pet Milk Company, St. Louis, Mo. Evaporated milk. 113,194, Oct. 10, 1916. Republished Oct. 30. Class 46.

Van Raalte Company, Inc., New York, N. Y. Women's hosiery. 550,330, Oct. 30; Serial No. 604,051. Class 39.

Vantress Hatchery and Breeding Farm, also doing business as Vantress Poultry Breeding Farm, Marysville, Calif. Live chickens. 550,307, Oct. 30; Serial No. 591,387. Class 1.

Vantress Poultry Breeding Farm: *See*—
Vantress Hatchery and Breeding Farm.

Vel-Feet Co., Philadelphia, Pa. Preparation for the treatment of tinea. 341,290, Dec. 1, 1936. Republished Oct. 30. Class 18.

Wahlfeld, Otto, Peoria, Ill. Exterior siding for dwellings. 550,293, Oct. 30; Serial No. 571,771. Class 12.

Wallerstein Company, Inc., New York, N. Y. Enzymatic material. 290,086, renewed Dec. 22, 1951. O. G. Oct. 30. Class 6.

Warren Featherbone Co., The, to The Warren Featherbone Company, Three Oaks, Mich. Stiffening cords, blades, and tapes. 83,112, re-renewed Aug. 15, 1951. O. G. Oct. 30. Class 40.

Warren Featherbone Company, The: *See*—
Warren Featherbone Co., The.

Warren Featherbone Company, The, Three Oaks, Mich. Bias fold tape, blanket binding, braids, etc. 286,886, renewed Sept. 8, 1951. O. G. Oct. 30. Class 40.

Wels, John M., Atlanta, Ga. Making arrangements for parties. 550,336, Oct. 30; Serial No. 535,284. Class 100.

Westfeldt Brothers, New Orleans, La. Coffee. 144,972, July 19, 1921. Republished Oct. 30. Class 46.

Westfeldt Brothers, New Orleans, La. Green coffees. 192,960, Dec. 16, 1924. Republished Oct. 30. Class 46.

Westfeldt Brothers, New Orleans, La. Green coffee. 241,577, May 1, 1928. Republished Oct. 30. Class 46.

White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg. Self-cooling water bag. 550,312, Oct. 30; Serial No. 596,890. Class 2.

Williams, R. C., & Company, Inc., New York, N. Y. Canned tomatoes. 550,335, Oct. 30; Serial No. 609,993. Class 46.

Wilson Products, Inc., Reading, Pa. Ophthalmic lenses. 550,178, Oct. 30; Serial No. 593,310, published June 26, 1951. Class 26.

Wingo Insurance Service: *See*—
Wingo, Tullius L.

Wingo, Tullius L., doing business as Wingo Insurance Service, El Paso, Tex. General insurance brokerage. 550,337, Oct. 30; Serial No. 598,230. Class 102.

Winsted Hardware Manufacturing Company, The, Winsted, Conn. Electrical sadirons. 550,203, Oct. 30; Serial No. 601,485, published Aug. 7, 1951. Class 21.

Worumbo Manufacturing Company, Lisbon Falls, Maine. Woolen goods in the piece. 550,190, Oct. 30; Serial No. 597,187, published July 24, 1951. Class 42.

Yolande Corporation, New York, N. Y. Women's pajamas and robes. 550,306, Oct. 30; Serial No. 590,849. Class 39.

Zebra Picture Books, Cincinnati, Ohio. Books and picture books. 550,152, Oct. 30; Serial No. 581,228, published June 19, 1951. Class 38.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Live chickens. Vantress Hatchery and Breeding Farm. 550,307, Oct. 30; Serial No. 591,387.

CLASS 2

Bag, Self-cooling water. White-Stag Manufacturing Corporation. 550,312, Oct. 30; Serial No. 596,890.

Bags, Paper. Union Bag & Paper Corporation. 286,856, renewed Sept. 8, 1951. O. G. Oct. 30.

Bags, Paper. Union Bag & Paper Corporation. 286,858, renewed Sept. 8, 1951. O. G. Oct. 30.

Boxes, Metal-stayed paper. National Metal Edge Box Company. 290,287, renewed Dec. 29, 1951. O. G. Oct. 30.

Boxes, Paperboard shipping. Fibreboard Products Inc. 550,294, Oct. 30; Serial No. 572,733.

Cans, Covered. Master Metal Products, Inc. 284,752, renewed July 7, 1951. O. G. Oct. 30.

CLASS 3

Handbags, Ladies'. Ingber, Inc. 550,212, Oct. 30; Serial No. 603,242, published Aug. 7, 1951.

CLASS 4

Dry cleaning preparation. The Perfex Co. 510,669, June 7, 1949. New certificate. O. G. Oct. 30.

CLASS 6

Accelerators for the vulcanization of caoutchouc. The Goodyear Tire & Rubber Company. 289,481, renewed Dec. 1, 1951. O. G. Oct. 30.

Bleach, deodorizer, and disinfectant. C. C. Corner. 383,236, Nov. 26, 1940. New certificate. O. G. Oct. 30.

Creosote oil. The Barrett Company. 285,699, renewed Aug. 4, 1951. O. G. Oct. 30.

Enzymatic material. Wallerstein Company, Inc. 290,086, renewed Dec. 22, 1951. O. G. Oct. 30.

Gloss starch. American Maize-Products Company. 285,640, renewed Aug. 4, 1951. O. G. Oct. 30.

Insecticide and insect repellant and naphthalene. The Barrett Company. 290,011, renewed Dec. 22, 1951. O. G. Oct. 30.

Laundry starch. The Perfex Company. 505,691, Jan. 18, 1949. New certificate. O. G. Oct. 30.

Natural and synthetic essential oils, aromatic chemicals, etc. Polak & Schwarz. 278,916–17, Jan. 6, 1931. Republished Oct. 30.

Reagent used in detecting urine sugar. J. Hilgers. 550,175, Oct. 30; Serial No. 592,494, published Aug. 7, 1951.

Waterproofing compositions. Aquex Development and Sales Corporation. 550,163, Oct. 30; Serial No. 586,618, published July 31, 1951.

CLASS 7

Cordage and twines. Drummondville Cotton Company, Limited. 550,215, Oct. 30; Serial No. 604,957, published Aug. 14, 1951.

Ribbon, Decorative. Minnesota Mining & Manufacturing Company. 550,245–6, Oct. 30; Serial Nos. 607,677–8, published Aug. 7, 1951.

CLASS 12

Asbestos fibre products. Asbestospray Corp. 550,322, Oct. 30; Serial No. 599,483.

Building paper, thermal and acoustical insulating paper, etc. The Paraffine Companies, Inc. 286,057, renewed Aug. 11, 1951. O. G. Oct. 30.

Caulk and roofing cement. Steelcote Manufacturing Company. 275,717, Sept. 30, 1930. New certificate. O. G. Oct. 30.

Composition to be applied to cement and concrete structures, etc. J. M. Rauhoff. 83,943, re-renewed Oct. 24, 1951. O. G. Oct. 30.
Exterior siding for dwellings. O. Wahlfeld. 550,293, Oct. 30; Serial No. 571,771.
Flooring, Wooden. Geo. H. Storm & Co., Inc. 284,061, renewed June 16, 1951. O. G. Oct. 30.
Shingles, Aluminum, corrugated roofing, down spouts, etc. Aluminum Company of America. 288,976–7, renewed Nov. 14, 1951. O. G. Oct. 30.
Wall boards, Pressed wood fiber. Superior Wall Products Co. 550,295, Oct. 30; Serial No. 573,395.

CLASS 13

Cable clamps. Metal devices for preventing vibration of electric cables, etc. Aluminum Company of America. 286,617–18, renewed Sept. 1, 1951. O. G. Oct. 30.
Cotter pins. American Steel Company. 290,321, renewed Jan. 5, 1952. O. G. Oct. 30.
Fittings and supplies, Fluid line. W. E. Schott. 541,895, May 8, 1951. New certificate. O. G. Oct. 30.
Irrigation nozzle, and a tripod therefor. Rainbow Manufacturing & Sales Company. 550,292, Oct. 30; Serial No. 569,639.
Metal stays. National Metal Edge Box Company. 290,280, renewed Dec. 29, 1951. O. G. Oct. 30.
Plastic screen cloth. Chicopee Manufacturing Corporation of Georgia. 414,821, June 26, 1945. Republished Oct. 30.
Washer-like shims or spacers. Thomas Associates. 550,174, Oct. 30; Serial No. 592,449, published Aug. 7, 1951.
Wire screening, Insect. Insect Wire Screening Bureau. 550,328, Oct. 30; Serial No. 587,553.

CLASS 15

Anti-seize compound. Aluminum Company of America. 287,719–20, renewed Oct. 6, 1951. O. G. Oct. 30.
Oil, Motor. G-B Corporation. 550,321, Oct. 30; Serial No. 569,162.
Precipitant and separating agent used as a fuel oil additive. W. R. Elliott. 550,290, Oct. 30; Serial No. 564,196.

CLASS 16

Asphalt compositions and paints. L. Sonneborn Sons, Inc. 84,050, Oct. 31, 1911. Republished Oct. 30.
Paint, Prepared, etc. The Barrett Company. 286,934, renewed Sept. 8, 1951. O. G. Oct. 30.
Paints. Steelcote Manufacturing Company. 329,623, Nov. 5, 1935. New certificate. O. G. Oct. 30.

CLASS 17

Cigars. H. Fendrich. 83,149, re-renewed Aug. 22, 1951. O. G. Oct. 30.

CLASS 18

Household proprietary preparation for the treatment of common colds, etc. Seeck & Kade, Inc. 289,082, renewed Nov. 17, 1951. O. G. Oct. 30.
Laxatives. E. J. Goodier. 282,368, renewed April 21, 1951. O. G. Oct. 30.
Perfumes, toilet water, face-powders, etc. M. M. Gordon. 146,236, Sept. 6, 1921. Republished Oct. 30.
Preparation for the treatment of tinea. Vel-Feet Co. 341,290, Dec. 1, 1936. Republished Oct. 30.
Salve. D. Stamates. 550,296, Oct. 30; Serial No. 573,929.
Salve. G. L. Gowdy. 550,302, Oct. 30; Serial No. 589,085.
Worm capsules, insect powder, disinfectants, etc. Ralston Purina Company. 289,064, renewed Nov. 17, 1951. O. G. Oct. 30.

CLASS 19

Aircraft. Chance Vought Corporation. 286,752, Sept. 1, 1951. Republished Oct. 30.

CLASS 20

Felt base, linoleum and composition floor coverings and rugs. Bonafide Mills, Inc. 550,135–6, Oct. 30; Serial No. 574,010, published Aug. 7, 1951.

CLASS 21

Cooking ranges, Electric, and heat distribution blowers. Prentiss Wabers Products Co. 550,255, Oct. 30; Serial No. 569,050, published Aug. 14, 1951.
Electric drills, saws, screw drivers, etc., Unitary portable hand-operated. The Stanley Works. 550,205, Oct. 30; Serial No. 602,427, published Aug. 14, 1951.
Electric floor machines. Holt Manufacturing Company. 550,130, Oct. 30; Serial No. 570,202, published Aug. 14, 1951.
Electric-light bulbs, incandescent lamps, fuses, etc. Raylite Trading Co., Inc. 284,915, renewed July 14, 1951. O. G. Oct. 30.
Electric motors. Howell Electric Motors Company. 550,263, Oct. 30; Serial No. 610,844, published Aug. 14, 1951.
Electric power units. Altorfer Bros. Company. 287,126, renewed Sept. 15, 1951. O. G. Oct. 30.
Electrical connectors. Burndy Engineering Company, Inc. 550,242, Oct. 30; Serial No. 607,156, published Aug. 14, 1951.
Electrical connectors. Burndy Engineering Company, Inc. 550,243, Oct. 30; Serial No. 607,159, published Aug. 14, 1951.
Electrical sadirons. The Winsted Hardware Manufacturing Company. 550,203, Oct. 30; Serial No. 601,485, published Aug. 7, 1951.
Flexible steel-cored magnesium ribbon anode. Dowell Incorporated. 550,223, Oct. 30; Serial No. 605,412, published Aug. 14, 1951.
Heaters, Electric water. The Silex Company. 550,153, Oct. 30; Serial No. 581,835, published Aug. 7, 1951.
Heaters, Electric water, and electric fans. American Gas Machine Company. 550,266, Oct. 30; Serial No. 611,123, published Aug. 14, 1951.
Interior telephone apparatus and parts. Kellogg Switchboard and Supply Company. 550,198, Oct. 30; Serial No. 599,830, published Aug. 7, 1951.
Permanent magnet dynamic transducers and electrically operated dictating machines. Permoflux Corporation. 550,257, Oct. 30; Serial No. 610,335, published Aug. 7, 1951.
Plastic composition in the form of thread or rodding used as wound electrical insulation. The Rex Co., Inc. 419,098, Feb. 5, 1946. New certificate. O. G. Oct. 30.
Receiving sets, Radio. Stromberg-Carlson Telephone Manufacturing Company. 285,738, renewed Aug. 4, 1951. O. G. Oct. 30.
Receiving sets, Television. Trav-Ler Radio Corporation. 550,250, Oct. 30; Serial No. 607,972, published Aug. 14, 1951.
Storage batteries. Spiegel, Inc. 550,244, Oct. 30; Serial No. 607,239, published Aug. 14, 1951.

CLASS 22

Bowling pins. The Brunswick-Balke-Collender Company. 550,258–60, Oct. 30; Serial Nos. 610,823–5, published Aug. 14, 1951.
Bowling pins. The Brunswick-Balke-Collender Company. 550,261–2, Oct. 30; Serial Nos. 610,827–8, published Aug. 14, 1951.
Fishing bait and tackle boxes. H. Rucker. 550,196, Oct. 30; Serial No. 599,530, published Aug. 14, 1951.
Manually operated devices for retrieving golf balls. M. Staunt. 550,300, Oct. 30; Serial No. 586,067.
Plastic figurines used for toy and amusement purposes, and toy animals. Bergen Toy & Novelty Co., Inc. 550,253, Oct. 30; Serial No. 608,405, published Aug. 14, 1951.
Sleeping bags. Spiegel, Inc. 550,209, Oct. 30; Serial No. 602,723, published Aug. 14, 1951.
Sporting goods and equipment. Marine Craft of America. 550,269, Oct. 30; Serial No. 611,797, published Aug. 14, 1951.
Toy building blocks. A. A. Sorenson. 550,256, Oct. 30; Serial No. 609,742, published Aug. 14, 1951.
Toy refreshment sets, Plastic. Plastic Art Toy Corporation of America. 550,264, Oct. 30; Serial No. 610,923, published Aug. 14, 1951.
Toy rocking horses. D. C. Stanley. 550,268, Oct. 30; Serial No. 611,727, published Aug. 14, 1951.

CLASS 23

Audible signals. Schwarze Elec. Co. 289,615, renewed Dec. 1, 1951. O. G. Oct. 30.
Dyeing machinery, driers, and extractors. E. A. Stienen. 285,181, renewed July 14, 1951. O. G. Oct. 30.
Eyelet setting machines, lacing hook setting machines, tip perforating machine, etc. The Peerless Machinery Company. 84,673, re-renewed Dec. 26, 1951. O. G. Oct. 30.
Loom check straps. Slip-Not Belting Corporation. 550,297, Oct. 30; Serial No. 577,820.
Loom check straps. Slip-Not Belting Corporation. 550,298, Oct. 30; Serial No. 578,054.
Outboard motors. Outboard, Marine and Manufacturing Company. 519,909, Jan. 17, 1950. Corrected. O. G. Oct. 30.
Outboard motors and parts. Outboard, Marine and Manufacturing Company. 516,807, Oct. 25, 1949. Corrected. O. G. Oct. 30.
Printing machines, Gum tape. Travers & Company, Inc. 550,177, Oct. 30; Serial No. 593,092, published May 29, 1951.

CLASS 24

Curtain stretchers. Quaker Stretcher Company. 550,104, Oct. 30; Serial No. 539,900, published Aug. 7, 1951.
Ironing board pads and ironing board pad covers. Pressing Supply Company. 550,267, Oct. 30; Serial No. 611,307, published Aug. 14, 1951.

CLASS 25

Locks, Door, and cylinder latches. Sargent & Company. 550,265, Oct. 30; Serial No. 610,992, published Aug. 14, 1951.

CLASS 26

Adding and accounting machines. Underwood Corporation. 550,202, Oct. 30; Serial No. 601,291, published July 24, 1951.

Charts, Manipulable rotative astrological. M. B. Chern. 550,111, Oct. 30; Serial No. 552,539, published July 24, 1951.
Film, Motion picture. Technicolor Motion Picture Corporation. 550,194, Oct. 30; Serial No. 598,616, published July 31, 1951.
Lenses, Ophthalmic. Wilson Products, Inc. 550,178, Oct. 30; Serial No. 593,310, published June 26, 1951.
Lighting units for use in photoengraving. Kemart Corporation. 550,114, Oct. 30; Serial No. 554,123, published June 26, 1951.
Metallic frame for spectacles Societe a Responsabilite Limitee: Societe Industrielle de Luneterie. 550,247–8, Oct. 30; Serial Nos. 607,770–1, published July 31, 1951.
Oscillographs. Bendix Aviation Corporation. 550,183, Oct. 30; Serial No. 595,489, published Aug. 7, 1951.
Photo-flash lamps. Sylvania Electric Products Inc. 550,211, Oct. 30; Serial No. 603,088, published Aug. 7, 1951.
Photographic flash lamps. Dura Electric Lamp Co., Inc. 550,192, Oct. 30; Serial No. 598,171, published July 24, 1951.
Projector, Still picture. Society for Visual Education, Inc. 550,236, Oct. 30; Serial No. 606,573, published July 31, 1951.
Projectors, Motion picture. Bell & Howell Company. 550,159, Oct. 30; Serial No. 584,051, published June 26, 1951.
Projectors, Slide. M. M. Mummert. 550,134, Oct. 30; Serial No. 573,964, published June 26, 1951.
Sensitized photographic paper. Agfa Ansco Corporation. 286,706, renewed Sept. 1, 1951. O. G. Oct. 30.
Signal generator. Electronics Research, Inc. 550,167, Oct. 30; Serial No. 589,249, published July 17, 1951.
Spectacles, spectacle frames, etc. G. Ratti. 550,127, Oct. 30; Serial No. 563,752, published Aug. 7, 1951.
Sunglasses, eyeglass frames, goggles and temple bars. Columbia Protektosite Co. Inc. 550,170, Oct. 30; Serial No. 591,018, published July 17, 1951.
Survey instruments, Oil well. Eastman International Company. 550,199, Oct. 30; Serial No. 600,126, published Aug. 7, 1951.
Thermometers. Accuracy Scientific Instrument Company, Inc. 550,182, Oct. 30; Serial No. 595,237, published Aug. 7, 1951.
X-ray timers. The Liebel-Flarsheim Company. 550,219, Oct. 30; Serial No. 605,100, published July 17, 1951.

CLASS 27

Watches. Bulova Watch Company, Inc. 288,505, renewed Oct. 27, 1951. O. G. Oct. 30.
Watches. Illinois Watch Case Co. 550,323, Oct. 30; Serial No. 599,875.

CLASS 28

Bracelets and wrist bands and straps for wrist watches. Bulova Watch Company, Inc. 288,379, renewed Oct. 27, 1951. O. G. Oct. 30.
Jewelry. Mace's Inc. 511,177, June 21, 1949. New certificate. O. G. Oct. 30.
Jewelry. The National Social Science Honor Society, Pi Gamma Mu, Incorporated. 288,477, renewed Oct. 27, 1951. O. G. Oct. 30.

CLASS 29

Brushes, Tooth. Pycope Incorporated. 285,834, Aug. 11, 1931. Republished Oct. 30.

CLASS 32

Cabinets, Custom styled combination storage and display. B. J. Kerman. 550,195, Oct. 30; Serial No. 599,247, published July 31, 1951.
Cabinets, Merchandising, and cabinets for parts and tools. Kent-Moore Organization, Inc. 550,112, Oct. 30; Serial No. 552,988, published July 24, 1951.
Chair pads and chair seat covers. Henry A. Enrich & Co., Inc. 550,131, Oct. 30; Serial No. 572,357, published July 31, 1951
Couches, divans and mattresses. Call-Quilt Furniture Mfg. Co. 550,221, Oct. 30; Serial No. 605,295, published July 24, 1951.
Cushions, Crib. Boston Leather Specialties Co. 433,282, Oct. 7, 1947. Republished Oct. 30.
Furniture. Berkeley Industries. 550,227, Oct. 30; Serial No. 605,576, published July 24, 1951.
Furniture. Carlton-Surrey, Inc. 550,138, Oct. 30; Serial No. 574,567, published July 31, 1951.
Furniture. Fashion Furniture Manufacturing Co. 550,145, Oct. 30; Serial No. 578,263, published July 31, 1951.
Furniture, Cane and wicker-work. Dryad Limited. 550,188, Oct. 30; Serial No. 596,988, published July 17, 1951.
Furniture, Household. The Franklin Furniture Co. 550,140, Oct. 30; Serial No. 575,919, published July 17, 1951.
Furniture, Living room. Sawyers Furniture Company. 550,166, Oct. 30; Serial No. 588,049, published July 31, 1951.
Furniture, Wood or steel office. The McBee Company. 550,106, Oct. 30; Serial No. 543,622, published July 31, 1951.
Hammocks, Baby, baby hammock stands, etc. Boston Leather Specialties, Inc. 298,522, Nov. 1, 1932. Republished Oct. 30.
Mattresses. U. S. Bedding Company. 550,120, Oct. 30; Serial No. 558,674, published July 24, 1951.
Mattresses, bedsprings, studio couches, etc. William Intner Company, Inc. 550,218, Oct. 30; Serial No. 605,036, published July 24, 1951.
Mirrors. Falconer Plate Glass Corporation. 550,176, Oct. 30; Serial No. 592,889, published July 31, 1951.
Pillows. Burton-Dixie Corporation. 298,526, Nov. 1, 1932. Corrected. O. G. Oct. 30.
Pillows. Globe Feather & Down Co. 550,173, Oct. 30; Serial No. 592,143, published June 6, 1950.
Racks, Display, and storage racks. John H. Best & Sons, Inc. 550,157, Oct. 30; Serial No. 583,514, published July 17, 1951.
Racks, Display, and storage racks. John H. Best & Sons, Inc. 550,158, Oct. 30; Serial No. 583,516, published Aug. 7, 1951.
Rubber foam upholstery padding. Freed Tire and Recapping Company. 550,129, Oct. 30; Serial No. 566,581, published Sept. 19, 1950.
Slipcovers, Ready-made. Sure-Fit Products Company. 550,171, Oct. 30; Serial No. 591,207, published July 31, 1951.
Stands, Plant. Bandwagon Manufacturing, Inc. 550,226, Oct. 30; Serial No. 605,507, published July 24, 1951.
Stools, benches, seats, etc. Angle Steel Stool Company. 550,143, Oct. 30; Serial No. 577,356, published July 24, 1951.
Storage shelving units and vertical wall bins. Acrow (Engineers) Limited. 550,149, Oct. 30; Serial No. 580,274, published Aug. 7, 1951.
Trays, Posting. R. A. Phaneuf. 550,201, Oct. 30; Serial No. 601,116, published July 31, 1951.
Venetian blinds. Hunter Douglas Corporation. 550,141, Oct. 30; Serial No. 576,253, published July 24, 1951.
Wardrobes. John T. Fairhurst Co. Inc. 550,184, Oct. 30; Serial No. 595,597, published July 31, 1951.

CLASS 34

Stoves. Anderson Stove Company, Inc. 550,309, Oct. 30; Serial No. 594,614.
Ventilators. Dohrmann Hotel Supply Co. 550,289, Oct. 30; Serial No. 561,907.

CLASS 37

Forms for bookkeeping systems, ledgers, journals, etc. Horder's, Incorporated. 550,284, Oct. 30; Serial No. 536,528.
Paper, Bond. Olmsted-Kirk Company. 550,303, Oct. 30; Serial No. 589,465.
Paper handkerchiefs. National Cellulose Corporation. 270,416, re-renewed May 6, 1950. O. G. Oct. 30.
Paper, Tympan, and bristol board. Riegel Paper Corporation. 288,073, Oct. 20, 1931. Republished Oct. 30.
Paper, Writing, and envelopes. Z & W. M. Crane. 81,962, May 23, 1911. Republished Oct. 30.
Pencils. Joseph Dixon Crucible Company. 288,973, renewed Nov. 10, 1951. O. G. Oct. 30.
Stationery items. Scripto Manufacturing Company. 286,873, renewed Sept. 8, 1951. O. G. Oct. 30.
Unwoven fiber sheeting in the nature of cloth and paper. Chicopee Sales Corporation. 423,917, Sept. 17, 1946. Republished Oct. 30.

CLASS 38

Book. H. R. Lowe. 550,142, Oct. 30; Serial No. 576,870, published Aug. 7, 1951.
Booklets. American Institute of Banking. 285,767, renewed Aug. 4, 1951. O. G. Oct. 30.
Books and picture books. Zebra Picture Books. 550,152, Oct. 30; Serial No. 581,228, published June 19, 1951.
Comic drawings. United Feature Syndicate, Inc. 550,239, Oct. 30; Serial No. 606,990, published Aug. 7, 1951.
Leaflets or booklets. T. J. Mahon. 550,320, Oct. 30; Serial No. 598,916.
Magazine. Earnshaw Publications, Inc. 550,241, Oct. 30; Serial No. 607,073, published Aug. 7, 1951.
Magazines. Friends of the Land. 550,172, Oct. 30; Serial No. 591,776, published Aug. 7, 1951.
Magazines, Periodic. Suncol Publications, Inc. 550,240, Oct. 30; Serial No. 607,053, published Aug. 7, 1951.
Newspaper, Periodically published. Commercial Trades Institute, Inc. 550,308, Oct. 30; Serial No. 594,520.
Periodical. Social Science Publishing Company. 287,963, renewed Oct. 20, 1951. O. G. Oct. 30.
Periodical. United Feature Syndicate, Inc. 550,180, Oct. 30; Serial No. 594,819, published Aug. 7, 1951.
Printed music. Irving Berlin Music Corporation. 550,329, Oct. 30; Serial No. 603,432.
Publication. The Chi Phi Fraternity. 550,187, Oct. 30; Serial No. 596,263, published July 31, 1951.
Publication. Commerce Clearing House, Inc. 550,251–2, Oct. 30; Serial Nos. 608,394–5, published Aug. 7, 1951.
Publication, Monthly. American Stores Company. 550,237, Oct. 30; Serial No. 606,840, published Aug. 7, 1951.
Publication, Monthly. Meredith Publishing Company. 550,238, Oct. 30; Serial No. 606,979, published Aug. 7, 1951.

Publication, Periodical. Guild of Prescription Opticians of America, Inc. 288,946, renewed Nov. 10, 1951. O. G. Oct. 30.
Publication, Periodical. The Linde Air Products Company. 444,491, Oct. 30; Serial No. 508,482, published Feb. 15, 1949.
Publications, Automotive. For-Dom Inc. 550,193, Oct. 30; Serial No. 598,297, published July 31, 1951.

CLASS 39

Blouses, dresses, pinafores, etc., Women's and children's. Helen Fenton Originals California. 550,117, Oct. 30; Serial No. 557,600, published Aug. 14, 1951.
Boots and shoes. International Shoe Co. 288,722, renewed Nov. 3, 1951. O. G. Oct. 30.
Boots and shoes. International Shoe Co. 289,824, renewed Dec. 8, 1951. O. G. Oct. 30.
Boots and shoes, Women's. A. & W. Flatau & Co., Ltd. 550,200, Oct. 30; Serial No. 600,883, published Aug. 14, 1951.
Chemises, princess slips, etc., Ladies' and children's. I. Schneierson & Sons, Inc. 550,121, Oct. 30; Serial No. 558,942, published Aug. 14, 1951.
Clothing. Societe a Responsabilite Limitee Jean Desses. 550,213, Oct. 30; Serial No. 604,665, published Aug. 7, 1951.
Clothing, Men's and boys' dress, sport, and work. Phillipe-Jones Corporation. 550,216–17, Oct. 30; Serial No. 604,989, published Aug. 7, 1951.
Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 550,150, Oct. 30; Serial No. 580,752, published Aug. 7, 1951.
Corsets, girdles, and one-piece foundations, Women's. The Strouse, Adler Company. 550,116, Oct. 30; Serial No. 557,087, published Aug. 14, 1951.
Cut-out parts of garments. Adler & Adler, Inc. 550,281, Oct. 30; Serial No. 522,517.
Diapers. Johnson & Johnson. 298,562, Nov. 1, 1932. Republished Oct. 30.
Diapers. House of Spring. 550,162, Oct. 30; Serial No. 585,935, published Aug. 7, 1951.
Diapers, Babies', babies' diaper outfits, etc. Chicopee Sales Corporation. 414,053, May 22, 1945. Republished Oct. 30.
Diapers, Textile. Chicopee Sales Corporation. 387,983, June 10, 1941. Republished Oct. 30.
Diapers, Textile. Chicopee Sales Corporation. 398,973, Dec. 8, 1942. Republished Oct. 30.
Diapers, Textile. Fitts Cotton Goods Company. 550,288, Oct. 30; Serial No. 559,378.
Diapers, Textile baby, waterproofed textile diaper holders, disposable diaper pads, etc. Chicopee Sales Corporation. 443,687, Jan. 17, 1950. Republished Oct. 30.
Dresses, house dresses, aprons, etc. Modern Manufacturing Co. Inc. 550,155, Oct. 30; Serial No. 583,212, published Aug. 7, 1951.
Dresses, Ladies'. A. Manilow. 550,224, Oct. 30; Serial No. 605,432, published Aug. 14, 1951.
Dresses, Wash. Kenrose Manufacturing Co., Inc. 550,233, Oct. 30; Serial No. 606,078, published Aug. 14, 1951.
Footwear, Women's and children's. Eastland Shoe, Inc. 550,204, Oct. 30; Serial No. 601,664, published July 31, 1951.
Garters, Men's. S. H. Kress and Company. 550,197, Oct. 30; Serial No. 599,729, published Aug. 7, 1951.
Gloves, Ladies' and men's leather. The Superb Glove Company. 550,334, Oct. 30; Serial No. 600,746.
Hair nets, and knitted outerwear, Ladies' and misses'. S. Rogers. 550,232, Oct. 30; Serial No. 605,917, published Aug. 14, 1951.
Handkerchiefs. Dumont Handkerchiefs, Inc. 550,282, Oct. 30; Serial No. 525,571.
Hats, Ladies', misses', and children's ready-to-wear. J. C. Penney Company. 283,226, renewed May 19, 1951. O. G. Oct. 30.
Hats, Men's. R. T. Irving. 550,333, Oct. 30; Serial No. 608,520.
Hosiery. Magnet Mills, Inc. 550,164, Oct. 30; Serial No. 587,195, published Aug. 14, 1951.
Hosiery, and hosiery with extra sole members attached. John B. Davidson Woolen Mills, Inc. 550,169, Oct. 30; Serial No. 590,493, published July 24, 1951.
Hosiery, Men's, women's, and children's. J. C. Penney Company. 286,853, renewed Sept. 8, 1951. O. G. Oct. 30.
Hosiery, Men's, women's, boys', girls' and infants'. Neumode Hosiery Co. 550,108, Oct. 30; Serial No. 543,975, published Aug. 14, 1951.
Hosiery supporters, Ornamental. Bryan Full Fashioned Mills. 550,328, Oct. 30; Serial No. 600,811.
Hosiery, Women's. Airmaid Hosiery Mills. 550,230, Oct. 30; Serial No. 605,624, published July 31, 1951.
Hosiery, Women's. Alex Hosiery Mills, Inc. 550,220, Oct. 30; Serial No. 605,132, published July 31, 1951.
Hosiery, Women's. Independent Association of Stocking Manufacturers. 550,276, Oct. 30; Serial No. 580,787, published July 24, 1951.
Hosiery, Women's. S. Klein on the Square, Inc. 550,305, Oct. 30; Serial No. 590,316.
Hosiery, Women's. Van Raalte Company, Inc. 550,330, Oct. 30; Serial No. 604,051.
Jackets, Men's, women's and children's auto. Thunder Bay Originals, Inc. 550,314, Oct. 30; Serial No. 597,923.
Overalls and coveralls. Harry Lang Mfg. Co. 550,105, Oct. 30; Serial No. 540,683, published Aug. 7, 1951.
Overcoats, suits, light weight suits, etc., Men's and boys'. Rogers Peet Company. 550,125, Oct. 30; Serial No. 563,278, published July 31, 1951.
Overshoes, Women's. Lake States Footwear Company. 550,133, Oct. 30; Serial No. 573,253, published July 24, 1951.
Pajamas and robes, Women's. Yolande Corporation. 550,306, Oct. 30; Serial No. 590,849.
Pants or crawlers, Children's suspender. The Juvenile Mfg. Co., Inc. 550,222, Oct. 30; Serial No. 605,309, published Aug. 7, 1951.
Rubber soles and heels. The Hagerstown Rubber Company. 550,154, Oct. 30; Serial No. 583,201, published Aug. 7, 1951.
Shank stiffeners for shoes and steel arch supports. Campello Shank Company. 550,139, Oct. 30; Serial No. 575,248, published July 24, 1951.
Shirts, Men's dress and sport. MacIntosh Associates, Inc. 550,107, Oct. 30; Serial No. 543,821, published Aug. 7, 1951.
Shirts, Polo. Knobby Kiddie Knitwear. 550,327, Oct. 30; Serial No. 600,682.
Shoe soles. Avon Sole Company. 550,326, Oct. 30; Serial No. 600,564.
Shoes. Comfort Slipper Corporation 550,231, Oct. 30; Serial No. 605,894, published July 24, 1951.
Shoes. John T. Riddell, Inc. 550,118, Oct. 30; Serial No. 538,169, published Aug. 14, 1951.
Shoes, Children's. General Shoe Corporation. 550,168, Oct. 30; Serial No. 589,845, published July 24, 1951.
Shoes, Ladies' and misses'. Avon Shoe Co. Inc. 550,146, Oct. 30; Serial No. 578,309, published July 31, 1951.
Shoes, Ladies' and misses'. Grossman's Shoes Inc. 550,161, Oct. 30; Serial No. 584,449, published Aug. 7, 1951.
Shoes, Leather. William Hahn & Company. 285,153, renewed July 14, 1951. O. G. Oct. 30.
Shoes, Men's. B. Lee. 550,119, Oct. 30; Serial No. 558,658, published Aug. 14, 1951.
Shoes, Men's, women's and children's. Little Shoe Store. 550,210, Oct. 30; Serial No. 602,902, published July 31, 1951.
Shoes, Women's. Flex Step Shoe Corporation. 550,144, Oct. 30; Serial No. 578,140, published Aug. 7, 1951.
Shoes, Women's. Lumbard-Watson Co. 550,324, Oct. 30; Serial No. 599,882.
Shoes, Women's. D. Mackowsky. 550,160, Oct. 30; Serial No. 584,067, published July 31, 1951.
Shoes, Women's. Shu-Stiles, Incorporated. 550,147, Oct. 30; Serial No. 579,838, published Aug. 7, 1951.
Skirts, blouses, dresses, etc. Hamlin Blouses, Inc. 550,189, Oct. 30; Serial No. 596,994, published Aug. 14, 1951.
Slips and gowns, Maternity. H. Rees. 550,191, Oct. 30; Serial No. 597,230, published Aug. 14, 1951.
Slips and nightgowns, Ladies' and misses'. Rhythm Lingerie, Inc. 550,228, Oct. 30; Serial No. 605,611, published Aug. 14, 1951.
Slips, petticoats and nightgowns, Ladies' and misses'. Rhythm Lingerie, Inc. 550,229, Oct. 30; Serial No. 605,612, published Aug. 14, 1951.
Suits, Men's. Hart Schaffner & Marx. 550,126, Oct. 30; Serial No. 563,470, published July 31, 1951.
Suits, Swimming. Jantzen Knitting Mills. 289,140, renewed Nov. 17, 1951. O. G. Oct. 30.
Sweaters and sweater ensembles, Ladies' and misses'. Premier Knitting Co. Inc. 550,225, Oct. 30; Serial No. 605,437, published July 31, 1951.
Underwear, Children's knit. The Taylor-Bramley Company. 550,109, Oct. 30; Serial No. 546,736, published July 24, 1951.
Underwear, Knitted. Henry J. Tully & Co., Inc. 550,123, Oct. 30; Serial No. 560,427, published Aug. 14, 1951.
Underwear, Ladies'. M. Miller. 550,332, Oct. 30; Serial No. 607,634.
Underwear, Women's and misses'. The Munsingwear Corporation. 285,428, renewed July 28, 1951. O. G. Oct. 30.
Uniforms, Air force, air line uniforms, hotel uniforms, etc. Highway Outfitting Co., Inc. 550,148, Oct. 30; Serial No. 580,135, published Aug. 7, 1951.
Wear, Women's. Green Bird Co. 550,319, Oct. 30; Serial No. 598,651.
Wearing apparel, Women's and misses'. The Tailored Woman, Inc. 550,214, Oct. 30; Serial No. 604,884, published Aug. 14, 1951.

CLASS 40

Cords, blades, and tapes, Stiffening. The Warren Featherbone Co. 83,112, re-renewed Aug. 15, 1951. O. G. Oct. 30.
Tape, Bias fold, blanket binding, braids, etc. The Warren Featherbone Company. 286,886, renewed Sept. 8, 1951. O. G. Oct. 30.

CLASS 42

Coverlets, Ruffle-edged quilted. National Sure-Fit Quilting Co. Inc. 550,165, Oct. 30; Serial No. 587,690, published Aug. 7, 1951.

Curtains, Window, drapes, bedspreads, etc. Stiebel & Company Limited. 550,128, Oct. 30; Serial No. 565,974, published July 24, 1951.
Drapes, curtains and bedspreads. International Flouncing Co., Inc. 550,186, Oct. 30; Serial No. 596,096, published Aug. 7, 1951.
Fabric. Chicopee Manufacturing Corporation of Georgia. 428,892, Apr. 8, 1947. Republished Oct. 30.
Fabrics in the piece, Textile. Burlington Mills Corporation. 550,185, Oct. 30; Serial No. 595,653, published Aug. 7, 1951.
Fabrics, Pile. Collins & Aikman Corporation. 550,206, Oct. 30; Serial No. 602,438, published July 10, 1951.
Fabrics, Textile. Barlow & Jones Limited. 550,179, Oct. 30; Serial No. 593,464, published July 24, 1951.
Goods in the piece, Woolen. Worumbo Manufacturing Company. 550,190, Oct. 30; Serial No. 597,187, published July 24, 1951.
Piece goods. Marcus Brothers Textile Corp. 550,122, Oct. 30; Serial No. 559,165, published July 24, 1951.
Piece goods, Cotton. Arthur Beir & Co. Inc. 550,249, Oct. 30; Serial No. 607,840, published July 24, 1951.
Piece goods, Cotton. Arthur Beir & Co., Inc. 550,254, Oct. 30; Serial No. 608,589, published July 24, 1951.
Piece goods, Cotton, cheesecloth, gauze, etc. Chicopee Sales Corporation. 443,832, Mar. 14, 1950. Republished Oct. 30.
Piece goods, Woolen and worsted. Anglo Fabrics Company, Inc. 550,181, Oct. 30; Serial No. 595,046, published Aug. 7, 1951.
Pot holders. S. Gilman. 550,207, Oct. 30; Serial No. 602,448, published July 24, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 550,124, Oct. 30; Serial No. 561,495, published July 24, 1951.
Rugs and carpeting, Textile. Sears, Roebuck and Co. 550,151, Oct. 30; Serial No. 581,089, published July 24, 1951.
Rugs, Linen. The Klearflax Linen Looms, Inc. 550,208, Oct. 30; Serial No. 602,509, published July 24, 1951.
Sheets and pillow cases. Allied Stores Corporation. 550,137, Oct. 30; Serial No. 574,402, published July 24, 1951.
Sheets, Crib. Chicopee Sales Corporation. 439,209, June 8, 1948. Republished Oct. 30.
Towels, Dish. Charles Schwartz & Co. 550,132, Oct. 30; Serial No. 572,816, published Aug. 7, 1951.
Wash cloths and towels. W. Boyd. 550,234, Oct. 30; Serial No. 606,133, published July 24, 1951.

CLASS 43

Yarns, Rayon and metallic. Heirloom Needlework Guild, Inc. 550,235, Oct. 30; Serial No. 606,294, published Aug. 14, 1951.

CLASS 45

Beverages, Nonalcoholic, noncereal, maltless. Steele-Wedeles Co. 280,992, Mar. 3, 1931. Republished Oct. 30.

CLASS 46

Baking soda (bicarbonate of soda). Church & Dwight Co., Inc. 550,103, Oct. 30; Serial No. 526,776, published Aug. 14, 1951.
Beans. Michelex Elevator & Warehouse Co. 221,340, Nov. 30, 1926. Republished Oct. 30.
Biscuits. Johnson Educator Food Company. 287,198, renewed Sept. 15, 1951. O. G. Oct. 30.
Biscuits. Johnson Educator Food Company. 287,212, renewed Sept. 15, 1951. O. G. Oct. 30.
Butter, cheese, powdered skim milk, etc. Sego Milk Products Company. 288,598, renewed Nov. 3, 1951. O. G. Oct. 30.
Cakes or biscuits. Horowitz Bros. & Margareten, Inc. 131,941, June 1, 1920. Republished Oct. 30.
Candies. Mason, Au & Magenheimer Conf. Mfg. Co. 550,331, Oct. 30; Serial No. 604,588.
Canned blended citrus fruit juices. Southern Fruit Distributors, Inc. 550,113, Oct. 30; Serial No. 553,028, published Aug. 30, 1949.
Canned citrus fruit juices. Southern Fruit Distributors, Inc. 550,110, Oct. 30; Serial No. 551,918, published Aug. 30, 1949.
Canned citrus fruits and canned citrus juices. Southern Fruit Distributors, Inc. 550,115, Oct. 30; Serial No. 554,826, published Sept. 27, 1949.
Canned fruits. Hawaiian Pineapple Company, Limited. 550,315, Oct. 30; Serial No. 598,364.
Canned tomatoes. R. C. Williams & Company, Inc. 550,335, Oct. 30; Serial No. 609,993.
Cereal breakfast food. General Mills, Inc. 290,045, renewed Dec. 22, 1951. O. G. Oct. 30.
Coffee. William S. Scull Company. 84,686, re-renewed Dec. 26, 1951. O. G. Oct. 30.
Coffee. Westfeldt Brothers. 144,972, July 19, 1921. Republished Oct. 30.
Coffee, Green. Westfeldt Brothers. 241,577, May 1, 1928. Republished Oct. 30.
Coffees, Green. Westfeldt Brothers. 192,960, Dec. 16, 1924. Republished Oct. 30.
Confection, Frozen. I. O. Maurstad. 550,301, Oct. 30; Serial No. 587,642.
Corn and cane syrups, cane and maple syrups, corn syrups, etc. American Maize-Products Company. 285,471, renewed July 28, 1951. O. G. Oct. 30.
Corn salad oil. American Maize-Products Company. 285,470, renewed July 28, 1951. O. G. Oct. 30.
Fenugreek seeds. P. J. Gundlach. 550,280, Oct. 30; Serial No. 521,255.
Fish and seafoods. New England Fish Company. 285,558, renewed July 28, 1951. O. G. Oct. 30.
Fish and seafoods. New England Fish Company. 285,958, renewed Aug. 11, 1951. O. G. Oct. 30.
Fish, Frozen, fresh, and salt. New England Fish Company. 82,816, re-renewed July 25, 1951. O. G. Oct. 30.
Flour. Cape County Milling Company. 36,642, re-renewed June 25, 1951. O. G. Oct. 30.
Flour, Wheat. The Colorado Milling & Elevator Co. 289,581, renewed Dec. 1, 1951. O. G. Oct. 30.
Fruit cakes, black walnut fruit cakes, mapled pecans, spiced cinnamon almonds, etc. Grace A. Rush, Inc. 288,918, renewed Nov. 10, 1951. O. G. Oct. 30.
Fruits, Fresh citrus and deciduous, and vegetables. S. C. Rieke. 550,275, Oct. 30; Serial No. 535,260, published Aug. 7, 1951.
Fruits, Fresh citrus, and fresh tomatoes. Southern Fruit Distributors, Inc. 550,156, Oct. 30; Serial No. 583,414, published Aug. 22, 1950.
Fruits, Fresh deciduous, dried fruits, and fresh cantaloupes. C. J. Enoch. 258,336, July 2, 1929. Republished Oct. 30.
Hams. John Morrell & Co. 550,299, Oct. 30; Serial No. 585,136.
Ice cream. H. P. Hood & Sons, Inc. 286,998, Sept. 8, 1931. Republished Oct. 30.
Meat products. M. H. Greenebaum, Inc. 550,287, Oct. 30; Serial No. 558,486.
Milk, Condensed. Utah Condensed Milk Co. 84,441, re-renewed Dec. 12, 1951. O. G. Oct. 30.
Milk, Evaporated. Valecia Evaporated Milk Co. 113,194, Oct. 10, 1916. Republished Oct. 30.
Nuts and canned goods, Unshelled. Red Line Commercial Company, Inc. 546,666, Aug. 14, 1951. Corrected. O. G. Oct. 30.
Olives. La Manna, Asema & Farnan, Inc. 550,325, Oct. 30; Serial No. 600,438.
Packaged goods. A and M Foods, Inc. 550,283, Oct. 30; Serial No. 533,827.
Peanut oil. Balbo Oil Corp. 550,285, Oct. 30; Serial No. 547,507.
Prunes, beans, rice, etc., Dried. David Glass & Sons Wholesale Grocers, Inc. 367,394, May 16, 1939. Republished Oct. 30.
Rice and edible vegetable oils. Bycla Sociedad Anonima Comercial Industrial y Financiera. 444,592, Oct. 30; Serial No. 514,521, published July 31, 1951.
Seafood, Frosted. Teddy's the House of Sea Food, Inc. 550,317–18, Oct. 30; Serial Nos. 598,511–12.
Vegetable lard compound. Philippine Manufacturing Company. 204,840, Oct. 27, 1925. Republished Oct. 30.
Vegetables, Fresh. Arizona Farms. 401,287, May 4, 1943. New certificate. O. G. Oct. 30.
Vegetables, Fresh. Arizona Farms. 401,450, May 18, 1943. New certificate. O. G. Oct. 30.
Wheat-flour. The New Century Milling Company. 56,830, Oct. 23, 1906. Restricted. O. G. Oct. 30.

CLASS 50

Flexible protective covers and carrying slings. E. J. Franta. 550,310, Oct. 30; Serial No. 595,374.
Transparent and translucent cotton mesh reinforced sheet materials. Flex-O-Glass, Inc. 550,304, Oct. 30; Serial No. 589,779.

CLASS 51

Deodorant. P. Spiegel. 550,316, Oct. 30; Serial No. 598,505.
Perfume. Gi. Vi. Emme. Societa Anonima Giuseppe Visconti Di Modrone & Co. 278,860, renewed Dec. 30, 1950. O. G. Oct. 30.
Perfumes, toilet water, face-powders, etc. M. M. Gordon. 146,236, Sept. 6, 1921. Republished Oct. 30.
Rouge. Bourjois, Inc. 550,291, Oct. 30; Serial No. 567,848.

CLASS 52

Cleaners, Dry. J. Handler. 281,535, renewed Mar. 24, 1951. O. G. Oct. 30.
Detergent preparation. G-B Corporation. 550,313, Oct. 30; Serial No. 597,605.
Detergent, Soapless. The Perfex Company. 523,185, Mar. 28, 1950. New certificate. O. G. Oct. 30.
Detergent, Soapless. The Perfex Company. 528,912, Aug. 8, 1950. New certificate. O. G. Oct. 30.
Perfumes, toilet water, face-powders, etc. M. M. Gordon. 146,236, Sept. 6, 1951. Republished Oct. 30.
Soap, Sudsing-like detergent. The Procter & Gamble Company. 550,286, Oct. 30; Serial No. 554,041.
Soap, Toilet and household. James S. Kirk & Company. 124,549, Feb. 25, 1919. Republished Oct. 30.

Solvent compound. Ft. Worth Chemical Co., Inc. 550,311, Oct. 30; Serial No. 596,160.

CLASS 100

Exploring and discovering, gathering, compiling and disseminating information about parts of the earth and its life. Sierra Club. 550,274, Oct. 30; Serial No. 598,909, published Aug. 14, 1951.

Making arrangements for parties. J. M. Weis. 550,336, Oct. 30; Serial No. 535,264.

Services rendered to its members. The Toilet Goods Association, Inc. 550,270, Oct. 30; Serial No. 560,583, published Aug. 14, 1951.

Welfare, recreation, and health services. Community Chests and Councils of America, Incorporated. 550,277–9, Oct. 30; Serial Nos. 600,877–9, published Aug. 7, 1951.

CLASS 101

Collection of financial obligations. Finance System, Incorporated. 550,271, Oct. 30; Serial No. 579,086, published Aug. 14, 1951.

Negotiating the sale of automotive vehicles owned by others. K. C. Singhra. 550,272, Oct. 30; Serial No. 589,119, published Aug. 14, 1951.

CLASS 102

General insurance brokerage. T. L. Wingo. 550,337, Oct. 30; Serial No. 598,230.

CLASS 103

Complete periodical and emergency repairing, cleaning and conditioning service for domestic heating plants. National Coal Association. 550,273, Oct. 30; Serial No. 592,826, published Aug. 14, 1951.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Automatic Temperature Control Co., Inc.: *See*— Macgeorge, William D.

Clark, Dudley B., Palm Springs, Calif. Power rectifier tube. Re. 23,424, Oct. 30.

Du Pont, E. I., de Nemours & Company, assignee *See*— Harmon, Jesse.

Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyfluorinated compounds. Re. 23,425, Oct. 30.

Macgeorge, William D., Collegeville, assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa. Relay. Re. 23,426, Oct. 30.

Ruben, Samuel, New Rochelle, N. Y. Primary cell with permanganate depolariser. Re. 23,427, Oct. 30.

LIST OF PLANT PATENTEES

Hahn, Louis, & Son, assignee: *See*— Hahn, Walter S.

Hahn, Walter S., assignor to Louis Hahn & Son, Pittsburgh, Pa. Ivy plant. 1,046, Oct. 30.

Howard, Arthur P., Sierra Madre, assignor to Howard & Smith, Montebello, Calif. Rose plant. 1,047, Oct. 30.

Howard & Smith, assignee: *See*— Howard, Arthur P.

LIST OF DESIGN PATENTEES

American Seating Company, assignee: *See*— Windhorst, Pearl R.

American Stove Company, assignee: *See*— Vandas, Edward B.

Atkin, David, assignor to The Cannon Rubber Manufacturers Limited, London, England. Hot-water bottle. 164,975, Oct. 30.

Aversa, Joseph, Brooklyn, N. Y. Mechanical pencil. 164,976, Oct. 30.

Bailey, George S., Hat Co., assignee: *See*— Young, Philip E.

Bingham, George H., Jr., Taneytown, Md. Boot. 164,977, Oct. 30.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Portable cooking stove. 164,978, Oct. 30.

Blackwell, William D., Coconut Grove, Fla., assignor to Bronsini, Ltd., New York, N. Y. Bow necktie. 164,979, Oct. 30.

Boggs, James R., Atlanta, Ga. Folding wall table. 164,980, Oct. 30.

Boggs, James R., Atlanta, Ga. Folding wall table. 164,981, Oct. 30.

Bronsini, Ltd., assignee: *See*— Blackwell, William D.

Budlane, Stanley J., and R. Dusek, River Grove, Ill. Electric deep fat fryer. 164,982, Oct. 30.

Cannon Rubber Manufacturers Limited, The, assignee: *See*— Atkin, David.

Carrier Corporation, assignee: *See*— Sundberg, Carl W.

Columbus Plastic Products, Inc., assignee: *See*— Roop, Nathan W.

Coro, Inc., assignee: *See*— Katz, Adolph.

Crook, William M., Houston, Tex. Deodorant vaporizer. 164,983, Oct. 30.

Dictograph Products Company, Inc., assignee: *See*— Metzler, Charles L.

Dohrmann, Bruce, assignor to Dohrmann Hotel Supply Co., San Francisco, Calif. Adjustable table leg. 164,984, Oct. 30.

Dohrmann Hotel Supply Co., assignee: *See*— Dohrmann, Bruce.

Doman, Donald W.: *See*— Haman, Ralph W., Girardy, and Doman.

Dusek, Robert: *See*— Budlane, Stanley J., and Dusek.

Eisenberg, Arthur A., assignor to National Silver Company, New York, N. Y. Combined container and tray for table flatware. 164,985, Oct. 30.

Ekco Products Company, assignee: *See*— Wagner, Franz.

Fontaccione, Luca, assignor to Leavens Manufacturing Co., Inc., Attleboro, Mass. Belt buckle or the like. 164,986, Oct. 30.

Girardy, Alfred B.: *See*— Haman, Ralph W., Girardy, and Doman.

Gluckin, Edwin W., Rockville Centre, assignor to Wm. Gluckin & Co., Inc., New York, N. Y. Brassière halter. 164,987, Oct. 30.

Gluckin, Wm., & Co., Inc., assignee: *See*— Gluckin, Edwin W.

Grabley, Charles, Richmond Hill, N. Y. Sachet cover. 164,988, Oct. 30.

Gussi, Carlo, Mandello Lario (Como), assignor to Moto Gussi S. A., Genoa, Italy. Motor scooter frame. 164,989, Oct. 30.

Haman, Ralph W., Flossmoor, A. B. Girardy, Chicago, and D. W. Doman, Harvey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Spandrel panel. 164,990, Oct. 30.

Hedley, Weldon E., San Pedro, Calif. Headdress. 164,991, Oct. 30.

Heinrich, Charles G., New Orleans, La. Figurine. 164,992, Oct. 30.

Jack, David G., Houston, Tex. Steriliser for telephone mouthpiece. 164,993, Oct. 30.

Jacoby-Bender, Inc., assignee: *See*— Rodrigues, Emil.

Johannesen, Allan N., Jeffersonville, Ind. Tent pin. 164,994, Oct. 30.

Kaiser-Frazer Corporation, assignee: *See*— Weissinger, Herbert F., and Kindred.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 164,995, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 164,996, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 164,997, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 164,998, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 164,999, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,000, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,001, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,002, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,003, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or the like. 165,004, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 165,005, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,006, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,007, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,008, Oct. 30.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or the like. 165,009, Oct. 30.

Kindred, William B.: *See*— Weissinger, Herbert F., and Kindred.

Koplar, Alan E., Chicago, Ill. Clock. 165,010, Oct. 30.
Kuhns, James H., Winfield, Kans. Field chest. 165,011, Oct. 30.
Leavens Manufacturing Co., Inc., assignee: *See*—
Fantacclone, Luca.
Leslie, Leo, assignor to Wellco Shoe Corporation, Waynesville, N. C. Child's slipper. 165,012, Oct. 30.
Leslie, Leo, assignor to Wellco Shoe Corporation, Waynesville, N. C. Child's slipper. 165,013, Oct. 30.
Leslie, Leo, assignor to Wellco Shoe Corporation, Waynesville, N. C. Child's slipper. 165,014, Oct. 30.
Lewis, Jac, assignor to Royal Robes, Inc., New York, N. Y. Vestee robe. 165,015, Oct. 30.
Metzler, Charles L., Palisades Park, N. J., assignor to Dictograph Products Company, Inc., Jamaica, N. Y. Intercommunicating telephone master station cabinet unit. 165,016, Oct. 30.
Metzler, Charles L., Palisades Park, N. J., assignor to Dictograph Products Company, Inc., Jamaica, N. Y. Intercommunicating telephone substation cabinet unit. 165,017, Oct. 30.
Mitchison, Louis E., Baltimore, Md., assignor to National Foam Systems, Inc., West Chester, Pa. Fire-extinguishing foam producing unit. 165,018, Oct. 30.
Moto Gussi S. A., assignee: *See*—
Gussi, Carlo.
National Foam System, Inc., assignee: *See*—
Mitchison, Louis E.
National Silver Company, assignee: *See*—
Eisenberg, Arthur A.
Neunaber, Vernon L., Santa Ana, Calif. Fender lamp housing. 165,019, Oct. 30.
Philippe, Alfred, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 165,020, Oct. 30.
Pullman-Standard Car Manufacturing Company, assignee: *See*—
Haman, Ralph W., Girardy, and Doman.
Pyrene Manufacturing Company, assignee: *See*—
Van Sciver, Edwin P.
Reiser, John H., Los Angeles, assignor to Wallace China Co., Ltd., Huntington Park, Calif. Plate. 165,021, Oct. 30.
Remington Products Corporation, assignee: *See*—
Sacks, Irving J.
Rodbell, Morton M., New York, N. Y. Combined memorandum sheet and calendar holder. 165,022, Oct. 30.
Rodbell, Morton M., New York, N. Y. Combined holder for index pad and memorandum sheets. 165,023, Oct. 30.
Rodbell, Morton M., New York, N. Y. Combined holder for pad and memorandum sheets. 165,024, Oct. 30.
Rodbell, Morton M., New York, N. Y. Combined holder for pad and memorandum sheets. 165,025, Oct. 30.
Rodriguez, Emil, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 165,026, Oct. 30.
Roop, Nathan W., assignor to Columbus Plastic Products, Inc., Columbus, Ohio. Knife-supporting rack or similar article. 165,027, Oct. 30.
Royal Robes, Inc., assignee: *See*—
Lewis, Jac.
Sacks, Irving J., Brooklyn, N. Y., assignor to Remington Products Corporation, Elizabeth, N. J. Combined vaporiser casing and mounting bracket. 165,028, Oct. 30.
Stephen, John, Roslindale, Mass. Skirt. 165,029, Oct. 30.
Sundberg, Carl W., Detroit, Mich., assignor to Carrier Corporation, Syracuse, N. Y. Room cooler of the window type. 165,030, Oct. 30.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Turner, John B., Norwich, N. Y. Fireplace screen. 165,031, Oct. 30.
Union Steel Products Company, assignee: *See*—
Bitney, Dewey H.
United China and Glass Co., assignee: *See*—
Zeisel, Eva S.
Vandas, Edward B., assignor to American Stove Company, St. Louis, Mo. Heater. 165,032, Oct. 30.
Vandas, Edward B., assignor to American Stove Company, St. Louis, Mo. Heater. 165,033, Oct. 30.
Van Sciver, Edwin P., Philadelphia, Pa., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 165,034, Oct. 30.
Verrand, Mamie, New York, N. Y. Combined dress and scarf. 165,035, Oct. 30.
Wagner, Frans, assignor to Ekco Products Company, Chicago, Ill. Merchandise display case. 165,036, Oct. 30.
Wallace China Co., Ltd., assignee: *See*—
Reiser, John H.
Weissinger, Herbert F., Franklin, and W. B. Kindred, Allen Park, assignors to Kaiser-Frazer Corporation, Willow Run, Mich. Hood ornament. 165,037, Oct. 30.
Wellco Shoe Corporation, assignee: *See*—
Leslie, Leo.
Windhorst, Pearl R., Oakland, Calif., assignor to American Seating Company, Grand Rapids, Mich. Combination chalkboard and eraser rail or similar article. 165,038, Oct. 30.
Young, Philip E., Arcadia, Calif., assignor to George S. Bailey Hat Co. Cap. 165,039, Oct. 30.
Young, Stephen A., Delphi, Ind. Faucet handle. 165,040, Oct. 30.
Young, Stephen A., Delphi, Ind. Faucet handle. 165,041, Oct. 30.
Zeisel, Eva S., New York, N. Y., assignor to United China and Glass Co., New Orleans, La. Creamer. 165,042, Oct. 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Claude H., Astoria, Oreg. Machine for successively cleaning both sides of centrifugal separator disks. 2,573,173, Oct. 30.
Abrams Instrument Company, assignee: *See*—
Moore, Milford R., Willis, and Ginther.
Abrams, Talbert, assignee: *See*—
Moore, Milford B., Willis, and Ginther.
Acker, Ralph E., Fort Worth, Tex., assignor to Container Corporation of America, Chicago, Ill. Corner locking construction for paperboard containers. 2,573,379, Oct. 30.
Ackerman, Joseph, Jr., and C. W. Moberly, Bartlesville, Okla., assignors to Phillips Petroleum Company. Stabilising hydrocarbons and reagents therefor. 2,573,294, Oct. 30.
Addressograph-Multigraph Corporation, assignee: *See*—
Janke, Edward J.
Adkins, John S., Dayton, and J. J. Hart, Osborn, Ohio. Nontumbling gyroscopic directional indicator. 2,572,827, Oct. 30.
Adlake Company, The, assignee: *See*—
Ehret, Yale W.
Adler, Cyrus M.: *See*—
Rowe, Walter, and Adler.
Advertising Metal Display Co., assignee: *See*—
Wirth, Sidney R.
Aerojet Engineering Corporation, assignee: *See*—
Malina, Frank J., and Parsons.
Aeronca Aircraft Corporation, assignee: *See*—
Morris, William T.
Aetna Products and Manufacturing Co., assignee: *See*—
Marke, Hans.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Homiller, Richard P., and Eisenhardt.
Swern, Daniel, and Knight.
Woodward, Charles F., and Mayer.
Akemann, Richard W., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Tuning radio receivers. 2,572,965, Oct. 30.
Aktiebolaget Elektrolux, assignee: *See*—
Borén, Karl G.
Ell, Lars J. F.
Alexander, William R.: *See*—
Rankin, John A., Alexander, and Deal.
Allardt, Ernst W., Alliance, Ohio, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Bead trimmer. 2,573,295, Oct. 30.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Smith.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Beckwith, Sterling.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Dahlgren, Fredrik.
Dreyfus, Ludwig, and Eriksson.
Formell, Harry.
Forwald, Haakon.
Ambrose, Edmund J., and E. F. G. McGill, Maidenhead, assignors to Electric & Musical Industries Limited, Middlesex, England. Sealing cement for vacuum seals. 2,573,380, Oct. 30.
American Cyanamid Company, assignee: *See*—
Denton, John J., and Long.
American Cyanamid Company, assignee: *See*—
Howell, Edgar A.
Miller, Alexander A.
Scalera, Mario, and Forster.
West, Herbert J.
American Electro Metal Corporation, assignee: *See*—
Stern, George.
American Laundry Machinery Company, The, assignee: *See*—
Howland, Frederick W.
American Viscose Corporation, assignee: *See*—
Bauer, Ernest K.
Haley, Hugh D.
Helle, Robert H.
Kulp, Maurice P., and Sisson.
Anderson, George F.: *See*—
Kerosen, George E.
Andrus, Orrin E., Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Submersible electric motor. 2,573,126, Oct. 30.
Appleby, Fredrick T., Toronto, Ontario, Canada. Machine for molding concrete blocks. 2,572,830, Oct. 30.
Applied Research Laboratories, assignee: *See*—
Dwyer, Robert J.
Arant, Perry, San Gabriel, assignor to El Sereno Machine Works, Azusa, Calif. Portable mixing machine. 2,573,296, Oct. 30.
Archer, Sydney, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del. Alkoxyalkyl esters of monoiodo-monoalkoxybenzoic acids. 2,572,828, Oct. 30.
Armenia, Giorgio, Rome, Italy. Collapsible case. 2,573,089, Oct. 30.
Armour Research Foundation of Illinois Institute of Technology, assignee: *See*—
Camras, Marvin.
Army, United States of America as represented by the Secretary of the, assignee: *See*—
Gates, Marshall.
Arnold, Edward F., New York, N. Y. Cutting device. 2,573,381, Oct. 30.
Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Offset contact alignment indicator. 2,573,531, Oct. 30.
Arp, Ewald A., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn. Self-aligning bearing. 2,573,532, Oct. 30.
Artificial Insemination Supply Company, assignee: *See*—
Coles, John H., and Davies.
Ashton, Benjamin N., assignor to Electrol Incorporated, Kingston, N. Y. Pressure fluid type follow-up servomotor. 2,572,902, Oct. 30.
Atkinson, Edward B., Steubenville, Ohio, assignor to National Steel Corporation. Pumping system. 2,573,297, Oct. 30.
Atkinson, Robert G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Coal gasification process and apparatus. 2,572,829, Oct. 30.
Atlas Supply Company, assignee: *See*—
Logan, William W.
Aultz, William J., Overton, Nebr. Device for picking up messages from moving trains and the like. 2,573,298, Oct. 30.
Automatic Sewing Equipment Co., Inc., assignee: *See*—
Schwartz, Leo, and Mansson.
Autopoint Company, assignee: *See*—
Bauer, Hans A.
Avery, Dallas B., Pontiac, Mich. Four-wheel control steering mechanism. 2,572,966, Oct. 30.
Axelgate Corporation, assignee: *See*—
Axelrod, Maurice.
Axelrod, Maurice, Cleveland, assignor to Axelgate Corporation, Dayton, Ohio. Applying decalcomania designs to wrinkle finishes. 2,572,967, Oct. 30.
B. B. Chemical Co., assignee: *See*—
Morris, Thomas C., and Johnson.
Babcock & Wilcox Tube Company, The, assignee: *See*—
Allardt, Ernst W.
Bachle, Carl F., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich. Rocker arm construction. 2,572,968, Oct. 30.
Bacon, David L., North Haven, and J. E. McLoughlin, assignors to The Soundecriber Corporation, New Haven, Conn. Shock mount. 2,572,969, Oct. 30.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,572,831, Oct. 30.
Baker, Carlos J.: *See*—
Statham, Louis D., and Baker.
Baker, George H., Morristown, and P. H. Smith, Denville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coaxial line coupler. 2,572,970, Oct. 30.
Baldwin, Francis P.: *See*—
Sparks, William J., Baldwin, and Newberg.
Baldwin-Lima-Hamilton Corporation, assignee: *See*—
Baldwin, Southard N.
Saari, Thomas A.
Baldwin, Southard N., Green Ridge, Pa., assignor to Baldwin-Lima-Hamilton Corporation. Press platen. 2,572,972, Oct. 30.
Ball, George W., Hartford, Conn. Hydraulic variable slip coupling. 2,572,834, Oct. 30.
Balsarini, Martin L., Rockport, Mass. Apparatus for making edible products. 2,572,833, Oct. 30.
Bannister, Clyde E., Houston, Tex. Portable oscillating propeller assembly. 2,573,382, Oct. 30.
Barnes Drill Co., assignee: *See*—
Segorg, Earnest Y.

Barocas, Abraham J., New York, N. Y. Split plug body suitable for housing a plurality of different electrical contact elements. 2,573,533, Oct. 30.

Barr & Stroud, Limited, assignee: *See*—
French, James W.
French, James Weir, Strang, and Macgill.

Barrett, Raymond W., Freeport, N. Y. Picket fence.

Barth, Theodore H.: *See*—
Norden, Carl L., and Barth.

Bast, Vincent J., Manitowoc, Wis. Injector. 2,573,299, Oct. 30.

Bate, Alan, Riverton, assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn. Folding electric steam iron. 2,573,174, Oct. 30.

Bates, James E., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic developer containing thallium salts. 2,572,903, Oct. 30.

Baner, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Apparatus for winding. 2,572,904, Oct. 30.

Bauer, Ernest K., Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del. Warp beam. 2,572,905, Oct. 30.

Bauer, Hans A., Prairie View, assignor to Autopoint Company, Chicago, Ill. Telephone-address index or register. 2,573,534, Oct. 30.

Bauer, Walter C., Chevy Chase, assignor to The Briggs Filtration Company, Bethesda, Md. Liquid clarifier. 2,572,971, Oct. 30.

Beach, Earl F.: *See*—
Wallace, James M., and Beach.

Beasley, French & Company Limited, assignee: *See*—
Beasley, Harold H.

Beasley, Harold H., Bristol, assignor to Beasley, French & Company Limited, Bedminster, Bristol, England. Pivotal frame structure for rotary printing machine elements. 2,573,090, Oct. 30.

Beaumariage, Amos Alphonse, Central Falls, and W. R. Wisner, Pawtucket, R. I., and S. M. Dockerty, assignors to Corning Glass Works, Corning, N. Y. Glass-forming apparatus. 2,573,300, Oct. 30.

Beaver Tool & Engineering Corp., assignee: *See*—
Cherry, Charles A.

Beckette, Edmund S.: *See*—
Travilla, James C., Jr., and Beckette.

Beckwith, Sterling, Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Totally enclosed dynamoelectric machine utilising a single cooling fan. 2,573,383, Oct. 30.

Beech-Nut Packing Company, assignee: *See*—
Bousquet, John.

Bell & Howell Company, assignee: *See*—
Miehle, Robert F., Jr.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Bacon, Walter M.
Baker, George H., and Smith.
Hershey, Ralph E.
Kannenberg, Walter F.
Lacy, Lester Y.
Mason, Warren P., and Wick.
Shann, Oscar A.

Bemis Bro. Bag Co., assignee: *See*—
Perry, Ray P., Dickmann, and Bridge.

Bender, William L., Plainfield, assignor to Eli Lilly and Company, Indianapolis, Ind. Treated stopper for and method of introducing antifoam agent into a liquid medicament or the like. 2,573,637, Oct. 30.

Bendix Aviation Corporation, assignee: *See*—
Laucks, Howard H.
Teague, Walter D., Jr.

Bennett, Arthur W., Erie, Pa. Signaling system for vehicles. 2,572,973, Oct. 30.

Beno, George M.: *See*—
Regenhardt, Hans W., and Beno.

Bent, Arthur J., Pittsburgh, Pa., assignor to Westinghouse Air Brake Company. Self-aligning piston and piston rod. 2,573,384, Oct. 30.

Bergen, Richard S., Westbury, N. Y., and B. E. Sealander, Jersey City, N. J., assignors to Republic Aviation Corporation, Farmingdale, N. Y. Electronic signaling system. 2,573,175, Oct. 30.

Berger, Ernest, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Control element for plural hydraulic motor systems. 2,572,974, Oct. 30.

Berger, France B., Watertown, and F. F. Slack, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio antenna scanning and azimuth marking means. 2,572,975, Oct. 30.

Bergquist, Nils O., Appelviken, near Stockholm, Sweden. Time computing machine. 2,573,385, Oct. 30.

Berkoben, Charles W., Irwin, and R. J. Bush, Greensburg, Pa., assignors to Westinghouse Air Brake Company. Inertia operated control device. 2,573,386, Oct. 30.

Berlingter, Bernard E., Elkins Park, assignor to Quaker City Gear Works, Inc., Philadelphia, Pa. Fishing reel. 2,573,240, Oct. 30.

Berlyn, Martin J., Enfield, Conn. Valve means for internal-combustion engines. 2,573,301, Oct. 30.

Bernard, William B., Portsmouth, N. H. Tube protection circuit. 2,572,832, Oct. 30.

Berringer, Robert E., Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Impregnating composition for insulating materials. 2,572,906, Oct. 30.

Beseler, Charles, Company, assignee: *See*—
Field, Philip M.

Bethlehem Steel Company, assignee: *See*—
Chamberlin, Alan C., and Weigle.
Nieman, Henry W.

Bets, Paul L., Baltimore, Md., and S. Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Coal handling system. 2,573,535, Oct. 30.

Biamonte, Louis, Waterbury, Conn. Radio station selector. 2,572,976, Oct. 30.

Bidaud, Auguste F., Seresin-du-Rhone, and P. Dumont, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Production of organosilicon derivatives. 2,573,302, Oct. 30.

Billing, Olle, Norrkoping, Sweden, assignor to Hartford National Bank and Trust Company, trustee, Hartford, Conn. Voltage stabilizer. 2,573,388, Oct. 30.

Bird, Byron M., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Liquid level control for jig elevator casings. 2,573,389, Oct. 30.

Blackstone Corporation, assignee: *See*—
Oberg, Gunnard A.

Blackstone, Selwyn R., Madison, Wis. Writing pad holder. 2,573,176, Oct. 30.

Blanchard, André, assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Gas detector. 2,573,390, Oct. 30.

Bloom, George M., Rockford, Ill. Wooden roller construction for roller skates. 2,572,835, Oct. 30.

Blumberg, Hamilton G., and E. M. Stevens, San Antonio, Tex. Combined automatic fuel conditioner with steam injection. 2,573,241, Oct. 30.

Bocji Corporation, assignee: *See*—
Jenkins, Clarence E.

Bodine, Albert G., Jr., Van Nuys, Calif. Deep well pump. 2,572,977, Oct. 30.

Bodine, Albert G., Jr., Van Nuys, Calif. Engine detonation control by acoustic methods and apparatus. 2,573,536, Oct. 30.

Bogan, Felix K., Milldale, Conn. Reversible mop. 2,572,978, Oct. 30.

Bogart, Marcel J. P., Mamaroneck, and A. S. Brunjes, Plandome, assignors to The Lummus Company, New York, N. Y. Recovery of phenol from dilute aqueous solutions. 2,573,244, Oct. 30.

Bohlen, Charles I., Doylestown, assignor to Hose Accessories Company, Philadelphia, Pa. Making valves. 2,573,177, Oct. 30.

Bollaert, Edgard M., assignor to United States Gypsum Company, Chicago, Ill. Making color ornamented asbestos-cement sheets. 2,573,659, Oct. 30.

Bonanos, Spyros N., New York, N. Y. Resilient openable top ash tray. 2,573,391, Oct. 30.

Bonnet, Maurice, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief, Maurice Bonnet, Paris, France. Static apparatus for relief photography. 2,573,242, Oct. 30.

Bonnet, Maurice, assignor to La Reliephotgraphie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France. Camera for snapshot relief photography. 2,573,243, Oct. 30.

Borén, Karl G., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Cooling unit supporting structure. 2,572,836, Oct. 30.

Boretti, Napoleon P.: *See*—
Hessler, Arthur F., Boretti, and Sarafian.

Bothe, Werner H., Kenosha, assignor to Worldsbest Industries, Inc., Cudahy, Wis. Curtain stretcher. 2,572,979, Oct. 30.

Bouffard, Diana, Warren, R. I. Mask for protecting dresses. 2,573,537, Oct. 30.

Boughtwood, John E., Brooklyn, N. Y., and A. E. Michon, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Carrier telegraph system. 2,573,392, Oct. 30.

Bousquet, John, Copiague, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Carton creasing and closing machine. 2,573,393, Oct. 30.

Bowsher, Waldo G., Detroit, Mich. Hinge mechanism for overhead doors. 2,573,178, Oct. 30.

Boyd, Charles A., and J. Hirschfelder, assignor to Wisconsin Alumni Research Foundation, Madison, Wis. Assaying solid catalysts. 2,573,245, Oct. 30.

Boyle-Midway Inc., assignee: *See*—
Reinhardt, Herman E.

Bosoky, Paul, Weirton, W. Va. Recording roll message device. 2,573,303, Oct. 30.

Bradford, W. J., Paper Co., assignee: *See*—
Bradford, William J., and Wahl.

Bradford, William J., and O. Wahl, assignors to W. J. Bradford Paper Co., Chicago, Ill. Sheet stacking device. 2,572,980, Oct. 30.

Bradley, William E., Wyndmoor, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Superregenerative receiver. 2,572,907, Oct. 30.

Breitbarth, Randall H., Akron, Iowa. Endgate construction. 2,573,395, Oct. 30.

Brenholdt, Irving R., assignor to Standard Oil Company, Chicago, Ill. Thickness gauge for magnetic material. 2,572,908, Oct. 30.

Bridge, Loren F.: *See*—
Perry, Ray P., Dickmann, and Bridge.

Briggs Mfg. Co., assignee: *See*—
Lyijynen, Fred.

Briggs & Stratton Corporation, assignee: *See*—
Stuckert, Felix J.

Briggs Filtration Company, The, assignee: *See*—
Bauer, Walter C.

Briggs, Southwick W., Washington, D. C. Support for filter element. 2,572,981, Oct. 30.

Brink, Robert M., Pelham, assignor to Deering Milliken Research Trust, New York, N. Y. Monitor for filamentary material. 2,572,837, Oct. 30.

Brinkman, Earl W., Gates, assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y. Indexing mechanism for machine tools. 2,572,909, Oct. 30.

Brodie, James H., Henderson, N. C. Liquid manure spreader. 2,573,179, Oct. 30.

Bronstein, Benjamin B., Shaker Heights, Ohio. Leg lock construction for metal tables. 2,573,304, Oct. 30.

Bronstein, Benjamin B., Shaker Heights, Ohio. Leg lock construction means for metal tables. 2,573,305, Oct. 30.

Brooks, Dexter M., Plymouth, Mass. Gas pressure regulator. 2,573,180, Oct. 30.

Brown, Charles K., Jr., Fairmont, W. Va. Combined vacuum cleaner and tool casing. 2,573,091, Oct. 30.

Brown Fintube Company, assignee: *See*—
Brown, John W., Jr.

Brown, John W., Jr., Lakewood, assignor to Brown Fintube Company, Elyria, Ohio. Heat exchanger conduit having internal fins. 2,573,538, Oct. 30.

Brown, Martin P., Bremerton, Wash. Caged float flush control valve. 2,572,982, Oct. 30.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor seat leveling mechanism. 2,572,910, Oct. 30.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 2,572,911, Oct. 30.

Brown, Wilfred J., Yuba, Wis. Traction attachment for vehicle tires. 2,573,092, Oct. 30.

Brownell, Clifford E., assignor to Lisk-Savory Corporation, Buffalo, N. Y. Galvanising machine. 2,573,660, Oct. 30.

Brunjes, Austin S.: *See*—
Bogart, Marcel J. P., and Brunjes.

Bryant, Corwin W., Downers Grove, assignor to Crane Co., Chicago, Ill. Adjustable cam. 2,573,638, Oct. 30.

Bryce, John T., Park Ridge, Ill. Radiator. 2,573,539, Oct. 30.

Bryce, Robert M., assignor to M. Friend, Los Angeles, Calif. Wind deflector. 2,573,396, Oct. 30.

Bucher, Thomas T. N., Moorestown, N. J., assignor to Radio Corporation of America. Diversity system. 2,572,912, Oct. 30.

Buckeye Steel Castings Company, The, assignee: *See*—
Settles, James C.

Burnside, Don G., Princeton, N. J., assignor to Radio Corporation of America. Mount for electron discharge devices. 2,573,397, Oct. 30.

Burr, John H., Denver, Colo. Overhead garage door. 2,573,181, Oct. 30.

Burson, Charles H., Seattle, Wash. Multiple jet carburetor. 2,573,093, Oct. 30.

Burt-Wells, Sidney G., assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada. Impeller assembly for dishwashing machines. 2,572,983, Oct. 30.

Burwen, Frank W.: *See*—
Hoffman, Saul J., and Burwen.

Bush, Rankin J.: *See*—
Berkoben, Charles W., and Bush.

Bush, Rankin J., Greensburg, Pa., assignor to Westinghouse Air Brake Company. Inertia operated control device. 2,573,387, Oct. 30.

Butenkoff, George S., Westwood, N. J. Torsional vibration dampener. 2,573,398, Oct. 30.

Byers, Eugene R., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for ejecting articles from molds. 2,572,984, Oct. 30.

Calefactor Corporation, The, assignee: *See*—
Denker, Charles T., and Moore.

Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Manufacture of fluorochloromethanes. 2,572,913, Oct. 30.

Camras, Martin, assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill. Automatic stop for magnetic recorders. 2,572,985, Oct. 30.

Cananea Consolidated Copper Company, S. A., The, assignee: *See*—
Wasley, William A., and MacIntosh.

Cannon, Kenneth E., St. Paul, Minn. Fish lure. 2,573,399, Oct. 30.

Carlson, George N., assignee: *See*—
Kerosen, George E.

Carlson, Perry A., assignee: *See*—
Doornbos, Ralph A.

Carp, Arthur, Hillsdale, Mich. Can opener. 2,573,400, Oct. 30.

Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Louver antenna. 2,573,401, Oct. 30.

Carter, Sidney T., Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Picker control for label-applying machines. 2,573,182, Oct. 30.

Case, J. I., Company, assignee: *See*—
Hansen, Hjalmer.
Heth, Sherman C.

Casey, Clifford F.: *See*—
Hailston, Ellis W., Casey, and Melick.

Casey, Robert T., Bristol, Conn., assignor, by mesne assignments, to General Electric Company. Electric circuit breaker. 2,573,306, Oct. 30.

Casey, Robert T., Bristol, Conn., assignor, by mesne assignments, to General Electric Company. Calibration of electric circuit breakers. 2,573,307, Oct. 30.

Castedello, William: *See*—
Schwartz, Morris, and Castedello.

Cavanaugh, Arthur A., Alameda, Calif. Nailing machine. 2,573,540, Oct. 30.

Cavicchioli, Mario, New York, N. Y. Device in dishwashing machine for recovering silverware and the like. 2,573,128, Oct. 30.

Celanese Corporation of America, assignee: *See*—
MacLean, Alexander F., and Stautzenberger.
Miller, Alfred L., and Kress.

Certain-teed Products Corporation, assignee: *See*—
Ernst, Alfred F.
Powers, Michael M., and Loechl.

Chamberlin, Alan C., Bethlehem, and R. M. Weigle, Steelton, Pa., assignors to Bethlehem Steel Company. End hardening of rails. 2,573,308, Oct. 30.

Chance, Britton, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Radar tracking system. 2,572,986, Oct. 30.

Chandler, Gordon E., Winchester, assignor to Raytheon Manufacturing Company, Newton, Mass. Circuit for measuring voltage by oscilloscope. 2,573,541, Oct. 30.

Chapman, James K., Syracuse, N. Y., assignor to General Electric Company. Band width indicator. 2,573,402, Oct. 30.

Chapman, Joseph D., Inglewood, and L. J. Stevenson, assignors to Northrop Aircraft, Inc., Hawthorne, Calif. Artificial arm with elbow lock and selective control of forearm flexion or hook operation. 2,572,914, Oct. 30.

Chapman Valve Manufacturing Co., The, assignee: *See*—
Nickerson, Elmer K.

Chemicke savody na Slovensku, narodny podnik, assignee: *See*—
Wichterle, Otto.

Chemische Fabriek L. Van Der Grinten, assignee: *See*—
Heldens, Peter H.

Cherry, Charles A., Berkley, assignor to Beaver Tool & Engineering Corp., Royal Oak, Mich. Compact universal vise for machine tools. 2,573,542, Oct. 30.

Chester, Frank R., Santa Monica, Calif. Coffee filter. 2,573,246, Oct. 30.

Chicago Pneumatic Tool Company, assignee: *See*—
Berger, Ernst.

Childs, John C., New Rochelle, N. Y. Combined stereoscopic camera and viewer. 2,573,543, Oct. 30.

Chipkevich, Edward A., Hazleton, Pa. Tissue package. 2,573,309, Oct. 30.

Chudyk, Alex B., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Polarised electromagnet with moving coil armature. 2,573,183, Oct. 30.

Church, Albert E., assignor to Union Manufacturing Company, New Britain, Conn. Fluid operated chuck. 2,573,403, Oct. 30.

Cincinnati Milling Machine Co., The, assignee: *See*—
Ernst, Hans, and Dall.

Cinex, Inc., assignee: *See*—
Rowe, Walter, and Adler.

Clark, Gerald I., Santa Clara, assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif. Dump wagon. 2,573,184, Oct. 30.

Clark, Harry F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Thermal control means for induction motors. 2,573,404, Oct. 30.

Clark, Lauriston E., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Cinematographic light control apparatus. 2,573,405, Oct. 30.

Clearing Machine Corporation, assignee: *See*—
Johansen, Einar K.

Clough, Philip J., Reading, R. S. Morse, Waban, E. G. Hellier, Medfield, and R. A. Stauffer, Weston, assignors to National Research Corporation, Cambridge, Mass. Food product. 2,573,406, Oct. 30.

Cohn, Charles C., Elkins Park, assignor to S. L. and C. C. Cohn, doing business as Colonial Alloys Company, Philadelphia, Pa. Method and apparatus for electrolytic treatment of slide fasteners. 2,572,838, Oct. 30.

Cohn, Samuel L.: *See*—
Cohn, Charles C.

Colby, Joseph M., Grosse Pointe, Mich. Air-cooled internal-combustion engine. 2,573,544, Oct. 30.

Coleman, John H., Princeton, N. J., assignor to Radio Corporation of America. Signal amplifying and mixing utilising space charge neutralisation. 2,573,247, Oct. 30.

Coleman, Orville K., West Lafayette, Ind. Apparatus for measuring excess reactive kilovoltampere demand. 2,573,407, Oct. 30.

Coleman, William R.: *See*—
Rievesehl, George, and Coleman.
Rievesehl, George, Jr., and Coleman.

Coler, Myron A., New York, N. Y., assignor to the United States of America as represented by the United States Atomic Energy Commission. Manufacture of porous articles from trifluorochloroethylene polymer. 2,573,639, Oct. 30.

Coles, John H., Regina, Saskatchewan, and W. D. Davies, assignors to Artificial Insemination Supply Company, Ottawa, Ontario, Canada. Artificial insemination device. 2,572,987, Oct. 30.

Colgate-Palmolive-Peet Company, assignee: *See*—
Klippert, Andrew A.
Ross, John, and Gebhardt.

Collardeau, Georges: *See*—
Fluchaire, Maurice L. A., and Collardeau.

Collier, Sherman T., Miami, Fla. Emery board. 2,573,310, Oct. 30.

Collins Radio Company, assignee: *See*—
Wulfsberg, Arthur H.

Collins, Ronald B., H. D. Edwards, and O. E. Pratt, assignors to Ilford Limited, Ilford, England. Production of colored colloid layers. 2,572,988, Oct. 30.

Colonial Alloys Company, assignee: *See*—
Cohn, Charles C.

Compagnie Generale de Telegraphie Sans Fil, assignee: *See*—
Gutton, Henri, and Ortusi.

Conlan, John P., New York, N. Y. Combined fluid-pressure and manually operated valve. 2,573,408, Oct. 30.

Conmar Products Corporation, assignee: *See*—
Natvig, Paul, and Prupis.
Rabinow, David, and Moehler.

Connors, George H., assignor to Highway Trailer Company, Edgerton, Wis. Digging depth indicator for boring machines. 2,573,640, Oct. 30.

Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See*—
Betz, Paul L., and Karrer.

Container Corporation of America, assignee: *See*—
Acker, Ralph E.

Contant, Peter R., and R. H. Sullivan, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Electric clock drive. 2,572,989, Oct. 30.

Continental Aviation and Engineering Corporation, assignee: *See*—
Bachle, Carl F.

Continental Can Company, Inc., assignee: *See*—
Johnson, Scott R., and Mero.

Cooper, Theodore I., Detroit, Mich. Lady's garment construction. 2,573,545, Oct. 30.

Cornell-Dubilier Electric Corporation, assignee: *See*—
Garstang, William W.
Weiss, Felix.

Corning Glass Works, assignee: *See*—
Beaumariage, Amos A., Wisner, and Dockerty.
Hyde, James F.

Corn Products Refining Company, assignee: *See*—
Newkirk, William B., Williams, Rietz, and Dunwody.

Costenbader, Frank D., Washington, D. C., and W. W. Hall, Arlington, Va. Eye testing instrument. 2,583,546, Oct. 30.

Cotsworth, Albert, III, Oak Park, Ill., assignor to Zenith Radio Corporation. Television receiver. 2,573,248, Oct. 30.

Cotton, E. M., Appliances Inc., assignee: *See*—
Miller, Harry H.

Cox, Irvin W., West Allis, and J. B. Welch, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric welding system. 2,573,094, Oct. 30.

Crampton Manufacturing Company, assignee: *See*—
Ender, Joseph J.

Crane Co., assignee: *See*—
Bryant, Corwin W.

Crimmins, William C., Van Buren, Ind., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,573,409, Oct. 30.

Cromeans, John S., Dewey, Okla., assignor to Phillips Petroleum Company. Separation of oxygen-containing compounds. 2,573,185, Oct. 30.

Crowell, Walter S., Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company. Amalgam carrier. 2,573,547, Oct. 30.

Culligan Zeolite Company, assignee: *See*—
Klumb, George H.

Cunningham, George L.: *See*—
Knox, William G., and Cunningham.

Cunningham, Millard B., Tulsa, Okla. Sanitary garbage can. 2,573,548, Oct. 30.

Cupler, John A., II, Cumberland, Md. Receptacle. 2,573,311, Oct. 30.

Curtis Automotive Devices, Inc., assignee: *See*—
Curtis, Russell R.

Curtis, John C.: *See*—
Osgood, Charles F., and Curtis.

Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Rock drill. 2,572,840, Oct. 30.

Curtis, Russell R., assignor to Curtis Automotive Devices, Inc., Dayton, Ohio. Faucet. 2,572,990, Oct. 30.

Curtiss-Wright Corporation, assignee: *See*—
Statham, Louis D.
Statham, Louis D., and Baker.

Cutler-Hammer, Inc., assignee: *See*—
Cox, Irvin W., and Welch.
Welch, Jerome B.

Dahlgren, Fredrik, Djursholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Saturable reactor impedance relay. 2,573,249, Oct. 30.

Dall, Albert H.: *See*—
Ernst, Hans, and Dall.

Daly, Le Grand, Birmingham, Mich. Suspension for safety helmets. 2,573,250, Oct. 30.

Danly, George I., Elmhurst, and V. Georgeff, assignors to Danly Machine Specialties, Inc., Chicago, Ill. Connecting rod joint. 2,573,549, Oct. 30.

Danly Machine Specialties, Inc., assignee: *See*—
Danly, George I., and Georgeff.

Davenport Machine Tool Co., Inc., assignee: *See*—
Brinkman, Earl W.

Davies, Wilfrid D.: *See*—
Coles, John H., and Davies.

Davis, George B., Jr.: *See*—
Roberts, Edgar C., and Davis.

Dayger, Jonas E., Binghamton, O. B. Shafer, Owego, and A. E. Gray, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Combination of card controlled machines. 2,573,312, Oct. 30.

Dayger, Jonas E., and F. S. Huling, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Record controlled bill printing device. 2,573,313, Oct. 30.

Dayton Pump and Manufacturing Company, The, assignee: *See*—
Wolfe, H. Hix.

Deal, Harmon B.: *See*—
Rankin, John A., Alexander, and Deal.

Dearborn, John W., Ansonia, Conn. Work-holding fixture. 2,573,410, Oct. 30.

De Directie van de Staatsmijnen in Limberg, assignee: *See*—
Fontein, Freerk J.
Van der Molen, Arie P.

Deere & Company, assignee: *See*—
Brown, Theophilus.

Deering Milliken Research Trust, assignee: *See*—
Brink, Robert M.

De Grand, Norman A., Green Bay, Wis. Bushing remover. 2,572,991, Oct. 30.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain polyol ethers. 2,572,885, Oct. 30.

De Groote, Melvin, University City, A. F. Wirtel, and O. H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain polyol ethers. 2,572,886, Oct. 30.

De Michel, Frank, Chicago, Ill. Abrasive disk backup pad. 2,573,411, Oct. 30.

De Mier, Fred, Sr., Miami, Okla. Adjustable headrest attachment for back rests. 2,573,186, Oct. 30.

Denker, Charles T., and J. R. Moore, assignors to The Calefactor Corporation, Chicago, Ill. Vertical fire tube steam boiler. 2,573,551, Oct. 30.

Dennis, E. Lucian, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass. Dough blender. 2,573,550, Oct. 30.

Denton, John J., and R. S. Long, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Diazoamino compounds. 2,572,916, Oct. 30.

De Palma, Vincent, East Haven, Conn. Football game apparatus. 2,573,314, Oct. 30.

Dericks, Arthur W., Columbus, Nebr. Agitator for drill hoppers. 2,573,315, Oct. 30.

Dermond, Lawrence C.: *See*—
Jorgensen, Clarence H., and Dermond.

Désilets, Jean P., Grand'Mere, Quebec, Canada. Canoe carrier for motor vehicles. 2,573,187, Oct. 30.

Detsel, Jacob J., assignor to Kayware Corporation, Chicago, Ill. Bottle closure device. 2,573,552, Oct. 30.

Deubel, Justin A., Hales Corners, assignor to Perfex Corporation, Milwaukee, Wis. Thermostatic stoker control system. 2,573,661, Oct. 30.

Devine, Thomas A., Newark, N. J. Sun hood for reflex cameras. 2,572,915, Oct. 30.

Devoe & Raynolds Company, Inc., assignee: *See*—
Madison, Ralph E.

Diamond Power Specialty Corporation, assignee: *See*—
Good, James A.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Commutator. 2,573,316, Oct. 30.

Dickman, Edwin A.: *See*—
Perry, Ray P., Dickmann, and Bridge.

Diefendorf, John E., Jr., West Point, N. Y. Portable filing case. 2,573,412, Oct. 30.

Distillers Company, Limited, The, assignee: *See*—
Galitzenstein, Eugen G., and Woolf.
McCombie, John T., Mann, and Wild.

Dixon Lubricating Saddle Company, assignee: *See*—
Rulon-Miller, Robert.

Dockerty, Stuart M.: *See*—
Beaumariage, Amos A., Wisner, and Dockerty.

Doornbos, Carl L., assignee: *See*—
Doornbos, Ralph H.

Doornbos, Floyd H., assignee: *See*—
Doornbos, Ralph H.

Doornbos, John, assignee: *See*—
Doornbos, Ralph H.

Doornbos, Ralph H., assignor of one-sixth to C. L. Doornbos, one-ninth to P. A. Carlson, Wichita, Kans., one-ninth to S. M. Elder, Bonnerdale, Ark, one-eighteenth to F. H. Doornbos, and one-eighteenth to J. Doornbos, El Dorado, Kans. Automatic focus reducer and copying camera. 2,572,992, Oct. 30.

Doran, Robert F., Floral Park, N. Y., assignor to Sylvania Electric Products, Inc. Overlapping header for radio tubes. 2,573,553, Oct. 30.

Dorr Company, The, assignee: *See*—
Fitch, Elliott B.

Doty, Charles R., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Consecutive blank column detector. 2,573,317, Oct. 30.

Douglas, Ronald W., Wembley, and E. G. James, Pinner, assignors to The General Electric Company, Limited, London, England. Crystal contact device. 2,572,993, Oct. 30.

Dow Corning Corporation, assignee: *See*—
Francis, Joseph D.

Dow, John, Lakewood, Ohio. Changeable sign. 2,573,318, Oct. 30.

Downey, Bert F., assignee: *See*—
Watson, Oliver E.

Dreyfus, Ludwig, and K. E. Eriksson, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Inductive stirring. 2,573,319, Oct. 30.

Drying & Concentrating Company, assignee: *See*—
Hall, Joseph M., and Tucker.

Dubilier, William: *See*—
Rossi, Irving, and Dubilier.

Dudley, Leslie P. C. J., Twickenham, England. Mounting for cameras. 2,572,994, Oct. 30.

Duesel, Bernard F., Yonkers, and J. V. Scudi, New York, assignors to Nepera Chemical Co. Inc., Yonkers, N. Y. Carboxypyridine sulphonic acid compounds. 2,573,662, Oct. 30.

Dulait, Jean, Brussels, Belgium. Two-stage rotary pulverizer. 2,573,129, Oct. 30.

Dumont, Pierre: *See*—
Bidaud, Auguste F., and Dumont.

Dumore Company, The, assignee: *See*—
Servis, Hoyt.

Dunbar, Allen S., Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Antenna. 2,572,995, Oct. 30.

Duncan, Harold W., Akron, Ohio. Name sign and bracket for mail boxes and the like. 2,573,413, Oct. 30.

Dunlap, Thomas W., Pittsburgh, Pa. Abrasive insert for rubber tires. 2,572,996, Oct. 30.

Dunn, Karl L., Corning, N. Y. Hot work garment. 2,573,414, Oct. 30.

Dunwody, Archibald B.: *See*—
Newkirk, William B., Williams, Rietz, and Dunwody.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
MacDonald, Robert N.
Paulshock, Marvin.
Roedel, Milton J.

Dwyer, Robert J., Pasadena, assignor, by mesne assignments, to Applied Research Laboratories, Glendale, Calif. Light stabiliser and regulator system. 2,573,554, Oct. 30.

Dyken, Charles P., Saukville, Wis. Rug rolling device. 2,573,188, Oct. 30.

E. A. Laboratories, Inc., assignee: *See*—
Hutcheson, Ray R.

Eaton Manufacturing Company, assignee: *See*—
Koestering, Walter T.

Ebert, Henry F., Brooklyn, N. Y. Expansible bracelet. 2,573,415, Oct. 30.

Eckelmann, Luis E., Brooklyn, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J. Fire extinguisher. 2,573,320, Oct. 30.

Eddy, Robert C., Denver, Colo., assignor to Radio Corporation of America. Apparatus for simultaneously trangporting and processing electron discharge devices, including aging the same. 2,573,416, Oct. 30.

Edmonds, Lee O.: *See*—
Himel, Chester M., and Edmonds.

Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Pipe cutter. 2,572,997, Oct. 30.

Edwards, Frances R., executrix: *See*—
Edwards, Charles R.

Edwards, Harry D.: *See*—
Collins, Ronald B., Edwards, and Pratt.

Edwards, Harry D., assignor to Ilford Limited, Ilford, England. Making methine dyestuffs. 2,573,555, Oct. 30.

Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Nordesoxycorticosterone esters. 2,573,417, Oct. 30.

Ehrenstein, Maximilian R., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa. Noretiocholenic acids and process. 2,573,418, Oct. 30.

Ehret, Yale W., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Cable operated curtain construction. 2,572,847, Oct. 30.

Eiffert, Otto H., and H. S. Thomas, Jr., assignors to Sargent & Greenleaf, Inc., Rochester, N. Y. Guard for resetting mechanisms of combination locks. 2,573,189, Oct. 30.

Eisenhardt, Nelson H.: *See*—
Homiller, Richard P., and Eisenhardt.

Eisner, Hans E., assignor to Metropolitan Consulting Chemists, Inc., Scarsdale, N. Y. Apparatus for producing pellets. 2,572,998, Oct. 30.

Eitel-McCullough, Inc., assignee: *See*—
Eitel, William W., McCullough, and Sorg.

Eitel, William W., Woodside, J. A. McCullough, Millbrae, and H. E. Sorg, Redwood City, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Ultra-high-frequency electron tube. 2,573,100, Oct. 30.

Elder, Silas M., assignee: *See*—
Doornbos, Ralph A.

Electric & Musical Industries Limited, assignee: *See*—
Ambrose, Edmund J., and McGill.

Electrol Incorporated, assignee: *See*—
Ashton, Benjamin N.

Ell, Lars J. F., assignor to Aktiebolaget Elektrolux, Stockholm, Sweden. Screw attachment for sausage stuffers. 2,572,917, Oct. 30.

Elliott, William E., Clovis, N. Mex. Micrometer with magnetic V jaw. 2,572,999, Oct. 30.

Ellis-Foster Company, assignee: *See*—
Rust, John B., and MacKensie.

Ellis, Max H., Huntington Park, Calif. Intake manifold for internal-combustion engines. 2,573,095, Oct. 30.

El Sereno Machine Works, assignee: *See*—
Arant, Perry.

Emery Industries, Inc., assignee: *See*—
Goebel, Charles G.

Emery, Wilson W., Glen Ellen, Calif. Air pressure relief for enclosures. 2,573,419, Oct. 30.

Ender, Joseph J., Grand Rapids, assignor, by mesne assignments, to Crampton Manufacturing Company, Holland, Mich. Combined hinge, cover support, and check. 2,573,096, Oct. 30.

Endicott Johnson Corporation, assignee: *See*—
Exley, Leo F.

Engel, Kurt, Basel, and C. J. Morel, Arlesheim, assignors to J. R. Geigy A. G., Basel, Switzerland. Substituted carbamic acid esters. 2,573,420, Oct. 30.

English Electric Company Limited, The, assignee: *See*—
Smart, David L.
Sterland, Ernest G.

Ennis, George H. and W. W.; said W. W. Ennis assignor to R. V. Funk, Long Beach, Calif. Tank bleeder. 2,573,172, Oct. 30.

Ennis, William W.: *See*—
Ennis, George H. and W. W.

Epstein, Herman, Newark, N. J. Warp printing machine. 2,573,097, Oct. 30.

Eriksson, Karl E.: *See*—
Dreyfus, Ludwig, and Eriksson.

Ernst, Alfred F., Larchmont, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill. Defibering apparatus. 2,573,321, Oct. 30.

Ernst, Alfred F., Larchmont, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill. Defibering apparatus. 2,573,322, Oct. 30.

Ernst, Hans, and A. H. Dall, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic feeding mechanism. 2,573,098, Oct. 30.

Errick, Edward W.: *See*—
Youngblood, Robert N., and Errick.

Eshelman, Alvin L., Upland, Calif. Antislipping desk pad. 2,573,323, Oct. 30.

Exley, Leo F., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Sole mold selector and conveyer. 2,573,251, Oct. 30.

Fafnir Bearing Company, The, assignee: *See*—
Noe, Frank.

Fain, Mitchell S., Cheshire, Conn. Mobile vacuum stripper for carding machines. 2,573,556, Oct. 30.

Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Preparing cupric ammonium arsenite solutions. 2,573,252, Oct. 30.

Farber, Eduard, assignor to Timber Engineering Company, Washington, D. C. Producing cupric ammonium borate solutions. 2,573,253, Oct. 30.

Fawick, Thomas L., assignee: *See*—
Peik, Paul G.

Federal Security Agency, United States of America as represented by the administrator, assignee: *See*—
Sumerford, W. T., and Jensen.

Feiring, Monroe J., Hamilton, R. I. Cam actuated pivoted jaw wrench. 2,573,421, Oct. 30.

Fender, Clarence L., Fullerton, Calif. Combination bridge and pickup assembly for string instruments. 2,573,254, Oct. 30.

Ferguson, J. L., Company, assignee: *See*—
Ferguson, John L.

Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Automatic carton feeder. 2,573,324, Oct. 30.

Field, Philip M., New York, N. Y., assignor to Charles Beseler Company, Newark, N. J. Copy strip retaining and feeding means for optical projector apparatus. 2,573,557, Oct. 30.

Finch, Willard G., Toronto, Ontario, Canada. Bookrest. 2,573,191, Oct. 30.

Fischer, Albert W., Highland Park, assignor to General Motors Corporation, Detroit, Mich. Relay. 2,573,000, Oct. 30.

Fischman, Martin, Brooklyn, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Pulse generator. 2,573,558, Oct. 30.

Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Wax composition and preparation thereof. 2,573,422, Oct. 30.

Fish, John J., assignor to Sun Chemical Corporation, New York, N. Y. Wax products and preparation thereof. 2,573,423, Oct. 30.

Fisher, Charles R., Fremont, G. W. Heise, Rocky River, and E. A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Gas depolarized cell. 2,572,918, Oct. 30.

Fitch, Elliott B., Westport, assignor to The Dorr Company, Stamford, Conn. Method and apparatus for continuously conducting ion exchange operations. 2,572,948, Oct. 30.

Flamm, Alexander L., Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pressure reducing diaphragm structure. 2,573,424, Oct. 30.

Fletcher, Frank H., Jr., Flushing, assignor to E. K. and M. E. Haferkamp, Oswego, and V. H. Fletcher, Flushing N. Y. Seal for centrifugal machines. 2,573,425, Oct. 30.

Fletcher, Virginia H., assignee: *See*—
Fletcher, Frank H., Jr.

Fluchaire, Maurice L. A., and G. Collardeau, Lyon, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Allyl 3:5-hexadienoate and producing it. 2,573,001, Oct. 30.

Folzenlogen, Robert G.: *See*—
Lange, Willy, and Folzenlogen.

Fontein, Freerk J., assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Cyclone. 2,573,192, Oct. 30.

Forssell, Harry, Herrgarden, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Reproducing a direct current. 2,573,255, Oct. 30.

Forster, Warren S.: *See*—
Scalera, Mario, and Forster.

Forwald, Haakon, Vallhalla, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in rapid reclosing compressed air circuit breakers. 2,573,256, Oct. 30.

Foster, Charles E., Los Angeles, Calif. Appliance for removing and installing overhead electric lamps. 2,573,002, Oct. 30.

Fowlie, Henry D., Royal Oak, Mich. Collet. 2,573,325, Oct. 30.

Fraley, Early P., Doraville, Ga. Cartridge dispenser. 2,573,003, Oct. 30.

Francis, Joseph D., assignor to Dow Corning Corporation, Midland, Mich. Silcarbane polymers and their preparation. 2,573,426, Oct. 30.

Francis, Oliver T., Renville, Minn. Vacuum tube impulse pattern producer. 2,572,849, Oct. 30.

Francis, Oliver T., Renville, Minn. Pulse technique circuit. 2,572,850, Oct. 30.

Frank, John C., Naperville, Ill. Hot-air heating unit. 2,573,004, Oct. 30.

Frederiksen, Svend E., Charlottenlund, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark. Recovering proteolytic enzymes from mammalian pancreas glands with urea. 2,573,099, Oct. 30.

French, George W., Chicago, Ill. Hearing aid support. 2,573,132, Oct. 30.

French, James W., J. M. Strang, and C. D. Macgill, assignors to Barr & Stroud, Limited, Glasgow, Scotland. Vibration damping mounting for optical observation instruments. 2,572,919, Oct. 30.

French, James W., assignor to Barr & Stroud, Limited, Glasgow, Scotland. Aligning and mounting binocular telescopes. 2,573,560, Oct. 30.

Friedman, Alvin H., Kansas City, Mo., assignor to Phillips Petroleum Company. Replacing deactivated hydrocarbon synthesis catalyst with fresh catalyst. 2,573,559, Oct. 30.

Friedmann, Albert, assignor to Karl Lieberknecht, Inc., Reading, Pa. Needle actuating mechanism for straight knitting machines. 2,573,131, Oct. 30.

Friend, Mildred, assignee: *See*—
Bryce, Robert M.

Frolich, John F., Stamford, Conn., assignor to The Indiana Steel Products Company, Chicago, Ill. Can-opening device. 2,573,427, Oct. 30.

Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

Fryer, Edward D., assignee: *See*—
McGraw, John T.

Funk, Robert V., assignee: *See*—
Danis, George H. and W. W.

Furman, Frank J., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Storage unit. 2,573,561, Oct. 30.

Fusco, Mario S., assignor to D., B., and J. Kayman, Chicago, Ill. Venetian blind. 2,573,326, Oct. 30.

G-H Specialty Company, assignee: *See*—
Meyer, Joseph J.

Galitzenstein, Eugen G., Wallington, and C. Woolf, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland. Manufacture of chlorinated derivatives of alpha-chloroethylbensene. 2,573,394, Oct. 30.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Operation control means. 2,572,920, Oct. 30.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Operation control means. 2,572,921, Oct. 30.

Gang, Herman, Livingston, assignor to Monroe Calculating Machine Company, Orange, N. J. Stopping means for calculating machines. 2,572,922, Oct. 30.

Garbell, Maurice A., Inc., assignee: *See*—
Garbell, Maurice A.

Garbell, Maurice A., assignor of one-fourth to Maurice A. Garbell, Inc., and three-fourths to Garbell Research Foundation, San Francisco, Calif. Fluid-dynamic stabilizer and damper. 2,573,562, Oct. 30.

Garbell Research Foundation, assignee: *See*—
Garbell, Maurice A.

Gardiner, Duncan B., assignor to Vickers Incorporated, Detroit, Mich. Flow control and pressure regulating device. 2,573,563, Oct. 30.

Gardner, Daniel, assignor to J. E. Hughes, New York, N. Y., trustee. Production of carbon by electrical discharge. 2,572,851, Oct. 30.

Gardner, Harry R., Rahway, N. J., assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio. Carboy container. 2,573,428, Oct. 30.

Garman, Raymond L.: *See*—
Stafford, Jerome W., and Garman.

Garstang, William W., Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Combined radio and intercommunicating set. 2,573,257, Oct. 30.

Gasoteria Corporation, assignee: *See*—
Schneckenburger, Philip M.

Gates, Marshall, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army. Insect repellents. 2,572,852, Oct. 30.

Gates Rubber Company, assignee: *See*—
Hurry, James A.

Gaver, Kenneth M., and E. P. Lasure, Columbus, Ohio, and D. V. Tiessen, Delmar, N. Y., assignors to Ohio State University Research Foundation, Columbus, Ohio. Uniformly substituted glucopyranose polymers and their preparation. 2,572,923, Oct. 30.

Gaydasch, Alexander: *See*—
Gleim, William K. T., and Gaydasch.

Gebauer, Franz, Lofer, Austria. Apparatus for dehydrating peat having a high water content. 2,573,134, Oct. 30.

Gebhart, Arthur I.: *See*—
Ross, John, and Gebhart.

Geier & Bluhm, Inc., assignee: *See*—
Geier, James.

Geier, James, deceased; B. R. Neeb, executrix, assignor to Geier & Bluhm, Inc., Troy, N. Y. Forming containers. 2,573,429, Oct. 30.

Geigy, J. R., A. G., assignee: *See*—
Engel, Kurt, and Morel.
Hildiger, Franz, and Denss.

General Aniline & Film Corporation, assignee: *See*—
Bates, James E.
Thompson, Thomas R.
Tulagin, Vsevolod, and Schmidt.
Wilkinson, Joseph M., Pedlow, and Kleinschmidt.

General Electric Company, assignee: *See*—
Casey, Robert T.
Chapman, James K.

General Electric Company Limited, The, assignee: *See*—
Douglas, Ronald W., and James.

General Electric Company, assignee: *See*—
Harbison, George C.
Lincks, George F.
Lincks, George F., and Smith.
Pifke, Edgar A.
Pruehs, Leslie L.
Rupert, Jack C.
Turner, William W.
Watters, Robert L.
Young, William R.

General Motors Corporation, assignee: *See*—
Akemann, Richard W.
Clark, Harry F.
Contant, Peter R., and Sullivan.
Crimmins, William C.
Fischer, Albert W.
Graham, Charles D.
Hessler, Arthur F., Boretti, and Saranau.
Jorgensen, Clarence H., and Dermond.
Petkwitz, Carl F.
Sampson, Frederick W.
Smith, William, Jr.
Teeter, Wilford H.
Watt, William W.

General Steel Castings Corporation, assignee: *See*—
Schieler, Albert M.
Travilla, James C., Jr., and Beckette.

Gentile, Vincent, Jr., Brooklyn, N. Y. Flow-measuring device. 2,573,430, Oct. 30.

Georgeff, Vasil: *See*—
Danly, George L., and Georgeff.

Gerlach, Charles L., and R. W. Marty, assignors to Michael Yundt Company, Waukesha, Wis. Bottle label remover. 2,573,169, Oct. 30.

Gerner, Theodore C., Oklahoma City, Okla. Drive shaft bushing assembly. 2,573,138, Oct. 30.

Gerritsen, Jacobus J., London, England. Continuously variable speed-ratio transmission mechanism and in speed governing means. 2,573,258, Oct. 30.

Gerst, Chris, Detroit, assignor to The Transmission & Gear Company, Dearborn, Mich. Multiple clutch mechanism. 2,573,135, Oct. 30.

Gibson, Glenn, Southern Pines, N. C. Fishing tackle container. 2,573,431, Oct. 30.

Gibson Refrigerator Company, assignee: *See*—
Nofsinger, Earl E.

Gillette Safety Razor Company, assignee: *See*—
Muros, Joseph.

Ginther, Robert L.: *See*—
Moore, Milford B., Willis, and Ginther.

Girard, Byron P., and B. A. Raetsch, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Assembling fixture. 2,573,432, Oct. 30.

Gisholt Machine Company, assignee: *See*—
Leifer, Lorenz A.
Sundt, Vigo V. K.

Gleim, William K. T., Orland Park, and A. Gaydasch, Brookfield, assignors to Universal Oil Products Company, Chicago, Ill. Preparation of substituted quinones. 2,573,136, Oct. 30.

Glyptis, Nicholas D., Chicago, Ill. Ionisation gauge and operation. 2,573,005, Oct. 30.

Goebel, Charles G., assignor to Emery Industries, Inc., Cincinnati, Ohio. Polyfunctional compositions. 2,573,433, Oct. 30.

Goebel, Herman L., Chicago, Ill., assignor to International Molded Plastics, Inc. Lamp socket for elongated tubular lamps. 2,573,007, Oct. 30.

Goldsberry, Francis M., Ontario, Calif. Bulk tank truck with conveyor unloader. 2,573,193, Oct. 30.

Goldsmith, Leo J., Denver, Colo. Rapid calculator for traverse tables. 2,573,194, Oct. 30.

Goldstein, Jamesina, New York, N. Y. Foldable lady's hat. 2,573,564, Oct. 30.

Goldwater, Melvin, New York, N. Y. Insulated container for bottles. 2,573,259, Oct. 30.

Gonda, Desiré, Sittingbourne, Kent, assignor to Holoplast Limited, New Hythe, near Maidstone, England. Hollow plastic product and making the same. 2,572,924, Oct. 30.

Good, James A., Grosse Pointe, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Liquid level telegauge. 2,573,006, Oct. 30.

Goodrich, B. F., Company, The, assignee: *See*—
Byers, Eugene R.
Herzegh, Frank.

Gorden, Howard L., Painesville, Ohio. All-purpose auto parts cleaner. 2,573,008, Oct. 30.

Gorman, Charles J., Orlando, Fla. Temporary cover for outlet boxes. 2,573,260, Oct. 30.

Gossard, Roy R., Glendora, Calif. Internally applied expanding friction-grip wrench. 2,573,327, Oct. 30.

Graham, Charles D., assignor to General Motors Corporation, Dayton, Ohio. Mounting for rocket launchers. 2,573,434, Oct. 30.

Granqvist, Carl-Erik, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo (near Stockholm), Sweden. Navigation instrument. 2,573,435, Oct. 30.

Gray, Alvin E.: *See*—
Dayger, Jonas E., Shafer, and Gray.

Gray, Arthur W., Harborside, Maine. Chimney protecting head structure. 2,573,436, Oct. 30.

Gray, Edward J., deceased, New York, N. Y.; I. C. Gray, executrix. Safety razor. 2,572,925, Oct. 30.

Gray, Irene C., executrix: *See*—
Gray, Edward J.

Gray, Richard O., Broadview, Ill., assignor, to Zenith Radio Corporation. Subscription type signal translating apparatus. 2,572,853, Oct. 30.

Green Bay Food Company, assignee: *See*—
Mackin, John J.

Green, Ellis G., assignor to himself and N. C. Green, Port Huron, Mich. Thread lock. 2,573,009, Oct. 30.

Green, Nellie C., assignee: *See*—
Green, Ellis G.

Greer, Walton J., Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Well logging system. 2,573,133, Oct. 30.

Greer, Walton J., Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla. Electric well logging system. 2,573,137, Oct. 30.

Greif Bros. Cooperage Corporation, The, assignee: *See*—
Gardner, Harry R.

Greist Manufacturing Company, The, assignee: *See*—
Johnson, Harry N.

Groninger, Wayne L., Silver Lake, Ind. Farm tractor double clutch and drive. 2,573,010, Oct. 30.

Gruber, Morris M., assignor to Presto Recording Corporation, New York, N. Y. Plural motor turntable drive. 2,573,011, Oct. 30.

Guion, Charles W., Arlington, Va. Automatic stop gauge for winding machines. 2,572,854, Oct. 30.

Gull, Roy A., Buffalo, assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y. Presettable signal seeking tuning system. 2,572,926, Oct. 30.

Gunderson, Russell O., Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation. Prefabricated flue construction. 2,573,195, Oct. 30.

Gutton, Henri, and A. J. Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil. Retardation guide on decimetric waves. 2,573,012, Oct. 30.

Guy, Hubert G., assignor to Koppers Company, Inc., Pittsburgh, Pa. Bactericidal compositions. 2,572,855, Oct. 30.

Haddrell, Walter G., Saltville, Va. Film editing equipment. 2,573,013, Oct. 30.

Haddrell, Walter G., Saltville, Va. Film editing kit. 2,573,014, Oct. 30.

Haecks, Erwin, San Francisco, Calif. Mechanism for moving pans in dough cutters. 2,573,100, Oct. 30.

Haferkamp, Ethel K., assignee: *See*—
Fletcher, Frank H., Jr.

Haferkamp, Mary E., assignee: *See*—
Fletcher, Frank H., Jr.

Hüfliger, Frans, Basel, and R. Denss, Zurich, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic esters of 1-aryl-cyclopentene-(3)-1-carboxylic acids. 2,573,015, Oct. 30.

Hailston, Ellis W., Ilion, N. Y., C. F. Casey, Stratford, and G. R. Melick, Southport, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Wood checkering apparatus. 2,573,565, Oct. 30.

Haley, Hugh D., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Funnel guide bushing. 2,572,927, Oct. 30.

Hall, Ellis C., Jackson, Miss., assignor to C. J. Sedlmayr and C. J. Sedlmayr, Jr., Tampa, Fla. Elevating roundabout. 2,572,859, Oct. 30.

Hall, Joseph M., and H. E. Tucker, Chicago, Ill., assignors to Drying & Concentrating Company. Method and apparatus for spray drying. 2,572,857, Oct. 30.

Hall, Warner W.: *See*—
Costenbader, Frank D., and Hall.

Hallberg, Alfred C., Portland, Oreg. Automatic electric cord tensioner. 2,572,856, Oct. 30.

Halliburton Oil Well Cementing Company, assignee: *See*—
Greer, Walton J.

Hammann, Carl F., Boston, assignor to North American Research Corporation, Cambridge, Mass. Metering valve for filler machines. 2,573,566, Oct. 30.

Hancock, Chester D., Kansas City, Mo., assignor of one-third to W. L. Ruble, Mission, and one-third to R. Theno, Welborn, Kans. Pump and ram hydraulic lifting device. 2,573,567, Oct. 30.

Hand, William L., Chicago, Ill. Control device for heat exchange systems. 2,573,663, Oct. 30.

Hannigan, Thomas F., Springfield, Mass. Phonograph tone-arm actuator. 2,573,328, Oct. 30.

Hansen, Hjalmer, assignor to J. I. Case Company, Racine, Wis. Lathe. 2,573,101, Oct. 30.

Harbison, George C., Erie, Pa., General Electric Company. Calibrating means for control devices. 2,573,437, Oct. 30.

Harby, Harold D., Los Angeles, Calif. Helicopter rotor control. 2,573,016, Oct. 30.

Harman, Denham, Berkeley, and R. E. Thorpe, Castro Valley, assignors to Shell Development Company, San Francisco, Calif. Lubricant composition containing dialkyl trihaloalkane phosphonate as an extreme pressure agent. 2,573,568, Oct. 30.

Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Brakeholder control mechanism. 2,573,196, Oct. 30.

Harris, Phil C., Houston, Tex., assignor to Well Surveys, Incorporated, Tulsa, Okla. Capacitative commutator. 2,573,329, Oct. 30.

Harrison, Shirley W., Jackson Heights, N. Y., assignor to Sylvania Electric Products Inc. Electron optical system. 2,572,858, Oct. 30.

Harshaw Chemical Company, The, assignee: *See*—
Olson, Harold M.

Hart, Henry J., West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Power-driven mechanism for operating type bars and other instrumentalities of typewriters or like machines. 2,573,197, Oct. 30.

Hart, John J.: *See*—
Adkins, John S., and Hart.

Hartford National Bank and Trust Company, trustee, assignee: *See*—
Billing, Olle.
Janssen, Johannes M. L.
Knös, Gunnar B.
Van Weel, Adelbert.

Hathaway, Jarrett L., Manhasset, and W. Hotine, Bayville, N. Y., assignors to Radio Corporation of America. Electroacoustic transducer set. 2,573,438, Oct. 30.

Harvey-Whipple Incorporated, assignee: *See*—
Ruff, Alonso W.

Harser, Eugene R., Elizabethtown, assignor to K. Lieberknecht, Inc., Reading, Pa. Safety stop mechanism for knitting machines. 2,573,261, Oct. 30.

Hawes, Albert H., assignor to Kwikform Limited, Birmingham, England. Extensible trestle. 2,572,928, Oct. 30.

Haworth, Leland J., Belmont, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Cathode-ray tube apparatus for producing sector scan. 2,573,017, Oct. 30.

Haselquist, Evarre E., Longview, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Preparing magnesium bisulphite cooking liquor. 2,572,929, Oct. 30.

Heinrich, Herbert, assignor to Kolmar Laboratories, Inc., Milwaukee, Wis. Molding a cosmetic. 2,573,141, Oct. 30.

Heise, George W.: *See*—
Fischer, Charles R., Heise, and Schumacher.

Heldens, Peter H., assignor to Chemische Fabriek L. Van Der Grinten, Venlo, Netherlands. Exposure apparatus for contact printing. 2,572,930, Oct. 30.

Helle, Robert H., Media, Pa., assignor to American Viscose Corporation, Wilmington, Del. Cellular products comprising acrylonitrile polymers. 2,572,931, Oct. 30.

Hellier, Edward G.: *See*—
Clough, Philip J., Morse, Hellier, and Stauffer.

Hemmi, Hans M.: *See*—
Rheiner, Alfred, and Hemmi.

Hempstead, Howard M., assignee: *See*—
Knox, William G., and Cunningham.

Hempstead, Louise M.: *See*—
Knox, William G., and Cunningham.

Hendricks, Frank R., assignor to The Magiclean Co., Inc., Puyallup, Wash. Venetian blind. 2,573,330, Oct. 30.

Hennessy, David B., Baltimore, Md. Automobile clothes rack. 2,573,102, Oct. 30.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Retractile cord and making retractile cords. 2,573,439, Oct. 30.

Henning, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for plasticising plastic material. 2,573,440, Oct. 30.

Hercules Powder Company, assignee: *See*—
Horsey, Eleanor F., and Price.

Herman, Louis J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Verification apparatus for record controlled embossing machines. 2,573,331, Oct. 30.

Herman, Nathan L., Cleveland, Ohio, assignor to Poe Machine and Engineering Company, Inc., New Wilmington, Pa. Adjustable slitter for metal strip. 2,573,332, Oct. 30.

Herrick, Claud A., Rochester, N. Y. Combined fishhook and live bait holder. 2,573,018, Oct. 30.

Herring, Arthur G., assignor to J. C. Lockhart, Oklahoma City, Okla. Repeating rubber band toy gun. 2,573,142, Oct. 30.

Hersey, Ralph E., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frame and trunk selection. 2,573,569, Oct. 30.

Hersegh, Frank, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire package. 2,573,664, Oct. 30.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Strip metal heat-treating. 2,573,019, Oct. 30.

Hessler, Arthur F., N. P. Boretti, and K. Sarafian, assignors to General Motors Corporation, Detroit, Mich. Arc welder interrupter. 2,573,020, Oct. 30.

Heth, Sherman C., assignor to J. I. Case Company, Racine, Wis. Safety clutch. 2,573,140, Oct. 30.

Highway Trailer Company, assignee: *See*—
Conners, George H.

Higinbotham, William A., Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Compensated plan position indicator. 2,573,021, Oct. 30.

Hillix, Foster F., Lakewood, assignor to Wedge Protectors, Inc., Cleveland, Ohio. Variable speed stroke power mechanism. 2,573,333, Oct. 30.

Himel, Chester M., and L. O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company. Alkylthiosulfenyl dithiocarbamates and preparation thereof. 2,572,845, Oct. 30.

Hines, Claude M., Verona, Pa., assignor to Westinghouse Air Brake Company. Circuit integrity indicating system. 2,573,442, Oct. 30.

Hippe, Herbert E., Waco, Tex., and E. J. Kupjack, United States Navy. Foot support. 2,572,860, Oct. 30.

Hirschfelder, Joseph: *See*—
Boyd, Charles A., and Hirschfelder.

Hits, Lorin K., Los Angeles, Calif. Chain conveyer. 2,573,334, Oct. 30.

Hodgins, Robert H., Vancouver, and C. J. McGillivray, New Westminster, British Columbia, Canada. Airplane crash switch. 2,573,335, Oct. 30.

Hoffman, Leo, assignor to Hydropress, Incorporated, New York, N. Y. Switch mechanism. 2,573,139, Oct. 30.

Hoffman, Saul J., Haverhill, and F. W. Burwen, Marblehead, Mass. Straightening tool for vacuum tube terminal plugs. 2,573,196, Oct. 30.

Holland, Stanley T., Mineral Point, Wis. Mirror support. 2,573,443, Oct. 30.

Holman, James P., Pomona, Calif. Inertia switch. 2,573,199, Oct. 30.

Holmwood, Richard H., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Inking mechanism. 2,573,336, Oct. 30.

Holoplast Limited, assignee: *See*—
Gonda, Desiré.

Homan, Walter, assignor to The National Cash Register Company, Dayton, Ohio. Operation control means for calculating machines. 2,573,022, Oct. 30.

Homiller, Richard P., Three Tuns, and N. H. Eisenhardt, Philadelphia, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Preparation of full flavored fruit concentrates. 2,572,846, Oct. 30.

Horsey, Eleanor F., and D. Price, assignors to Hercules Powder Company, Wilmington, Del. Sizing of pulp with rosin and carboxymethylcellulose. 2,572,932, Oct. 30.

Hose Accessories Company, assignee: *See*—
Bohlen, Charles I.

Hosmer, A. J., Corporation, assignee: *See*—
Lambert, John H.

Hotine, William: *See*—
Hataway, Jarrett L., and Hotine.

Houvener, Russell W., Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Process and apparatus for eliminating higher-boiling-point impurities prior to rectification of a gas mixture. 2,572,933, Oct. 30.

Howald, Arthur M.: *See*—
Rodgers, James L., Jr., and Howald.

Howard, Frank A., Jr., Elizabeth, N. J. Accounting aid. 2,573,570, Oct. 30.

Howell, Edgar A., assignor to American Cyanamid Company, New York, N. Y. Method and apparatus for diluting rosin size. 2,573,024, Oct. 30.

Howland, Frederick W., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Automatic temperature control for driers. 2,573,571 Oct. 30.

Hubbard, Harold L., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Neutralization of the mineral acid salts of aminonitrothiazole. 2,573,641, Oct. 30.

Huetten, Clarence, assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator converter with resistors. 2,573,262, Oct. 30.

Hughes, James E., trustee, assignee: *See*—
Gardner, Daniel.

Huling, Frederick S.: *See*—
Dayger, Jonas E., and Huling.

Hull, Richard, Corinth, Miss. Page end signal for typewriters. 2,573,023, Oct. 30.

Hummel, Frederick E., Chicago, Ill. Egg boiler. 2,572,934, Oct. 30.

Hunt, Theodore M., Tulsa, Okla. Sucker rod fishing tool. 2,573,444, Oct. 30.

Hurry, James A., assignor to Gates Rubber Company, Denver, Colo. Making belts. 2,573,642, Oct. 30.

Hurry, James A., assignor to Gates Rubber Company, Denver, Colo. Mold for manufacturing and curing transmission belts. 2,573,643, Oct. 30.

Hushley, Walter J., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Glass for embedding zinc sulfide phosphors. 2,573,200, Oct. 30.

Hutcheson, Ray R., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Dryer-heater. 2,573,445, Oct. 30.

Hutter, Rudolf G. E., Flushing, N. Y., assignor to Sylvania Electric Products, Inc. Deflection system for cathode-ray tubes. 2,572,861, Oct. 30.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Coated metal mold for blowing glass and preparing the same. 2,573,337, Oct. 30.

Hydropress, Incorporated, assignee: *See*—
Hoffman, Leo.

Idaho Sprocket and Machine Works, assignee: *See*—
Schrock, Daniel A.

Iddings, Charles D.: *See*—
Woolslayer, Homer J., Jenkins, and Iddings.

Idle, James G., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dishwashing apparatus. 2,572,935, Oct. 30.

Ilford Limited, assignee: *See*—
Collins, Ronald B., Edwards, and Pratt.
Edwards, Harry D.
Kendall, John D., and Fry.

Indiana Steel Products Company, The, assignee: *See*—
Frolich, John F.

Ingalls, Clyde E., Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Voltage gate limiter. 2,573,446, Oct. 30.

Ingersoll-Rand Company, assignee: *See*—
Maclay, William R.

International Business Machines Corporation, assignee: *See*—
Dayger, Jonas E., and Huling.
Dayger, Jonas E., Shafer, and Gray.
Dickinson, Arthur H.
Doty, Charles R.
Furman, Frank J.
Herman, Louis J.
Holmwood, Richard H.
Rabenda, Edward J.
Tholstrup, Henry L.
Wales, Nathaniel B., Jr.

International Minerals and Chemical Corporation, assignee: *See*—
Vassel, Bruno.

International Molded Plastics, Inc., assignee: *See*—
Goebel, Herman L.

International Steel Company, assignee: *See*—
Luke, Leo C.

Interwoven Stocking Company, assignee. *See*—
Thurston, Paul L.

Iowa Manufacturing Company, assignee: *See*—
Pollitz, Harold C.

Irving, Walter E., assignee: *See*—
Sumner, Henry W.

Israel, John J., deceased, Merrick, ; R. S. Israel, administratrix, assignor to R. S. Israel, Merrick, Long Island, N. Y. Pneumatic conveying system and method. 2,572,862, Oct. 30.

Israel, Ray S., administratrix, assignee: *See*—
Israel, John J.

J. & J. Tool & Machine Co., assignee: *See*—
Junkunc, Bela B.
Thomson, Ernest F.

Jaap, Willard E., Cincinnati, Ohio. Combined cigarette lighter and ash receiver. 2,572,863, Oct. 20.

Jacob, Carlyle W., Rochester, N. Y. Apparatus for color reproduction. 2,573,143, Oct. 30.

James, Cyril H., Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole edge beveling machine. 2,573,025, Oct. 30.

James, Emrys Gwynne: *See*—
Douglas, Ronald W., and James.

James, Ulysses S., Jr., Livingston, N. J. Separator. 2,573,026, Oct. 30.

Janke, Edward J., assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio. Retainer for oscillating moistening roll shaft. 2,573,572, Oct. 30.

Janssen, Johannes M. L., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for generating phase modulated oscillations. 2,573,447, Oct. 30.

Jaye, Richard C., assignor to Synchromatic Corporation, Milwaukee, Wis. Slotted outlet gas burner head. 2,573,144, Oct. 30.

Jeffrey Manufacturing Company, The, assignee: *See*—
Bird, Byron M.
Smith, William J.

Jenkins, Cecil: *See*—
Woolslayer, Homer J., Jenkins, and Iddings.

Jenkins, Clarence E., Westmoreland, N. H., assignor to Bocji Corporation, Pittsburgh, Pa. Reciprocating blade wood saw. 2,573,573, Oct. 30.

Jenny, Ernst, Basel, Switzerland. Sulfur dyestuffs and making same. 2,573,448, Oct. 30.

Jensen, Jack H.: *See*—
Rust, David J., and Jensen.

Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Valve. 2,573,263, Oct. 30.

Jensen, Jens A.: *See*—
Sumerford, W. T., and Jensen.

Johansen, Einar K., Oak Park, assignor to Clearing Machine Corporation, Chicago, Ill. Crankshaft bearing assembly. 2,573,574, Oct. 30.

Johnson, Albert, Los Angeles, Calif. Sanitary device. 2,573,449, Oct. 30.

Johnson, Eric C.: *See*—
Morris, Thomas C., and Johnson.

Johnson, Harry N., assignor to The Greist Manufacturing Company, New Haven, Conn. Cloth-holding device for buttonhole attachments. 2,573,146, Oct. 30.

Johnson, Scott R., and R. M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can end coating machine. 2,573,338, Oct. 30.

Jones, Clarence F., Denver, Colo. Stepladder. 2,573,665, Oct. 30.

Jones, Insley P., Oldwick, N. J., assignor to Standard Oil Development Company. Improving lubricating oil by adsorption on silica gel. 2,572,866, Oct. 30.

Jordan, Trueman P.: *See*—
Sprouse, Verner E., and Jordan.

Jorgensen, Clarence H., and L. C. Dermond, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich. Engine pressure regulator. 2,572,865, Oct. 30.

Joslyn Manufacturing and Supply Corporation, assignee: *See*—
Yonkers, Edward H.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C.
Osgood, Charles F., and Curtis.

Judd, H. L., Company, assignee: *See*—
Whitehead, Oscar N.

Junkunc, Alexander, Jr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Alexander, Sr., assignee: *See*—
Junkunc, Bela B.

Junkunc, Bela B., assignor to B. B. Junkunc, A. Junkunc, Sr., A. Junkunc, Jr., and J. G. Junkunc, doing business as J. & J. Tool & Machine Co., Chicago, Ill. Intermediate support for Venetian blind tilt rails. 2,573,147, Oct. 30.

Junkunc, Joseph G., assignee: *See*—
Junkunc, Bela B.

Kaiser Aluminum & Chemical Corporation, assignee: *See*—
Gunderson, Russell O.
Porter, John L.

Kalart Company Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.

Kallas, Clarence B.: *See*—
Kallas, Cornelius J., and C. B.

Kallas, Cornelius J. and C. B., Milwaukee, Wis. Clamp for garbage can covers. 2,573,450, Oct. 30.

Kannenberg, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable resonance chamber. 2,573,148, Oct. 30.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Beverage mixing machine. 2,573,339, Oct. 30.

Karel, Leonard, Silver Spring, and B. Witten, Baltimore, Md. Rodenticide comprising fluoroacetphenylhydrazide. 2,572,867, Oct. 30.

Karrer, Sebastian: *See*—
Betz, Paul L., and Karrer.

Kassel, Louis S., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Three-stage catalytic process for the reforming of gasoline. 2,573,149, Oct. 30.

Kaufmann, John J., Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom shuttle. 2,573,666, Oct. 30.

Kayman, Barnett, assignee: *See*—
Fusco, Mario S.

Kayman, David, assignee: *See*—
Fusco, Mario S.

Kayman, Joseph, assignee: *See*—
Fusco, Mario S.

Kayware Corporation, assignee: *See*—
Detzel, Jacob J.

Kellen, John J., Jr.: *See*—
Pollak, Arthur, and Kellen.

Keller, Ernst: *See*—
Keller, Siegfried, and Keller.

Keller, Siegfried, Effretikon, and E. Keller, Zurich, assignors to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland. Cartridge for automatic guns. 2,573,451, Oct. 30.

Kelley, James F., and D. E. Shattuck, San Diego, Calif. Type cleaning brush. 2,573,201, Oct. 30.

Kelley-Koett Manufacturing Company, The, assignee: *See*—
Kuhlman, William C.

Kelts, Frank O., assignor to McFeeley Brick Company, Latrobe, Pa. Furnace brick. 2,573,264, Oct. 30.

Kendall, John D., and D. J. Fry, assignor to Ilford Limited, Ilford, Essex, England. Photographic element and process utilising antibronzing agents. 2,573,027, Oct. 30.

Kennedy, Walter, Cliffside Park, N. J. Broiler. 2,572,870, Oct. 30.

Kent, Eldridge E., Battle Creek, Mich. Bait box. 2,573,202, Oct. 30.

Keroson, George E., assignor of one-half to G. N. Carlson, Chicago, and one-half to G. F. Anderson, Cicero, Ill. Portable extensible lift. 2,573,575, Oct. 30.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. B-chloroethyl aminoindanes. 2,573,644, Oct. 30.

Kerwin, James F., and G. E. Ullyot, assignors to Smith, Kline & French Laboratories, Philadelphia, Pa. N-hydroxyethyl aminoindanes. 2,573,645, Oct. 30.

Ketterer, Stanley J., St. Louis, Mo. Attachment for converting semiautomatic firearms to full automatic. 2,572,872, Oct. 30.

Kinney, Wilbur C., Vista, Calif. Pipe coupling. 2,573,203, Oct. 30.

Kirkpatrick, Willard H., Sugar Land, assignor to Visco Products Company, Houston, Tex. Resolving emulsions. 2,572,868, Oct. 30.

Klapper, Eric: *See*—
Lowenstein, Otto, Loewenfeld, and Klapper.

Kleinhans, Arthur B., Easton, Pa. Operating means for greenhouse ventilating panels. 2,573,340, Oct. 30.

Kleinschmidt, Roger F.: *See*—
Wilkinson, Joseph M., Pedlow, and Kleinschmidt.

Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile transmitting means and using same. 2,572,871, Oct. 30.

Kling Bros. Engineering Works, assignee: *See*—
Kling, Olaf E.

Kling, Olaf E., assignor to Kling Bros. Engineering Works, Chicago, Ill. Unloading structure for garment cylinders. 2,573,103, Oct. 30.

Klingens, Cornelis, Barendrecht, Netherlands, and H. Thomas, Chingford, England, assignors to U. S. Slicing Machine Company, Inc. Guard plate for slicing machines. 2,573,629, Oct. 30.

Klippert, Andrew A., Hollis, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Holder for lipsticks and the like cosmetic material. 2,573,452, Oct. 30.

Klumb, George H., assignor to Culligan Zeolite Company, Northbrook, Ill. Chemical feeder. 2,573,576, Oct. 30.

Kniel, Ludwig, Scarsdale, assignor to The Lummus Company, New York, N. Y. Production of ethylene. 2,573,341, Oct. 30.

Knight, Hosah B.: *See*—
Swern, Daniel, and Knight.

Knight Leather Products Inc., assignee: *See*—
Rens, Emil K.

Knos, Gunnar B., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cross bar switch for use in automatic telephone systems. 2,573,453, Oct. 30.

Knox, Peter S., Jr., and W. L. Strauss, Thomson, Ga. Self-loading vehicle. 2,573,342, Oct. 30.

Knox, William G., Dayton, and G. L. Cunningham, Cincinnati, Ohio, assignors, by mesne assignments, to H. M. Hempstead and L. M. Hempstead, Mobile, Ala. Purification of wood rosin. 2,573,454, Oct. 30.

Koestering, Walter T., Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve testing apparatus. 2,573,646, Oct. 30.

Kold-Hold Manufacturing Co., assignee: *See*—
Lester, Thomas O.

Kolmar Laboratories, Inc., assignee: *See*—
Heinrich, Herbert.

Koonce, Wilbur E., and C. F. Story, assignors to Masonite Corporation, Laurel, Miss. Screening apparatus. 2,572,869, Oct. 30.

Koontz, Lamont B., Deer Lodge, Mont. Electrically heated bed and control device. 2,573,455, Oct. 30.

Koponen, George O., Detroit, Mich. Cake lifter and preserver. 2,573,577, Oct. 30.

Koppers Company, Inc., assignee: *See*—
Guy, Hubert G.

Kramer, Clarence F., Birmingham, Mich. Automobile door handle. 2,573,028, Oct. 30.

Kress, Bernard H.: *See*—
Miller, Alfred L., and Kress.

Kuebler, Enid M., Bensenville, Ill. Rag looper. 2,573,204, Oct. 30.

Kuhlman, William C., Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky. X-ray apparatus. 2,573,029, Oct. 30.

Kuljian, Harry A., Merion, Pa. Thread advancing reel having spray and drain devices. 2,573,578, Oct. 30.

Kulp, Maurice P., Linwood, Pa., and W. A. Sisson, Silverside Heights, assignors to American Viscose Corporation, Wilmington, Del. Making crimped artificial filaments. 2,572,936, Oct. 30.

Kuit, Irving F., Cleveland, Ohio. Scuff pad for connection with piano pedals. 2,573,343, Oct. 30.

Kupjack, Eugene J.: *See*—
Hippe, Herbert E., and Kupjack.

Kutzler, Adolph D., R. A., and R. A., Waukegan, Ill. Hair curling device. 2,573,456, Oct. 30.

Kutzler, Raymond A.: *See*—
Kutzler, Adoph D., R. A., and R. A.

Kutzler, Robert A.: *See*—
Kutzler, Adoph D., R. A., and R. A.

Kwikform Limited, assignee: *See*—
Hawes, Albert H.

La Baw, William L., Kansas City, Mo. Portable nursery chair. 2,573,104, Oct. 30.

Lacomble, Antoine E., assignor to Shell Development Company, San Francisco, Calif. Fuel composition. 2,573,576, Oct. 30.

Lacy, Lester Y., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency divider. 2,573,150, Oct. 30.

Ladd, Elbert C., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Preparation of aromatic sulfones. 2,573,580, Oct. 30.

La Forte, Michael J., Park Ridge, Ill., assignor to Vaughan Mfg. Co. Can opener. 2,573,030, Oct. 30.

La Forte, Michael J., Park Ridge, Ill., assignor to Vaughan Mfg. Co. Can opener. 2,573,031, Oct. 30.

Lake, Clair D., Binghamton, W. Pfaff and D. R. Piatt, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Storage unit. 2,573,581, Oct. 30.

La Marsh, Joseph E.: *See*—
Murphy, Frank M., and La Marsh.

Lamb, Anthony H., Hillside, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Surface temperature thermometer. 2,573,205, Oct. 30.

Lambert, John H., assignor to A. J. Hosmer Corporation, Los Angeles, Calif. Elbow lock mechanism. 2,573,032, Oct. 30.

Lange, Harold T., Webster Groves, assignor to Sporlan Valve Company, St. Louis, Mo. Refrigerant expansion valve. 2,573,151, Oct. 30.

Lange, Willy, Cincinnati, and R. G. Folsenlogen, Golf Manor, assignors to The Procter & Gamble Company, Cincinnati, Ohio. Isolation of sterols. 2,573,265, Oct. 30.

La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, assignee: *See*—
Bonnet, Maurice.

Larsh, Everett P., Dayton, Ohio. Fuel injector. 2,573,344, Oct. 30.

Lazar, William, Los Angeles, Calif. Saw wiper system. 2,572,938, Oct. 30.

Lasure, Esther P.: *See*—
Gaver, Kenneth M., Lasure, and Tieszen.

Laucks, Howard H., Boonton, assignor to Bendix Aviation Corporation, Teterboro, N. J. Motion transmitting device. 2,573,457, Oct. 30.

Lawson, John R., Topeka, Kans. Fishing pole rest. 2,572,937, Oct. 30.

Lee, William F., and D. Stephens, Glendale, said Stephens assignor to Sunray Company, Spartanburg County, S. C. Warehouse bobbin truck. 2,573,206, Oct. 30.

Leedy, Walter L., Youngstown, Ohio. Nailer section. 2,573,345, Oct. 30.

Lehman, David P., Elkhart, Ind. Wood finishing process. 2,573,105, Oct. 30.

Leifer, Lorenz A., assignor to Gisholt Machine Company, Madison, Wis. Forward and reverse drive for lathe spindles. 2,573,152, Oct. 30.

Leon, Isolina L., Massepequa, N. Y. Hair curler clip. 2,573,582, Oct. 30.

Lester, Thomas O., Downers Grove Township, DuPage County, Ill., assignor to Kold-Hold Manufacturing Co., Lansing, Mich. Plate type refrigerant evaporator. 2,573,583, Oct. 30.

Le Sueur, Francis H., London, England. Closure for non-refillable bottles. 2,572,939, Oct. 30.

Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill. Load discharging unit for vehicles. 2,573,584, Oct. 30.

Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Grab unit. 2,573,667, Oct. 30.

Lever Brothers Company, assignee: *See*—
Taylor, Reginald J.

Lewis, Maude L., York, Nebr. Hair curler. 2,573,033, Oct. 30.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Rodgers, James L., Jr., and Howald.

Lichty, Lyall J., Ottawa, assignor to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada. Recovery of nickel from nickel silicate ore. 2,573,153, Oct. 30.

Lieberknecht, Karl, Inc., assignee: *See*—
Friedmann, Albert.
Harser, Eugene R.

Lilly, Eli, and Company, assignee: *See*—
Bender, William L.

Lincks, George F., and S. R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company. Fuseless circuit opening device. 2,573,458, Oct. 30.

Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Protective arrangement for electric power distribution. 2,573,459, Oct. 30.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Antenna. 2,573,460, Oct. 30.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,573,461, Oct. 30.

Lindsey, Earle, Laurel, Miss. Tubular rotary cutter. 2,573,462, Oct. 30.

Linington, Reuben, Belle Mead, N. J. Dual hopper trap. 2,573,463, Oct. 30.

Lipman, Maurice S., Hempstead, assignor to Republic Aviation Corporation, Farmingdale, N. Y. Liquid discharge mechanism. 2,573,207, Oct. 30.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James.

Lisk-Savory Corporation, assignee: *See*—
Brownell, Clifford E.

Littlejohn, Henry E., assignor to J. P. Stevens & Co., Inc., Greenville, S. C. Loop cutter for multiple shuttle looms. 2,573,034, Oct. 30.

Lockhart, Joseph C., assignee: *See*—
Herring, Arthur G.

Lockhart, Roy R., Flintridge, Calif., assignor to Reliable Electric Company, Chicago, Ill. Wire grip indicating means. 2,572,940, Oct. 30.

Loechl, Clarence J.: *See*—
Powers, Michael M., and Loechl.

Loewenfeld, Irene: *See*—
Lowenstein, Otto, Loewenfeld, and Klapper.

Logan, William W., East Orange, assignor, by mesne assignments, to Atlas Supply Company, Newark, N. J. Motor analyzer. 2,573,208, Oct. 30.

Long, Eli M., Geneva, and J. F. McCarthy, Oaks Corners, assignors to Shuron Optical Company, Inc., Geneva, N. Y. Lens chuck. 2,573,668, Oct. 30.

Long, John A., assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic level control. 2,573,035, Oct. 30.

Long, Robert S.: *See*—
Denton, John J., and Long.

Low, Ruth M., Chicago, Ill. Animal garment. 2,573,154, Oct. 30.

Lowenstein, Otto, and I. Loewenfeld, New York, and E. Klapper, Orangeburg, N. Y., said Loewenfeld and said Klapper assignors to said Lowenstein. Method and machine having application in pupillography. 2,573,464, Oct. 30.

Luft, John, assignor to Oshkosh Trunks and Luggage, Oshkosh, Wis. Corner brace for hand luggage. 2,573,036, Oct. 30.

Luke, Leo C., assignor to International Steel Company, Evansville, Ind. Retractable pintle rig for laying sheet metal flooring. 2,572,873, Oct. 30.

Lummus Company, The, assignee: *See*—
Bogart, Marcel J. P., and Brunjes.
Kniel, Ludwig.

Lundberg, Axel E., Sundsvall, Sweden. Producing wooden boards secured against warping. 2,573,465, Oct. 30.

Lutes, Oakley D., Jackson, Mich. Rolling colter provided with driving lugs. 2,573,037, Oct. 30.

Lyljynen, Fred, assignor to Briggs Mfg. Co., Detroit, Mich. Making trim panels. 2,573,466, Oct. 30.

Macaluso, Alfred, Brooklyn, N. Y. Combined adjustable clothes hanger and pants holder. 2,573,467, Oct. 30.

Macbeth, Allan, Fernhurst, assignor to Executors of James Mills, Limited, Woodley, near Stockport, England. Machine or apparatus for straightening metal rods, bars, and the like. 2,573,669, Oct. 30.

MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. N-carboanhydride of 2-amino-4,6,6-trimethylheptanoic acid and polymers therefrom. 2,572,842, Oct. 30.

MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Linear polymeric alpha-amino carboxylic acid polyamides from spiro-N-carboanhydrides. 2,572,843, Oct. 30.

MacDonald, Robert N., New Castle, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from a composition consisting of a plurality of amino acid N-carboanhydrides. 2,572,844, Oct. 30.

Macgill, Charles D.: *See*—
French, James W., Strang, and Macgill.

Machine Tool Works Oerlikon Administration Company, assignee: *See*—
Keller, Siegfried, and Keller.

MacIntosh, John C.: *See*—
Wasley, William A., and MacIntosh.

Macip, Luis G., Barcelona, Spain. Foldable carriage for children. 2,573,106, Oct. 30.

MacKensie, Charles A.: *See*—
Rust, John B., and MacKensie.

Mackin, John J., assignor to Green Bay Food Company, Green Bay, Wis. Apparatus for processing pickled food products. 2,573,468, Oct. 30.

MacKnight, Edgar W., San Leandro, Calif. Adjustable auxiliary seat assembly. 2,572,874, Oct. 30.

Maclay, William R., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Ratchet wrench. 2,573,469, Oct. 30.

MacLean, Alexander F., Robstown, and A. L. Stautsenberger, Corpus Christi, Tex., assignors to Celanese Corporation of America. Producing 2-methyl-1,3-pentanediol. 2,572,941, Oct. 30.

Macpherson, Robert B., assignor to Trico Products Corporation, Buffalo, N. Y. Pulley. 2,573,209, Oct. 30.

Madison, Ralph E., Detroit, Mich., assignor to Devoe & Raynolds Company, Inc., New York, N. Y. Paint composition and preparing same. 2,573,038, Oct. 30.

Madsen, Lydia V., Payette, Idaho. Dress shield. 2,573,346, Oct. 30.

Madsen, Thomas F., assignor to Planada Dehydrator Co., Planada, Calif. Fruit harvester. 2,573,210, Oct. 30.

Magiclean Co., Inc., assignee: *See*—
Hendricks, Frank B.

Mahan, Challies B., and H. B. McDill, Kansas City, Mo. Container with mechanism for agitating contents thereof. 2,573,470, Oct. 30.

Maher, William A., Detroit, Mich. Combination drip molding and mounting bracket for automobile visors. 2,573,039, Oct. 30.

Malina, Frank J., and J. W. Parsons, Pasadena, assignors to Aerojet Engineering Corporation, Azusa, Calif. Reaction motor operable by liquid propellants and operating it. 2,573,471, Oct. 30.

Mallory, P. R., & Co., Inc., assignee: *See*—
Huetten, Clarence.

Malsbary, James S., Glendale, assignor to Wagner Electric Corporation, St. Louis, Mo. Aligning device. 2,572,942, Oct. 30.

Mank, John J.: *See*—
Zallea, James P., and Mank.

Mann, Oliver: *See*—
Scholes, Addison B., and Mann.

Mann, Paul F. E.: *See*—
McComble, John T., Mann, and Wild.

Mansson, Martin S.: *See*—
Schwartz, Leo, and Mansson.

Mansler, Clarence H., Rochester, N. Y. Charcoal stove. 2,573,211, Oct. 30.

Marke, Hans, assignor to Aetna Products and Manufacturing Co., Burbank, Calif. Fishing rod guide. 2,573,647, Oct. 30.

Markvart, Edwin J., and A. P. Solem, assignors to Spengler-Loomis Manufacturing Company, Rockford, Ill. Pencil sharpener. 2,572,875, Oct. 30.

Martin, Jean, Paris, France. Automatic and progressive change-speed gear. 2,573,472, Oct. 30.

Martin, Lawrence A.: *See*—
Riedesel, Richard G., and Martin.

Martois, Arthur E., Torrance, Calif. Pipe tongs. 2,573,212, Oct. 30.

Marty, Robert W.: *See*—
Gerlach, Charles L., and Marty.

Marx, Joseph P., Hartford, Wis. Muffler containing inner and outer end walls and longitudinal chamber. 2,573,474, Oct. 30.

Maschinenfabrik Oerlikon, assignee: *See*—
Storsand, Bjarne.

Maschinenfabrik Schweiter A. G., assignee: *See*—
Schweiter, Walter.

Mascuch, Joseph J., Maplewood, and M. F. Peters, East Orange, N. J. Ignition control. 2,573,473, Oct. 30.

Mason, Warren P., West Orange, and R. F. Wick, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical impedance transformer. 2,573,168, Oct. 30.

Masonite Corporation, assignee: *See*—
Koonce, Wilbur E., and Story.

May, Garnett, Lexington, Ky. Front end assembly for tractors. 2,573,040, Oct. 30.

May, Madeline, Chicago, Ill., assignor to J. Watson, Appleton, Wis. Anticipating control. 2,573,041, Oct. 30.

Mayer, Elmer L.: *See*—
Woodward, Charles F., and Mayer.

Mazzola, Joseph A., Endicott, N. Y. Artificial leg and knee joint therefor. 2,573,347, Oct. 30.

McBean, Douglas M., Rochester, N. Y. Continuous extractor. 2,573,585, Oct. 30.

McCarthy, James F.: *See*—
Long, Eli M., and McCarthy.

McClinton, John, Houston, Tex. Combination key seat remover and vibration distributor for well drilling. 2,572,839, Oct. 30.

McComble, John T., Walton-on-the-Hill, P. F. E. Mann, London, and A. M. Wild, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Recovery of procaine. 2,573,586, Oct. 30.

McCullough, Jack A.: *See*—
Eitel, William W., McCullough, and Sorg.

McD. Hess, Alexander, New York, N. Y. Pleating. 2,573,441, Oct. 30.

McDill, Hardin B.: *See*—
Mahan, Challies B., and McDill.

McFarland, Joseph H., assignor to Sheller Manufacturing Corporation, Portland, Ind. Steering wheel. 2,573,475, Oct. 30.

McFeely Brick Company, assignee: *See*—
Kelts, Frank O.

McGill, Eric F. G.: *See*—
Ambrose, Edmund J., and McGill.

McGillivray, Clifford J.: *See*—
Hodgins, Robert H., and McGillivray.

McGraw, John T., Los Angeles, assignor, by mesne assignments, to E. D. Fryer, Beverly Hills, Calif. Vehicle parking system. 2,573,587, Oct. 30.

McHenry, Elmer F., St. Louis, Mo. Vehicle body closure assembly. 2,573,476, Oct. 30.

McIntosh, Leonard S., assignor of one-half to N. Nevelow, San Antonio, Tex. Oil pressure regulator. 2,573,477, Oct. 30.

McKendrey, Leo, Shullsburg, Wis. Wagon box lift. 2,573,478, Oct. 30.

McLoughlin, James E.: *See*—
Bacon, David L., and McLoughlin.

McNerney, Robert P., Sharpsville, assignor of fifty per cent to C. J. Songer, Farrell, Pa. Deceleration signal. 2,573,479, Oct. 30.

Meadows, Kenneth E., Phoenix, Ariz. Garment hanger support. 2,573,348, Oct. 30.

Melcher, Walter P., and H. H. Voels, Chicago, Ill., assignors to The Rauland Corporation. Sealing apparatus for cathode-ray tubes. 2,573,266, Oct. 30.

Melick, George R.: *See*—
Hailston, Ellis W., Casey, and Melick.

Merla Tool Corporation, assignee: *See*—
Robison, Jay L.

Mero, Ralph M.: *See*—
Johnson, Scott R., and Mero.

Metropolitan Consulting Chemists, Inc., assignee: *See*—
Eisner, Hans E.

Meyer, Geo. J., Manufacturing Company, assignee: *See*—
Carter, Sidney T.

Meyer, Joseph J., assignor to G-H Specialty Company, Milwaukee, Wis. Screen with removable panel. 2,573,156, Oct. 30.

Michon, Alfred E.: *See*—
Boughtwood, John E., and Michon.

Miehle, Robert F., Jr., assignor to Bell & Howell Company, Chicago, Ill. Strip tensioning device. 2,573,267, Oct. 30

Miller, Alexander A., Madison, Wis., assignor to American Cyanamid Company, New York, N. Y. Dichloropyrazines and preparing same. 2,573,268, Oct. 30.
Miller, Alfred L., Summit, N. J., and B. H. Kress, Toledo, Ohio, assignors to Celanese Corporation of America, New York, N. Y. Production of bifunctional carbonyl compounds from 1,4-dichlorobutane. 2,572,943, Oct. 30.
Miller, Bertrand J., Oak Park, and G. V. Morris, Melrose Park, Ill., assignors to Zenith Radio Corporation. Subscriber signaling system. 2,573,349, Oct. 30.
Miller, Edwin A., Fairfield, Conn. Electric snap switch. 2,573,568, Oct. 30.
Miller, Ernest C. C., Laurelton, N. Y. Loader for refuse collecting trucks. 2,573,269, Oct. 30.
Miller, Ernest C. C., Laurelton, N. Y. Loader for refuse collecting trucks. 2,573,270, Oct. 30.
Miller, Gordon B., Glendale, assignor to Gordon B. Miller & Company, Cincinnati, Ohio. Memo pad holder. 2,573,117, Oct. 30.
Miller, Gordon B., & Company, assignee: *See*—
Miller, Gordon B.
Miller, Harry H., Chino, Calif., assignor, by mesne assignments, to E. M. Cotton Appliances Inc. Kitchen waste disposal unit. 2,573,213, Oct. 30.
Miller, Max O., Los Angeles, Calif., assignor to Motoview, Inc., Carson City, Nev. Camera apparatus for race track photography. 2,573,350, Oct. 30.
Mills, James, Limited, Executors of, assignee: *See*—
Macbeth, Allan.
Minneapolis-Honeywell Regulator Company, assignee: *See*—
Chudyk, Alex B.
Minnesota Mining & Manufacturing Company, assignee: *See*—
Riedesel, Richard G., and Martin.
Minovitz, Benjamin, Hyattsville, Md. Handle construction for dispensing valves. 2,573,042, Oct. 30.
Moberly, Charles W.: *See*—
Ackerman, Joseph, Jr., and Moberly.
Modern Equipment Company, assignee: *See*—
Richardson, John N.
Moehler, Otto J.: *See*—
Rabinow, David, and Moehler.
Monroe Auto Equipment Company, assignee: *See*—
White, Glen L., and Read.
Monroe Calculating Machine Company, assignee: *See*—
Gang, Herman.
Monsanto Chemical Company, assignee: *See*—
Hubbard, Harold L.
Stebbly, George W.
Wessner, William E.
Montclair Research Corporation, assignee: *See*—
Read, John B., and MacKenzie.
Montecatini Societa Generale Per L'Industria Mineraria E Chimica Anonima, assignee: *See*—
Sciacca, Franco, and Notarbartolo.
Montgomery, Julius, Calhoun, Ga., assignor of thirty-five per cent to Shepherd Brothers Spread Company. Chenille sewing machine. 2,573,043, Oct. 30.
Moore, John R.: *See*—
Decker, Charles T., and Moore.
Moore, Lee C., Corporation, assignee: *See*—
Woolslayer, Homer J., Jenkins, and Iddings.
Moore, Milford B., Lansing, E. D. Willis, Okemos, and R. L. Ginther, assignors to T. Abrams, doing business as Abrams Instrument Company, Lansing, Mich. Electric timer. 2,573,130, Oct. 30.
Moran, Lucille K., St. Paul, Minn. Sack clothes drier. 2,573,214, Oct. 30.
Morel, Charles J.: *See*—
Engel, Kurt, and Morel.
Morgan, Chub, Palo Alto, Calif. Toy horse. 2,572,878, Oct. 30.
Morgan, George E., San Diego, Calif. Golf driving mat and tee. 2,573,107, Oct. 30.
Morris, George V.: *See*—
Miller, Bertrand J., and Morris.
Morris, Thomas C., Lexington, and E. C. Johnson, Somerville, assignors to B. B. Chemical Co., Boston, Mass. Adhering vinyl resin surfaces. 2,572,877, Oct. 30.
Morris, Thomas C., Lexington, and E. C. Johnson, Somerville, assignors to B. B. Chemical Co., Boston, Mass. Cold bonding plasticized resin sheets to other surfaces. 2,573,379, Oct. 30.
Morris, William T., assignor to Aeronca Aircraft Corporation, Middletown, Ohio. Control mechanism. 2,573,044, Oct. 30.
Morse, Richard S.: *See*—
Clough, Philip J., Morse, Hellier, and Stauffer.
Mosca, Erasmo and J. F., Chicago, Ill. Amusement ride device. 2,573,589, Oct. 30.
Mosca, Joseph F.: *See*—
Mosca, Erasmo and J. F.
Mosebach, Carl H., Honey Brook, Pa. Screen equipment for windows. 2,573,590, Oct. 30.
Moses, Graham L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulation of generator windings. 2,573,670, Oct. 30.
Mosolino, Michael, Perth Amboy, N. J. Window frame and sash. 2,573,155, Oct. 30.
Motis, Gilbert M., Sherman Oaks, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Prosthetic hook with dual spring load. 2,573,351, Oct. 30.
Motorola, Inc., assignee: *See*—
Winkler, Marion R.
Motoview, Inc., assignee: *See*—
Miller, Max O.
Movie-Mite Corporation, assignee: *See*—
Wilson, William G.
Mullin, Carl E., Leeds, Ala. Folding metal awning. 2,572,944, Oct. 30.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade magazine with sight opening. 2,573,671, Oct. 30.
Murphy, Frank M., and J. E. LaMarsh, Chicago, Ill. Tuner for ultrahigh radio frequencies. 2,573,045, Oct. 30.
Murphy, John H., Detroit, Mich. Fishing lure. 2,573,215, Oct. 30.
Muth, Walter E., Detroit, and E. G. Naylor, Allen Park, Mich. Air humidifier. 2,573,158, Oct. 30.
National Cash Register Company, The, assignee: *See*—
Homan, Walter.
National Dairy Research Laboratories, Inc., assignee: *See*—
Weisberg, Samuel M., Paulsen, and Silbermann.
National Research Corporation, assignee: *See*—
Clough, Philip J., Morse, Hellier, and Stauffer.
National Steel Corporation, assignee: *See*—
Atkinson, Edward B.
Natoli, Angelo F., Braintree, Mass. Device for hoisting and lowering barrels, etc. 2,573,216, Oct. 30.
Natzler, Paul, Jackson Heights, N. Y., and R. I. Prupis, Irvington, assignors to Conmar Product Corporation, Newark, N. J. Arrow-shaped slide fastener. 2,573,046, Oct. 30.
Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Fischman, Martin.
Ingalls, Clyde E.
Schmidt, Lothar M.
Stokes, John F.
Naylor, Roland G.: *See*—
Muth, Walter E., and Naylor.
Neeb, Bertha R., executrix: *See*—
Geier, James.
Nelson, Thomas E., Pontiac, Mich. Oil seal. 2,573,591, Oct. 30
Nepera Chemical Co. Inc., assignee: *See*—
Duessel, Bernard F., and Scudi.
Neu, Ferdinand C., Ridgefield, N. J. Dyeing machine. 2,573,047, Oct. 30.
Nevelow, Nathan, assignee: *See*—
McIntosh, Leonard S.
Newberg, Raymond G.: *See*—
Sparks, William J., Baldwin, and Newberg.
Newkirk, William B., La Grange, E. H. Williams, Glen Ellyn, Ill., C. A. Riets, San Francisco, Calif., and A. B. Dunwody, Evanston, Ill., assignors of one-half to Corn Products Refining Company, New York, N. Y. and one-half to Riets Manufacturing Company, San Francisco, Calif. Starch manufacturing process. 2,573,048, Oct. 30.
New Process Gear Corporation, assignee: *See*—
Schultze, Helmuth A.
Nickel, Sage, Atlantic Beach, assignor to Nickel Tackle Company, Jacksonville, Fla. Artificial bait casting or trolling fishing lure. 2,573,592, Oct. 30.
Nickel Tackle Company, assignee: *See*—
Nickel, Sage.
Nickerson, Elmer K., Springfield, assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Springfield, Mass. Valve. 2,573,648, Oct. 30.
Nicodemus, Kenneth L., Dallas, Tex. Combined fish and bait bucket. 2,573,352, Oct. 30.
Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rolling mill. 2,573,353, Oct. 30.
Nier, Alfred O. C., Minneapolis, Minn., assignor to United States of America as represented by the United States Atomic Energy Commission. Gas analyser. 2,573,649, Oct. 30.
Nixon Nitration Works, assignee: *See*—
Orsini, Camillo D.
Noe, Frank, Plainville, assignor to The Fafnir Bearing Company, New Britain, Conn. Journal bearing. 2,573,159, Oct. 30.
Nofsinger, Earl E., assignor to Gibson Refrigerator Company, Greenville, Mich. Soldering machine. 2,573,594, Oct. 30.
Norden, Carl L., Zurich, Switzerland, and T. H. Barth, New York, assignors, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Servomotor. 2,573,593, Oct. 30.
Norden Laboratories Corporation, The, assignee: *See*—
Norden, Carl L., and Barth.
Taylor, James E.
Norman, August O., West Nyack, N. Y. Fire door. 2,573,160, Oct. 30.
North American Research Corporation, assignee: *See*—
Hammann, Carl F.
Northrop Aircraft, Inc., assignee: *See*—
Chapman, Joseph D., and Stevenson.
Motis, Gilbert M.
Notarbartolo, Luigi: *See*—
Sciacca, Franco, and Notarbartolo.
Novo Terapentisk Laboratorium A/S, assignee: *See*—
Frederiksen, Svend E.

Nusshold, Hugo, Buenos Aires, Argentina. Toolholder. 2,573,480, Oct. 30.
Oberg, Gunnard A., Celoron, assignor to Blackstone Corporation, Jamestown, N. Y. Safety mechanism for centrifugal driers. 2,573,595, Oct. 30.
Offner, Franklin F., Chicago, Ill. Temperature responsive system. 2,573,596, Oct. 30.
Ohio State University Research Foundation, assignee: *See*—
Gaver, Kenneth M., Lasure, and Tiessen.
Olson, Harold M., Vermillion, assignor to The Harshaw Chemical Company, Elyria, Ohio. Preparation of metal-organic compounds. 2,573,049, Oct. 30.
Olson, Leonard E., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Conversion of hydrocarbons in the presence of cracking catalyst containing barium peroxide. 2,573,481, Oct. 30.
Onondaga Pottery Company, assignee: *See*—
Parmelee, Clifford H.
Orsini, Camillo D., Highland Park, assignor to Nixon Nitration Works, Nixon, N. J. Extruding plastic rods having a spiral design. 2,573,050, Oct. 30.
Ortusi, Antoine J.: *See*—
Gutton, Henri, and Ortusi.
Osgood, Charles F., Franklin, Pa., and J. C. Curtis, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,572,841, Oct. 30.
Oshkosh Trunks and Luggage, assignee: *See*—
Luft, John.
Paden, Carter N., Chattanooga, Tenn. Bearing lubrication. 2,573,597, Oct. 30.
Paksswer, Serge, Elmhurst, and A. W. Schmidt, Chicago, Ill., assignors to The Rauland Corporation. Making luminescent screens. 2,573,051, Oct. 30.
Paramount Textile Machinery Co., assignee: *See*—
Richter, Henry.
Parke, Davis & Company, assignee: *See*—
Rieveschl, George.
Rieveschl, George, and Coleman.
Parker, Raymond H., Braintree, Mass. Liquid coating device. 2,573,052, Oct. 30.
Parmelee, Clifford H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Ware drying apparatus. 2,573,217, Oct. 30.
Parsons, John W.: *See*—
Malina, Frank J., and Parsons.
Parva Products Company, assignee: *See*—
White, Paul W.
Paulsen, Edward H.: *See*—
Weisberg, Samuel M., Paulsen, and Silbermann.
Paulshock, Marvin, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Composition comprising 2-aliphatic-3-hydroxy-1,4 naphthoquinone and controlling mites and aphids. 2,572,946, Oct. 30.
Pavelka, Joseph, St. Louis, Mo. Apparatus and method for making connector bolts. 2,573,218, Oct. 30.
Pearlman, Philip, Chicago, Ill., assignor to United States Barrel & Drum Corporation, New York, N. Y. System for testing closed receptacles for leaks. 2,573,053, Oct. 30.
Pearson, Charles R., Newington, Va. Dump rake. 2,573,054, Oct. 30.
Pedersen, Bernard G., San Francisco, Calif. Reinforced wrist watch band. 2,573,055, Oct. 30.
Pedlow, George W.: *See*—
Wilkinson, Joseph M., Pedlow, and Kleinschmidt.
Pedrick Tool & Machine Company, assignee: *See*—
Shaw, Ralph M., Jr.
Peik, Paul G., Cuyahoga Falls, assignor to T. L. Fawick, Akron, Ohio. Sound-deadening unit. 2,573,482, Oct. 30.
Perfex Corporation, assignee: *See*—
Deubel, Justin A.
Perl, Adolph R., San Diego, Calif. Roadable aircraft. 2,573,271, Oct. 30.
Perry, Ray P., Ladue, E. A. Dickmann, St. Louis, and L. F. Bridge, Kirkwood, assignors to Bemis Bro. Bag Co., St. Louis, Mo. Spool. 2,573,598, Oct. 30.
Peters, Carl E., University City, Mo., assignor, by mesne assignments, to Vickers, Incorporated. Switch for use with battery chargers. 2,573,483, Oct. 30.
Peters, Melville F.: *See*—
Mascuch, Joseph J., and Peters.
Peterson, Walter H., Point Richmond, assignor to Shell Development Company, San Francisco, Calif. Water-resistant greases. 2,573,650, Oct. 30.
Petkwitz, Carl F., assignor to General Motors Corporation, Dayton, Ohio. Storage drawer for refrigerating apparatus. 2,573,272, Oct. 30.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, Wirtel, and Pettingill.
Pettingill, Owen H.: *See*—
De Groote, Melvin, Wirtel, and Pettingill.
Pevney, Paul, Nassau Shores, N. Y., assignor to Republic Aviation Corporation. Transparent panel construction and mounting. 2,572,947, Oct. 30.
Pfaff, Wesley: *See*—
Lake, Clair D., Pfaff, and Platt.
Phelps, Guy L., Oklahoma City, Okla. Hand loom. 2,573,484, Oct. 30.
Philadelphia Valve Company, assignee: *See*—
Jensen, James A.

Philco Corporation, assignee: *See*—
Bradley, William E.
Phillips Petroleum Company, assignee: *See*—
Ackerman, Joseph, Jr., and Moberly.
Atkinson, Robert G.
Cromeans, John S.
Friedman, Alvin H.
Himel, Chester M., and Edmonds.
Photoswitch, Incorporated, assignee: *See*—
Long, John A.
Piatt, Donald R.: *See*—
Lake, Clair D., Pfaff, and Piatt.
Pifke, Edgar A., Philadelphia, Pa., assignor to General Electric Company. Multiple releasable interlocking mechanism for circuit breakers. 2,573,485, Oct. 30.
Pineapple Research Institute of Hawaii, assignee: *See*—
Skromme, Arnold B.
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Rail truck suspension. 2,573,1[illegible] Oct. 30.
Planada Dehydrater Co., assignee: *See*—
Madsen, Thomas F.
Poch, Waldemar J., Morrestown, N. J., assignor to Radio Corporation of America. Variable frequency multivibrator. 2,573,354, Oct. 30.
Poe Machine and Engineering Company, Inc., assignee: *See*—
Herman, Nathan L.
Polinske, August E., Wausau, Wis. Optical lens alignment. 2,573,056, Oct. 30.
Pollak, Arthur, New York, and J. J. Kellen, Jr., Forest Hills, assignors to West Virginia Pulp and Paper Company, New York, N. Y. Redispersing and compounding rubber. 2,572,884, Oct. 30.
Pollard, William D., St. Louis, Mo. Ironing board with clothes rack. 2,572,883, Oct. 30.
Pollitz, Harold C., Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company. Sectional conveyor. 2,573,486, Oct. 30.
Poon, Fred G., Los Angeles, Calif. Walking shoe with vamp wrinkles minimized. 2,572,948, Oct. 30.
Porter, John L., Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation. Preparing white finely divided amorphous silica. 2,573,057, Oct. 30.
Porth, Irving H., Paterson, N. J., assignor to United States Rubber Company, New York, N. Y. Loom pick. 2,573,273, Oct. 30.
Potvin, Claud L., Minneapolis, Minn. Corn and cob trimmer. 2,573,487, Oct. 30.
Powers, Michael M., and C. J. Loechl, Chicago, Ill., assignors to Certain-teed Products Corporation, Ardmore, Pa. Production of gypsum wallboard. 2,573,355, Oct. 30.
Pratt, Oliver E.: *See*—
Collins, Ronald B., Edwards, and Pratt.
Precision Scientific Co., assignee: *See*—
Van Guilder, Walter.
Presto Recording Corporation, assignee: *See*—
Gruber, Morris M.
Price, Donna: *See*—
Horsey, Eleanor F., and Price.
Price, Horace J., Silver Spring, Md. Reducing fire hazard in small boats. 2,573,599, Oct. 30.
Procter & Gamble Company, The, assignee: *See*—
Lange, Willy, and Folsenlogen.
Pruehs, Leslie L., Erie, Pa., assignor to General Electric Company. Strain relief bushing. 2,573,600, Oct. 30.
Prupis, Robert I.: *See*—
Natzler, Paul, and Prupis.
Pursell, Harold A., Bridgeport, Conn. Combination reel and control handle for model airplanes. 2,573,219, Oct. 30.
Pyrene Manufacturing Company, assignee: *See*—
Eckelmann, Louis E.
Quaker City Gear Works, Inc., assignee: *See*—
Berlinger, Bernard E.
Quebec Metallurgical Industries Limited, assignee: *See*—
Lichty, Lyall J.
Quesnoit, Maurice, Croix, Nord, France. Wheeled barrow. 2,572,945, Oct. 30.
Rabenda, Edward J., Poughkeepsie, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine for comparing totals on two accumulators. 2,573,356, Oct. 30.
Rabinow, David, Maplewood, and O. J. Moehler, assignors to Conmar Products Corporation, Newark, N. J. Releasing end stop nonseparable slide fastener. 2,573,058, Oct. 30.
Rabinow, David, Maplewood, and O. J. Moehler, assignors to Conmar Products Corporation, Newark, N. J. Releasing end stop nonseparable slide fastener. 2,573,059, Oct. 30.
Radio Corporation of America, assignee: *See*—
Bucher, Thomas T. N.
Burnside, Don G.
Carter, Philip S.
Coleman, John H.
Eddy, Robert C.
Hataway, Jarrett L., and Hotine.
Lindenblad, Nils E.
Poch, Waldemar J.
Rankin, John A., Alexander, and Deal.
Shaw, Hubert R.

aetsch, Bruno A.: *See*—
Girard, Byron F., and Raetsch.
aetsch, Bruno A., Baltimore, Md., and J. A. Trethewey, Manitou Springs, Colo., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing electrical contactors. 2,573,488, Oct. 30.
amirez, Salvador, Chicago, Ill. Automatic fishing device. 2,573,357, Oct. 30.
ankin, John A., Chicago, Ill., W. R. Alexander, Upper Montclair, and H. B. Deal, Glen Ridge, N. J., assignors to Radio Corporation of America. Frequency modulation circuit. 2,573,274, Oct. 30.
athmell, Frank F., Wynnewood, Pa. Fisherman's knife. 2,573,601, Oct. 30.
auglas, Gerard, Kankakee, Ill. Trailer awning. 2,573,060, Oct. 30.
aytheon Corporation, The, assignee: *See*—
Melcher, Walter P., and Voels.
Pakswer, Serge, and Schmidt.
Szegho, Constantin S.
aymond, Frank R., Surry, N. H., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Compartment lock. 2,573,061, Oct. 30.
aytheon Manufacturing Company, assignee: *See*—
Chandler, Gordon E.
ead, Charles E.: *See*—
White, Glenn L., and Read.
ecord Files, Inc., assignee: *See*—
Regenhardt, Hans W.
Regenhardt, Hans W., and Beno.
edward, Dorothy B., Seattle, Wash. Hot and cold water control valve. 2,573,062, Oct. 30.
eece Corporation, The, assignee: *See*—
Rich, Marion C.
eese, Kenneth E., Elkhart, Ind. Punch press and the like. 2,572,949, Oct. 30.
egenhardt, Hans W., Cleveland, assignor to Record Files, Inc., Wooster, Ohio. Interlocking filing case. 2,573,602, Oct. 30.
egenhardt, Hans W., and G. M. Beno, assignors to Record Files, Inc., Wooster, Ohio. Follower for filing compartments. 2,573,603, Oct. 30.
einhardt, Herman E., Hasbrouck Heights, assignor to Boyle-Midway Inc., Jersey City, N. J. Evaporation apparatus. 2,573,672, Oct. 30.
eliable Electric Company, assignee: *See*—
Lockhart, Roy R.
emington Arms Company, Inc., assignee: *See*—
Hailston, Ellis W., Casey, and Melick.
Whipple, Ernest G.
enfro, Ralph T., Sr., Boise, Idaho, assignor to Scruggs and Vaughan Manufacturing Company, Inc., Phoenix, Ariz. Minnow bucket. 2,573,109, Oct. 30.
enner, Herbert O., Des Plaines, assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill. Oxidizing fatty materials. 2,573,368, Oct. 30.
ens, Emil K., Dedham, assignor to Knight Leather Products Inc., Jamaica Plain, Mass. Combination purse and billfold. 2,573,063, Oct. 30.
epublic Aviation Corporation, assignee: *See*—
Bergen, Richard S., and Sealander.
Lipman, Maurice S.
Pevney, Paul.
Walters, Edmund.
ex Slide Fastener Corporation, assignee: *See*—
Wery, Albert G.
heiner, Alfred, and H. M. Hemmi, assignors to Sandoz Limited, Basel Switzerland. Formaldehyde-dicyandiamide polyhydroxypropylene-polyamine reaction product. 2,573,489, Oct. 30.
heinfrank, Eugene, New York, N. Y. Demonstrator. 2,573,490, Oct. 30.
ich, Marion C., Denver, Colo., assignor to The Reece Corporation, Boston, Mass. Buttonhole sewing machine. 2,573,339, Oct. 30.
ichardson, Allan S., Butte, Mont. Air-cooling apparatus. 2,573,491, Oct. 30.
ichardson, James C., and D. W. Soderberg, Olympia, Wash. Portable hoist. 2,573,604, Oct. 30.
ichardson, John N., assignor to Modern Equipment Company, Port Washington, Wis. Deflector for cupolas. 2,573,492, Oct. 30.
iche, Kenneth A., Long Beach, Calif. Clothes hanger for automobiles. 2,573,275, Oct. 30.
ichter, Henry, assignor to Paramount Textile Machinery Co., Kankakee, Ill. Presetting cabinet. 2,572,893, Oct. 30.
ider, Clarence A., Houston, assignor to Steel Processing Company, Pittsburgh, Pa. Control valve. 2,572,950, Oct. 30.
iebman, Leon, U. S. Navy. Heterodyne frequency converter. 2,573,880, Oct. 30.
iedesel, Richard G., St. Paul, and L. A. Martin, White Bear, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrading the interior surfaces of hollow ware. 2,573,220, Oct. 30.
ieser, John D., San Francisco, Calif. Variable-speed drive. 2,573,493, Oct. 30.
ietz, Carl A.: *See*—
Newkirk, William B., Williams, Rietz, and Dunwody.
ietz Manufacturing Company, assignee: *See*—
Newkirk, William B., Williams, Rietz, and Dunwody.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. Hydroxyalkyl fluorenyl amines. 2,573,607, Oct. 30.
Rieveschl, George, Jr., Grosse Pointe Woods, assignor to Parke, Davis & Company, Detroit, Mich. N-fluorenyl N-alkyl β-haloalkyl amines. 2,573,608, Oct. 30.
Rieveschl, George, Jr., Grosse Pointe Woods, and W. R. Coleman, Grosse Pointe, assignors to Parke, Davis & Company, Detroit, Mich. Tertiary amines and obtaining the same. 2,573,605, Oct. 30.
Rieveschl, George, Jr., Grosse Pointe Woods, and W. R. Coleman, Grosse Pointe, assignors to Parke, Davis & Company, Detroit, Mich. Lower alkyl and alkenyl N-(1-naphthyl methyl) N-hydroxyethyl amines. 2,573,606, Oct. 30.
Ritter, John J., Yonkers, N. Y. Producing N-mono substituted imidic compounds. 2,573,673, Oct. 30.
Roberts, Clark L., Nampa, Idaho. Multiple-jaw pipe vise. 2,573,276, Oct. 30.
Roberts, Edgar C., Arlington, Va., and G. B. Davis, Jr., Washington, D. C., assignors to the United States of America as represented by the Secretary of War. Mortar sight bracket and sight. 2,572,882, Oct. 30.
Robinson, Eli A., Amsterdam, N. Y. Making inflatable articles. 2,573,609, Oct. 30.
Robison, Jay L., assignor to Merla Tool Corporation, Dallas, Tex. Well flow device. 2,573,110, Oct. 30.
Robotron Corporation, assignee: *See*—
Rockafellow, Stuart C.
Robson, Stanley, Parktown, Johannesburg, Transvaal, Union of South Africa. Lifting clamp. 2,573,064, Oct. 30.
Rockafellow, Stuart C., Farmington, assignor to Robotron Corporation, Detroit, Mich. Electric valve sequenced multifunction timer. 2,573,360, Oct. 30.
Rockwell, Edward A., Cleveland, Ohio. Power intensifier. 2,573,277, Oct. 30.
Rodgers, James L., Jr., and A. M. Howald, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Torsion transmitting glass shaft and manufacture. 2,573,361, Oct. 30.
Roedel, Milton J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Styrene copolymer compositions. 2,572,951, Oct. 30.
Romig, Oscar G., St. Joseph, Mo. Compression link for tractor hitches. 2,573,221, Oct. 30.
Ronson Art Metal Works, Inc., assignee: *See*—
Flamm, Alexander L.
Rosenberg, Heins, Vienna, Austria. Adjustable frequency commutator generator. 2,573,494, Oct. 30.
Ross, John, Ramsey, and A. I. Gebhart, Union, assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Separation of maleic anhydride-olefin monomers from polymers. 2,573,495, Oct. 30.
Rossi, Irving, West Orange, N. J., and W. Dubilier, New Rochelle, N. Y. Bottle cap. 2,573,111, Oct. 30.
Rothstein, Jerome, Belmar, N. J. Thyratron cathode design to prevent clean-up of hydrogen. 2,572,881, Oct. 30.
Rouse, Ardie A., Orange, Tex. Shotgun projectile. 2,573,362, Oct. 30.
Rowe, Walter, New York, N. Y., and C. M. Adler, Beverly Hills, Calif., assignors to Cinex, Inc., New York, N. Y. Photographic apparatus. 2,573,278, Oct. 30.
Royal Typewriter Company, Inc., assignee: *See*—
Hart, Henry J.
Ruddick, Herchall H., Cincinnati, Ohio. Metatarsal pad. 2,573,363, Oct. 30.
Ruff, Alonzo W., York, Pa., assignor to Harvey-Whipple Incorporated, Springfield, Mass. Forced air flow air-heating furnace. 2,573,651, Oct. 30.
Ruhle, William L., assignee: *See*—
Hancock, Chester D.
Rulon-Miller, Robert, assignor to Dixon Lubricating Saddle Company, Bristol, R. I. Saddle for spinning frames. 2,573,222, Oct. 30.
Runkle, George L., assignor to Superior Coach Corporation, Lima, Ohio. Releasable table operating means for hearses. 2,573,496, Oct. 30.
Rupert, Jack C., Syracuse, N. Y., assignor to General Electric Company. Machine for trimming and removing braid from shielded wire and cable. 2,573,497, Oct. 30.
Russo, Joseph A., Pittsburgh, Pa. Envelope. 2,573,610, Oct. 30.
Rust, David J., and J. H. Jensen, assignors to Ry-Lock Company, Ltd., San Leandro, Calif. Frameless window screen tensioning device. 2,573,223, Oct. 30.
Rust, John B., Montclair, and C. A. MacKenzie, East Orange, N. J., assignors of one-half to Montclair Research Corporation, and one-half to Ellis-Foster Company. Polymerization of an alkoxy hydrocarbon silane by oxidation. 2,572,876, Oct. 30.
Ry-Lock Company, Ltd., assignee: *See*—
Rust, David J., and Jensen.
Rymal, Theodore R., Houston, Tex. Self-lubricating piston rod. 2,572,952, Oct. 30.
Saari, Thomas A., Chicago, Ill., assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation. Floating press head. 2,572,953, Oct. 30.
Salemme, Vincent J., Staten Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetic fluid clutch and brake. 2,573,065, Oct. 30.

Sampson, Frederick W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Freezing tray. 2,573,066, Oct. 30.
Sanches, Guillermo, Warren, Ohio. Parallel rule. 2,573,611, Oct. 30.
Sandberg, Stig C. G., Jonkoping, Sweden. Dishwashing machine. 2,573,067, Oct. 30.
Sandos Limited, assignee: *See*—
Rheiner, Alfred, and Hemmi.
Sarafian, Karl: *See*—
Hessler, Arthur F., Boretti, and Sarafian.
Sargent & Greenleaf, Inc., assignee: *See*—
Eiffert, Otto H., and Thomas.
Scalera, Mario, and W. S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y. Acylation of aminosulfonic acids of dibenzothiophene. 2,573,652, Oct. 30.
Scharf, Percy E., La Riviere, Manitoba, Canada. Cutterbar actuating mechanism. 2,573,068, Oct. 30.
Scharff, John E., New Rochelle, N. Y. Air-heating furnace with liquid heat transfer means. 2,573,364, Oct. 30.
Scheinker, Ilya, New York, N. Y. Jogging machine. 2,573,164, Oct. 30.
Scheinker, Ilya, New York, N. Y. Form binding machine. 2,573,612, Oct. 30.
Scherbatskoy, Serge A., Tulsa, Okla. System of determining the listening habits of wave signal receiver users. 2,573,279, Oct. 30.
Schieler, Albert M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Retractable pilot for railway locomotives. 2,573,224, Oct. 30.
Schlumberger Well Surveying Corporation, assignee: *See*—
Blanchard, André.
Schmidt, Adolph W.: *See*—
Pakswer, Serge, and Schmidt.
Schmidt, Lothar M., Syracuse, N. Y., assignor to the United States of America as represented by the Secretary of the Navy. Continuously variable high-voltage power supply. 2,573,280, Oct. 30.
Schmidt, Willy A.: *See*—
Tulagin, Vsevolod, and Schmidt.
Schneckenburger, Philip M., assignor to Gasoteria Corporation, Buffalo, N. Y. Coin-operated dispensing pump. 2,573,112, Oct. 30.
Scholes, Addison B., Georgetown, and O. Mann, Danvers, assignors to Sylvania Electric Products Inc., Salem, Mass. Apparatus for fabricating insulating members for lamp bases and the like. 2,573,365, Oct. 30.
Scholl, Walter H., Washington, D. C. Sealing pipe joints. 2,573,366, Oct. 30.
Schrock, Daniel A., assignor to Idaho Sprocket and Machine Works, Boise, Idaho. Apparatus for thermochemically cutting gears. 2,573,653, Oct. 30.
Schrock, Daniel A., assignor to Idaho Sprocket and Machine Works, Boise, Idaho. Apparatus for thermochemically cutting gears. 2,573,654, Oct. 30.
Schultze, Helmuth A., assignor to New Process Gear Corporation, Syracuse, N. Y. Synchronising power transmitting mechanism. 2,573,613, Oct. 30.
Schumacher, Charles F., Munday, Tex. Lister attachment. 2,573,281, Oct. 30.
Schumacher, Clifford W., Newcomerstown, Ohio. Ventilator. 2,572,955, Oct. 30.
Schumacher, Erwin A.: *See*—
Fisher, Charles R., Heise, and Schumacher.
Schwartz, Anthony M., Washington, D. C., assignor to Standard Oil Company, Chicago, Ill. Acid dyeing process using alkane-sulfonic acids. 2,572,954, Oct. 30.
Schwartz, Leo, New York, and M. S. Mansson, White Plains, assignors to Automatic Sewing Equipment Co., Inc., New York, N. Y. Cross thread laying apparatus. 2,573,614, Oct. 30.
Schwartz, Morris, and W. Castedello, assignors to The Kalart Company Inc., Stamford, Conn. Photographic holder. 2,573,655, Oct. 30.
Schweiter, Walter, Horgen, Switzerland, assignor to Maschinenfabrik Schweiter A. G. Ejector and thread clamp. 2,573,367, Oct. 30.
Sciacca, Franco, and L. Notarbartolo, Milan, Italy, assignors to Montecatini Societa Generale Per L'Industria Mineraria E Chimica Anonima. Preparation of artificial cryolite free from silica. 2,573,282, Oct. 30.
Scott, George M., Fort Erie, Ontario, Canada. Wall plug. 2,573,498, Oct. 30.
Scott, Harry, Dayton, Ohio. Portable sewing machine. 2,573,499, Oct. 30.
Scruggs and Vaughan Manufacturing Company, Inc., assignee: *See*—
Renfro, Ralph T., Sr.
Scudi, John V.: *See*—
Duesel, Bernard F., and Scudi.
Séailles, Jean C., Paris, France. Settling tank. 2,573,615, Oct. 30.
Séailles, Jean C., Paris, France. Extracting magnesia from aqueous solution containing magnesium salts decomposable by lime and alkalies. 2,573,616, Oct. 30.
Sealander, Bertram E.: *See*—
Bergen, Richard S., and Sealander.
Seamark, Lewis M. C., Lyne Regis, England. Sealing packing. 2,573,225, Oct. 30.
Seborg, Earnest Y., assignor to Barnes Drill Co., Rockford, Ill. Reciprocatory drive for machine tools. 2,573,368, Oct. 30.
Sedlmayr, Carl J., assignee: *See*—
Hall, Ellis C.
Sedlmayr, Carl J., Jr., assignee: *See*—
Hall, Ellis C.
Segrè, Emilio G., Santa Fe, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission. Method and apparatus for measuring strong alpha emitters. 2,573,069, Oct. 30.
Seitz, Walter T., Etna, Pa. Induction motor. 2,573,283, Oct. 30.
Selas Corporation of America, assignee: *See*—
Hess, Frederic O.
Serafin, Joseph W., Chicago, Ill. Extended collet holder for milling machine dividing heads. 2,572,890, Oct. 30.
Servis, Hoyt, assignor to The Dumore Company, Racine, Wis. Securing leads to commutators. 2,572,956, Oct. 30.
Settles, James C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Damping means for railway trucks. 2,573,165, Oct. 30.
Severud, Gerhard, Oslo, Norway. Cream remover. 2,573,500, Oct. 30.
Shafer, Kenneth L., Buffalo, N. Y. Lock washer. 2,573,226, Oct. 30.
Shafer, Orville B.: *See*—
Dayger, Jonas E., Shafer, and Gray.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone dial lamp. 2,573,617, Oct. 30.
Shattuck, Donald E.: *See*—
Kelley, James F., and Shattuck.
Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Oscillator. 2,573,284, Oct. 30.
Shaw, Ralph M., Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa. Food preserving and cooking device. 2,572,826, Oct. 30.
Shaw, Robert P., Pelham Manor, N. Y. Room illuminator. 2,572,957, Oct. 30.
Sheeley, William F., Toulon, Ill. Flexible rotary-hammer unit. 2,573,227, Oct. 30.
Shell Development Company, assignee: *See*—
Harman, Denham, and Thorpe.
Lacomble, Antoine E.
Peterson, Walter H.
Sheller Manufacturing Company, assignee: *See*—
McFarland, Joseph H.
Shepherd Brothers Spread Company, assignee: *See*—
Montgomery, Julius.
Shonk, Anna T., administratrix: *See*—
Watson, Oliver E.
Short, J. R., Milling Company, assignee: *See*—
Renner, Herbert O.
Shuron Optical Company, Inc., assignee: *See*—
Long, Eli M., and McCarthy.
Silbermann, Henry: *See*—
Weisberg, Samuel M., Paulsen, and Silbermann.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Computing device for photographic color printing processes of masking type. 2,573,113, Oct. 30.
Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Sinclair Refining Company, assignee: *See*—
Olson, Leonard E.
Sisson, Wayne A.: *See*—
Kulp, Maurice P., and Sisson.
Sisto, Thomas J., Alhambra, Calif. Barbecue stove. 2,573,115, Oct. 30.
Skromme, Arnold B., assignor to Pineapple Research Institute of Hawaii, Honolulu, Territory of Hawaii. Portable automatic-tension grinder. 2,573,501, Oct. 30.
Slack, Frederick F.: *See*—
Berger, France B., and Slack.
Slauth, John M., Escondido, Calif. Trap. 2,573,228, Oct. 30.
Slonneger, Bruce K., Dayton, Ohio. Holder for sheets. 2,573,114, Oct. 30.
Smart, David L., Stafford, assignor to The English Electric Company Limited, London, England. Electric discharge device. 2,573,618, Oct. 30.
Smart, David L., Stafford, assignor to The English Electric Company Limited, London, England. Electric discharge device. 2,573,619, Oct. 30.
Smith, A. O., Corporation, assignee: *See*—
Andrus, Orrin E.
Smith, Carl H., Jr., Arlington, Va. Timing circuit. 2,572,891, Oct. 30.
Smith, Kline & French Laboratories, assignee: *See*—
Kerwin, James F., and Ulliyot.
Smith, Lee B.: *See*—
Calfee, John D., and Smith.
Smith, Philip H.: *See*—
Baker, George H., and Smith.
Smith, Sidney R., Jr.: *See*—
Lincks, George F., and Smith.
Smith, William, Jr., assignor to General Motors Corporation, Dayton, Ohio. Multichambered gas burner with selective gas supply. 2,573,502, Oct. 30.

Smith, William J., Worthington, Ohio, assignor to The Jeffrey Manufacturing Company. Hutch valve for baum jigs. 2,573,503, Oct. 30.

Snoddy, Max E., Dallas, Tex. Fluid control valve. 2,573,369, Oct. 30.

Societe des Usines Chimiques Rhone-Poulenc, assignee: *See*—
Bidaud, Auguste F., and Dumont.
Fluchaire, Maurice L. A., and Collardeau.

Soderberg, David W.: *See*—
Richardson, James C., and Soderberg.

Solem, Andrew P.: *See*—
Markvart, Edwin J., and Solem.

Solie, Harold L., Minneapolis, Minn. Sealing device. 2,573,504, Oct. 30.

Songer, Charles J., assignee: *See*—
McNerney, Robert P.

Sorg, Harold E.: *See*—
Eitel, William W., McCullough, and Sorg.

Soundscriber Corporation, The, assignee: *See*—
Bacon, David L., and McLoughlin.

Špaček, Antonín, Prague-Branik, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia. Increasing the deviation of frequency modulated oscillations. 2,572,965, Oct. 30.

Sparks, William J., Cranford, F. P. Baldwin, Rahway, and R. G. Newberg, Cranford, N. J., assignors to Standard Oil Development Company. Packaging tacky isobutylene-diolefin rubber in film of compatible styrene-isobutylene copolymer. 2,572,959, Oct. 30.

Spengler-Loomis Manufacturing Company, assignee: *See*—
Markvart, Edwin J., and Solem.

Spitalny, Milton M., Hillside, N. J. Carry-all vanity case. 2,573,020, Oct. 30.

Sporlan Valve Company, assignee: *See*—
Lange, Harold T.

Sprouse, V. E., Company, Inc., assignee: *See*—
Sprouse, Verner E., and Jordan.

Sprouse, Verner E., and T. P. Jordan, assignors to V. E. Sprouse Company, Inc., Columbus, Ind. Ventilating fan mounting structure. 2,573,145, Oct. 30.

Stafford, Jerome W., and R. L. Garman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Range indicating system. 2,573,070, Oct. 30.

Standard Oil Company, assignee: *See*—
Brenholdt, Irving R.
Schwartz, Anthony M.

Standard Oil Development Company, assignee: *See*—
Jones, Insley P.
Sparks, William J., Baldwin, and Newberg.

Stanton, Robert, Denver, Colo. Solid-liquid reaction processes. 2,572,887, Oct. 30.

Statham, Louis D., Beverly Hills, Calif., assignor to Curtiss-Wright Corporation. Accelerometer. 2,573,285, Oct. 30.

Statham, Louis D., Beverly Hills, and C. J. Baker, Los Angeles, Calif., assignors to Curtiss-Wright Corporation. Strain gauge measurement instrument. 2,573,286, Oct. 30.

Stauffer, Robert A.: *See*—
Clough, Philip J., Morse, Hellier, and Stauffer.

Stautzenberger, Adin L.: *See*—
MacLean, Alexander F., and Stautzenberger.

Stealy, George W., Maplewood, assignor to Monsanto Chemical Company, St. Louis, Mo. Hydrolysis of acetylaminonitrothiazole. 2,573,656, Oct. 30.

Stealy, George W., Maplewood, assignor to Monsanto Chemical Company, St. Louis, Mo. Neutralization of the mineral acid salts of aminonitrothiazole. 2,573,657, Oct. 30.

Steans, Ria R., New York, N. Y. Butter forming device. 2,572,960, Oct. 30.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J., Jr.

Steel Processing Company, assignee: *See*—
Rider, Clarence A.

Steffens, Carsten C., Syracuse, assignor to Sun Chemical Corporation, New York, N. Y. Viscosimeter. 2,573,505, Oct. 30.

Stein, Jack, Dayton, Ohio. Heating and ventilating system. 2,572,888, Oct. 30.

Stephens, Dewey: *See*—
Lee, William F., and Stephens.

Sterland, Ernest G., Cambridge, assignor to The English Electric Company Limited, London, England. Elastic fluid turbine. 2,573,621, Oct. 30.

Sterling Drug Inc., assignee: *See*—
Archer, Sydney.

Sterling Molders, Inc., assignee: *See*—
Youngblood, Robert N., and Errick.

Stern, George, assignor to American Electro Metal Corporation, Yonkers, N. Y. Producing aluminum coated metal articles. 2,573,229, Oct. 30.

Stevens, Elbert M.: *See*—
Blumberg, Hamilton G., and Stevens.

Stevens, J. P., & Co. Inc., assignee: *See*—
Littlejohn, Henry E.
Winslow, Albert E.

Stevenson, Lawrence J.: *See*—
Chapman, Joseph D., and Stevenson.

Stodder, Horace R.: *See*—
Terry, Philip B., Jr., and Stodder.

Stokes, John F., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Cam system. 2,573,506, Oct. 30.

Stoneburner, Charles F., Ravenswood, W. Va. Garment hanger of the folding type. 2,573,622, Oct. 30.

Storsand, Bjarne, Zurich, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland. Power transmission system, especially for vehicles. 2,573,071, Oct. 30.

Story, Charles F.: *See*—
Koonce, Wilbur E., and Story.

Stover, Fred J., Rocky River, Ohio. Valve head. 2,573,623, Oct. 30.

Strang, John M.: *See*—
French, James W., Strang, and Macgill.

Strauss, Michael J., Cleveland, Ohio. Bag valve. 2,573,230, Oct. 30.

Strauss, William I.: *See*—
Knox, Peter S., Jr., and Strauss.

Strykower, Joel R., Philadelphia, Pa. Article carrying lanyard. 2,572,889, Oct. 30.

Stuckert, Felix J., Wauwatosa, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Block for internal-combustion engines. 2,573,116, Oct. 30.

Sullivan, Raymond H.: *See*—
Contant, Peter R., and Sullivan.

Sulzer Frères, Société Anonyme, assignee: *See*—
Traupel, Walter.

Sumerford, W. T., and J. A. Jensen, Atlanta, Ga., assignors to the United States of America as represented by the administrator, Federal Security Agency. Pine-gum rosin DDT insecticide compositions. 2,572,864, Oct. 30.

Sumner, Henry W., Seattle, Wash., assignor to W. E. Irving, Long Island City, N. Y. Suspension bridge. 2,573,507, Oct. 30.

Sun Chemical Corporation, assignee: *See*—
Fish, John J.
Steffens, Carsten C.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Fugitive one mechanism for typewriting and accounting machines. 2,573,508, Oct. 30.

Sundt, Vigo V. K., assignor to Gisholt Machine Company, Madison, Wis. Air chuck. 2,573,166, Oct. 30.

Sunray Company, assignee: *See*—
Lee, William F., and Stephens.

Superior Coach Corporation, assignee: *See*—
Runkle, George L. V.

Svendsen, Robert W., Maywood, Ill. Cap for aerosol bomb. 2,573,624, Oct. 30.

Svenska Aktiebolaget Gasaccumulator, assignee: *See*—
Grangvist, Carl-Erik.

Swart, Ira E., Syracuse, N. Y. Advertising device. 2,573,625, Oct. 30.

Swern, Daniel, and H. B. Knight, Philadelphia, Pa., assignors to the United States of America, as represented by the Secretary of Agriculture. Oxidation of oleic acid. 2,572,892, Oct. 30.

Sylvania Electric Products, Inc., assignee: *See*—
Doran, Robert F.
Gull, Roy A.

Sylvania Electric Products, Inc., assignee: *See*—
Harrison, Shirley W.
Hutter, Rudolf G. E.
Scholes, Addison B., and Mann.

Syncromatic Corporation, assignee: *See*—
Jaye, Richard C.

Szegho, Constantin S., Chicago, Ill., assignor to The Rauland Corporation. Electron gun for cathode-ray tubes. 2,573,287, Oct. 30.

Tadewald, Albert O., assignor to The Trane Company, La Crosse, Wis. Heat exchanger. 2,573,161, Oct. 30.

Taylor, James E., assignor to The Norden Laboratories Corporation, New York, N. Y. Electrical computer. 2,573,626, Oct. 30.

Taylor, Reginald J., Wirral, England, assignor to Lever Brothers Company, Cambridge, Mass. Treatment of fatty oils. 2,573,509, Oct. 30.

Teague, Walter D., Jr., Alpine, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pilot-operated relief valve. 2,573,231, Oct. 30.

Technicolor Motion Picture Corporation, assignee: *See*—
Clark, Lauriston E.

Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,573,288, Oct. 30.

Terranova, Pasquale, Bronx, N. Y. Shock absorbing vehicle bumper. 2,573,510, Oct. 30.

Terry, Philip B., Jr., Hingham, and H. R. Stodder, Holbrook, Mass. Therapeutic traction device. 2,573,162, Oct. 30.

Tesla National Corporation, assignee: *See*—
Špaček, Antonín.

Theno, Raymond, assignee: *See*—
Hancock, Chester D.

Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Remote control system for typewriters. 2,573,370, Oct. 30.

Thomas, Henry: *See*—
Klingens, Cornelis, and Thomas.

Thomas, Howard S., Jr.: *See*—
Eiffert, Otto H., and Thomas.

Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic silver-halide emulsions sensitized with asymmerocyanine dyes. 2,572,961, Oct. 30.

Thomson, Ernest F., Tuckahoe, N. Y., assignor, by mesne assignments, to J & J Tool and Machine Co., Chicago, Ill. Venetian blind rail and tape fastener. 2,573,163, Oct. 30.

Thorpe, Roy E.: *See*—
Harman, Denham, and Thorpe.

Thurston, Paul L., Martinsburg, W. Va., assignor to Interwoven Stocking Company, New Brunswick, N. J. Article of hosiery. 2,573,117, Oct. 30.

Thurston, Paul L., Martinsburg, W. Va., assignor to Interwoven Stocking Company, New Brunswick, N. J. Circular knitting machine. 2,573,118, Oct. 30.

Tiessen, Derk V.: *See*—
Gaver, Kenneth M., Lasure, and Tiessen.

Timber Engineering Company, assignee: *See*—
Farber, Eduard.

Tobin-Arp Manufacturing Company, assignee: *See*—
Arp, Ewald A.

Torres, Roberto, Mexico City, Mexico. Combined shock absorbing and motor vehicle spring suspension arrangement. 2,573,119, Oct. 30.

Trane Company, assignee: *See*—
Tadewald, Albert O.

Transit Research Corporation, assignee: *See*—
Piron, Emil H.

Transmission & Gear Company, The, assignee: *See*—
Gerst, Chris.

Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant with controller of stage by-pass in turbocompressor auxiliary. 2,573,289, Oct. 30.

Travilla, James C., Jr., Swarthmore, Pa., and E. S. Beckette, East St. Louis, assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck construction. 2,573,232, Oct. 30.

Trethewey, Jack A.: *See*—
Raetsch, Bruno A., and Trethewey.

Trico Products Corporation, assignee: *See*—
Macpherson, Robert B.

Triumph Dishwashers Limited, assignee: *See*—
Burt-Wells, Sidney G.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander and Sohn Aktiengesellschaft, Braunschweig, Germany. Four-lens photographic objective. 2,573,511, Oct. 30.

Tronnier, Albrecht W., Gottingen, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany. Four-lens triplet type photographic objective. 2,573,512, Oct. 30.

Tucker, Herbert E.: *See*—
Hall, Joseph M., and Tucker.

Tulagin, Vsevolod, Phillipsburg, N. J., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. 2-napthyl J-acid and its preparation. 2,573,513, Oct. 30.

Turner, William W., Drexel Hill, Pa., assignor to General Electric Company. Reversible electric switch. 2,573,514, Oct. 30.

Ullyot, Glenn E.: *See*—
Kerwin, James F., and Ullyot.

Underwood Corporation, assignee: *See*—
Sundstrand, Oscar J.

Union Carbide and Carbon Corporation, assignee: *See*—
Fisher, Charles R., Heise, and Schumacher.
Houvener, Russell W.
Berringer, Robert E.

Union des Verreries Mecaniques Belges, Société Anonyme, assignee: *See*—
Verheggen, Albert J.

Union Manufacturing Company, assignee: *See*—
Church, Albert E.

United Shoe Machinery Corporation, assignee: *See*—
James, Cyril H.

United States Atomic Energy Commission, United States of America as represented by the, assignee: *See*—
Coler, Myron A.
Nier, Alfred O. C.
Segrè, Emilio G.

United States Barrel & Drum Corporation, assignee: *See*—
Pearlman, Philip.

United States Gypsum Company, assignee: *See*—
Bollaert, Edgard M.

United States of America, assignee: *See*—
Welch, Henry.

United States Rubber Company, assignee: *See*—
Ladd, Elbert C.
Porth, Irving H.

U. S. Slicing Machine Company, Inc., assignee: *See*—
Van Duyn, Adrianus.
Klingens, Cornelis, and Thomas.
Van Duyn, Adrianus.

Universal Oil Products Company, assignee: *See*—
Gleim, William K. T., and Gaydasch.
Kassel, Louis S.

University of Pennsylvania, The Trustees of the, assignee: *See*—
Ehrenstein, Maximilian R.

Urfer, Adolf, Lake Oscawana, Putnam Valley, N. Y. Marine speed indicator. 2,573,515, Oct. 30.

Vale, Baldwin, deceased, San Francisco, Calif.; H. E. Vale, executrix. Reclining chair. 2,573,073, Oct. 30.

Vale, Helen E., executrix: *See*—
Vale, Baldwin.

Van der Molen, Arie P., Beek, assignor to De Directie van Staatsmijnen in Limburg, Heerlen, Netherlands. Treatment of solutions. 2,573,516, Oct. 30.

Vanderlip, Laurence A., Wichita, Kans. Automotive headlight dimming system. 2,573,627, Oct. 30.

Van Duyn, Adrianus, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Slicing machine feed mechanism. 2,573,628, Oct. 30.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Slicing machine with gauge plate adjusting means. 2,573,630, Oct. 30.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc. Slicing machine. 2,573,631, Oct. 30.

Van Duyn, Adrianus, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind. Slicing machine with stacker. 2,573,632, Oct. 30.

Van Guilder, Walter, River Forest, assignor to Precision Scientific Co., Chicago, Ill. Fume exhaust manifold. 2,573,290, Oct. 30.

Van Leuven, Edwin P., Bakersfield, Calif. Gemstone machine. 2,573,371, Oct. 30.

Van Weel, Adelbert, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Ultrahigh-frequency circuit arrangement comprising a discharge tube. 2,573,517, Oct. 30.

Vassel, Bruno, Toledo, Ohio, assignor to International Minerals and Chemical Corporation. Production of vegetable protein. 2,573,072, Oct. 30.

Vaughan Mfg. Co., assignee: *See*—
La Forte, Michael J.

Verdick, Edmund J., and J. L. White, Annawan, Ill. Lever type tire bead loosening tool. 2,573,233, Oct. 30.

Verheggen, Albert J., Lodelinsart, assignor to Union des Verreries Mecaniques Belges, Société Anonyme, Charleroi, Belgium. Manufacture of patterned embossed glass. 2,573,518, Oct. 30.

Vickers Incorporated, assignee: *See*—
Gardiner, Duncan B.
Peters, Carl E.

Visco Products Company, assignee: *See*—
Kirkpatrick, Willard H.

Voels, Harry H.: *See*—
Melcher, Walter P., and Voels.

Voightlander & Sohn Aktiengesellschaft, assignee: *See*—
Tronnier, Albrecht W.

Volpin, Alexander S., Houston, Tex. Lubricated plug valve. 2,572,894, Oct. 30.

Von Bredow, Hans D., Hartland, Wis. Visual indicating device for vehicles. 2,573,127, Oct. 30.

Von Pein, Edward J., Dayton, Ohio. Fishing reel. 2,573,074, Oct. 30.

Wagenknecht, Otto E., Chicago, Ill., assignor to Zenith Radio Corporation. Automatic station indicating device. 2,573,291, Oct. 30.

Waggener, Kenneth E., Brea, Calif. Safety sub jar assembly. 2,572,895, Oct. 30.

Wagler, Karl F., Chicago, Ill. Floral display stand. 2,573,372, Oct. 30.

Wagner Electric Corporation, assignee: *See*—
Malsbary, James S.

Wahl, Otto: *See*—
Bradford, William J., and Wahl.

Wales, Nathaniel B., Jr., Morristown, N. J., assignor to International Business Machines Corporation, New York, N. Y. Cathode glow discharge device. 2,573,373, Oct. 30.

Walker, Brooks, Piedmont, Calif. Venetian blind. 2,572,896, Oct. 30.

Walker, Lloyd W., assignor to L. W. Walker, W. H. Walker, K. D. Walker, and R. E. Walker, doing business as Walker Metal Products Company, Harvey, Ill. Garment hanger. 2,573,167, Oct. 30.

Walker Metal Products Company, assignee: *See*—
Walker, Lloyd W.

Walker, Kathleen D., assignee: *See*—
Walker, Lloyd W.

Walker, Rose E., assignee: *See*—
Walker, Lloyd W.

Walker, William H., assignee: *See*—
Walker, Lloyd W.

Wallace, James M., Braddock, and E. F. Beach, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,573,234, Oct. 30.

Walters, Edmund, Evansville, Ind., assignor to Republic Aviation Corporation, Farmingdale, N. Y. Setting tool. 2,573,235, Oct. 30.

Walther, Adolf, Oberentfelden, Switzerland. Machine for drilling and studding brushes. 2,573,519, Oct. 30.

Wandelt, Richard F., Gladstone, N. J. Heat radiator and radiating heat. 2,573,120, Oct. 30.

Wandelt, Richard F., Gladstone, N. J. Radiant heating and drying device. 2,573,121, Oct. 30.

War, United States of America as represented by the Secretary of, assignee: *See*—
Berger, France B., and Slack.
Chance, Britton.
Dunbar, Allen S.
Haworth, Leland J.
Higinbotham, William A.
Roberts, Edgar C., and Davis.
Stafford, Jerome W., and Garman.
Washburn Company, The, assignee: *See*—
Dennis, E. Lucian.
Wasley, William A., Cananea, Mexico, and J. C. MacIntosh, Bisbee, Ariz., assignors to The Cananea Consolidated Copper Company, S. A. Flotation apparatus. 2,573,520, Oct. 30.
Wasley, William A., Cananea, Mexico, and J. C. MacIntosh, Bisbee, Ariz., assignors to The Cananea Consolidated Copper Company, S. A. Flotation apparatus. 2,573,521, Oct. 30.
Watson, Elva, assignee: *See*—
Watson, Oliver E.
Watson, James, assignee: *See*—
May, Madeline.
Watson, Oliver E., deceased, Dayton, assignor of one-half to B. F. Downey, Springfield, A. T. Shonk, administratrix of said O. E. Watson, assignor of one-half to E. Watson, Dayton, Ohio. Self-aligning bore gauge. 2,573,075, Oct. 30.
Watt, William W., assignor to General Motors Corporation, Dayton, Ohio. Valve with vibration damper. 2,573,522, Oct. 30.
Watters, Robert L., Schenectady, N. Y., assignor to General Electric Company. Feedback amplifier. 2,573,523, Oct. 30.
Weber, Rennie I., Chicago, Ill., assignor to Zenith Radio Corporation. Dual speaker control. 2,573,122, Oct. 30.
Wedge Protectors, Inc., assignee: *See*—
Hittle, Foster F.
Weesner, William E., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Purification of esters of orthophosphoric acid. 2,573,658, Oct. 30.
Weigle, Russell M.: *See*—
Chamberlin, Alan C., and Weigle.
Weisberg, Samuel M., E. H. Paulsen, and H. Silbermann, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y. Foil container. 2,573,524, Oct. 30.
Weiss, Abraham: *See*—
Weiss, Joseph and A.
Weiss, Joseph, and A. Weiss, deceased, New York, N. Y., J. Weiss, administrator of said A. Weiss, assignor to J. Weiss individually. Brake control system for motor vehicles. 2,572,962, Oct. 30.
Weiss, Felix, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Apparatus and procedure for filling electrical capacitors and the like. 2,573,123, Oct. 30.
Welch, Henry, Silver Spring, Md., assignor to the United States of America. Production of aureotracin, a compound of aureomycin and bacitracin. 2,572,897, Oct. 30.
Welch, Jerome B.: *See*—
Cox, Irvin W., and Welch.
Welch, Jerome B., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Safety control for rocker-arm welders. 2,573,124, Oct. 30.
Welch, Thomas R., Los Angeles, Calif. Electric sign circuit. 2,573,076, Oct. 30.
Well Surveys, Incorporated, assignee: *See*—
Harris, Phil C.
Wery, Albert G., Teaneck, N. J., assignor to Rex Slide Fastener Corporation. Manufacture for slide fasteners. 2,573,171, Oct. 30.
West, Herbert J., Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y. Thermosetting compositions comprising aminoplast and chlorotriazines. 2,573,525, Oct. 30.
West Virginia Pulp and Paper Company, assignee: *See*—
Pollak, Arthur, and Kellen.
Western Electric Company, Incorporated, assignee: *See*—
Girard, Byron P., and Raetsch.
Henning, George E.
Raetsch, Bruno A., and Trethewey.
Salemme, Vincent J.
Western Union Telegraph Company, The, assignee: *See*—
Boughtwood, John E., and Michon.
Kline, Bernard L.
Westinghouse Air Brake Company, assignee: *See*—
Bebt, Arthur J.
Bethoben, Charles W., and Bush.
Bush, Rankin J.
Hines, Claude M.
Westinghouse Electric Corporation, assignee: *See*—
Hushley, Walter J.
Idle, James G.
Moses, Graham L.
Wallace, James M., and Beach.
Weston Electrical Instrument Corporation, assignee: *See*—
Lamb, Anthony H.
Weyerhaeuser Timber Company, assignee: *See*—
Haselquist, Svarre E.
Whatley, William T., Port Arthur, Tex. Dephlegmating vapors. 2,573,633, Oct. 30.
Whipple, Ernest G., Stratford, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Making a projectile. 2,573,634, Oct. 30.
White, Glen L., Grosse Pointe, and C. E. Read, assignors to Monroe Auto Equipment Company, Monroe, Mich. Tractor seat. 2,573,077, Oct. 30.
White, Joseph L.: *See*—
Verdick, Edmund J., and White.
White, Norman W., Salem, Mass. Play pen. 2,573,526, Oct. 30.
White, Paul W., Mount Carmel, Conn., assignor to Parva Products Company, Chicago, Ill. Buckle. 2,573,527, Oct. 30.
White, S. S., Dental Manufacturing Company, The, assignee: *See*—
Crowell, Walter S.
Whitehead, Oscar N., assignor to H. L. Judd Company, Wallingford, Conn. Curtain rod. 2,573,078, Oct. 30.
Whitehead, Walter R., Gillingham, England. Detachable vehicle wheel. 2,573,079, Oct. 30.
Whitson, James, & Company Limited, assignee: *See*—
Whittit, Alfred E.
Whittit, Alfred E., Heston, assignor to James Whitson & Company Limited, West Drayton, Middlesex, England. Mounting for sliding doors. 2,573,236, Oct. 30.
Wichterle, Otto, Prague, assignor to Chemicke zavody na Slovensku, narodny podnik, Bratislava, Czechoslovakia. Producing lactams by rearrangement of cyclic ketoximes. 2,573,374, Oct. 30.
Wick, Ronald F.: *See*—
Mason, Warren P., and Wick.
Wico Electric Company, assignee: *See*—
Harmon, Kenneth A.
Wicser, Sol B., Washington, D. C. Valve. 2,572,899, Oct. 30.
Wiegandt, Katherine, administratrix: *See*—
Wiegandt, Paul C.
Wiegandt, Paul C., deceased, Brooklyn, N. Y.; K. Wiegandt, administratrix. Material edgestitcher guide mechanism for use with the presser foot of sewing machines. 2,573,170, Oct. 30.
Wilcox, Albert C., Chicago, Ill. Interchangeable glass and metal vacuum coffee maker. 2,573,237, Oct. 30.
Wild, Anthony M.: *See*—
McComble, John T., Mann, and Wild.
Wilkinson, Joseph M., and G. W. Pedlow, Easton, Pa., and R. F. Kleinschmidt, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y. α-(mononitro-monocyclic-aryl)-β-haloethyl lower alkyl ethers. 2,573,080, Oct. 30.
Wilks, Walter, Chicago, Ill. Double-ended clothespin. 2,573,125, Oct. 30.
Williams, Edgar H.: *See*—
Newkirk, William B., Williams, Rietz, and Dunwody.
Williams, Ray M., Mexico, Mo. Fishing pole holder. 2,573,635, Oct. 30.
Willis, Ellsworth D.: *See*—
Moore, Milford B., Willis, and Ginther.
Wilson, William G., Merriam, Kans., assignor to Movie-Mite Corporation, Kansas City, Mo. Cord reel or holder. 2,573,636, Oct. 30.
Wily, James H., Bethlehem, Pa. Closure. 2,572,963, Oct. 30.
Winkler, Marion R., La Grange Park, assignor to Motorola, Inc., Chicago, Ill. Audio compression system. 2,572,900, Oct. 30.
Winslow, Albert E., assignor to J. P. Stevens & Co. Inc., Greenville, S. C. Twister frame spindle support. 2,573,081, Oct. 30.
Winstead, Thomas W., Baltimore, Md. Pump container. 2,573,375, Oct. 30.
Winsted Hardware Manufacturing Company, The, assignee: *See*—
Bate, Alan.
Winter, John R., Jr., assignor to J. R. Winter, Sr., Detroit, Mich. Oil control device for rocker arms. 2,573,082, Oct. 30.
Winter, John R., Sr., assignee: *See*—
Winter, John R., Jr.
Wirtel, Arthur F.: *See*—
De Groote, Melvin, Wirtel, and Pettingill.
Wirth, Sidney R., River Forest, assignor to Advertising Metal Display Co., Chicago, Ill. Display board. 2,573,376, Oct. 30.
Wisconsin Alumni Research Foundation, assignee: *See*—
Boyd, Charles A., and Hirschfelder.
Wisner, William R.: *See*—
Beaumariage, Amos A., Wisner, and Dockerty.
Witten, Benjamin: *See*—
Karel, Leonard, and Witten.
Wolbaum, Harry, Braddock, N. Dak. Grinder attachment for electrical food mixers. 2,573,377, Oct. 30.
Wolfe, H. Hix, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Shutter arrangement for indicators. 2,573,083, Oct. 30.
Woodward, Charles F., Abington, Pa., and E. L. Mayer, Yorba Linda, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Insecticidal composition comprising nicotine sulfate and 4,4'-dichlorodiphenyl sulfide. 2,572,898, Oct. 30.
Wooldridge Manufacturing Company, assignee: *See*—
Clark, Gerald I.

Woolf, Cyril: *See*—
Galitzenstein, Eugen G., and Woolf.
Woolslayer, Homer J., C. Jenkins, and C. D. Iddings, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa. Folding mast structure. 2,573,528, Oct. 30.
Worldsbest Industries, Inc., assignee: *See*—
Bothe, Werner H.
Writesel, James L., Columbus, Ohio. Cold frame. 2,573,084, Oct. 30.
Wulfsberg, Arthur H., assignor to Collins Radio Company, Cedar Rapids, Iowa. Differential tuning mechanism. 2,572,964, Oct. 30.
Wunn, Richard H., Bellflower, Calif. Balanced plug valve. 2,573,238, Oct. 30.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Raymond, Frank E.
Yonkers, Edward H., Glencoe, assignor to Joslyn Manufacturing and Supply Corporation, Chicago, Ill. Fuse link. 2,572,901, Oct. 30.
Yonkers, John L., Northbrook, Ill. Dolly for canister type cleaners. 2,573,085, Oct. 30.
Yoshimoto, Watson T., Sr., Honolulu, Hawaii. Scaffold bracket. 2,573,086, Oct. 30.
Yost, Emil E., Chicago, Ill. Fur cutting apparatus. 2,573,292, Oct. 30.
Young, William R., Fairfield, Conn., assignor to General Electric Company. Front mounted lamp holder. 2,573,529, Oct. 30.
Youngblood, Robert N., Snyder, and E. W. Errick, East Aurora, assignors, by mesne assignments, to Sterling Molders, Inc., Buffalo, N. Y. Device for use in assembling parts of fabrics. 2,573,087, Oct. 30.
Yundt, Michael, Company, assignee: *See*—
Gerlach, Charles L., and Marty.
Zallea Brothers, assignee: *See*—
Zallea, James P., and Mank.
Zallea, James P., Wilmington, and J. J. Mank, Newark, assignors to Zallea Brothers, Wilmington, Del. Making welded steel units. 2,573,530, Oct. 30.
Zenith Radio Corporation, assignee: *See*—
Cotsworth, Albert, III.
Gray, Richard O.
Miller, Bertrand J., and Morris.
Wagenknecht, Otto E.
Weber, Rennie I.
Zillmer, Erich, Braunschweig-Querum, Germany. Projector provided with protecting casing. 2,573,088, Oct. 30.
Zuber, Ervin F., Mount Vernon, Iowa. Wagon box. 2,573,293, Oct. 30.
Zurlinden, Cyril P., Rocky River, Ohio. Bottle pouring cap and closure. 2,573,378, Oct. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Polyfluorinated compounds. J. Harmon. Re. 23,425, Oct. 30.
Power rectifier tube. D. B. Clark. Re. 23,424, Oct. 30.
Primary cell with permanganate depolariser. S. Ruben. Re. 23,427, Oct. 30.
Relay. W. D. Macgeorge. Re. 23,426, Oct. 30.

LIST OF PLANT INVENTIONS

Ivy plant. W. S. Hahn. 1,046, Oct. 30.
Rose plant. A. P. Howard. 1,047, Oct. 30.

LIST OF DESIGN INVENTIONS

Belt buckle or the like. L. Fantaccione. 164,986, Oct. 30.
Boot. G. R. Bingham, Jr. 164,977, Oct. 30.
Bottle, Hot-water. D. Atkin. 164,975, Oct. 30.
Bow necktie. W. D. Blackwell. 164,979, Oct. 30.
Brassière halter. E. W. Gluckin. 164,987, Oct. 30.
Brooch or similar article. A. Katz. 165,005, Oct. 30.
Brooch or similar article. A. Philippe. 165,020, Oct. 30.
Brooch or the like. A. Katz. 165,006–9, Oct. 30.
Cap. P. E. Young. 165,039, Oct. 30.
Case, Merchandise display. F. Wagner. 165,036, Oct. 30.
Chalkboard and eraser rail or similar article, Combination. P. R. Windhorst. 165,038, Oct. 30.
Chest, Field. J. H. Kuhns. 165,011, Oct. 30.
Clock. A. E. Koplar. 165,010, Oct. 30.
Container and tray for table flatware, Combined. A. A. Eisenberg. 164,985, Oct. 30.
Cover, Sachet. C. Grabley. 164,988, Oct. 30.
Creamer. E. S. Zeisel. 165,042, Oct. 30.
Dress and scarf, Combined. M. Verrand. 165,035, Oct. 30.
Fender lamp housing. V. L. Neunaber. 165,019, Oct. 30.
Figurine. C. G. Heinrich. 164,992, Oct. 30.
Fire extinguisher. E. P. Van Sciver. 165,034, Oct. 30.
Fire-extinguishing foam producing unit. L. E. Mitchison. 165,018, Oct. 30.
Fryer, Electric deep fat. S. J. Budlane and R. Dusek. 164,982, Oct. 30.
Handle, Faucet. S. A. Young. 165,040–1, Oct. 30.
Headdress. W. E. Hedley. 164,991, Oct. 30.
Heater. E. B. Vandas. 165,032–3, Oct. 30.
Holder for index pad and memorandum sheets, Combined. M. M. Rodbell. 165,023, Oct. 30.
Holder for pad and memorandum sheets, Combined. M. M. Rodbell. 165,024–5, Oct. 30.
Hood ornament. H. F. Weissinger and W. B. Kindred. 165,037, Oct. 30.
Intercommunicating telephone master station cabinet unit. C. L. Metzler. 165,016, Oct. 30.
Intercommunicating telephone substation cabinet unit. C. L. Metzler. 165,017, Oct. 30.
Link chain for a bracelet or the like, Expansible. E. Rodrigues. 165,026, Oct. 30.
Memorandum sheet and calendar holder, Combined. M. M. Rodbell. 165,022, Oct. 30.
Motor scooter frame. C. Guzzi. 164,989, Oct. 30.
Necklace or the like. A. Katz. 164,995–165,004, Oct. 30.
Pencil, Mechanical. J. Aversa. 164,976, Oct. 30.
Plate. J. H. Reiser. 165,021, Oct. 30.
Rack or similar article, Knife-supporting. N. W. Roop. 165,027, Oct. 30.
Robe, Vestee. J. Lewis. 165,015, Oct. 30.
Room cooler of the window type. C. W. Sundberg. 165,030, Oct. 30.
Screen, Fireplace. J. B. Turner. 165,031, Oct. 30.
Skirt. J. Stephen. 165,029, Oct. 30.
Slipper, Child's. L. Leslie. 165,012–14, Oct. 30.
Spandrel panel. R. W. Haman, A. B. Girardy, and D. W. Doman. 164,990, Oct. 30.
Sterilizer for telephone mouthpiece. D. G. Jack. 164,993, Oct. 30.
Stove, Portable cooking. D. H. Bitney. 164,978, Oct. 30.
Table, Folding wall. J. R. Boggs. 164,980–1, Oct. 30.
Table leg, Adjustable. B. Dohrmann. 164,984, Oct. 30.
Tent pin. A. N. Johannesen. 164,994, Oct. 30.
Vaporizer casing and mounting bracket, Combined. I. J. Sacks. 165,028, Oct. 30.
Vaporizer, Deodorant. W. M. Crook. 164,983, Oct. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF OCTOBER, 1951

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading the interior surfaces of hollow ware. R. G. Riedesel and L. A. Martin. 2,573,220, Oct. 30.
Abrasive disk backup pad. F. De Michel. 2,573,411, Oct. 30.
Abrasive insert for rubber tires. T. W. Dunlap. 2,572,996, Oct. 30.
Accelerometer. L. D. Statham. 2,573,285, Oct. 30.
Accounting aid. F. A. Howard, Jr. 2,573,570, Oct. 30.
Accounting machine for comparing totals on two accumulators. E. J. Rabenda. 2,573,356, Oct. 30.
Acid dyeing process using alkane-sulfonic acids. A. M. Schwartz. 2,572,954, Oct. 30.
Acylation of aminosulfonic acids of dibenzothiophene. M. Scalera and W. S. Forster. 2,573,652, Oct. 30.
Adhering vinyl resin surfaces. T. C. Morris and E. C. Johnson. 2,572,877, Oct. 30.
Adjustable cam. C. W. Bryant. 2,573,638, Oct. 30.
Adjustable frequency commutator generator. H. Rosenberg. 2,573,494, Oct. 30.
Advertising device. I. E. Swart. 2,573,625, Oct. 30.
Agitator for drill hoppers. A. W. Dericks. 2,573,315, Oct. 30.
Air chuck. V. G. K. Sundt. 2,573,166, Oct. 30.
Air-cooled internal-combustion engine. J. M. Colby. 2,573,544, Oct. 30.
Air-cooling apparatus. A. S. Richardson. 2,573,491, Oct. 30.
Aircraft, Roadable. A. R. Perl. 2,573,271, Oct. 30.
Airplane crash switch. R. H. Hodgins and C. J. McGillivray. 2,573,335, Oct. 30.
Air pressure relief for enclosures. W. W. Emery. 2,573,419, Oct. 30.
Aligning and mounting binocular telescopes. J. W. French. 2,573,560, Oct. 30.
Aligning device. J. S. Maisbary. 2,572,942, Oct. 30.
Alkoxyalkyl esters of monoiodo-monoalkoxybenzoic acids. S. Archer. 2,572,828, Oct. 30.
Alkylthiosulfenyl dithiocarbamates and preparation thereof. C. M. Himel and L. O. Edmonds. 2,572,845, Oct. 30.
All-purpose auto parts cleaner. H. L. Gorden. 2,573,008, Oct. 30.
Allyl 3:5-hexadienoate and producing it. M. L. A. Fluchaire and G. Collardeau. 2,573,001, Oct. 30.
α-(mononitro-monocyclic-aryl)-β-haloethyl lower alkyl ethers. J. M. Wilkinson, G. W. Pedlow, and R. F. Kleinschmidt. 2,573,080, Oct. 30.
Aluminum coated metal articles, Producing. G. Stern. 2,573,229, Oct. 30.
Amalgam carrier. W. S. Crowell. 2,573,547, Oct. 30.
Amorphous silica, Preparing white finely divided. J. L. Porter. 2,573,057, Oct. 30.
Amplifier, Feedback. R. L. Watters. 2,573,523, Oct. 30.
Amusement ride device. E. and J. F. Mosca. 2,573,589, Oct. 30.
Antenna. A. S. Dunbar. 2,572,995, Oct. 30.
Antenna. N. E. Lindenblad. 2,573,460–1, Oct. 30.
Antenna, Louver. P. S. Carter. 2,573,401, Oct. 30.
Anticipating control. M. May. 2,573,041, Oct. 30.
Antislipping desk pad. A. L. Eshelman. 2,573,323, Oct. 30.
Apparatus and method for making connector bolts. J. Pavelka. 2,573,218, Oct. 30.
Apparatus and procedure for filling electrical capacitors and the like. F. Weiss. 2,573,123, Oct. 30.
Apparatus for color reproduction. C. W. Jacob. 2,573,143, Oct. 30.
Apparatus for dehydrating peat having a high water content. F. Gebauer. 2,573,134, Oct. 30.
Apparatus for ejecting articles from molds. E. R. Byers. 2,572,984, Oct. 30.
Apparatus for fabricating insulating members for lamp bases and the like. A. B. Scholes and O. Mann. 2,573,365, Oct. 30.
Apparatus for making edible products. M. L. Balsarini. 2,572,833, Oct. 30.
Apparatus for measuring excess reactive kilovoltampere demand. O. K. Coleman. 2,573,407, Oct. 30.
Apparatus for plasticising plastic material. G. E. Henning. 2,573,440, Oct. 30.
Apparatus for processing pickled food products. J. J. Machin. 2,573,468, Oct. 30.
Apparatus for producing pellets. H. E. Eisner. 2,572,998, Oct. 30.
Apparatus for simultaneously transporting and processing electron discharge devices, including aging the same. R. C. Eddy. 2,573,416, Oct. 30.
Apparatus for testing electrical contactors. B. A. Raetsch and J. A. Trethewey. 2,573,488, Oct. 30.
Apparatus for thermochemically cutting gears. D. A. Schrock. 2,573,653–4, Oct. 30.
Apparatus for winding. E. K. Bauer. 2,572,904, Oct. 30.
Appliance for removing and installing overhead electric lamps. C. E. Foster. 2,573,002, Oct. 30.
Applying decalcomania designs to wrinkle finishes. M. Axelrod. 2,572,967, Oct. 30.
Arc welder interrupter. A. F. Hessler, N. P. Boretti, and K. Sarafian. 2,573,020, Oct. 30.
Aromatic sulfones, Preparation of. E. C. Ladd. 2,573,580, Oct. 30.
Arrangement in rapid reclosing compressed air circuit breakers. H. Forwald. 2,573,256, Oct. 30.
Arrow-shaped slide fastener. P. Natsler and R. I. Prupis. 2,573,046, Oct. 30.
Article carrying lanyard. J. R. Strykower. 2,572,889, Oct. 30.
Article of hosiery. P. L. Thurston. 2,573,117, Oct. 30.
Artificial arm with elbow lock and selective control of forearm flexion or hook operation. J. D. Chapman and L. J. Stevenson. 2,572,914, Oct. 30.
Artificial bait casting or trolling fishing lure. S. Nickel. 2,573,592, Oct. 30.
Artificial cryolite free from silica, Preparation of. F. Sciacca and L. Notarbartolo. 2,573,282, Oct. 30.
Artificial insemination device. J. H. Coles and W. D. Davies. 2,572,987, Oct. 30.
Artificial leg and knee joint therefor. J. A. Mazzola. 2,573,347, Oct. 30.
Ash tray, Resilient openable top. S. N. Bonanos. 2,573,391, Oct. 30.
Assaying solid catalysts. C. A. Boyd and J. Hirschfelder. 2,573,245, Oct. 30.
Assembling fixture. B. P. Girard and B. A. Raetsch. 2,573,432, Oct. 30.
Attachment for converting semiautomatic firearms to full automatic. S. J. Ketterer. 2,572,872, Oct. 30.
Audio compression system. M. R. Winkler. 2,572,900, Oct. 30.
Aureotracin, a compound of aureomycin and bacitracin, Production of. H. Welch. 2,572,897, Oct. 30.
Automatic and progressive change-speed gear. J. Martin. 2,573,472, Oct. 30.
Automatic carton feeder. J. L. Ferguson. 2,573,324, Oct. 30.
Automobile clothes rack. D. B. Hennessy. 2,573,102, Oct. 30.
Automobile door handle. C. F. Kramer. 2,573,028, Oct. 30.
Automotive headlight dimming system. L. A. Vanderlip. 2,573,627, Oct. 30.
Awning, Folding metal. C. E. Mullin. 2,572,944, Oct. 30.
Awning, Trailer. G. Rauglas. 2,573,060, Oct. 30.
B-chloroethyl aminoindanes. J. F. Kerwin and G. E. Ullyot. 2,573,644, Oct. 30.
Bactericidal compositions. H. G. Guy. 2,572,855, Oct. 30.
Bag valve. M. J. Strauss. 2,573,230, Oct. 30.
Bait box. E. E. Kent. 2,573,202, Oct. 30.
Balanced plug valve. R. H. Wunn. 2,573,238, Oct. 30.
Band width indicator. J. K. Chapman. 2,573,402, Oct. 30.
Basic esters of 1-aryl-cyclopentene-(3)-1-carboxylic acids. F. Hüfiger and R. Denss. 2,573,015, Oct. 30.
Bead trimmer. E. W. Allardt. 2,573,295, Oct. 30.
Bearing: *See*—
Journal bearing.
Self-aligning bearing.
Bearing lubrication. C. N. Paden. 2,573,597, Oct. 30.
Belt, Making. J. A. Hurry. 2,573,642, Oct. 30.
Beveling machine, Sole edge. C. H. James. 2,573,025, Oct. 30.
Bifunctional carbonyl compounds from 1,4-dichlorobutane, Production of. A. L. Miller and B. H. Kress. 2,572,943, Oct. 30.
Blade magazine with sight opening. J. Muros. 2,573,671, Oct. 30.
Block for internal-combustion engines. F. J. Stuckert. 2,573,116, Oct. 30.
Board: *See*—
Display board.
Emery board.
Boiler: *See*—
Egg boiler.
Vertical fire tube steam boiler.
Bookrest. W. G. Finch. 2,573,191, Oct. 30.

Bottle cap. I. Rossi and W. Dubiller. 2,573,111, Oct. 30.
Bottle closure device. J. J. Detmel. 2,573,552, Oct. 30.
Bottle label remover. C. L. Gerlach and R. W. Marty. 2,573,169, Oct. 30.
Box: *See*—
Bait box. Wagon box.
Brace for hand luggage, Corner. J. Luft. 2,573,036, Oct. 30.
Bracelet, Expansible. H. F. Ebert. 2,573,415, Oct. 30.
Bracket: *See*—
Scaffold bracket.
Brake control system for motor vehicles. J. Weiss and A. Weiss. 2,572,962, Oct. 30.
Brake-holder control mechanism. K. A. Harmon. 2,573,196, Oct. 30.
Bridge and pickup assembly for string instruments, Combination. C. L. Fender. 2,573,254, Oct. 30.
Broiler. W. Kennedy. 2,572,870, Oct. 30.
Brush, Type cleaning. J. F. Kelley and D. H. Shattuck. 2,573,201, Oct. 30.
Bucket, Combined fish and bait. K. L. Nicodemus. 2,573,352, Oct. 30.
Bucket, Minnow. R. T. Renfro, Sr. 2,573,109, Oct. 30.
Buckle. P. W. White. 2,573,527, Oct. 30.
Burner with selective gas supply, Multichambered gas. W. Smith, Jr. 2,573,502, Oct. 30.
Bushing, Funnel guide. H. D. Haley. 2,572,927, Oct. 30.
Bushing remover. N. A. De Grand. 2,572,991, Oct. 30.
Butter forming device. R. R. Steans. 2,572,960, Oct. 30.
Cabinet: *See*—
Presetting cabinet.
Caged float flush control valve. M. P. Brown. 2,572,982, Oct. 30.
Cake lifter and preserver. G. O. Koponen. 2,573,577, Oct. 30.
Calculator for traverse tables, Rapid. L. J. Goldsmith. 2,573,194, Oct. 30.
Calibrating means for control devices. G. C. Harbison. 2,573,437, Oct. 30.
Calibration of electric circuit breakers. R. T. Casey. 2,573,301, Oct. 30.
Cam actuated pivoted jaw wrench. M. J. Feiring. 2,573,421, Oct. 30.
Cam system. J. F. Stokes. 2,573,506, Oct. 30.
Camera and viewer, Combined stereoscopic. J. C. Childs. 2,573,544, Oct. 30.
Camera apparatus for race track photography. M. O. Miller. 2,573,350, Oct. 30.
Camera for snapshot relief photography. M. Bonnet. 2,573,243, Oct. 30.
Can: *See*—
Sanitary garbage can.
Can-opening device. J. F. Frolich. 2,573,427, Oct. 30.
Canoe carrier for motor vehicles. J. P. Désilets. 2,573,181, Oct. 30.
Cap: *See*—
Bottle cap.
Can and closure, Bottle pouring. C. P. Zarlinden. 2,573,579, Oct. 30.
Cap for aerosol bomb. R. W. Svendsen. 2,573,624, Oct. 30.
Capacitative commutator. P. C. Harris. 2,573,329, Oct. 30.
Carbamic acid esters, Substituted. K. Engel and C. J. Morel. 2,573,420, Oct. 30.
Carbon by electrical discharge, Production of. D. Gardner. 2,572,801, Oct. 30.
Carboy container. H. R. Gardner. 2,573,428, Oct. 30.
Carboxypyridine sulphonic acid compounds. B. F. Duesel and J. V. Scudi. 2,573,662, Oct. 30.
Carburetor, Multiple jet. C. H. Burson. 2,573,093, Oct. 30.
Carrier: *See*—
Amalgam carrier.
Carriage for children, Foldable. L. G. Macip. 2,573,106, Oct. 30.
Carry-all vanity case. M. M. Spitalny. 2,573,620, Oct. 30.
Carton creasing and closing machine. J. Bousquet. 2,573,859, Oct. 30.
Cartridge dispenser. E. P. Fraley. 2,573,003, Oct. 30.
Cartridge for automatic guns. S. Keller and E. Keller. 2,573,661, Oct. 30.
Case: *See*—
Carry-all vanity case. Interlocking filing case.
Collapsible case. Portable filing case.
Catalytic process for the reforming of gasoline, Three-stage. L. S. Kassel. 2,573,149, Oct. 30.
Cathode glow discharge device. N. B. Wales, Jr. 2,573,573, Oct. 30.
Cathode-ray tube apparatus for producing sector scan. L. J. Haworth. 2,573,017, Oct. 30.
Cellular products comprising acrylonitrile polymers. R. H. Heiss. 2,572,931, Oct. 30.
Cement for vacuum seals, Sealing. E. J. Ambrose and E. F. G. McGill. 2,573,380, Oct. 30.
Certain polyol ethers. M. De Groote, A. F. Wirtel, and O. H. Fettingill. 2,572,885–6, Oct. 30.
Chair: *See*—
Portable nursery chair. Reclining chair.
Changeable sign. J. Dow. 2,573,218, Oct. 30.
Chemical feeder. G. H. Klumb. 2,573,576, Oct. 30.
Chimney protecting head structure. A. W. Gray, 2,573,4[illegible], Oct. 30.
Chlorinated derivatives of alpha-chloroethylbenzene, Manufacture of. E. G. Galitzenstein and C. Woolf. 2,573,394, Oct. 30.
Chuck, Fluid operated. A. E. Church. 2,573,403, Oct. 30.
Cigarette lighter and ash receiver, Combined. W. E. Jaap. 2,572,863, Oct. 30.
Cinematographic light control apparatus. L. E. Clark. 2,573,405, Oct. 30.
Circuit: *See*—
Electric sign circuit. Pulse technique circuit.
Frequency modulation circuit. Timing circuit.
Tube protection circuit.
Circuit arrangement for generating phase modulated oscillations. J. M. L. Janssen. 2,573,447, Oct. 30.
Circuit breaker, Electric. R. T. Casey. 2,573,306, Oct. 30.
Circuit for measuring voltage by oscilloscope. G. E. Chandler. 2,573,541, Oct. 30.
Circuit integrity indicating system. C. M. Hines. 2,573,442, Oct. 30.
Circuit interrupter. J. M. Wallace and E. F. Beach. 2,573,234, Oct. 30.
Clamp: *See*—
Ejector and thread clamp. Lifting clamp.
Clamp for garbage can covers. C. J. and C. B. Kallas. 2,573,450, Oct. 30.
Cleaner: *See*—
All-purpose auto parts cleaner.
Clip: *See*—
Hair curler clip.
Clock drive, Electric. P. R. Contant and R. H. Sullivan. 2,572,989, Oct. 30.
Closure. J. H. Wily. 2,572,963, Oct. 30.
Closure for nonrefillable bottles. F. H. le Sueur. 2,572,939, Oct. 30.
Cloth-holding device for buttonhole attachments. H. N. Johnson. 2,573,146, Oct. 30.
Clothes hanger and pants holder, Combined adjustable. A. Macaluso. 2,573,467, Oct. 30.
Clothespin, Double-ended. W. Wilks. 2,573,125, Oct. 30.
Clutch: *See*—
Safety clutch.
Clutch and brake, Magnetic fluid. V. J. Salemme. 2,573,065, Oct. 30.
Clutch mechanism, Multiple. C. Gerst. 2,573,135, Oct. 30.
Coal gasification process and apparatus. R. G. Atkinson. 2,572,829, Oct. 30.
Coal handling system. P. L. Bets and S. Karrer. 2,573,535, Oct. 30.
Coated metal mold for blowing glass and preparing the same. J. F. Hyde. 2,573,337, Oct. 30.
Coating device, Liquid. R. H. Parker. 2,573,052, Oct. 30.
Coating machine, Can end. S. R. Johnson and R. M. Mero. 2,573,338, Oct. 30.
Coaxial line coupler. G. H. Baker and P. H. Smith. 2,572,970, Oct. 30.
Coffee filter. F. R. Chester. 2,573,246, Oct. 30.
Coffee maker, Interchangeable glass and metal vacuum. A. C. Wilcox. 2,573,237, Oct. 30.
Coin-operated dispensing pump. P. M. Schneckenburger. 2,573,112, Oct. 30.
Cold bonding plasticized resin sheets to other surfaces. T. C. Morris and E. C. Johnson. 2,572,879, Oct. 30.
Cold frame. J. L. Writesel. 2,573,084, Oct. 30.
Collapsible case. G. Armenia. 2,573,069, Oct. 30.
Collet. H. D. Fowlie. 2,573,325, Oct. 30.
Colloid layers, Production of colored. R. B. Collins, H. D. Edwards, and O. E. Pratt. 2,572,988, Oct. 30.
Color ornamented asbestos-cement sheets, Making. E. M. Bollaert. 2,573,659, Oct. 30.
Combination key seat remover and vibration distributor for well drilling. J. McClinton. 2,572,889, Oct. 30.
Combination of card controlled machines. J. E. Dayger, O. B. Shafer, and A. E. Gray. 2,573,312, Oct. 30.
Combined automatic fuel conditioner with steam injection. H. G. Blumberg and E. M. Stevens. 2,573,241, Oct. 30.
Combined fluid-pressure and manually operated valve. J. P. Conlan. 2,573,408, Oct. 30.
Combined shock absorbing and motor vehicle spring suspension arrangement. R. Torres. 2,573,119, Oct. 30.
Communication system. W. M. Bacon. 2,572,831, Oct. 30.
Commutator. A. H. Dickinson. 2,573,316, Oct. 30.
Compartment lock. F. E. Raymond. 2,573,061, Oct. 30.
Compensated plan position indicator. W. A. Higinbotham. 2,573,021, Oct. 30.
Composition comprising 2-aliphatic-3-hydroxy-1,4-naphthoquinone and controlling mites and aphids. M. Paulshock. 2,572,946, Oct. 30.
Compression link for tractor hitches. O. G. Romig. 2,573,221, Oct. 30.
Computer, Electrical. J. E. Taylor. 2,573,626, Oct. 30.
Computing device for photographic color printing processes of masking type. A. Simmon. 2,573,113, Oct. 30.
Computing machine, Time. N. O. Bergquist. 2,573,385, Oct. 30.
Conducting ion exchange operations, Method and apparatus for continuously. E. B. Fitch. 2,572,848, Oct. 30.
Connecting rod joint. G. I. Danly and V. Georgeff. 2,573,549, Oct. 30.
Consecutive blank column detector. C. R. Doty. 2,573,317, Oct. 30.

Container: *See*—
Carboy container. Foil container.
Fishing tackle container. Pump container.
Container for bottles, Insulated. M. Goldwater. 2,573,259, Oct. 30.
Container with mechanism for agitating contents thereof. C. B. Mahan and H. B. McDill. 2,573,470, Oct. 30.
Continuous extractor. D. M. McBean. 2,573,585, Oct. 30.
Continuously variable high-voltage power supply. L. M. Schmidt. 2,573,280, Oct. 30.
Continuously variable speed-ratio transmission mechanism and in speed governing means. J. J. Gerritsen. 2,573,258, Oct. 30.
Control device for heat exchange systems. W. L. Hand. 2,573,663, Oct. 30.
Control element for plural hydraulic motor systems. E. Berger. 2,572,974, Oct. 30.
Control mechanism. W. T. Morris. 2,573,044, Oct. 30.
Control valve. C. A. Rider. 2,572,950, Oct. 30.
Conversion of hydrocarbons in the presence of cracking catalyst containing barium peroxide. L. E. Olson. 2,573,481, Oct. 30.
Conveyer, Chain. L. K. Hitz. 2,573,334, Oct. 30.
Conveyer, Sectional. H. C. Pollitz. 2,573,486, Oct. 30.
Cooling unit supporting structure. K. G. Borén. 2,572,836, Oct. 30.
Copy strip retaining and feeding means for optical projector apparatus. P. M. Field. 2,573,557, Oct. 30.
Cord reel or holder. W. G. Wilson. 2,573,636, Oct. 30.
Cord tensioner, Automatic electric. A. C. Hallberg. 2,572,856, Oct. 30.
Corn and callus trimmer. C. L. Potvin. 2,573,487, Oct. 30.
Coupling: *See*—
Hydraulic variable coupling. slip Pipe coupling.
Cover for outlet boxes, Temporary. C. J. Gorman. 2,573,260, Oct. 30.
Crankshaft bearing assembly. E. K. Johansen. 2,573,574, Oct. 30.
Cream remover. G. Severud. 2,573,500, Oct. 30.
Crimped artificial filaments, Making. M. P. Kulp and W. A. Sisson. 2,572,936, Oct. 30.
Cross thread laying apparatus. L. Schwartz and M. S. Mansson. 2,573,614, Oct. 30.
Crystal contact device. R. W. Douglas and E. G. James. 2,572,993, Oct. 30.
Cupric ammonium arsenite solutions, Preparing. E. Farber. 2,573,252, Oct. 30.
Cupric ammonium borate solutions, Producing. E. Farber. 2,573,253, Oct. 30.
Curler, Hair. M. L. Lewis. 2,573,033, Oct. 30.
Curling device, Hair. A. D., Robert A., and Raymond A. Kutsler. 2,573,456, Oct. 30.
Curtain construction, Cable operated. Y. W. Ehret. 2,572,847, Oct. 30.
Curtain rod. O. N. Whitehead. 2,573,078, Oct. 30.
Curtain stretcher. W. H. Bothe. 2,572,979, Oct. 30.
Cutter: *See*—
Pipe cutter. Tubular rotary cutter.
Cutter-bar actuating mechanism. P. E. Scharf. 2,573,068, Oct. 30.
Cutter for multiple shuttle looms, Loop. H. E. Littlejohn. 2,573,034, Oct. 30.
Cutting device. E. F. Arnold. 2,573,381, Oct. 30.
Cyclone. F. J. Fontein. 2,573,192, Oct. 30.
Damping means for railway trucks. J. C. Settles. 2,573,165, Oct. 30.
Deceleration signal. R. P. McNerney. 2,573,479, Oct. 30.
Deep well pump. A. G. Bodine, Jr. 2,572,977, Oct. 30.
Deribering apparatus. A. F. Ernst. 2,573,321–2, Oct. 30.
Deflection system for cathode-ray tubes. R. G. E. Hutter. 2,572,861, Oct. 30.
Deflector for cupolas. J. N. Richardson. 2,573,492, Oct. 30.
Demonstrator. E. Rheinfrank. 2,573,490, Oct. 30.
Dephlegmating vapors. W. T. Whatley. 2,573,633, Oct. 30.
Detachable vehicle wheel. W. R. Whitehead. 2,573,079, Oct. 30.
Device for hoisting and lowering barrels, etc. A. F. Natoli. 2,573,216, Oct. 30.
Device for picking up messages from moving trains and the like. W. J. Aults. 2,573,298, Oct. 30.
Device for use in assembling parts of fabrics. R. N. Youngblood and E. W. Errick. 2,573,087, Oct. 30.
Device in dishwashing machine for recovering silverware and the like. M. Cavicchioli. 2,573,128, Oct. 30.
Diazoamino compounds. J. J. Denton and R. S. Long. 2,572,916, Oct. 30.
Dichloropyrazines and preparing same. A. A. Miller. 2,573,268, Oct. 30.
Diluting rosin size, Method and apparatus for. E. A. Howell. 2,573,024, Oct. 30.
Dishwashing apparatus. J. G. Idle. 2,572,935, Oct. 30.
Dishwashing machine. S. C. G. Sandberg. 2,573,067, Oct. 30.
Dispenser: *See*—
Cartridge dispenser.
Display board. S. R. Wirth. 2,573,376, Oct. 30.
Diversity system. T. T. N. Bucher. 2,572,912, Oct. 30.
Dolly for canister type cleaners. J. L. Yonkers. 2,573,085, Oct. 30.
Door: *See*—
Fire door. Overhead garage door.
Domestic appliance. W. C. Crimmins. 2,573,409, Oct. 30.
Dough blender. E. L. Dennis. 2,573,550, Oct. 30.
Dress shield. L. V. Madsen. 2,573,346, Oct. 30.
Drier: *See*—
Sack clothes drier.
Drill: *See*—
Rock drill.
Drip molding and mounting bracket for automobile visors, Combination. W. A. Maher. 2,573,039, Oct. 30.
Drive for machine tools, Reciprocatory. E. Y. Seborg. 2,573,368, Oct. 30.
Drive shaft bushing assembly. T. C. Gerner. 2,573,138, Oct. 30.
Dryer-heater. R. R. Hutcheson. 2,573,445, Oct. 30.
Dual hopper trap. R. Linington. 2,573,463, Oct. 30.
Dyeing machine. F. C. Neu. 2,573,047, Oct. 30.
Dynamoelectric machine utilizing a single cooling fan, Totally enclosed. S. Beckwith. 2,573,383, Oct. 30.
Egg boiler. F. E. Hummel. 2,572,934, Oct. 30.
Ejector and thread clamp. W. Schweiter. 2,573,367, Oct. 30.
Elastic fluid turbine. E. G. Sterland. 2,573,621, Oct. 30.
Electric discharge device. D. L. Smart. 2,573,618–19, Oct. 30.
Electric sign circuit. T. R. Welch. 2,573,076, Oct. 30.
Electric snap switch. E. A. Miller. 2,573,588, Oct. 30.
Electric welding system. I. W. Cox and J. B. Welch. 2,573,094, Oct. 30.
Electric well logging system. W. J. Greer. 2,573,137, Oct. 30.
Electrically heated bed and control device. L. B. Koontz. 2,573,455, Oct. 30.
Electroacoustic transducer set. J. L. Hathaway and W. Hotine. 2,573,438, Oct. 30.
Electrolytic treatment of slide fasteners, Method and apparatus for. C. C. Cohn. 2,572,838, Oct. 30.
Electromagnet with moving coil armature, Polarized. A. B. Chudyk. 2,573,183, Oct. 30.
Electron gun for cathode-ray tubes. C. S. Szegho. 2,573,287, Oct. 30.
Electron optical system. S. W. Harrison. 2,572,858, Oct. 30.
Electronic level control. J. A. Long. 2,573,035, Oct. 30.
Elevating roundabout. E. C. Hall. 2,572,859, Oct. 30.
Eliminating higher-boiling-point impurities prior to rectification of a gas mixture, Process and apparatus for. R. W. Houvener. 2,572,933, Oct. 30.
Emery board. S. T. Collier. 2,573,310, Oct. 30.
Endgate construction. R. H. Breitbarth. 2,573,395, Oct. 30.
End hardening of rails. A. C. Chamberlin and R. M. Weigle. 2,573,308, Oct. 30.
Engine: *See*—
Air-cooled internal-combustion engine.
Engine detonation control by acoustic methods and apparatus. A. G. Bodine, Jr. 2,573,536, Oct. 30.
Engine pressure regulator. C. H. Jorgensen and L. C. Dermond. 2,572,865, Oct. 30.
Envelope. J. A. Russo. 2,573,610, Oct. 30.
Ethylene, Production of. L. Kniel. 2,573,341, Oct. 30.
Evaporation apparatus. H. E. Reinhardt. 2,573,672, Oct. 30.
Exposure apparatus for contact printing. P. H. Heldens. 2,572,930, Oct. 30.
Extracting magnesia from aqueous solution containing magnesium salts decomposable by lime and alkalies. J. C. Séailles. 2,573,616, Oct. 30.
Extractor: *See*—
Continuous extractor.
Extruding plastic rods having a spiral design. C. D. Orsini. 2,573,050, Oct. 30.
Facsimile transmitting means and using same. B. L. Kline. 2,572,871, Oct. 30.
Fastener: *See*—
Arrow-shaped slide fastener. Venetian blind rail and tape fastener.
Releasing end stop non-separable slide fastener.
Faucet. R. R. Curtis. 2,572,990, Oct. 30.
Feeder: *See*—
Automatic carton feeder. Chemical feeder.
Fence, Picket. R. W. Barrett. 2,573,239, Oct. 30.
Film editing equipment. W. G. Haddrell. 2,573,013, Oct. 30.
Film editing kit. W. G. Haddrell. 2,573,014, Oct. 30.
Filter: *See*—
Coffee filter.
Fire door. A. O. Norman. 2,573,160, Oct. 30.
Fire extinguisher. L. E. Eckelmann. 2,573,320, Oct. 30.
Fishhook and live bait holder, Combined. C. A. Herrick. 2,573,018, Oct. 30.
Fish lure. K. E. Cannon. 2,573,399, Oct. 30.
Fishing device, Automatic. S. Ramirez. 2,573,357, Oct. 30.
Fishing lure. J. H. Murphy. 2,573,215, Oct. 30.
Fishing pole holder. R. M. Williams. 2,573,635, Oct. 30.
Fishing pole rest. J. R. Lawson. 2,572,937, Oct. 30.
Fishing reel. B. E. Berlinger. 2,573,240, Oct. 30.
Fishing reel. E. J. von Pein. 2,573,074, Oct. 30.
Fishing rod guide. H. Marke. 2,573,647, Oct. 30.
Fishing tackle container. G. Gibson. 2,573,431, Oct. 30.

Flexible rotary-hammer unit. W. F. Sheeley. 2,573,227, Oct. 30.
Floating power head. T. A. Saari. 2,572,953, Oct. 30.
Floral display stand. K. F. Wagler. 2,573,372, Oct. 30.
Flotation apparatus. W. A. Wasley and J. C. MacIntosh. 2,573,520-1, Oct. 30.
Flow control and pressure regulating device. D. B. Gardiner. 2,573,563, Oct. 30.
Flow-measuring device. V. Gentile, Jr. 2,573,430, Oct. 30.
Flue construction, Prefabricated. R. O. Gunderson. 2,573,195, Oct. 30.
Fluid control valve. M. E. Snoddy. 2,573,369, Oct. 30.
Fluorochloromethanes, Manufacture of. J. D. Calfee and L. B. Smith. 2,572,913, Oct. 30.
Focus reducer and copying camera, Automatic. R. H. Doornbos. 2,572,902, Oct. 30.
Foil container. S. M. Weisberg, E. H. Paulsen and H. Silbermann. 2,573,524, Oct. 30.
Folding electric steam iron. A. Bate. 2,573,174, Oct. 30.
Follower for filing compartments. H. W. Regenhardt and G. M. Beno. 2,573,603, Oct. 30.
Food preserving and cooking device. R. M. Shaw, Jr. 2,572,829, Oct. 30.
Food product. P. J. Clough, R. S. Morse, E. G. Hellier, and R. A. Stauffer. 2,573,406, Oct. 30.
Foot support. H. E. Hippe and E. J. Kupjack. 2,572,860, Oct. 30.
Forced air flow air-heating furnace. A. W. Ruff. 2,573,651, Oct. 30.
Form binding machine. I. Scheinker. 2,573,612, Oct. 30.
Formaldehyde-dicyandiamide polyhydroxy-propylene-polyamine reaction product. A. Rheiner and H. M. Hemmi. 2,573,459, Oct. 30.
Forming containers. J. Geier. 2,573,429, Oct. 30.
Forward and reverse drive for lathe spindles. L. A. Leifer. 2,573,152, Oct. 30.
Frame: *See*—
Cold frame.
Frame and trunk selection. R. E. Hersey. 2,573,569, Oct. 30.
Frequency divider. L. Y. Lacy. 2,573,150, Oct. 30.
Frequency modulation circuit. J. A. Rankin, W. R. Alexander, and H. B. Deal. 2,573,274, Oct. 30.
Front end assembly for tractors. G. May. 2,573,040, Oct. 30.
Front mounted lamp holder. W. R. Young. 2,573,529, Oct. 30.
Fruit concentrates, Preparation of full flavored. R. P. Homiller and N. H. Eisenhardt. 2,572,846, Oct. 30.
Fuel composition. A. E. Lacomble. 2,573,579, Oct. 30.
Fuel injector. E. P. Larsh. 2,573,344, Oct. 30.
Fugitive line mechanism for typwriting and accounting machines. O. J. Sundstrand. 2,573,508, Oct. 30.
Fume exhaust manifold. W. van Guilder. 2,573,290, Oct. 30.
Fur cutting apparatus. E. E. Yost. 2,573,292, Oct. 30.
Furnace: *See*—
Forced air flow air-heating furnace.
Furnace brick. F. O. Kelts. 2,573,264, Oct. 30.
Furnace with liquid heat transfer means, Air-heating. J. E. Scharff. 2,573,364, Oct. 30.
Fuse link. E. H. Yonkers. 2,572,901, Oct. 30.
Fuseless circuit opening device. G. F. Lincks and S. R. Smith, Jr. 2,573,458, Oct. 30.
Galvanizing machine. C. E. Brownell. 2,573,660, Oct. 30.
Game apparatus, Football. V. de Palma. 2,573,314, Oct. 30.
Garment, Animal. R. M. Low. 2,573,154, Oct. 30.
Garment construction, Lady's. T. I. Cooper. 2,573,545, Oct. 30.
Garment hanger. L. W. Walker. 2,573,167, Oct. 30.
Garment hanger support. K. E. Meadows. 2,573,348, Oct. 30.
Garment, Hot work. K. L. Dunn. 2,573,414, Oct. 30.
Gas analyser. A. O. C. Nier. 2,573,649, Oct. 30.
Gas burner head, Slotted outlet. R. C. Jaye. 2,573,144, Oct. 30.
Gas depolarized cell. C. R. Fisher, G. W. Heise, and E. A. Schumacher. 2,572,918, Oct. 30.
Gas detector. A. Blanchard. 2,573,390, Oct. 30.
Gas pressure regulator. D. M. Brooks. 2,573,180, Oct. 30.
Gas turbine plant with controller of stage by-pass in turbo compressor auxiliary. W. Traupel. 2,573,289, Oct. 30.
Gauge: *See*—
Self-aligning bore gauge.
Gauge and operation, Ionization. N. D. Glyptis. 2,573,005, Oct. 30.
Gauge for magnetic material, Thickness. I. R. Brenholdt. 2,572,908, Oct. 30.
Gauge for winding machines, Automatic stop. C. W. Galen. 2,572,854, Oct. 30.
Gear: *See*—
Automatic and progressive change-speed gear.
Gemstone machine. E. P. van Leuven. 2,573,371, Oct. 30.
Generator: *See*—
Adjustable frequency commutator generator.
Pulse generator.
Glass for embedding zinc sulfide phosphors. W. J. Hushley. 2,573,200, Oct. 30.
Glass forming apparatus. A. A. Beaumariage, W. R. Wisner, and S. M. Dockerty 2,573,300, Oct 30
Golf driving mat and tee. G. E. Morgan. 2,573,107, Oct. 30.
Grab unit. R. G. Le Tourneau. 2,573,667, Oct. 30.
Grinder attachment for electrical food mixers. H. Wolbaum. 2,573,377, Oct. 30.
Grinder, Portable automatic-tension. A. B. Skromme. 2,573,501, Oct. 30.
Guard for resetting mechanisms of combination locks. O. H. Eiffert and H. S. Thomas, Jr. 2,573,189, Oct. 30.
Guard plate for slicing machines. C. Klingens and H. Thomas. 2,573,629, Oct. 30.
Hair curler clip. I. I. Leon. 2,573,582, Oct. 30,
Hand loom. G. L. Phelps. 2,573,484, Oct. 30.
Handle: *See*—
Automotive door handle.
Handle construction for dispensing valves. B. Minovits. 2,573,042, Oct. 30.
Hanger: *See*—
Garment hanger.
Hanger for automobiles, Clothes. K. A. Richey. 2,573,275, Oct. 30.
Hanger of the folding type, Garment. C. F. Stoneburner. 2,573,622, Oct. 30.
Harvester, Fruit. T. F. Madsen. 2,573,210, Oct. 30.
Hat, Foldable lady's. J. Goldstein. 2,573,564, Oct. 30.
Headrest attachment for back rests, Adjustable. F. de Mier, Sr. 2,573,186, Oct. 30.
Hearing aid support. G. W. French. 2,573,132, Oct. 30.
Heat exchanger. A. O. Tadewald. 2,573,161, Oct. 30.
Heat exchanger conduit having internal fins. J. W. Brown, Jr. 2,573,538, Oct. 30.
Heat radiator and radiating heat. R. F. Wandelt. 2,573,120, Oct. 30.
Heating and drying device, Radiant. R. F. Wandelt. 2,573,121, Oct. 30.
Heating and ventilating system. J. Stein. 2,572,888, Oct. 30.
Heating unit, Hot-air. J. C. Frank. 2,573,004, Oct. 30.
Helicopter rotor control. H. D. Harby. 2,573,016, Oct. 30.
Heterodyne frequency converter. L. Riebman. 2,572,880, Oct. 30.
Hinge, cover support, and check, Combined. J. J. Ender. 2,573,096, Oct. 30.
Hinge mechanism for overhead doors. W. G. Bowsher. 2,573,178, Oct. 30.
Hoist, Portable. J. C. Richardson and D. W. Soderberg. 2,573,604, Oct. 30.
Holder: *See*—
Fishing pole holder.
Front mounted lamp holder.
Memo pad holder.
Photographic holder.
Writing pad holder.
Holder for lipsticks and the like cosmetic material. A. A. Klippert. 2,573,452, Oct. 30.
Holder for milling machine dividing heads, Extended collet. J. W. Serafin. 2,572, 890, Oct. 30.
Holder for sheets. B. K. Slonneger. 2,573,114, Oct. 30.
Hood for reflex cameras, Sun. T. A. Devine. 2,572,915, Oct. 30.
Hot and cold water control valve. D. B. Redward. 2,573,062, Oct. 30.
Humidifier, Air. W. E. Muth and R. G. Naylor. 2,573,158, Oct. 30.
Hydraulic feeding mechanism. H. Ernst and A. H. Dall. 2,573,098, Oct. 30.
Hydraulic variable slip coupling. G. W. Ball. 2,572,834, Oct. 30.
Hydrolysis of acetylaminonitrothiazole. G. W. Steahly. 2,573,656, Oct. 30.
Hydroxyalkyl fluorenyl amines. G. Rieveschl, Jr. 2,573,607, Oct. 30.
Ignition control. J. J. Mascuch and M. F. Peters. 2,573,473, Oct. 30.
Impeller assembly for dishwashing machines. S. G. Burt-Wells. 2,572,983, Oct. 30.
Impregnating composition for insulating materials. R. E. Berringer. 2,572,906, Oct. 30.
Improving lubricating oil by adsorption on silica gel. I. P. Jones. 2,572,866, Oct. 30.
Increasing the deviation of frequency modulated oscillations. A. Špaček. 2,572,958, Oct. 30.
Index or register, Telephone-address. H. A. Bauer. 2,573,534, Oct. 30.
Indexing mechanism for machine tools. E. W. Brinkman. 2,572,909, Oct. 30.
Indicating means, Wire grip. R. R. Lockhart. 2,572,940, Oct. 30.
Indicator: *See*—
Band width indicator.
Compensated plan position indicator.
Marine speed indicator.
Nontumbling gyroscopic directional indicator.
Offset contact alignment indicator.
Indicator for boring machines, Digging depth. G. H. Connors. 2,573,640, Oct. 30.
Induction motor. W. T. Seitz. 2,573,283, Oct. 30.

Inductive stirring. L. Dreyfus and K. E. Eriksson. 2,573,319, Oct. 30.
Inertia operated control device. C. W. Berkoben and R. J. Bush. 2,573,386, Oct. 30.
Inertia operated control device. R. J. Bush. 2,573,387, Oct. 30.
Inertia switch. J. P. Holman. 2,573,199, Oct. 30.
Inflatable articles, Making. E. A. Robinson. 2,573,609, Oct. 30.
Injector. V. J. Bast. 2,573,299, Oct. 30.
Inking mechanism. R. H. Holmwood. 2,573,336, Oct. 30.
Insect repellents. M. Gates. 2,572,852, Oct. 30.
Insecticidal composition comprising nicotine sulfate and 4,4'-dichlorodiphenyl sulfide. C. F. Woodward and E. L. Mayer. 2,572,898, Oct. 30.
Instrument, Eye testing. F. D. Costenbader and W. W. Hall. 2,573,546, Oct. 30.
Instrument, Navigation. C. Granqvist. 2,573,435, Oct. 30.
Instrument, Strain gauge measurement. L. D. Statham and C. J. Baker. 2,573,286, Oct. 30.
Insulation of generator windings. G. L. Moses. 2,573,670, Oct. 30.
Intake manifold for internal-combustion engines. M. H. Ellis. 2,573,095, Oct. 30.
Interlocking filing case. H. W. Regenhardt. 2,573,602, Oct. 30.
Internally applied expanding friction-grip wrench. R. R. Gossard. 2,573,327, Oct. 30.
Iron: *See*—
Folding electric steam iron.
Ironing board with clothes rack. W. D. Pollard. 2,572,883, Oct. 30.
Isolation of sterols. W. Lange and R. G. Folsenlogen. 2,573,265, Oct. 30.
Jar assembly, Safety sub. K. E. Waggener. 2,572,895, Oct. 30.
Jogging machine. I. Scheinker. 2,573,164, Oct. 30.
Joint: *See*—
Connecting rod joint.
Journal bearing. F. Noe. 2,573,159, Oct. 30.
Knife, Fisherman's. F. F. Rathmell. 2,573,601, Oct. 30.
Knitting machine, Circular. P. L. Thurston. 2,573,118, Oct. 30.
Lactams by rearrangement of cyclic ketoximes, Producing. O. Wichterle. 2,573,374, Oct. 30.
Lamp: *See*—
Telephone dial lamp.
Lamp socket for elongated tubular lamps. H. L. Goebel. 2,573,007, Oct. 30.
Lathe. H. Hansen. 2,573,101, Oct. 30.
Lens chuck. E. M. Long and J. F. McCarthy. 2,573,668, Oct. 30.
Leveling mechanism, Tractor seat. T. Brown. 2,572,910, Oct. 30.
Lever type tire bead loosening tool. E. J. Verdick and J. L. White. 2,573,233, Oct. 30.
Lifting clamp. S. Robson. 2,573,064, Oct. 30.
Light stabilizer and regulator system. R. J. Dwyer. 2,573,554, Oct. 30.
Linear polymeric alpha-amino carboxylic acid polyamides from spiro-N-carboanhydrides. R. N. MacDonald. 2,572,843, Oct. 30.
Liquid clarifier. W. C. Bauer. 2,572,971, Oct. 30.
Liquid discharge mechanism. M. S. Lipman. 2,573,207, Oct. 30.
Liquid level control for jig elevator casings. B. M. Bird. 2,573,389, Oct. 30.
Liquid manure spreader. J. H. Brodie. 2,573,179, Oct. 30.
Lister attachment. C. F. Schumacher. 2,573,281, Oct. 30.
Load discharging unit for vehicles. R. G. Le Tourneau. 2,573,584, Oct. 30.
Loader for refuse collecting trucks. E. C. C. Miller. 2,573,269-70, Oct. 30.
Lock: *See*—
Compartment lock.
Thread lock.
Lock construction for metal tables, Leg. B. B. Bronstein. 2,573,304, Oct. 30.
Lock construction means for metal tables, Leg. B. B. Bronstein. 2,573,305, Oct. 30.
Lock mechanism, Elbow. J. H. Lambert. 2,573,032, Oct. 30.
Lock washer. K. L. Shafer. 2,573,226, Oct. 30.
Locking construction for paperboard containers, Corner. R. E. Acker. 2,573,379, Oct. 30.
Loom: *See*—
Hand loom.
Loom picker. I. H. Porth. 2,573,273, Oct. 30.
Loom shuttle. J. J. Kaufmann, Jr. 2,573,666, Oct. 30.
Lower alkyl and alkenyl N-(1-napthyl methyl) N-hydroxyethyl amines. G. Rieveschl, Jr. and W. R. Coleman. 2,573,606, Oct. 30.
Lubricant composition containing dialkyl trihaloalkane phosphonate as an extreme pressure agent. D. Harman and R. E. Thorpe. 2,573,568, Oct. 30.
Lubricated plug valve. A. S. Volpin. 2,572,894, Oct. 30.
Luminescent screens, Making. S. Pakswer and A. W. Schmidt. 2,573,051, Oct. 30.
Machine for drilling and studding brushes. A. Walther. 2,573,519, Oct. 30.
Machine for molding concrete blocks. F. T. Appleby. 2,572,830, Oct. 30.
Machine for successively cleaning both sides of centrifugal separator disks. C. H. Abbott. 2,573,173, Oct. 30.
Machine for trimming and removing braid from shielded wire and cable. J. C. Rupert. 2,573,497, Oct. 30.
Machine or apparatus for straightening metal rods, bars, and the like. A. Macbeth. 2,573,669, Oct. 30.
Magnesium bisulphite cooking liquor, Preparing. S. E. Hazelquist. 2,572,929, Oct. 30.
Manufacture for slide fasteners. A. G. Wery. 2,573,171, Oct. 30.
Marine speed indicator. A. Urfer. 2,573,515, Oct. 30.
Mask for protecting dresses. D. Bouffard. 2,573,537, Oct. 30.
Mast structure, Folding. H. J. Woolslayer, C. Jenkins and C. D. Iddings. 2,573,528, Oct. 30.
Material edgestitcher guide mechanism for use with the presser foot of sewing machines. P. C. Wiegandt. 2,573,170, Oct. 30.
Measuring strong alpha emitters, Method and apparatus for. E. G. Segrè. 2,573,069, Oct. 30.
Mechanism for moving pans in dough cutters. E. Haecks. 2,573,100, Oct. 30.
Memo pad holder. G. B. Miller. 2,573,157, Oct. 30.
Metal-organic compounds, Preparation of. H. M. Olson. 2,573,049, Oct. 30.
Metatarsal pad. H. H. Ruddick. 2,573,363, Oct. 30.
Methine dyestuffs, Making. H. D. Edwards. 2,573,555, Oct. 30.
Method and machine having application in pupillography. O. Lowenstein, I. Loewenfeld, and E. Klapper. 2,573,464, Oct. 30.
Micrometer with magnetic V jaw. W. E. Elliott. 2,572,999, Oct. 30.
Mill: *See*—
Rolling mill.
Mirror support. S. T. Holland. 2,573,443, Oct. 30.
Mixing machine, Beverage. J. Kantor. 2,573,339, Oct. 30.
Mixing machine, Portable. P. Arant. 2,573,296, Oct. 30.
Mobile vacuum stripper for carding machines. M. S. Fain. 2,573,556, Oct. 30.
Mold for manufacturing and curing transmission belts. J. A. Hurry. 2,573,643, Oct. 30.
Molding a cosmetic. H. Heinrich. 2,573,141, Oct. 30.
Monitor for filamentary material. R. M. Brink. 2,572,837, Oct. 30.
Mop, Reversible. F. K. Bogan. 2,572,978, Oct. 30.
Mortar sight bracket and sight. E. C. Roberts and G. B. Davis, Jr. 2,572,882, Oct. 30.
Motion transmitting device. H. H. Laucks. 2,573,457, Oct. 30.
Motor: *See*—
Induction motor.
Submersible electric motor.
Motor analyser. W. W. Logan. 2,573,208, Oct. 30.
Motor operable by liquid propellants and operating it, Reaction. F. J. Malina and J. W. Parsons. 2,573,471, Oct. 30.
Motor turntable drive, Plural. M. M. Gruber. 2,573,011, Oct. 30.
Mount for electron discharge devices. D. G. Burnside. 2,573,397, Oct. 30.
Mounting for cameras. L. P. C. J. Dudley. 2,572,994, Oct. 30.
Mounting for optical observation instruments, Vibration damping. J. W. French, J. M. Strang, and C. D. Macgill. 2,572,919, Oct. 30.
Mounting for rocket launchers. C. D. Graham. 2,573,434, Oct. 30.
Mounting for sliding doors. A. E. Whittit. 2,573,236, Oct. 30.
Muffler containing inner and outer end walls and longitudinal chambers. J. P. Marx. 2,573,474, Oct. 30.
Multiple releasable interlocking mechanism for circuit breakers. E. A. Pifke. 2,573,485, Oct. 30.
Multivibrator, Variable frequency. W. J. Poch. 2,573,354, Oct. 30.
N-carboanhydride of 2-amino-4,6,6-trimethylheptanoic acid and polymers therefrom. R. N. MacDonald. 2,572,842, Oct. 30.
N-fluorenyl N-alkyl β-haloalkyl amines. G. Rieveschl, Jr. 2,573,608, Oct. 30.
N-hydroxyethyl aminoindanes. J. F. Kerwin and G. E. Ullyot. 2,573,645, Oct. 30.
N-mono substituted imidic compounds, Producing. J. J. Ritter. 2,573,673, Oct. 30.
Nailer section. W. L. Leedy. 2,573,345, Oct. 30.
Nailing machine. A. A. Cavanaugh. 2,573,540, Oct. 30.
Needle actuating mechanism for straight knitting machines. A. Friedmann. 2,573,131, Oct. 30.
Neutralization of the mineral acid salts of aminonitrothiazole. H. L. Hubbard. 2,573,641, Oct. 30.
Neutralization of the mineral acid salts of aminonitrothiazole. G. W. Steahly. 2,573,657, Oct. 30.
Nontumbling gyroscopic directional indicator. J. S. Adkins and J. J. Hart. 2,572,827, Oct. 30.
Nordesoxycorticosterone esters. M. R. Ehrenstein. 2,573,417, Oct. 30.
Noretiocholenic acids and process. M. R. Ehrenstein. 2,573,418, Oct. 30.
Offset contact alignment indicator. E. A. Arp. 2,573,531, Oct. 30.

Oil control device for rocker arms. J. R. Winter, Jr. 2,573,092, Oct. 30.
Oil pressure regulator. L. S. McIntosh. 2,573,477, Oct. 30.
Oil seal. T. R. Nelson. 2,573,591, Oct. 30.
Opener, Can. A. Carp. 2,573,400, Oct. 30.
Opener, Can. M. J. La Forte. 2,573,030–1, Oct. 30.
Operating means for greenhouse ventilating panels. A. B. Kleinhans. 2,573,340, Oct. 30.
Operation control means. H. Gang. 2,572,920–1, Oct. 30.
Operation control means for calculating machines. W. Homan. 2,573,022, Oct. 30.
Optical lens aligner. A. E. Polinske. 2,573,056, Oct. 30.
Organo-silicon derivatives, Production of. A. F. Bidaud and P. Dumont. 2,573,302, Oct. 30.
Oscillator. H. R. Shaw. 2,573,294, Oct. 30.
Overhead garage door. J. H. Burr. 2,573,181, Oct. 30.
Overlapping header for radio tubes. R. F. Doran. 2,573,553 Oct. 30.
Oxidation of oleic acid. D. Swern and H. B. Knight. 2,572,892 Oct. 30.
Oxidising fatty materials. H. O. Renner. 2,573,358, Oct. 30.
Packaging tacky isobutylene-diolefin rubber in film of compatible styrene-isobutylene copolymer. W. J. Sparks, F. P. Baldwin, and R. G. Newberg. 2,572,959, Oct. 30.
Pad: *See*—
Abrasive disk backup pad. Metatarsal pad.
Antislipping desk pad.
Paint composition and preparing same. R. E. Madison. 2,573,035, Oct. 30.
Panel construction and mounting, Transparent. P. Pevney. 2,572,947, Oct. 30.
Parking system, Vehicle. J. T. McGraw. 2,573,587, Oct. 30.
Patterned embossed glass, The manufacture of. A. J. Verheggen. 2,573,518, Oct. 30.
Pen, Play. N. W. White. 2,573,526, Oct. 30.
Phonograph tone-arm actuator. T. F. Hannigan. 2,573,334, Oct. 30.
Photographic apparatus. W. Rowe and C. M. Adler. 2,573,275, Oct. 30.
Photographic developer containing thallium salts. J. E. Bates. 2,572,903, Oct. 30.
Photographic element and process utilising antibronsing agents. J. D. Kendall and D. J. Fry. 2,573,027, Oct. 30.
Photographic holder. M. Schwartz and W. Castedello. 2,573,654, Oct. 30.
Photographic objective, Four-lens. A. W. Tronnier. 2,573,511, Oct. 30.
Photographic objective, Four-lens triplet type. A. W. Tronnier. 2,573,512, Oct. 30.
Photographic silver-halide emulsions sensitized with cationic cyanine dyes. T. R. Thompson. 2,572,961, Oct. 30.
Picker control for label-applying machines. S. T. Carter. 2,573,183, Oct. 30.
Pilot-operated relief valve. W. D. Teague, Jr. 2,573,231, Oct. 30.
Pine-gum resin DDT insecticide compositions. W. T. Sumerford and J. A. Jensen. 2,572,864, Oct. 30.
Pintle rig for laying sheet metal flooring, Retractable. L. C. Lane. 2,572,573, Oct. 30.
Pipe coupling. W. C. Kinney. 2,573,203, Oct. 30.
Pipe cutter. C. R. Edwards. 2,572,997, Oct. 30.
Pipe tongs. A. E. Martois. 2,573,212, Oct. 30.
Pipe vise, Multiple-jaw. C. L. Roberts. 2,573,276, Oct. 30.
Piston and piston rod, Self-aligning. A. J. Bent. 2,573,354, Oct. 30.
Pivotal frame structure for rotary printing machine elements. H. H. Beasley. 2,573,090, Oct. 30.
Plastic product and making the same, Hollow. D. Gonda. 2,573,924, Oct. 30.
Plate type refrigerant evaporator. T. O. Lester. 2,573,583, Oct. 30.
Platen, Press. S. N. Baldwin. 2,572,972, Oct. 30.
Pleating. A. McD. Hess. 2,573,441, Oct. 30.
Plug: *See*—
Wall plug.
Pneumatic conveying system and method. J. J. Israel. 2,572,842, Oct. 30.
Polyfunctional compositions. C. G. Goebel. 2,573,433, Oct. 30.
Polymerization of an alkoxy hydrocarbon silane by oxidation. J. B. Rust and C. A. MacKenzie. 2,572,876, Oct. 30.
Polymers from a composition consisting of a plurality of amino acid N-carboanhydrides. R. N. MacDonald. 2,572,844, Oct. 30.
Porous articles from trifluorochloroethylene polymer, Manufacture of. M. A. Coler. 2,573,639, Oct. 30.
Portable extensible lift. G. B. Kerosou. 2,573,575, Oct. 30.
Portable filing case. J. B. Diefendorf, Jr. 2,573,412, Oct. 30.
Portable nursery chair. W. I. La Baw. 2,573,104, Oct. 30.
Power-driven mechanism for operating type bars and other instrumentalities of typewriters or like machines. H. J. Hart. 2,573,197, Oct. 30.
Power intensifier. E. A. Rockwell. 2,573,277, Oct. 30.
Power transmission system, especially for vehicles. B. Stornand. 2,573,071, Oct. 30.
Presetting cabinet. H. Richter. 2,572,893, Oct. 30.
Pressure reducing diaphragm structure. A. L. Flamm. 2,573,424, Oct. 30.
Printing device, Record controlled bill. J. E. Dayger and F. S. Huling. 2,573,313, Oct. 30.
Printing machine, Warp. H. Epstein. 2,573,097, Oct. 30.
Producing wooden boards secured against warping. A. E. Landberg. 2,573,465, Oct. 30.
Projectile, Making a. E. G. Whipple. 2,573,634, Oct. 30.
Projectile, Shotgun. A. A. Rouse. 2,573,362, Oct. 30.
Projector provided with protecting casing. E. Zillmer. 2,573,088, Oct. 30.
Propeller assembly, Portable oscillating. C. E. Bannister. 2,573,382, Oct. 30.
Prosthetic hook with dual spring load. G. M. Metis. 2,573,351, Oct. 30.
Protective arrangement for electric power distribution. G. F. Lincks. 2,573,450, Oct. 30.
Pulley. R. B. Macpherson. 2,573,209, Oct. 30.
Pulse generator. M. Fischman. 2,573,558, Oct. 30.
Pulse technique circuit. O. T. Francis. 2,572,850, Oct. 30.
Pulverizer, Two-stage rotary. J. Dulait. 2,573,129, Oct. 30.
Pump: *See*—
Coin-operated dispensing pump. Deep well pump.
Pump and ram hydraulic lifting device. C. D. Hancock. 2,573,567, Oct. 30.
Pump container. T. W. Winstead. 2,573,375, Oct. 30.
Pumping system. E. B. Atkinson. 2,573,297, Oct. 30.
Punch press and the like. K. E. Reese. 2,572,949, Oct. 30.
Purification of esters of orthophosphoric acid. W. E. Weesner. 2,573,658, Oct. 30.
Purification of wood rosin. W. G. Knox and G. L. Cunningham. 2,573,454, Oct. 30.
Purse and billfold, Combination. E. K. Rens. 2,573,063, Oct. 30.
Quinones, Preparation of substituted. W. K. T. Gleim and A. Gaydasch. 2,573,136, Oct. 30.
Rack: *See*—
Automobile clothes rack.
Radar tracking system. B. Chance. 2,572,986, Oct. 30.
Radiator. J. T. Bryce. 2,573,539, Oct. 30.
Radio and intercommunicating set, Combined. W. W. Garstang. 2,573,257, Oct. 30.
Radio antenna scanning and azimuth marking means. F. B. Berger and F. F. Slack. 2,572,975, Oct. 30.
Radio station selector. L. Biamonte. 2,572,976, Oct. 30.
Rag looper. E. M. Kuebler. 2,573,204, Oct. 30.
Rail truck suspension. E. H. Piron. 2,573,108, Oct. 30.
Rake, Dump. C. R. Pearson. 2,573,054, Oct. 30.
Range indicating system. J. W. Stafford and R. L. Garman. 2,573,070, Oct. 30.
Ratchet wrench. W. R. Maclay. 2,573,469, Oct. 30.
Razor, Safety. E. J. Gray. 2,572,925, Oct. 30.
Receptacle. J. A. Cupler, II. 2,573,311, Oct. 30.
Reclining chair. B. Vale. 2,573,073, Oct. 30.
Recording roll message device. P. Bosoky. 2,573,303, Oct. 30.
Recovering proteolytic ensymes from mammalian pancreas glands with urea. S. E. Frederiksen. 2,573,099, Oct. 30.
Recovery of nickel from nickel silicate ore. L. J. Lichty. 2,573,153, Oct. 30.
Recovery of phenol from dilute aqueous solutions. M. J. P. Bogart and A. S. Brunjes. 2,573,244, Oct. 30.
Recovery of procaine. J. T. McCombie, P. F. E. Mann, and A. M. Wild. 2,573,586, Oct. 30.
Redispersing and compounding rubber. A. Pollak and J. J. Keilen, Jr. 2,572,884, Oct. 30.
Reducing fire hazard in small boats. H. J. Price. 2,573,599, Oct. 30.
Reel: *See*—
Fishing reel.
Reel and control handle for model airplanes, Combination. H. A. Pursell. 2,573,219, Oct. 30.
Refrigerant expansion valve. H. T. Lange. 2,573,151, Oct. 30.
Refrigerating apparatus. W. H. Teeter. 2,573,288, Oct. 30.
Regulator: *See*—
Engine pressure regulator. Oil pressure regulator.
Gas pressure regulator.
Relay. A. W. Fischer. 2,573,000, Oct. 30.
Releasing end stop nonseparable slide fastener. D. Rabinow and O. J. Moehler. 2,573,058–9, Oct. 30.
Remote control system for typewriters. H. L. Tholstrup. 2,573,370, Oct. 30.
Replacing deactivated hydrocarbon synthesis catalyst with fresh catalyst. A. H. Friedman. 2,573,559, Oct. 30.
Reproducing a direct current. H. Forssell. 2,573,255, Oct. 30.
Resolving emulsions. W. H. Kirkpatrick. 2,572,868, Oct. 30.
Retainer for oscillating moistening roll shaft. E. J. Janke. 2,573,572, Oct. 30.
Retardation guide on decimetric waves. H. Gutton and A. J. Ortusi. 2,573,012, Oct. 30.

Retractable pilot for railway locomotives. A. M. Schieler. 2,573,224, Oct. 30.
Retractile cord and making retractile cords. G. E. Henning. 2,573,439, Oct. 30.
Reversible electric switch. W. W. Turner. 2,573,514, Oct. 30.
Rock drill. J. C. Curtis. 2,572,840, Oct. 30.
Rock drill. C. F. Osgood and J. C. Curtis. 2,572,841, Oct. 30.
Rocker arm construction. C. F. Bachle. 2,572,968, Oct. 30.
Rod: *See*—
Curtain rod. Self-lubricating piston rod.
Rodenticide comprising fluoroacetphenylhydrazide. L. Karel and B. Witten. 2,572,867, Oct. 30.
Roller construction for roller skates, Wooden. G. M. Bloom. 2,572,835, Oct. 30.
Rolling colter provided with driving lugs. O. D. Lutes. 2,573,037, Oct. 30.
Rolling mill. H. W. Nieman. 2,573,353, Oct. 30.
Room illuminator. R. P. Shaw. 2,572,957, Oct. 30.
Rug rolling device. C. P. Dyken. 2,573,188, Oct. 30.
Rule, Parallel. G. Sanches. 2,573,611, Oct. 30.
Sack clothes drier. L. K. Moran. 2,573,214, Oct. 30.
Saddle for spinning frames. R. Rulon-Miller. 2,573,222, Oct. 30.
Safety clutch. S. C. Heth. 2,573,140, Oct. 30.
Safety control for rocker-arm welders. J. B. Welch. 2,573,124, Oct. 30.
Safety mechanism for centrifugal driers. G. A. Oberg. 2,573,595, Oct. 30.
Safety stop mechanism for knitting machines. E. R. Harner. 2,573,261, Oct. 30.
Sanitary device. A. Johnson. 2,573,449, Oct. 30.
Sanitary garbage can. M. B. Cunningham. 2,573,548, Oct. 30.
Saturable reactor impedance relay. F. Dahlgren. 2,573,249, Oct. 30.
Saw, Reciprocating blade wood. C. E. Jenkins. 2,573,573, Oct. 30.
Saw wiper system. W. Lasar. 2,572,938, Oct. 30.
Scaffold bracket. W. T. Yoshimoto, Sr. 2,573,086, Oct. 30.
Screen equipment for windows. C. H. Mosebach. 2,573,590 Oct. 30.
Screen with removable panel. J. J. Meyer. 2,573,156, Oct. 30.
Screening apparatus. W. E. Koonce and C. F. Story. 2,572,869, Oct. 30.
Screw attachment for sausage stuffers. L. J. F. Ell. 2,572,917, Oct. 30.
Scuff pad for connection with piano pedals. I. F. Kult. 2,573,343, Oct. 30.
Seal for centrifugal machines. F. H. Fletcher, Jr. 2,573,425, Oct. 30.
Sealing apparatus for cathode-ray tubes. W. P. Melcher and H. H. Voels. 2,573,266, Oct. 30.
Sealing device. H. L. Solie. 2,573,504, Oct. 30.
Sealing packing. L. M. C. Seamark. 2,573,225, Oct. 30.
Sealing pipe joints. W. H. Scholl. 2,573,366, Oct. 30.
Seat: *See*—
Tractor seat.
Seat assembly, Adjustable auxiliary. E. W. MacKnight. 2,572,874, Oct. 30.
Securing leads to commutators. H. Servis. 2,572,956, Oct. 30.
Self-aligning bearing. E. A. Arp. 2,573,532, Oct. 30.
Self-aligning bore gauge. O. E. Watson. 2,573,075, Oct. 30.
Self-loading vehicle. P. S. Knox, Jr., and W. I. Strauss. 2,573,342, Oct. 30.
Self-lubricating piston rod. T. R. Rymal. 2,572,952, Oct. 30.
Separation of maleic anhydride-olefin monomers from polymers. J. Ross and A. I. Gebhardt. 2,573,495, Oct. 30.
Separation of oxygen-containing compounds. J. S. Cromeans. 2,573,185, Oct. 30.
Separator. U. S. James, Jr. 2,573,026, Oct. 30.
Servomotor. C. L. Norden and T. H. Barth. 2,573,593, Oct. 30.
Servomotor, Pressure fluid type follow-up. B. N. Ashton. 2,572,902, Oct. 30.
Setting tool. E. Walters. 2,573,235, Oct. 30.
Settling tank. J. C. Scailles. 2,573,615, Oct. 30.
Sewing machine, Buttonhole. M. C. Rich. 2,573,359, Oct. 30.
Sewing machine, Chenille. J. Montgomery. 2,573,043, Oct. 30.
Sewing machine, Portable. H. Scott, 2,573,499, Oct. 30.
Sharpener, Pencil. E. J. Markvart and A. P. Solem. 2,572,676, Oct. 30.
Sheet stacking device. W. J. Bradford and O. Wahl. 2,572,980, Oct. 30.
Shock mount. D. L. Bacon and J. E. McLoughlin. 2,572,969, Oct. 30.
Shoe with vamp wrinkles minimised, Walking. F. G. Poon. 2,572,948, Oct. 30.
Shutter arrangement for indicators. H. H. Wolfe. 2,573,083, Oct. 30.
Sign: *See*—
Changeable sign.
Sign and bracket for mail boxes and the like, Name. H. W. Duncan. 2,573,413, Oct. 30.
Signal: *See*—
Deceleration signal.
Signal amplifying and mixing utilising space charge neutralisation. J. H. Coleman. 2,573,247, Oct. 30.
Signal for typewriters, Page end. R. Hull. 2,573,023, Oct. 30.
Signal seeking tuning system, Presettable. R. A. Gull. 2,572,926, Oct. 30.
Signal translating apparatus, Subscription type. R. O. Gray. 2,572,853, Oct. 30.
Signalling system, Electronic. R. S. Bergen and B. E. Sealander. 2,573,175, Oct. 30.
Signaling system for vehicles. A. W. Bennett. 2,572,973, Oct. 30.
Signaling system, Subscriber. B. J. Miller and G. V. Morris. 2,573,349, Oct. 30.
Silcarbane polymers and their preparation. J. D. Francis. 2,573,426, Oct. 30.
Sizing of pulp with rosin and carboxymethylcellulose. E. F. Horsey and D. Price. 2,572,932, Oct. 30.
Slicing machine. A. van Duyn. 2,573,631, Oct. 30.
Slicing machine feed mechanism. A. van Duyn. 2,573,628, Oct. 30.
Slicing machine with gauge plate adjusting means. A. van Duyn. 2,573,630, Oct. 30.
Slicing machine with stacker. A. van Duyn. 2,573,632, Oct. 30.
Slitter for metal strip, Adjustable. N. L. Herman. 2,573,332, Oct. 30.
Soldering machine. E. E. Nofsinger. 2,573,594 Oct. 30.
Sole mold selector and conveyer. L. F. Exley. 2,573,251, Oct. 30.
Solid-liquid reaction processes. R. Stanton. 2,572,887, Oct. 30.
Sound-deadening unit. P. G. Peik. 2,573,482, Oct. 30.
Speaker control, Dual. R. I. Weber. 2,573,122, Oct. 30.
Split plug body suitable for housing a plurality of different electrical contact elements. A. J. Barocas. 2,573,533, Oct. 30.
Spool. R. P. Perry, E. A. Dickmann, and L. F. Bridge. 2,573,598, Oct. 30.
Spray drying, Method and apparatus for. J. M. Hall and H. E. Tucker. 2,572,857, Oct. 30.
Stabiliser and damper, Fluid-dynamic. M. A. Garbell. 2,573,562, Oct. 30.
Stabilising hydrocarbons and reagents therefor. J. Ackerman, Jr. and C. W. Moberly. 2,573,294, Oct. 30.
Stand: *See*—
Floral display stand.
Starch manufacturing process. W. B. Newkirk, E. H. Williams, C. A. Rietz, and A. B. Dunwody. 2,573,048, Oct. 30.
Static apparatus for relief photography. M. Bonnet. 2,573,242, Oct. 30.
Station indicating device, Automatic. O. E. Wagenknecht. 2,573,291, Oct. 30.
Steering mechanism, Four-wheel control. D. B. Avery. 2,572,966, Oct. 30.
Steering wheel. J. H. McFarland. 2,573,475, Oct. 30.
Stepladder. C. F. Jones. 2,573,665, Oct. 30.
Stop for magnetic recorders, Automatic. M. Camras. 2,572,985, Oct. 30.
Stopping means for calculating machines. H. Gang. 2,572,922, Oct. 30.
Storage drawer for refrigerating apparatus. C. F. Petkwitz. 2,573,272, Oct. 30.
Storage unit. F. J. Furman. 2,573,561, Oct. 30.
Storage unit. C. D. Lake, W. Pfaff, and D. R. Platt. 2,573,581, Oct. 30.
Stove, Barbecue. T. J. Sisto. 2,573,115, Oct. 30.
Stove, Charcoal. C. H. Mansler. 2,573,211, Oct. 30.
Strain relief bushing. L. L. Pruehs. 2,573,600, Oct. 30.
Strip metal heat-treating. F. O. Hess. 2,573,019, Oct. 30.
Strip tensioning device. R. F. Miehle, Jr. 2,573,267, Oct. 30.
Styrene copolymer compositions. M. J. Roedel. 2,572,951, Oct. 30.
Submersible electric motor. O. E. Andrus. 2,573,126, Oct. 30.
Sucker rod fishing tool. T. M. Hunt. 2,573,444, Oct. 30.
Sulfur dyestuffs and making same. E. Jenny. 2,573,448, Oct. 30.
Superregenerative receiver. W. E. Bradley. 2,572,907, Oct. 30.
Support: *See*—
Foot support. Mirror support.
Garment hanger support. Twister frame spindle support.
Hearing aid support.
Support for filter element. S. W. Briggs. 2,572,981, Oct. 30.
Support for Venetian blind tilt rails, Intermediate. B. B. Junkunc. 2,573,147, Oct. 30.
Suspension bridge. H. W. Sumner. 2,573,507, Oct. 30.
Suspension for safety helmets. L. Daly. 2,573,250, Oct. 30.

Switch: *See*—
Airplane crash switch.
Electric snap switch.
Inertia switch.
Reversible electric switch.
Switch for use in automatic telephone systems, Crossbar. G. B. Knös. 2,573,453, Oct. 30.
Switch for use with battery chargers. C. E. Peters. 2,573,483, Oct. 30.
Switch mechanism. L. Hoffman. 2,573,139, Oct. 30.
Synchronizing power transmitting mechanism. H. A. Schultze. 2,573,613, Oct. 30.
System for testing closed receptacles for leaks. P. Pearlman. 2,573,053, Oct. 30.
System of determining the listening habits of wave signal receiver users. S. A. Scherbatskoy. 2,573,279, Oct. 30.
Table operating means for hearses, Releasable. G. L. Runkle. 2,573,496, Oct. 30.
Tank: *See*—
Settling tank.
Tank bleeder. G. H. Ennis and W. W. Ennis. 2,573,172, Oct. 30.
Telegauge, Liquid level. J. A. Good. 2,573,006, Oct. 30.
Telegraph system, Carrier. J. E. Boughtwood and A. E. Michon. 2,573,392, Oct. 30.
Telephone dial lamp. O. A. Shann. 2,573,617, Oct. 30.
Television receiver. A. Cotsworth, III. 2,573,248, Oct. 30.
Temperature control for driers, Automatic. F. W. Howland. 2,573,571, Oct. 30.
Temperature responsive system. F. F. Offner. 2,573,596, Oct. 30.
Tertiary amines and obtaining the same. G. Rieveschl, Jr. and W. R. Coleman. 2,573,605, Oct. 30.
Therapeutic traction device. P. B. Terry, Jr. and H. R. Stodder. 2,573,162, Oct. 30.
Thermal control means for induction motors. H. F. Clark. 2,573,404, Oct. 30.
Thermometer, Surface temperature. A. H. Lamb. 2,573,205, Oct. 30.
Thermosetting compositions comprising aminoplast and chlorotriazines. H. J. West. 2,573,525, Oct. 30.
Thermostatic stoker control system. J. A. Deubel. 2,573,661, Oct. 30.
Thread advancing reel having spray and drain devices. H. A. Kuljian. 2,573,578, Oct. 30.
Thread lock. E. G. Green. 2,573,009, Oct. 30.
Thyratron cathode design to prevent clean-up of hydrogen. J. Rothstein. 2,572,881, Oct. 30.
Timer, Electrical. M. B. Moore, E. D. Willis, and R. L. Ginther. 2,573,130, Oct. 30.
Timing circuit. C. H. Smith, Jr. 2,572,891, Oct. 30.
Tire package, Pneumatic. F. Herzegh. 2,573,664, Oct. 30.
Tissue package. E. A. Chipkevich. 2,573,309, Oct. 30.
Tool: *See*—
Lever type tire bead loosening tool.
Setting tool.
Sucker rod fishing tool.
Tool for vacuum tube terminal plugs, Straightening. S. J. Hoffman and F. W. Burwen. 2,573,198, Oct. 30.
Toolholder. H. Nussbold. 2,573,480, Oct. 30.
Torsion transmitting glass shaft and manufacture. J. L. Rodgers, Jr. and A. M. Howald. 2,573,361, Oct. 30.
Torsional vibration dampener. G. S. Butenkoff. 2,573,398, Oct. 30.
Toy gun, Repeating rubber band. A. G. Herring. 2,573,142. Oct. 30.
Toy horse. C. Morgan. 2,572,878, Oct. 30.
Traction attachment for vehicle tires. W. J. Brown. 2,573,602, Oct. 30.
Tractor. T. Brown. 2,572,911, Oct. 30.
Tractor double clutch and drive, Farm. W. L. Groninger. 2,573,010, Oct. 30.
Tractor seat. G. L. White and C. E. Read. 2,573,077, Oct. 30.
Transformer, Mechanical impedance. W. P. Mason and R. F. Wick. 2,573,168, Oct. 30.
Trap: *See*—
Dual hopper trap.
Trap. J. M. Slauth. 2,573,228, Oct. 30.
Tray, Freezing. F. W. Sampson. 2,573,066, Oct. 30.
Treated stopper for and method of introducing antifoam agent into a liquid medicament or the like. W. L. Bender. 2,573,637. Oct. 30.
Treatment of fatty oils. R. J. Taylor. 2,573,509, Oct. 30.
Treatment of solutions. A. P. van der Molen. 2,573,516, Oct. 30.
Trestle, Extensible. A. H. Hawes. 2,572,928, Oct. 30.
Trim panels, Making. F. Lyijynen. 2,573,466, Oct. 30.
Truck construction, Railway. J. C. Travilla, Jr., and E. S. Beckette. 2,573,232, Oct. 30.
Truck, Warehouse bobbin. W. F. Lee and D. Stephens. 2,573,206, Oct. 30.
Truck with conveyer unloader, Bulk tank. F. M. Goldsberry. 2,573,193, Oct. 30.
Tube: *See*—
Ultra high-frequency electron tube.
Tube impulse pattern producer, Vacuum. O. T. Francis. 2,572,849, Oct. 30.
Tube protection circuit. W. B. Bernard. 2,572,832, Oct. 30.
Tubular rotary cutter. E. Lindsey. 2,573,462, Oct. 30.
Tunable resonance chamber. W. F. Kannenberg. 2,573,148, Oct. 30.
Tuner for ultrahigh radio frequencies. F. M. Murphy and J. E. La Marsh. 2,573,045, Oct. 30.
Tuning mechanism, Differential. A. H. Wulfsberg. 2,572,964, Oct. 30.
Tuning radio receivers. R. W. Akemann. 2,572,965, Oct. 30.
Twister frame spindle support. A. E. Winslow. 2,573,081, Oct. 30.
2-methyl-1,3-pentanediol, Producing. A. F. MacLean and A. L. Stautzenberger. 2,572,941, Oct. 30.
2-napthyl J-acid and its preparation. V. Tulagin and W. A. Schmidt. 2,573,513, Oct. 30.
Ultrahigh-frequency circuit arrangement comprising a discharge tube. A. van Weel. 2,573,517, Oct. 30.
Ultrahigh-frequency electron tube. W. W. Eitel, J. A. McCullough, and H. E. Sorg. 2,573,190, Oct. 30.
Uniformly substituted glucopyranose polymers and their preparation. K. M. Gaver, E. P. Lasure, and D. V. Tiessen. 2,572,923, Oct. 30.
Unloading structure for garment cylinders. O. E. Kling. 2,573,103, Oct. 30.
Vacuum cleaner and tool casing, Combined. C. K. Brown, Jr. 2,573,091, Oct. 30.
Valve: *See*—
Bag valve.
Balanced plug valve.
Caged float flush control valve.
Combined fluid-pressure and manually operated valve.
Control valve.
Fluid control valve.
Hot and cold water control valve.
Lubricated plug valve.
Pilot-operated relief valve.
Refrigerant expansion valve.
Valve. J. A. Jensen. 2,573,263, Oct. 30.
Valve. E. K. Nickerson. 2,573,648, Oct. 30.
Valve. S. B. Wieser. 2,572,899, Oct. 30.
Valve for baum jigs, Hutch. W. J. Smith. 2,573,503, Oct. 30.
Valve for filler machines, Metering. C. F. Hammann. 2,573,566, Oct. 30.
Valve head. F. J. Stover. 2,573,623, Oct. 30.
Valve means for internal-combustion engines. M. J. Berlyn. 2,573,301, Oct. 30.
Valve sequenced multifunction timer, Electric. S. C. Rockafellow. 2,573,360, Oct. 30.
Valve testing apparatus. W. T. Koestering. 2,573,646, Oct. 30.
Valve with vibration damper. W. W. Watt. 2,573,522, Oct. 30.
Valves, Making. C. I. Bohlen. 2,573,177, Oct. 30.
Variable-speed drive. J. D. Rieser. 2,573,493, Oct. 30.
Variable speed stroke power mechanism. F. F. Hillix. 2,573,333, Oct. 30.
Vegetable protein, Production of. B. Vassel. 2,573,072, Oct. 30.
Vehicle: *See*—
Self-loading vehicle.
Vehicle body closure assembly. E. F. McHenry. 2,573,476, Oct. 30.
Vehicle bumper, Shock absorbing. P. Terranova. 2,573,510, Oct. 30.
Venetian blind. M. S. Fusco. 2,573,326, Oct. 30.
Venetian blind. F. R. Hendricks. 2,573,330, Oct. 30.
Venetian blind. B. Walker. 2,572,896, Oct. 30.
Venetian blind rail and tape fastener. E. F. Thomson. 2,573,163, Oct. 30.
Ventilating fan mounting structure. V. E. Sprouse and T. P. Jordan. 2,573,145, Oct. 30.
Ventilator. C. W. Schumacher. 2,572,955, Oct. 30.
Verification apparatus for record controlled embossing machines. L. J. Herman. 2,573,331, Oct. 30.
Vertical fire tube steam boiler. C. T. Denker and J. R. Moore. 2,573,551, Oct. 30.
Vibrator converter with resistors. C. Huetten. 2,573,262, Oct. 30.
Viscosimeter. C. C. Steffens. 2,573,505, Oct. 30.
Vise for machine tools, Compact universal. C. A. Cherry. 2,573,542, Oct. 30.
Visual indicating device for vehicles. H. D. von Bredow. 2,573,127, Oct. 30.
Voltage gate limiter. C. E. Ingalls. 2,573,446, Oct. 30.
Voltage stabilizer. O. Billing. 2,573,388, Oct. 30.
Wagon box. E. F. Zuber. 2,573,293, Oct. 30.
Wagon box lift. L. McKendrey. 2,573,478, Oct. 30.
Wagon, Dump. G. I. Clark. 2,573,184, Oct. 30.
Wallboard, Production of gypsum. M. M. Powers and C. J. Loechl. 2,573,355, Oct. 30.
Wall plug. G. M. Scott. 2,573,498, Oct. 30.
Ware drying apparatus. C. H. Parmelle. 2,573,217, Oct. 30.
Warp beam. E. K. Bauer. 2,572,905, Oct. 30.
Washer: *See*—
Lock washer.
Waste disposal unit, Kitchen. H. H. Miller. 2,573,213, Oct. 30.
Watch band, Reinforced wrist. B. G. Pedersen. 2,573,055, Oct. 30.
Water-resistant greases. W. H. Peterson. 2,573,650, Oct. 30.
Wax composition and preparation thereof. J. J. Fish. 2,573,422, Oct. 30.
Wax products and preparation thereof. J. J. Fish. 2,573,423, Oct. 30.

Welded steel units, Making. J. P. Zallea and J. J. Mank. 2,573,530, Oct. 30.
Well flow device. J. L. Robison. 2,573,110, Oct. 30.
Well logging system. W. J. Greer. 2,573,133, Oct. 30.
Wheel: *See*—
Detachable vehicle wheel.
Steering wheel.
Wheeled barrow. M. Quesnoit. 2,572,945, Oct. 30.
Wind deflector. E. M. Bryce. 2,573,396, Oct. 30.
Window frame and sash. M. Mosolgo. 2,573,155, Oct. 30.
Window screen tensioning device, Frameless. D. J. Rust and J. H. Jensen. 2,573,223, Oct. 30.
Wood checkering apparatus. E. W. Hailston, C. F. Casey, and G. R. Mellck. 2,573,565, Oct. 30.
Wood finishing process. D. P. Lehman. 2,573,105, Oct. 30.
Work-holding fixture. J. W. Dearborn. 2,573,410, Oct. 30.
Wrench: *See*—
Cam actuated pivoted jaw wrench.
Internally applied expanding friction-grip wrench.
Ratchet wrench.
Writing pad holder. S. R. Blackstone. 2,573,176, Oct. 30.
X-ray apparatus. W. C. Kuhlman. 2,573,029, Oct. 30.

CLASSIFICATION OF PATENTS

ISSUED OCTOBER 30, 1951

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number.

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Classification of Designs

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Condition of Applications Under Examination at Close of Business Oct. 12, 1951

Total number of patent applications awaiting action, 108,045. Date of oldest new application, November 20, 1950; date of oldest amended application, November 18, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
*C. E. D. HERTZ, M., Valves (part); Water Distribution (part)			
1. GOLDBERG, A. J., Excavating; Planters; Plows; Harrows and Diggers (part); Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewage.	11-20-50	11-18-50	2344
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses, Tobacco; Textile Wringers	1-26-51	1-23-51	1256
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus); Heating; Coating or Plastic Composition (part).	2-24-51	2-17-51	1577
4. BISHOP, W. C., Mining, Quarrying and Ice Harvesting; Hoists; Power Driven Conveyors; Handling Apparatus.	12-19-50	12-22-50	2008
5. ROBINSON, C. W., Harvesters; Knotters; Harrows and Diggers (part); Bee Culture; Dairy; Butchering; Animal Husbandry; Fences; Gates.	2-28-51	2-28-51	980
6. SURLE, H., Carbon Chemistry (part)	1-13-51	1-12-51	1923
7. GONSALVES, J. E., Optics; Photography (part)	1-30-51	2-7-51	1306
8. LEWIS, R. O., Racks, Cabinets, Tables, Miscellaneous Furniture; Fire Escapes; Ladders; Scaffolds	1-2-51	1-2-51	1912
9. BRANSON, J. H., (Acting), Pumps and Fans; Fluid Motors	12-29-50	12-26-50	1577
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners), Music; Modulators; Piezo-Electric Crystals.	12-29-50	12-29-50	1237
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufacture; Nailing and Stapling.	1-5-51	1-2-51	1006
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	1-29-51	1-9-51	1103
13. BEALL, T. E., Gear Cutting, Milling, Planing; Needle and Pin Making; Metal Working, part (e.g., Special Work, Sawing, Forging, Welding, Drawing, Turning).	1-4-51	1-4-51	1235
14. MANIAN, J. C., Fluid Pressure Brakes; Wire Fabrics; Farriery; Metal Working, part (e. g., Sheet-Metal; Wire; Bending, Misc. Processes; Assembly and Disassembly Apparatus).	12-18-50	12-22-50	1620
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	2-28-51	2-28-51	1298
16. LOVEWELL, N. N., Television, Telephony	12-26-50	12-14-50	1322
17. LEIGHEY, R. A., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Association or Folding; Sheet or Web Feeding.	12-13-50	12-14-50	1645
18. KURZ, J. A., Power Plants; Speed Responsive Devices	1-8-51	1-8-51	1465
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-11-50	12-9-50	1173
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Banking Protection; Safes; Canopies, Umbrellas and Canes.	12-13-50	12-13-50	1497
21. MADER, R. C., Textiles	11-29-50	11-29-50	1493
22. MARLAND, M. L., Aeronautics; Boats; Buoys; Ships; Marine Propulsion; Fluid Current Motors	12-16-50	12-15-50	1253
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	12-13-50	12-14-50	871
24. DRACOPOULOS, P. T., Apparel; Apparel Apparatus, Sewing Machines; Textiles, Ironing or Smoothing.	2-16-51	2-14-51	1719
25. NEVIUS, R. D., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	1-12-51	1-5-51	1449
26. YOUNG, R. R., Electricity—Generation, Motive Power, Voltage Magnitude and Phase Control Systems; Elevators.	12-15-50	12-13-50	1219
27. JAMES, S., Brushing, Scrubbing; Liquid Treatment of Solids, General Cleaning; Brush, Broom, and Mop Making.	11-20-50	11-20-50	2218
28. BRAUNER, R. H., Motors, Expansible Chamber Type; Internal-Combustion Engines; Cylinders; Pistons; Motors, Spring, Weight, and Animal Powered; Wheel Substitutes; Chutes, Skids, Guides, Ways; Fluid Current Conveyors; Pneumatic Dispatch; Store Service.	12-15-50	12-15-50	1582
29. HABECKER, L. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools.	1-3-51	1-2-51	1639
30. BISHOFF, A., Fluid Sprinkling, Spraying and Diffusing; Automatic Temperature and Humidity Regulation; Thermostats, Humidostats; Heating Systems; Refrigeration; Illuminating Burners.	2-12-51	2-12-51	1585
31. HUTCHISON, E. W., Mineral Oils; Carbocyclic or Acyclic-Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	2-7-51	2-5-51	1989
32. LE ROY, C. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	12-20-50	12-22-50	1333
33. MUSHAKE, W. I., Bridges; Hydraulic and Earth Engineering; Building Structures (part); Roads and Pavements.	1-15-51	1-5-51	2215
34. SAPERSTEIN, S., Railways—Draft Appliances, Switches and Signals, Surface Track, Rolling Stock, Track Sanders; Electricity, Transmission to Vehicles; Dumping Vehicles; Vehicle Fenders; Hand and Hoist-Line Implements.	1-2-51	1-2-51	1290
35. BROMLEY, E. D., Dispensing; Filing and Closing Receptacles	12-9-50	12-19-50	1653
36. McFADYEN, A. D., Measuring and Testing	12-1-50	12-1-50	1354
37. REYNOLDS, E. R., Electricity, Circuit Makers and Breakers; Recorders	2-1-51	2-1-51	1292
38. ARNOLD, D., Coating Processes and Apparatus; Rubber, Preserving Apparatus (part); Fluid Treatment of Textiles (Apparatus).	2-2-51	12-26-50	1358
39. WEIL, I., Fluid-Pressure Regulators; Valves; Water Distribution	1-19-51	1-18-51	1973
40. DRUMMOND, E. J., Receptacles (part); Packages	12-6-50	12-6-50	2085
41. GURLEY, R. B., Check-Controller Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	12-13-50	12-14-50	1288

*Commissioner's Examiners' Division.

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 108,045. Date of oldest new application, November 20, 1950; date of oldest amended application, November 18, 1950.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
42. MARANS, H., Telegraphy (part); Electric Signaling; Signals and Indicators; Signs	12-8-50	12-8-50	2036
43. ASP, N. A., Medicines, Poisons, Cosmetics; Sugar and Starch; Bleaching; Dyeing; Fluid Treatment of Textiles, Hides, Skins, and Leathers; Preserving (part).	3-15-51	2-24-51	1056
44. HARVEY, L. P., Beds; Chairs, Seats	12-14-50	12-13-50	1545
45. MANIAN, J. A., Wheels, Tires, and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	12-1-50	12-2-50	1645
46. O'LEARY, R. A., Concentrating Evaporators; Fire Extinguishers; Liquid Heaters and Vaporizers; Building Structures (Doors, Windows, Awnings and Shutters); Kitchen and Table Articles.	1-20-51	1-4-51	1035
47. KANOF, W. J., Motor Vehicles; Land Vehicles (part)	1-3-51	1-8-51	1502
48. BERNSTEIN, S., Electricity, General Applications; Conversion Systems; Electric Igniters; Card and Picture Exhibiting.	2-3-51	1 20-51	898
49. BENDETT, B., Drying and Gas or Vapor Contact with Solids; Ventilation; Wells; Earth Boring	1-2-51	12-20-50	1620
50. LEVIN, S., Synthetic Resins	4 9-51	3-14-51	1553
51. YAFFEE, S., Radiant Energy (part e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	12-15-50	12-14-50	1125
52. WHITNEY, F. I., Supports; Joint Packing; Valved Pipe Joints or Couplings; Rod Joints or Couplings; Tool Handle Fastenings; Pipes and Tubular Conduits.	12-13-50	12-13-50	2419
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery, Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Package and Article Carriers; Whip Apparatus.	12-27-50	1-4-51	1183
54. NILSON, R. G., Electric Lamp and Discharge Devices, Systems, Structures, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	12-22-50	12 16-50	1660
55. KLINE, J. R., Artificial Body Members; Dentistry; Surgery; Toilet	1-30-51	2-8-51	1123
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification.	1-25-51	1-19-51	1648
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Pipe Joints or Couplings.	2-2-51	1-4-51	1791
58. DOWELL, E. F., Rolls and Rollers; Making Metal Tools and Implements; Stone Working Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Closure Operators.	12-18-50	12-18-50	1255
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating	1-13-51	1-9-51	1301
60. LEVY, M. L., Electricity—Heating; Welding; Furnaces; Batteries, Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	12-27-50	12-12-50	1197
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time Controlling Apparatus; Railway Mail Delivery.	12-19-50	12-16-50	1503
62. SHAPIRO, A., Games; Toys; Amusements and Exercising Devices; Mechanical Guns and Projectors	1-2-51	12-20-50	1529
63. WINKELSTEIN, A. H., Fermentation, Foods and Beverages, Carbon Chemistry (part)	2-1-51	2-6-51	1667
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	3-5-51	3-5-51	1846
65. MORSE, E. L., Electrical Conductors, Conduits, Insulators and Connectors; Illumination	1-13-51	1-15-51	1561
66. LISANN, I., Geometrical Instruments; Automatic Weighers; Weighing Scales	12-11-50	12-9-50	1230
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Product; Ornamentation	1-24-51	1-15-51	1300
68. BERMAN, H., Chucks or Sockets; Shafting and Flexible Couplings; Clutches and Power Stop Control; Brakes; Boring and Drilling.	12-21-50	12-18-50	1774
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording.	12-18-50	12-15-50	1395
70. BREWRINK, J. L., Firearms, Ordnance; Ammunition and Explosive Charge Making; Explosive Devices and Composition; Mass Spectrometry; Acinide Series Chemical Elements; Miscellaneous Electrical, Radiant and Wave Energy Chemistry.	12-13-50	12-13-50	1677
DESIGNS: A. BREHM, G. L., Industrial Arts	6-12-51	6-2-51	674
DESIGNS: B. GRAY, M. A., Household, Personal and Fine Arts	6-1-51	6-1-51	1246

Total number of trade-mark applications awaiting action (including renewals and republications), 17,323. Date of oldest new application, March 6, 1951; date of oldest amended application, March 8, 1951.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
I. BARBOUR, H. E., Classes 1, 4, 5, 6, 9, 10, 11, 12, 15, 16, 18, 27, 28, 29, 30, 33, 35, 44, 50, 51, 52	3-6-51	3-8-51	5354
II. SUMMERS, G. S., Classes 13, 14, 19, 21, 22, 23, 24, 25, 26, 31, 34	4-9-51	3-30-51	3420
Renewals (All Classes)	3-3-51	9-6-51	523
Republications (All Classes)	3-22-51	9-6-51	201
III. RACKNOR, M., Classes 3, 7, 8, 17, 20, 32, 37, 38, 39, 40, 41, 42, 43, 45, 47, 48, 49	3-12-51	3-12-51	4311
IV. KEYS, O. M., Classes 2, 36, 46, and Service Mark Classes 100, 101, 102, 103, 104, 105, 106, 107	3-14-51	3-17-51	3505

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

LEARNED *v.* THOMPSON

No. 5803. Decided June 29, 1951. Petition for rehearing denied September 28, 1951

[— F.2d —; — USPQ —]

1. EVIDENCE—FAILURE TO PRODUCE DOCUMENT NO UNFAVORABLE INFERENCE UNLESS DEMANDED BY ADVERSE PARTY.

Although, as a general rule, withholding from evidence document referred to in oral testimony gives rise to the inference that the document contents are adverse to the party withholding it, *Held* that the rule does not apply, in the absence of fraud or better evidence, where the oral testimony indicates the document is available, but was not demanded by the adverse party, who was responsible for bringing the matter into the record.

2. INTERFERENCE—REDUCTION TO PRACTICE—BY GOVERNMENT EMPLOYEE AFTER GOVERNMENT ACCEPTANCE OF INVENTION.

Where the evidence shows that the United States Government accepted appellant's offer making his invention available to the Government, *Held* that the activities of a Government employee, in reducing the invention to practice, inure to the benefit of the appellant.

3. SAME—PRIORITY OF INVENTION—SIGNALLING DEVICE.

The decision of the Board of Interference Examiner's awarding priority of invention of the counts in issue to appellee is reversed.

APPEAL from Patent Office. Interference No. 82,373.

REVERSED.

H. L. Godfrey for appellant.

D. Gordon Angus (*Richard L. Underwood* of counsel) for appellee.

WORLEY, *J.*:

This is an appeal in an interference proceeding from a decision of the Board of Interference Examiners of the United States Patent Office, one member dissenting, awarding to appellee priority of invention of the subject matter contained in four counts.

The interference involves the application of appellant, Serial No. 535,107, filed May 11, 1944, and the application of appellee, Serial No. 531,564, filed April 18, 1944. The instant interference is a consolidation of Interference Nos. 82,373 and 83,032. Interference No. 82,373 was declared March 21, 1946, between the application of Thompson (appellee), and applications of three other parties; namely, Richard S. Hunter, Larry L. Young, and Charles H. Learned (appellant). Interference No. 83,032 was declared October 2, 1947, between the applications of Thompson, Hunter, and Learned on counts added during the motion period of the first interference, No. 82,373.

It appears that judgment below was entered against Young and that Hunter filed an abandonment of the contest, thus leaving only Learned and Thompson as parties here involved.

Count 1 is representative of the counts in issue and reads as follows:

1. A signalling device designed for free manipulation with reference to a moving target, comprising, a mirror adapted to receive and project light from a distant source toward the target and provided with a window, a retro-directive reflector adjacent to the window and means whereby light received by said retro-directive reflector is returned to the window and reflected in a direction nearly opposite to the light projected by the mirror on a line nearly coinciding in direction with light reaching the eye from a target in the path of the light projected by the mirror so that the operator views simultaneously and superimposed, both a dim virtual image of the distant source and the target upon which the principal beam of the mirror is projected.

Both parties took extensive testimony, filed briefs, and were represented at the final hearing.

Appellant, Learned, being the junior party, has the burden of proving priority of invention by a preponderance of the evidence.

The invention was described by the Board of Interference Examiners as follows:

> • • • a signal device which enables a person to aim a reflector so that the reflected light will strike a desired target. The device consists essentially of a silvered mirror having a sight opening therein and a retro-directive reflector positioned in the vicinity of said opening, whereby the operator may sight through the window in the reflector at the object onto which it is desired to flash the signal and at the same time view the virtual image of the sun as formed by the retro-directive reflector. When the virtual image of the sun is superimposed upon the target the user is assured that the reflected light from the sun will be falling upon the target seen.

We think it appropriate to briefly state the background, facts, and contentions of the respective parties before making a detailed analysis thereof.

It seems that Learned conceived the involved invention in 1933 but failed to reduce it to practice. In March of 1943 he wrote a letter to the National Inventors Council, a duly constituted government agency, in which he described his invention and offered it to the Government. In June of 1943, the Government replied with a "noncommittal" answer, but placed the Learned disclosure in its classified files. However, on January 11, 1944, the National Inventors Council turned the Learned disclosure over to one Hunter, employed in the Bureau of Standards, who successfully reduced it to practice by tests conducted at the United States Naval Air Station at Pensacola, Florida, February 7, 1944. It

Vol. 651 • No. 5 Tuesday, October 30, 1951 Price $38.75 per year

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also appears that in the month of January 1944, the National Inventors Council wrote Learned, asking him to state his attitude toward making his disclosure available to the Government. Learned testified that in his reply he stated that he wanted it to be "freely available to the United States for what use they might make of it." Learned contends these actions created such a relationship between himself and the Government as to give him the benefit of the reduction to practice made by Hunter on February 7, 1944. It is to be noted that Learned made application for his patent on May 11, 1944, whereas Thompson filed his application for a patent on April 18, 1944. Thompson argues that no relationship existed between Learned and the Government sufficient to justify Hunter's activities inuring to Learned's benefit. With respect to Thompson, the Board found that he established conception of his invention on November 21, 1943, by virtue of a letter he sent on that date to one Colonel Shore of the Office of Strategic Services, also a Government agency in Washington, D. C. However, the Board held his activities in reducing his invention to practice were not sufficiently corroborated and restricted his date of reduction to practice to his filing date of April 18, 1944.

The principal question before us is whether any relationship existed between Learned and the Government to justify our holding that Hunter's activities inured to the benefit of Learned. If such be the case, then award of priority should go to Learned.

The Board found that Learned's letter of March 21, 1943 (Learned's Exhibit 10), "completely describes the invention in issue and contains three diagrams showing different modifications of the mirror and sighting device. There is no question but what Exhibit 10 constitutes a full and complete description supporting all of the counts in issue."

With respect to events subsequent to the date of that exhibit, the following testimony appears as elicited under cross-examination of appellant by counsel for appellee:

X Q. 128. Did you receive any reply to this letter, Exhibit 10?

A. Yes. I received an acknowledgement from the Bureau of Standards—no, from the National Inventors Council.

X Q. 129. You haven't produced that reply here today, though, have you?

A. It has not been produced. Mr. Godfrey [counsel for appellant] has the original.

X Q. 130. The one that you received from the National Inventors Council?

A. Yes.

X Q. 131. What did the National Inventors Council tell you in that reply?

A. They stated that my device had been examined and found interesting, but that *in their view, it showed no sufficient improvement over devices then developed to warrant the development of my device.* They thanked me for my interest shown and invited me to submit any further ideas. [Italics supplied.]

X Q. 132. Did the National Inventors Council then drop your idea?

Mr. Godfrey: I will object to that as outside the scope of the direct examination. This witness cannot say what the National Inventors Council did. That matter will be brought out in Washington.

Mr. Angus: Well the witness can say whether the National Inventors Council did anything further. I will rephrase the question.

By Mr. Angus:

X Q. 133. Subsequent to your receipt of the letter to which you just referred from the National Inventors Council, did the National Inventors Council go any further with your idea with you?

A. *In January of 1944, I received a letter stating that it had been deemed advisable to develop my invention, because it showed advantages over the systems that had been previously developed.* [Italics supplied.]

X Q. 134. Then you did nothing about your invention between March of 1943, the date of Exhibit 10, and January of 1944, did you, when you received that reply from the Inventors Council?

A. No, I had no facilities nor time available. That was the period of the war effort. I was very busy earning a living.

X Q. 135. Now when did you receive the reply from the National Inventors Council to the effect that they did not wish to use your invention, as they had other devices?

A. The first reply was in June of 1943.

X Q. 136. And that was the reply in which they said they did not want to use your invention?

A. *I believe the reply stated that there seemed to be no advantage in further development at this time.* [Italics supplied.]

X Q. 137. Then you heard nothing further until January, 1944, did you?

A. That's correct.

X Q. 138. After you received that second letter from the National Inventors Council in January, 1944, what did you then do with reference to your invention?

A. *They asked me to state my attitude toward making it available to the Government, and whether I would object to having the device disclosed in Government publications, and some other questions. I don't remember; it was rather a lengthy letter. I sent them a statement indicating what I considered my invention to be and stating that I wanted it to be freely available to the United States for what use they might make of it.* [Italics supplied.]

X Q. 139. When did you send that last letter to which you have just referred?

Mr. Godfrey: I will object and move to strike all testimony as beyond the scope of the direct examination—all testimony of this character.

Mr. Angus: It has to do with the reduction to practice of the invention referred to in the Los Angeles testimony a few days ago. And I think the witness should answer the question.

Mr. Godfrey: What is the question? Do you have the question? Will you read it back, please?

(Record read.)

A. *I don't remember the date of it; it was either late in January or early in the month of February, 1944.* [Italics supplied.]

X Q. 140. To whom was it addressed?

A. To the National Inventors Council.

X Q. 141. You never sent the National Inventors Council any physical embodiment of your invention, did you?

A. No. I offered to send them in my first letter, and no request was ever made.

X Q. 142. And you never sent them any, did you?

Mr. Godfrey: What do you mean, "any"?

By Mr. Angus:

X Q. 142. Any physical embodiment of the mirror and the retro-directive reflector device testified to by the witness this morning.

A. No.

X Q. 143. Do you know Mr. Hunter, in the Bureau of Standards?

A. Only through correspondence.

X Q. 144. When did you start your correspondence with Mr. Hunter?

Mr. Godfrey: Again the question is objected to as outside the scope of the direct examination.

A. I can't remember the details. There were so many letters sent that I can't remember them individually. I would have to look at my correspondence to answer that.

X Q. 145. Was it after February, 1944?

A. I believe it was.

X Q. 146. Was it after your correspondence with the National Inventors Council?

A. Yes.

X Q. 147. How did you happen to start correspondence with Mr. Hunter?

A. I can't recall off-hand just what it was, but I believe the first correspondence I received from Mr. Hunter was a copy of his report of tests for types of rescue mirrors. *I have the letter in my automobile, in case you would like to have it produced later.* [Italics supplied.]

Also on this point, one Hicks, at that time an employee of the National Inventors Council testified as follows in response to counsel for appellee:

X Q. 52. Did you write Mr. Learned a letter in response to that letter, Exhibit 10?

A. Yes.

X Q. 53. And in that letter you wrote to him, you turned his device down, did you not?

A. No; *we didn't turn it down. We just told him that there were other devices at that time simpler. I don't remember the exact wording.* [Italics supplied.]

X Q. 54. Did you not indicate to him that you did not propose to use his device?

A. No.

X Q. 55. Do you have a copy of the letter which you wrote to Mr. Learned?

A. I imagine it is in the file. I don't have one personally.

X Q. 56. Well, it was a letter giving him no encouragement, was it not?

Mr. Godfrey: I object.

A. *I wouldn't say that. You see, these were form letters, and we had a definite turndown letter, and one just sort of noncommittal.* You couldn't promise a man something until you found it could do something. We wrote some letters, due to classification in the armed services, *we didn't want to let the person know what was going on at that time—just noncommittal.* [Italics supplied.]

X Q. 57. *You did not tell him you were going to use his device, then, did you?*

A. *No.* [Italics supplied.]

X Q. 58. Did you receive any samples from him of mirrors?

A. Not at that time.

The Board noted that the correspondence which Learned testified he had with the National Inventors Council and with Mr. Hunter of the Bureau of Standards was not introduced in evidence. The Board was of opinion that those communications had a material bearing on the questions involved and should have been introduced in evidence and that the failure to introduce such correspondence, although not done with fraudulent intent nor to suppress evidence, hampered them considerably in their consideration of the case. They further observed, "* * * however, in accordance with well established legal practice it can only be taken as a tacit admission that the contents thereof would have been adverse to Learned."

[1] We are in agreement with that statement as a general rule of law. We feel, however, that the Board did not properly apply that principle to the facts at hand. It seems the Board carried that presumption to an extent not warranted by the facts here involved. We think the rule is properly stated in Jones on Evidence, Fourth Edition, vol. 1, sec. 19, page 49:

Sec. 19. *Withholding evidence.*—There is a recognized legal presumption that a party will produce evidence which is favorable to him if such evidence exists and is available. And the mere withholding or failing to produce material evidence which is available and would, *in the circumstances of the case*, be expected to be produced, gives rise to a natural inference—less forceful than that arising from the destruction, fabrication or suppression of evidence in which other parties have a legal interest but constantly acted upon by the courts—*that such evidence is held back* because it would be unfavorable or adverse to the party withholding it. [Italics supplied.]

Also the rule relative to the "Failure to Produce Most Satisfactory Evidence" is stated in 22 C. J. sec. 55, page 115; 31 C. J. S., Evidence, sec. 156, page 850:

Where it is apparent that a party has the power to produce evidence of a more explicit, direct, and satisfactory character than that which he does introduce and relies on, it may be presumed that if the more satisfactory evidence had been given it would have been detrimental to him and would have laid open deficiencies in, and objections to, his case which the more obscure and uncertain evidence did not disclose.

It seems to us that the crux of this case rests upon the weight to be given the testimony of Learned in answer to the questions asked him on cross-examination by counsel for appellee relative to the contents of the written documents which were obviously available. We think the Board erred in not giving sufficient weight to the testimony of Learned inasmuch as it was given in response to questions by counsel for Thompson who did not demand the production of the letters referred to. It will be noted that counsel for Learned objected to all testimony relative to the letters exchanged between Learned and the National Inventors Council as being beyond the scope of the direct examination. From our evaluation of the direct examination, it is debatable whether counsel for appellee actually went beyond the scope of the direct examination, thereby making Learned his witness and becoming bound by his testimony. Assuming, however, that counsel for appellee did not go beyond the scope of the direct examination, he was still responsible for bringing the testimony of Learned into the record as evidence to be considered. If counsel for appellee was not satisfied with Learned's testimony, he could have demanded production of the actual correspondence itself as the best evidence. Certainly appellant held back no evidence. He made it clear in his testimony where the correspondence was and we assume it would have been produced if counsel for appellee had asked for it. For example, in one instance Learned testified as follows:

X Q. 128. Did you receive any reply to this letter, Exhibit 10?

A. Yes. I received an acknowledgement from the Bureau of Standards—no, from the National Inventors Council.

X Q. 129. *You haven't produced that reply here today, though, have you?*

A. *It has not been produced. Mr. Godfrey* [counsel for appellant] *has the original.* [Italics supplied.]

In another instance it is noted:

X Q. 168. *Do you have any documents by which you could refresh your recollection as to the date when you first head from Mr. Hunter?*

A. *Yes, I have my correspondence in my automobile at a parking lot across the street.* [Italics supplied.]

Clearly the documents referred to were available to counsel for appellee. Therefore, he may not now complain concerning their absence from the record. Apparently counsel for appellee was satisfied with the evidence as to the contents of the missing correspondence which was given by Learned during his cross-examination. Counsel for appellee, in his brief, states that

* * * Although the cross-examination developed that there was more correspondence between Learned and the Government in 1944, Learned declined to put any of this in evidence even though he testified that he had a letter in his car across the street at the time of taking testimony.

In view of the above instances, together with the testimony of the entire record, we do not believe such statement to be accurate.

The question of whether a quasi agency, agency, or any relationship at all actually existed between Learned and the Government can be determined only by an examination of the available exhibits and testimony. For the reasons stated above, we feel constrained to treat the uncontroverted testimony of Learned as truthful and valid.

In summary, taking the steps in chronological order, the first action was taken by Learned in his letter of disclosure to the National Inventors Council on March 21, 1943, in which he said "I am willing to waive my patent rights or give a public patent on my invention of the heliograph sight." To us this was clearly an offer on the part of Learned for the Government to take and use his discovery. Then came the answer from the National Inventors Council to Learned, as testified to by the witness Hicks, which was received sometime in June of that year but was of a "noncommittal" nature, although the

National Inventors Council placed the Learned disclosure in its classified files. Then, on January 11, 1944, the National Inventors Council, apparently believing Learned's disclosure to be meritorious, delivered it to Hunter in the Bureau of Standards. The record shows that Hunter immediately began work on the Learned disclosure and that by February 7, 1944, had successfully reduced it to practice by actual tests on airplanes and life rafts at the Naval Air Training Station, Pensacola, Florida.

Learned testified that in the same month of January 1944, the Government wrote him a letter inquiring his attitude toward making his invention available to the Government. We believe it of interest to quote from the opinion of the Board on this point:

> It seems to us that, as far as Learned is concerned, whatever agency relationship had been established between himself and the National Inventors Council, was terminated in his own mind at this time. In view of Learned's recollection of the second letter he received from the National Inventors Council in January, 1944, in which he said they asked him to state his attitude toward making his idea available to the Government * * *, it would seem that the National Inventors Council had also considered the relationship offered in his first letter as terminated, and by this letter of January, 1944, they sought to reestablish the relationship whatever it may have been. *Here again, however, we are handicapped by the absence of the letter itself, which, of course, is material and which apparently was available.*
>
> It is true that Learned has testified that in response to this letter he stated that he wanted to make his invention freely available to the United States. However, this again, is testimony setting forth the contents of an available written document and given long after the event. *This self-serving declaration is of little or no probative value.* Thus, it seems to us that there is nothing in the record which clearly establishes that the relationship between Learned and the National Inventors Council had been reestablished, at least to such an extent that whatever the Government may have done in the line of testing the device would have inured to Learned's benefit. [Italics supplied.]

It is obvious to us that the Board gave no weight whatever to that testimony by Learned, treating it as self-serving and of little or no probative value. Again we say that under the circumstances of this case, the best evidence was available and could have been demanded by counsel for appellee who was responsible for bringing the matter into the record. When he failed to do so, however, the testimony of Learned, in the absence of fraud or better evidence, is the best evidence available and is entitled to full weight.

[2] If, in the circumstances here, we are to give Learned's testimony the weight to which we feel it is entitled, we are constrained to conclude that the letter from the Government to Learned in January 1944, inquiring Learned's attitude toward making his invention available to the Government, and Learned's testimony that he wanted it to be freely available to the Government, constituted a relationship sufficient to enable Learned to benefit from Hunter's reduction to practice. Although the Board seemed to treat Learned's testimony of his willingness to make his invention available as of no probative value at all, we find no evidence in the record to dispute Learned's testimony. There is no evidence to show that Learned ever considered his authorization to the Government withdrawn even after the noncommittal reply to his original letter of March 21, 1943. We find nothing in the record to indicate that Learned had changed his desire to make his device freely available to the Government.

We conclude, therefore, that an agency relationship was established between the Government and Learned at least as early as January 1944.

The next question is whether, in view of such relationship, Hunter's activities inured to Learned's benefit. Of course, Hunter was an employee of the Government, as were the pilots of the airplanes and the other personnel engaged in the tests at Pensacola.

The Board held that Hunter was not working on Learned's device but was working on an improvement of the device disclosed by Learned. It is to be noted, however, that Hunter consistently referred to the device which he made from the Learned disclosure as the "Learned type mirror," which was an obvious reference to the Learned disclosure. On that point, the following is quoted from the decision of the Board:

> We are of the opinion that the testimony which has been presented relative to the Pensacola tests convincingly establishes that the device was satisfactory for its intended purpose, and, therefore, that the invention in issue was fully reduced to practice at that time, i. e. February 7, 1944.

It should be noted at this point that Hunter, apparently without the knowledge of Learned, filed a patent application on July 14, 1944, which he assigned to the Government. The Board found that his claims were not broad enough to read on Learned's disclosure but that

> For the most part the claims were limited to the inclined relation of the reflector to the mirror and some included the limitation that the reflector was made of colored glass to thereby dim the image of the sun.

It seems that although Hunter originally believed himself to be the inventor of certain of the involved subject matter; viz. (1) the dimming feature and (2) placing the reflecting material at an angle to the mirror, he later discovered that the former was disclosed by Learned and apparently concluded that the latter was not patentable over the Learned disclosure. In any event, he abandoned his application in favor of Learned.

Counsel for appellee, in his brief, alleges error on the part of the Board in holding that appellee had not reduced his invention to practice prior to the filing date of April 18, 1944. It seems to us that the same standard for reduction to practice which the Board applied with respect to Learned's tests in 1933 and the tests by Thompson in 1943, was the correct legal standard and that those activities could not be said to constitute proper reduction to practice prior to the dates found by the Board.

[3] For the reasons stated, we feel the decision of the majority of the Board of Interference Examiners should be reversed and that priority of invention should be awarded to appellant Learned.

REVERSED.

PATENT SUITS

Notices under 35 U. S. C. 70; sec. 4921, R. S.

1,975,162, L. A. Layne, Method for placing divided materials at relatively inaccessible points, filed Oct. 2, 1951, D. C., S. D. Tex. (Houston), Doc. 6361, *L. A. Layne* v. *The Layne-Texas Co., Ltd., et al.*

2,014,479, C. H. Martin, Land leveler, filed Oct. 1, 1951, D. C., N. D. Calif. (San Francisco), Doc. 30920, *C. H. Martin* v. *Be-Ge Mfg. Co. et al.*

2,226,449, F. C. Stephens, Method of repairing textile fabrics, filed Aug. 31, 1951, D. C., S. D. Tex. (Houston), Doc. 6304, *National Multiweaving Co. et al.* v. *Mendit Weaving Co.*

2,230,250, A. Jackson, Lifting jack, filed Sept. 26, 1951, D. C., E. D. Mo. (St. Louis), Doc. 8165(1), *Bay Mfg. Co.* v. *Milton D. Hartman Corp. et al.*

2,441,081, Perry & McCormack, Awning, filed Oct. 3, 1951, D. C., N. D. Ala. (Birmingham), Doc. 702, *Four-Way Awning Co.* v. *Eugene L. Evans Mfg. Co.*

2,447,354, M. A. Morrill, Rotary side delivery rake; 2,472,260, same, Side delivery rake, filed Oct. 5, 1951, D. C., S. D. Calif. (Los Angeles), Doc. 13545–C, *West Coast Sales & Service Co. et al.* v. *Kelly Ryan Equipment Co. et al.*

2,459,110, S. P. Midouhas, Collapsible clothes line; T. M. 535,122, Kampak, Inc., Outdoor and indoor clothes dryer, filed Oct. 4, 1951, D. C., S. D. N. Y., Doc. 70/83, *Kampak, Inc.* v. *Goldsmith Bros., Inc.* Doc. 70/84, *Kampak, Inc.* v. *Litehouse Builders Supplies, Inc.*

2,472,260. (See 2,447,354.)

2,473,290, G. E. Millard, Apparatus for plating journals of crankshafts, filed Sept. 24, 1951, D. C., N. D. Calif. (San Francisco), Doc. 6552, *G. E. Millard et al.* v. *Precision Engineering & Chrome Co. et al.*

2,480,093, C. R. Anderson, Method of and apparatus for pumping liquid oxygen, appeal filed Sept. 29, 1951, C. C. A., 4th Cir. (Baltimore), Doc. 6347, *Boston Metals Co.* v. *Air Products, Inc.*

Re. 23,354, L. W. Storm, Jar, filed Sept. 20, 1951, D. C., S. D. Tex. (Houston), Doc. 6342, *Johnston Oil Field Supply Co.* v. *The Bowen Co. of Texas et al.*

Des. 150,851, J. B. Grinoch, Pleated necktie, D. C., Calif. (Los Angeles), Doc. 12923–PH, *Jacob B. Grinoch* v. *Bel-aire, Ltd.* Defendant has not infringed patent; complaint dismissed Sept. 28, 1951.

Des. 151,732, W. G. Bley, Lady's stocking, filed Sept. 26, 1951, D. C., E. D. Pa. (Philadelphia), Doc. 12754, *Sanson Hosiery Mills, Inc. et al.* v. *Smart Hosiery Shoppe et al.* Doc. 12755, *Sanson Hosiery Mills, Inc., et al.* v. *Kitty Hosiery Co. et al.* Doc. 12780, *Sanson Hosiery Mills, Inc., et al.* v. *Joy Hosiery Shops.* Doc. 10197, *Sanson Hosiery Mills, Inc.* v. *Germantown Hosiery Co., Inc.* Consent judgment favor plaintiff and granting injunction Oct. 4, 1951.

Des. 153,538, J. L. Moore, Hat, D. C., W. D. Okla. (Oklahoma City), Doc. 4453, *Moore Hat Co.* v. *C. R. Anthony Co.* Judgment; claims held invalid; complaint dismissed Oct. 2, 1951.

Des. 160,500, L. Jolson, Sewing machine, suit for declaratory judgment, filed Sept. 25, 1951, D. C., S. D. N. Y., Doc. 70/19, *Barclay & Co., Inc.* v. *Necchi Sewing Machine Sales Corp. et al.*

TRADE-MARK SUITS

Notices under 15 U. S. C. 1116; act of July 5, 1946

T. M. 88,788, Austin Reed, Ltd., Shirts, pants, etc., filed Sept. 7, 1951, D. C., S. D. N. Y., Doc. 69/338, *Austin Reed, Ltd.* v. *Summit Mills Corp.*

T. M. 334,168, St. George Textile Corp., Rayon and cotton piece goods, D. C., S. D. N. Y., Doc. 69/243, *St. George Textile Corp.* v. *Andrea Fashions, Inc.* Consent decree, defendant enjoined Sept. 26, 1951.

T. M. 410,313, L. G. Gusler, Hand cleaner, filed Oct. 1, 1951, D. C., E. D. Pa., Doc. 12770, *Gusler Products Co.* v. *Publicker Industries, Inc.*

T. M. 416,092, The Rainbow Art Co., Hand decorated glassware, D. C., S. D. W. Va. (Huntington), Doc. 536, *Rainbow Art. Co., Inc.* v. *Sears, Roebuck and Co.* Prayer for injunction denied (notice Sept. 26, 1951).

T. M. 535,122. (See 2,459,110.)

NOTICES

Extension of Patents Granted

Reissue Patent No. 23,245. METHOD OF FRACTIONATING VAPORS. Granted July 4, 1950. Florian V. Atkeson. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 3 years and 315 days from the expiration of the original term thereof.

Patent No. 1,871,877. APPARATUS FOR CORRELATING SPACED POINTS OF OBSERVATION. Granted Aug. 16, 1932. Henry H. Buckman. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 214 days from the expiration of the original term thereof.

Patent No. 2,233,119. CANDLE DECORATION FOR PASTRY, ETC. Granted Feb. 25, 1941. Miles Anderson. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 6 years and 106 days from the expiration of the original term thereof.

Patent No. 2,127,715. SPRAY HEADS. Granted Aug. 23, 1938. Ernest N. Bonner. The above cited patent has been extended under the provisions of the act of June 30, 1950, 64 Stat. 316, for 2 years and 263 days from the expiration of the original term thereof.

Roster of Attorneys and Agents

The Patent Office has recently published a new edition of the booklet Roster of Attorneys and Agents Registered to Practice Before the U. S. Patent Office.

This edition like the preceding one is an extract of the official roster maintained by the Patent Office. However, it is distinguished from the previous edition in that it has been expanded to provide, in addition to listings arranged geographically, listings arranged alphabetically under each section. The three sections are (1) Individuals in the United States, (2) Firms, and (3) Individuals in Foreign Countries. Each section contains Part I, Arranged Alphabetically, and Part II, Arranged Geographically.

This publication may be ordered from the Commissioner of Patents, Washington 25, D. C. Price $1.75 per copy. Patent Office coupons are acceptable in payment for this publication.

T. B. MORROW,
Executive Officer.

Classification Order No. 111

September 19, 1951

The following transfer from Division 21 to Division 53 is hereby ordered to take effect Tuesday, September 25, 1951:

Class 224, Package and Article Carriers

M. C. ROSA,
Acting Executive Primary Examiner.

Adjudicated Patent

(C. A. Md.) Orrison Patent No. 2,118,796, for ice product and process of making same, claims 1 to 7, inclusive, *Held* invalid. *Orrison et al. v. C. Hoffberger Company*, 190 F.2d 787; 90 USPQ 6.

Disclaimers

2,463,416.—*Arnold T. Nordsieck*, New York, N. Y. ANODE FOR STRAPPED MAGNETRONS. Patent dated Mar. 1, 1949. Disclaimer filed Oct. 3, 1951, by the assignee, *United States of America, as represented by the Secretary of the Army.*

Hereby enters this disclaimer to claims 1, 3, 4, and 5 of said patent.

2,500,345.—*Gustave D. Cerf*, Livingston, N. J. MAGNETO Patent dated Mar. 14, 1950. Disclaimer filed Oct. 4, 1951, by the assignee, *Thomas A. Edison, Incorporated.*

Hereby enters this disclaimer to claim 2 of said patent.

2,556,651.—*Louis H. Howland*, Watertown, and *James A. Reynolds*, Naugatuck, Conn. SHORTSTOPPING AGENT FOR EMULSION POLYMERIZATIONS. Patent dated June 12, 1951. Disclaimer filed Sept. 12, 1951, by the assignee, *United States Rubber Company.*

Hereby enters this disclaimer to claims 1 to 5 of said patent.

Price of the Official Gazette

The Superintendent of Documents has informed the Commissioner of Patents that effective October 30, 1951, the annual subscription to the OFFICIAL GAZETTE is increased to $38.75 for domestic mailing with an additional charge of $10.50 for foreign mailing. Single copies are now 75 cents each.

T. B. MORROW,
Executive Officer.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,500,666. Jack Top. Patented Mar. 14, 1950. A jack head attachment for piston of a standard hydraulic lifting jack wherein a push and pull action can be obtained for moving heavy objects. Jack head comprises an upper cap member and a lower member coupled by an integral ball and socket joint. The lower member has a socket to snugly receive the upper end of the piston of a jack. A series of adjustable pull cables having their upper ends secured to the cap member diverge downwardly with their lower ends connected to a lift plate below the jack. (Owner) M. L. Dell, Nicholls, Ga. Group 35—61—69. Reg. No. 44,995.

Pat. 2,554,571. Fountain Paintbrush for Use in Painting Corner Areas. Patented May 29, 1951. Paint brush is useful for painting the corner area between a wall and a ceiling for obtaining a sharp separation of color between the wall and ceiling. It comprises a body portion of generally rectangular contour with rollers at the front and top to engage the wall and ceiling, and a brush at the upper front cutaway corner. A nozzle in the brush is connected by a conduit to a manually collapsible pumping cylinder, which is in turn connected by a conduit to a paint reservoir. Check valves in the conduits allow flow of paint from the reservoir into the cylinder, and flow from the cylinder to the nozzle, but prevent reverse flow. A slidable, adjustable plate extends over brush and serves as a guide when painting a wall around a door jamb or the like. (Owner) Garrett L. Heishman, Sr., R. D. 2, Carlisle, Pa. Group 39—22. Reg. No. 44,996.

Pat. 2,548,933. Water Faucet. Patented Apr. 17, 1951. An ornamental casing, molded to simulate the head of an animal such as a cat, is applied to or molded about the dual valves of a hot and cold water faucet, leaving the nozzle preferably uncovered. The faucet and valves are so constructed that the ears of the animal are used to jointly or separately manipulate the valve levers of the faucet. (Owner) Victor Barnett, R. R. 12 Darmstadt Rd., Evansville, Ind. Groups 30—31—32; 33—61; 39—81. Reg. No. 44,997.

Pat. 2,362,559. Airport Fueling Mechanism. Patented Nov. 14, 1944. Reg. No. 44,998.

Pat. 2,544,917. Airport Fueling Apparatus. Patented Mar. 13, 1951. Reg. No. 44,999.

Pat. 2,556,425. Airport Fueling Mechanism. Patented June 12, 1951. Reg. No. 45,000.

These three patents relate to airport fueling mechanism and parts thereof adapted for high delivery of fuel to airplanes or other vehicles. Provision is made for withdrawing fuel from the tanks of airplanes or other vehicles when necessary. The collapsible delivery hose may be of large diameter and is exhausted of fuel after delivery and moved and stored dry. The fueling and defueling may, where necessary, be controlled from a point remote from the source of fuel supply. (Owner) The Wayne Pump Company. Correspondence to W. J. Joyce, Jr., Research Director, The Wayne Pump Company, Fort Wayne 4, Ind. Group 35—61.

Pat. 2,494,635. Compressor for Jet Propelling Apparatus. Patented Jan. 17, 1950. Air compressor for aircraft jet engine is shown mounted in horizontal position in the lower portion of the fuselage. The compressor embodies an elongated cylindrical tube having its front open end communicating with the atmosphere, and its rear end terminating in a pair of reduced conical passages connected by conduits to engine. A fan inside the tube forwardly of the passages consists of a plurality of fan blades secured to a shaft journaled in spiders within the tube. A bevel gear on the forward end of the fan shaft is driven by a similar gear on a shaft connected to an electric motor within the fuselage. (Owner) Lewis Sherman, 713 West Broad St., Horseheads, N. Y. Groups 35—61; 37—22. Reg. No. 45,001.

Pat. 2,470,138. Tamperproof Mailbox. Patented May 17, 1949. Mailbox to be mounted on outer face of door or door jamb adjacent the hinged side of the door. A receptacle has a mail-receiving slot at its top and a mail-discharge opening at bottom closed by a hinged plate. A latch attached to mail box coacts with the door jamb to prevent the plate from being opened as long as door remains closed. When door is opened, the latch may be retracted and the mail removed. (Owner) Charles B. Browning, 1791 E St., Napa, Calif. Groups 25—99; 33—59—73; 39—81. Reg. No. 45,002.

Pat. 2,549,329. Barrelmaker for Toy Barrels. Patented Apr. 17, 1951. Toy barrel-making device for children includes a stand with a semi-circular recess in top panel. Platform on base of stand has a circular opening half of which registers with recess in top panel. A tilted U-shaped treadle hinged to base straddles the platform. A looping strand attached to sides of treadle is loosely threaded through openings in top panel on opposite sides of the recess. Lowermost hoop and loose staves are placed in circular opening and treadle operated to tighten the strand about staves so upper hoops can be placed thereon. (Owner) Clayton James Niebuhr, 3507 Syracuse Ave., Dearborn, Mich. Group 39—41. Reg. No. 45,003.

Pat. 2,552,012. Antipickable Lock. Patented May 8, 1951. Lock has an internal key plug which prevents access to the tumbler pins. A key passage in plug is provided at an angle to a shielded passage into which the tumbler pins extend. The key is inserted and turned to bring the radially extending portion of key into alignment with the rear end of the passage. The key is then pulled outwardly to cause the radial portion to enter the passage and raise the tumbler pins and plungers so that the plug and a surrounding sleeve may be turned to unlocking position. (Owner) L. R. O'Kane, 5440 5th Ave., Apt. 13, Pittsburgh 32, Pa. Group 33—59—98. Reg. No. 45,004.

Pat. 2,555,034. Automatic Leveler for Harvesters. Patented May 29, 1951. Automatic control for a leveling device of a harvester eliminates the need for manual control of the leveling device as the harvester proceeds along a hillside. The control includes a gyroscope with a switch arm responsive to tilting of harvester. A set of contacts to be engaged by the switch arm control a pair of solenoids having a common plunger for operating an actuating member of the leveling device. The plunger is held in neutral position by a latch mechanism. A second set of contacts to be engaged by the switch arm control the latch operating solenoid. A third set of contacts operated by the latch mechanism are connected in series with the solenoids and first set of contacts. (Owner) Forrest J. Hay, Route 3, The Dalles, Oreg. Group 35—22. Reg. No. 45,005.

Pat. 2,527,281. Drive Mechanism for Self-Propelled Vehicles. Patented Oct. 24, 1950. Locomotive-driving mechanism whereby a single unidirectional turbine may be used to drive a locomotive both forward and backward. A primary driving shaft coupled to the turbine shaft has a fixed herringbone gear meshing with similar gears rotatably mounted on forward and reverse drive shafts. The forward and reverse shafts are geared together for rotation in opposite directions and also geared to the axles of pairs of driving wheels. Pairs of clutch collars slidably but non-rotatably mounted on the forward and reverse shafts may be slid into and out of clutching engagement with the gears on these shafts. Hydraulic mechanism is provided for selective operation of the collars. (Co-owner) Earl V. Varcoe. Correspondence to Howson & Howson, Woodward Building, 15th and H Sts., N. W., Washington 5, D. C. Group 37—11. Reg. No. 45,006.

E. I. du Pont de Nemours and Company has placed on the Register, as available for licensing on reasonable terms, 347 patents contained in Schedules XXI and XXII, which will be published in this and succeeding issues of the OFFICIAL GAZETTE. These patents are in addition to more than 5,400 patents registered by this company and published during 1948, 1949, and 1950 in Schedules I-XX.

The present listing includes Reg. Nos. 45,007 through 45,110. Groups 20—95; 22—13—14—23—35—51—53—54—94—97—98; 23—21; 25—62—71—94; 26—39—63; 28—11—12—29—31—32—33—34—41—51—61—81—83—86—88—89—99; 29—11; 32—95—97; 33—12—66—X2; 34—19—72; 35—22—42—52—59—61; 36—19—31—61; 39—12—81.

Inquiries concerning these patents should be addressed to: Patent Division, E. I. du Pont de Nemours and Company, Wilmington, Del.

Pat. 1,983,997. Celluloid Article and Method of Making Same. Jan. 1, 1935. Method of making a tubular article by helically winding stripe of celluloid material on a rigid tubular mounting member.

Pat. 1,999,996. Preparation of Benzanthronyl Selenoethers. Apr. 30, 1935. Preparation of Bz-1:Bz-1'-benzanthronyl-selenoethers by heating to reaction temperature a compound of the group consisting of a Bz-1:Bz-1'-benzanthronyl diselenide, a Bz-1-benzanthronyl-alkali-metal selenolate and a Bz-1-benzanthronyl selenol in a solvent.

Pat. 2,008,712. Organic Fluorine Compounds and Process for the Production Thereof. June 18, 1935. Process of reacting a fluorinating agent with a compound (containing at least one acyclic carbon atom having attached thereto an aromatic radical and at least one halogen atom other than fluorine) in the presence of a phosphorus or antimony halide. Claims 2-chloro-α, α'-hexachloro (or hexafluoro)-m-xylene.

Pat. 2,008,746. Coating Composition and Method of Making Same. July 23, 1935. A coating composition comprising a pigment and a synthetic drying oil which is a liquid non-volatile polymer of an unsaturated non-benzenoid hydrocarbon.

Pat. 2,028,103. Anthrimide Carbazole Vat Dyestuffs and Process of Preparing the Same. Jan. 14, 1936. Preparation of a khaki vat dye by fusing pentanthrimide with aluminum chloride at not above 200° C. and oxidising the product.

Pat. 2,031,497. Fuel. Feb. 18, 1936. A compression ignition fuel containing a fuel oil boiling above the gasoline range containing nitrates of branched chain alcohols having at least 4C atoms obtainable by the catalytic hydrogenation of carbon monoxide.

Pat. 2,034,459. Process of Preparing Aryl-Mercaptans and Derivatives Thereof. Mar. 17, 1936. Hydrolysis of mercapto-aryl-thiazoles by heating with caustic alkali in a non-aqueous medium.

Pat. 2,036,663. Preparation of Anthrimide Carbazole Dyestuffs of the Anthraquinone-Acridone Series. Apr. 7, 1936. Preparation of anthrimide carbazole dyes by heating an anthrimide containing at least one anthraquinone benzacridone group with aluminum chloride in nitrobenzene.

Pat. 2,037,654. Process for the Preparation of Organic Acids From Ketones. Apr. 14, 1936. The process of producing an organic acid which comprises reacting a lower aliphatic ketone, steam and carbon monoxide.

Pat. 2,048,043. Method for the Preparation of Thiuram Mono-Sulphides. July 21, 1936. Process of producing thiuram monosulfides which comprises conducting a reaction between phosgene and a dithiocarbamic acid metal salt.

Pat. 2,053,421. Cracked Distillate of Petroleum. Sept. 8, 1936. Cracked gasoline containing a dihydroxy anthraquinone as a gum inhibitor.

Pat. 2,061,617. Sulphonic Acid Derivatives of Aliphatic Hydrocarbons Useful as Wetting and Cleansing Agents. Nov. 24, 1936. Surface active substances of the class consisting of hydroxy sulfonic acids and sulfonates in which a hydroxy group and a sulfonic acid radical are attached to the last two carbon atoms of a branched chain aliphatic hydrocarbon of at least 8 carbon atoms.

Pat. 2,061,618. Sulphonated Hydrocarbon Derivatives. Nov. 24, 1936. Preparation of surface active compounds by reacting an unsaturated aliphatic hydrocarbon of at least 8 carbon atoms and having an unsaturated bond at the end of the chain with a strong sulfonating agent, hydrolysing, neutralising and recovering the water-soluble sulfonated hydrocarbon oil.

Pat. 2,061,619. Sulphonated Aliphatic Hydrocarbon Derivatives, Useful as Wetting and Cleansing Agents. Nov. 24, 1936. Preparation of surface-active compounds by reacting an aliphatic unsaturated hydrocarbon containing at least 8 carbon atoms and having a double bond at the end of the chain, with a halogen sulfonic acid in the presence of a halogenating catalyst.

Pat. 2,061,620. Sulphonated Derivatives of Aliphatic Hydrocarbons Useful as Wetting and Cleansing Agents. Nov. 24, 1936. Preparation of surface-active compounds by reacting an aliphatic unsaturated hydrocarbon, having at least 8 carbon atoms and a double bond at the end of the chain, with a strong sulfonating agent in the presence of an inorganic oxide or silver salt as sulfonating catalyst and hydrolysing the product.

Pat. 2,063,416. Triisopropyl-Naphthalene-Beta-Sulphonic Acid Compounds and Process for Preparing Them. Dec. 8, 1936. An aqueous paste, useful as a wetting agent containing the ammonium salt of tri-isopropyl-naphthalene-beta-sulfonic acid.

Pat. 2,066,506. Fuel. Jan. 5, 1937. Compression ignition fuel containing a high boiling fuel oil and a nitrate of an aliphatic polyhydric alcohol.

Pat. 2,074,306. Process for the Preparation of Anthraquinone Compounds. Mar. 16, 1937. In the process for preparing 6-halogen-1-anthraquinonesulfonic acid by the direct sulfonation of beta-halogen-anthraquinone, the steps which comprise diluting the sulfonation mass in water and precipitating the 6-halogen-1-anthraquinone-sulfonic acid as the sodium salt.

Pat. 2,077,488. Azo Pigment Dyes and Their Production. Apr. 20, 1937. Bright orange pigment dyes are prepared by diazotising 3-nitro-4-amino-anisole and coupling it to aceto-acet-para toluidide.

Pat. 2,088,407. Rubber-Like Materials and Process for Preparing Same. July 27, 1937. Mixed latices of rubber and neoprene are stabilized by higher alkyl sulfate ester salts.

Pat. 2,097,867. Preparation of Anthraquinone Dithiazoles. Nov. 2, 1937. Preparation of anthraquinone 1,2,5,6-bis (C) phenyldithiasole by fusing 2,6-diaminoanthraquinone with bensotrichloride and sulfur in a high boiling solvent in the presence of iodine.

Pat. 2,100,527. Preparation of Amino-Halogen Anthraquinones. Nov. 30, 1937. Process for preparing 1-amino-6-halogen-anthraquinone by reacting 6-halogen-1-anthraquinone sulfonic acid alkali metal salts with ammonia under pressure at a temperature not sufficiently high to cause replacement of the halogen atom.

Pat. 2,109,929. Preparation of Amino Acids. Mar. 1, 1938. Reacting an excess of liquid ammonia with halogen-containing carboxylic acids in which (a) the halogen atoms and carboxyl groups are separated by saturated aliphatic hydrocarbon radicals, and (b) carbon atoms to which the halogens are attached are joined to at least two carbon atoms.

Pat. 2,126,137. Color Photographic Structure. Aug. 9, 1938. A stripping film for color photography comprises a plurality of layers sensitive to different colors separated by thin stripping layers of a transparent soap.

Pat. 2,129,665. Esters of Methacrylic Acid. Sept. 13, 1938. Compositions of oleyl methacrylate, polymeric oleyl methacrylate, polymeric methacrylic acid ester of an unsaturated alcohol, and the process of preparing the same.

Pat. 2,129,722. Esters of Methacrylic Acid. Sept. 13, 1938. Polymeric methacrylic acid ester of an aliphatic polyhydric alcohol prepared by heating the ester to 60° C.–100° C. in the presence of benzoyl peroxide.

Pat. 2,133,810. Method for the Production of Cellulosic Structures. Oct. 18, 1938. Coagulation and regeneration of viscose sponges by means of the heat produced by an alternating electric current.

Pat. 2,139,689. Antistatic Photographic Film. Dec. 13, 1938. Photographic films are provided with an antistatic layer of a polymeric amino nitrogen compound e. g., deacetylated chitin, insoluble in water and 5% aqueous ammonia but soluble in 5% aqueous acetic acid.

Pat. 2,150,092. Process for the Preparation of Anthraquinonediphenyldithiasoles. Mar. 7, 1939. Preparation of anthraquinone diphenyldithiasoles by the sulfur-benzotrichloride fusion of a mixture of 2,6- and 2,7-diaminoanthraquinones.

Pat. 2,166,181. Color Photography. July 18, 1939. A photographic gelatino silver halide emulsion containing an alkoxy monohydric phenol in which the alkoxy group contains at least 8 carbon atoms and the position para to the hydroxyl group is unoccupied.

Pat. 2,167,434. Vat Dyestuff of the Anthraquinone Series and Process for Producing the Same. July 25, 1939. 1,4,5-trichloroanthraquinone is condensed with 3 mols 1-amino-anthraquinone and the resulting anthrimide fused with aluminum chloride in the presence of a flux. The product is oxidized with sodium dichromate in dilute sulfuric acid to give a khaki vat dye of excellent fastness properties.

Pat. 2,167,997. Preparation of Metal Percarbonates. Aug. 1, 1939. Sodium percarbonate prepared by reacting Na_2O_2 with 190 Vol. H_2O_2 to form $Na_2O_2.0.5\ H_2O_2.H_2O$ and carbonating the latter.

Pat. 2,169,199. Dull Finish Cellulose Derivative Coating. Aug. 8, 1939. A non-crocking dull finish coated fabric in which the top-coat consists of a solution of cellulose nitrate containing fine particles of cellulose acetate.

Pat. 2,169,200. Dull Finish Coated Fabric and Process of Making the Same. Aug. 8, 1939. Process for preparing non-crocking dull finish coated fabric by applying a top-coat to a coated fabric which consists of a clear dispersion of cellulose nitrate containing fine particles of cellulose acetate.

Pat. 2,172,752. Azo Dyes. Sept. 12, 1939. Black dyes for cellulose acetate are prepared on the fiber from an azo compound obtained by coupling an (alkyl, hydroxy alkyl)-amino aryl compound to a diazotised-p-nitro or acylamino aniline.

Pat. 2,180,299. Process for the Preparation of Anthraquinone Compounds. Nov. 14, 1939. Process of purification of dibenzanthrone or isodibenzanthrone by agitating the crude compound, at a temperature not exceeding 50° C., in sulfuric acid of a concentration in which the compound is substantially but not completely dissolved until it is converted into large, readily filterable crystals.

Pat. 2,182,794. Photographic Elements Containing Antihalation Layers. Dec. 12, 1939. Photographic films are provided with an antihalation layer of a polymeric amino nitrogen compound, e. g., deacetylated chitin, insoluble in water and 5% aqueous ammonia but soluble in 5% aqueous acetic acid.

Pat. 2,182,814. Photographic Film. Dec. 12, 1939. A photographic element comprises at least one light sensitive layer releasably joined to a support or an adjoining light sensitive layer by means of an adhesive layer of a polymeric amino nitrogen compound insoluble in water or 5% aqueous ammonia, but soluble in 2–5% aqueous acetic acid.

Pat. 2,189,817. Color-Forming Photographic Composition, Element and Process. Feb. 13, 1940. A color-forming silver halide emulsion comprising a color-forming compound of the general formula R—O—R' wherein R is an alicyclic hydrocarbon radical and R' is an aromatic hydrocarbon radical containing at least one hydroxyl group.

Pat. 2,191,367. Laminated Product. Feb. 20, 1940. A laminated product comprising at least two laminae bonded to an interlayer of synthetic linear condensation polymer.

Pat. 2,194,159. Safety Pressure Relief Device. Mar. 19, 1940. Frangible disc type safety device for pressure relief.

Pat. 2,202,990. Methine Dyestuffs. June 4, 1940. N:N'-dialkyl monomethine cyanine salts having a benzobisthiazole nucleus.

Pat. 2,202,991. Polymethine Dyes and Preparation Thereof. June 4, 1940. Symmetrical carbocyanine dyes having benzobisthiazole terminal nuclei.

Pat. 2,202,992. Photographic Material. June 4, 1940. A gelatino silver halide photographic emulsion containing as a sensitizer, a bisazole methine cyanine dye, e. g., a derivative of a benzobisthiazole nucleus.

Pat. 2,204,978. Method for Producing Cyclohexane and Acetone. June 18, 1940. Reacting isopropanol and benzene at pressures above one atmosphere and at least 70° C. in the presence of a catalyst active for dehydrogenation and hydrogenation.

Pat. 2,205,418. Process for the Preparation of Dichloroindanthrone. June 25, 1940. A dichloroindanthrone of maximum bleach fastness is made by chlorinating indanthrone in nitrobenzene, using iron as a catalyst.

Pat. 2,211,624. Organic Substituted Acetic Acid. Aug. 13, 1940. The production of an acyl-oxy acetic acid which comprises reacting formaldehyde, an organic acid, and carbon monoxide in the substantial absence of water.

Pat. 2,211,742. Production of Tubing. Aug. 13, 1940. An apparatus for molding thermoplastic material in strip form into tubing.

Pat. 2,212,028. Dyestuff of the Anthraquinone Series. Aug. 20, 1940. Preparation of orange dyes for cotton by condensing one mol of 1,5-diaminoanthraquinone with 2 mols of 1-bensoylamino-5-chloroanthraquinone or one mol of 1,5-dihaloanthraquinone with 2 mols of 1-amino-5-bensoylaminoanthraquinone and ring-closing the resulting trianthrimide to the anthrimide carbazole derivative.

Pat. 2,212,029. Dyestuff of the Anthraquinone Series. Aug. 20, 1940. Manufacture of a new olive anthraquinone vat dye which comprises fusing 1-(6-bromo-Bz-1'-benzanthronyl) aminoanthraquinone with caustic alkali until a product substantially free from bromine is obtained.

Pat. 2,212,151. Hydrogenation of Polymeric Acyloins. Aug. 20, 1940. Polymeric acyclic hydrogenated acyloins of open chain dicarboxylic acids, said acyloin containing a recurring CHOH—CHOH unit.

Pat. 2,213,557. Produce Coating Composition. Sept. 30, 1940. A produce coating composition and method employing an aqueous emulsion, the dispersed phase of which is a thermoplastic synthetic resin containing mainly the class polyvinyl and polyacryl compounds polymerized in situ.

Pat. 2,214,205. Photographic Film. Sept. 10, 1940. A photographic film having a protective layer over the light sensitive coating, said layer being transparent and including materials soluble in water and other materials insoluble in water which retain a sponge-like structure on drying, e. g., the coating may comprise a mixture of gum arabic, polyethylene glycol and a hardener.

Pat. 2,218,032. Preparation of Glutaconic Acid. Oct. 15, 1940. Glutaconic acid ex propiolic acid and NaOH.

Pat. 2,228,268. Cyclic Acyloins and Process for Producing Them. Jan. 14, 1941. Cyclic acyloins by dispersing alkali metal with a neutral lower aliphatic monohydric alcohol ester of an open chain dicarboxylic acid.

Pat. 2,232,515. Synthetic Resin Prepared by Interpolymerizing a Mixture of a Methacrylic Acid Ester and a 1,3-Butadiene. Feb. 18, 1941. A synthetic resin consisting of 80–96% methyl methacrylate and 4–20% of 1,3-butadiene, and the process for preparing such interpolymer in granular form.

Pat. 2,238,669. Preparation of Silicanes. Apr. 15, 1941. Process for making organic silicon compounds in which all four valences of silicon are attached to carbon by reacting a silicon fluoride compound with an organo-metallic sodium compound; e. g., reacting silicon tetrafluoride with chlorobenzene and sodium.

Pat. 2,254,395. Pigment. Sept. 2, 1941. Insoluble yellow and red azo compounds useful for pigmenting rubber, inks and paints are prepared by coupling a tetrazotized 3,3'-diphenyl benzidine with azo coupling components having an active methylene group in a tautomeric enol form.

Pat. 2,260,924. Luminescent Screen. Oct. 28, 1941. A luminescent screen comprising a mixture of manganese-activated cadmium silicate, mixed with other luminescent substances of different color to produce a substantially white fluorescence with an after-glow of the order of one-fifteenth second.

Pat. 2,264,811. Polymerization of Conjugated Diolefinic Hydrocarbons to Drying Polymers. Dec. 2, 1941. Polymerization of butadiene to drying oils with sodium catalyst.

Pat. 2,265,948. Catalytic Oxidation of Lower Aliphatic Hydrocarbons. Dec. 9, 1941. Preparation of various acids, ketones, esters, and alcohols by oxidizing normally gaseous saturated hydrocarbons in the presence of an oxidation catalyst and a peroxide type oxidation initiator.

Pat. 2,268,350. Method of Preparing Luminescent Magnesium Tungstate. Dec. 30, 1941. Luminescent magnesium tungstate is prepared from solutions of magnesium chloride and sodium tungstate by mixing and then heating to above 60° C. to crystallize out magnesium tungstate as a granular mass.

Pat. 2,271,378. Pest Control. Jan. 27, 1942. Pest control composition and method employing as active ingredient a linear polymeric onium salt in which the linear polymeric unit contains at least seven chain atoms, two of which are sulfur, nitrogen or phosphorus separated by organic radicals, etc.

Pat. 2,273,269. Preparation of Organic Esters. Feb. 17, 1942. In a process for the preparation of oxygenated organic compounds the step which comprises reacting a methylene glycol di-ether with carbon monoxide.

Pat. 2,276,094. Alpha, Beta-Unsaturated Primary Alcohol Esters of Silicic and Boric Acids. Mar. 10, 1942. A polymeric ester of boric or silicic acid with a primary alcohol having an open chain unsaturated linkage between the carbon next to the carbinol carbon and the carbon once removed therefrom.

Pat. 2,276,192. Hydrogenation of Formaldehyde. Mar. 10, 1942. The preparation of polyhydric alcohols by the hydrogenation of formaldehyde in the liquid phase at a pH above 6 in the presence of a catalyst.

Pat. 2,276,774. Oxidising Hydrocarbons. Mar. 17, 1942. Production of aromatic carboxylic acids by oxidising an alkyl benzene in the liquid phase in a lower aliphatic acid as a solvent at temperatures of 150° C. to about 250° C. wherein the oxidation is catalysed by a cobalt oxidation catalyst, the improvement which comprises carrying out the oxidation in a vessel composed of a chromium-bearing steel and in the presence of an acetic acid soluble compound of a metal of the group consisting of lead and barium.

Pat. 2,279,461. Photographic Sensitizing Dyes and Compositions Containing the Same. Apr. 7, 1942. A photographic silver halide emulsion contains a sensitizing dye of the monomethine or carbocyanine class having at least one 4-thienyl thiazole nucleus.

Pat. 2,279,421. Coccidiosis Control. Apr. 14, 1942. An internal remedy for coccidiosis control comprising tetraethyl thiuram-monosulfide.

Pat. 2,294,649. Synthetic Resins From Phenols and Acetylenic Acids. July 21, 1942. Resinous products by reacting an acetylenic acid such as propiolic acid with a phenol.

Pat. 2,291,585. Process for Producing Phenol From Cyclohexanol and Cyclohexanone. July 28, 1942. Process for the production of phenol by passing cyclohexanol or cyclohexanone over a copper-manganese chromite dehydrogenation catalyst at 350° C.–600° C.

Pat. 2,291,926. Preparation of Methyltrimethylolmethane. Aug. 11, 1942. In a process for producing methyltrimethylolmethane by reaction of formaldehyde and propionaldehyde, the step of carrying out the reaction in the presence of an alkali metal hydroxide, converting the alkali formate produced to alkali sulfate, removing the sulfate, distilling, and isolating the desired product.

Pat. 2,292,950. Catalytic Oxidation. Aug. 11, 1942. A process for the preparation of a saturated polycarboxylic acid from non-drying and semi-drying hydroxylated fatty acids and unsaturated fatty acids of more than 8 carbon atoms and their esters by means of oxidation in the presence of a catalyst.

Pat. 2,294,909. Chemical Process and Composition. Sept. 8, 1942. Photographic silver halide emulsions or developing agents therefor comprise color formers containing two dyestuff component nuclei which are bridged by an alkylidene or a substituted alkylidene group.

Pat. 2,298,186. Ester. Oct. 6, 1942. Process to prepare esters of alkoxyalkoxy alcohols.

Pat. 2,304,112. Sensitizing Dyes Containing Thienyl Thiazole Radicals and Intermediates Therefor. Dec. 8, 1942. The compounds 2 methyl 4-thienylthiazole and cyclo-ammonium salts thereof and the process of making them.

Pat. 2,305,362. Method of Casting Synthetic Organic Compounds. Dec. 15, 1942. Process of casting voidless shaped articles of synthetic superpolymers.

Pat. 2,310,371. Photographic Material Containing Envelope. Feb. 9, 1943. An envelope for photographic paper comprises an integral sealing flap with a tear strip.

Pat. 2,312,967. Chemical Process and Product. Mar. 2, 1943. Compositions of long-chain monamino acids and process of making the same by hydrogenation of ketones.

Pat. 2,319,265. Re. 23,016. Azo Dye Compositions Stabilized With Unsaturated Carboxylic Acids or Salts. May 18, 1943. A printing paste comprising an aryl diazo salt and one of a group consisting of the aliphatic carboxylic acid and their soluble metallic salts. The presence of the carboxylic acid affords a more stable paste.

Pat. 2,320,232. Process of Making 12-Ketostearamide. May 25, 1943. Treating 12-ketostearic acid, its anhydride, its esters, or its acid halides with ammonia or a primary or secondary amine to produce 12-ketostearamide.

Pat. 2,321,551. Catalytic Dehydrogenation and Hydrogenation. June 8, 1943. Process for producing phenol from benzene by subjecting benzene and cyclohexanol or cyclohexanone to a catalytic hydrogen exchange reaction.

Pat. 2,321,557. Preparation of Acetals. June 8, 1943. Reacting an acetal with (methoxymethoxy) ethanol in the presence of an acidic catalyst to produce an unsymmetrical acetal.

Pat. 2,322,759. Composition and Method. June 29, 1943. Plant regulant composition and method employing a beta-naphthoxyethanol.

Pat. 2,322,760. Composition and Method. June 29, 1943. Plant regulant composition and method employing a nuclear halogenated arylketo monocarboxylic acid.

Pat. 2,323,806. Saturated Aliphatic Higher Monoaminomonocarboxylic Acid Amides and a Method for Their Preparation. July 6, 1943. Composition of 12-aminostearamide and process of making the same.

Pat. 2,327,105. Pest Control. Aug. 17, 1943. A self-dispersible composition comprising an anhydrous liquid vehicle containing in solution rotenone, tetraethyl thiuram monosulfide and an amine salt of a higher alcohol, said vehicle being a plant spray oil containing brown camphor oil and a water insoluble liquid alcohol.

Pat. 2,333,402. Acid Wool Dyestuffs of the Anthraquinone Series. Nov. 2, 1943. Acid wool dyes of the phenylaminoanthraquinone sulfonic acid class which carry the group $-CF_3$ directly attached to the phenyl ring and which carry a sulfonic acid group in the phenyl ring. Example: 1-methylamino-4-m-trifluoromethyl-anilinoanthraquinone sulfonic acid.

Pat. 2,335,323. Pest Control. Nov. 30, 1943. A soil disinfecting and nematocide composition and method employing 1-phenyl-2-nitroethylene and/or 1-alphafuryl-2-nitroethylene.

Pat. 2,335,698. Dyestuffs of the Anthraquinone Series. Nov. 30, 1943. Red dyes of the anthraquinone thiasole group are prepared by condensing 1,5-dimercapto-2,6-diamino-anthraquinone with 1-amino-2-anthraquinone aldehyde.

Pat. 2,337,425. Manufacture of Triamino-Diphenyl-Naphthyl-Methane Dyestuffs. Dec. 21, 1943. Ortho dichlorobenzene is used as the organic liquid reaction medium in the production of a triamino diphenyl naphthylmethane dye.

Pat 2,339,094. Method of Preparing Polyaryl Selenazoles. Jan. 11, 1944. A method of making a beta-naphthoselenazole comprises treating an alpha-nitro-beta-halogeno naphthalene with a selenohydrate in a non-oxidizing atmosphere, and treating the reaction product with a reducing agent to reduce the nitro to an amino group and reacting with an anhydride of an aliphatic carboxylic acid.

Pat. 2,340,763. Photographic Composition and Process. Feb. 1, 1944. Photographic water permeable organic colloid layers and photographic developers containing a symmetrical methinyl disulfide capable of forming a dye taken from the group consisting of quinoneimine and azomethine dyes on color coupling development. Said color forming compounds having attached to each methinyl carbon atom a carbonyl group and an unsaturated activating group.

Pat. 2,341,016. Condensation of Aldehydes With Carboxylic Acids and Their Derivatives. Feb. 8, 1944. Arylacrylic acids or arylalkenes by reacting aromatic aldehydes with carboxylic acids containing an active methylene group or compounds hydrolysable to said acids in the presence of the oxides, hydroxides, carbonates, or carboxylic acid salts of alkali or alkaline earth metals.

Pat. 2,342,451. Chrome Disazo Dye. Feb. 22, 1944. Chromable disazo dyes of the formula,

$$R-N=N-Py-N\,N\,R'$$

where R is a benzene or naphthalene radical having a lake-forming group ortho to the azo bridge, Py is an aminophenylene-pyrasolone and R' is salicylic acid.

Pat. 2,346,547. Alpha-Primary Amino Carboxylic Acid. Apr. 11, 1944. Reacting a water soluble metallic cyanide and a metal salt of an amino sulfonic acid, and hydrolyzing the product.

Pat. 2,347,182. Preparation of Polymeric Sulphides. Apr. 25, 1944. Production of polymeric sulfides by reacting a mixture of a dithiol and a diene hydrocarbon containing only ethylenic unsaturation by subjecting to heat and continuing the reaction for at least 48 hours until a viscous to solid polymer is obtained. Example: decanedithiol + vinylcyclohexene-3. Products are useful adjuvants for petroleum products.

Pat. 2,348,321. Fluorine Compounds. May 9, 1944. Compounds represented by the formula $CF_3(CH_2)_nNH_2$ where $n=1$ to 5, and preparation by reaction of the corresponding organic halide with ammonia.

Pat. 2,350,350. Glycol Formals. June 6, 1944. Preparation and compositions of oxygenated organic compounds from vicinal glycols and aldehydes.

Pat. 2,350,940. Preparation of Dioxolanes. June 6, 1944. Process for inhibiting the loss of formaldehyde from the reaction of vicinal glycol and formaldehyde to produce a dioxolane.

Pat. 2,359,134. Preparation of Unsymmetrical Formals. Sept. 26, 1944. Process for the preparation of an unsymmetrical formal by reacting a formal with a glycol chlorohydrin in the presence of an acidic catalyst, and hydrolyzing the product.

Pat. 2,361,481. Red Monazo Wool Dyes. Oct. 31, 1944. Red wool dyes are prepared by coupling diazotized 2-amino-diphenyl sulfones with a gamma acid.

Pat. 2,364,438. Preparation of Organic Esters. Dec. 5, 1944. Preparing an alkyl ester by reacting a cyclic formal with carbon monoxide in the presence of an acidic catalyst, and then esterifying the product.

Pat. 2,364,455. Preparation of Acetals. Dec. 5, 1944. Heating an aldehyde and an alcohol with a hydroxy-substituted organic compound to produce an acetal.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING SEPTEMBER, 1951

S. C. JOHNSON & SON, INC. *v.* GOLD SEAL COMPANY, 173 Ms. D. 477, 90 USPQ 373, September 14, 1951, Opposition No. 27,543.

Application was made for registration on the Principal Register of the act of 1946 of the term "Glass Wax" as a trade-mark for glass cleaner and polish. Opposition was filed, the notice of opposition alleging that applicant's mark is descriptive or deceptively misdescriptive, and that opposer would be damaged in the goodwill it has established in the wax business if applicant is permitted to register the purely descriptive words "glass wax." The Examiner of Trade-Mark Interferences sustained the opposition. *Assistant Commissioners Murphy* and *Klinge* and *Examiner-in-Chief Federico* sustained.

It was held that opposer has alleged and shown sufficient interest to bring this proceeding.

It was held that it is not necessary that the opposer use the mark "Glass Wax" on any of its products, or on a product similar to applicant's, or that any of opposer's products be identical in kind or composition with that of the applicant, if the words "Glass Wax" are merely descriptive or misdescriptive of the applicant's product.

It was held that the application cannot be considered as an application filed under section 2(f) of the act of 1946, since the application was filed without the proof of distinctiveness required by the rule in force at the time the application was filed. It was accordingly held that the question of distinctiveness to overcome a charge of descriptiveness or misdescriptiveness is not in issue.

After noting that the principal question is whether applicant's mark is descriptive or deceptively misdescriptive and hence unregistrable on the application presented in view of section 2(e) of the Trade-Mark Act of 1946 which prohibits registration of marks on the Principal Register which are "merely descriptive or deceptively misdescriptive," it was held that after considering carefully all of the relevant testimony and exhibits, and the arguments of the parties, the mark "GLASS WAX" is not registrable by reason of section 2(e) of the act.

It was held that since the mark in this case is not considered registrable by reason of section 2(e), and since the application involved is held not to be an application under section 2(f), it is not necessary to determine whether registration of the mark is barred by section 2(a).

Commenting upon the Roper poll or survey, placed in the record by the opposer, it was held that the poll in case is entitled to no weight whatsoever and its evidentiary effect has been completely disregarded.

In response to opposer's assertion that the application should be rejected on the ground of fraudulent use of the trade-mark registration notice, it was held that the general practice of the Patent Office has been to reject applications for registration when the applicant has improperly used the trade-mark registration notice, but to accept explanations showing that the use was without intent to mislead the public. Applicant's explanation was accepted in this case, but it was pointed out that the explanation that the registration notice was intended to apply to the words "Gold Seal," which were registered, only emphasizes the argument that the words "Glass Wax" were not actually used as a trade-mark on the goods, but were used only in a descriptive sense.

It was held that applicant is not precluded by the decision in this case from applying for registration under section 2(f) of the act on a new application appropriately worded for this purpose, and the decision herein is without prejudice to consideration of registrability of the mark on such an application.

THE MASTER, WARDENS, SEARCHERS, ASSISTANTS AND COMMONALTY OF THE COMPANY OF CUTLERS IN HALLAMSHIRE IN THE COUNTY OF YORK *v.* CRIBBEN AND SEXTON COMPANY, 173 Ms. D. 488, 90 USPQ 380, September 21, 1951, Opposition No. 28,870.

Application was made to register the mark "Sheffield" for stoves and ranges, under the provisions of section 2(f) of the act of 1946, applicant alleging, in support of its claim of distinctiveness, that the mark has been in substantially exclusive and continuous use for a period of five years next preceding the date of filing of the application. Opposition was filed, the sole evidence introduced into the case by the opposer being its United States Registration No. 369,861 for the word "Sheffield" as applied to a large number and variety of articles of manufacture in the nature of machinery, cutlery and certain tools; a certification by the British Patent Office of a British registration for the mark "Sheffield" for a number of products, including stoves and ranges; and several extracts from the British Trade-Mark Act. The Examiner of Trade-Mark Interferences dismissed the opposition. *Assistant Commissioner Klinge* affirmed.

It was held that since opposer has introduced no testimony whatsoever concerning the various statements made in the notice of opposition, which have been denied in the answer, the entire record of the

opposer which can be considered consists of the United States registration and nothing else.

It was held that the British registration is without effect in the present proceeding since it affords the opposer no trade-mark rights in this country. Moreover, the certificate of the British Patent Office that the trade-mark was registered in Great Britain for stoves and ranges is not competent evidence to prove that the mark was actually used anywhere on stoves or ranges.

It was held that the goods specified in opposer's United States registration are clearly of a totally different character and classification from the stoves and ranges to which the applicant applies its mark "Sheffield" and in no way related thereto, so that such prima facie use of the mark afforded by opposer's registration is without any effect and can have no bearing on applicant's claim of exclusive use of its mark for the goods disclosed in its application.

It was held that the association by the applicant of the two notations "Sheffield" and "Universal" on its goods does not deprive either mark of its capability to indicate origin.

Considering applicant's proof of the use of its mark, it was held that the evidence is sufficient to establish use of the mark by applicant since 1931, and a different catalog each year is not necessary to show continuous use of the mark.

It was held that the Examiner was right in holding that it was unnecessary to consider the allegation that applicant's mark consists of deceptive matter as would preclude it from registration under the act of 1946, since there is nothing in the record in support of such allegation.

In response to opposer's contention that the Examiner of Trade-Marks should have required actual evidence of distinctiveness in addition to five years' use, it was held that opposer has offered no evidence to support this assertion, but that the Examiner of Trade-Marks may consider this matter on facts outside the record of this case when the application again comes before him.

TRADE-MARKS

OFFICIAL GAZETTE, OCTOBER 30, 1951

[VOL. 651. NO. 5]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 37

PAPER AND STATIONERY

Ser. No. 526,165. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed July 3, 1947.

Travelo

For Papeteries, i. e., Stationery Comprising Envelopes and/or Paper Either Flat or Folded, Put up in Boxes, Portfolios, or Banded Packages.

Claims use since Aug. 11, 1938.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 544,127. Springfield Seed Company, Springfield, Mo. Filed Dec. 11, 1947.



The words "Plant Something" and "Springfield" are disclaimed.

For Field Seeds, Grass Seed, Vegetable Seed, Flower Seed, Bulbs, Plants, and Nursery Stock.

Claims use since Oct. 1, 1923.

Ser. No. 577,454. F. W. Rickard, Winchester, Ky. Filed Apr. 20, 1949. (Sec. 2f.)



For Agricultural Seeds, Not Including Lawn Grass Seeds and Flower Seeds.

Claims use since January 1940.

Ser. No. 586,620. The Chemstrand Corporation, Philadelphia, Pa. Filed Oct. 21, 1949.

CHEMSTRAND

For Synthetic and Natural Resinous Materials in the Form of Sheets, Films, Bands, Tubing, and Hollow Bodies.

Claims use since Oct. 10, 1949.

Ser. No. 597,796. Vita-Cress Company, Mesa, Ariz. Filed May 19, 1950.

VITA-CRESS

The word "Cress" is disclaimed.
For White Curled Cress Seeds.
Claims use since Dec. 15, 1946.

Ser. No. 601,455. Monsanto Chemical Company, St. Louis, Mo. Filed July 29, 1950.



The words "Vinyl Film" are disclaimed.
For Vinyl Resin Materials in the Form of Films and Sheets.
Claims use since June 13, 1950.

Ser. No. 603,955. F. C. Donovan, Inc., Boston, Mass. Filed Sept. 25, 1950.



The words "Heyl" and "Kid" are disclaimed. The drawing is lined for silver.
For Leather.
Claims use since June 11, 1950.

Ser. No. 604,581. Kimberly-Clark Corporation, Neenah, Wis. Filed Oct. 7, 1950.

Kimpak

Applicant claims ownership of Registration No. 229,755.
For Fiber Products in the Form of Creped Wadding, Sheets, and Fluff, Used Principally as Padding, Packaging, and Wiping Material, and for a Variety of Associated and Non-Associated Uses.
Claims use since Feb. 2, 1927.

Ser. No. 604,748. Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres et Cie, Montreuil-Sous-Bois, Seine, France. Filed Oct. 11, 1950.



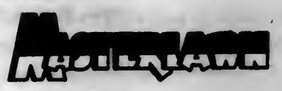
The letters UD forming part of the mark represent the initials of Ulysse Deon, deceased, who was the founder of applicant's business. The following are disclaimed apart from the mark as shown: (a) the descriptive French words "Lustre" and "Pelleterie"; (b) the geographical words "Sens (Yonne)" and "France"; (c) the grade designation "XX," one or more of such letters being used to designate grade; and (c) the French abbreviation "Rct" for "Rasé court," being also a grade designation. Applicant claims ownership of French Registration No. 330,126, dated Feb. 2, 1940.
For Dressed and Finished Hare and Rabbit Skins for Furs.

Ser. No. 607,642. Lester T. Sawyer, doing business under the name and style of Hycrest Farms, Sterling, Mass. Filed Dec. 13, 1950.

HYCREST

For Cattle.
Claims use since Oct. 26, 1950.

Ser. No. 607,668. Garden State Seed Co., Inc., Newark, N. J. Filed Dec. 14, 1950.



For Lawn Seed Mixtures.
Claims use since Nov. 10, 1947.

Ser. No. 607,762. Pride Hybrid Company, Minneapolis, Minn. Filed Dec. 16, 1950.

Prairie Blend

The word "Blend" is disclaimed.
For Hybrid Seed Corn.
Claims use since Mar. 1, 1950.

Ser. No. 609,576. United States Rubber Company, New York, N. Y. Filed Feb. 2, 1951.

USCOLITE

For Plastic Materials in the Form of Sheets, Slabs, and Tubes for Further Use in the Industrial Arts.
Claims use since Nov. 17, 1950.

Ser. No. 609,731. The Lehigh Coal and Navigation Company, Philadelphia, Pa. Filed Feb. 7, 1951. (Sec. 2f.)



The drawing is lined for red. Applicant claims ownership of Registration No. 56,244.
For Coal.
Claims use since Apr. 20, 1926.

Ser. No. 609,952. Theodor, Inc., Los Angeles, Calif. Filed Feb. 10, 1951.



For Leather.
Claims use since Jan. 17, 1951.

Ser. No. 610,075. Island Creek Coal Sales Company, Huntington, W. Va. Filed Feb. 14, 1951.



For Coal.
Claims use since Jan. 12, 1951.

Ser. No. 610,076. Island Creek Coal Sales Company, Huntington, W. Va. Filed Feb. 14, 1951.



For Coal.
Claims use since Jan. 12, 1951.

CLASS 2

RECEPTACLES

Ser. No. 532,070. Treinis Brothers, Inc., Brooklyn, N. Y. Filed Aug. 21, 1947. (Sec. 2f.)

CUSTOMKNIT

Applicant claims ownership of Registration No. 374,287.
For Bags for Storing, Wrapping, and Keeping Shoes and Made in Whole or in Part of Knit and Brushed Fabric and Combinations Thereof.
Claims use since Dec. 8, 1932.

Ser. No. 557,499. Canvas Specialty Company, New York, N. Y. Filed May 21, 1948.



The word "Brand" is disclaimed.
For Heat Insulated Canvas and Plastic Bags, and Canvas Bags.
Claims use since Apr. 1, 1946.

Ser. No. 572,512. The National Ideal Company, Toledo, Ohio. Filed Jan. 21, 1949.

PREMIER

Applicant claims ownership of Registrations Nos. 345,375 and 273,585.
For Egg Baskets, Chick and Poultry Boxes.
Claims use since January 1943.

Ser. No. 579,115. Joe Lowe Corporation, New York, N. Y. Filed May 19, 1949.

NIFTEE

Applicant claims ownership of Registrations Nos. 380,213 and 542,639.
For Bags Made of Glassine, Vegetable Parchment, Cellulose Film, or Waxed Paper.
Claims use since Mar. 13, 1940.

Ser. No. 588,913. Vogue Vanities Limited, Handsworth, Birmingham, England. Filed Dec. 6, 1949.

VOVAN

Applicant claims ownership of British Registration No. 668,038, dated Mar. 24, 1948.
For Cosmetic Powder Cases, Lipstick Cases, Mascara Cases, Eye-Shadow Cases, and Toilet Rouge Cases, Made From Base Metal or Plastic and Sold Empty in the trade.

Ser. No. 588,940. Continental Can Company Inc., New York, N. Y. Filed Dec. 7, 1949.

MONO-VEND

The representation of the goods is disclaimed. Applicant claims ownership of Registrations Nos. 416,283 and 422,747.
For Paper Cups.
Claims use since Nov. 21, 1949.

Ser. No. 596,431. Mesh Weaving Mills Co., North Kansas City, Mo. Filed Apr. 27, 1950.

VEGE-SAK

The term "Sak" is disclaimed.
For Mesh Bags for Vegetables or the Like.
Claims use since Mar. 20, 1950.

Ser. No. 596,891. White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg. Filed May 4, 1950.

SHASTA

For Self-Cooling Water Bag Made of Linen.
Claims use since Mar. 10, 1950.

Ser. No. 598,723. Wilbert W. Haase Co., Forest Park, Ill. Filed June 7, 1950.

MONAIRE

For Burial Vaults.
Claims use since Apr. 26, 1950.

CLASS 4

ABRASIVES AND POLISHING MATERIALS

Ser. No. 586,552. J. K. Smit & Sons, Inc., Murray Hill, N. J., assignor to J. K. Smit & Sons, Inc., Murray Hill, N. J., a corporation of New Jersey. Filed Oct. 19, 1949.

MIRRA-LAP

The word "Lap" is disclaimed.
For Diamond Compounds Composed of Diamond Particles Suspended in a Paste and Employed for Cutting, Lapping, and Polishing.
Claims use since Sept. 13, 1949.

Ser. No. 595,568. Super-Cut, Inc., Chicago, Ill. Filed Apr. 11, 1950.

ZURABOND

Applicant claims ownership of Registration No. 413,027.
For Diamond Abrasive Wheels.
Claims use since Mar. 1, 1950.

CLASS 5

ADHESIVES

Ser. No. 475,209. Henry Joseph, Brooklyn, N. Y. Original filed, act of 1905, Oct. 11, 1944; amended to application under act of 1946, Principal Register, Feb. 28, 1948.

BOND

The word "Bond" is disclaimed.
For Adhesive Cements, Glues, and Adhesive Promoting Coatings of Synthetic Resins Applied in Liquid Condition and Dried and Adapted To Be Reactivated by Application of a Solvent for Securing Together by Adhesion of Various Articles and Materials Such as Paper, Cloth, Metal, Pottery, Wood, Plastics, and the Like.
Claims use since July 1940.

Ser. No. 555,488. B. B. Chemical Co., Boston, Mass. Filed Nov. 10, 1948.

THERMOGRIP

For Thermoplastic Cement for Use in French Cord Bindings.
Claims use since Oct. 15, 1948.

Ser. No. 603,281. Archer-Daniels-Midland Company, Minneapolis, Minn., and Cleveland, Ohio. Filed Sept. 8, 1950.

INDUCTOL

For Core Binder Oil.
Claims use since June 15, 1950.

Ser. No. 609,383. Swift & Company, Chicago, Ill. Filed Jan. 29, 1951.

COLL-O-SOL

For Glue.
Claims use since Oct. 9, 1950.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Ser. No. 563,587. Howard A. Chittick, doing business as The Fairfax Biological Laboratory, Clinton Corners, N. Y. Filed Aug. 13, 1949.

JAPONEX

For Insecticide Adapted for the Control of the Japanese Beetle.
Claims use since May 28, 1945.

Ser. No. 573,535. Eastern Chemical Corporation, Reading, Pa. Filed Feb. 9, 1949. (Classified in Class 52.)

Ultron

For Cleaner for Mechanical Dishwashing Having Water-Conditioning Properties.
Claims use since Sept. 1, 1948.

Ser. No. 575,622. Blue Magic, Inc., Ardmore, Pa. Filed Mar. 18, 1949.

DURA STARCH

The word "Starch" is disclaimed.
For Liquid Starch.
Claims use since May 14, 1946.

Ser. No. 580,162. Jacques Wolf & Co., Clifton, N. J. Filed June 8, 1949. (Classified in Class 52.)

PARNOL

For Sodium Salt of Dodecyl Benzene Sulfonate Which Is Used as a Detergent, Wetting Agent, Dye Assistant for Cotton, Rayon, Acetate Rayon, Wool, Silk and Other Natural and Synthetic Fibers; Also Used for Household Laundry, Floor, Furniture, Woodwork, Dishes, Porcelain, Wallpaper, and in Cleaning Compositions for Upholstery, Leather Gloves, Shoes, Automobiles, Windows, Windshields; in Hand Soaps and Scouring Powders.
Claims use since Jan. 28, 1949.

Ser. No. 603,434. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Sept. 12, 1950. (Sec. 2f.) (Classified in Class 52.)

BOWES SEAL FAST

The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 329,168, 236,271, 366,508, and 150,667.
For Compound for Removing Rust and Scale From Radiators and for Inhibiting and Removing Rust From Engine Cooling Systems.
Claims use since Jan. 1, 1927.

Ser. No. 608,007. Mathew Klein, doing business as Garden State Dairy Laboratory, Irvington, N. J. Filed Dec. 22, 1950.

SEE-BAC

For Bacteria Culture Medium Disposed in a Sterile Container and Intended for Use in Determining Quantitatively the Bacterial Population on a Chosen Surface.
Claims use since Dec. 5, 1950.

Ser. No. 609,075. Chemico, Inc., Cuyahoga Falls, Ohio. Filed Jan. 22, 1951.

RETARDEX

For Retarder of Prevulcanization in the Vulcanizing of Rubbers.
Claims use since July 24, 1930.

Ser. No. 609,546. Geigy Company, Inc., New York, N. Y. Filed Feb. 2, 1951.

TOMORIN

For Preparation for Killing Weeds and Destroying Vermin, Rodenticides; and Disinfectants.
Claims use since Jan. 11, 1951.

Ser. No. 609,822. Undertakers Supply Co., Chicago, Ill. Filed Feb. 8, 1951.

DEODISPRAY

For Deodorant and Disinfectant.
Claims use since Nov. 30, 1950.

Ser. No. 609,823. Undertakers Supply Co., Chicago, Ill. Filed Feb. 8, 1951.

ICOSONAL

For Embalming Fluid.
Claims use since Nov. 6, 1950.

Ser. No. 609,825. Ward Leonard Electric Company, Mount Vernon, N. Y. Filed Feb. 8, 1951.

CHROMASOL

For Plating Solutions.
Claims use since Jan. 9, 1951.

Ser. No. 609,847. Culligan Zeolite Company, Northbrook, Ill. Filed Feb. 9, 1951.

CULLNEU

For Calcium Carbonate for Use in Treating and Conditioning of Water.
Claims use since Mar. 1, 1947.

Ser. No. 609,990. Virginia Smelting Company, West Norfolk, Va. Filed Feb. 12, 1951. (Sec. 2f.)

V VIRGINIA

For Insecticides.
Claims use since Jan. 19, 1946.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 610,909 John Valfrid Reinhold Johansson, Gothenburg, Sweden. Filed Mar. 6, 1951.

MOGUL

Applicant claims ownership of Swedish Registration No. 68,235, dated May 12, 1950.
For Tobacco-Pipes.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 609,472. Björneborgs Tändsticksfabriks Aktiebolag, Pori, Finland. Filed Feb. 1, 1951.

Applicant claims ownership of Finnish Registration No. 21,121, dated June 4, 1947.
For Matches.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 584,841. Standard Manifold Company, Chicago, Ill. Filed Sept. 14, 1949.

PENCIL-CRAFT

The word "Pencil" is disclaimed.
For Duplicating Units Consisting of Carbon Paper and Rigid Binders Having Studs To Impale Apertures in Sheets of Said Carbon Paper To Secure the Unit Together.
Claims use since August 1939.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 543,878. Permatex Company, Inc., Brooklyn and Sheepshead Bay, N. Y. Filed Dec. 31, 1947.



Applicant claims ownership of Registrations Nos. 93,418, 331,744, 365,534, 519,208, 519,207, 528,613, and 540,966.
For Sealing Compound for Sealing Unions in Engines, Putty-Like Paste for Sealing Windshields and Moldings, and Sealing Compound for Pipe Joints.
Claims use since January 1917.

Ser. No. 567,250. Forman, Ford & Company, Minneapolis, Minn. Filed Oct. 20, 1948.

DUX-BAX

For Moisture-Repellent Penetrating Coating for Masonry Material Such as Brick, Stone, and Concrete.
Claims use since Jan. 15, 1946.

Ser. No. 593,645. Atlas Overhead Door Company, Quakertown, Pa. Filed Mar. 9, 1950.

"Quieteez"

For Doors of the Overhead Type, Either Manually or Automatically Operated.
Claims use since May 26, 1949.

Ser. No. 602,819. Alumatic Corporation of America, West Allis, Wis. Filed Aug. 28, 1950.

Kaysto

For Combination Storm-Screens for Casement Windows.
Claims use since May 24, 1950.

Ser. No. 603,209. Southern Wood Preserving Company, East Point, Ga. Filed Sept. 6, 1950.

C-A-S

For Wood Poles and Wood Cross Arms Treated by a Controlled Air-Seasoning Process.
Claims use since Aug. 1, 1950.

Ser. No. 608,308. General Refractories Company, Philadelphia, Pa. Filed Jan. 3, 1951.

EAGLE

For Super-Duty Silica Refractory Brick.
Claims use since June 9, 1950.

Ser. No. 608,861. Dracco Corporation, Cleveland, Ohio. Filed Jan. 17, 1951.

DRACOOL

The word "Cool" is disclaimed.
For Metal Awnings, Door Hoods, and Louver Awnings.
Claims use since July 7, 1950.

Ser. No. 609,320. Southern States Iron Roofing Company, Savannah, Ga. Filed Jan. 26, 1951. (Sec. 2f.)

EVERWEAR

Applicant claims ownership of Registrations Nos. 436,847, 502,651, and others.
For Prefabricated Houses.
Claims use since Nov. 28, 1945.

Ser. No. 611,453. The Richkraft Company, Chicago, Ill. Filed Mar. 16, 1951.

Richflex

For Coated Building Paper.
Claims use since Jan. 18, 1951.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 513,217. H. B. Sherman Manufacturing Company, Battle Creek, Mich. Original filed, act of 1905, Nov. 25, 1946; amended to application under act of 1946, Principal Register, July 2, 1948.



For Shut-Off and Relief Type Valves for Fluid Lines, Faucets, Air Nozzles for Hose, Compression Stop Valves, Compression Stop Valves With Drain, and Parts Thereof.
Claims use in the form of a plain letter S since 1931, and in the form enclosed in a shield, as illustrated, since 1935.

Ser. No. 531,788. The Greene-Wolf Co. Incorporated, Brooklyn, N. Y. Filed Aug. 19, 1947.



The representation of the goods is disclaimed.
For Metal Piping, Metal Tubing, Valves, Pipe Fittings, Strainers for Steam, Oil, Water, Air and Gas Lines and Flexible, Swivel, Swing and Expansion Joints for Pipes.
Claims use since October 1917.

Ser. No. 566,826. L. Lyle Baker, doing business as L. Lyle Baker Co., Bismarck, Mo. Filed Sept. 9, 1948.

BAK-R-BILT

For Revolving Hardware Racks, Being Wheels Bearing Bottles for Holding Nuts, Screws, Tacks, and Other Small Articles of Hardware.
Claims use since July 1, 1947.

Ser. No. 573,038. Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Filed Jan. 29, 1949. (Sec. 2f.)

JENKINS

Applicant claims ownership of Registrations Nos. 22,335, 46,196, 32,911, 15,321, 47,390, 105,115, 47,333, and 305,021.
For Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids—Namely, Gate Valves, Globe Valves, Angle Valves, Cross Valves, Check Valves, Radiator Valves, Self-Closing Valves, Whistle Valves, Fluid Gun Valves, Air Gun Valves, Safety Valves, Foot Valves, "Y" Valves, Strainer Valves, Blow-Off Valves, and Steam Traps.
Claims use since 1887.

Ser. No. 573,039. Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Filed Jan. 29, 1949. (Sec. 2f.)

Jenkins Bros

Applicant claims ownership of Registrations Nos. 47,390, 22,335, 46,196, 32,911, 15,321, 105,115, 47,333, and 305,021.
For Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids—Namely, Gate Valves, Globe Valves, Angle Valves, Cross Valves, Check Valves, Radiator Valves, Self-Closing Valves, Whistle Valves, Fluid Gun Valves, Air Gun Valves, Safety Valves, Foot Valves, "Y" Valves, Strainer Valves, Blow-Off Valves, and Steam Traps.
Claims use since 1895.

Ser. No. 573,040. Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Filed Jan. 29, 1949. (Sec. 2f.)

JENKINS
Jenkins Bros

Applicant claims ownership of Registrations Nos. 105,115, 22,335, 46,196, 32,911, 15,321, 47,390, 47,333, and 305,021.
For Metal Valves for Fluid Conducting Installations for Conducting Steam, Water, Oil, Air, Gas, Chemicals and Other Fluids—Namely, Gate Valves, Globe Valves, Angle Valves, Cross Valves, Check Valves, Radiator Valves, Self-Closing Valves, Whistle Valves, Fluid Gun Valves, Air Gun Valves, Safety Valves, Foot Valves, "Y" Valves, Strainer Valves, Blow-Off Valves, and Steam Traps.
Claims use since 1897.

Ser. No. 579,890. The William Powell Company, Cincinnati, Ohio. Filed June 2, 1949.

BELLOSEAL

For Angle Valves, Globe Valves, and "Y" Valves.
Claims use since July 1, 1947.

Ser. No. 582,770. The Cipco Corporation, St. Louis, Mo. Filed Aug. 1, 1949.



The trade-mark consists of the word "Cipco" and a fanciful design. The representation of a door knocker is disclaimed.
For Hardware—Namely, Door Hooks, Casement Checks, Coat and Hat Hooks, Door Bumpers, Door Handles, Door Knockers, Door Pulls, Door Stops, Drawer Pulls, Flush Rings, Hand Rail Brackets, Kick Plates, Soap Receptacles and Toothbrush Holders for Attachment to a Wall, Letter Box Plates, Name Plates, Push and Pull Plates, Push and Pull Bar Sets, Push Bars, Sash Lifts, Screen Door Guards, and Transom Checks.
Claims use since 1938.

Ser. No. 592,787. Sterling, Inc., Milwaukee, Wis. Filed Feb. 20, 1950.

Sterlco

For Strainers, Vacuum Float Vents, and Traps for Use in Connection With Heating.
Claims use since 1928.

Ser. No. 593,079. The Parkersburg Steel Company, Parkersburg, W. Va. Filed Feb. 25, 1950.

PORT-O-OVEN

The word "Oven" is disclaimed.
For Portable Top-of-Stove Ovens for Baking, Warming or Crisping Foods.
Claims use since Nov. 11, 1949.

Ser. No. 596,889. Weil Equipment Mfg. Corp., Houston, Tex. Filed May 4, 1950.

WECO-TROL

For Vacuum Operated Control Valve for Operating Discharge Valves.
Claims use since Sept. 14, 1949.

Ser. No. 597,153. The M. S. Little Manufacturing Company, Hartford, Conn. Filed May 9, 1950.

Coni-Chrome

The word "Chrome" is disclaimed.
For Traps, Sink Wastes, and Sink Strainers.
Claims use since Apr. 14, 1950.

Ser. No. 598,069. Fred M. Dressel, doing business as The Dressel Manufacturing Co., Kingston, N. Y. Filed May 25, 1950.

VOR-TEX

For Non-Siphoning Bath and Cabinet Traps.
Claims use since Aug. 1, 1948.

Ser. No. 603,534. Macco Oil Tool Company, Houston, Tex. Filed Sept. 14, 1950.

MACCO

For Gas Flow Control Valves.
Claims use since Mar. 1, 1950.

Ser. No. 604,097. The Keeney Manufacturing Company, Newington, Conn. Filed Sept. 27, 1950.

VENT MASTER

The word "Vent" is disclaimed.
For Automatic Air Vents for Hot Water Heating Systems.
Claims use since July 19, 1950.

Ser. No. 612,333. Lightning Fastener Co. Limited, Saint Catharines, Ontario, Canada. Filed Apr. 6, 1951.

FALCON

For Slide Fasteners.
Claims use since October 1928; and since Feb. 28, 1951, in commerce between a foreign nation and the United States.

CLASS 15

OILS AND GREASES

Ser. No. 517,500. Marathon Lubricant Co., Inc., Fort Worth, Tex., assignee of Marathon Lubricant Company. Original filed, act of 1905, Feb. 14, 1947; amended to application under act of 1946, Principal Register, Aug. 31, 1948.

Camel PENN

The term "Penn" is disclaimed.
For Motor Oil.
Claims use since Jan. 1, 1943.

Ser. No. 571,478. Pennotex Oil Corporation, New York, N. Y. Filed Nov. 24, 1948. (Sec. 2f.)

AMORWAX

For Mineral Waxes for Industrial Use.
Claims use since June 17, 1942.

Ser. No. 587,250. Continental Oil Company, Ponca City, Okla. Filed Nov. 3, 1949.

MOTOLUBE

For Lubricating Oil.
Claims use since Sept. 19, 1949.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 536,406. Jack W. Burford, doing business under the fictitious name and style of Burford Automotive Finishes, Venice, Calif. Filed May 7, 1948.

PRO

For Automobile Body Protective Coating Cream Waxes.
Claims use since Feb. 7, 1948.

Ser. No. 573,256. Kenneth Louton, doing business as Louton Paint and Varnish Company, Des Plaines, Ill. Filed Feb. 3, 1949.

KENCOTE

For Ready Mixed Paints, Varnishes, and Wood Sealers.
Claims use since Oct. 26, 1948.

Ser. No. 574,894. The Champion Paper and Fibre Company, Hamilton, Ohio. Filed Mar. 4, 1949.



Applicant claims ownership of Registrations Nos. 225,583, 527,239, and others.
For Turpentine.
Claims use since Jan. 1, 1931.

Ser. No. 592,300. Godfrey L. Cabot, Inc., Boston, Mass. Filed Feb. 11, 1950.

BLACK PEARLS

The word "Black" is disclaimed.
For Carbon Black To Be Used as a Pigment in Paints.
Claims use since Feb. 17, 1941.

Ser. No. 594,784. Imperial Chemical Industries Limited, London and Millbank, London, England. Filed Mar. 28, 1950.

ICI

Applicant claims ownership of British Registrations Nos. 507,717, dated Nov. 12, 1929; and 507,750, dated Nov. 12, 1929.
For Ready-Mixed Paints, Priming Paints and Finishing Paints, Enamels in the Nature of Paint, Varnishes, Lacquers, and Distemper Colours for Paint.

Ser. No. 599,025. Seymour of Sycamore, Inc., Sycamore, Ill. Filed June 13, 1950.



All wording shown on the drawing is disclaimed.
For Liquid Paints Including Enamels.
Claims use since January 1950.

Ser. No. 601,398. Mineral Pigments Corporation, Muirkirk, Md. Filed June 19, 1950.

JET MILLED

The word "Milled" is disclaimed.
For Coloring Agents and Pigments for Use in Paints and Protective Coatings.
Claims use since February 1950.

Ser. No. 603,809. New England Paint Works, Inc., Goffstown, N. H. Filed Sept. 20, 1950.

TINT-A-MATIC

The word "Tint" is disclaimed.
For Soluble Color Pigments for Use in Coloring Paint.
Claims use since Mar. 23, 1950.

Ser. No. 605,513. The Farboil Company, Baltimore, Md. Filed Oct. 26, 1950.



For Paints in Paste and Ready-Mixed Form, Waterproofing Paints, Paint Driers, Paint Enamels, Lacquers, Varnishes, Stains for Wood, Metal, Plastic Material, Concrete and Masonry; Painters' Oils for Coloring, Reducing, and Staining; Paint, Varnish, and Lacquer Removers; Priming Fillers in Liquid and Paste Form for Wood, Metal, Plastic Material, Concrete and Masonry, and Plastic Coating Compounds.
Claims use since June 1, 1936.

Ser. No. 607,185. The O'Brien Corporation, South Bend, Ind. Filed Dec. 1, 1950.

Vita

For Paints—Namely, Wall Primers.
Claims use since Oct. 3, 1950.

Ser. No. 608,370. The Patterson-Sargent Company, Cleveland, Ohio. Filed Jan. 4, 1951.

OPTICOLOR

Applicant claims ownership of Registration No. 87,252.
For Ready Mixed Paints.
Claims use since Dec. 19, 1950.

Ser. No. 608,592. Deere & Company, Moline, Ill. Filed Jan. 10, 1951.

JOHN DEERE

The words "Quality Farm Equipment" are disclaimed.
Applicant claims ownership of Registrations Nos. 88,248, 348,355, and 525,746.
For Enamel Coatings.
Claims use since Dec. 11, 1946.

Ser. No. 609,356. Binney & Smith Company, New York, N. Y. Filed Jan. 29, 1951.

GENIE HANDIPAINT

The word "Handipaint" is disclaimed. Applicant claims ownership of Registration No. 431,215.
For Painting Powder for Use in Direct Hand-Method Painting.
Claims use since Jan. 5, 1951.

Ser. No. 609,991. Western Lithograph Company, doing business as Westline Products Division, Los Angeles, Calif. Filed Feb. 12, 1951.

Splac

For Plastic Lacquer Spray Used as a Protective Coating To Seal Against Moisture, Dirt, Oil, and Other Contaminating Substances.
Claims use since Nov. 2, 1950.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,443. Taylor Brothers, Inc., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. (Sec. 2f.)



The drawing is lined to indicate red, blue, green, brown, and orange. Applicant claims ownership of Registration No. 240,956.
For Plug, Twist, and Smoking Tobacco.
Claims use since Jan. 1, 1912.

Ser. No. 525,449. Taylor Brothers, Inc., Winston-Salem, N. C. Original filed, act of 1905, July 1, 1947; amended to application under act of 1946, Principal Register, Feb. 25, 1948. (Sec. 2f.)



The drawing is lined to indicate the color green.
For Plug, Twist, and Smoking Tobacco.
Claims use since Jan. 1, 1912.

Ser. No. 593,579. The American Tobacco Company, New York, N. Y. Filed Mar. 8, 1950. (Sec. 2f.)

Old English

For Smoking Tobacco.
Claims use since 1895.

Ser. No. 606,194. The S. Frieder & Sons Company, Cincinnati, Ohio, and Philadelphia, Pa. Filed Oct. 30, 1950.



The drawing is lined for black, gold and red. Applicant claims ownership of Registration No. 263,545.
For Cigars.
Claims use since January 1927.

Ser. No. 608,204. Federal Prison Industries, Inc., Washington, D. C. Filed Dec. 29, 1950.

Still Harbor

For Tobacco Products—Namely, Cigarettes, Pipe Tobacco, Granulated Smoking Tobacco, and Plug Chewing Tobacco.
Claims use since June 30, 1950.

Ser. No. 609,821. Stephano Brothers, Philadelphia, Pa. Filed Feb. 8, 1951.

GUARDIAN

For Cigarettes.
Claims use since Jan. 30, 1951.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 548,218. Abbott Laboratories, North Chicago, Ill. Filed Jan. 29, 1948. (Sec. 2f.)

OPTO-LOTION

The word "Lotion" is disclaimed.
For Medicated Solution for Use as an Eye Wash.
Claims use since 1929.

Ser. No. 568,628. Johnson & Johnson, New Brunswick, N. J. Filed Nov. 12, 1948. (Classified in Class 51.)



Applicant claims ownership of Registration No. 96,680.
For Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses.
Claims use since June 20, 1913.

Ser. No. 568,631. Johnson & Johnson, New Brunswick, N. J. Filed Nov. 12, 1948. (Classified in Class 51.)



Applicant claims ownership of Registration No. 96,680.
For Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses.
Claims use since Aug. 18, 1914.

Ser. No. 570,272. Parke, Davis & Company, Detroit, Mich. Filed Dec. 9, 1948.

ORA-LUTIN

For Preparation Containing Pregneninolone (Anhydrohydroxy Progesterone), for Luteal Hormone Therapy.
Claims use since Nov. 22, 1948.

Ser. No. 587,356. Schenley Laboratories, Inc., New York, N. Y. Filed Nov. 4, 1949.

CAIR

For Tablets for Use as a Vascular Protective and Lipotropic Agent.
Claims use since Oct. 1, 1949.

Ser. No. 587,486. The Harrower Laboratory, Inc., Glendale, Calif. Filed Nov. 8, 1949.

DUOCOTIN

For Antacid and Adsorbent for Treatment of Gastro-intestinal Conditions.
Claims use since Feb. 5, 1948.

Ser. No. 596,142. Wyeth Incorporated, Philadelphia, Pa. Filed Apr. 21, 1950.

BIFIDIN

For Dietary Supplement Comprising Lecithin and Skim Milk Solids for the Modification of the Bacterial Content of the Gastro-Intestinal Tract.
Claims use since Mar. 29, 1950.

Ser. No. 597,075. Herndon Drug Company, Inc., doing business as Fermlax Chemical Co., Elberton, Ga. Filed May 8, 1950.

FERMLAX

Applicant claims ownership of Registration No. 290,102.
For Medicine in the Form of an Alkaline Powder for Sour Stomach and Flatulence Due to Hyperacidity.
Claims use since Apr. 18, 1931.

Ser. No. 600,751. Alumac Chemical Company, Inc., Oklahoma City, Okla. Filed July 17, 1950.

ALUMAC

For Preparation for the Relief of Stomach Distress Due to Hyperacidity, Indigestion, Dyspepsia, Gas, or Bloating and Disturbed Digestive Balance.
Claims use since June 19, 1950.

Ser. No. 602,279. Nadeau Laboratory Limited, Montreal, Quebec, Canada. Filed Aug. 16, 1950.

GAIACONES

For Suppositories for Rectal Use for the Treatment of Coughs and Colds.
Claims use since July 17, 1950.

Ser. No. 607,414. Ernst Bischoff Company, Inc., Ivoryton, Conn. Filed Dec. 8, 1950.

SUSTAINED-ACTION
MY-B-DEN

The words "Sustained-Action" are disclaimed. Applicant claims ownership of Registrations Nos. 543,319 and 543,320.
For Pharmaceutical Preparation Used Therapeutically in the Treatment of Dermatological Diseases, Cardiovascular Diseases, and Diseases of the Joints.
Claims use since Nov. 7, 1950.

Ser. No. 608,721. Smith, Kline & French Laboratories, Philadelphia, Pa. Filed Jan. 12, 1951.

PRAGMIN

Applicant claims ownership of Registrations Nos. 380,445, 380,446, 380,447, and 384,171.
For Medical Preparation for Use in the Treatment of Dermatological Conditions.
Claims use since Aug. 29, 1950.

Ser. No. 608,726. Waverly Petroleum Products Company, Philadelphia, Pa., assignor to Sani-Mist, Inc., Philadelphia, Pa. Filed Jan. 12, 1951.

SANI-MIST

For Solution Formulated as a Prophylaxis To Fight Athlete's Foot.
Claims use since Nov. 13, 1950.

Ser. No. 608,993. Ives-Cameron Company, Inc., New York, N. Y. Filed Jan. 19, 1951.

DOCEHEMA

For Iron, Vitamin, and Liver Fraction Compound.
Claims use since Dec. 27, 1950.

Ser. No. 609,204. Sharp & Dohme, Incorporated, Philadelphia, Pa. Filed Jan. 24, 1951.

DIRNATE

For Diuretic.
Claims use since Oct. 9, 1950.

Ser. No. 609,421. Scientific Solutions, Inc., West Palm Beach, Fla. Filed Jan. 30, 1951.

CHLORO-BALM

The word "Balm" is disclaimed. The drawing is lined for green.
For Medicine of a Fungicidal and Antiseptic Nature for Treating Fungus and Bacterial Infections of the Body.
Claims use since Dec. 12, 1950.

Ser. No. 610,819. George A. Breon & Company, New York, N. Y. Filed Mar. 5, 1951.

LOMICRON

For Lipotropic Agent.
Claims use since Jan. 10, 1951.

Ser. No. 610,883. Winthrop-Stearns Inc., New York, N. Y. Filed Mar. 5, 1951.

PRAVOCAINE

Applicant claims ownership of Registrations Nos. 272,950 and 282,418.
For Local and Regional Anesthetic.
Claims use since Feb. 20, 1951.

CLASS 19
VEHICLES

Ser. No. 604,965. Gemmer Manufacturing Company, Detroit, Mich. Filed Oct. 16, 1950.

HYDRAGUIDE

For Steering Gears for Use on Automotive Vehicles.
Claims use since Oct. 5, 1950.

Ser. No. 610,765. The Studebaker Corporation, South Bend, Ind. Filed Mar. 2, 1951. (Sec. 2f as to "Studebaker.")

STUDEBAKER

For Automobiles.
Claims use since Feb. 6, 1951, as shown; and since 1867 as to "Studebaker."

Ser. No. 611,007. Aldens, Inc., Chicago, Ill. Filed Mar. 8, 1951.

BRAVE

Applicant claims ownership of Registration No. 538,039.
For Bicycles, Motor Scooters, and Motorcycles.
Claims use since June 1, 1948.

Ser. No. 611,008. Aldens, Inc., Chicago, Ill. Filed Mar. 8, 1951.

CHIEFTAIN

Applicant claims ownership of Registration No. 535,245.
For Bicycles, Motor Scooters, and Motorcycles.
Claims use since June 1, 1948.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 579,965. The Brown-Brockmeyer Company, Dayton, Ohio. Filed June 4, 1949.

DYNA-LINE

For Electrical Motors.
Claims use since May 26, 1949.

Ser. No. 581,831. Schack's, Inc., Chicago, Ill. Filed July 12, 1949.

SHAK-O-LITE

The word "Lite" is disclaimed.
For Electric Lighting Apparatus for Energising Light Bulbs and Designed To Energize the Lights Intermittently, Singly or in Predetermined Groups, Sequentially, in a Preselected Sequence and Frequency, or in a Predetermined Cyclic Out-of-Phase Relationship, Said Apparatus Including a Flicker Unit Where Multi-Branch Lighting Systems Are Used; the Apparatus Being Used for Sales Demonstration Displays, Advertising Displays, and Ornamental Displays.
Claims use since June 12, 1949.

Ser. No. 603,755. Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Filed Sept. 19, 1950.

POLYKANE

For Electric Capacitors.
Claims use since July 1, 1950.

Ser. No. 609,530. Blanchard Electric Mfg. Co., Chicago, Ill., now by change of name Sealine Manufacturing Corp. Filed Feb. 2, 1951.

SEALINE

For Electrically Heated Sealing Tools for Sealing Plastic Films.
Claims use since Dec. 27, 1950.

Ser. No. 612,557. The Pyle-National Company, Chicago, Ill. Filed Apr. 12, 1951. (Sec. 2f.)

PYLE

Applicant claims ownership of Registration No. 101,254.
For Electrical Apparatus—Namely, Conduit Fittings, Fixture Hangers, Connectors, Junction Boxes, Terminal Blocks, Plugs and Receptacles; Electric Switches and Circuit Breakers; Explosion-Proof Electrical Fittings—Namely, Junction Boxes, Connection Fittings, Switch and Circuit Breaker Fittings; Explosion-Proof Flexible Conduit; Generators, Turbo-Generators, Turbo-Alternators, Motor Generators, Dynamotors, Rotary Inverters, Locomotive Headlights, Back-up Lights, Locomotive Lighting Fixtures, Including Gauge and Signal Lamps, and Control Switches Therefor; Headlight Switches and Floodlights.
Claims use since Jan. 1, 1895.

CLASS 22
GAMES, TOYS, AND SPORTING GOODS

Ser. No. 568,375. It Products, Inc., Kansas City, Kans., now by change of name Phantom Products, Inc., Kansas City, Kans., a corporation of Kansas. Filed Nov. 8, 1948.

Phantom

For Casting Rods.
Claims use since Sept. 15, 1948.

CLASS 23
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 555,615. National Pressure Cooker Company, Eau Claire, Wis. Filed Apr. 26, 1948.

"Depend-A-Pull"

The word "Pull" is disclaimed.
For Starter Mechanism for Outboard Motor.
Claims use since Apr. 24, 1946.

Ser. No. 563,076. Monroe Auto Equipment Company, Monroe, Mich. Filed Aug. 9, 1948.

Farm Tested

The words "Farm Tested" are disclaimed.
For Vehicle Lift for Use With Agricultural Implements.
Claims use since July 16, 1948.

Ser. No. 582,646. Northland Engineering & Manufacturing Company, Appleton, Wis. Filed July 28, 1949.

NORTHLAND

For Blowing Machines for Blowing Crops Into Storage Bins.
Claims use since June 20, 1948.

Ser. No. 586,233. Brasington Corporation, Cincinnati, Ohio, assignor to Troy Engine & Machine Company, York, Pa. Filed Oct. 13, 1949.

"ONE POINT"

For Motor Driven, High Speed, Three-Roll Mills for Dispersing and Mixing Paints, Inks, Soaps, Chocolate, and the Like Products.
Claims use since Nov. 8, 1938.

Ser. No. 587,284. Paddock Sales of Texas, Dallas, Tex. Filed Nov. 3, 1949.

TRI-SURE

For Domestic Water Systems and Parts Therefor—Namely, Shallow Well Piston Type Pumps, Deep Well Injector Type Pumps, Coagulant Feeders, Contact Tanks, Vertical Rapid Pressure Filters, Chlorinaters, Pneumatic Pressure Storage Tanks, Sold as a Complete Packaged Unit.
Claims use since Aug. 16, 1949.

Ser. No. 596,672. Hyman Ledeen, doing business as Ledeen Manufacturing Co., Los Angeles, Calif. Filed May 1, 1950. (Sec. 2f.)

Ledeen

The mark consists of a facsimile of applicant's signature of his surname.
For Pneumatic and Hydraulic Cylinders, Belt and Slat Conveyors, Diesel Hoists, Marine Winches, and Concrete Block Molding Machines.
Claims use since May 12, 1942.

Ser. No. 602,208. The Mine and Smelter Supply Company, Denver, Colo. Filed Aug. 15, 1950.

MASSCO

Applicant claims ownership of Registration No. 178,078.
For Rock Bit Grinders, Pulverizers, Hot Millers, Crushers, Froth Flotation Machines, Ore-Mill and Concentrating Tables and Parts Therefor—Namely, Mill Heads, Trunnions, Liners, Grate Bars, Clamp Bars, Sole Plates, Caps, Cones, Couplings, Angles, Wearing Plates, Gears, Pinions, Bearings, Manhole Covers, Feeders, Riding Rings, Riding Tires, Roller Tires, Base Plates, Bearing Bases, Swivels, Flanges, Doors, Spider Shafts, Hinge-Ball Plates, Column Bases, Gear Guards, Shells, Channels, Springs, Yoke Chairs, Yokes, Brackets, Handwheels, Drawbar Plates, Drawbars, Side Plates, Bearing Trusses, Bed Frames, Pitmen, Toggle Seats, Pitman Caps, Toggles, Yoke Guides, Adjusting Blocks, Bushings, Feed Boxes, Riffles, and Decks.
Claims use since Sept. 25, 1920.

Ser. No. 607,124. H & B American Machine Company, South Attleboro, Mass. Filed Nov. 30, 1950.

CENTURY

For Anti-Friction Spindles and Parts Thereof for Use in Spinning Frames and Twisting Frames in the Textile Industry.
Claims use since Nov. 7, 1950.

Ser. No. 608,463. Morco, Inc., Cleveland, Ohio. Filed Jan. 6, 1951.

Morco

For Finished Camshafts and Crankshafts.
Claims use since Nov. 22, 1950.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 561,957. The Unipress Company, Incorporated, Minneapolis, Minn. Filed July 22, 1948.

Glide Liner

For Laundry Presses.
Claims use since October 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 578,046. Rad, Inc., Moline, Ill. Filed Apr. 30, 1949.

Rad-o-scope

The representation of the goods is disclaimed.
For Mechanical Instrument for Use in Determining, Before Giving a Cold Wave Permanent, the Length of Time Requisite for Treating Each Head of Hair With Any Selected Cold Wave Solution, This Mechanical Instrument Being So Constructed That It Can Hold a Sample of Hair in the Vertical Position and at the Required Height Essential for Making the Test.
Claims use since Apr. 26, 1949.

Ser. No. 606,097. Westinghouse Electric Corporation, Pittsburgh and East Pittsburgh, Pa. Filed Nov. 8, 1950. (Sec. 2f.)

WESTINGHOUSE

Applicant claims ownership of Registrations Nos. 103,016, 103,017, 111,113, 118,722, 150,168, 156,578, 284,152, 284,825, 294,092, 295,921, 297,565, 298,763, 299,083, 306,021, 317,198, 318,247, 325,267, 332,993, 336,260, 336,346, 336,403, 348,410, 349,302, 351,073, 354,878, 377,361, 378,744, 392,028, 407,395, 425,356, and 521,736.

For Electric Meters and Measuring Instruments—Namely, Electrostatic Volt-Meters; Electrostatic Ground Detectors; Portable and Switchboard Graphic Ammeters; Voltmeters; Wattmeters; Power-Factor Meters and Frequency-Meters; Switchboard Graphic Totalizing-Wattmeters; Kilo-Volt Ampere Meters and Totalizing Kilo-Volt Ampere Meters; Portable and Switchboard Indicating Ammeters, Voltmeters, Wattmeters, Frequency-Meters, Power-Factor Meters and Reactive-Factor Meters; Shunts for Direct-Current Meters; Fault-Localizers; Iron-Loss Voltmeters; Maximum-Demand Meters; Kelvin Balances; Potentiometers; Synchroscopes; Integrating Watt-Hour Meters; Indicating Voltmeter-Compensators; Ampere-Hour Meters; Portable Precision-Voltmeter, Ammeters, Wattmeters and Watt-Hour Meters; Portable Lamp-Testing Meters; Electrical Testing Wheatstone Bridges; Watt-Hour Demand Meters; Spring-Testing Instruments; Average Value Voltmeters; Discharge Gaps for Voltage-Measuring; Mean-Square-Value Ammeters; Steam-Flow Meters; Harmonic Analyzers; Oscillographs; Ohmmeters; Polarity-Indicators; Temperature-Indicating Instruments; Apparent-Power Wattmeters; Maximum-Voltage Meters; Polyphase Power-Factor Meters; Differential Galvanometers; Galvanometers; Dynamometers; Recording Dynamometers; Thermocouple Potentiometers; Cycle-Recorders; Speed-Counters; Speedometers; Cyclometers; Tachometers; Precision Resistors for the Measurement of Impedance; Thermocouples; Permeometers; Thermostats; Tape Testing Machines; Mica-Gaging Machines; Pyrometers; Fluid-Flow Indicators; Multipliers for Potentiometers; Conductivity-Bridges; Vacuum Gages; Time Counters; Aircraft Volt and Ammeters; Meter Bases; Wind-Indicating Devices; Calculating Equipments for Power Systems; Vibrometers; Vibrographs; Dynamic Balancing Units and Machines; Accelerometers; Vibration Fatigue Apparatus; High Temperature Fatigue Machines; Shaft Eccentricity Recorders; Spindle Position Recorders; Spindle Vibration Recorders; Vibration Analyzing Apparatus; X-Ray Gages; X-Ray Apparatus for Making Miniature Photofluoroscopic Film; X-Ray Apparatus for Recording Images on Miniature Film; Instruments for Measuring and Recording Voltage Surges; Flaw Detecting Apparatus; Thickness Measuring Apparatus; Strain Gages; Network Analyzers; Analog Computers; Ballistics Computers; Torque Indicating Meters; Photoflood Lamps; Photoflash Lamps; Navigational, Search and Control Radar Transmitters and Receivers; X-Ray Screens; Gyroscopes for Stabilization and Control Purposes, Such as Torpedo Controls, Stabilized Siding Stations, Tank and Gun Stabilizers and Automatic Pilots; and Electrical Thermometers.
Claims use since June 1, 1941.

Ser. No. 610,470. Soft-Lite Lens Company, Inc., New York, N. Y. Filed Feb. 23, 1951.

Unisite

Applicant claims ownership of Registration No. 224,762.
For Ophthalmic Lenses and Blanks.
Claims use since May 7, 1926.

Ser. No. 611,324. David White Company, Milwaukee, Wis. Filed Mar. 14, 1951.

Permamount

For Film Mountings, Photographic Slides and Stereoscopic Slides.
Claims use since Feb. 1, 1951.

Ser. No. 611,893. Eugene Dietzgen Co., Chicago, Ill. Filed Mar. 28, 1951.

Redi-Draft

For Drafting Equipment—Namely, Drafting Boards, Including Boards Fitted With Parallel Line Apparatus.
Claims use since Jan. 1, 1951.

Ser. No. 614,107. Sears, Roebuck and Co., Chicago, Ill. Filed May 19, 1951.

DAVID BRADLEY

"David Bradley" is the name of a deceased person whose business was acquired by applicant in 1910.
For Platform and Farm Scales.
Claims use since July 15, 1947.

Ser. No. 614,160. The Plomb Tool Company, Los Angeles, Calif. Filed May 21, 1951.

PROTO

Applicant claims ownership of Registrations Nos. 501,030 and 530,257.
For Tools—Namely, Brake Gauges, Feeler Gauges, Ignition Gauges, and Thickness Gauges.
Claims use since Mar. 14, 1949.

Ser. No. 614,523. Time, Incorporated, New York, N. Y. Filed May 29, 1951.

THE MARCH OF TIME

Applicant claims ownership of Registrations Nos. 330,900, 342,135, 345,089, and 345,249.
For Motion Picture Films, Sound Films, Combined Sound and Motion Picture Films, and Motion Picture Films for Use in Connection With Synchronized Apparatus for Simultaneously Reproducing Coordinated Light and Sound Effect.
Claims use since Apr. 15, 1949.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 582,381. Enicar, S. A., Lengnau, Switzerland. Filed July 18, 1949.

ENICAR

Applicant claims ownership of Swiss Registration No. 35,871, dated June 22, 1914.
For Watch Movements, Watches, Clocks and Watch Dials.
Claims use since June 22, 1914; and was first used in commerce among the several States on June 22, 1914.

Ser. No. 585,043. Eterna, S. A., Grenchen, Switzerland. Filed Sept. 17, 1949.

ETERNA-MATIC

Priority under Sec. 44(d). Swiss application filed Apr. 29, 1949, Registration No. 129,111, dated June 4, 1949. Applicant claims ownership of Swiss Registration No. 129, dated June 4, 1949, and United States Registration No. 136,798.
For Watches and Parts of Watches.

Ser. No. 595,322. B. Jadow, Inc., New York, N. Y. Filed Apr. 6, 1950.

SAMSON SPRING

The figure of the man shown is a fanciful representation of the Biblical character, Samson. The word "Spring" is disclaimed.
For Watch Main Springs.
Claims use since Mar. 15, 1935.

Ser. No. 599,319. Engelton Watch Company, Inc., New York, N. Y. Filed June 17, 1950.

Sweet Sixteen

For Watches, Watch Movements, Watch Cases, and Parts Thereof.
Claims use since May 15, 1950.

Ser. No. 608,659. The International Imex Company, Inc., New York, N. Y. Filed Jan. 11, 1951.

IMEXO

For Wrist Watches.
Claims use since February 1948.

Ser. No. 608,678. Savoy Watch Co. Inc., New York, N. Y. Filed Jan. 11, 1951.

MILOMATIC

Applicant claims ownership of Registrations Nos. 188,609 and 335,160.
For Gold, Silver, and Platinum Watches, Watch Parts, and Watch Movements.
Claims use since Jan. 2, 1951.

Ser. No. 609,575. Towne Watch Co., Chicago, Ill. Filed Feb. 2, 1951. (Sec. 2f.)

TOWNE

For Watches.
Claims use since Aug. 1, 1936.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 378,739. Talent, Incorporated, Los Angeles, Calif. Filed May 12, 1949.

Talent

For Gifts Comprising Handmade Silver Jewelry for Personal Wear—Namely, Watch Chains, Cuff Links, Watch Bands, Bracelets, Lockets, and Pendants.
Claims use since Apr. 25, 1949.

Ser. No. 379,270. Eisenstadt Manufacturing Company, St. Louis, Mo. Filed May 21, 1949.

Add-A-Ring

The word "Ring" is disclaimed.
For Finger Rings.
Claims use since March 1949.

Ser. No. 383,811. Raymond E. Morman, doing business as M. & M. Leather Craft Co., Dallas, Tex. Filed Aug. 22, 1949.



The word "Texas" is disclaimed.
For Wrist Watch Bands, Wrist Watch Straps, and Wrist Watch Loops, Made of Leather, Cloth, Plastic, or Other Non-Metallic Material.
Claims use since Aug. 26, 1946.

Ser. No. 385,931. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Oct. 7, 1949.

Profile initials

The word "Initials" is disclaimed.
For Belt Buckles and Slides for Belts for Personal Wear, Collar Buttons, Collar Holders, Necktie Holders, Shirt Studs; Watch Holders—Namely, Watch Bands, Straps, and Chains; Money Clips, Cuff Buttons and Links, Key Chains, Initials and Monograms Sold Separately for Attachment to or Use With Other Articles, Tie Bars and Extension Tie Bars, and Ascot Tie Guards, All the Foregoing Being Made of Precious Metals or Combinations of Precious and Non-Precious Metals, Except for the Watch Holders Which May Be of Leather.
Claims use since Mar. 22, 1949.

Ser. No. 385,934. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed Oct. 7, 1949.

Sun 'n' Moon

For Belt Buckles and Slides for Belts for Personal Wear; Collar Buttons, Collar Holders, Necktie Holders, Shirt Studs; Watch Holders—Namely, Watch Bands, Straps, and Chains; Money Clips, Cuff Buttons and Links, Key Chains, Initials and Monograms Sold Separately for Attachment to or Use With Other Articles, Tie Bars and Extension Tie Bars, and Ascot Tie Guards, All the Foregoing Being Made of Precious Metals or Combinations of Precious and Non-Precious Metals, Except for the Watch Holders Which May Be of Leather.
Claims use since Mar. 22, 1949.

Ser. No. 386,444. Weinreich Brothers Company, New York, N. Y. Filed Oct. 17, 1949.

COURTIER'S RUFF

For Pearl Necklaces, Pearl Earrings, Pearl Bracelets, Pearl Brooches, and Strings of Pearls.
Claims use since June 1949.

Ser. No. 386,445. Weinreich Brothers Company, New York, N. Y. Filed Oct. 17, 1949.

HER LADYSHIPS BOWKNOT

For Pearl Necklaces, Pearl Earrings, Pearl Brooches, Pearl Bracelets, and Settings of Pearls.
Claims use since June 1949.

Ser. No. 386,446. Weinreich Brothers Company, New York, N. Y. Filed Oct. 17, 1949.

PRINCESS LACE

For Pearl Earrings, Pearl Necklaces, Pearl Brooches, Pearl Bracelets, and Strings of Pearls.
Claims use since June 1949.

Ser. No. 391,255. Philip Rand, Chicago, Ill. Filed Jan. 21, 1950.

DeLucey

For Simulated Pearl Jewelry for Personal Wear Not Including Watches—Namely, Necklaces, Bracelets, Finger Rings, Earrings, Brooches.
Claims use since Jan. 3, 1950.

Ser. No. 398,015. Hickok Manufacturing Co. Inc., Rochester, N. Y. Filed May 24, 1950.

Twin Profile

For Belt Buckles and Slides for Personal Wear, Jewelry for Personal Wear Not Including Watches—Namely, Collar Holders or Clasps, Clips for Holding Money, Bills and the Like, Cuff Buttons and Cuff Links, Key Chains, Cravat Clasps, Cravat Holders of Chain Type, Ornamental Bars for Cravat Clasps and Holders, and Initials, Monograms, or Insignia Articles Primarily for Personal Adornment, All of the Foregoing Being Made of Precious Metal.
Claims use since Mar. 10, 1950.

Ser. No. 606,894. Parco Mfg., Inc., Providence, R. I. Filed Nov. 24, 1950.

Parco

For Real and Costume Jewelry and Jewelers' Findings—Namely, Necklaces, Earrings, Ear Wires, Bracelets, Brooches, Expansion Bands, Cuff Links, Tie Slides, Collar Pins and Finger Rings, All the Foregoing Being Made of Precious Metal in Whole or in Part or Plated With Precious Metal.
Claims use since August 1949.

Ser. No. 606,988. Taunton Pearl Works, Taunton, Mass. Filed Nov. 27, 1950. (Sec. 2f.)

SMARTFIT

Applicant claims ownership of Registration No. 289,991.
For Articles of Jewelry for Personal Wear and Adornment Not Including Watches—Namely, Cuff Buttons, Cuff Links, Collar Buttons, Tie Holders, Soft Collar Holders, Scarf Pins, Cuff Pins, Waldemar Watch Chains, Lapel Chains, Belt Chains, Belt Buckles, Key Chains, Money Clips, Shirt Studs, Vest Buttons, Brooches, Necklaces, Ear Buttons, Bracelets, Dress Pins and Tie Clips, All Made in Whole or in Part of, or Plated With, Precious Metal.
Claims use since May 1928.

Ser. No. 608,041. Jacoby-Bender, Inc., New York, N. Y. Filed Dec. 23, 1950.

ROYAL TRIUMPH

Applicant claims ownership of Registration No. 544,945.
For Bracelets and Watch Bracelets Sold Separately From the Watches.
Claims use since Dec. 4, 1950.

Ser. No. 608,720. Skalet Manufacturing Co. Inc., New York, N. Y. Filed Jan. 12, 1951.

SKAL

For Gold and Platinum Jewelry—Namely, Finger Rings.
Claims use since 1940.

Ser. No. 609,594. The International Silver Company, Meriden, Conn. Filed Feb. 3, 1951.

MAY QUEEN

For Silver Plated Table Ware Consisting of Flatware and Hollow-Ware.
Claims use since Dec. 12, 1950.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 597,272. Hanlon & Goodman Co., Belleville, N. J. Filed May 11, 1950.

HG

The drawing is lined for shading.
For Wall Brushes, Stucco Brushes, Varnish Brushes, Enamel Brushes, Dutch Kalsomine Brushes, Flatting Wall or Casein Brushes, Paper Hangers' Smoothing Brushes, Wall Stippling Brushes, Plasterers' Brushes, Casein or Paste Brushes, Painters' Dusters, Flat Radiator Brushes, Bronzing Brushes, Sash and Trim Brushes, Flat Kalsomine Brushes, Stencil Brushes and Glue Brushes.
Claims use since 1948.

Ser. No. 607,391. Neiman-Marcus, Dallas, Tex. Filed Dec. 7, 1950.

THE ELVES

For Hairbrushes.
Claims use since Oct. 21, 1950.

Ser. No. 609,247. Maybelline Co., Chicago, Ill. Filed Jan. 25, 1951.

Maybelline

Applicant claims ownership of Registration No. 393,492.
For Eyebrow Brushes and Mascara Brushes.
Claims use since May 5, 1920.

Ser. No. 610,060. Simon Greenblatt & Son, Inc., New York, N. Y. Filed Feb. 14, 1951.

CIRCLO

For Ladies' Hair Brushes.
Claims use since Jan. 10, 1951.

Ser. No. 610,061. Simon Greenblatt & Son, Inc., New York, N. Y. Filed Feb. 14, 1951.



For Ladies' Hair Brushes.
Claims use since April 1944.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 607,192. Harper J. Ransburg Co., Inc., Indianapolis, Ind. Filed Dec. 1, 1950. (Sec. 2f as to "Ransburg.")



All wording except "Ransburg" is disclaimed.
For Cookie Jars, Grease Jars, Pitchers, Salt and Pepper Shakers, Salad Bowls, Mixing Bowls, Tea Pots, and Flower Pots, All Made of Earthenware.
Claims use since Apr. 25, 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 572,964. Roy A. Ferguson, doing business under the firm name and style of R. A. Ferguson Co., Hollywood, Calif. Filed Jan. 28, 1949.

BEL-AYRE

For Make-Up Mirrors.
Claims use since Oct. 29, 1948.

CLASS 33

GLASSWARE

Ser. No. 596,572. Glowsand Company, Trenton, N. J. Filed Apr. 29, 1950. (Sec. 2f.)

GLOWSAND

For Beads of Transparent Glass for Application to Surfaces as a Reflecting Means.
Claims use since 1942.

Ser. No. 602,911. Pittsburgh Plate Glass Company, Pittsburgh, Pa. Filed Aug. 29, 1950.

TELEGLAS

For Sheet Glass.
Claims use since June 27, 1950.

Ser. No. 609,937. McKee Glass Company, Jeannette, Pa. Filed Feb. 10, 1951.

MIREX

For Heat Resistant Glass Baking Dish.
Claims use since June 23, 1950.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 590,569. David T. Abercrombie Company, New York, N. Y. Filed Jan. 10, 1950. (Sec. 2f.)

HEATERETTE

For Pocket Heaters.
Claims use since 1926.

Ser. No. 613,892. Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filed May 16, 1951. (Sec. 2f as to "Allis-Chalmers.")



Applicant claims ownership of Registrations Nos. 14,423, 158,327, and 533,862.
For Surface Type Heat Exchangers, Direct Contact Heat Exchangers, Deaerating Heaters, Metallurgical Furnaces, Heated Dryers, Rotary Kilns, Vapor Condensers, and Parts Thereof.
Claims use since May 13, 1949, as shown; and since Nov. 1, 1903, as to the words "Allis-Chalmers."

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 577,362. Boston Woven Hose and Rubber Company, Cambridge, Mass. Filed Apr. 19, 1949.

BULLDOG HSO

Applicant claims ownership of Registrations Nos. 362,821 and 512,553.
For V-Belts.
Claims use since Mar. 11, 1949.

Ser. No. 582,285. Gits Bros. Mfg. Co., Chicago, Ill. Filed July 21, 1949. (Sec. 2f as to the word "Gits.")



The words "Shaft Seal" are disclaimed.
For Seals for Rotating Shafts.
Claims use since June 22, 1948, as shown; and since March 1931 as to the word "Gits."

Ser. No. 606,638. United States Rubber Company, New York, N. Y. Filed Nov. 18, 1950.



The word "Airplane" is disclaimed. Applicant claims ownership of Registrations Nos. 268,306, 530,453, and 530,454.
For Rubber Tires for Vehicles.
Claims use since Aug. 15, 1946.

Ser. No. 608,511. Perfect Circle Corporation, Hagerstown, Ind. Filed Jan. 8, 1951.

2 in 1

For Piston Rings.
Claims use since Nov. 1, 1950.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 550,549. Pfanstiehl Chemical Company, Chicago and Waukegan, Ill. Filed Feb. 25, 1948.

Pfanstiehl

For Metal Phonograph Needles, Both for Home Phonographs and for Coin Phonograph Machines; and Phonograph Styli, All Having Special Hard Metal Tips.
Claims use since Jan. 22, 1940.

Ser. No. 571,060. J. Stead & Company Limited, Sheffield, England. Filed Dec. 23, 1948.



Applicant claims ownership of British Registrations Nos. 392,332/5730–S, dated June 14, 1919; 486,728/6666–S, dated Dec. 10, 1927; and 641,737/7719–S, dated Nov. 8, 1945.
For Phonograph Needles, Phonograph Pick-up Needles, and Sound Boxes for Phonographs and Talking Machines.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,531. Valley Paper Company, Holyoke, Mass. Filed July 5, 1947.

CO-OP

For Writing, Typewriter, and Printing Paper.
Claims use since 1913.

Ser. No. 563,357. Oak Ridge Manufacturing Company, Charleston, S. C. Filed Aug. 13, 1948.

TONDEL

For Fountain Pens and Mechanical Pencils.
Claims use since July 18, 1948.

Ser. No. 578,825. Protecto Products Co., Inc., Pomona, Calif. Filed May 13, 1949.

TISCO

Applicant claims ownership of Registration No. 414,759.
For Paper Napkins and Paper Garment Hanger Covers.
Claims use since Apr. 7, 1949.

Ser. No. 583,573. Western Tablet & Stationery Corporation, Dayton, Ohio. Filed Aug. 16, 1949.

POST ROAD

For Correspondence and Mailing Envelopes.
Claims use since Nov. 20, 1947.

Ser. No. 587,404. Star-Peerless Wall Paper Mills, Chicago, Ill. Filed Nov. 5, 1949.

SANIFAST

For Wall Paper.
Claims use since Sept. 23, 1949.

Ser. No. 587,827. Sitroux Incorporated, New York, N. Y. Filed Nov. 15, 1949.

minifold

For Facial Tissues.
Claims use since Aug. 30, 1949.

Ser. No. 592,072. Southern Paperboard Corporation, Port Wentworth, Ga. Filed Feb. 17, 1950.

SOUTHERN PAPERBOARD CORPORATION

The words "Paperboard" and "Corporation" are disclaimed.
For Kraft Liner Board.
Claims use since July 1, 1949.

Ser. No. 601,727. Charles R. Hadley Company, Los Angeles, Calif. Filed Aug. 4, 1950.

SIMPLO-Graph

For Partially Printed Forms, and on Binders and Covers for Enclosing Forms.
Claims use since Oct. 8, 1948.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 572,087. Colorado Seminary (University of Denver), Denver, Colo. Filed Jan. 13, 1949.

FACTS ON DEATH

For Printed Posters and Graphic Charts.
Claims use since July 1, 1948.

Ser. No. 609,758. The Penton Publishing Company, Cleveland, Ohio. Filed Jan. 19, 1951. (Sec. 2f.)

FOUNDRY

Applicant claims ownership of Registrations Nos. 138,085 and 508,187.
For Publication Published Monthly or From Time to Time, the Subject Matter of Which Is Directed to Operations and Procedures Wherein Metals Are Cast.
Claims use since September 1892.

CLASS 39

CLOTHING

Ser. No. 574,124. Wellco Shoe Corporation, Waynesville and Hazelwood, N. C. Filed Feb. 18, 1949.

BUBBLE SOLE

The word "Sole" is disclaimed.
For Sponge Rubber Soled Men's, Ladies', Misses', Children's, and Infants' Shoes, Sandals, and Slippers.
Claims use since Jan. 18, 1949.

Ser. No. 583,528. Ely & Walker Dry Goods Company, St. Louis, Mo. Filed Aug. 16, 1949.

Ann Foster

"Ann Foster" is the business name of Mrs. Irma K. Foster Rubin, consent filed. Applicant claims ownership of Registrations Nos. 359,969, 76,228, 401,544, and 393,453.
For Women's Dresses.
Claims use since Jan. 31, 1949.

Ser. No. 584,453. Holeproof Hosiery Co., Milwaukee, Wis. Filed Sept. 3, 1949.

LUX-SETT

The word "Sett" is disclaimed.
For Women's Slips, Gowns, Panties, Petticoats, and Bedjackets.
Claims use since Aug. 22, 1949.

Ser. No. 585,839. Gould, Bergman & Gould, Inc., New York, N. Y. Filed Oct. 6, 1949.

Bronco Buster

For Children's Wash Suits, Jumpers, Overalls, Shirts, Trousers, Pants.
Claims use since Sept. 1, 1949.

Ser. No. 588,745. J. & J. Crombie Limited, Woodside, Aberdeen, Scotland. Filed Dec. 3, 1949. (Sec. 2f as to "J. & J. Crombie Ltd." and to "Crombie.")

The word "Product" is disclaimed. Applicant claims ownership of Registration No. 329,460.
For Men's and Boys' Coats, Suits, Jackets, Waistcoats, and Trousers, and Women's and Children's Coats, Suits, Frocks, and Skirts, All Made From Piece Goods of Wool, Worsted, or Hair.
Claims use since Dec. 1, 1933, in Great Britain; and since Dec. 1, 1933, in commerce between Great Britain and the United States.

Ser. No. 593,197. Murray White Company, Boston, Mass. Filed Feb. 28, 1950. (Sec. 2f.)

SIZED-TO-HEIGHT Originated by murray white Boston

Applicant claims ownership of Registration No. 420,456.
For Misses' and Ladies' Dresses.
Claims use since Jan. 15, 1945.

Ser. No. 594,795. J. W. Landenberger & Co., Philadelphia, Pa. Filed Mar. 28, 1950.

Deb-Tau

For Hosiery for Women or Girls.
Claims use since Feb. 17, 1950.

Ser. No. 603,073. Mido Hosiery Mills, Inc., New York, N. Y. Filed Sept. 1, 1950.

Mido

For Hosiery for Men, Women, Boys, and Girls.
Claims use since March 1950.

Ser. No. 609,459. Wilmington Hosiery Mills, Inc., Wilmington, Del. Filed Jan. 31, 1951.

NEONLITE

For Socks for Men, Women, Boys, and Girls.
Claims use since Oct. 10, 1950.

Ser. No. 609,627. Briarcliff Mills, Atlanta, Ga. Filed Feb. 5, 1951.

Miss Peachtree

For Ladies' Undergarments.
Claims use since Feb. 1, 1949.

Ser. No. 610,626. Victor Lebow, New York, N. Y. Filed Feb. 28, 1951.

CUP 'N' SAUCY

The word "Cup" is disclaimed.
For Brassières.
Claims use since Feb. 13, 1951.

Ser. No. 611,373. Seamprufe Incorporated, New York, N. Y. Filed Mar. 15, 1951.

For Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties, and Hosiery.
Claims use since Nov. 20, 1950.

Ser. No. 611,376. Seamprufe Incorporated, New York, N. Y. Filed Mar. 15, 1951.

Applicant claims ownership of Registration No. 289,610.
For Women's Apparel, Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-ins, Panties, and Hosiery.
Claims use since Nov. 20, 1950.

Ser. No. 611,410. David Crystal, Inc., New York, N. Y. Filed Mar. 16, 1951.

CYNTHIA OF HAYMAKER

For Ladies' Dresses, Skirts, Suits, Blouses.
Claims use since November 1950.

Ser. No. 611,426. Holeproof Hosiery Co., Milwaukee, Wis. Filed Mar. 16, 1951.

WUNDERGARMENT

For Women's Panties, Slips, Nightgowns, Bed Jackets, Pajamas, Girdles, and Negligees.
Claims use since Feb. 27, 1951.

Ser. No. 614,898. Louis Popst, doing business under the name Popst Manufacturing Company, Dallas, Tex. Filed June 7, 1951.

BRONCO BUSTER

For Jeans for Men, Women, Boys, and Girls.
Claims use since January 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 573,903. Sheltex Manufacturing Co., Inc., Brooklyn, N. Y., assignee of Sheltex Manufacturing Co. Filed Feb. 15, 1949.

S E W - R I T E

The word "Sew" is disclaimed.
For Seambinding and Biasbinding Used in Sewing Clothing and Textile Fabrics.
Claims use since July 21, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 504,883. Burlington Mills Corporation, Greensboro, N. C. Filed Mar. 30, 1950.

SPORTCASTER

For Textile Fabrics in the Piece of Synthetic Fibers.
Claims use since Mar. 13, 1950.

Ser. No. 505,348. Worumbo Manufacturing Company, Lisbon Falls, Maine. Filed Apr. 6, 1950.



The trade-mark consists of a marker or label in the form of arbitrarily placed, single, white threads separate from the structural parts of the goods and constituting no part of the goods but spaced apart and woven into the back of the goods and extending longitudinally thereof in parallel lines, said parallel lines forming no part of the pattern of the woven goods. No claim is made herein for the representation of the woven goods, this being shown merely to illustrate the location of the mark and the arrangement of the marking threads in the goods. The trade-mark does not show on the face or right side of the goods. Applicant claims ownership of Registrations Nos. 152,555 and 197,893.
For Woolen Goods in the Piece.
Claims use since 1921.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 568,730. Goodman-Kleiner Co., Inc., New York, N. Y. Filed Nov. 13, 1948.

Supertex

For Hospital and Sick Room Supplies—Namely, Dressing Jars, Catheters, Glass Tubing, Drainage Tubes, Irrigating Nozzles, Medicine Tubes, Infusion Jars, Saline Tubes, Salvarsan Tubes, Rectal Glassware, Nasal Glassware, Vaginal Tubes and Irrigators, Breast Shields, Syringes, Infant Feeders, Consisting of a Rubber Bulb and Glass Syringe for Feeding Premature Infants.
Claims use since June 1948.

Ser. No. 571,685. Pirelli Societa per Azioni, Milan, Italy. Filed Dec. 27, 1948.



Applicant claims ownership of Italian Registration No. 69,381, dated June 15, 1946.
For Gloves of Rubber, or of Substitutes or Imitations Thereof, or of Rubberized Fabric for X-Ray and for Surgery; Sanitary and Surgical Goods of Rubber or of Ebonite, or of Substitutes or Imitations Thereof, or of Rubberized Fabric—Namely, Hot Water Bags, Clyster-Syringes, Ice Bags, Umbilical Buttons, Rubber Paps, Hernia or Umbilical Trusses, Medicine Droppers, X-Ray-proof Aprons, Douche-Bags, Urinals, Pessaries, Syringes, Douche Syringes, Stethescopes, Nipples for Babies or Cattle, Breast Relievers, Clyster Tubing, Gasproof and Dustproof Masks and Respirators; Elastic Stockings; Fingerstalls.

Ser. No. 578,102. Roane-Barker, Inc., Greenville, S. C. Filed May 2, 1949.

ROBARK

For Surgeon's Gloves, Hypodermic Syringe Boxes, Hypodermic Needle Boxes, Clinical Thermometers, Catheters, and Bandage Scissors.
Claims use since Oct. 26, 1948.

Ser. No. 582,390. Cutter Laboratories, Berkeley, Calif. Filed June 13, 1949.

Saftifuge

Applicant claims ownership of Registration No. 440,379.
For Glass Bottles for Shipping and Dispensing Parenteral Solutions.
Claims use since April 1942.

Ser. No. 588,278. The Diamond Match Company, New York, N. Y. Filed Nov. 25, 1949.



The drawing is lined for red and blue.
For Toothpicks.
Claims use since May 11, 1946.

Ser. No. 598,812. Randall Faichney Corporation, Jamaica Plain, Boston, Mass. Filed June 8, 1950. (Sec. 2f.)

MATCHLESS

For Syringes and Vaccinating Instruments for Surgical and Veterinary Use.
Claims use since 1914.

Ser. No. 600,560. Zimmer Manufacturing Company, Warsaw, Ind. Filed July 12, 1950.



For Appliances for the Treatment of Bone Fractures—Namely, Saws and Saw Sets, Burrs, Drills, Chisels, Wire Tractors, Traction Apparatus, Leg and Arm Reduction Apparatus, Fixation Pins, Screws, Hinges, Bolts, Nails, and Bone Plates, Spreaders, Hammers, Reamers, Gauges, Screw Drivers, Chucks, Drills, Nail and Pin Guides, Bone Clamps, Awls, Vises, Wrenches, Pliers, Bone Plate Benders, Extractors, Pusher and Bending Irons, Wire Cutters and Pullers, Surgical Pins, Gauges, Hip Caps, Wire Twisters, Surgical Wire, Bone Stapling Sets, Surgical Knives, Scissors, Mallets, Bone Elevators and Parts Thereof; Splints and Slings and Parts Thereof; Head Tractors, Braces and Parts Thereof; Hyperextension Frames and Parts Thereof; Surgical Walking Heels and Walking Splints; Orthopedic and Fracture Tables; Surgical Instruments for Measuring Results of Fractures; Anesthesia Pillows; Cast Cutters; Hospital Beds and Parts Thereof; Leg Braces.
Claims use since April 1927.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 535,140. S. S. Eland, doing business under the style The Quench Company; also under the style Quench Bottling Co., or Quench-Nesbitt Bottling Co., Seattle, Wash. Filed Sept. 20, 1947.



The trade-mark consists of the word "Quench" superimposed in arcuate form upon the representation of a citrus fruit; the representation of the latter is lined to represent yellow. The representation of the fruit and the color are disclaimed. Applicant claims ownership of Registration No. 177,132.
For Carbonated Citrus-Flavored Soft Drink and the Concentrate From Which the Same Is Made.
Claims use since Jan. 16, 1946.

Ser. No. 535,141. S. S. Eland, doing business under the style The Quench Company; also under the style Quench Bottling Co., or Quench-Nesbitt Bottling Co., Seattle, Wash. Filed Sept. 20, 1947.

QUENCH

Applicant claims ownership of Registration No. 177,132.
For Carbonated Citrus-Flavored Soft Drink and the Concentrate From Which the Same Is Made.
Claims use since Jan. 16, 1946.

Ser. No. 590,699. Pine Hill Crystal Spring Water Co., New York, N. Y. Filed Jan. 11, 1950. (Sec. 2f.)

PINE HILL CRYSTAL SPRING WATER

The words "Crystal Spring Water Co." are disclaimed.
Applicant claims ownership of Registration No. 272,313.
For Spring Water.
Claims use since 1901.

Ser. No. 610,954. John Calvin Core, Jr., Huntington, W. Va. Filed Mar. 7, 1951.

YOGI COLA

The word "Cola" is disclaimed.
For Non-Alcoholic, Maltless Soft Drinks.
Claims use since Feb. 27, 1951.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 495,352. Consolidated Companies, Inc., Plaquemine, La. Original filed, act of 1905, Jan. 7, 1946; amended to application under act of 1946, Principal Register, Dec. 10, 1948.



The drawing is lined for red. The word "Brand" is disclaimed. Applicant claims ownership of Registrations Nos. 134,487 and 159,852.
For Canned Fruits and Vegetables; Canned Fruit Juices and Canned Vegetable Juices; Canned Figs; Canned Soup; Salad Oils; Alimentary Paste; Canned Pork and Beans; Tomato Sauce; Tomato Paste; Pepper Sauce; Canned Evaporated Milk; Mayonnaise; Salad Dressing; Coffee; Canned Fish; Canned Oysters; Canned Shrimp; Table Syrup; Salt; Black Pepper; Red Pepper; Rolled Oats; Hominy Grits; Sandwich Spread; Wheat Flour; and Stock and Poultry Feeds.
Claims use since 1914.

Ser. No. 513,680. Pacific Grape Products Company, Modesto, Calif. Original filed, act of 1905, Dec. 4, 1946; amended to application under act of 1946, Principal Register, Jan. 30, 1950. (Sec. 2f.)



The drawing is lined for red. Applicant claims ownership of Registrations Nos. 329,893 and 390,901.
For Canned Frozen Fresh Deciduous Fruits.
Claims use since Jan. 10, 1940.

Ser. No. 531,749. Alas Ellis Auger, Old Orchard Beach, Maine. Filed Aug. 19, 1947.



For Candy
Claims use since May 7, 1947.

Ser. No. 538,392. James J. Funsten, doing business as Funsten Company, San Francisco, Calif. Filed Oct. 20, 1947.

SIERRA

Applicant claims ownership of Registration No. 124,090.
For Canned Salmon, Tuna, Crab, Sardines, Pilchards, Mackerel.
Claims use since Feb. 19, 1918.

Ser. No. 540,183. Fletcher-Eichman & Company, Inc., Chicago, Ill. Filed Nov. 5, 1947.

BONARO

For Extracts for Flavoring Food; Food Gelatins; Meringue and Marshmallow Powders for Foods; Emulsifiers and Stabilizers Consisting of Egg Yolks, Milk Solids, Monoglycerides, Sugar Solids, and Diglycerides Used in Ice Cream Mixes.
Claims use since June 22, 1927.

Ser. No. 548,458. Armour and Company, Chicago, Ill. Filed Jan. 31, 1948.

KRE-MAX

For Vegetable Shortening.
Claims use since 1930.

Ser. No. 548,965. Hudson Food Products Company, Inc., New York, N. Y. Filed Feb. 6, 1948. (Sec. 2f.)

Hudson Maid

For Canned Fish.
Claims use since Oct. 3, 1941.

Ser. No. 561,694. Wm. E. Silver, doing business under the name and style of Wm. E. Silver Sales Co., Colora, Md. Filed July 19, 1948. (Sec. 2f.)

JUST OFF THE COB

For Canned Corn.
Claims use since Sept. 16, 1910.

Ser. No. 562,637. Robert A. Giovinazzi, doing business under the name of Jeanne Doll Produce, Vineland, N. J., assignor to C. A. Giovinazzi & Sons, Vineland, N. J., a partnership. Filed Aug. 2, 1948.

JEANNE DOLL

The words "Jeanne Doll" are not believed the name of any particular living individual.
For Fresh Produce—Namely, Tomatoes, Radishes, and Celery, and Unshelled Nuts.
Claims use since Dec. 3, 1946.

Ser. No. 563,826. State Brand Creameries, Inc., Mason City, Iowa. Filed Aug. 21, 1948.

State Brand

The word "Brand" is disclaimed. Applicant claims ownership of Registration No. 339,235.
For Butter and Dried Milk Solids.
Claims use since Nov. 17, 1944.

Ser. No. 572,010. American Chicle Company, Long Island City, N. Y. Filed Jan. 12, 1949.

TEMPTERS

For Chewing Gum.
Claims use since May 1918.

Ser. No. 574,223. Farley Manufacturing Company, Skokie, Ill. Filed Feb. 21, 1949. (Sec. 2f.)

Farley's

For Candies.
Claims use since 1909.

Ser. No. 586,004. Kraft Foods Company, Chicago, Ill. Filed Oct. 8, 1949. (Sec. 2f.)

KRAFT

Applicant claims ownership of Registrations Nos. 167,054, 179,451, and others.
For Cheese, Grated Cheese, Pasteurized Process Cheese, Pasteurized Process Cheese Food, Pasteurized Process Cheese Spread, Pasteurized Cheese Spread, Pasteurized Cream Cheese Spread, Pasteurized Neufchatel Cheese Spread, Cheese Flavor Consisting Principally of Cheese Suspended in an Edible Oil, Cheese Sauce Consisting Principally of Cheese, French Dressing, Mayonnaise, Salad Dressing, Horse Radish, Tartar Sauce, Sandwich Spread Consisting Principally of Salad Dressing or Mayonnaise, Chocolate Flavored Malted Milk in Dry Form, Plain Malted Milk in Dry Form, Ice Cream Mix for Making Ice Cream, Whey Concentrate, Dry Milk Fat, Frosted Malt Mix for Making Frozen Confections, a Blend of Buttermilk, Whey, and Wheat Flour in Powdered Form for Use in Bakery Products; Stabilizer for Ice Cream Manufacture, Stabilizing Material for Use in Soups, Gravies, Sherbets, Custards, Egg Nogs, Icings and Other Food Products; Powdered Shortening Consisting of Vegetable Oil Combined With Skim Milk or Whey, Sauce for Salads, Seafoods and Meats; Cheese-Flavored Popcorn.
Claims use since 1909.

Ser. No. 586,730. Di Giorgio Fruit Corporation, San Francisco, Calif. Filed Oct. 24, 1949. (Sec. 2f.)

HI-COLOR

Applicant claims ownership of Registration No. 261,659.
For Fresh Fruits—Namely, Plums, Grapes, and Apricots.
Claims use since July 22, 1928.

Ser. No. 587,423. Samuel Brown, doing business under the name and style Bonnee Frozen Products Co., University City, Mo. Filed Nov. 7, 1949.

Bonnee

For Finely Chopped Beef That Has Been Moulded, Frozen, Sliced, and Buttered To Form Beef Patties Which Consist of Thin Layers of Meat Interleaved With Butter.
Claims use since Nov. 25, 1941.

Ser. No. 588,712. Scudder Food Products, Inc., Monterey Park, Calif. Filed Dec. 2, 1949.



The mark consists of the figure of a blue bird with hat and cane.
For Food Products—Namely, Potato Chips, French Dressing, Mayonnaise, Peanut Butter, and Nut Meats.
Claims use since 1933.

Ser. No. 590,058. American Stores Company, Philadelphia, Pa. Filed Dec. 29, 1949.

OLIVAR

For Olives.
Claims use since Sept. 1, 1939.

Ser. No. 593,296. Sisco-Hamilton Co., Chicago, Ill. Filed Mar. 2, 1950.

I-Will!

For Candy Bars.
Claims use since Feb. 22, 1943.

Ser. No. 594,849. Kraft Foods Company, Chicago, Ill. Filed Mar. 29, 1950.

BADGER

Applicant claims ownership of Registration No. 137,373.
For Cheese.
Claims use since 1911.

Ser. No. 596,725. Hunter Packing Company, East St. Louis, Ill. Filed May 2, 1950.

HUNTERIZED

Applicant claims ownership of Registrations Nos. 363,560 and 363,069.
For Smoked Ham.
Claims use since Nov. 2, 1947.

Ser. No. 596,740. Mars, Incorporated, Chicago, Ill. Filed May 2, 1950.

MARS CHOCOLATE BITS

The words "Chocolate Bits" are disclaimed. Applicant claims ownership of Registrations Nos. 316,733, 308,958, and 304,055.
For Candy.
Claims use since August 1926.

Ser. No. 597,051. A. & R. Lettuce Company, Salinas, Calif. Filed May 8, 1950.

GERONIMO

The representation of the Indian is fanciful. "Geronimo" is the name of the celebrated Apache Indian Chief, now deceased.
For Fresh Vegetables.
Claims use since Dec. 3, 1949.

Ser. No. 597,067. The Creasey Company, Louisville, Ky. Filed May 8, 1950.

Fern Queen

For Package Coffee and Package Condiments—Namely, Salad Dressing and Mayonnaise.
Claims use since Oct. 15, 1949.

Ser. No. 597,435. D'Arrigo Bros. Co. of California, San Jose, Calif. Filed May 15, 1950.

Sky-Wonder



For Fresh Vegetables.
Claims use since Apr. 20, 1950.

Ser. No. 598,973. C. O. Williams, Graceville, Fla. Filed June 12, 1950.

Flowing Gold

The word "Gold" is disclaimed.
For Food Products—Namely, Table Syrup.
Claims use since April 1941.

Ser. No. 599,828. Henny Penny, Inc., Salt Lake City, Utah. Filed June 27, 1950.

TURKEY LURKEY

The word "Turkey" is disclaimed.
For Packaged Turkey Portions.
Claims use since May 15, 1950.

Ser. No. 600,251. Beatrice Foods Co., Chicago, Ill. Filed July 6, 1950.

Beatrice Cooke

The name "Beatrice Cooke" is fanciful.
For Bread Mix.
Claims use since Mar. 23, 1950.

Ser. No. 602,109. Planters Nut & Chocolate Co., Wilkes-Barre, Pa. Filed Aug. 11, 1950.



The word "Peanut" is disclaimed. The drawing is lined for orange. Applicant claims ownership of Registrations Nos. 508,052, 206,415, and others.
For Shelled Salted Peanuts.
Claims use since Oct. 5, 1949.

Ser. No. 602,512. Lucy Lynne, Inc., Brooklyn, N. Y. Filed Aug. 21, 1950.

Lucy Lynne

The mark "Lucy Lynne" is not the name of any living individual known to applicant.
For Chocolate Candies.
Claims use since May 24, 1944.

Ser. No. 603,425. Lorenzo Zerillo, Riverbank, Calif. Filed Sept. 11, 1950.

OREMUS

For Canned Vegetables and Canned Tomato Paste.
Claims use since Aug. 12, 1950.

Ser. No. 605,090. Broussard's of New Orleans, Miami Beach, Fla. Filed Oct. 18, 1950.

Sea-Bun

For Food Sauces Intended for Use With Seafood and Meats Consisting of Tomatoes, Sugar, Onions, Vinegar, Salt, Garlic, Corn Oil, Gelatin, Horseradish, Flour, Wine, Butter, Beef Extract, and Spices.
Claims use since Aug. 21, 1950.

Ser. No. 607,379. Flavor Corporation of America, Chicago, Ill. Filed Dec. 7, 1950.

STOC-JOY

The word "Stoc" is disclaimed.
For Stock Feed Flavors—Namely, Concentrates for Mineral and Protein Stock Feeds Containing Extractives of Anise, Molasses, Tonka, Birch, Lime, Clove, Tolu, Angelica, Basil, Fenugreek, Molasses Distillates, Cinnamon, Caraway, Tonquin Musk, Vanillin, Corn Sugar, Ester Emulsifying and Stabilizing Agents.
Claims use since Sept. 28, 1947.

Ser. No. 607,713. Meat Industry Suppliers, Inc., Chicago, Ill. Filed Dec. 15, 1950.

"PROAT"

For Sausage Binder Made From a Blend of Flours for Use in Making Sausages.
Claims use since Dec. 5, 1950.

Ser. No. 608,228. Swift & Company, Chicago, Ill. Filed Dec. 29, 1950.

"FLORECITA"

The word "Florecita" has the meaning of "Little Flower" in the Spanish language.
For Powdered Whole Milk.
Claims use since July 1950.

Ser. No. 608,717. B. M. Reeves Company, Inc., Brooklyn, N. Y. Filed Jan. 12, 1951. (Sec. 2f.)

RIVOLI

Applicant claims ownership of Registration No. 167,972.
For Edible Olive Oil.
Claims use since Apr. 4, 1921.

Ser. No. 610,108. Sunset Packing Co., Inc., West Pembroke, Maine. Filed Feb. 14, 1951.

PATSY

For Canned Sardines.
Claims use since Feb. 13, 1935.

Ser. No. 610,213. Green Giant Company, Le Sueur, Minn. Filed Feb. 17, 1951.



The representation of the peas is disclaimed. The figure is fanciful. Applicant claims ownership of Registrations Nos. 230,035, 285,942, 285,943, 285,983, 286,422, 315,133, 413,661, 434,921, 434,922, 434,923, and 434,924.
For Frozen Peas.
Claims use since Sept. 28, 1950.

Ser. No. 610,508. Carnation Company, Los Angeles, Calif. Filed Feb. 26, 1951. (Sec. 2f.)

LAB-MIX

For Feed Concentrate for Dairy Stock, Swine, and Poultry, Composed Mainly of Ground Grains, Vitamin Concentrates, and Minerals.
Claims use since Dec. 18, 1941.

Ser. No. 610,875. Thornton Canning Company, Thornton, Calif. Filed Mar. 5, 1951.

FULL BLOOM

For Canned Fruits and Canned Fruit Juices.
Claims use since October 1938.

Ser. No. 610,920. Paramount Macaroni Manufacturing Co., Inc., Brooklyn, N. Y. Filed Mar. 6, 1951.

PARAMOUNT

Applicant claims ownership of Registration No. 283,218.
For Macaroni.
Claims use since Dec. 1, 1930.

Ser. No. 611,113. Turn-Over Foods, Inc., Evanston, Ill. Filed Mar. 9, 1951.

Turn-Over

For Butter, Oleomargarine, Cheese, and Ice Cream.
Claims use since Jan. 8, 1951.

Ser. No. 611,239. Port Chatham Packing Co. Inc., Seattle, Wash. Filed Mar. 13, 1951. (Sec. 2f.)

PORTLOCK

For Canned Salmon and Packaged Smoked Salmon.
Claims use since Oct. 25, 1941.

Ser. No. 611,464. Absalon Brands, Inc., New York, N. Y. Filed Mar. 17, 1951.

ST. CLEMENS

For Cheeses.
Claims use since Oct. 27, 1950.

Ser. No. 611,567. Fair View Packing Company, Inc., Hollister, Calif. Filed Mar. 20, 1951.

Celeste

For Canned Tomato Puree.
Claims use since Oct. 25, 1942.

Ser. No. 611,568. Fair View Packing Company, Inc., Hollister, Calif. Filed Mar. 20, 1951.

TERESA

For Canned Tomatoes.
Claims use since Oct. 10, 1942.

Ser. No. 616,838. King Cole Candies, Inc., Chicago, Ill. Filed Aug. 1, 1951.

LADY HELEN

For Candy.
Claims use since January 1941.

CLASS 47

WINES

Ser. No. 492,736. Petri Wine Company, San Francisco, Calif., by change of name from Petri Cigar Company, Inc., doing business as Petri Wine Company. Original filed, act of 1905, Dec. 5, 1945; amended to application under act of 1946, Principal Register, July 9, 1951. (Sec. 2f.)

PETRI SIGNATURE BOTTLE

Angelo Petri

The name is in the handwriting of Angelo Petri, consent given. The words "Signature Bottle" and the representation of the grapes are disclaimed. Applicant claims ownership of Registrations Nos. 104,153, 104,154, 387,531, 403,442, 403,443, 417,209, and 542,120.

For Wines.

Claims use since September 1945 as to the mark as shown; and since 1891 as to the word "Petri."

Ser. No. 607,975. K. Arakelian, Inc., doing business as Mission Bell Wineries and Mission Wineries, Madera, Calif., and as Mission Wineries, Escalon, Calif. Filed Dec. 22, 1950.

Mission Bell

Applicant claims ownership of Registrations Nos. 316,222 and 371,899.

For Wines and Champagnes.

Claims use since March 1932.

Ser. No. 609,038. Madrone Vineyards, doing business as Almaden-Madrone Vineyards, Madrone, Calif. Filed Jan. 20, 1951.



The portraits shown upon the drawing are fanciful. The lining and stipples are for shading. The representation of the clusters of grapes is disclaimed.

For Wines.

Claims use since Sept. 3, 1947.

Ser. No. 609,039. Madrone Vineyards, doing business as Almaden-Madrone Vineyards, Madrone, Calif. Filed Jan. 20, 1951.



The portraits are fanciful. The lining is for shading only. The representation of the clusters of grapes is disclaimed.

For Wines.

Claims use since May 5, 1948.

Ser. No. 609,040. Madrone Vineyards, doing business as Almaden-Madrone Vineyards, Madrone, Calif. Filed Jan. 20, 1951.



The portraits are fanciful. The lining is for shading only. The representation of the cluster of grapes is disclaimed.

For Wines.

Claims use since Sept. 22, 1948.

Ser. No. 609,041. Madrone Vineyards, doing business as Almaden-Madrone Vineyards, Madrone, Calif. Filed Jan. 20, 1951.



The portraits are fanciful. The lining and stipples are for shading only.

For Wines.

Claims use since Apr. 22, 1949.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 560,121. J. & F. Martell, Inc., New York, N. Y. Filed June 24, 1948. (Sec. 2f.)



The words "Cognac" and "Brandy" and the representation of a label are disclaimed. "J. & F. Martell" were Jean Martell and Frederic Martell, who are now deceased, and who were members of Martell & Co., applicant's predecessor in business. Applicant claims ownership of Registrations Nos. 72,228, 328,095, and others.

For Brandy.

Claims use since July 1, 1863.

Ser. No. 588,955. Hunter-Wilson Distilling Co., Inc., Bristol, Pa., and New York, N. Y. Filed Dec. 7, 1949.



The figure is fanciful and the lining is for shading purposes only. Applicant claims ownership of Registrations Nos. 17,647, 31,385, 46,986, 54,195, 310,071, 328,457, and 331,852.

For Alcoholic Beverages—Namely, Whiskey.

Claims use since Mar. 27, 1945.

Ser. No. 605,219. J. & F. Martell, Inc., New York, N. Y. Filed Oct. 20, 1950. (Sec. 2f.)

MARTELL



The outline of a label is disclaimed. "J. & F. Martell" were Jean Martell and Frederic Martell, who are now deceased, and who were members of Martell & Co., applicant's predecessor in business. Applicant claims ownership of Registrations Nos. 72,228, 328,095, 328,929, 330,844, 333,350, and 328,888.

For Brandy.

Claims use since Feb. 18, 1933, as to the composite mark; and since July 1, 1863, as to that part consisting of "Martell," "Martell & Co.," the shield device, and "J. & F. Martell."

Ser. No. 608,808. Bellows & Company, Inc., New York, N. Y. Filed Jan. 16, 1951.

FIELD TRIAL

The lining is for shading only.

For Whiskey.

Claims use since Jan. 9, 1951.

Ser. No. 608,812. Bellows & Company, Inc., New York, N. Y. Filed Jan. 16, 1951.

TOP DRAWER

The lining is for shading only.

For Whiskey.

Claims use since Jan. 9, 1951.

Ser. No. 609,034. Gallagher & Burton, Inc., Bristol, Pa. Filed Jan. 20, 1951. (Sec. 2f.)

GALLAGHER & BURTON'S

Applicant claims ownership of Registrations Nos. 310,520 and 51,583.

For Alcoholic Beverage—Namely, Whiskey.

Claims use since 1884.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 575,319. American Hair & Felt Company, Chicago, Ill. Filed Mar. 12, 1949.

Ozite

The looped portion of the drawing is lined for red. The words "Rug Cushion" and "Tread" are disclaimed. Applicant claims ownership of Registrations Nos. 172,349, 169,084, and 250,198.

For Hair Carpet Cushions.

Claims use since Dec. 15, 1934.

Ser. No. 581,073. Manifold Supplies Company, Brooklyn, N. Y. Filed June 25, 1949.

PANAMAT

Applicant claims ownership of Registrations Nos. 504,448 and 504,693.

For Mats To Be Typed Upon Through a Ribbon and for Use in Duplicating Machines.

Claims use since June 3, 1949.

Ser. No. 585,737. Apex Tire & Rubber Co., Pawtucket, R. I. Filed Oct. 4, 1949.

SOL-TEX

For Synthetic Copolymer Sheet Material in the Nature of Artificial Leather for Making the Outer Soles of Shoes.

Claims use since June 1, 1948.

Ser. No. 592,298. Barker Poultry Equipment Co., Ottumwa, Iowa. Filed Feb. 11, 1950. (Sec. 2f.)

BARKER

Applicant claims ownership of Registration No. 528,573.

For Poultry Feeding Batteries, Poultry Wire Coops, and Poultry Water Fountains.

Claims use since 1925.

Ser. No. 599,449. Perry Metal Products Co. Inc., Brooklyn, N. Y. Filed June 20, 1950.



The drawing is lined for shading.

For Trouser Hangers.

Claims use since Apr. 5, 1950.

Ser. No. 605,927. Studner-Blumenthal Co., New York, N. Y. Filed Nov. 4, 1950.

Dynahyde

For Leather Substitute.

Claims use since July 1950.

Ser. No. 606,504. The Ballymore Company, Wayne, Pa. Filed Nov. 17, 1950.



For Ladders.

Claims use since Oct. 25, 1950.

Ser. No. 606,646. Animal Trap Company of America, Lititz, Pa. Filed Nov. 20, 1950. (Sec. 2f.)

Easy Set

For Traps.
Claims use since August 1909.

Ser. No. 607,734. American Felt Company, Glenville, Conn. Filed Dec. 16, 1950.

SunlineSlipper Felt

The words "Slipper Felt" are disclaimed.
For Felt and Felting Sold in the Piece and Intended for Various Uses, as Making Shoes and Slippers.
Claims use since Dec. 12, 1950.

Ser. No. 607,784. Williford Manufacturing Company, Memphis, Tenn. Filed Dec. 16, 1950.



The representation of the goods is disclaimed. Applicant claims ownership of Registration No. 516,818.
For Pallet and Skid Platforms.
Claims use since Jan. 1, 1950.

Ser. No. 607,785. Williford Manufacturing Company, Memphis, Tenn. Filed Dec. 16, 1950.



The representation of the goods is disclaimed.
For Pallet and Skid Platforms.
Claims use since Jan. 1, 1950.

CLASS 51
COSMETICS AND TOILET PREPARATIONS

Ser. No. 568,628. Johnson & Johnson, New Brunswick, N. J. Filed Nov. 12, 1948.



Applicant claims ownership of Registration No. 96,680.
For Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses.
Claims use since June 20, 1913.

Ser. No. 568,631. Johnson & Johnson, New Brunswick, N. J. Filed Nov. 12, 1948.



Applicant claims ownership of Registration No. 96,680.
For Antiseptics; Cosmetics—Namely, Creams, Lotions, Oils, Powders, and Talcum, All for Medical, Surgical, Pharmaceutical, and Nursery Uses.
Claims use since Aug. 18, 1914.

Ser. No. 581,323. Willie L. Clark, Charleston, W. Va. Filed June 30, 1949.

Willie Mae

For Hair Dressing of a Petroleum Jelly Base Compounded To Give a Soft Glow to the Hair.
Claims use since Jan. 1, 1946.

Ser. No. 593,114. Marilyn Gorman, doing business as The Marilyn Shoppe, Rye, N. Y. Filed Feb. 27, 1950.



The drawing is lined for red and gray. The word "Cairo" is disclaimed.
For Perfume.
Claims use since Oct. 26, 1946.

Ser. No. 593,607. Jack B. Nethercutt, doing business as Nethercutt Laboratories, Santa Monica, Calif. Filed Mar. 8, 1950.

RESORT

For Cologne, Perfume, Dusting Talcum, Bath Salts, Bath Oil, Deodorant for Personal Use, and Creme Sachet.
Claims use since Feb. 1, 1950.

Ser. No. 593,852. Elizabeth Arden Sales Corporation, New York, N. Y. Filed Mar. 13, 1950.

ELIZABETH ARDEN
SPUN CREAM PERMANENT WAVE

The wording "Spun Cream Permanent Wave" is disclaimed.
For Hair Waving Lotion and Neutralizer.
Claims use since Feb. 1, 1950.

Ser. No. 594,487. Pacquin-Lester Company, Litchfield, Conn. Filed Mar. 23, 1950.

Pacquins

The word "Lotion" is disclaimed. Applicant claims ownership of Registration No. 322,981.
For Lotion for Hands and Skin.
Claims use since Jan. 9, 1950.

Ser. No. 594,634. Alfred Dunhill of London, Inc., New York, N. Y. Filed Mar. 23, 1950.

WINDSHIELD WIPER

For Compacts Containing Powder.
Claims use since Mar. 20, 1950.

Ser. No. 595,598. J. T. Ferguson, doing business as Audrea du Val Laboratories, Chicago, Ill. Filed Apr. 12, 1950.

Audrea du Val

The mark "Audrea du Val" is not the name of any known living person. Applicant claims ownership of Registration No. 266,012.
For Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Rouge, Lipsticks, Dusting Powder, Sachet in Powder Form, Cold Cream, Lotions for the Skin and Hair, Liquid for Removing Nail Polish, Liquid for Removing Cuticle, Nail White, Eyebrow Pencils, Liquid Makeup Foundation, Hand Cream, After Shaving Lotion, Deodorant Cremes.
Claims use since Oct. 23, 1928.

Ser. No. 595,934. G. Barr and Company, Chicago, Ill. Filed Apr. 19, 1950. (Sec. 2f.)

BARR

Applicant claims ownership of Registration No. 404,225.
For Bleaching Peroxide, Nail Polish Remover, Brilliantine, Hair Wave Lotion, Hair Oil.
Claims use since Oct. 13, 1935.

Ser. No. 606,559. A. L. McDonald, Milford, Utah. Filed Nov. 17, 1950.

Kao

For Tooth and Denture Powder.
Claims use since July 1, 1950.

Ser. No. 609,853. Florasynth Laboratories, Incorporated, New York, N. Y., and Chicago, Ill. Filed Feb. 9, 1951.

FORBAN

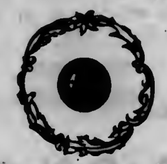
For Perfumes, Colognes, Essences, and Aromatic Chemicals Used as Bases for Cosmetics and Toilet Preparations.
Claims use since Jan. 11, 1951.

Ser. No. 610,164. Consolidated Cosmetics, Chicago, Ill. Filed Feb. 16, 1951.

COMMON SENSE

For Dry Cologne, Face Powder, Lipstick, and Hand Lotion.
Claims use since Jan. 10, 1951.

Ser. No. 610,341. Roger & Gallet, New York, N. Y. Filed Feb. 20, 1951.



For Perfume, Perfume Extracts, Toilet Water, Face Cream, Hand Cream, Cold Cream, Face Powder, Bath Powder, Sachet Powder, Dry Rouge, Cream Rouge, Lipstick, Lip Pomade, Lotion, Brilliantine, Eau de Cologne.
Claims use since 1950.

Ser. No. 610,368. Liquinet Corporation, Chicago, Ill. Filed Feb. 21, 1951.

Liquinet

For Soft Wave Retaining Preparation for Treating the Hair, in Liquid Form.
Claims use since Oct. 20, 1947.

CLASS 52
DETERGENTS AND SOAPS

Ser. No. 529,850. Armour and Company, Chicago, Ill. Filed July 29, 1947.

X. L.

For Soap.
Claims use since 1920.

Ser. No. 561,049. George Senn, Inc., Philadelphia, Pa. Filed July 9, 1948.

SENCO

For Naphthas for Use in Dry Cleaning.
Claims use since 1917.

Ser. No. 573,535. Eastern Chemical Corporation, Reading, Pa. Filed Feb. 9, 1949.

Ultron

For Cleaner for Mechanical Dishwashing Having Water-Conditioning Properties.
Claims use since Sept. 1, 1948.

Ser. No. 573,645. Century Metalcraft Corporation, Los Angeles, Calif. Filed Feb. 10, 1949.

Savemaster

For General Cleaning Compound Comprising Granular Material and Soap, Particularly Suited for Cleaning Kitchen Equipment and Cooking and Serving Utensils.
Claims use since March 1948.

Ser. No. 580,162. Jacques Wolf & Co., Clifton, N. J. Filed June 8, 1949.

PARNOL

For Sodium Salt of Dodecyl Benzene Sulfonate Which Is Used as a Detergent, Wetting Agent, Dye Assistant for Cotton, Rayon, Acetate Rayon, Wool, Silk and Other Natural and Synthetic Fibers; Also Used for Household Laundry, Floor, Furniture, Woodwork, Dishes, Porcelain, Wallpaper, and in Cleaning Compositions for Upholstery, Leather Gloves, Shoes, Automobiles, Windows, Windshields; in Hand Soaps and Scouring Powders.
Claims use since Jan. 28, 1949.

Ser. No. 590,477. Allied Chemical & Dye Corporation, New York, N. Y. Filed Jan. 3, 1950.

HCX-322

For Detergent for General Cleaning Purposes.
Claims use since 1948.

Ser. No. 591,407. Andrew De Capio, doing business as Globe Cleaning Company, Mansfield, Ohio. Filed Jan. 23, 1950.

Workable Wall

The word "Wall" is disclaimed.
For Liquid Cleaning Compound for Walls, Floors, Woodwork, Linoleum, and Exterior Surfaces of Houses and the Like.
Claims use since Nov. 24, 1949.

Ser. No. 595,065. Martin Driscoll & Company, Chicago, Ill. Filed Apr. 1, 1950.

BLANKOT

For Cleansing and Revitalizing Compound for Use on Printing Ink Transfer Surfaces for Removing the Ink and Dirt Therefrom and Revitalizing the Composition of Which These Surfaces Are Composed.
Claims use since June 24, 1929.

Ser. No. 597,401. Joseph H. Kremer, doing business under the name and style of Madison Salons, New York, N. Y. Filed May 13, 1950.

TŌNA-FŌME

For Hair Shampoo Preparation.
Claims use since Dec. 15, 1947.

Ser. No. 602,479. West Disinfecting Company, Long Island City, N. Y. Filed Aug. 19, 1950.

SANIKLEEN

For Chemical Preparation Used as a Combined Odorless General Purpose Cleaner and Sanitizer.
Claims use since Aug. 1, 1950.

Ser. No. 603,434. Bowes "Seal-Fast" Corporation, Indianapolis, Ind. Filed Sept. 12, 1950. (Sec. 2f.)

BOWES SEAL FAST

The drawing is lined for shading. Applicant claims ownership of Registrations Nos. 329,168, 236,271, 366,508, and 150,667.
For Compound for Removing Rust and Scale From Radiators and for Inhibiting and Removing Rust From Engine Cooling Systems.
Claims use since Jan. 1, 1927.

Ser. No. 606,495. Service Industries, Philadelphia, Pa. Filed Nov. 16, 1950.

FLICK

For Toilet Bowl Cleaner.
Claims use since Nov. 14, 1950.

SERVICE MARKS

CLASS 100

MISCELLANEOUS

Ser. No. 531,743. Westinghouse Electric Corporation, East Pittsburgh, Pa. Filed Aug. 18, 1947.

THERM·A·NEERING

The word "Therm" is disclaimed.
For Heat and Control Engineering Service.
Claims use since Apr. 1, 1947.

Ser. No. 556,490. Wesley A. Sorensen, doing business under the style of The Doll House Company, Salt Lake City, Utah. Filed May 7, 1948.



The phrase "Good Home Cooking" and the word "House" are disclaimed. Applicant claims ownership of Registration No. 264,730.
For Restaurant and Drive-in Lunch Service.
Claims use since June 20, 1928.

Ser. No. 579,985. Lane-Wells Company, Los Angeles, Calif. Filed June 4, 1949. (Classified in Class 103.) (Sec. 2f.)

LANE WELLS COMPANY

The drawing is not lined for color.
For Technical Services in the Oil Fields Comprising: Well Casing Perforation by Means of Gun Type Perforators; Electrical, Temperature and Radio-Activity Well Logging; Water Locating; Well Borehole Surveying; Formation Testing; and Setting of Packers, Bridging Plugs, and Liner Hangers.
Claims use since April 1938.

Ser. No. 591,284. R. Bernard Davis, Okmulgee, Okla. Filed Jan. 23, 1950.

Tribute Service

The word "Service" is disclaimed. The lining indicates lining forming part of the mark, and is not for color. Applicant claims ownership of Registration No. 439,200.
For Funeral Plan Services—Namely, Counselling, Advising, and Directing Relative to Life Insurance, Bank Savings, and Financing on a Time Payment Plan for Pre-Arranging and Pre-Financing Funerals.
Claims use since Aug. 22, 1946.

Ser. No. 599,576. National Chinchilla Breeders of America, Incorporated, Salt Lake City, Utah. Filed June 22, 1950.



The representation of the head of a chinchilla is disclaimed.
For Services Rendered to Breeders of Live Chinchillas in the Registering of Chinchilla Pedigrees, in Guiding the Adoption of Different Brands To Be Applied to Live Chinchillas by the Breeders, to the End That One Breeder's Stock Will Be Differentiated From Another's in the Keeping of Records of Pedigrees and Brands, and in the Supplying of Pertinent Information Dealing With the Care and Marketing of Chinchillas.
Claims use since Aug. 1, 1938.

Ser. No. 605,044. Modern Packagings, Dallas, Tex. Filed Oct. 17, 1950.

Martha Page

"Martha Page" is a fictitious name.
For Designing of Gift Wrappings and Advisory and Consultation Services in Gift Wrapping.
Claims use since Jan. 1, 1950.

CLASS 101

ADVERTISING AND BUSINESS

Ser. No. 591,602. Alma Artcraft Co., Inc., New York, N. Y. Filed Jan. 28, 1950.

Prestige Advertising Premiums "REMINDS THEM OF YOU"

The words "Advertising Premiums 'Reminds Them of You'" are disclaimed.
For Printing Services—Namely, Printing Advertising Matter on Calendars, Premiums, Pencils, Blotters, Plastic Rulers, and Other Articles Used for Advertising.
Claims use since November 1949.

CLASS 103

CONSTRUCTION AND REPAIR

Ser. No. 579,985. Lane-Wells Company, Los Angeles, Calif. Filed June 4, 1949. (Sec. 2f.)
The drawing is not lined for color.

LANE WELLS COMPANY

For Technical Services in the Oil Fields Comprising: Well Casing Perforation by Means of Gun Type Perforators; Electrical, Temperature and Radio-Activity Well

Logging; Water Locating; Well Borehole Surveying; Formation Testing; and Setting of Packers, Bridging Plugs, and Liner Hangers.
Claims use since April 1938.

CLASS 104

COMMUNICATION

Ser. No. 541,098. Crosley Broadcasting Corporation, Cincinnati, Ohio. Filed Nov. 14, 1947.

Singing Battle Royal

For Services Consisting of Radio Program Broadcasting.
Claims use since February 1945.

CLASS 106

MATERIAL TREATMENT

Ser. No. 555,578. Wallace & Tiernan Products, Inc., Belleville, N. J. Filed Apr. 24, 1948.

DECCO

For Services in the Enabling and Effectuation, Through and by Personnel, Apparatus, and Materials Belonging to It or Its Said Related Company, of the Use, on the Premises of Others, of Procedures for the Treatment of Fruits and Vegetables With Chemical Agents To Inhibit Decay or Like Deterioration.
Claims use since July 6, 1934.

CLASS 107

EDUCATION AND ENTERTAINMENT

Ser. No. 543,252. Bulletin Company, Philadelphia, Pa. Filed Mar. 4, 1948.

(No Drawing)

The Mark Comprises the Spoken Words "WITH THE SOUND OF THE LIBERTY BELL" And the Sound of the Liberty Bell Ringing

For Information Service in the Nature of a Radio News Program.
Claims use since Oct. 27, 1947.

Ser. No. 543,254. Bulletin Company, Philadelphia, Pa. Filed Mar. 4, 1948.

(No Drawing)

The Mark Comprises the Spoken Words "WITH THE RINGING OF THE LIBERTY BELL" And the Sound of the Liberty Bell Ringing

For Information Service in the Nature of a Radio News Program.
Claims use since Apr. 23, 1945.

Ser. No. 563,865. Arthur Murray, Inc., New York, N. Y. Filed Aug. 23, 1948.

ARTHUR MURRAY

For Instruction in Dancing.
Claims use since October 1921.

Ser. No. 607,458. Aut Swenson, Springfield, Mo. Filed Dec. 8, 1950.

AUT SWENSON THRILLCADE

For Entertainment Service, the Service Being a Thrill Show in Which Are Used Automobiles, Motorcycles, and Helicopters; the Said Vehicles Being Used in Stunting and in Performances Before Grand Stands at Fairgrounds and Race Tracks, and in News Reels.
Claims use since Sept. 16, 1950.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

444,391. Periodical Publication. The Linde Air Products Company, New York, N. Y., now by merger Union Carbide and Carbon Corporation, a corporation of New York.
Filed Sept. 4, 1946, Serial No. 508,482. Published Feb. 15, 1949. Class 38.

444,592. Rice and Edible Vegetable Oils. Bycla Sociedad Anonima Comercial Industrial y Financiera, Buenos Aires, Argentina.
Filed Dec. 19, 1946, Serial No. 514,521. Published July 31, 1951. Class 46.

ACT OF 1946, PRINCIPAL REGISTER

550,103. Baking Soda (Bicarbonate of Soda), for Use as an Ingredient in the Preparation of Foods. Church & Dwight Co., Inc., New York, N. Y.
Filed July 5, 1947, Serial No. 526,776. Published Aug. 14, 1951. Class 46.

550,104. Curtain Stretchers. Quaker Stretcher Company, Kenosha, Wis.
Filed Nov. 1, 1947, Serial No. 539,900. Published Aug. 7, 1951. Class 24.

550,105. Overalls and Coveralls. Harry Lang Mfg. Co., Des Moines, Iowa, assignee of Lang Industries.
Filed Nov. 10, 1947, Serial No. 540,683. Published Aug. 7, 1951. Class 39.

550,106. Wood or Steel Office Furniture—Namely, Desks, Chairs, Tables, Filing Cabinets, Card Index Trays, and Cases, Portable Ledger Supports, Adjustable Book Supports, Portable Book Supports. The McBee Company, Athens, Ohio.
Filed Dec. 6, 1947, Serial No. 543,622. Published July 31, 1951. Class 32.

550,107. Men's Dress and Sport Shirts. MacIntosh Associates, Inc., Allentown, Pa.
Filed Dec. 9, 1947, Serial No. 543,821. Published Aug. 7, 1951. Class 39.

550,108. Men's, Women's, Boys', Girls', and Infants' Hosiery. Neumode Hosiery Co., Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 543,975. Published Aug. 14, 1951. Class 39.

550,109. Children's Knit Underwear. The Taylor-Bramley Company, Chicopee Falls, Mass.
Filed Jan. 10, 1948, Serial No. 546,736. Published July 24, 1951. Class 39.

550,110. Canned Citrus Fruit Juices, Particularly Orange Juice. Southern Fruit Distributors, Inc., Orlando, Fla.
Filed Mar. 13, 1948, Serial No. 551,918. Published Aug. 30, 1949. Class 46.

550,111. Manipulable Rotative Astrological Charts Which Give Calculations Based on Scientific Data. Margaret Booth Chern, New York, N. Y.
Filed Mar. 3, 1948, Serial No. 552,539. Published July 24, 1951. Class 26.

550,112. Merchandising Cabinets and Cabinets for Parts and Tools. Kent-Moore Organization, Inc., Detroit, Mich.
Filed Mar. 25, 1948, Serial No. 552,988. Published July 24, 1951. Class 32.

550,113. Canned Blended Citrus Fruit Juices, Particularly Orange Juice With Grapefruit Juice. Southern Fruit Distributors, Inc., Orlando, Fla.
Filed Mar. 25, 1948, Serial No. 553,028. Published Aug. 30, 1949. Class 46.

550,114. Lighting Units for Use in Photoengraving for Making Special Exposures, Etc. Kemart Corporation, San Francisco, Calif.
Filed Apr. 8, 1948, Serial No. 554,123. Published June 26, 1951. Class 26.

550,115. Canned Citrus Fruits and Canned Citrus Juices. Southern Fruit Distributors, Inc., Orlando, Fla.
Filed Apr. 16, 1948, Serial No. 554,826. Published Sept. 27, 1949. Class 46.

550,116. Women's Corsets, Girdles, and One-Piece Foundations. The Strouse, Adler Company, New Haven, Conn.
Filed May 14, 1948, Serial No. 557,087. Published Aug. 14, 1951. Class 39.

550,117. Women's and Children's Blouses, Dresses, Pinafores, and Sun Suits. Helen Fenton Originals California, Los Angeles, Calif.
Filed May 22, 1948, Serial No. 557,600. Published Aug. 14, 1951. Class 39.

550,118. Shoes, Particularly Athletic Shoes Made of Leather, Rubber, Fabric, and Combinations of These Materials. John T. Riddell, Inc., Chicago, Ill.
Filed May 29, 1948, Serial No. 558,169. Published Aug. 14, 1951. Class 39.

550,119. Men's Shoes. Bernard Lee, doing business as Bernard's Bootery, Torrance, Calif.
Filed June 7, 1948, Serial No. 558,658. Published Aug. 14, 1951. Class 39.

550,120. Mattresses. U. S. Bedding Company, Memphis, Tenn.
Filed June 7, 1948, Serial No. 558,674. Published July 24, 1951. Class 32.

550,121. Ladies' and Children's Chemises, Princess Slips, Bloomers, Step-In Drawers, Step-Ins, Pajamas and Nightgowns, and Children's Dresses of a Textile Fabric. I. Schneierson & Sons, Inc., New York, N. Y.
Filed June 10, 1948, Serial No. 558,942. Published Aug. 14, 1951. Class 39.

550,122. Piece Goods of Cotton, Rayon, Wool, and Combinations Thereof. Marcus Brothers Textile Corp., New York, N. Y.
Filed June 14, 1948, Serial No. 559,165. Published July 24, 1951. Class 42.

550,123. Knitted Underwear for Men, Women, and Children. Henry J. Tully & Co., Inc., New York, N. Y.
Filed June 29, 1948, Serial No. 560,427. Published Aug. 14, 1951. Class 39.

550,124. Textile Rugs and Carpeting. Sears, Roebuck and Co., Chicago, Ill.
Filed July 15, 1948, Serial No. 561,495. Published July 24, 1951. Class 42.

550,125. Men's and Boys' Overcoats, Suits, Light Weight Suits—Namely, Tropical Worsted, Gabardine, and Seersucker, Trousers, Waist Coats, Hats, Caps, Sweaters, Mufflers, Neckties, Outer and Under Shirts, Etc. Rogers Peet Company, New York, N. Y.
Filed Aug. 12, 1948, Serial No. 563,278. Published July 31, 1951. Class 39.

550,126. Men's Suits. Hart Schaffner & Marx, Chicago, Ill.
Filed Aug. 16, 1948, Serial No. 563,470. Published July 31, 1951. Class 39.

550,127. Spectacles, Spectacle Frames, Spectacle and Goggle Frames, and Goggles. Giuseppe Ratti, Torino, Italy.
Filed Aug. 19, 1948, Serial No. 563,752. Published Aug. 7, 1951. Class 26.

550,128. Window Curtains, Drapes, Bed-Spreads, Duchesse Sets, Doilies, Table-Centres, Tea Cloths, and Table Runners, All Composed of or Incorporating Lace or Net. Stiebel & Company Limited, Nottingham, England.
Filed Sept. 27, 1948, Serial No. 565,974. Published July 24, 1951. Class 42.

550,129. Rubber Foam Upholstery Padding for Furniture. Freed Tire and Recapping Company, Cleveland, Ohio, assignor to Bonded Foam Latex Company, Inc., Cleveland, Ohio.
Filed Oct. 7, 1948, Serial No. 566,581. Published Sept. 19, 1950. Class 32.

550,130. Electric Floor Machines. Holt Manufacturing Company, Oakland, Calif.
Filed Dec. 8, 1948, Serial No. 570,202. Published Aug. 14, 1951. Class 21.

550,131. Chair Pads and Chair Seat Covers. Henry A. Enrich & Co., Inc., New York, N. Y.
Filed Jan. 18, 1949, Serial No. 572,357. Published July 31, 1951. Class 32.

550,132. Dish Towels. Charles Schwartz & Co., Chicago, Ill.
Filed Jan. 21, 1949, Serial No. 572,816. Published Aug. 7, 1951. Class 42.

550,133. Women's Overshoes Formed of Rubber, Leather, and Animal Fur. Lake States Footwear Company, Milwaukee, Wis.
Filed Feb. 3, 1949, Serial No. 573,253. Published July 24, 1951. Class 39.

550,134. Slide Projectors. Maurice M. Mummert, doing business as Admatic Projector Company, Evanston, Ill.
Filed Feb. 16, 1949, Serial No. 573,964. Published June 26, 1951. Class 26.

550,135. Felt Base, Linoleum, and Composition Floor Coverings and Rugs, Not Woven. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y.
Filed Feb. 17, 1949, Serial No. 574,010. Published Aug. 7, 1951. Class 20.

550,136. Felt Base, Linoleum, and Composition Floor Coverings and Rugs, Not Woven. Bonafide Mills, Inc., Winthrop, Maine, and New York, N. Y.
Filed Feb. 17, 1949, Serial No. 574,011. Published Aug. 7, 1951. Class 20.

550,137. Sheets and Pillow Cases. Allied Stores Corporation, New York, N. Y., assignor to Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts.
Filed Feb. 24, 1949, Serial No. 574,402. Published July 24, 1951. Class 42.

550,138. Furniture—Namely, Sofas, Chairs, Settees, Desks, and Tables. Carlton-Surrey, Inc., Grand Rapids, Mich.
Filed Feb. 26, 1949, Serial No. 574,567. Published July 31, 1951. Class 32.

550,139. Shank Stiffeners for Shoes and Steel Arch Supports To Be Built Into Shoes. Campello Shank Company, Campello and Brockton, Mass.
Filed Mar. 11, 1949, Serial No. 575,248. Published July 24, 1951. Class 39.

550,140. Household Furniture—Namely, Chairs, Davenports, Sofas, Tables, Desks, Dressing Screens, and Stands. The Franklin Furniture Co., Columbiana, Ohio.
Filed Mar. 23, 1949, Serial No. 575,919. Published July 17, 1951. Class 32.

550,141. Venetian Blinds. Hunter Douglas Corporation, New York, N. Y.
Filed Mar. 29, 1949, Serial No. 576,253. Published July 24, 1951. Class 32.

550,142. Book Used as an Educational Device. Helen R. Lowe, Glens Falls, N. Y.
Filed Apr. 9, 1949, Serial No. 576,870. Published Aug. 7, 1951. Class 38.

550,143. Stools, Benches, Seats, Tables, and Desks for Offices, Factories, and Shops; Storage Cabinets for Offices, Factories, Shops and Stores; and Steel Shelving Units for Offices, Shops, and Stores. Angle Steel Stool Company, Plainwell, Mich.
Filed Apr. 19, 1949, Serial No. 577,356. Published July 24, 1951. Class 32.

550,144. Women's Shoes. Flex Step Shoe Corporation, Philadelphia, Pa.
Filed May 3, 1949, Serial No. 578,140. Published Aug. 7, 1951. Class 39.

550,145. Furniture—Namely, Chairs, Sofas, Ottomans, Rockers, Loveseats, Tables. Fashion Furniture Manufacturing Co., Los Angeles, Calif.
Filed May 5, 1949, Serial No. 578,263. Published July 31, 1951. Class 32.

550,146. Ladies' and Misses' Shoes, Made of Leather, Suede, Canvas, Fabric, or Compositions and Combinations Thereof. Avon Shoe Co. Inc., Brooklyn and New York, N. Y.
Filed May 6, 1949, Serial No. 578,309. Published July 31, 1951. Class 39.

550,147. Women's Shoes of Leather, Fabric, Rubber, Plastic, or Combinations of Such Materials. Shu-Stiles, Incorporated, St. Louis, Mo.
Filed June 1, 1949, Serial No. 579,838. Published Aug. 7, 1951. Class 39.

550,148. Air Force Uniforms, Air Line Uniforms, Hotel Uniforms, Theatre Uniforms, Navy Uniforms, Army Uniforms, Marine Uniforms and Band Uniforms. Highway Outfitting Co., Inc., New York, N. Y.
Filed June 8, 1949, Serial No. 580,135. Published Aug. 7, 1951. Class 39.

550,149. Storage Shelving Units and Vertical Wall Bins for Offices, Shops, Work Shops, Store Rooms, and the Like, and Parts Therefor—Namely, Shelves, Dividers, Supporting Angles, Bin Fronts, Trays, and Doors. Acrow (Engineers) Limited, London, England.
Filed June 11, 1949, Serial No. 580,274. Published Aug. 7, 1951. Class 32.

550,150. Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys. J. Schoeneman, Incorporated, Baltimore, Md.
Filed June 18, 1949, Serial No. 580,752. Published Aug. 7, 1951. Class 39.

550,151. Textile Rugs and Carpeting of Wool Alone or of Wool in Substantial Part Combined With Other Fibers. Sears, Roebuck and Co., Chicago, Ill.
Filed June 25, 1949, Serial No. 581,089. Published July 24, 1951. Class 42.

550,152. Books in Pocket-Size Editions and Picture Books. Zebra Picture Books, Cincinnati, Ohio.
Filed June 28, 1949, Serial No. 581,228. Published June 19, 1951. Class 38.

550,153. Electric Water Heaters, Which Are Used To Heat Water for the Preparation of Beverages. The Silex Company, Hartford, Conn.
Filed July 12, 1949, Serial No. 581,835. Published Aug. 7, 1951. Class 21.

550,154. Rubber Soles and Heels. The Hagerstown Rubber Company, Hagerstown, Md.
Filed Aug. 9, 1949, Serial No. 583,201. Published Aug. 7, 1951. Class 39.

550,155. Dresses, Housedresses, Aprons, Hooverettes, and Pajamas for Women, Misses, and Children. Modern Manufacturing Co. Inc., New York, N. Y.
Filed Aug. 9, 1949, Serial No. 583,212. Published Aug. 7, 1951. Class 39.

550,156. Fresh Citrus Fruits and Fresh Tomatoes. Southern Fruit Distributors, Inc., Orlando, Fla.
Filed Aug. 12, 1949, Serial No. 583,414. Published Aug. 22, 1950. Class 46.

550,157. Display Racks and Storage Racks for the Display and Storage of Floor Coverings. John H. Best & Sons, Inc., Galva, Ill.
Filed Aug. 16, 1949, Serial No. 583,514. Published July 17, 1951. Class 32.

550,158. Display Racks and Storage Racks for the Display and Storage of Floor Coverings. John H. Best & Sons, Inc., Galva, Ill.
Filed Aug. 16, 1949, Serial No. 583,516. Published Aug. 7, 1951. Class 32.

550,159. Motion Picture Projectors. Bell & Howell Company, Chicago, Ill.
Filed Aug. 26, 1949, Serial No. 584,051. Published June 26, 1951. Class 26.

550,160. Women's Shoes. Daniel Mackowsky, Hackensack, N. J.
Filed Aug. 26, 1949, Serial No. 584,067. Published July 31, 1951. Class 39.

550,161. Ladies' and Misses' Shoes. Grossman's Shoes Inc., Brooklyn, N. Y.
Filed Sept. 3, 1949, Serial No. 584,449. Published Aug. 7, 1951. Class 39.

550,162. Diapers. House of Spring, Miami Beach, Fla.
Filed Oct. 7, 1949, Serial No. 585,938. Published Aug. 7, 1951. Class 39.

550,163. Waterproofing Compositions. Aquex Development and Sales Corporation, Whippany, N. J.
Filed Oct. 21, 1949, Serial No. 586,618. Published July 31, 1951. Class 6.

550,164. Hosiery for Women. Magnet Mills, Inc., Clinton, Tenn.
Filed Nov. 2, 1949, Serial No. 587,199. Published Aug. 14, 1951. Class 39.

550,165. Ruffle-Edged Quilted Coverlets. National Sure-Fit Quilting Co. Inc., Nanuet and New York, N. Y.
Filed Nov. 12, 1949, Serial No. 587,690. Published Aug. 7, 1951. Class 42.

550,166. Living Room Furniture—Namely, Chairs and Sofas. Sawyers Furniture Company, Galax, Va.
Filed Nov. 18, 1949, Serial No. 588,049. Published July 31, 1951. Class 32.

550,167. Signal Generator To Be Used in Checking the Operation of Television Receivers. Electronics Research, Inc., Evansville, Ind.
Filed Dec. 13, 1949, Serial No. 589,249. Published July 17, 1951. Class 26.

550,168. Children's Shoes Made of Leather, Fabric, and Combinations Thereof. General Shoe Corporation, Nashville, Tenn.
Filed Dec. 23, 1949, Serial No. 589,845. Published July 24, 1951. Class 39.

550,169. Hosiery, and Hosiery With Extra Sole Members Attached, Said Goods Being Suitable for Use by Men, Women, Boys, and Girls. John B. Davidson Woolen Mills, Inc., Eaton Rapids, Mich.
Filed Jan. 7, 1950, Serial No. 590,493. Published July 24, 1951. Class 39.

550,170. Sunglasses, Eyeglass Frames, Goggles, and Temple Bars. Columbia Protektosite Co. Inc., Carlstadt, N. J., assignor to Columbia Protektosite Co. Inc., Carlstadt, N. J., a corporation of Delaware.
Filed Jan. 18, 1950, Serial No. 591,018. Published July 17, 1951. Class 26.

550,171. Ready-Made Slip-Covers for Overstuffed Upholstered Furniture. Sure-Fit Products Company, Bethlehem, Pa.
Filed Jan. 20, 1950, Serial No. 591,207. Published July 31, 1951. Class 32.

550,172. Magazines. Friends of the Land, Columbus, Ohio.
Filed Feb. 1, 1950, Serial No. 591,776. Published Aug. 7, 1951. Class 38.

550,173. Pillows. Globe Feather & Down Co., Chicago, Ill.
Filed Feb. 8, 1950, Serial No. 592,143. Published June 6, 1950. Class 32.

550,174. Washer-Like Shims or Spacers for Plate Nuts. Thomas Associates, Los Angeles, Calif.
Filed Feb. 14, 1950, Serial No. 592,449. Published Aug. 7, 1951. Class 13.

550,175. Reagent Used in Detecting Urine Sugar. John Hilgers, doing business under the name and style of J. Hilgers & Co., Binghamton, N. Y.
Filed Feb. 15, 1950, Serial No. 592,494. Published Aug. 7, 1951. Class 6.

550,176. Mirrors, More Particularly, Hand, Wall, Dresser, Vanity, Door, and Easel Mirrors. Falconer Plate Glass Corporation, Falconer, N. Y.
Filed Feb. 23, 1950, Serial No. 592,889. Published July 31, 1951. Class 32.

550,177. Gum Tape Printing Machines. Travers & Company, Inc., Boston, Mass.
Filed Feb. 25, 1950, Serial No. 593,092. Published May 29, 1951. Class 23.

550,178. Ophthalmic Lenses. Willson Products, Inc., Reading, Pa.
Filed Mar. 2, 1950, Serial No. 593,310. Published June 26, 1951. Class 26.

550,179. Textile Fabrics in the Piece Composed of Wool and Cotton. Barlow & Jones Limited, Manchester, England.
Filed Mar. 6, 1950, Serial No. 593,464. Published July 24, 1951. Class 42.

550,180. Periodical Issued From Time to Time Throughout the Year. United Feature Syndicate, Inc., New York, N. Y.
Filed Mar. 28, 1950, Serial No. 594,819. Published Aug. 7, 1951. Class 38.

550,181. Woolen and Worsted Piece Goods. Anglo Fabrics Company, Inc., New York, N. Y.
Filed Apr. 1, 1950, Serial No. 595,046. Published Aug. 7, 1951. Class 42.

550,182. Thermometers. Accuracy Scientific Instrument Company, Inc., Philadelphia, Pa.
Filed Apr. 5, 1950, Serial No. 595,237. Published Aug. 7, 1951. Class 26.

550,183. Oscillographs for Showing Pressure Changes in Hydraulic Systems. Bendix Aviation Corporation, North Hollywood, Calif.
Filed Apr. 10, 1950, Serial No. 595,489. Published Aug. 7, 1951. Class 26.

550,184. Wardrobes, Folding Partitions, and Parts for Wardrobes and Folding Partitions. John T. Fairhurst Co. Inc., New York, N. Y.
Filed Apr. 12, 1950, Serial No. 595,597. Published July 31, 1951. Class 32.

550,185. Textile Fabrics in the Piece Made of Synthetic Fibers. Burlington Mills Corporation, Greensboro, N. C.
Filed Apr. 13, 1950, Serial No. 595,653. Published Aug. 7, 1951. Class 42.

550,186. Drapes, Curtains, and Bedspreads Made of Plastic Materials and of Fabrics. International Flouncing Co., Inc., New York, N. Y.
Filed Apr. 21, 1950, Serial No. 596,096. Published Aug. 7, 1951. Class 42.

550,187. Publication Published Four Times a Year—Namely, in September, December, February, and April. The Chi Phi Fraternity, Atlanta, Ga.
Filed Mar. 25, 1950, Serial No. 596,263. Published July 31, 1951. Class 38.

550,188. Cane and Wicker-Work Furniture—Namely, Chairs, Lounges, Settees, Tables, Tea Wagons, and Stools. Dryad Limited, Leicestershire and Leicester, Leicestershire, England.
Filed May 6, 1950, Serial No. 596,988. Published July 17, 1951. Class 32.

550,189. Skirts, Blouses, Dresses for Women and Children and Ladies' Coats, Suits, and Slacks. Hamlin Blouses, Inc., New York, N. Y.
Filed May 6, 1950, Serial No. 596,994. Published Aug. 14, 1951. Class 39.

550,190. Woolen Goods in the Piece. Worumbo Manufacturing Company, Lisbon Falls, Maine.
Filed May 9, 1950, Serial No. 597,187. Published July 24, 1951. Class 42.

550,191. Maternity Slips and Gowns. Hermine Rees, Arlington, Mass.
Filed May 10, 1950, Serial No. 597,230. Published Aug. 14, 1951. Class 39.

550,192. Photographic Flash Lamps. Dura Electric Lamp Co., Inc., Newark, N. J.
Filed May 26, 1950, Serial No. 598,171. Published July 24, 1951. Class 26.

550,193. Automotive Publications Published From Time to Time. For-Dom Inc., New York, N. Y.
Filed May 29, 1950, Serial No. 598,297. Published July 31, 1951. Class 38.

550,194. Motion Picture Film. Technicolor Motion Picture Corporation, Hollywood, Calif.
Filed June 5, 1950, Serial No. 598,616. Published July 31, 1951. Class 26.

550,195. Custom Styled Combination Storage and Display Cabinets. Ben J. Kerman, St. Louis, Mo.
Filed June 16, 1950, Serial No. 599,247. Published July 31, 1951. Class 32.

550,196. Fishing Bait and Tackle Boxes. Herbert Rucker, doing business as Rucker Mfg. Co., St. Albans and Jamaica, N. Y.
Filed June 21, 1950, Serial No. 599,530. Published Aug. 14, 1951. Class 22.

550,197. Men's Garters. S. H. Kress and Company, New York, N. Y.
Filed May 31, 1950, Serial No. 599,729. Published Aug. 7, 1951. Class 39.

550,198. Interior Telephone Apparatus and Parts Used in Connection Therewith — Namely, Telephones, Switchboards, Power Supply Units, Switching and Signalling Equipment and Component Parts, Speakers and Amplifiers and Component Parts, Etc. Kellogg Switchboard and Supply Company, Chicago, Ill.
Filed June 27, 1950, Serial No. 599,830. Published Aug. 7, 1951. Class 21.

550,199. Oil Well Survey Instruments Which Will Record the Angle at Which a Bore Is Being Drilled to the Vertical. Eastman International Company, Denver, Colo.
Filed July 1, 1950, Serial No. 600,126. Published Aug. 7, 1951. Class 26.

550,200. Women's Boots and Shoes. A. & W. Flatau & Co., Ltd., London, England.
Filed July 19, 1950, Serial No. 600,883. Published Aug. 14, 1951. Class 39.

550,201. Posting Trays for Bookkeeping Machines. Raymond A. Phaneuf, Waterbury, Conn.
Filed July 22, 1950, Serial No. 601,116. Published July 31, 1951. Class 32.

550,202. Adding and Accounting Machines. Underwood Corporation, New York, N. Y.
Filed July 26, 1950, Serial No. 601,291. Published July 24, 1951. Class 26.

550,203. Electrical Sadirons. The Winsted Hardware Manufacturing Company, Winsted, Conn.
Filed July 29, 1950, Serial No. 601,485. Published Aug. 7, 1951. Class 21.

550,204. Women's and Children's Footwear—Namely, Shoes, Loafers, and Moccasins Made of Leather. Eastland Shoes, Inc., Freeport, Maine.
Filed Aug. 3, 1950, Serial No. 601,664. Published July 31, 1951. Class 39.

550,205. Unitary Portable Hand-Operated Electric Drills, Saws, Screw Drivers, Grinders, Sanders, Shears, Routers, Shapers, Shaper Cutters, Router-Shapers, Weatherstrip Groovers, Beading and Fluting Attachments, Motors, Hammers, and Planes. The Stanley Works, New Britain, Conn.
Filed Aug. 18, 1950, Serial No. 602,427. Published Aug. 14, 1951. Class 21.

550,206. Pile Fabrics Comprising Cotton, Silk, Wool, Mohair, Synthetic Threads and/or Blends of the Same in the Piece and Cut Lengths. Collins & Aikman Corporation, Philadelphia, Pa.
Filed Aug. 19, 1950, Serial No. 602,438. Published July 10, 1951. Class 42.

550,207. Pot Holders. Seymour Gilman, Memphis, Tenn.
Filed Aug. 19, 1950, Serial No. 602,448. Published July 24, 1951. Class 42.

550,208. Linen Rugs. The Klearflax Linen Looms, Inc., Duluth, Minn.
Filed Aug. 21, 1950, Serial No. 602,509. Published July 24, 1951. Class 42.

550,209. Sleeping Bags for Sleeping Outdoors With No Other Protection or for Sleeping Purposes Within a Tent. Spiegel, Inc., Chicago, Ill.
Filed Aug. 24, 1950, Serial No. 602,723. Published Aug. 14, 1951. Class 22.

550,210. Men's, Women's, and Children's Shoes. Little Shoe Store, Pittsburgh, Pa.
Filed Aug. 29, 1950, Serial No. 602,902. Published July 31, 1951. Class 39.

550,211. Photo-Flash Lamps. Sylvania Electric Products Inc., New York, N. Y.
Filed Sept. 1, 1950, Serial No. 603,088. Published Aug. 7, 1951. Class 26.

550,212. Ladies' Handbags. Ingber, Inc., Philadelphia, Pa.
Filed Sept. 7, 1950, Serial No. 603,242. Published Aug. 7, 1951. Class 3.

550,213. Clothing—Namely, Tailor Made Suits, Dresses, Petticoats, Bodices, Blouses, Bathing Suits, Skirts, Slacks, Shorts, Halters, Sweaters, Jackets, Hats, Scarves, and Gloves Made of Leather and Fabric for Women and Misses. Societe a Responsabilite Limitee Jean Desses, Paris, France.
Filed Oct. 9, 1950, Serial No. 604,665. Published Aug. 7, 1951. Class 39.

550,214. Women's and Misses' Wearing Apparel—Namely, Dresses, Etc. The Tailored Woman, Inc., New York, N. Y.
Filed Sept. 12, 1950, Serial No. 604,884. Published Aug. 14, 1951. Class 39.

550,215. Cordage and Twines for Use in the Fishing Industry and for Commercial or Industrial Purposes. Drummondville Cotton Company, Limited, Montreal, Quebec, Canada.
Filed Oct. 16, 1950, Serial No. 604,957. Published Aug. 14, 1951. Class 7.

550,216. Men's and Boys' Dress, Sport, and Work Clothing, and Parts Thereof—Namely, Outer Dress Shirts, Outer Sport Shirts, Outer Work Shirts, Jackets and Coats, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,989. Published Aug. 7, 1951. Class 39.

550,217. Men's and Boys' Dress, Sport, and Work Clothing, and Parts Thereof—Namely, Outer Dress Shirts, Outer Sport Shirts, Outer Work Shirts, Jackets and Coats, Collars, Pajamas, and Neckties. Phillips-Jones Corporation, New York, N. Y.
Filed Oct. 16, 1950, Serial No. 604,990. Published Aug. 7, 1951. Class 39.

550,218. Mattresses, Bed-Springs, Studio Couches, Divans, and Folding Beds. William Intner Company, Inc., New York, N. Y.
Filed Oct. 17, 1950, Serial No. 605,036. Published July 24, 1951. Class 32.

550,219. X-Ray Timers Incorporating an Electrical Switching Element. The Liebel-Flarsheim Company, Cincinnati, Ohio.
Filed Oct. 18, 1950, Serial No. 605,100. Published July 17, 1951. Class 26.

550,220. Women's Hosiery. Alex Hosiery Mills, Inc., Hurffville, N. J.
Filed Oct. 19, 1950, Serial No. 605,132. Published July 31, 1951. Class 39.

550,221. Couches, Divans, and Mattresses. Cali-Quilt Furniture Mfg. Co., Lynwood, Calif.
Filed Oct. 23, 1950, Serial No. 605,295. Published July 24, 1951. Class 32.

550,222. Children's Suspender Pants or Crawlers. The Juvenile Mfg. Co., Inc., San Antonio, Tex.
Filed Oct. 23, 1950, Serial No. 605,309. Published Aug. 7, 1951. Class 39.

550,223. Flexible Steel-Cored Magnesium Ribbon Anode for Use in Cathodic Protection of Ferrous Metal Structure. Dowell Incorporated, Tulsa, Okla.
Filed Oct. 25, 1950, Serial No. 605,412. Published Aug. 14, 1951. Class 21.

550,224. Ladies' Dresses. Arthur Maniloff, trading as Custom Lady Dresses, New York, N. Y.
Filed Oct. 25, 1950, Serial No. 605,432. Published Aug. 14, 1951. Class 39.

550,225. Ladies' and Misses' Sweaters and Sweater Ensembles. Premier Knitting Co. Inc., New York, N. Y.
Filed Oct. 25, 1950, Serial No. 605,437. Published July 31, 1951. Class 39.

550,226. Plant Stands. Bandwagon Manufacturing, Inc., Boston, Mass.
Filed Oct. 26, 1950, Serial No. 605,507. Published July 24, 1951. Class 32.

550,227. Furniture—Namely, Clothes Racks and Display Racks. Berkeley Industries, Jersey City, N. J.
Filed Oct. 30, 1950, Serial No. 605,576. Published July 24, 1951. Class 32.

550,228. Ladies' and Misses' Slips and Nightgowns. Rhythm Lingerie, Inc., New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,611. Published Aug. 14, 1951. Class 39.

550,229. Ladies' and Misses' Slips, Petticoats, and Nightgowns. Rhythm Lingerie, Inc., New York, N. Y.
Filed Oct. 30, 1950, Serial No. 605,612. Published Aug. 14, 1951. Class 39.

550,230. Women's Hosiery. Airmaid Hosiery Mills, Dallas, Tex.
Filed Oct. 31, 1950, Serial No. 605,624. Published July 31, 1951. Class 39.

550,231. Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Women and Misses. Comfort Slipper Corporation, Fitchburg, Mass.
Filed Nov. 4, 1950, Serial No. 605,894. Published July 24, 1951. Class 39.

550,232. Ladies' and Misses' Hair Nets, and Knitted Outerwear—Namely, Sweaters, Blouses, Outer Sport Shirts, Polo Shirts, and Cardigan Jackets. Saul Rogers, Brooklyn, N. Y.
Filed Nov. 4, 1950, Serial No. 605,917. Published Aug. 14, 1951. Class 39.

550,233. Wash Dresses for Misses and Women. Kenrose Manufacturing Co., Inc., New York, N. Y.
Filed Nov. 8, 1950, Serial No. 606,078. Published Aug. 14, 1951. Class 39.

550,234. Wash Cloths and Towels. William Boyd, Beverly Hills, Calif.
Filed Nov. 9, 1950, Serial No. 606,133. Published July 24, 1951. Class 42.

550,235. Rayon and Metallic Yarns. Heirloom Needlework Guild, Inc., New York, N. Y.
Filed Nov. 13, 1950, Serial No. 606,294. Published Aug. 14, 1951. Class 43.

550,236. Still Picture Projector. Society for Visual Education, Inc., Chicago, Ill.
Filed Nov. 17, 1950, Serial No. 606,573. Published July 31, 1951. Class 26.

550,237. Monthly Publication. American Stores Company, Philadelphia, Pa.
Filed Nov. 24, 1950, Serial No. 606,840. Published Aug. 7, 1951. Class 38.

550,238. Monthly Publication. Meredith Publishing Company, Des Moines, Iowa.
Filed Nov. 27, 1950, Serial No. 606,979. Published Aug. 7, 1951. Class 38.

550,239. Comic Drawings. United Feature Syndicate, Inc., New York, N. Y.
Filed Nov. 27, 1950, Serial No. 606,990. Published Aug. 7, 1951. Class 38.

550,240. Periodic Magazines. Suncol Publications, Inc., Fort Lauderdale, Fla.
Filed Nov. 28, 1950, Serial No. 607,053. Published Aug. 7, 1951. Class 38.

550,241. Magazine Published Monthly, Circulating Among the Trade Interested in Infants', Children's and Girls' Wear, Containing Articles, Editorial Matter, and Advertisements of Interest to Such Trade. Earnshaw Publications, Inc., Newton, Mass.
Filed Nov. 29, 1950, Serial No. 607,073. Published Aug. 7, 1951. Class 38.

550,242. Electrical Connectors. Burndy Engineering Company, Inc., New York, N. Y.
Filed Dec. 1, 1950, Serial No. 607,136. Published Aug. 14, 1951. Class 21.

550,243. Electrical Connectors. Burndy Engineering Company, Inc., New York, N. Y.
Filed Dec. 1, 1950, Serial No. 607,139. Published Aug. 14, 1951. Class 21.

550,244. Storage Batteries. Spiegel, Inc., Chicago, Ill.
Filed Dec. 2, 1950, Serial No. 607,239. Published Aug. 14, 1951. Class 21.

550,245. Decorative Ribbon, Made of Plastic Fibers, for Wrapping, Tying, Trimming, and/or Ornamenting Packages and Displays. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Dec. 14, 1950, Serial No. 607,677. Published Aug. 7, 1951. Class 7.

550,246. Decorative Ribbon, Made of Plastic Fibers, for Wrapping, Tying, Trimming, and/or Ornamenting Packages and Displays. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed Dec. 14, 1950, Serial No. 607,678. Published Aug. 7, 1951. Class 7.

550,247. Metallic Frame for Spectacles. Societe a Responsabilite Limitee: Societe Industrielle de Lunetterie, Vincennes, Seine, France.
Filed Dec. 16, 1950, Serial No. 607,770. Published July 31, 1951. Class 26.

550,248. Metallic Frame for Spectacles. Societe a Responsabilite Limitee: Societe Industrielle de Lunetterie, Vincennes, Seine, France.
Filed Dec. 16, 1950, Serial No. 607,771. Published July 31, 1951. Class 26.

550,249. Cotton Piece Goods. Arthur Beir & Co. Inc., New York, N. Y.
Filed Dec. 19, 1950, Serial No. 607,840. Published July 24, 1951. Class 42.

550,250. Television Receiving Sets. Trav-Ler Radio Corporation, Chicago, Ill.
Filed Dec. 21, 1950, Serial No. 607,972. Published Aug. 14, 1951. Class 21.

550,251. Publication Issued Periodically and Devoted to Federal and State Administrative Law. Commerce Clearing House, Inc., Chicago, Ill.
Filed Nov. 22, 1950, Serial No. 608,394. Published Aug. 7, 1951. Class 38.

550,252. Publication Issued Periodically and Devoted to Federal and State Administrative Law. Commerce Clearing House, Inc., Chicago, Ill.
Filed Nov. 22, 1950, Serial No. 608,395. Published Aug. 7, 1951. Class 38.

550,253. Plastic Figurines in the Shape of Various Human Characters To Be Used for Toy and Amusement Purposes, and Toy Animals. Bergen Toy & Novelty Co., Inc., Hackettstown, N. J.
Filed Jan. 5, 1951, Serial No. 608,405. Published Aug. 14, 1951. Class 22.

550,254. Cotton Piece Goods. Arthur Beir & Co., Inc., New York, N. Y.
Filed Jan. 10, 1951, Serial No. 608,589. Published July 24, 1951. Class 42.

550,255. Electric Cooking Ranges, and Heat Distribution Blowers (Electrically Operated) for Space Heaters. Prentiss Wabers Products Co., Wisconsin Rapids, Wis.
Filed Jan. 20, 1951, Serial No. 609,050. Published Aug. 14, 1951. Class 21.

550,256. Toy Building Blocks. Alvin A. Sorenson, doing business under the name and style of A. A. Sorenson Company, Albert Lea, Minn.
Filed Feb. 7, 1951, Serial No. 609,742. Published Aug. 14, 1951. Class 22.

550,257. Permanent Magnet Dynamic Transducers and Electrically Operated Dictating Machines for Office and General Purpose Use. Permoflux Corporation, Chicago, Ill.
Filed Feb. 20, 1951, Serial No. 610,335. Published Aug. 7, 1951. Class 21.

550,258. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,823. Published Aug. 14, 1951. Class 22.

550,259. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,824. Published Aug. 14, 1951. Class 22.

550,260. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,825. Published Aug. 14, 1951. Class 22.

550,261. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,827. Published Aug. 14, 1951. Class 22.

550,262. Bowling Pins. The Brunswick-Balke-Collender Company, Chicago, Ill.
Filed Mar. 5, 1951, Serial No. 610,828. Published Aug. 14, 1951. Class 22.

550,263. Electric Motors. Howell Electric Motors Company, Howell, Mich.
Filed Mar. 5, 1951, Serial No. 610,844. Published Aug. 14, 1951. Class 21.

550,264. Plastic Toy Refreshment Sets, Comprising Serving Trays, Cocktail Glasses, Wine Glasses, Cups, Pitchers, Plates, Saucers, Knives, Forks, and Spoons. Plastic Art Toy Corporation of America, Carlstadt, N. J.
Filed Mar. 6, 1951, Serial No. 610,923. Published Aug. 14, 1951. Class 22.

550,265. Door Locks and Cylinder Latches. Sargent & Company, New Haven, Conn.
Filed Mar. 7, 1951, Serial No. 610,992. Published Aug. 14, 1951. Class 25.

550,266. Electric Water Heaters and Electric Fans. American Gas Machine Company, Albert Lea, Minn.
Filed Mar. 10, 1951, Serial No. 611,123. Published Aug. 14, 1951. Class 21.

550,267. Ironing Board Pads and Ironing Board Pad Covers. Pressing Supply Company, Philadelphia, Pa.
Filed Mar. 14, 1951, Serial No. 611,307. Published Aug. 14, 1951. Class 24.

550,268. Toy Rocking Horses. Darwin C. Stanley, doing business as Stanley Bros. Toys, Paramount, Calif.
Filed Mar. 23, 1951, Serial No. 611,727. Published Aug. 14, 1951. Class 22.

550,269. Sporting Goods and Equipment—Namely, Golf Balls. Marine Craft of America, Chicago, Ill.
Filed Mar. 26, 1951, Serial No. 611,797. Published Aug. 14, 1951. Class 22.

Service Marks

550,270. Services Rendered to Its Members—Namely, Dissemination of News, Information and Advice Relating to the Toilet Goods Industry. The Toilet Goods Association, Inc., New York, N. Y.
Filed July 1, 1948, Serial No. 560,583. Published Aug. 14, 1951. Class 100.

550,271. Collection of Financial Obligations. Finance System, Incorporated, Akron, Ohio.
Filed May 19, 1949, Serial No. 579,086. Published Aug. 14, 1951. Class 101.

550,272. Negotiating the Sale of Automotive Vehicles Owned by Others. Karl C. Singhrs, doing business as The Mad Turk, Kennewick, Wash.
Filed Dec. 9, 1949, Serial No. 589,119. Published Aug. 14, 1951. Class 101.

550,273. Complete Periodical and Emergency Repairing, Cleaning and Conditioning Service for Domestic Heating Plants. National Coal Association, Washington, D. C.
Filed Feb. 21, 1950, Serial No. 592,826. Published Aug. 14, 1951. Class 103.

550,274. Exploring and Discovering, Gathering, Compiling and Disseminating Information About Parts of the Earth and Its Life, Etc. Sierra Club, San Francisco, Calif.
Filed June 5, 1950, Serial No. 598,609. Published Aug. 14, 1951. Class 100.

Certification Marks

550,275. Fresh Citrus and Deciduous Fruits and Vegetables. Sidney C. Rieke, San Juan, Tex.
Filed Sept. 22, 1947, Serial No. 535,260. Published Aug. 7, 1951. Class 46.

550,276. Women's Hosiery. Independent Association of Stocking Manufacturers, Philadelphia, Pa.
Filed June 20, 1949, Serial No. 580,787. Published July 24, 1951. Class 39.

Collective Marks

550,277. Welfare, Recreation, and Health Services. Community Chests and Councils of America, Incorporated, New York, N. Y.
Filed July 19, 1950, Serial No. 600,877. Published Aug. 7, 1951. Class 100.

550,278. Welfare, Recreation, and Health Services. Community Chests and Councils of America, Incorporated, New York, N. Y.
Filed July 19, 1950, Serial No. 600,878. Published Aug. 7, 1951. Class 100.

550,279. Welfare, Recreation, and Health Services. Community Chests and Councils of America, Incorporated, New York, N. Y.
Filed July 19, 1950, Serial No. 600,879. Published Aug. 7, 1951. Class 100.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

550,280. (Class 46. Foods and Ingredients of Foods.) Paul J. Gundlach, doing business as Fremont Products Company, Cleveland, Ohio. Original filed, act of 1946, Principal Register, Apr. 24, 1947; amended to application, Supplemental Register, July 23, 1948, Serial No. 521,255.

Tropic Garden

For Fenugreek Seeds for Making Herb Tea Used for Food Purposes.
Claims use since January 1945.

550,281. (Class 39. Clothing.) Adler & Adler, Inc., New York, N. Y. Original field, act of 1905, May 16, 1947; amended to application, under act of 1946, Principal Register, Nov. 17, 1947; amended to Supplemental Register Jan. 17, 1951, Serial No. 522,517.

ADLER&ADLER
OXFORD CREPE

For Cut-Out Parts of Garments Ready To Sew Into Women's and Misses' Dresses and Playsuits.
Claims use since January 1935.

550,282. (Class 39. Clothing.) Dumont Handkerchiefs, Inc., New York, N. Y. Original filed, act of 1905, July 2, 1947; amended to application under act of 1946, Supplemental Register, Jan. 11, 1951, Serial No. 525,571.

Dumont

For Handkerchiefs.
Claims use since Jan. 2, 1947.

550,283. (Class 46. Foods and Ingredients of Foods.) A and M Foods, Inc., Miami, Fla. Original filed, act of 1946, Principal Register, Sept. 9, 1947; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 533,827.

SEE ALL

For Packaged Goods in Transparent Bags—Namely, Dried Beans, Dried Peas, Ground Corn Meal and Hominy Grits, Dried Fruits, Shelled Nuts, Salted and Unsalted, and Rice.
Claims use since June 15, 1947.

550,284. (Class 37. Paper and Stationery.) Horder's, Incorporated, Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 2, 1947; amended to application, Supplemental Register, Jan. 21, 1950, Serial No. 536,528.

'Order from Horder'

Applicant claims ownership of Registration No. 144,797.
For Forms for Bookkeeping Systems, Ledgers, Journals, Record Books, Columnar Outfit Books, Accounting Forms, Binders, Leaves, Posts and Indexes for Record Books, Merchandise Order Books, Memorandum Books, Lead Pencils, Order Blanks, Expense Books, Forms for Pay Roll Records, Time Books, Time Sheets, Material Tickets, Forms for Employee's Records, Export Declaration Blanks, Manifests, Receiving Slips, Receipt Books, Bills of Lading, Forms for Delivery Receipts, Storage Binders, Spring Binders, Ring Binders, Post Binders for Record Books, Price Books, Book Rings, Leaf Fasteners, Screw Posts for Books or Ledgers, Corporation Records, Minute Books, Stock Certificates, Stock Ledgers, Stock Registers, Note Books, Blank Books, Expanding Paper Files, Correspondence Envelopes, Adding Machine Rolls, Cash Books, Figuring Books, Composition Books, Invoice Books, Scrap Books, Sales Books, Address Books, Counter Books in the Nature of Sales Books, Forms for Investment Records, Hotel Registers, Trial Balance Books, Manifold Letter Books, Partially Blank Engineers' Field Books, Partially Blank Attorneys' Dockets, Bill Heads and Statements, Partially Blank Cash Checks, Partially Blank Duplicate Cash Checks, Telephone Pads, File Guides, Tally and Order Books, Blank Pass Books, Index Tabs, Partially Blank Notes, Partially Blank Drafts, Partially Blank Receipts, Diaries, Ruled Paper, Scratch Pads, Card Index Signals, File Folders, Guide Cards, File Pockets, Index Cards, Record Cards, Signature Cards, Ledger Cards, Journal Cards, Customer's Cards, Partially Blank Collection Record Cards, Time Cards, Wedding Stationery, Board Clips, Ledger Account Files, Arch Files, Desk Portfolios Made Partly of Paper, Pencils, Crayons, Chalks, Leads, Erasers, Partially Printed Shipping Tags, Paper Clips and Fasteners, Paper and Fabric Washers for Reinforcing Holes in Paper Sheets, Erasing Shields, Typewriter Papers, Manifold Papers, Mimeograph Papers, Partially Blank Cost Summary Cards, Partially Printed (or Engraved) Commercial and Social Announcements, Manuscript Covers, Stamp Racks, Stamp Caster Racks, Tag Envelopes, Tag Fasteners, Rim Tags, Merchandise Tags, Hook Tags, Pin Tickets, Blank Gummed Labels, Card Pins, Partially Printed Duplicate Checks, Partially Printed (or Engraved) Visiting Cards, Partially Printed Address Labels, Moisteners, Toilet Papers, Coin Wrappers, Coin Mats, Fountain Pens, Finger Pads, Telephone Holders for Paper Pads, Telephone Number Selectors, Stencil Papers, Inkstands, Partially Printed (or Engraved) Business Cards, Paper Weights, Blackboard Erasers, Writing Slate Board,

Adding Machine Papers, Rubber Bands, Ink Pencils, Stylographic Pens, Steel Pens, Pen Holders, Pen Racks, Pen Wipers, and Pen Trays.
Claims use since Sept. 26, 1921.

550,285. (Class 46. Foods and Ingredients of Foods.) Balbo Oil Corp., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, Jan. 20, 1948; amended to application, Supplemental Register, Oct. 7, 1949, Serial No. 547,507.



For Peanut Oil.
Claims use since Dec. 1, 1941.

550,286. (Class 52. Detergents and Soaps.) The Procter & Gamble Company, Cincinnati, Ohio. Original filed, act of 1946, Principal Register, Apr. 7, 1948; amended to application, Supplemental Register, Jan. 9, 1951, Serial No. 554,041.



The drawing is lined for orange and red. Applicant claims ownership of Registration No. 424,339.
For Sudsing Soap-Like Detergent in Solid (Non-Liquid) Form for Household and Laundry Purposes.
Claims use since October 1946.

550,287. (Class 46. Foods and Ingredients of Foods.) M. H. Greenebaum, Inc., New York, N. Y. Original filed act of 1946, Principal Register, June 4, 1948; amended to application, Supplemental Register, Dec. 9, 1950, Serial No. 558,486.

SMOKE HOUSE

The drawing is lined for shading.
For Meat Products—Namely, Hams and Bacon.
Claims use since Oct. 1, 1947.

550,288. (Class 39. Clothing.) Fitts Cotton Goods Company, Atlanta, Ga. Original filed, act of 1946, Principal Register, Feb. 6, 1948; amended to application, Supplemental Register, June 1, 1951, Serial No. 559,378.

Safety

Applicant claims ownership of Registration No. 390,541.
For Textile Diapers.
Claims use since May 10, 1938.

550,289. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Dohrmann Hotel Supply Co., San Francisco, Calif. Original filed, act of 1946, Principal Register, July 22, 1948; amended to application, Supplemental Register, July 24, 1951, Serial No. 561,907.

Xtractaire

For Ventilators for Cooking Equipment.
Claims use since May 7, 1948.

550,290. (Class 15. Oils and Greases.) William R. Elliott, doing business as The Elliott Chemical Company, Struthers, Ohio. Original filed, act of 1946, Principal Register, Aug. 26, 1948; amended to application, Supplemental Register, June 5, 1950, Serial No. 564,196.

Super Flux
FUEL OIL INTENSIFIER

The words "Fuel Oil Intensifier" are disclaimed.
For Precipitant and Separating Agent Used as a Fuel Oil Additive.
Claims use since Oct. 15, 1945.

550,291. (Class 51. Cosmetics and Toilet Preparations.) Bourjois, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, Oct. 29, 1948; amended to application, Supplemental Register, Mar. 3, 1950, Serial No. 567,848.



The drawing is lined for red and gold. The word "Rouge" is disclaimed. Applicant claims ownership of Registrations Nos. 126,133, 274,389, and 120,330.
For Rouge.
Claims use since 1912.

550,292. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Rainbow Manufacturing & Sales Company, formerly Rainbow Sales Company, Chattanooga, Tenn. Original filed, act of 1946, Principal Register, Nov. 30, 1948; amended to application, Supplemental Register, Apr. 9, 1951, Serial No. 569,639.

"VOLUME GUN"

For Irrigation Nozzle, and a Tripod Therefor Comprising an Upright Central Member in Which the Nozzle Is Mounted for Rotation, Legs Demountably Connected to the Central Member, Means for Fixing the Legs Adjustably in Inclined Relation to the Central Member for Leveling the Nozzle on an Uneven Surface for Operation at a Predetermined Angle of Inclination, and Feet Rotatable on the Legs for Elevating the Central Member and Nozzle.
Claims use since Apr. 1, 1948.

550,293. (Class 12. Construction Materials.) Otto Wahlfeld, Peoria, Ill. Original filed, act of 1946, Principal Register, Jan. 6, 1949; amended to application, Supplemental Register, May 4, 1950, Serial No. 571,771.

"WAHLAP"

For Exterior Siding for Dwellings.
Claims use since Dec. 4, 1948.

550,294. (Class 2. Receptacles.) Fibreboard Products Inc., San Francisco, Calif. Original filed, act of 1946, Principal Register, Jan. 25, 1949; amended to application, Supplemental Register, Aug. 25, 1951, Serial No. 572,733.

RUGGUD

For Paperboard Shipping Boxes.
Claims use since May 12, 1948.

550,295. (Class 12. Construction Materials.) Superior Wall Products Co., Philadelphia, Pa. Original filed, act of 1946, Principal Register, Feb. 4, 1949; amended to application, Supplemental Register, Sept. 8, 1950, Serial No. 573,395.

Superlite

Applicant claims ownership of Registration No. 432,160.
For Pressed Wood Fiber Wall Boards.
Claims use since Mar. 15, 1946.

550,296. (Class 18. Medicines and Pharmaceutical Preparations.) Stamates Demetrakes, doing business as S. Demetrakes, Mansfield, Ohio. Original filed, act of 1946, Principal Register, Feb. 16, 1949; amended to application, Supplemental Register, May 9, 1950, Serial No. 573,929.

S. ESEDOROS SALVE

For Salve for the Treatment of Eczema, Piles, Cuts, Bruises, and Infection.
Claims use since Feb. 15, 1933.

550,297. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Slip-Not Belting Corporation, Kingsport, Tenn. Original filed, act of 1946, Principal Register, Apr. 27, 1949; amended to application, Supplemental Register, May 25, 1951, Serial No. 577,820.

KOOLCHECK

For Loom Check Straps.
Claims use since Mar. 21, 1949.

550,298. (Class 23. Cutlery, Machinery, and Tools, and Parts Thereof.) Slip-Not Belting Corporation, Kingsport, Tenn. Original filed, act of 1946, Principal Register, Apr. 30, 1949; amended to application, Supplemental Register, May 25, 1951, Serial No. 578,054.

KWIK-LOCK

For Loom Check Straps.
Claims use since Mar. 30, 1949.

550,299. (Class 46. Foods and Ingredients of Foods.) John Morrell & Co., Ottumwa, Iowa. Original filed, act of 1946, Principal Register, Sept. 21, 1949; amended to application, Supplemental Register, Jan. 11, 1951, Serial No. 585,136.



The drawing is lined for green but no claim is made to color. The mark comprises the over-all dress of applicant's wrapper and the drawing shows merely a portion of said wrapper. Applicant claims ownership of Registrations Nos. 74,906, 316,997, and others.
For Hams.
Claims use since June 16, 1949.

550,300. (Class 22. Games, Toys, and Sporting Goods.) Martin Staunt, doing business as M. Staunt Mfg. Co., Chicago, Ill. Original filed, act of 1946, Principal Register, Oct. 10, 1949; amended to application, Supplemental Register, Feb. 10, 1951, Serial No. 586,067.

PIK-UP

For Manually Operated Devices for Retrieving Golf Balls.
Claims use since Sept. 29, 1949.

550,301. (Class 46. Foods and Ingredients of Foods.) Ingard O. Maurstad, Fremont, Nebr. Original filed, act of 1946, Principal Register, Nov. 10, 1949; amended to application, Supplemental Register, Oct. 9, 1950, Serial No. 587,642.



For Frozen Confection—Namely, Ice Cream Having Approximately Six Per Cent (6%) of Cream Therein.
Claims use since February 1949.

550,302. (Class 18. Medicines and Pharmaceutical Preparations.) Glenna L. Gowdy, doing business as The Gowdy Co., Hallam, Nebr. Original filed, act of 1946, Principal Register, Dec. 9, 1949; amended to application, Supplemental Register, Jan. 19, 1951, Serial No. 589,085.

Gowdy

For Salve for Treatment of the Human Scalp.
Claims use since Aug. 7, 1946.

550,303. (Class 37. Paper and Stationery.) Olmsted-Kirk Company, Dallas, Tex. Original filed, act of 1946, Principal Register, Dec. 16, 1949; amended to application, Supplemental Register, Jan. 2, 1951, Serial No. 589,465.

FORT WORTH BOND

The word "Bond" is disclaimed.
For Bond Paper.
Claims use since Oct. 8, 1949.

550,304. (Class 50. Merchandise Not Otherwise Classified.) Flex-O-Glass, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Dec. 22, 1949; amended to application, Supplemental Register, Jan. 30, 1951, Serial No. 589,779.

SCRIM-GLASS

For Transparent and Translucent Cotton Mesh Reinforced Sheet Materials of Natural and Artificial Resins and Plastics Used as Substitutes for Glass Panes in Light Admitting Openings, and for Other Purposes.
Claims use since July 1949.

550,305. (Class 39. Clothing.) S. Klein on the Square, Inc. New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 4, 1950; amended to application, Supplemental Register, Jan. 26, 1951, Serial No. 590,316.

Quality House

For Women's Hosiery.
Claims use since Dec. 13, 1949.

550,306. (Class 39. Clothing.) Yolande Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Jan. 13, 1950; amended to application, Supplemental Register, Apr. 3, 1951, Serial No. 590,849.

SLEEPERLOUNGE

For Women's Pajamas and Robes.
Claims use since Jan. 5, 1950.

550,307. (Class 1. Raw or Partly Prepared Materials.) Vantress Hatchery and Breeding Farm, also doing business as Vantress Poultry Breeding Farm, Marysville, Calif. Original filed, act of 1946, Principal Register, Jan. 24, 1950; amended to application, Supplemental Register, Dec. 7, 1950, Serial No. 591,387.

"Vantress Cross"

For Live Chickens.
Claims use since Aug. 1, 1949.

550,308. (Class 38. Prints and Publications.) Commercial Trades Institute, Inc., Chicago, Ill. Original filed, act of 1946, Principal Register, Mar. 24, 1950; amended to application, Supplemental Register, July 26, 1951, Serial No. 594,520.

SKILLED TRADESMAN

For Periodically Published Newspaper.
Claims use since October 1946.

550,309. (Class 34. Heating, Lighting, and Ventilating Apparatus.) Anderson Stove Company, Inc., Anderson, Ind. Filed Apr. 2, 1951, Serial No. 594,614.
Applicant claims ownership of Registration No. 518,845.

Anderson

For Stoves, Specifically Gas Ranges.
Claims use since Feb. 27, 1950.

550,310. (Class 50. Merchandise Not Otherwise Classified.) Edward J. Franta, doing business as Edward Industries, Riverside, Ill. Original filed, act of 1946, Principal Register, Apr. 7, 1950; amended to application, Supplemental Register, July 19, 1951, Serial No. 595,374.



For Flexible Protective Covers and Carrying Slings for Television Chassis and the Like.
Claims use since Nov. 20, 1949.

550,311. (Class 52. Detergents and Soaps.) Ft. Worth Chemical Co, Inc., Fort Worth, Tex. Filed Apr. 22, 1950, Serial No. 596,160.

REMOVZALL

For Solvent Compound for Cleaning Bath Tubs, and for Cleaning and Flushing Toilet Bowls, Drains and the Like.
Claims use since Jan. 10, 1949.

550,312. (Class 2. Receptacles.) White-Stag Manufacturing Corporation, doing business as Hirsch-Weis Canvas Products Co., Portland, Oreg. Original filed, act of 1946, Principal Register, May 4, 1950; amended to application, Supplemental Register, July 10, 1951, Serial No. 596,890.



For Self-Cooling Water Bag Made of Linen.
Claims use since Jan. 13, 1950.

550,313. (Class 52. Detergents and Soaps.) G-B Corporation, Lynwood, Calif. Original filed, act of 1946, Principal Register, May 17, 1950; amended to application, Supplemental Register, June 28, 1951, Serial No. 597,605.

sta-clean

For Detergent Preparation for Use as a Hand Cleaner.
Claims use since Mar. 15, 1950.

550,314. (Class 39. Clothing.) Thunder Bay Originals, Inc., Alpena, Mich. Original filed, act of 1946, Principal Register, May 22, 1950; amended to application, Supplemental Register, July 24, 1951, Serial No. 597,923.



For Men's, Women's, and Children's Auto Jackets.
Claims use since May 1, 1946.

550,315. (Class 46. Foods and Ingredients of Foods.) Hawaiian Pineapple Company, Limited, doing business as Dole Sales Company, Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed May 31, 1950, Serial No. 598,364.

"CRISP CUT" it's better

For Canned Fruits.
Claims use since Mar. 1, 1949.

550,316. (Class 51. Cosmetics and Toilet Preparations.) Paul Spiegel, doing business as Fairley Cosmetics Co., New York, N. Y. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, May 22, 1951, Serial No. 598,505.

FAIRLEY

For Deodorant for Personal Use.
Claims use since May 11, 1950.

550,317. (Class 46. Foods and Ingredients of Foods.) Teddy's the House of Sea Food, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, Mar. 17, 1951, Serial No. 598,511.

"Top of the Catch"

For Frosted Seafood—Namely, Whiting Fillets (Skins on), Flounder Fillet (Skinless), Whiting (Headed and Dressed), Smelts (Medium, Headed and Dressed), Sea Scallops, Haddock Fillets, Halibut Fillets, Salmon Fillets, Cod Fillets (Skinless), Pollock Fillets, Boston Bluefish, Perch Fillets, Grey Sole Fillets (Skinless), and Smoked Cod Fillets.
Claims use since May 15, 1946.

550,318. (Class 46. Foods and Ingredients of Foods.) Teddy's the House of Sea Food, Inc., New York, N. Y. Original filed, act of 1946, Principal Register, June 2, 1950; amended to application, Supplemental Register, Mar. 17, 1951, Serial No. 598,512.

Top of the Trip

For Frosted Seafood—Namely, Whiting Fillets (Skins on), Flounder Fillet (Skinless), Whiting (Headed and Dressed), Smelts (Medium, Headed and Dressed), Sea Scallops, Haddock Fillets, Halibut Fillets, Salmon Fillets, Cod Fillets (Skinless), Pollock Fillets, Boston Bluefish, Perch Fillets, Grey Sole Fillets (Skinless), Smoked Cod Fillets, Minced Clams, Oysters, and Shrimp.
Claims use since May 15, 1946.

550,319. (Class 39. Clothing.) Green Bird Co., New York, N. Y. Original filed, act of 1946, Principal Register, June 6, 1950; amended to application, Supplemental Register, Jan. 29, 1951, Serial No. 598,651.

NINI ORIGINALS

For Women's Wear—Namely, Blouses.
Claims use since Jan. 15, 1950.

550,320. (Class 38. Prints and Publications.) Thomas J. Mahon, trading as Thomas J. Mahon Company, New York, N. Y. Original filed, act of 1946, Principal Register, June 10, 1950; amended to application, Supplemental Register, July 16, 1951, Serial No. 598,916.

INFANT CARE *Illustrated*

For Leaflets or Booklets Published in a Series.
Claims use since June 6, 1950.

550,321. (Class 15. Oils and Greases.) G-B Corporation, Lynwood, Calif. Original filed, act of 1946, Principal Register, June 15, 1950; amended to application, Supplemental Register, July 5, 1951, Serial No. 599,162.

sta-clean

For Motor Oil.
Claims use since Mar. 15, 1950.

550,322. (Class 12. Construction Materials.) Asbestospray Corp., Brooklyn, N. Y. Original filed, act of 1946, Principal Register, June 21, 1950; amended to application, Supplemental Register, Apr. 9, 1951, Serial No. 599,483.

Asbestospray Products

For Asbestos Fibre Products—Namely, Acoustic Fibre, a Homogeneous Mixture of Mineral Fibres for Spray-on Application; Thermal Fibre, a Homogeneous Mixture of Mineral Fibres for Spray-on Application, To Provide an Insulation Blanket; and a Binder, a Rubber Based Liquid Compound Used as a Size Coat Preparatory to the Application of Thermal or Acoustic Fibre.
Claims use since Dec. 29, 1949.

550,323. (Class 27. Horological Instruments.) Illinois Watch Case Co., operating under the name Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, June 26, 1951, Serial No. 599,875.

Gellman

For Watches.
Claims use since May 25, 1950.

550,324. (Class 39. Clothing.) Lumbard-Watson Co., Auburn, Maine. Original filed, act of 1946, Principal Register, June 28, 1950; amended to application, Supplemental Register, Aug. 6, 1951, Serial No. 599,882.

Cushionettes

For Women's Shoes of Leather, Fabric, Rubber, or Combinations Thereof.
Claims use since June 23, 1950.

550,325. (Class 46. Foods and Ingredients of Foods.) La Manna, Azema & Farnan, Inc., New York, N. Y. Filed July 10, 1950, Serial No. 600,438.

La Manna

For Olives Stuffed With Peppers.
Claims use since 1948.

550,326. (Class 39. Clothing.) Avon Sole Company, Avon, Mass. Original filed, act of 1946, Principal Register, July 13, 1950; amended to application, Supplemental Register, June 26, 1951, Serial No. 600,564.

CUSH·N·FOAM

For Shoe Soles.
Claims use since June 5, 1950.

550,327. (Class 39. Clothing.) Knobby Kiddie Knitwear, New York, N. Y. Original filed, act of 1946, Principal Register, July 14, 1950; amended to application, Supplemental Register, July 31, 1951, Serial No. 600,682.

TIE-TEE SHIRT

For Polo Shirts.
Claims use since June 1, 1950.

550,328. (Class 39. Clothing.) Bryan Full Fashioned Mills, Chattanooga, Tenn. Original filed, act of 1946, Principal Register, July 18, 1950; amended to application, Supplemental Register, July 25, 1951, Serial No. 600,811.

BEAUTIFUL BRYANS LEGLET

Applicant claims ownership of Registrations Nos. 424,256, 381,972, 405,990, 418,592, and 503,604.
For Ornamental Hosiery Supporters.
Claims use since July 10, 1950.

550,329. (Class 38. Prints and Publications.) Irving Berlin Music Corporation, New York, N. Y. Original filed, act of 1946, Principal Register, Sept. 12, 1950; amended to application, Supplemental Register, Aug. 4, 1951, Serial No. 603,432.

UKEDITION

For Printed Music.
Claims use since July 21, 1950.

550,330. (Class 39. Clothing.) Van Raalte Company, Inc., New York, N. Y. Filed Sept. 26, 1950, Serial No. 604,051.

DARK ACCENT

For Women's Hosiery.
Claims use since June 10, 1949.

550,331. (Class 46. Foods and Ingredients of Foods.) Mason, Au & Magenheimer Conf. Mfg. Co., Mineola, N. Y. Original filed, act of 1946, Principal Register, Oct. 7, 1950; amended to application, Supplemental Register, June 20, 1951, Serial No. 604,588.



The drawing is lined for silver and blue. Applicant claims ownership of Registrations Nos. 124,257, 128,451 and others.
For Candies.
Claims use since October 1949 as to the mark shown; since 1864 as to "Mason" and since July 27, 1917 as to "Peaks."

550,332. (Class 39. Clothing.) Meyer Miller, doing business under the name Miller Underwear Co., New York, N. Y. Original filed, act of 1946, Principal Register, Dec. 13, 1950; amended to application, Supplemental Register, Aug. 16, 1951, Serial No. 607,634.



The figure of the woman is fanciful.
For Ladies' Underwear—Namely, Slips, Petticoats, Step-Ins, Nightgowns, Bed Jackets, and Panties.
Claims use since July 26, 1950.

550,333. (Class 39. Clothing.) Ralph T. Irving, Brooklyn, N. Y. Filed Jan. 16, 1951, Serial No. 608,820.

Delano

For Men's Hats.
Claims use since July 1, 1948.

550,334. (Class 39. Clothing.) The Superb Glove Company, Johnstown, N. Y. Original filed, act of 1946, Principal Register, Feb. 7, 1951; amended to application, Supplemental Register, Aug. 15, 1951, Serial No. 609,746.

ULTRADOE-SHRINKPRUFE

For Ladies' and Men's Leather Gloves Made Wholly of Doeskin.
Claims use since Sept. 19, 1949.

550,335. (Class 46. Foods and Ingredients of Foods.) R. C. Williams & Company, Inc., New York, N. Y. Filed Feb. 12, 1951, Serial No. 609,993.

MATAWAN

For Canned Tomatoes.
Claims use since January 1920.

Service Marks

550,336. (Class 100. Miscellaneous.) John M. Weis, Atlanta, Ga. Original filed, act of 1946, Principal Register, Sept. 22, 1947; amended to application, Supplemental Register, Apr. 5, 1950, Serial No. 535,284.

Dinner Party by Proxy

For Making Arrangements for Parties as Gifts From Purchasers of the Service to Recipients in the Celebration of Anniversaries, Birthdays, Etc.—Namely, the Arrangement of All Details of Entertainment, Menus, Transportation, Delivery of Gifts, Flowers, Etc., at Hotels, Clubs, or Other Places of Entertainment at Any Point in the United States.
Claims use since Sept. 12, 1947.

550,337. (Class 102. Insurance and Financial.) Tullius L. Wingo, doing business as Wingo Insurance Service, El Paso, Tex. Original filed, act of 1946, Principal Register, May 26, 1950; amended to application, Supplemental Register, July 31, 1951, Serial No. 598,230.

PROTECTION

For General Insurance Brokerage and Analyzation of Insurance Policies as to the Coverage Afforded Thereby.
Claims use since June 15, 1949.

Certification Mark

550,338. (Class 13. Hardware and Plumbing and Steam-Fitting Supplies.) Insect Wire Screening Bureau, New York, N. Y. Original filed, act of 1946, Principal Register, Nov. 9, 1949; amended to application, Supplemental Register, Oct. 25, 1950, Serial No. 587,553.



For Insect Wire Screening.
Claims use since Oct. 19, 1949.

TRADE-MARK REGISTRATIONS RENEWED

36,642. "GOLD LEAF" ETC. AND DRAWING. Registered June 25, 1901. Cape County Milling Company, Jackson, Mo., a corporation of Missouri. Re-renewed June 25, 1951. Flour. Class 46.

82,816. BELLEANNA. Registered July 25, 1911. New England Fish Company, Portland, Maine, and Boston, Mass. Re-renewed July 25, 1951, to New England Fish Company, Seattle, Wash., a corporation of Maine. Frozen, Fresh, and Salt Fish. Class 46.

83,112. FEATHERBONE. Registered Aug. 15, 1911. The Warren Featherbone Co. Re-renewed Aug. 15, 1951, to The Warren Featherbone Company, Three Oaks, Mich., a corporation of Michigan. Stiffening Cords, Blades, and Tapes. Class 40.

83,149. "BURRO" ETC. AND DRAWING. Registered Aug. 22, 1911. H. Fendrich. Re-renewed Aug. 22, 1951, to H. Fendrich, Inc., Evansville, Ind., a corporation of Indiana. Cigars. Class 17.

83,943. IRONITE. Registered Oct. 24, 1911. John M. Rauhoff. Re-renewed Oct. 24, 1951, to Ironite Company, Chicago, Ill., a corporation of Illinois. Composition To Be Applied to Cement and Concrete Structures, Etc. Class 12.

84,441. "SEGO" AND DRAWING. Registered Dec. 12, 1911. Utah Condensed Milk Co., Richmond, Utah. Renewed Dec. 12, 1951, to Sego Milk Products Company, Salt Lake City, Utah, a corporation of Utah. Condensed Milk. Class 46.

84,673. "PMC" AND DRAWING. Registered Dec. 26, 1911. The Peerless Machinery Company, Boston, Mass., a corporation of Massachusetts. Re-renewed Dec. 26, 1951. Eyelet Setting Machines, Lacing Hook Setting Machines, Tip Perforating Machines, Etc. Class 23.

84,686. CHAMPION. Registered Dec. 26, 1911. William S. Scull Company, Camden, N. J., a corporation of New Jersey. Re-renewed Dec. 26, 1951. Coffee. Class 46.

270,416. "FACEL" AND DESIGN. Registered May 6, 1930. National Cellulose Corporation, New York, N. Y. Renewed May 6, 1950, to National Cellulose Corporation, Baldwinsville, N. Y., a corporation of New York. Paper Handkerchiefs. Class 37.

278,860. "MILANO" ETC. AND REPRESENTATION OF PERFUME BOTTLE AND CONTAINER. Registered Dec. 30, 1930. Gi. Vi. Emme. Societa Anonima Giuseppe Visconti Di Modrone & Co., Milan, Italy, a corporation organized under the laws of the Republic of Italy. Renewed Dec. 30, 1950. Perfume. Class 51.

281,535. HANDEE KLEEN. Registered Mar. 24, 1931. Joseph Handler, doing business as Handee Products Mfg. Co. Renewed Mar. 24, 1951, to Globe Solvents Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania. Dry Cleaners. Class 52.

282,368. TONKOLAH. Registered Apr. 21, 1931. Elwood J. Goodier, doing business as Universal Laboratories and Goodier Company, Dallas, Tex. Renewed Apr. 21, 1951. Laxatives. Class 18.

283,226. "AUSTELLE" WITH HEAVY UNDERLINE. Registered May 19, 1931. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed May 19, 1951, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Ladies', Misses', and Children's Ready-To-Wear Hats. Class 39.

284,061. CUSHION. Registered June 16, 1931. Geo. H. Storm & Co., Inc., assignor to Raymond W. Storm. Renewed June 16, 1951, to Storm Flooring Co., Incorporated, New York, N. Y., a corporation of New York. Wooden Flooring. Class 12.

284,752. "KIDDIE KAN" AND HEAVY UNDERLINES. Registered July 7, 1931. Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York. Renewed July 7, 1951. Covered Cans for Nursery, Bath, and Lavatory Use, Etc. Class 2.

284,915. "PARAMOUNT" ETC. AND DRAWING LINED FOR RED. Registered July 14, 1931. Raylite Trading Co., Inc., New York, N. Y. Renewed July 14, 1951, to Raylite Electric Corp., Bronx, N. Y., a corporation of New York. Electric-Light Bulbs, Incandescent Lamps, Fuses, Plugs, Adapters Acting as Socket Reducers, and Decorative Lighting Outfits. Class 21.

285,153. "TRU-MOC". Registered July 14, 1931. William Hahn & Company, Washington, D. C., a corporation of the District of Columbia. Renewed July 14, 1951. Leather Shoes. Class 39.

285,181. OBERMAIER. Registered July 14, 1931. Ernest A. Stienen, New York, N. Y. Renewed July 14, 1951 (Supplemental Register), to Ernest A. Stienen, Bronx, N. Y. Dyeing Machinery, Driers, and Extractors. Class 23.

285,428. "SKETCHIES". Registered July 28, 1931. The Munsingwear Corporation. Renewed July 28, 1951, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware. Women's and Misses' Underwear. Class 39.

285,470. DON AMAIZO. Registered July 28, 1931. American Maize-Products Company, New York, N. Y., a corporation of Maine. Renewed July 28, 1951. Corn Salad Oil. Class 46.

285,471. AMAIZO. Registered July 28, 1931. American Maize-Products Company, New York, N. Y., a corporation of Maine. Renewed July 28, 1951. Corn and Cane Syrups, Cane and Maple Syrups, Corn Syrups, Corn Oils, and Cornstarch. Class 46.

285,558. NEFCO. Registered July 28, 1931. New England Fish Company, Seattle, Wash., a corporation of Maine. Renewed July 28, 1951. Fish and Seafoods—Namely, Fresh, Chilled, Frozen, Canned, Smoked, and Salted Fish (Whole and in Steaks and Fillets); Etc. Class 46.

285,640. AMAIZO. Registered Aug. 4, 1931. American Maize-Products Company, New York, N. Y., a corporation of Maine. Renewed Aug. 4, 1951. Gloss Starch. Class 6.

285,699. CARBOSOTA. Registered Aug. 4, 1931. The Barrett Company. Renewed Aug. 4, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Creosote Oil for Use as a Wood Preservative and Disinfectant. Class 6.

285,738. STROMBERG-CARLSON. Registered Aug. 4, 1931. Stromberg-Carlson Telephone Manufacturing Company. Renewed Aug. 4, 1951, to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York. Radio Receiving Sets Mounted or Contained in Cabinets With Talking Machines, Etc. Class 21.

285,767. "AIB" ETC. AND REPRESENTATION OF EAGLE AND SHIELD. Registered Aug. 4, 1931. American Institute of Banking, New York, N. Y., a voluntary association of New York. Renewed Aug. 4, 1951. Booklets. Class 38.

285,958. REPRESENTATION OF RECTANGLE DESIGN LINED FOR ORANGE AND BLUE. Registered Aug. 11, 1931. New England Fish Company, Seattle, Wash., a corporation of Maine. Renewed Aug. 11, 1951. Fish and Seafoods—Namely, Fresh, Chilled, Frozen, Canned, Smoked, and Salted Fish (Whole and in Steaks and Fillets); Etc. Class 46.

286,057. "PABCOTITE" AND DESIGN. Registered Aug. 11, 1931. The Paraffine Companies, Inc. Renewed Aug. 11, 1951, to Pabco Products Inc., San Francisco, Calif., a corporation of Delaware. Building Paper, Thermal and Acoustical Insulating Paper, Etc. Class 12.

286,617. ALCOA. Registered Sept. 1, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 1, 1951. Metal Cable Clamps, Devices for Preventing Vibration of Electric Cables, Non-Ferrous Tubing, Rivets, and Nails. Class 13.

286,618. "ALCOA" AND REPRESENTATION OF SHIELD. Registered Sept. 1, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Sept. 1, 1951. Metal Cable Clamps, Devices for Preventing Vibration of Electric Cables, Non-Ferrous Tubing, Rivets, and Nails. Class 13.

286,706. INDIATONE. Registered Sept. 1, 1931. Agfa Ansco Corporation, Binghamton, N. Y. Renewed Sept. 1, 1951, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware. Sensitized Photographic Paper. Class 26.

286,853. GAYMODE. Registered Sept. 8, 1931. J. C. Penney Company, Wilmington, Del., and New York, N. Y. Renewed Sept. 8, 1951, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Men's, Women's, and Children's Hosiery. Class 39.

286,856. "TRANS-O-FACE" ETC. AND REPRESENTATION OF SHIELD LINED FOR RED. Registered Sept. 8, 1931. Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1951. Paper Bags. Class 2.

286,858. "TRANS-PAK" ETC. AND REPRESENTATION OF SHIELD LINED FOR RED. Registered Sept. 8, 1931. Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. Renewed Sept. 8, 1951. Paper Bags. Class 2.

286,873. SHARPONT. Registered Sept. 8, 1931. Scripto Manufacturing Company. Renewed Sept. 8, 1951, to Scripto, Inc., Atlanta, Ga., a corporation of Georgia. Stationery Items—Namely, Pencils, Leads, and Rubber Erasers. Class 37.

286,886. "WARREN'S" AND DRAWING. Registered Sept. 8, 1931. The Warren Featherbone Company, Three Oaks, Mich., a corporation of Michigan. Renewed Sept. 8, 1951. Bias Fold Tape, Blanket Binding, Braids, Bloomer Elastic, Collar Supports, Etc. Class 40.

286,934. CRYSTAL. Registered Sept. 8, 1931. The Barrett Company. Renewed Sept. 8, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Prepared Paint and for Priming Material and Roof Coating of the Nature of Paint. Class 16.

287,126. ABC. Registered Sept. 15, 1931. Altorfer Bros. Company, East Peoria, Ill. Renewed Sept. 15, 1951, to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois. Electric Power Units for the Operation of Electrically Driven Beaters, Knives, Mixers, Etc. Class 21.

287,198. HAMMERED. Registered Sept. 15, 1931. Johnson Educator Food Company, Cambridge, Mass. Renewed Sept. 15, 1951, to Megowen-Educator Food Company, Lowell, Mass., a corporation of Massachusetts. Biscuits. Class 46.

287,212. THINSIES. Registered Sept. 15, 1931. Johnson Educator Food Company, Cambridge, Mass. Renewed Sept. 15, 1951, to Megowen-Educator Food Company, Lowell, Mass., a corporation of Massachusetts. Biscuits. Class 46.

287,719. ALCOA. Registered Oct. 6, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 6, 1951. Anti-Seize Compound. Class 15.

287,720. "ALCOA" AND REPRESENTATION OF SHIELD. Registered Oct. 6, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Oct. 6, 1951. Anti-Seize Compound. Class 15.

287,963. SOCIAL SCIENCE. Registered Oct. 20, 1931. Social Science Publishing Company, Winfield, Kans., a corporation of Kansas. Renewed Oct. 20, 1951. Periodical. Class 38.

288,379. SUN-GOLD. Registered Oct. 27, 1931. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Bracelets and Wrist Bands and Straps for Wrist Watches, Said Wrist Bands and Straps Being Completely Fitted With Attaching Means. Class 28.

288,477. REPRESENTATION OF GREEK LETTERS (PI GAMMA MU). Registered Oct. 27, 1931. The National Social Science Honor Society, Pi Gamma Mu, Incorporated, Winfield, Kans., a corporation of Colorado. Renewed Oct. 27, 1951. Jewelry for Personal Wear Not Including Watches. Class 28.

288,505. DOLLY MADISON. Registered Oct. 27, 1931. Bulova Watch Company, Inc., New York, N. Y., a corporation of New York. Renewed Oct. 27, 1951. Watches. Class 27.

288,598. SEGO. Registered Nov. 3, 1931. Sego Milk Products Company, Salt Lake City, Utah, a corporation of Utah. Renewed Nov. 3, 1951. Butter, Cheese, Powdered Skim Milk, and Casein. Class 46.

288,722. SMART SET. Registered Nov. 3, 1931. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Nov. 3, 1951. Boots and Shoes of Leather, Fabric, and Combinations Thereof. Class 39.

288,918. MARTHA ANN. Registered Nov. 10, 1931. Grace A. Rush, Inc., Hyde Park, Cincinnati, Ohio. Renewed Nov. 10, 1951, to Grace A. Rush, Inc., Cincinnati, Ohio, a corporation of Ohio. Fruit Cakes, Black Walnut Fruit Cakes, Mapled Pecans, Spiced Cinnamon Almonds, Etc. Class 46.

288,946. GUILDCRAFT. Registered Nov. 10, 1931. Guild of Prescription Opticians of America, Inc., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1951. Periodical Publication. Class 38.

288,973. SOCIETY. Registered Nov. 10, 1931. Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey. Renewed Nov. 10, 1951. Pencils. Class 37.

288,976. ALCOA. Registered Nov. 10, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1951. Aluminum Shingles, Corrugated Roofing, Down Spouts, and Gutters and Flashings. Class 12.

288,977. "ALCOA" AND REPRESENTATION OF SHIELD. Registered Nov. 10, 1931. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Nov. 10, 1951. Aluminum Shingles, Corrugated Roofing, Down Spouts, and Gutters and Flashings. Class 12.

289,064. PURINA. Registered Nov. 17, 1931. Ralston Purina Company, St. Louis, Mo., a corporation of Missouri. Renewed Nov. 17, 1951. Worm Capsules, Insect Powder, Disinfectants, and Liquid Insect Destroyer. Class 18.

289,082. ACTIN. Registered Nov. 17, 1931. Seeck & Kade, Inc., New York, N. Y., a corporation of New York. Renewed Nov. 17, 1951. Household Proprietary Preparation for the Treatment of Common Colds, Simple Headaches, and Muscular Pains. Class 18.

289,140. SUNAIRE. Registered Nov. 17, 1931. Jantzen Knitting Mills. Renewed Nov. 17, 1951, to Jantzen Knitting Mills Inc., Portland, Oreg., a corporation of Nevada. Swimming Suits. Class 39.

289,481. ALTAX. Registered Dec. 1, 1931. The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio. Renewed Dec. 1, 1951. Accelerators for the Vulcanization of Caoutchouc. Class 6.

289,581. "GOLD KING" ETC. AND DRAWING. Registered Dec. 1, 1931. The Colorado Milling & Elevator Co., Denver, Colo., a corporation of Colorado. Renewed Dec. 1, 1951. Wheat Flour. Class 46.

289,615. TRAFFICAIRE. Registered Dec. 1, 1931. Schwarze Elec. Co. Renewed Dec. 1, 1951, to Sperti Faraday Inc., Adrian, Mich., a corporation of Ohio. Audible Signals of Trumpet, Horn, and Diaphragm Type, Either Manually, Mechanically, Electrically, or Pneumatically Operated. Class 23.

289,824. "VOGUAIRE" ETC. Registered Dec. 8, 1931. International Shoe Co., St. Louis, Mo., a corporation of Delaware. Renewed Dec. 8, 1951. Boots and Shoes of Leather, Fabric and Combinations Thereof. Class 39.

290,011. "POLAR" AND DRAWING. Registered Dec. 22, 1931. The Barrett Company. Renewed Dec. 22, 1951, to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York. Insecticide and Insect Repellant and Naphthalene. Class 6.

290,045. HEARTIES. Registered Dec. 22, 1931. General Mills, Inc., Minneapolis, Minn., a corporation of Delaware. Renewed Dec. 22, 1951. Cereal Breakfast Food. Class 46.

290,086. "STRIP-RITE." Registered Dec. 22, 1931. Wallerstein Company, Inc., New York, N. Y., a corporation of New York. Renewed Dec. 22, 1951. Enzymatic Material for Desizing Fabrics and Silks. Class 6.

290,286. "METAL EDGE" WITH HEAVY UNDERLINE. Registered Dec. 29, 1931. National Metal Edge Box Company. Renewed Dec. 29, 1951, to National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania. Metal Stays for Paper Boxes. Class 13.

290,287. "METAL EDGE" WITH HEAVY UNDERLINE. Registered Dec. 29, 1931. National Metal Edge Box Company. Renewed Dec. 29, 1951, to National Metal Edge Box Company, Philadelphia, Pa., a corporation of Pennsylvania. Metal-Stayed Paper Boxes. Class 2.

290,321. "KELKOTTERS" ETC. AND REPRESENTATION OF COTTER PIN. Registered Jan. 5, 1932. American Steel Company, Pittsburgh, Pa., a corporation of New Jersey. Renewed Jan. 5, 1952. Cotter Pins. Class 13.

TRADE-MARK REGISTRATIONS AMENDED, DISCLAIMED, CORRECTED, ETC.

56,830. "COTTON WHITE" AND DESIGN. Registered Oct. 23, 1906. The New Century Milling Company, Dallas, Tex. Wheat-Flour. Class 46. Restricted under the provisions of section 18 of the Trade-Mark Act of 1946, to that area of the United States excluding the area comprising Missouri, Oklahoma, and Kansas, by order of the Commissioner dated Sept. 25, 1951, following decision on Concurrent Use Proceeding No. 58, *The Colorado Milling & Elevator Co.* v. *The New Century Milling Company.*

298,326. IZOLIN. Registered Nov. 1, 1932. Burton-Dixie Corporation, Chicago, Ill. Pillows. Class 32. Corrected as follows: In the certificate, line 4; and in the statement, line 3, "Illinois" should be *Delaware.*

516,807. EVINRUDE. Registered Oct. 23, 1949. Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard Motors and Parts. Class 23. Corrected as follows: In the certificate, lines 2 and 14; in the heading to the registration; in line 1 of the statement; and in the printed signature "and" should be *&.*

519,909. JOHNSON. Registered Jan. 17, 1950. Outboard, Marine and Manufacturing Company, Waukegan, Ill. Outboard Motors. Class 23. Corrected as follows: In the certificate, lines 2 and 14; in the heading to the registration; in line 1 of the statement; and in the printed signature "and" should be *&.*

546,666. CLIFF HOUSE. Registered Aug. 14, 1951. Red Line Commercial Company, Inc., trading as Cliff House Distributors, New York, N. Y. Unshelled Nuts and Canned Goods—Namely, Lobster, Sardines, Tuna Fish, and Mandarin Oranges. Class 46. Corrected as follows: In the certificate, line 3; and in the statement, line 3, "New Jersey" should be *New York.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

275,717. "STEELCOTE" ETC. AND DRAWING. Registered Sept. 30, 1930. Renewed Sept. 30, 1950. Steelcote Manufacturing Company. Caulk and Roofing Cement. Class 12. New certificate under section 7(c) issued Oct. 30, 1951, to Steelcote Manufacturing Company, St. Louis, Mo., a (new) corporation of Missouri.

329,623. "STEELCOTE" ETC. AND DRAWING. Registered Nov. 5, 1935. Steelcote Manufacturing Company. Paints in Dry, Paste and Ready-Mixed Forms Not Including Structural Steel Paint, Etc. Class 16. New certificate under section 7(c) issued Oct. 30, 1951, to Steelcote Manufacturing Company, St. Louis, Mo., a (new) corporation of Missouri.

383,236. DEX. Registered Nov. 26, 1940. Carleton Charles Corner, doing business as The Dexco Products Company. Bleach, Deodorizer, and Disinfectant. Class 6. New certificate under section 7(c) issued Oct. 30, 1951, to The Rapp-Ramsey Company, a partnership consisting of J. C. Rapp, A. W. Ramsey, Mabel E. Rapp, and Janet J. Ramsey, Shenandoah, Iowa.

401,287. "SKYWAY" AND DESIGN. Registered May 4, 1943. Arizona Farms. Fresh Vegetables. Class 46. New certificate under section 7(c) issued Oct. 30, 1951, to W. J. Cook, Jr., Phoenix, Ariz.

401,450. "THUNDERBIRD" AND DESIGN. Registered May 18, 1943. Arizona Farms. Fresh Vegetables. Class 46. New certificate under section 7(c) issued Oct. 30, 1951, to W. J. Cook, Jr., Phoenix, Ariz.

419,098. REXENITE. Registered Feb. 5, 1946. The Rex Co., Inc. Plastic Composition in the Form of Thread or Rodding Used as Wound Electrical Insulation for Electric Wiring. Class 21. New certificate under section 7(c) issued Oct. 30, 1951, to The Rex Corporation, Cambridge, Mass., a corporation of Massachusetts.

505,691. "GLOSSTEX" AND DESIGN. Registered Jan. 18, 1949. The Perfex Company. Laundry Starch. Class 6. New certificate under section 7(c) issued Oct. 30, 1951, to The Rapp-Ramsey Company, a partnership consisting of J. C. Rapp, A. W. Ramsey, Mabel E. Rapp, and Janet J. Ramsey, Shenandoah, Iowa.

510,669. PERFEX. Registered June 7, 1949. The Perfex Co. Dry Cleaning Preparation for Cleaning Fabrics and Painted and Varnished Surfaces, Etc. Class 4. New certificate under section 7(c) issued Oct. 30, 1951, to The Rapp-Ramsey Company, a partnership consisting of J. C. Rapp, A. W. Ramsey, Mabel E. Rapp, and Janet J. Ramsey, Shenandoah, Iowa.

511,177. MACE'S. Registered June 21, 1949. Mace's Inc. Jewelry for Personal Wear Not Including Watches—Namely, Finger Rings, Etc. Class 28. New certificate under section 7(c) issued Oct. 30, 1951, to K. E. Kleinman, Kansas City, Mo.

523,185. TYRO. Registered Mar. 28, 1950. The Perfex Company. Soapless Detergent for Use in Dairies. Class 52. New certificate under section 7(c) issued Oct. 30, 1951, to The Rapp-Ramsey Company, a partnership consisting of J. C. Rapp, A. W. Ramsey, Mabel E. Rapp, and Janet J. Ramsey, Shenandoah, Iowa.

528,912. SHINA DISH. Registered Aug. 8, 1950. The Perfex Company. Soapless Detergent for Household Use. Class 52. New certificate under section 7(c) issued Oct. 30, 1951, to The Rapp-Ramsey Company, a partnership consisting of J. C. Rapp, A. W. Ramsey, Mabel E. Rapp, and Janet J. Ramsey, Shenandoah, Iowa.

541,895. USACO. Registered May 8, 1951. Walter E. Schott, assignee of The United States Air Compressor Company. Fluid Line Fittings and Supplies—Namely, Fluid Line Couplings, Valve Hose Fittings, Etc. Class 13. New certificate under section 7(c) issued Oct. 30, 1951, to Harold C. Schott, Cleveland, Ohio.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 6

CHEMICALS AND CHEMICAL COMPOSITIONS

Reg. No. 278,916. Registered Jan. 6, 1931. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Republished by Polak & Schwarz, Inc., New York, N. Y., a corporation of New York.



The words "Fabrik-en Handelsmerk" are disclaimed apart from the mark as shown.

For Natural and Synthetic Essential Oils, Aromatic Chemicals, and Flower Oils Suitable for Perfuming Purposes.

Claims use since 1912.

Reg. No. 278,917. Registered Jan. 6, 1931. Polak & Schwarz, Zaandam, Netherlands, and New York, N. Y. Republished by Polak & Schwarz, Inc., New York, N. Y., a corporation of New York.



For Natural and Synthetic Essential Oils, Aromatic Chemicals, and Flower Oils Suitable for Perfuming Purposes.

Claims use since 1912.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 414,821. Registered June 26, 1943. Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga., a corporation of Georgia. Republished by registrant, present address, New Brunswick, N. J.

LUMITE

For Plastic Screen Cloth.

Claims use since Nov. 18, 1943.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 84,050. Registered Oct. 31, 1911. L. Sonneborn Sons, Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

HYDROCIDE

For Asphalt Compositions and Paints Used for Rendering Surfaces Waterproof or Damp-Proof.

Claims use since December 1909.

CLASS 18

MEDICINES AND PHARMACEUTICAL PREPARATIONS

Reg. No. 144,236. Registered Sept. 6, 1921. (Classified in Class 51.) M. Martin Gordon, Chicago, Ill. Republished by Princess Pat, Ltd., Chicago, Ill., a corporation of Illinois.

Princess Pat

For Perfumes, Toilet Water, Face-Powders, Talcum Powder, Face-Creams, Rouges, Sachet-Powders, Lip-Sticks, Eyebrow-Pencils, Hair-Tonics, Scalp-Ointments, Shampoos, Eyebrow-Growers, Liquid Face-Powders, Nail-Polishes, Cuticle-Remover, Nail-Bleaches, Cuticle-Salves, Hand-Lotions, Deodorizers, Depilatories, and Bath Salts.
Claims use since July 1, 1919.

Reg. No. 341,290. Registered Dec. 1, 1936. Vel-Feet Co., Philadelphia, Pa., a firm. Republished by registrant.

VEL-FEET MAKES VELVET FEET

For Preparation for the Treatment of Tinea or Athlete's Feet and Sore Tired Feet.
Claims use since about May 21, 1929.

CLASS 19

VEHICLES

Reg. No. 286,752. Registered Sept. 1, 1931. Chance Vought Corporation, Hartford, Conn. Republished by United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware.

CORSAIR

For Aircraft—Namely, Land Airplanes and Structural Parts Thereof.
Claims use since about Jan. 1, 1927.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 285,834. Registered Aug. 11, 1931. Pycope Incorporated, Joplin, Mo., a corporation of Missouri. Republished by registrant, present address Jersey City, N. J.

Pycopé

For Tooth Brushes.
Claims use since May 7, 1926.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 298,522. Registered Nov. 1, 1932. Boston Leather Specialties, Inc., Everett, Mass., Republished by Bunny Bear Inc., Everett, Mass., a corporation of Massachusetts.

Bunny Bear

For Baby Hammocks, Baby Hammock Stands, Suspended Baby Seats, Furniture Pads, Nursery Seats, High Chair Pads, and Nursery Rings.
Claims use since on or about July 1, 1931.

Reg. No. 433,282. Registered Oct. 7, 1947. Boston Leather Specialties Co., Everett, Mass., assignor to Bunny Bear, Inc. Republished by Bunny Bear Inc., Everett, Mass., a corporation of Massachusetts.



The words "Crib Protectors" are disclaimed apart from the mark as shown.
For Crib Cushions.
Claims use since Jan. 15, 1943.

CLASS 37

PAPER AND STATIONERY

Reg. No. 81,962. Registered May 23, 1911. Z. & W. M. Crane, Dalton, Mass. Republished by Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts.



For Writing Paper and Envelopes.
Claims use since about the month of April 1880.

Reg. No. 288,073. Registered Oct. 20, 1931. Riegel Paper Corporation, Riegelsville, N. J., and New York, N. Y., a corporation of New Jersey. Republished by registrant, New York, N. Y.

CERTIFINE

For Tympan Paper and Bristol Board.
Claims use since June 1, 1931.

Reg. No. 423,917. Registered Sept. 17, 1946. Chicopee Sales Corporation, New York, N. Y. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

BONLINN

For Unwoven Fiber Sheeting in the Nature of Cloth and Paper, Prepared by Binding Fleeces or Webs or Individual Fibers, for Example, Vegetable or Synthetic Fibers and Used as a Substitute for Paper and Woven Cloth, as for Example When Unlaminated as an Infuson Material for Tea Bags.
Claims use since Sept. 4, 1944.

CLASS 39

CLOTHING

Reg. No. 298,562. Registered Nov. 1, 1932. Johnson & Johnson, New Brunswick, N. J. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

CHUX

For Diapers Made of Cotton, Paper, and Gauze.
Claims use since May 23, 1932.

Reg. No. 387,983. Registered June 10, 1941. Chicopee Sales Corporation, New York, N. Y. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

Chix

For Textile Diapers.
Claims use since Jan. 9, 1940.

Reg. No. 398,973. Registered Dec. 8, 1942. Chicopee Sales Corporation, New York, N. Y. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

DOWN-WEVE

The word "Weve" is disclaimed apart from the mark as shown.
For Textile Diapers.
Claims use since Jan. 1, 1940.

Reg. No. 414,053. Registered May 22, 1945. Chicopee Sales Corporation, New York, N. Y. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

DISPOSIES

For Babies' Diapers, Babies' Diaper Outfits Consisting of a Waterproof Holder and a Disposable Diaper Pad, and Waterproof Holders and Disposable Diaper Pads for Use With Said Outfits.
Claims use since June 8, 1944.

Reg. No. 443,687. Registered Jan. 17, 1950. Chicopee Sales Corporation, New York, N. Y., now by change of name Chicopee Mills, Inc. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.



For Textile Baby Diapers, Waterproofed Textile Diaper Holders, Disposable Diaper Pads, and Diaper Pads.
Claims use since Mar. 10, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 428,892. Registered Apr. 8, 1947. Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga., a corporation of Georgia. Republished by registrant, present address New Brunswick, N. J.

LUMITE

For Fabric Woven in Whole or in Part From Flexible Synthetic Extruded Plastic Monofilaments Such as, for Example, Vinylidene Chloride, and Useful as a Substitute for Cloth Woven From Natural Fibers, for Example, as Upholstering Cloth.
Claims use since Nov. 1, 1945.

Reg. No. 439,209. Registered June 8, 1948. Chicopee Sales Corporation, New York, N. Y. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.

Chix

For Crib Sheets.
Claims use since June 1, 1946.

Reg. No. 443,832. Registered Mar. 14, 1950. Chicopee Sales Corporation, New York, N. Y., now by change of name Chicopee Mills, Inc. Republished by Chicopee Mills, Inc., New York, N. Y., a corporation of New York.



For Cotton Piece Goods, Cheesecloth, Gauze, Percalines, Messalines, Crinolines, Sheets, Print Cloths Made From Cotton Fibers, Percales in the Piece, Non-Woven Fibrous Sheetings, and Disposable Cotton Towels.
Claims use since Nov. 3, 1945.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 280,992. Registered Mar. 3, 1931. Steele-Wedeles Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SAVOY

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks.
Claims use since 1894.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 113,194. Registered Oct. 10, 1916. Valecia Evaporated Milk Co., Madison, Wis. Republished by Pet Milk Company, St. Louis, Mo., a corporation of Delaware.



For Evaporated Milk.
Claims use since November 1912.

Reg. No. 131,941. Registered June 1, 1920. Horowitz Bros. & Margareten, Inc., New York, N. Y., a corporation of New York. Republished by registrant.



The words "Kosher Matzoh Products" and the phrase "Since 1888 the Best" are disclaimed apart from the mark as shown.
For Cakes or Biscuits Called Matzohs.
Claims use since Oct. 15, 1919.

Reg. No. 144,972. Registered July 19, 1921. Westfeldt Brothers, New Orleans, La., a partnership. Republished by registrant.

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For Coffee.
Claims use since 1902.

Reg. No. 192,960. Registered Dec. 16, 1924. Westfeldt Brothers, New Orleans, La., a partnership. Republished by registrant.

WB/A
COATEPEC

For Green Coffees.
Claims use since about 1918.

Reg. No. 204,840. Registered Oct. 27, 1925. Philippine Manufacturing Company, Manila, Philippine Islands. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.



For Vegetable Lard Compound.
Claims use since 1919.

Reg. No. 221,340. Registered Nov. 30, 1926. Michelex Elevator & Warehouse Co., Port Huron, Mich. Republished by Michigan Elevator Exchange, Lansing, Mich., a corporation of Michigan.



The descriptive matter "Michigan Pea Beans," "Packed by Michelex Elevator & Warehouse Co.," "Bunker Hill Beans," "Port Huron, Mich.," "100 lbs. net when packed" are disclaimed apart from the mark as shown.
For Beans in Their Natural State.
Claims use since November 1924.

Reg. No. 241,577. Registered May 1, 1928. Westfeldt Brothers, New Orleans, La., a partnership. Republished by registrant.

TRES CORONAS

For Green Coffee.
Claims use since 1922.

Reg. No. 258,336. Registered July 2, 1929. Charles J. Enoch, Del Rey, Calif. Republished by Enoch Packing Company, Del Rey, Calif., a corporation of California.



The drawing is lined for red.
For Fresh Deciduous Fruits, Dried Fruits, and Fresh Cantaloupes.
Claims use since Jan. 1, 1928.

Reg. No. 286,998. Registered Sept. 8, 1931. H. P. Hood & Sons, Inc., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

FUTURA

For Ice Cream.
Claims use since Apr. 25, 1931.

Reg. No. 367,394. Registered May 16, 1939. David Glass & Sons Wholesale Grocers, Inc., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SEE-MORE

For Dried Prunes, Beans, Rice, Figs, Currents, Macaroni and Spaghetti; Canned Tomatoes With Puree From Trimmings; Canned Vegetables; Canned Fruits; Canned Fruit Salad; Canned Fish, Packaged Pure Spices, Canned Apple Butter and Apple Sauce, Canned and Bottled Olives and Dill Pickles, Bottled Catsup and Peanut Butter, Canned Pineapple Juice and Grapefruit Juice for Food Purposes; and Packaged Nuts in Their Natural State, Shelled, Salted and Candied.
Claims use since December 1937.

CLASS 51

COSMETICS AND TOILET PREPARATIONS

Reg. No. 146,236. Registered Sept. 6, 1921. M. Martin Gordon, Chicago, Ill. Republished by Princess Pat, Ltd., Chicago, Ill., a corporation of Illinois.



Princess
Pat

For Perfumes, Toilet Water, Face-Powders, Talcum Powder, Face-Creams, Rouges, Sachet-Powders, Lip-Sticks, Eyebrow-Pencils, Hair-Tonics, Scalp-Ointments, Shampoos, Eyebrow-Growers, Liquid Face-Powders, Nail-Polishes, Cuticle-Remover, Nail-Bleaches, Cuticle-Salves, Hand-Lotions, Deodorizers, Depilatories, and Bath Salts.
Claims use since July 1, 1919.

CLASS 52

DETERGENTS AND SOAPS

Reg. No. 124,549. Registered Feb. 25, 1919. James S. Kirk & Company, Chicago, Ill. Republished by The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio.

•CRYSTOLA•

For Toilet and Household Soap.
Claims use since on or about Sept. 15, 1883.

Reg. No. 146,236. Registered Sept. 6, 1921. (Classified in Class 51.) M. Martin Gordon, Chicago, Ill. Republished by Princess Pat, Ltd., Chicago, Ill., a corporation of Illinois.



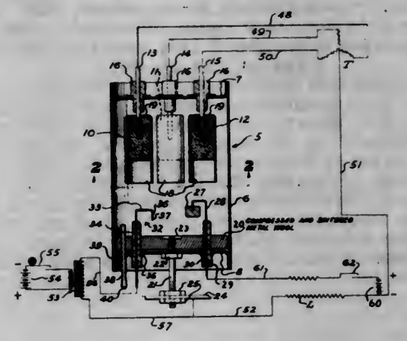
Princess
Pat

For Perfumes, Toilet Water, Face-Powders, Talcum Powder, Face-Creams, Rouges, Sachet-Powders, Lip-Sticks, Eyebrow-Pencils, Hair-Tonics, Scalp-Ointments, Shampoos, Eyebrow-Growers, Liquid Face-Powders, Nail-Polishes, Cuticle-Remover, Nail-Bleaches, Cuticle-Salves, Hand-Lotions, Deodorizers, Depilatories, and Bath Salts.
Claims use since July 1, 1919.

REISSUES

OCTOBER 30, 1951

23,424
POWER RECTIFIER TUBE
Dudley B. Clark, Palm Springs, Calif.
Original No. 2,468,037, dated April 26, 1949, Serial No. 734,712, March 14, 1947. Application for reissue August 9, 1951, Serial No. 241,138
6 Claims. (Cl. 313—169)



1. In a mercury vapor power rectifier comprising an enclosure, an anode; a porous cathode member saturated with mercury; and a starter element in said enclosure comprising a conductor member having a sharp pointed end.

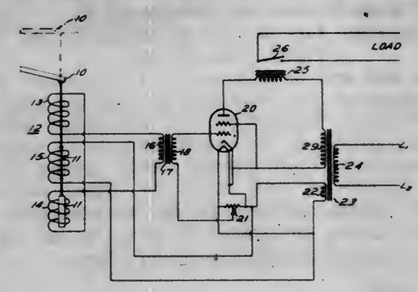
23,425
POLYFLUORINATED COMPOUNDS
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original No. 2,404,374, dated July 23, 1946, Serial No. 484,243, Apr. 23, 1943. Application for reissue May 7, 1948, Serial No. 25,782
11 Claims. (Cl. 260—648)

10. A process for preparing completely halogenated polyfluorohydrocarbons which comprises heating at a temperature of at least 125° C. a completely halogenated ethylene of the formula $CX_2{=}CX_2$, wherein X is halogen and at least 2 of the halogens are fluorine.

18. A volatile completely halogenated polyfluorocyclobutane of the class consisting of dichlorohexafluorocyclobutane having a boiling point of about 59° C., 1,2-dibromohexafluorocyclobutane and tetrachlorotetrafluorocyclobutane which distills at about 129° C.

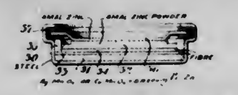
23,426
RELAY
William D. Macgeorge, Collegeville, Pa., assignor to Automatic Temperature Control Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Original No. 2,554,467, dated May 22, 1951, Serial No. 740,507, April 9, 1947. Application for reissue August 9, 1951, Serial No. 241,137
5 Claims. (Cl. 175—320)

1. A trigger action relay circuit comprising an armature and a differential transformer, means for securing relative movement of the armature and transformer as functions of the changes of condition of a conditioned device, a relay circuit comprising a tube, means for applying a negative grid bias to the tube, means for conducting the output of the differential transformer to the grid of the tube to energize the tube when the armature is in one predetermined relation to the transformer at which the grid bias is balanced, a relay



in the tube circuit, a second tube in said relay circuit, means for applying a variable negative grid bias to the said second tube, means for conducting the output of the differential transformer to the grid of the second tube to energize the second tube when the armature is in a second predetermined relation to the transformer at which the grid bias of the second tube is balanced, and a second relay in the second tube circuit.

23,427
PRIMARY CELL WITH PERMANGANATE DEPOLARIZER
Samuel Ruben, New Rochelle, N. Y.
Original No. 2,462,998, dated March 1, 1949, Serial No. 582,594, March 14, 1945. Application for reissue February 21, 1950, Serial No. 145,520
28 Claims. (Cl. 136—107)



21. A dry cell comprising a metal cup, a layer of insulation on the bottom surface of said cup, a cylindrical cathode lining the circumferential inside wall of said cup and in contact therewith, a cylindrical anode comprising amalgamated zinc spaced within said cathode having one of its ends resting on said layer of insulation and having its other end extending beyond the corresponding end of said cylindrical cathode, a porous spacer between said anode and cathode impregnated with electrolyte, said spacer including a barrier of ionically permeable material having such porosity as to substantially prevent the migration of compounds from the cathode toward the anode, and a metal closure for said cell, the inside surface of which has an amalgam layer, said inside surface of the closure being in contact with the top of said anode cylinder and holding the anode cylinder under compression between said inside surface and said layer of insulation.

PLANT PATENTS

GRANTED OCTOBER 30, 1951

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

1,646
IVY PLANT
Walter S. Hahn, Pittsburgh, Pa., assignor to Louis Hahn & Son, Pittsburgh, Pa.
Application July 10, 1950, Serial No. 172,797
1 Claim. (Cl. 47—59)

The new and distinct variety of ivy plant of the variegated type, herein shown and described, characterized particularly by the rapid and vigorous growth of its central stems in its early life; relatively small leaves, widely spaced between internodes and borne on rather short, slender, reddish petioles; and by the notably irregular pattern of variegation of its leaves and the non-glossy, silver-gray bloom effect.

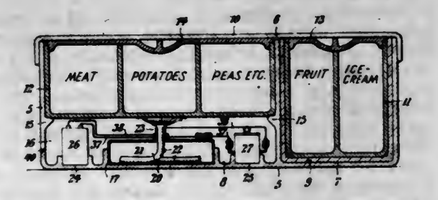
1,647
ROSE PLANT
Arthur Preston Howard, Sierra Madre, Calif., assignor to Howard & Smith, Montebello, Calif.
Application September 5, 1950, Serial No. 183,150
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant, with qualities in combination substantially as herein shown and described, characterized particularly by its strong growth; its prolific production of flowers; its comparative hardiness; its habit of bearing flowers both singly and in clusters; its delicate pink flowers, the petals of which frequently become ruffled or fluted after opening and later flatten to expose anthers; and the habit of its flowers of "going to sleep" when put on ice.

PATENTS

GRANTED OCTOBER 30, 1951

2,572,826
FOOD PRESERVING AND COOKING DEVICE
Ralph M. Shaw, Jr., Edgewater Park, N. J., assignor to Pedrick Tool & Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 31, 1948, Serial No. 5,669
3 Claims. (Cl. 126—261)



1. In a food preserving and cooking device, a receptacle for frozen foods having a hollow therebeneath; heating means within said hollow having the form of a wick burner with a fuel reservoir of a capacity to insure complete cooking of the food in the receptacle; an electrical igniting means at the wick of the burner; and a normally-open thermostatic switch in circuit with the igniting means adapted, upon rise of the temperature within the receptacle to a predetermined degree after removal from storage in a refrigerator, to close the circuit for starting the burner.

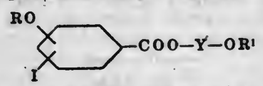
2,572,827
NONTUMBLING GYROSCOPIC DIRECTIONAL INDICATOR
John S. Adkins, Dayton, and John J. Hart, Osborn, Ohio
Application March 8, 1948, Serial No. 13,734
3 Claims. (Cl. 33—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gyroscopic directional indicator comprising, a normally vertical gimbal ring mounted to rotate freely about a normally vertical axis, a rotor case mounted to rotate within said gimbal ring about a normally horizontal axis of rotation, a rotor capable of high speed rotation being rotatably mounted within said rotor case on a normally horizontal spin axis lying at a right angle to the axis of rotation of said rotor case, a rotatably mounted direction indicating pointer, means for operatively connecting said gimbal ring and said pointer to provide for equi-angular rotation of said pointer and said gimbal ring, a rotatably mounted reference dial directly behind said pointer and concentric with respect thereto, a caging mechanism operable to positively move said rotor case into a position wherein said rotor spin axis is at a right angle to the axis of rotation of said gimbal ring, a slidable and rotatable shaft for actuating said caging mechanism by a sliding movement thereof, means including an element fixed on said shaft to rotate said pointer and said gimbal ring when said shaft is in the caged position and upon rotation of said shaft, and the latter means being operable to rotate said reference dial when said shaft is in the uncaged position and upon rotation of said shaft.

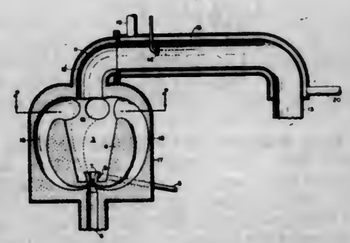
2,572,828
ALKOXYALKYL ESTERS OF MONOIODO-MONO-ALKOXYBENZOIC ACIDS
Sydney Archer, Albany, N. Y., assignor to Sterling Drug Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application November 24, 1947, Serial No. 787,854
8 Claims. (Cl. 260—473)

1. A compound having the formula



where Y is an alkylene bridge of 2 to 3 carbon atoms and at least two carbon atoms separate the carboxyl group from the —OR¹ group, and R and R¹ are alkyl groups of such a size that the total number of carbon atoms in the molecule does not exceed 16, and wherein the iodine atom is in a position selected from ortho and para with respect to the alkoxy group.

2,572,829
COAL GASIFICATION PROCESS AND APPARATUS
Robert G. Atkinson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 28, 1948, Serial No. 67,735
12 Claims. (Cl. 48—63)

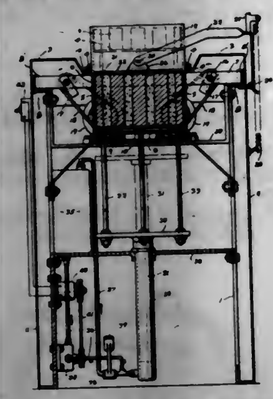


5. In the process for gasifying coal by the reaction of finely-divided coal with oxygen and steam at a temperature above 750° C. in a furnace of generally circular transverse cross section having a reactant inlet port in one end and a product outlet port in the opposite end, the improvement comprising introducing into said furnace, through a tangential port in the sidewall adjacent said inlet port in a direction tangent to the sidewall and generally normal to the longitudinal axis

thereof, a gaseous suspension of finely-divided coal and steam at a sufficiently high velocity and in sufficient quantity as to be maintained adjacent the whole inner surface of the sidewall thus forming a separating layer of said finely-divided coal and suspending gas between said sidewall and the reaction zone in the center of said furnace, thereby shielding the walls of said furnace from heat radiations and simultaneously preheating the finely-divided coal and steam, removing the reaction products through said product outlet port, removing the preheated coal and steam through another port adjacent the product outlet port, passing said preheated coal and steam together with a free oxygen-containing gas into said chamber through the reactant inlet port for conversion into gaseous products.

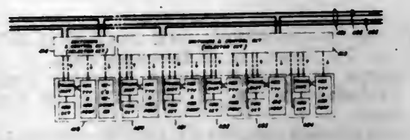
11. A high-temperature water gas furnace comprising, in combination, a frusto-conical, refractory-lined chamber; a reactant inlet comprising a venturi in the smaller end of said chamber for injecting reactants into said chamber in a direction along the longitudinal axis thereof; a product outlet port centrally located in the opposite end of said chamber for removing gaseous products from said chamber; at least one tangential inlet port in the sidewall adjacent said inlet port opening in a direction tangent to said sidewall and generally normal to the longitudinal axis thereof; and at least one dust return duct leading from the periphery of the outlet end of said chamber tangent to the side wall at a point adjacent the outlet port and joining the reactant inlet line in the throat of the venturi.

2,572,830
MACHINE FOR MOLDING CONCRETE BLOCKS
Fredrick T. Appleby, Toronto, Ontario, Canada
Application May 18, 1949, Serial No. 93,976
3 Claims. (Cl. 25—41)



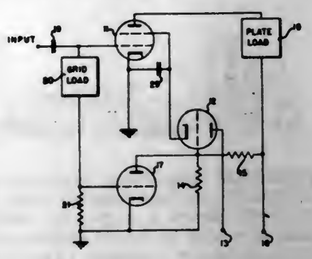
1. In a machine for making building blocks, a matrix box, horizontally arranged supporting members rigid with said box and extending outwardly from opposite sides thereof, a frame provided with horizontal seating surfaces upon which said supporting members rest loosely, guide means for confining said supporting members to a vertical movement so that said supporting members and the matrix box may move upwardly as a unit, a shaft transversely journalled on each of said supporting members, a weight piece eccentrically secured to each shaft, and power means on said frame for driving said shafts, said power means including flexible devices for enabling said supporting members to have unhampered vibratory motion under the influence of said weight pieces.

2,572,831
COMMUNICATION SYSTEM
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 24, 1947, Serial No. 787,631
7 Claims. (Cl. 178—2)



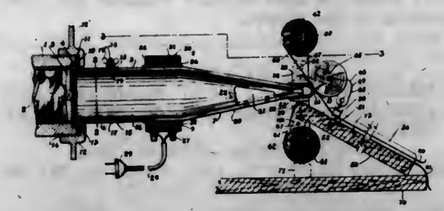
6. In a telegraph switching system, a plurality of subscriber stations, a plurality of sources of messages including directing signals appended thereto located at subscriber stations, a plurality of telegraph transmission lines each extending to a plurality of said subscriber stations, a central switching station to which said lines extend, telegraph receiving equipment located at each of said subscriber stations, automatic switching equipment at said central station for automatically directing a message having appended thereto directing signals designating one receiving device to transmission paths extending toward said receiving device, a multiple transmission circuit, other automatic switching equipment for directing messages having signals appended thereto designating a plurality of receiving devices to said multiple transmission circuit, switching means for conveying a given message from said multiple transmission circuit to a plurality of said line circuits, means for transmitting said messages together with said directing signals over said lines, and switching equipment connected to said lines responsive to directing signals to connect the designated stations to said lines.

2,572,832
TUBE PROTECTION CIRCUIT
William B. Bernard, Portsmouth, N. H.
Application May 24, 1948, Serial No. 28,960
7 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



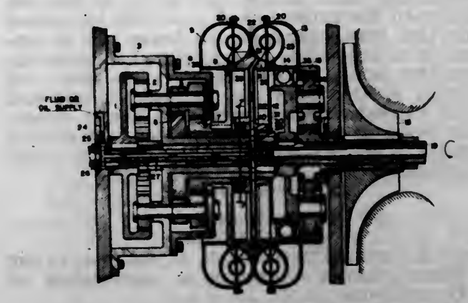
1. A protective circuit for a first electron tube having a cathode, plate and a grid, a first voltage source for energizing said plate and a second voltage source for energizing said grid, said circuit comprising a second electron tube having a cathode, plate and control grid and connected serially between said first tube grid and said second voltage source, means for energizing said control grid of said second tube from said first voltage source, whereby failure of said first voltage source substantially instantaneously reduces the voltage on the grid of said first tube.

2,572,833
APPARATUS FOR MAKING EDIBLE PRODUCTS
Martin Louis Balsarini, Rockport, Mass.
Application July 30, 1945, Serial No. 607,814
11 Claims. (Cl. 99—234)



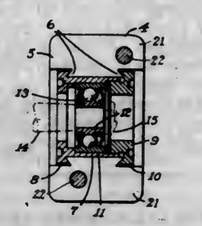
1. An apparatus combination for preparing a sheet of fatty material comprising a housing having an inlet and an outlet, a screw conveyor and means for disaggregating fatty material coordinated therewith within said housing, said conveyor being adapted for the expression of disaggregated material from said housing, conduit means attached to the outlet of said housing, said conduit means including means for compacting and spreading disaggregated fatty material, said compacting and spreading means diverging to an enlarged width relative to the said housing outlet, said compacting and spreading means having an extruding orifice at the outlet end thereof, and means for heating said conduit means coordinated in heat exchange relationship therewith.

2,572,834
HYDRAULIC VARIABLE SLIP COUPLING
George W. Ball, Hartford, Conn.
Application June 11, 1946, Serial No. 676,044
9 Claims. (Cl. 74—688)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



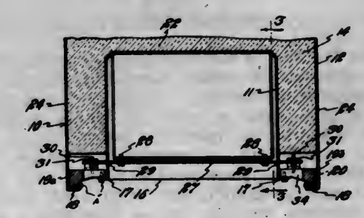
1. A multi-stage hydraulic variable slip coupling having a driving means and a driven member, comprising a first stage driver geared to the driving means through an overrunning clutch, a first stage runner hydraulically driven by said first stage driver and geared to said driven member, at least one additional driver geared to the driving means to operate at successively relatively greater speeds than, and in the same direction as, said first stage driver for hydraulically driving said first stage driver and each successive stage driver, all drivers except that of the last stage being provided with overrunning clutches and runner vanes to permit their speeds being increased by the succeeding stage driver over the normal direct drive from the driving means through their respective overrunning clutches, and bleed means for each stage.

2,572,835
WOODEN ROLLER CONSTRUCTION FOR ROLLER SKATES
George M. Bloom, Rockford, Ill.
Application October 8, 1948, Serial No. 53,391
6 Claims. (Cl. 301—5.7)



3. In a skate roller construction, the combination of a rotating sleeve member on which a roller body is adapted to be mounted and having an annular shoulder peripherally thereof with an inclined undercut face on the inner side, a roller retaining nut threaded on one end of the sleeve and having an annular shoulder peripherally thereof with an inclined undercut face on the inner side opposed to the first mentioned undercut face on the sleeve, a roller body having a central bore to receive said sleeve, said body being formed of four segmental-shaped ninety degree sections of wood adapted to be secured together in assembled relationship, all of said sections being formed with the grain running lengthwise thereof substantially radially from the center of the roller, whereby to expose only end grain for wear on the periphery of the roller, said roller body being formed with a pair of undercut annular shoulders in the bore thereof matching and abutting the undercut shoulders on the sleeve and nut, whereby to retain the sections against possibility of radial displacement from said sleeve when secured thereon by said nut, there being also wooden dowel pins in said roller body for connecting together abutting portions of neighboring sections, said pins being entered with a close fit and cemented in holes extending from each section into neighboring sections and provided on lines of chords of the circle defined by the roller, which chords are wholly between the bore and the periphery so that none of the holes intersect said bore, the outer ends of said pins being rounded off flush with the periphery of the roller.

2,572,836
COOLING UNIT SUPPORTING STRUCTURE
Karl Gunnar Borén, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden
Application November 18, 1948, Serial No. 60,811
In Sweden November 26, 1947
13 Claims. (Cl. 62—89)



1. A refrigerator comprising a cabinet comprising thermally insulated walls defining a storage

space having an access opening at the forward part thereof, said thermally insulated walls including an outer shell and an inner shell, structure at the front of the cabinet between the forward parts of said shells for supporting said inner shell within said outer shell, refrigeration apparatus including a cooling unit in said space supported in cantilever fashion at the rear wall of said space and projecting therefrom to a region adjacent the vicinity of the access opening, said cooling unit being spaced from the top wall of said space and unconnected therewith, and a member associated with the forward part of said cooling unit and connected to said structure to provide additional support for said cooling unit.

2,572,837

MONITOR FOR FILAMENTARY MATERIAL

Robert M. Brink, Pelham, N. Y., assignor to Deering Milliken Research Trust, New York, N. Y., a nonprofit trust of New York

Application November 13, 1947, Serial No. 785,661
8 Claims. (Cl. 28—64)



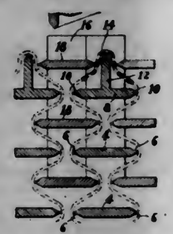
1. A yarn monitor device for detection of slubs comprising in combination, a plate having a surface for travel of yarn thereover, an oscillatable member mounted adjacent said surface, said member having spaced portions positioned to be successively engaged by a slub during travel of yarn over said surface and between said surface and said portions, said portions being so located on said member with respect to its axis of oscillation that successive engagements with a slub tend to rock the member in opposite directions about its axis whereby slubs longer than the spacing between said portions are detected.

2,572,838

METHOD AND APPARATUS FOR ELECTROLYTIC TREATMENT OF SLIDE FASTENERS

Charles C. Cohn, Elkins Park, Pa., assignor to Samuel L. Cohn and Charles C. Cohn, copartners, doing business as Colonial Alloys Company, Philadelphia, Pa.

Application April 24, 1946, Serial No. 664,581
4 Claims. (Cl. 204—23)



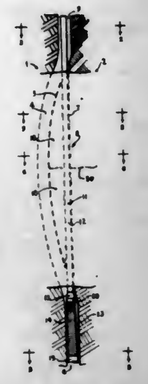
3. The method of electrolytically coating closed zippers formed of metal elements clamped on non-conducting carriers comprising winding a closed zipper about a metallic frame including a series of elongated members extending in substantial parallelism to provide a lattice, the zipper extending transversely across said elongated members, associating with said frame a second separate metallic frame including a series of elongated members extending in substantial parallelism to provide a lattice so that the members of the second frame project between the members of the first mentioned frame and impart to the closed zipper a sinuous configuration to produce a stressed engagement between the metal elements thereof, and subjecting the resulting assembly to an electrolytic action involving current conduction through the series of metal elements and thereby coating the metal elements of the zipper.

2,572,839

COMBINATION KEY SEAT REMOVER AND VIBRATION DISTRIBUTOR FOR WELL DRILLING

John McClinton, Houston, Tex.

Application October 23, 1947, Serial No. 781,724
6 Claims. (Cl. 255—73)



1. A hollow broach comprising a tapered, externally threaded body to be connected into a drill string used in rotating the drill bit in the rotary method of drilling wells where such string includes sections of drill pipe connected with tool joints and drill collars connected to the bit, means on the upper end of said body to connect to a tool joint, means on the lower end to connect to a drill collar, the uppermost thread dimension being of the smallest diameter but slightly greater than the diameter of said tool joint thereabove, the lowermost thread dimension being of the largest diameter and slightly greater than the diameter of said drill collar therebelow.

2,572,840

ROCK DRILL

John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania

Application May 4, 1946, Serial No. 667,383
13 Claims. (Cl. 121—32)



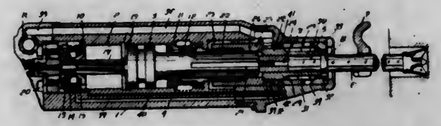
1. In a rock drill, a drill steel chuck comprising a rotatable chuck sleeve, a chuck bushing for receiving and supporting the shank of a reciprocable drill steel and relative to which the steel shank is free to slide during operation of the drill, said bushing mounted in said sleeve for free sliding movement axially relative thereto between two extreme positions, and means for slidingly interlocking said sleeve and bushing for rotation together in all axial positions of said bushing relative to said sleeve including said extreme positions and all intermediate positions while permitting such free sliding movement of said bushing relative to said sleeve.

2,572,841

ROCK DRILL

Charles F. Osgood, Franklin, Pa., and John C. Curtis, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania

Application May 31, 1946, Serial No. 673,542
18 Claims. (Cl. 121—10)



1. In a rock drill, a drilling motor having a motor element for actuating a hollow drill steel which has a shank with which said motor element cooperates in the actuation of the drill steel, said motor including a chuck for receiving the shank of the drill steel and relative to which the shank is axially movable, said shank when in a rearward position in said chuck being actuatable by said motor element and when in its forward position in said chuck having moved out of the range of actuation of said motor element, and means for supplying cleansing fluid through the drill steel to the bottom of the drill hole to blow away the cuttings, said cleansing fluid supplying means including a cleansing fluid supply passage communicating with a source of cleansing fluid and with the hollow drill steel and controlling means for said passage including a movable control member governed by movement of the steel shank and automatically effective when the steel shank is in its forward position in said chuck to open said passage to effect fluid supply to the hollow drill steel, and said control member being automatically effective, when the steel shank assumes its normal rearward operating position in said drill chuck, to discontinue fluid flow through said passage to the hollow drill steel.

2,572,842

THE N-CARBOANHYDRIDE OF 2-AMINO-4,6,6-TRIMETHYLHEPTANOIC ACID AND POLYMERS THEREFROM

Robert N. MacDonald, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 7, 1947, Serial No. 778,459
11 Claims. (Cl. 260—77.5)

1. The carboanhydride of 2-amino-4,6,6-trimethylheptanoic acid.

2,572,843

LINEAR POLYMERIC ALPHA-AMINO CARBOXYLIC ACID POLYAMIDES FROM SPIRO-N-CARBOANHYDRIDES

Robert Neal MacDonald, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 5, 1947, Serial No. 766,458
6 Claims. (Cl. 260—78)

1. A film forming, linear polyamide of intrinsic viscosity of at least 0.09 and the polymer chain of which is an open chain, which polymer is composed of recurring alpha-amino carboxylic acid units 30–100% of which are units wherein the alpha carbon is a member of a 5 to 7-membered carbocyclic ring otherwise external to the polymer chain.

2,572,844

POLYMERS FROM A COMPOSITION CONSISTING OF A PLURALITY OF AMINO ACID N-CARBOANHYDRIDES

Robert Neal MacDonald, New Castle, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 5, 1947, Serial No. 766,457
7 Claims. (Cl. 260—77.5)

2. A product of the condensation, with carbon dioxide evolution, of a composition consisting of N-carboanhydrides of a plurality of alpha-amino acids having at most one hydrogen on carbon alpha to carboxyl, each N-carboanhydride being present to the extent of at least 10%, by weight, of the reaction mixture, said product having a solubility in one of the solvents of the class consisting of m-cresol and chloroform, to the extent of at least 0.5 at 25° C., a degree of polymerization of at least 25, and a softening point not below 125° C.

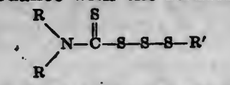
2,572,845

ALKYLTHIOSULFENYL DITHIOCARBAMATES AND PREPARATION THEREOF

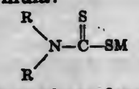
Chester M. Himel and Lee O. Edmonds, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application November 8, 1948, Serial No. 59,025
15 Claims. (Cl. 260—567)

1. A process for the preparation of an alkylthiosulfenyl dithiocarbamate having a composition in accordance with the structural formula:

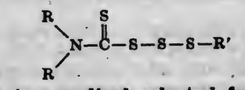


wherein each R is a radical selected from the group consisting of hydrogen, and an alkyl containing not more than 10 carbon atoms, but not more than one R being hydrogen and wherein R′ is selected from the group consisting of primary, secondary and tertiary alkyl radicals containing not more than 10 carbon atoms, said method comprising reacting an alkylthiosulfenyl halide having a composition in accordance with the structural formula, R′—S—S—X wherein R′ is as above described, and wherein X is a halogen selected from the group consisting of chlorine, bromine and iodine, with a dithiocarbamate having a composition in accordance with the following structural formula:



wherein each R is as above described and wherein M is selected from the group consisting of alkali and alkaline earth metals.

5. As a new composition of matter an alkylthiosulfenyl dithiocarbamate having a composition in accordance with the following structural formula:



wherein R is a radical selected from the group consisting of hydrogen, and an alkyl containing not more than 10 carbon atoms, but with not

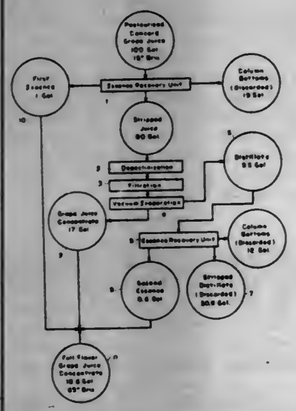
more than one R being hydrogen and wherein R' is an alkyl radical containing not more than 10 carbon atoms.

2,572,846

PROCESS FOR THE PREPARATION OF FULL FLAVORED FRUIT CONCENTRATES

Richard P. Homiller, Three Tuns, and Nelson H. Eisenhardt, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture

Application June 20, 1950, Serial No. 169,279
5 Claims. (Cl. 99—205)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The process comprising stripping a non-pomaceous fruit juice of volatile flavor constituents by subjecting the juice to partial vaporization by heating at atmospheric pressure; separating the vaporized portion containing a major proportion of the volatile flavors from the unvaporized portion of the juice; passing the vapors through a fractionating column; condensing the volatile flavor vapors by cooling; recycling part of this cooled condensate to the fractionating column to condense the water vapors therein; removing another part of said condensed volatile flavors, which part forms a first essence; depectinizing the unvaporized portion of the juice, which is stripped juice; concentrating the depectinized juice by evaporation under reduced pressure to form a juice concentrate; condensing the resultant vapors to form a liquid distillate; heating the distillate to vaporize part of it; separating the vaporized portion and forming a second liquid essence therefrom by fractionation, condensation, and recycling of condensate to the fractionation as aforesaid; and combining the first essence, second essence, and the said juice concentrate to form a juice concentrate of fuller flavor.

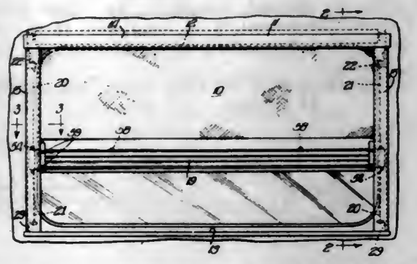
2,572,847

CABLE OPERATED CURTAIN CONSTRUCTION

Yale W. Ehret, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois

Application February 19, 1948, Serial No. 9,589
5 Claims. (Cl. 160—279)

2. In a cable operated curtain fixture adapted for attachment to the movable end of the curtain, complementary members having inwardly directed longitudinally extending means defining a plurality of longitudinally directed recesses in said fixture when said members are in assembled relation, elongated means in one of said recesses engaging in clamping relation the end of the curtain and another one of said recesses receiving the operating cables for said curtain therethrough, and cable guide member having pro-



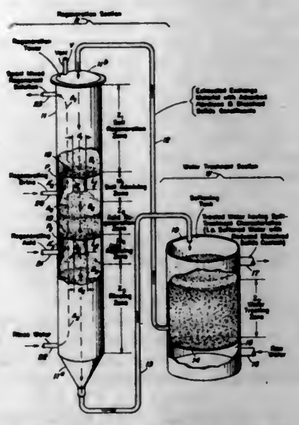
jecting end portions secured in the ends of said complementary members, each of said guide members having a channel-shaped pile fabric covered element removably positioned over the projecting end portion thereof.

2,572,848

METHOD AND APPARATUS FOR CONTINUOUSLY CONDUCTING ION EXCHANGE OPERATIONS

Elliott B. Fitch, Westport, Conn., assignor to The Dorr Company, Stamford, Conn., a corporation of Delaware

Application January 5, 1950, Serial No. 136,976
6 Claims. (Cl. 210—24)



1. The method of mixedly regenerating exhausted ion exchange material with H-ions and with Na-ions which comprises gravitationally passing the material continuously downwardly through a sequence of three liquid-filled intercommunicating treatment zones with the rate of descent of the material being such as to have present in each zone a body of said material subsided and submerged, said zones comprising in downward sequence an Na-ion regeneration zone in which the material is regenerable with salt solution, an H-ion regeneration zone in which the material is regenerable with acid regenerant solution, and a washing zone in which the material is washed free of residual regenerant chemical; continuously passing rinse water upflow through the washing zone and counter-

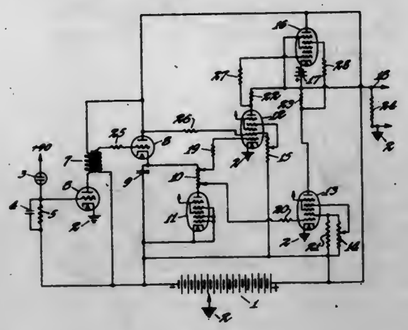
currently to the descending material so that spent rinse water passes from the body of material in the washing zone carrying highly diluted residual regenerant acid washed from the material; continuously supplying fresh acid regenerant solution of a high concentration to the spent rinse water to constitute acid regenerant solution mixture of intermediate concentration to pass upwardly into and through the material of the acid regeneration zone for partly converting converting Na-ion regenerated material in that zone to its H-ion form so that substantially spent acid regenerant solution passes from that material; continuously supplying salt regenerant solution to the spent acid regenerant solution to constitute predominantly salt regenerant solution having an admixture of unspent acid to pass upwardly into and through the body of material of the salt regeneration zone for regenerating that material mainly with Na-ions so that spent regenerant solution passes continuously upwardly from the material in that zone while mixedly regenerated and washed material discharges downwardly from the washing zone.

2,572,849

VACUUM TUBE IMPULSE PATTERN PRODUCER

Oliver T. Francis, Renville, Minn.

Original application January 4, 1945, Serial No. 571,315. Divided and this application June 24, 1946, Serial No. 678,872
8 Claims. (Cl. 250—27)



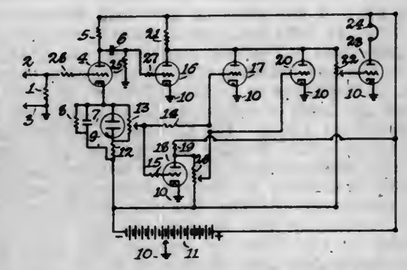
1. In a signal pattern producer of a plurality of impulses and spacings of desired different duration for controlling a signal impressed on a line, a plurality of vacuum tube valves each having an anode and a cathode, means for rendering the anode cathode path of a first of said valves conductive for a first portion of a signal period, means for rendering the anode cathode path of a second of said valves conductive for a second portion of said signal period, a load for said valves, said load comprising a vacuum tube having a plate, cathode electrode and a plurality of grids, a positive biasing source, a plurality of resistances, means for connecting said biasing source, a first of said resistances in the common circuit of said plate, said cathode electrode, a first of said grids, the anode and cathode of a first of said valves, means for connecting said biasing source, a second of said resistances in the common circuit of said plate, said cathode electrode, a second of said grids, the anode and cathode of a second of said valves, and a line connected to said cathode electrode.

2,572,850

PULSE TECHNIQUE CIRCUIT

Oliver T. Francis, Renville, Minn.

Application April 13, 1948, Serial No. 20,730
8 Claims. (Cl. 250—27)



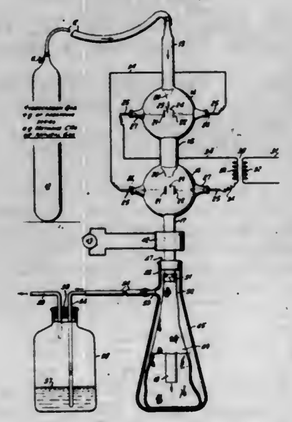
1. In a voltage magnitude indicating circuit, a plurality of vacuum tubes having input and output circuits, a load common to the output circuit of all of said tubes, a source of variable voltage, means for applying said variable voltage to the input circuit of a first of said tubes to block space current therein below a predetermined magnitude of said voltage, means for reversing the phase of said variable voltage, means for applying the voltage of reverse phase to the input circuit of a second of said tubes to render a second of said tubes conductive to space current below said predetermined magnitude, means for producing a pulse by a change of direction of said variable voltage, means for applying said pulse to the input circuit of a third of said tubes to render it non-conductive to space current at the instant of said change, and means for indicating a decrease in current through said load.

2,572,851

PRODUCTION OF CARBON BY ELECTRICAL DISCHARGE

Daniel Gardner, New York, N. Y., assignor to James E. Hughes, New York, N. Y., trustee

Application January 6, 1947, Serial No. 720,390
4 Claims. (Cl. 204—173)



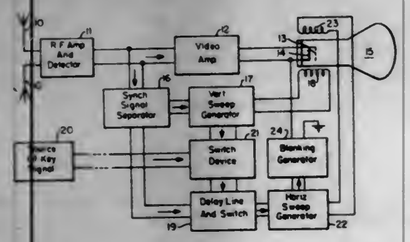
1. The low-temperature dry method of production of a solid carbon product consisting of carbon in a pure and impalpably fine state, and of the low density of not over about 1 pound per 5 gallons as delivered by such production method, comprising the step of decomposing partially

without combustion a supplied stream of a dry starting hydrocarbon gas selected from the group consisting of the paraffin gases and the olefin gases and mixtures thereof, thereby to split up a substantial fraction of such starting gas to yield such dry carbon product entrained in the unreacted part of the starting gas, said decomposing step being carried out by maintaining within a dry and gas-tight, air-and-oxygen-free gas chamber, and in the gap between spaced electrodes therein, an A. C. discharge of voltage of about 30 to 50 kilowatts per inch of electrode separation and of a frequency of about 125 to about 600 kilocycles per second, while flowing the supplied gas stream into and through said chamber within reactively exposed proximity to the decomposing action of such discharge therein, thereby liberating from such fraction of the flowing dry gas its carbon content in the form of minute dry solid particles suspended and entrained in the gas flow, and beyond such gas chamber passing the dry gas flow and entrained carbon particles into a dry receiving space and there separating out in dry form such gas-entrained fine carbon particles, by precipitation as a free mass, from the residual and byproduct gases, for dry outflow of such gases and collection of such free carbon product in a dry, pure and impalpably fine state.

2,572,852
INSECT REPELLENTS
Marshall Gates, Bryn Mawr, Pa., assignor to the United States of America as represented by the Secretary of the Army
No Drawing. Application January 10, 1949, Serial No. 70,136
6 Claims. (Cl. 167—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

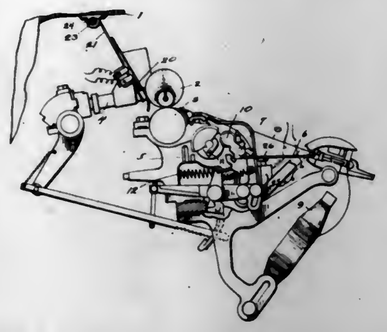
5. An insect repellent composition comprising a lower alkyl ester of an acyl-substituted alpha-oximino-acetic acid in an inert non-gaseous organic carrier, said carrier being a member of the group consisting of oil and petrolatum.

2,572,853
SUBSCRIPTION TYPE SIGNAL TRANSLATING APPARATUS
Richard O. Gray, Broadview, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Continuation of application Serial No. 789,268, December 2, 1947. This application February 5, 1949, Serial No. 74,821
11 Claims. (Cl. 178—5.1)



1. Apparatus for utilizing a composite television signal including video-signal components and synchronizing-signal components and occurring alternately in two different modes in which the time relations between said components are different and for concurrently utilizing a key signal instantaneously indicating the mode of said composite signal and received over a separate channel, said apparatus comprising: an image-reproducing device having a viewing screen area; a scanning system associated with said image-reproducing device to cause recurrent scanning of said area in one direction; a decoding device coupled to said scanning system and including time delay apparatus responsive to said key signal to introduce a time delay in the scanning of said area during reception in one of said modes to compensate the change in time relation between said video-signal and synchronizing signal components, whereby the average illumination of minor portions of said screen area is materially changed by a transition from reception in said one mode to reception in said other mode while the average illumination of the major portion of said screen area is substantially unaffected by said transition; and a blanking voltage generator coupled to said image-reproducing device and synchronized with said scanning system for extinguishing the trace of said image-reproducing device throughout the scanning intervals of said minor portions.

2,572,854
AUTOMATIC STOP GAUGE FOR WINDING MACHINES
Charles W. Guion, Arlington, Va.
Application February 2, 1949, Serial No. 74,167
10 Claims. (Cl. 242—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

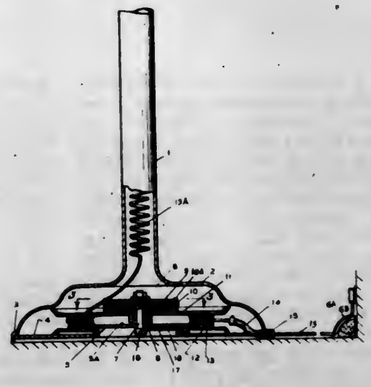


1. In a winding machine including a plurality of spool holders and means for rotating a spool mounted thereon, electric circuits including electrically-operated means for causing the discontinuance of the winding operations, a shaft mounted for adjustment about its axis, electric switches in said circuits, said switches being fixed to the shaft and disposed adjacent the spool holders.

2,572,855
BACTERICIDAL COMPOSITIONS
Hubert G. Guy, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 19, 1947, Serial No. 787,027
18 Claims. (Cl. 167—31)

1. A bactericidal composition containing as an essential active ingredient an unsubstituted higher molecular weight phenol of the benzene series having at least one hydrocarbon substituent containing at least 3 carbon atoms in synergistic combination with methyl naphthalene at least 25% of which is the alpha isomer in the proportions of from 0.5 to 4 parts of methyl naphthalene for each part of phenol, said composition having a phenol coefficient substantially greater than the aggregate of the individual ingredients thereof.

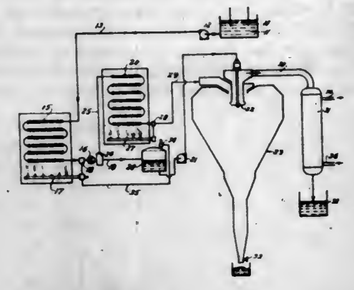
2,572,856
AUTOMATIC ELECTRIC CORD TENSIONER
Alfred C. Hallberg, Portland, Oreg.
Application July 31, 1945, Serial No. 607,995
1 Claim. (Cl. 242—107)



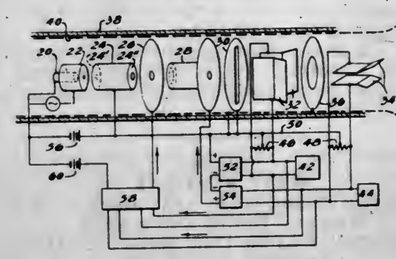
A lamp support consisting of a hollow base, a platform disposed within the base and forming a seal therefor, a vertical shaft rotatably mounted through the platform, a reel rotatably mounted on said shaft, an aperture formed through the wall of the base, an apertured spong rubber plug secured within said aperture, a cord of greater diameter than the aperture in said plug wound about said reel and extending out through said apertured plug and terminating in an electric plug connection, a coil spring having one of its ends secured to the shaft and its opposite end secured to the reel, means for rotating said shaft independently of the reel for increasing or decreasing the tension of said spring, means formed on the underside of the platform for locking the shaft turning means in any of its tension applying positions.

2,572,857
METHOD AND APPARATUS FOR SPRAY DRYING
Joseph M. Hall and Herbert E. Tucker, Chicago, Ill., assignors to Drying & Concentrating Company, a corporation of Delaware
Application August 4, 1948, Serial No. 42,504
5 Claims. (Cl. 159—48)

1. The process of concentrating and drying liquids which consists in subjecting the liquid to heat and pressure, reducing the pressure of the liquid to a point sufficient to cause some of the liquid to vaporize, superheating the vapor thus formed, and then subject the remaining liquid concentrate to intimate contact with said superheated vapor by spraying said concentrate into an atmosphere of such vapor.



2,572,858
ELECTRON OPTICAL SYSTEM
Shirley W. Harrison, Jackson Heights, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application April 29, 1949, Serial No. 90,343
9 Claims. (Cl. 315—1)

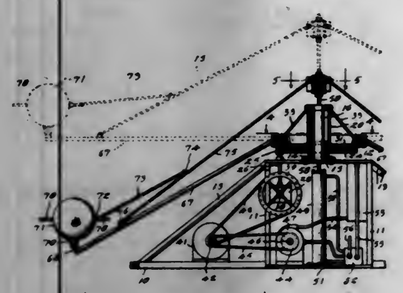


1. A cathode-ray device comprising a target, means for forming and projecting an electron beam along a given path toward said screen, horizontal and vertical deflecting electrodes, beam-deflection power supplies connected separately to said deflecting means for causing the beam to scan substantially the entire target, said beam inherently being defocused incidental to deflection by said horizontal and vertical deflection electrodes, said beam-forming and projecting means incorporating a corrective electron lens system including spherical focusing means and a single cylindrical lens component, and coupling and shaping circuits between both said beam-deflection power supplies and said cylindrical lens component and said spherical focusing means for compensating for the deflection defocusing of the electron beam.

2,572,859
ELEVATING ROUNDABOUT
Ellis C. Hall, Jackson, Miss., assignor to Carl J. Sedlmayr and Carl J. Sedlmayr, Jr., both of Tampa, Fla.
Application August 13, 1947, Serial No. 768,438
1 Claim. (Cl. 272—7)

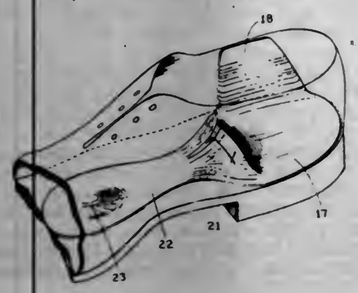
In combination with an amusement device including a frame, a lower hub revolubly and centrally mounted upon said frame, a shaft extend-

ing vertically and slidably through said lower hub, means for raising and lowering said shaft, a series of booms extending radially from said lower hub and pivotally connected to said lower hub for vertical swinging movement and a car extending transversely of each boom and having its bottom pivoted to the outer end of said boom for tilting movement longitudinally of said boom, the provision of an upper hub revolubly mounted



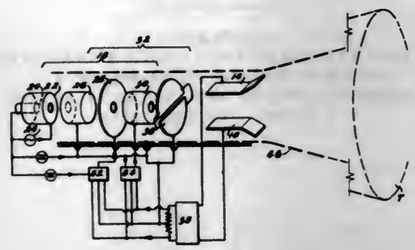
upon the shaft adjacent the upper end of said shaft, outwardly extending brackets affixed to said upper hub, a rod over each of said booms each having its inner end pivoted to one of said brackets and its outer end pivoted to its associated boom inwardly of the car carried by said boom, and a link pivotally connected to each car at its inner side and pivotally connected with its associated rod at a point inwardly of the pivotal point between said rod and its associated boom.

2,572,860
FOOT SUPPORT
Herbert E. Hipps, Waco, Tex., and Eugene J. Kupjack, United States Navy
Application May 23, 1946, Serial No. 671,717
7 Claims. (Cl. 36—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



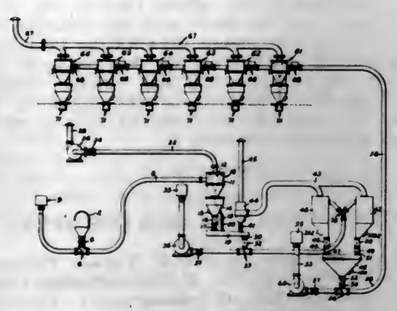
1. A flexible resilient orthopedic foot device comprising a heel portion inclined upwardly and graduated in thickness from the rear forwardly and culminating in a transverse ridge under the anterior portion of the os calcis, and a connected tongue with a gradually raised and rounded crown spaced from the ridge, said tongue including a reduced neck tapering and decreasing in height from the ridge forwardly and gradually rounded upwardly from the neck to the top of the crown.

2,572,861
DEFLECTION SYSTEM FOR CATHODE-RAY TUBES
Rudolf G. E. Hutter, Flushing, N. Y., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application June 3, 1947, Serial No. 752,157
25 Claims. (Cl. 315—15)



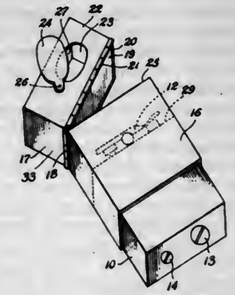
1. A cathode-ray device having a cathode for providing an electron stream, a target, means for causing transverse deflection of the electron stream across said target, electrodes forming said stream into a beam and additional electrodes establishing electrically variable spherical and cylindrical electron lenses providing a substantially fixed straight-line electron path between said cathode and said deflection means and effective when energized to variably control the focus of the beam and to extend the focus in non-circular symmetry as a function of the stream deflection said electrodes including a final electrode disposed in advance of the deflection means which electrode can be connected to a fixed potential point as others of said electron lens electrodes are varied in potential.

2,572,862
PNEUMATIC CONVEYING SYSTEM AND METHOD
John J. Israel, Merrick, N. Y.; Ray S. Israel, administratrix of said John J. Israel, deceased, assignor to Ray S. Israel, Merrick, Long Island, N. Y.
Application February 13, 1947, Serial No. 728,222
28 Claims. (Cl. 302—28)



1. In a system for handling bulk products, the combination of, receiving means to receive the incoming product, a plurality of product-receiving units positioned respectively at remote stations, a pneumatic conveying system to carry the product from said receiving means to any one of said remote stations and including a plurality of conduits and means to pass streams of air having the product entrained therein through said conduits and a plurality of product-separating units there being a unit operative to separate the product from the air flowing from each conduit forming a path for the product entrained in a stream of air, sifter means at a sifting station to sift the product after it is received by said receiving means and prior to delivery to any of said product-receiving units, and weighing means including scale hopper means positioned to receive the product after it passes through said sifting means and prior to delivery to any of said product-receiving units.

2,572,863
COMBINED CIGARETTE LIGHTER AND ASH RECEIVER
Willard E. Jaap, Cincinnati, Ohio
Application April 28, 1948, Serial No. 23,701
3 Claims. (Cl. 206—38)

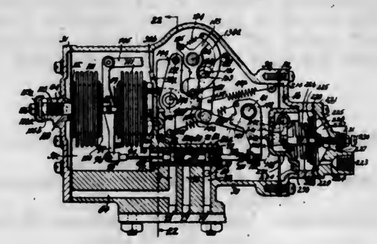


2. In combination with a lighter having an elongated case and a flame-producing device carried at one end of the case, a sleeve slidable over said case lengthwise of said case, a hollow box shaped receiver member having the same cross section as the sleeve, said receiver member having an open mouth and being hinged along an edge of the open mouth to an edge of the sleeve and being disposable in registry with the sleeve with sides of the receiver member in alignment with sides of the sleeve, the open mouth of the receiver member being adapted to face the flame-producing device when the sides of the receiver member are in alignment with the sides of the sleeve, said sleeve being disposable with the hinge edge in alignment with the end of the case carrying the flame-producing device, whereby the receiver member is adapted to form a cover for the flame-producing device, the receiver member being swingable about the hinge to reveal the flame-producing device, and a lid hinged to a second edge of the mouth of the receiver member and adapted to close the open mouth of the receiver member, said sleeve being disposable with the hinge end of the sleeve encircling the flame-producing device, whereby the sides of the receiver member may be aligned with the sides of the sleeve when the lid is closed, the lid being disposable along a side of the receiver member when the receiver member forms a cover for the flame-producing device.

2,572,864
PINE-GUM ROSIN DDT INSECTICIDE COMPOSITIONS
W. T. Sumerford and Jens A. Jensen, Atlanta, Ga., assignors to the United States of America as represented by the administrator, Federal Security Agency
No Drawing. Application June 30, 1949, Serial No. 102,441
1 Claim. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An insecticidal concentrate consisting essentially of a xylene solution of DDT and between 25 and 50 percent of pine-gum rosin, based on DDT content.

2,572,865
ENGINE PRESSURE REGULATOR
Clarence H. Jorgensen and Lawrence C. Dermond, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 4, 1946, Serial No. 667,442
11 Claims. (Cl. 123—103)

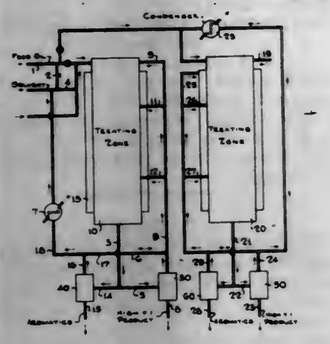


1. A pressure regulator for supercharged internal combustion engines comprising a device responsive to engine intake pressure, a pressure selecting cam, a cam follower, apparatus under joint control by the device and the cam follower for so adjusting an engine intake throttle valve as to maintain a selected pressure, a main control member for moving the cam into various positions of pressure selections according to a predetermined normal schedule of positions of the control member and pressures, means for effecting, as the cam is moved by the main control member, movement of the cam laterally relative to its direction of movement by the member whereby a modified schedule of pressure selections is obtained and a mechanism for rendering said means operative or non-operative.

2,572,866
METHOD OF IMPROVING LUBRICATING OIL BY ADSORPTION ON SILICA GEL
Insley P. Jones, Oldwick, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 18, 1947, Serial No. 792,519
4 Claims. (Cl. 196—147)

1. A silica gel lubricating oil treating process in which lubricating oil diluted with a paraffinic hydrocarbon containing from about 3 to 10 carbon atoms and boiling in the range of about 100 to 300° F. is substantially adsorbed on silica gel by contact therewith, subsequent to said contacting washing the silica gel and adsorbed oil components with said paraffinic hydrocarbon whereby paraffinic and naphthenic constituents of high viscosity index are desorbed from the silica gel,

fractionating high viscosity index constituents from the wash paraffinic hydrocarbon by distillation removing the said paraffinic hydrocarbon as an overhead product, and thereafter recycling



said overhead product to the said silica gel contacting the silica gel in liquid phase at about the boiling point of the paraffinic hydrocarbon, whereby the said silica gel is regenerated.

2,572,867

RODENTICIDE COMPRISING FLUOROACETPHENYLHYDRAZIDE

Leonard Karel, Silver Spring, and Benjamin Witten, Baltimore, Md.

No Drawing. Application February 25, 1949, Serial No. 78,454

1 Claim. (Cl. 167—46)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A rodenticide comprising a mixture of corn meal and fluoroacetphenylhydrazide that contains approximately 1% of fluoroacetphenylhydrazide.

2,572,868

PROCESS FOR RESOLVING EMULSIONS

Willard H. Kirkpatrick, Sugar Land, Tex., assignor to Visco Products Company, Houston, Tex., a corporation of Delaware

No Drawing. Application December 28, 1948, Serial No. 67,753

5 Claims. (Cl. 252—341)

5. A process for breaking a water-in-oil emulsion which comprises mixing such an emulsion with the product of the reaction between: (*a*) an intermediate dehydrated acylated triethanolamine made by heating tallol with an alkanolamine comprising essentially triethanolamine at temperatures within the range of 130 degrees C. to 300 degrees C. in proportions corresponding to a molar excess of triethanolamine over the carboxy acids of said tallol in the range of 100% to 600% with the removal of water from the product in an amount equivalent to 200% to 600% of the quantity theoretically formed by complete acylation of the carboxy groups of the carboxy acids in said tallol, and (*b*) phthalic anhydride, the reaction between the intermediate molecularly dehydrated acylated triethanolamine and the phthalic anhydride being effected at temperatures within the range of 50 degrees C. to 200 degrees C. and said reaction being carried out until said reaction product increases in viscosity but being discontinued prior to gelation.

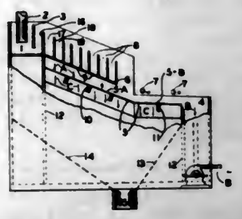
2,572,869

SCREENING APPARATUS

Wilbur E. Koonce and Charles F. Story, Laurel, Miss., assignors to Masonite Corporation, Laurel, Miss., a corporation of Delaware

Application October 11, 1948, Serial No. 53,966

4 Claims. (Cl. 210—150.8)



1. Apparatus for reclaiming usable fiber from the effluent resulting from reducing the water content of fibrous stock for making fiber board and paper, which comprises a feed supply means; fiber removal means positioned forward and below the supply means; a fixed screen extending from the supply means to the removal means, said screen presenting an inclined surface portion adjacent to the supply means and a substantially horizontal surface portion adjacent to the removal means; a feed diffuser means above said inclined portion of the screen in spaced-apart and substantially parallel relationship therewith and extending from the supply means, said diffuser means including a composite unit of a series of interconnected troughlike compartments having imperforate side walls and having perforations in the bottom thereof and extending across the upper part of said inclined portion of the screen, said compartments having a greater depth than width and being so arranged as to allow the feed to overflow from one compartment to the succeeding compartment and flow through the bottom perforations of each compartment to diffuse the feed over a substantial area of the inclined portion of the screen under substantially equal head pressure; and sprays positioned above said substantially horizontal portion of the screen.

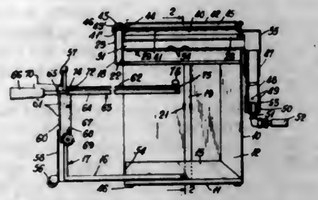
2,572,870

BROILER

Walter Kennedy, Cliffside Park, N. J.

Application November 20, 1947, Serial No. 787,239

9 Claims. (Cl. 99—339)



1. An appliance of the character described, comprising a box-shaped casing, a radiant heating unit in the upper portion of said casing, a food supporting unit mounted for sliding movement into and out of said casing, said last-named unit comprising a frame having a wall for closing the front of the casing, a food supporting element adjustable in the frame, said wall of the food supporting unit having a vertically arranged portion, said element slidably engaging

said portion, and said element and vertical portion having interengaging means for supporting the element in different raised positions on said wall and with respect to said radiant unit.

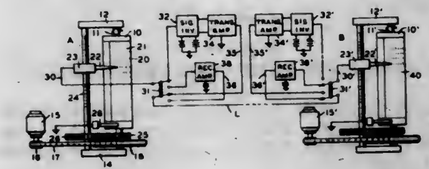
2,572,871

FACSIMILE TRANSMITTING MEANS AND METHOD OF USING SAME

Bernard L. Kline, Manhasset, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application January 31, 1948, Serial No. 5,568

9 Claims. (Cl. 178—5)



1. In the art of facsimile transmission, the method of producing facsimile message signals which comprises forming the characters of the message by transferring to selected elemental areas of the surface of a transmitting blank that is made conductive a composition having an electrical resistance substantially higher than the resistance of said blank to provide characters of relatively high electrical resistance on a conductive background, scanning the transmitting blank with an electrical stylus, and causing facsimile signals to be transmitted in accordance with the difference in resistance between that of the characters scanned by said stylus and that of the unmarked conductive background.

2,572,872

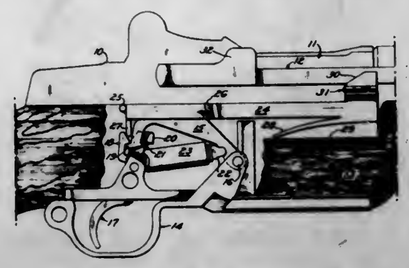
ATTACHMENT FOR CONVERTING SEMI-AUTOMATIC FIREARMS TO FULL AUTOMATIC

Stanley J. Ketterer, St. Louis, Mo.

Application October 8, 1948, Serial No. 53,578

1 Claim. (Cl. 89—140)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In an automatic firearm having a bolt operating element reciprocable between a battery position and a recoil position, in combination, a spring pressed hammer pivotally mounted in the firearm for movement between a cocked position and a fired position, a trigger pivotally mounted in the firearm, said trigger having a lug to yieldingly hold said hammer in the cocked position when said trigger is in an unpulled position, a sear pivotally mounted to said trigger and engageable with said hammer in the pulled position of said trigger, a lever member pivotally mounted on the firearm, said lever member having a depending arm for contacting said sear, cam means on said lever member normally projecting upwardly into the path of the bolt operating element for contact thereby during movement into battery position whereby said lever member is pivoted so that said depending arm thereon moves said sear to release said hammer from the cocked position thereof, spring means operating on said lever member to return said cam means into the path of travel of said bolt operating element upon recoil movement thereof, and means for pivotally mounting said cam means on said lever member for selective movement into and out of the path of travel of the bolt operating element.

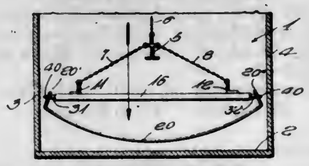
2,572,873

RETRACTABLE PINTLE RIG FOR LAYING SHEET METAL FLOORING

Leo C. Luke, Evansville, Ind., assignor to International Steel Company, Evansville, Ind., a corporation of Indiana

Application December 31, 1948, Serial No. 68,695

5 Claims. (Cl. 294—93)



5. A rig for laying sheet flooring comprising a horizontally extending frame structure, including a plurality of spaced coplanar frame members each having linear dimensions appreciably less than the lateral and longitudinal dimensions of the base structure on which the sheet flooring is applied, said frame members terminating in laterally extending tubular portions, slidable pintle members carried in said tubular portions, said pintle members each having a pin projecting therefrom for engagement through apertures in the side walls of a metallic sheet constituting the flooring for suspending said metallic sheet in a catenary adapted to be deposited on the base structure and automatically detached from said pins as the catenary portion of said sheet is laid on the base structure and the side walls of said metallic sheet angularly moved upwardly and outwardly to a position drawing the slidable pintle members to a position for disengaging the apertured side walls of said flooring from said pins.

2,572,874

ADJUSTABLE AUXILIARY SEAT ASSEMBLY

Edgar W. MacKnight, San Leandro, Calif.

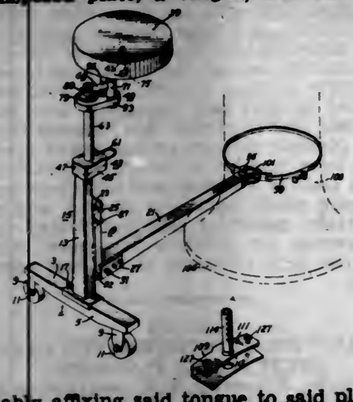
Application April 13, 1949, Serial No. 87,277

5 Claims. (Cl. 155—81)

1. A seat assembly comprising, a wheel truck, a standard extending upwardly from said wheel truck, a seat supported on said standard, a bracket carried by said standard, a tongue connected at one end to said bracket, and pivot means for pivotally anchoring said tongue at its other end to a portion of a dental or similar chair, said pivot means including a pivot post having a clamp loosely connected to an end of said pivot post for anchoring the same to the edge of the base of such chair.

5. A seat assembly comprising, a wheel truck, a standard extending upwardly from said wheel truck, a seat supported on said standard, a brack-

et carried by said standard, and including a vertically disposed plate, a tongue, and means for



adjustably affixing said tongue to said plate for elevational adjustments.

2,572,875
PENCIL SHARPENER
Edwin J. Markvart and Andrew P. Solem, Rockford, Ill., assignors to Spengler-Loomis Manufacturing Company, Rockford, Ill., a corporation of Illinois
Application February 21, 1949, Serial No. 77,562
16 Claims. (Cl. 120—96)



1. A pencil sharpener comprising a support, a head rotatably mounted on said support, a pair of diametrically opposed substantially cylindrical milling cutters carried by said head with their cutting faces in converging relationship to form a tapered space between said cutters, said cutters being of sufficient length and disposed close enough together to perform the whole sharpening operation on a pencil, and an elongated stop plate of rectangular form guided by its longitudinal edge portions in grooves provided therefor on said head for endwise movement substantially axially thereof in a plane between the converging ends of said cutters, the inner end portion of which plate is arranged to project into the small end of the tapered space between the cutters and has a flat end face for abutment with the tip of a pencil point.

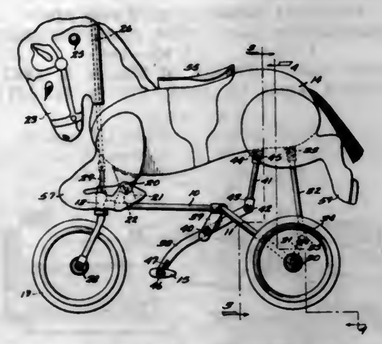
2,572,876
POLYMERIZATION OF AN ALKOXY HYDROCARBON SILANE BY OXIDATION
John B. Rust, Montclair, and Charles A. MacKenzie, East Orange, N. J., assignors, by direct and mesne assignments, of one-half to Montclair Research Corporation, a corporation of New Jersey, and one-half to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application October 23, 1945, Serial No. 624,098
14 Claims. (Cl. 260—2)

1. The method of preparing polymeric organo silicon derivatives which comprises heating at a temperature above 100° C. under non-aqueous conditions an alkoxy silane having from two to three alkoxy groups attached to silicon, any remaining unsatisfied silicon valence carrying a monovalent hydrocarbon group attached to silicon, there being at least one such monovalent hydrocarbon group attached to silicon, while blowing dry oxygen through the alkoxy silane maintained in liquid condition, the heat treatment including blowing and peroxide treatments, the blowing increasing the viscosity of the material undergoing treatment, the perioxide being used in catalytic amount, and the peroxide treatment not preceding the blowing treatment, the heat treatment producing a polymerized resinous product.

2,572,877
METHOD OF ADHERING VINYL RESIN SURFACES
Thomas C. Morris, Lexington, and Eric C. Johnson, Somerville, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application August 1, 1946, Serial No. 687,700
12 Claims. (Cl. 154—140)

1. The method which comprises coating a surface of a sheet of waterproof plasticized vinyl resin with a composition which consists of an aqueous dispersion of copolymerized butadiene and acrylonitrile synthetic rubber in which the acrylonitrile is from 10% to 50% of the copolymer, said latex containing an agent which increases the viscosity of the dispersion and containing a wetting agent, and removing water from the dispersion.

2,572,878
TOY HORSE
Chub Morgan, Palo Alto, Calif.
Application December 9, 1948, Serial No. 64,351
2 Claims. (Cl. 280—1.195)

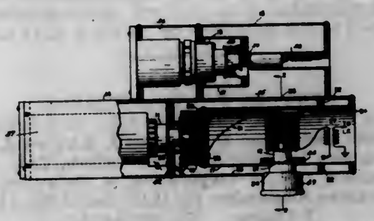


1. In a self propelled toy horse, the combination which comprises a frame having a longitudinally disposed centrally positioned bar having a yoke extended from one end and a vertically positioned hub on the other, a crank shaft journaled in the yoke, wheels mounted on the extended ends of the crank shaft, a front wheel yoke having a vertically disposed stem extended upwardly therefrom and journaled in the hub on the forward end of the centrally positioned bar, a clip extended downwardly from the connection between the end of the centrally positioned bar and yoke in which the rear wheels are carried, a lever pivotally mounted on the clip with one end extended forwardly and downwardly and the other extended upwardly and rearwardly, foot pedals positioned on the forward end of the lever, a link pivotally connected to the rear end of the lever, a link connected to an offset section of the crank shaft, a body having legs and a tail pivotally connected at spaced points to the said links of the lever and crank shaft respectively, a vertically disposed pin extended through the forward part of the said body, a head pivotally connected to the body by the vertically disposed pin, handles on the head, a flexible shaft connecting the lower end of the pin on which the head is positioned to the stem of the yoke in which the front wheel is mounted, and a pair of coacting clips mounted on the lower side of the forward end of the body and on the forward end of the longitudinally disposed bar, respectively for pivotally mounting the body on the bar.

2,572,879
METHOD OF COLD BONDING PLASTICIZED RESIN SHEETS TO OTHER SURFACES
Thomas C. Morris, Lexington, and Eric C. Johnson, Somerville, Mass., assignors to B. B. Chemical Co., Boston, Mass., a corporation of Massachusetts
No Drawing. Application April 2, 1948, Serial No. 18,708
21 Claims. (Cl. 154—139)

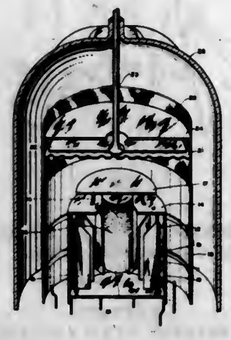
1. A method of cold bonding the surface of a continuous sheet of waterproof resin material plasticized with an ester plasticizer to a porous surface of a body which comprises coating at least one of the surfaces to be adhered with a latex comprising an emulsion copolymer of butadiene and acrylonitrile in which the acrylonitrile content is from 10% to 50% of the copolymer, and bringing the surfaces together.

2,572,880
HETERODYNE FREQUENCY CONVERTER
Leon Riebman, United States Navy
Application January 15, 1946, Serial No. 641,364
3 Claims. (Cl. 250—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination a section of coaxial line including inner and outer conductors, a first vacuum tube having at least cathode, grid and plate elements with annular contact rings attached thereto, means for longitudinally supporting said vacuum tube in one end of said coaxial line, means for capacitively coupling said plate to the inner conductor and means for connecting said grid to the outer conductor of said line; a second vacuum tube also having at least a cathode, grid and plate elements with annular rings attached thereto, means for transversely supporting said second vacuum tube in said line, means connecting the grid of said second vacuum tube to the inner conductor and the cathode of said second vacuum tube to the outer conductor of said coaxial line and output means connected to the plate of said second vacuum tube for receiving an output therefrom.

2,572,881
THYRATRON CATHODE DESIGN TO PREVENT CLEANUP OF HYDROGEN
Jerome Rothstein, Belmar, N. J.
Application April 22, 1946, Serial No. 663,856
8 Claims. (Cl. 313—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



7. A hydrogen-filled thermionic tube including a cathode, a metallic member, one portion of which is positioned near the electron emitting surface of said cathode, another portion extending beyond said cathode, a hydride of an alkaline earth metal supported by said member, one portion of said member being in heat-radiation-intercepting relationship with respect to said cathode, a baffle within said tube, joined to said metallic member to be beyond direct interception of said radiation, whereby a temperature gradient exists along said member, the range of said temperature gradient including the temperature for which the hydride is in equilibrium with the desired hydrogen pressure within said tube

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2,572,882
MORTAR SIGHT BRACKET AND SIGHT
Edgar C. Roberts, Arlington, Va., and George B. Davis, Jr., Washington, D. C., assignors to the United States of America as represented by the Secretary of War
Application July 2, 1947, Serial No. 758,699
2 Claims. (Cl. 33—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

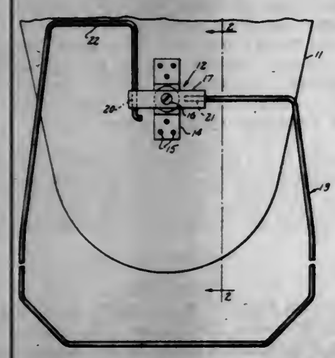
1. For use with a gun of the mortar type including means for supporting the barrel of said gun, a bracket secured to said gun supporting means, hub means pivotally mounted on said bracket for oscillatory movement about an axis parallel to the axis of said gun, screw adjusting means secured to said hub for effecting oscillation and adjustment of said hub about its axis, spring biased plunger means for maintaining said hub in fixed oscillated position, a telescopic sight mounted on said hub including a first cross level indicator responsive to actuation of said screw adjusting means, a second longitudinal level indicator mounted on said telescopic sight for adjustment about an axis normal to said hub axis, second screw adjusting means for leveling said longitudinal level indicator, where-

by actuation of said first screw adjusting means and said second screw adjusting means will re-



turn said telescopic sight to its original target after subsidence caused by firing.

2,572,883
IRONING BOARD WITH CLOTHES RACK
William D. Pollard, St. Louis, Mo.
Application July 15, 1947, Serial No. 761,031
3 Claims. (Cl. 38—106)



1. A clothes supporting attachment for an ironing board comprising a bracket disposed on the under side of said board and adapted to be secured thereto, a stud having one end supported on said bracket for rotational movement and having the other end projecting beyond said bracket, a swivel rod disposed transversely of the other end of said stud and mounted on the projecting portion of said stud for sliding movement therealong, said block being provided with a longitudinal bore extending inwardly from one end thereof and terminating at a point adjacent to and spaced from the other end of said block, the projecting portion of said stud extending through said bore and being provided with a transversely disposed aperture alignable with said bore in a select position of movement of said block along said projecting portion of said stud, and a clothes supporting means extending through said alignable longitudinal bore and said aperture for maintaining said block in said select position.

2,572,884
REDISPERSING AND COMPOUNDING RUBBER
Arthur Pollak, New York, and John J. Keilen, Jr., Forest Hills, N. Y., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 26, 1948, Serial No. 11,313
28 Claims. (Cl. 260—17.5)

1. In the manufacture of shaped and cured rubber articles the steps of preparing a mixture of a latex of a rubbery butadiene 1,3 polymer and a reinforcing agent including lignin, acid precipitating said mixture and obtaining a coprecipitate of said polymer and reinforcing agent in which said polymer is in the form of wet substantially non-coalescent particles, separating same from the attendant solution to yield a wet mass which is substantially free from acid and water soluble material and in which said polymer particles are still substantially non-coalescent, dispersing rubber compounding agents in said mass to yield an aqueous dispersion containing the polymer, reinforcing agent and rubber compounding agents, and drying the dispersion so formed.

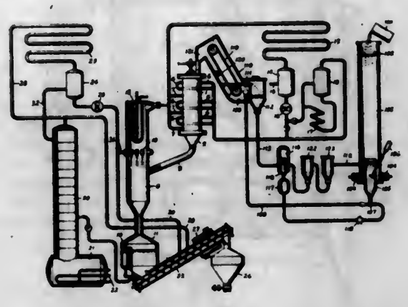
2,572,885
CERTAIN POLYOL ETHERS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application September 28, 1949, Serial No. 118,414
7 Claims. (Cl. 260—611)

1. At least one cogeneric mixture of a homologous series of glycol ethers of beta-terpineol; said cogeneric mixture being derived exclusively from beta-terpineol, glycide, ethylene oxide and propylene oxide by reaction thereof in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the truncated trapezoidal pyramid identified as E, F, G, H—I, J, K, L in Figure 4 of the drawings, with the proviso that the percentage of glycide is within the limits of 2% to 25% by weight and that the remaining three initial reactants, recalculated to a 100% basis, lie approximately within the trapezoidal area defined approximately in Figure 3 of the drawings by points 8, 9, 10 and 11.

2,572,886
CERTAIN POLYOL ETHERS
Melvin De Groote, University City, and Arthur F. Wirtel and Owen H. Pettingill, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application September 28, 1949, Serial No. 118,412
7 Claims. (Cl. 260—611)

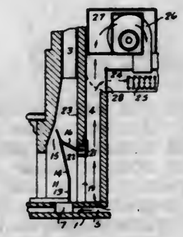
1. At least one cogeneric mixture of a homologous series of glycol ethers of alpha-terpineol; said cogeneric mixture being derived exclusively from alpha-terpineol, glycide, ethylene oxide and propylene oxide by reaction thereof in such weight proportions so the average composition of said cogeneric mixture stated in terms of initial reactants lies approximately within the truncated trapezoidal pyramid identified as E, F, G, H—I, J, K, L in Figure 4 of the drawings, with the proviso that the percentage of glycide is within the limits of 2% to 25% by weight and that the remaining three initial reactants, recalculated to a 100% basis, lie approximately within the trapezoidal area defined approximately in Figure 3 of the drawings by points 8, 9, 10 and 11.

2,572,887
SOLID-LIQUID REACTION PROCESSES
Robert Stanton, Denver, Colo.
Application May 29, 1948, Serial No. 30,090
8 Claims. (Cl. 260—437)



1. A process for the preparation of organometallic compounds which comprises contacting a liquid organo-reactant with a friable solid metal reactant in coarsely divided form, the mixture of said reactants tending to form a shielding coating on said solid interfering with efficient reactive contact of the reactants, while subjecting said solid reactant to intense mechanical stress between relatively moving solid surfaces and maintaining the liquid reactant under a very high pressure gradient between said solid surfaces, under reaction temperature and pressure conditions, whereby the chemical reaction is intensified and fresh reactant surfaces are maintained, and separating organo-metallic compound product from unreacted organo-reactant and from the residue.

2,572,888
HEATING AND VENTILATING SYSTEM
Jack Stein, Dayton, Ohio
Application June 15, 1944, Serial No. 540,458
5 Claims. (Cl. 237—51)



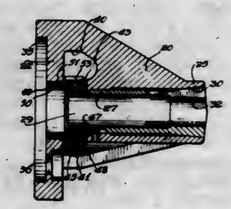
4. A house heating system, including a fireplace, a heat conductive unit dividing the fireplace into a combustion compartment and a hot air compartment, a chimney for the discharge of combustion gases from said combustion compartment, a discharge duct leading from said hot air compartment to the interior of the house, a vertical wall in said fireplace in part defining said chimney and said duct, a mounting for said heat conductive unit in said vertical wall providing for expansion and contraction of said unit, and ducting to supply said hot air compartment with recirculated air from the interior of the house.

2,572,889
ARTICLE CARRYING LANYARD
Joel R. Strykower, Philadelphia, Pa.
Application September 7, 1950, Serial No. 183,626
11 Claims. (Cl. 224—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An article carrying lanyard, comprising article carrying means including a portion providing an eye, an elongated flexible member having an end secured to said eye, said flexible member being doubled on itself to provide a bight at the lanyard end remote from said means and a doubled portion between said bight and said means, a lanyard length adjusting keeper slidable on said doubled portion, said flexible member having an end portion doubled on itself through said eye, and said end portion having an end connected to said keeper to provide a bight of adjustable size, whereby to adjust the length of said lanyard and to provide a tripled flexible member portion between said keeper and said means.

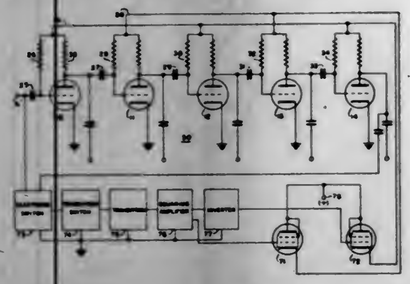
2,572,890
EXTENDED COLLET HOLDER FOR MILLING MACHINE DIVIDING HEADS
Joseph W. Serafin, Chicago, Ill.
Application January 25, 1950, Serial No. 140,379
4 Claims. (Cl. 279—52)



4. An extended collet holder for a rotary support comprising a base attachable in forward relation to the support, and a forward projection of the base centered on the axis of the support, said projection being formed as a socket for the collet, said socket having a rear abutment spaced from the base, the threaded shank of the collet extending rearwardly from said abutment, a nut between the latter and the base adapted to thread on said shank and operable to adjust the collet, and means to center the nut in relation to the support, such means compris-

ing a ring in said base centered with the support, the ring projecting with its forward end into an annular groove in the rear face of the nut.

2,572,891
TIMING CIRCUIT
Carl H. Smith, Jr., Arlington, Va.
Application May 3, 1945, Serial No. 591,771
2 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



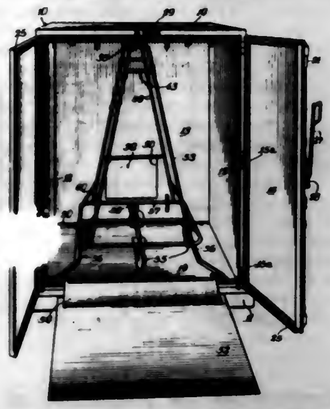
1. A timing circuit comprising a series of tubes, each of said tubes having at least a plate, a cathode, and a control grid, separate capacitance means coupling the output of each of said tubes to the input of the next succeeding tube in said series, means producing a pair of alternating supply voltages, which are arranged so as to alternate in phase opposition, and separate resistance means connecting both the grid and plate of alternate tubes in said series to one of said plate-supply voltages and the grid and plate of the remaining tubes in said series to the other of said plate-supply voltages.

2,572,892
OXIDATION OF OLEIC ACID
Daniel Swern and Hogan B. Knight, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 29, 1949, Serial No. 107,625
4 Claims. (Cl. 260—406)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

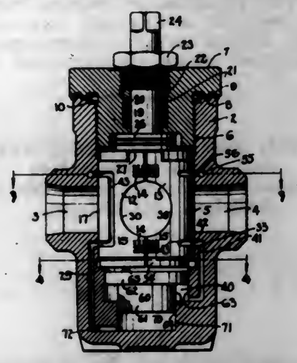
1. A process of producing 9,10-dihydroxystearic acid comprising contacting oleic acid, dissolved in about twice its weight of acetic acid containing an amount of cobalt acetate corresponding to at least 0.25% of cobalt on the basis of the oleic acid, with a free oxygen-containing gas at a temperature of about from 50° to 100° C., thereby converting the oleic acid to oxidation products containing 9,10-dihydroxystearic acid in admixture with monocarboxylic and dicarboxylic aliphatic acids having an average chain length of about nine carbon atoms.

2,572,893
PRESETTING CABINET
Henry Richter, Kankakee, Ill., assignor to Paramount Textile Machinery Co., Kankakee, Ill., a corporation of Illinois
Application August 27, 1947, Serial No. 770,826
10 Claims. (Cl. 223—76)

1. In presetting apparatus of the class described, a cabinet, means in said cabinet for supporting fabric articles, means for introducing steam into said cabinet, means for thereafter exhausting said steam from said cabinet, means for automatically determining the duration of the introduction of steam, the duration of the exhaust and the interval between the introduction of steam and the exhaust, a signal, and means for automatically actuating said signal a predetermined interval after the termination of the exhaust.



2,572,894
LUBRICATED PLUG VALVE
Alexander S. Volpin, Houston, Tex.
Application August 24, 1945, Serial No. 612,445
9 Claims. (Cl. 251—93)



1. A lubricated plug valve comprising, a body, a valve chamber therein, a flow passage in the body across said chamber, a plug rotatable in said chamber to open or close the passage, a passage port at each side of said chamber, separate distribution grooves for each of said ports, an inlet fitting to force sealing material into each of said grooves, a pair of sealing material reservoirs in said body each of which is connected to one of said grooves, and a single member slidable in said chamber in response to line pressure thereon to force sealing material from both of said reservoirs.

2,572,895
SAFETY SUB JAR ASSEMBLY
Kenneth Edward Waggener, Brea, Calif.
Application February 21, 1947, Serial No. 729,915
4 Claims. (Cl. 255—27)

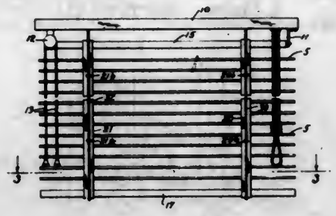
1. A safety-joint well tool comprising, in combination, a cylindrical mandrel provided at its lower end with circumferentially spaced first splines each having at its upper end a downwardly extending smaller second spline attached thereto and spaced therefrom, the portion interconnecting said first and second splines having a downwardly extending transverse cam face formed thereon, a tubular barrel member telescopically and rotatively mounted on said mandrel and having key members formed on its lower end and projecting inwardly and slidably fitting in the spaces between the splines, whereby each of said key members is rotated by said barrel member into registry with the space between a first and a second spline, the upper surface of said key members having a complementary cam face to engage with the said transverse cam face and suspend the mandrel from the barrel member during operation of the tool in a well hole, releasable locking means at the upper end of



the mandrel yieldably urging said key members upwardly and releasably locking the barrel to said mandrel, said means comprising a collar fixedly connected to said barrel member and having a series of downwardly extending and inwardly converging spring latch members integral therewith, the lower ends of the latch members being bevelled downwardly and outwardly, said mandrel having on its upper portion a latch tripping cam face on which said latch ends engage, said mandrel and said barrel member having cooperative anvil and hammer faces respectively formed thereon, said hammer face impacting upon said anvil face when sufficient downward pressure is applied to said barrel member to overcome the resistance of the latch members on the latch tripping cam face of said mandrel and to move the latch members outwardly to allow for downward movement of said barrel member on said mandrel.

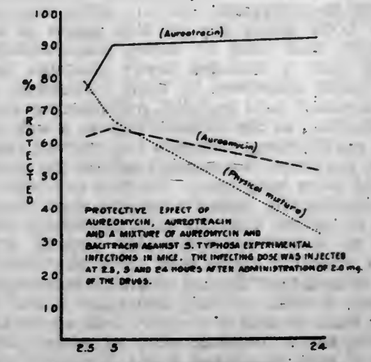
2,572,896
VENETIAN BLIND
Brooks Walker, Piedmont, Calif.
Application March 20, 1950, Serial No. 150,640
2 Claims. (Cl. 160—168)

1. In a Venetian blind having slats, ladder tapes, and at least two lifting cords for raising said blind, said lifting cords being located at the outside of the side members of said ladder tape, one at the front of the blind and another at the rear of the blind, said lifting cords being guided by members through which said lifting cords may slide, said members being located between said slat stations and attached to the side members



of said ladder tape where the side members of said ladder tape fold outwardly away from said slats during the lifting operation.

2,572,897
PROCESS OF PRODUCTION OF AUREOTRACIN, A COMPOUND OF AUREOMYCIN AND BACITRACIN
Henry Welch, Silver Spring, Md., assignor to the United States of America
Application June 13, 1949, Serial No. 98,870
1 Claim. (Cl. 167—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

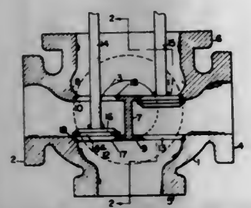


A process for the preparation of aureotracin which comprises reacting in solution about one part of aureomycin with about twenty parts of bacitracin, and separating and recovering the formed precipitate.

2,572,898
INSECTICIDAL COMPOSITION COMPRISING NICOTINE SULFATE AND 4,4'-DICHLORODIPHENYL SULFIDE
Charles F. Woodward, Abington, Pa., and Elmer L. Mayer, Yorba Linda, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application February 18, 1949, Serial No. 77,266
2 Claims. (Cl. 167—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

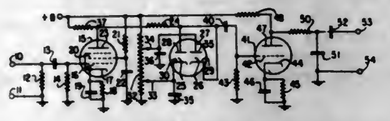
2. An insecticidal composition comprising nicotine sulfate and 4,4'-dichlorodiphenyl sulfide as synergist therefor.

2,572,899
VALVE
Sol B. Wiczer, Washington, D. C.
Application February 23, 1945, Serial No. 579,378
1 Claim. (Cl. 277—13)



A four way valve having two inlets and two outlets symmetrically disposed about a valve body to have the centers thereof lying in a single plane, said inlets and outlets being integrally interconnected by rounded outwardly bulging valve body walls adapted to minimize fluid turbulence by passage of fluid therethrough, a pair of partitioning walls separated from each other a sufficient distance to define therebetween valve chambers, said partitioning elements being parallel to and symmetrically disposed both above and below said plane of inlets and outlets in the central area of the valve body, said centrally parallel partitioning elements terminating at one side in a wall joining both partitioning elements and curved from the lower partition upwardly to integrally join the outer wall of said valve body above one of said inlets or outlets, whereby said inlet or outlet communicates directly with a rounded lower chamber beneath said valve chambers in fluid turbulence reducing manner, said parallel partitioning elements terminating at the opposite side in a wall joining both partitioning elements and curved from the upper partition downwardly to join the outer wall of said valve body below the inlet or outlet which is diametrically opposite to said first mentioned inlet or outlet, whereby said oppositely disposed inlet or outlet communicates directly with an upper chamber above said valve chambers, both ends of said partitioning elements being open and passing directly to and integrally joined to the outer walls of said valve body both above and below the two remaining inlets or outlets whereby each of said remaining inlets or outlets communicate directly with the valve chambers formed between said partitioning elements, a third partitioning element centrally and vertically mounted in said valve chamber integrally joined to the parallel partitioning elements and curved sidewalls to separate the same into two co-planar and contiguous valve chambers centrally disposed of said valve body and communicating directly each with a valve inlet or outlet, two pairs of vertically aligned valve ports in said parallel partitioning elements each pair being disposed in vertical alignment on opposite sides of said vertical partitioning element, two poppet valves each mounted separately to reciprocate vertically, the inner end of each stem extending through an upper valve port for reciprocation between aligned valve ports, the outer ends of said stems extending through the upper chamber of said valve body, a pair of circular valve closure discs each mounted on the inner end of a valve stem, both sides of each of said discs being shaped to seat alternatively on the upper and lower valve ports within the said valve chambers, each to close one port while opening the other, whereby fluid flow through each of the valve chambers tends to press the valve closure into secure valve closing position, and means for simultaneously reciprocating both valve stems, each in an opposite direction to the other.

2,572,900
AUDIO COMPRESSION SYSTEM
Marion R. Winkler, La Grange Park, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application March 22, 1948, Serial No. 16,331
19 Claims. (Cl. 332—18)



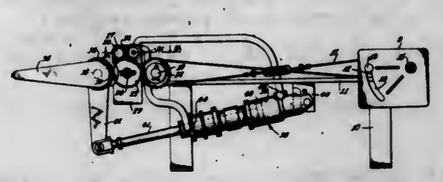
1. In a phase modulating system in which the deviation of the carrier wave depends upon both the frequency and the amplitude of the modulating signal, the method of preventing over-modulation of said carrier wave which comprises the steps of, differentiating said modulating signal, limiting the amplitude of said differentiated wave with respect to the axis thereof, and integrating said amplitude limited wave.

2,572,901
FUSE LINK
Edward H. Yonkers, Glencoe, Ill., assignor to Joslyn Manufacturing and Supply Corporation, Chicago, Ill., a corporation of Illinois
Original application April 26, 1947, Serial No. 744,061, now Patent No. 2,453,397, dated November 9, 1948. Divided and this application September 25, 1948, Serial No. 51,236
6 Claims. (Cl. 200—135)



1. A fuse link adapted for support between a pair of supporting elements which are biased for relative movement away from each other, comprising a tubular metal casing having an open end and a closed end, a terminal conductor electrically and mechanically connected to said casing and extending away from the closed end thereof, for connection to one of said supporting elements, an expulsion tube closely embracing said casing and extending away from the open end of said casing, said expulsion tube forming a unitary part of said fuse link, a second terminal conductor adapted for connection to the other of said supporting elements and extending into said expulsion tube, and fusible means disposed within said casing and serially connected between the inner end of said second terminal conductor and said casing.

2,572,902
PRESSURE FLUID TYPE FOLLOW-UP SERVOMOTOR
Benjamin N. Ashton, Kingston, N. Y., assignor to Electrol Incorporated, Kingston, N. Y., a corporation of Delaware
Application May 15, 1944, Serial No. 535,597
3 Claims. (Cl. 121—41)

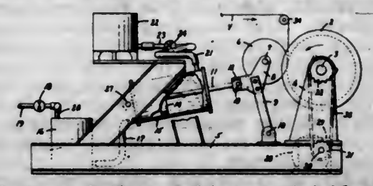


1. A remote control mechanism, comprising a reversible hydraulic motor, a selector valve mechanism connected to said motor having a cam shaft member rotatably in one direction from a neutral position to supply liquid to said motor to drive it in one direction, and rotatably in the opposite direction from a neutral position to supply liquid to said motor to drive it in the opposite direction, said cam shaft member in neutral position controlling said valve to shut off the supply of liquid to and discharge of liquid from said motor, a shaft fixed to said cam shaft member in axial alignment therewith, a plate fixed to said shaft, said plate having staggered communicating recesses in opposite sides thereof to provide an opening through said plate, a pair of differential gears rotatably mounted on said shaft on opposite sides of said plate, idler pinions rotatably mounted in said recesses and meshing with each other through said opening, each of said pinions meshing with one of said differential gears, a control member connected to one of said differential gears for rotating said plate and said cam shaft member out of said neutral position to start said motor, and means connecting said motor to the other differential gear for returning said plate and said cam shaft member to neutral position upon operation of said motor.

2,572,903
PHOTOGRAPHIC DEVELOPER CONTAINING THALLIUM SALTS
James E. Bates, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 30, 1947, Serial No. 783,224
3 Claims. (Cl. 95—88)

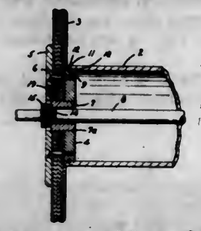
1. A photographic developer solution for the initial development of an exposed color reversal photographic element having at least one silver halide emulsion layer containing color formers which will couple with the oxidation product of a p-phenylene diamine developing agent to form the dye image which comprises metol, hydroquinone, and a soluble thallium salt, the latter being in the proportion of 0.01 to 0.1 gram of the thallium salt per liter of solution, said developer solution being incapable of reacting with the color formers.

2,572,904
APPARATUS FOR WINDING
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 6, 1946, Serial No. 660,221
18 Claims. (Cl. 28—38)



18. In a winding machine, a rotatable element for receiving a winding thereabout, a rotatable pressure roller adapted to bear against the winding periphery, means for mounting the element and roller for relative movement to vary the distance between their axes, constant pressure means for urging the roller periphery against the winding periphery, and hydraulic means for preventing relative movement of the roller and element toward each other during displacement by virtue of increasing diameter of winding on the rotatable element.

2,572,905
WARP BEAM
Ernest K. Bauer, Meadville, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application July 1, 1946, Serial No. 680,640
7 Claims. (Cl. 242—124)



1. A warp beam comprising a barrel formed of a one-piece tube and flange structures secured at the ends thereof, said flange structures each comprising a flange proper clamped between inner and outer reinforcing members, the inner reinforcing member having its outer periphery fitting snugly within the tube, approximately aligned annular grooves in the opposed surfaces of said inner reinforcing member and tube, an expansion ring disposed in said grooves for securing the tube to the flange structure, and each flange structure having a centrally disposed bearing adapted to receive a removable shaft.

2,572,906
IMPREGNATING COMPOSITIONS FOR INSULATING MATERIALS
Robert E. Berringer, Bloomfield, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application June 8, 1945, Serial No. 598,413
20 Claims. (Cl. 174—120)

1. An article of manufacture comprising a porous base impregnated with a composition comprising (1) a hydrolyzable ester selected from the group consisting of esters of aliphatic alcohols having up through five carbon atoms in the radical with acids of silicon, titanium and zirconium and their condensed esters, and (2)

an agent of the group consisting of crystalline acids and salts thereof which agent upon heating decomposes to release water for reaction with the ester, and (3) a film-forming organic binder serving as a protective coating and water barrier for the impregnant.

10. Electrical conductor having porous insulation thereabout, a saturant for the insulation of (1) a silicate of a monohydric alcohol having up through five carbon atoms in the radical, (2) oxalic acid, and (3) a film-forming organic binder serving as a protective coating and water barrier for the saturant.

16. Impregnating composition comprising an acetone solution of an ethyl silicate, oxalic acid and a vinyl copolymer.

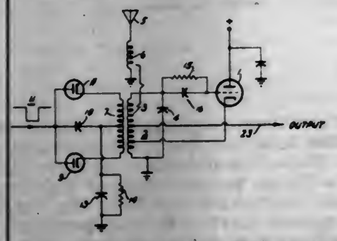
17. Method of treating a porous base which comprises impregnating the base with an anhydrous organic solvent solution of a composition of (1) a hydrolyzable ester selected from the group consisting of esters of aliphatic alcohols having up through five carbon atoms in the radical with acids of silicon, titanium and zirconium and their condensed esters, (2) an agent of the group consisting of crystalline acids and salts thereof which agent upon heating decomposes to release water for reaction with the ester and (3) a film-forming water-resistant organic binder soluble in the solvent, said composition serving upon heating to release water for reaction with the ester and deposit the oxide corresponding to the acid.

2,572,907

SUPERREGENERATIVE RECEIVER

William E. Bradley, Wyndmoor, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application April 6, 1946, Serial No. 660,037
5 Claims. (Cl. 250—20)



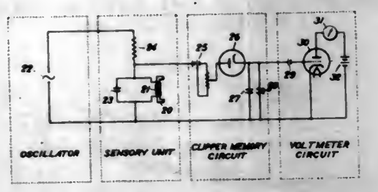
4. In a superregenerative receiver, a vacuum tube oscillator having a resonant tank circuit and being so constructed and arranged as to generate high frequency oscillations, means for applying to said oscillator a signal to be amplified therein, a pair of damping circuits coupled to said tank circuit by means capable of transferring high frequency oscillations from said tank circuit to said damping circuits, each of said damping circuits comprising a closed circuit presenting relatively low impedance to the flow of currents therein at frequencies of said high frequency oscillations, a unilaterally conductive device connected in series in one of said closed circuits and poled so as to conduct only in response to portions of cycles of said high frequency oscillations of a given polarity, a unilaterally conductive device connected in series in the other of said closed circuits and poled so as to conduct only in response to portions of cycles of said high frequency oscillations of opposite polarity, means for applying alternating control signals of relatively lower frequency to said devices to render them simultaneously alternately conductive and non-conductive thereby to control the damping of said tank circuit, and means for deriving output from said tank circuit.

2,572,908

THICKNESS GAUGE FOR MAGNETIC MATERIAL

Irving R. Brenholdt, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application September 18, 1948, Serial No. 49,976
8 Claims. (Cl. 175—183)



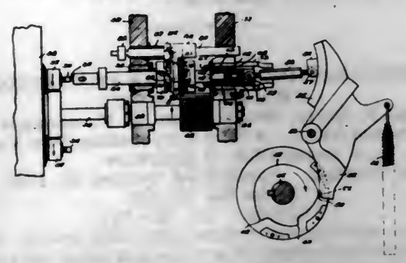
1. An instrument for determining the thickness of magnetic material from one side thereof without requiring direct contact therewith, which instrument comprises a probe for producing flux in a test area, which probe consists essentially of a half-core with an inductive winding, a low-frequency alternating-current generator, a sensory unit comprising an impedance connected in series with said inductive winding across the output of said generator to form a voltage divider, a clipper-memory circuit including a capacitor for receiving and retaining peak voltages above a threshold level, the source of said peak voltages being one part of said voltage divider, a high-resistance voltmeter for indicating the voltage across said capacitor, and means connected in said sensory circuit for producing peak voltage in said clipper-memory circuit when the probe reaches a predetermined distance from the magnetic material being tested.

2,572,909

INDEXING MECHANISM FOR MACHINE TOOLS

Earl W. Brinkman, Gates, N. Y., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y., a corporation of New York

Application March 30, 1948, Serial No. 17,870
10 Claims. (Cl. 74—22)



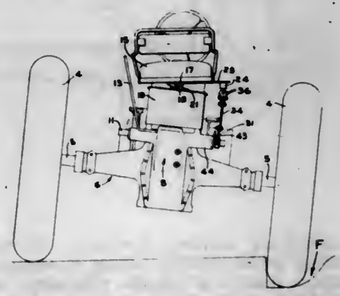
1. An indexing mechanism comprising a plurality of clutch members mounted for rotation about a common axis with an outer pair of said members spaced apart on opposite sides of an inner pair thereof, the opposing faces of the members of said pairs each having a plurality of clutch shoulders spaced apart around said axis by intervals of greater width circumferentially than said shoulders and arranged in staggered relation with the cooperating shoulders on the opposing face to effect a predetermined lost motion in the engagement of shoulders of opposing faces when said faces are moved into shoulder engaging proximity with each other, driving and driven elements one of which is connected with said outer pair of members and the other with said inner pair thereof, and means for effecting relative axial shifting movement between said pairs of members in opposite directions to engage the shoulders of opposing faces successively, for indexing said elements through a predetermined angle.

2,572,910

TRACTOR SEAT LEVELING MECHANISM

Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application August 27, 1947, Serial No. 770,817
6 Claims. (Cl. 280—6)



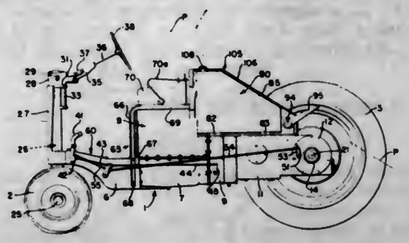
1. In a tractor having a transverse rockshaft actuable by power from the tractor, a seat, a seat mounting carried by the tractor and providing for lateral tilting of the seat about a generally longitudinal axis, an arm on said rockshaft, and a link pivotally connected with said arm and said seat for rocking the latter.

2,572,911

TRACTOR

Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application September 13, 1947, Serial No. 773,899
2 Claims. (Cl. 180—1)



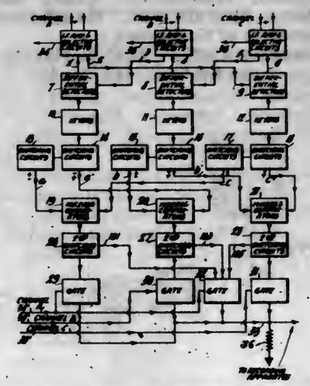
1. A tractor comprising a longitudinal frame, a motor carried by the frame and disposed longitudinally thereof and including a transmission gear box rearwardly of the motor and a power take-off unit rearwardly of the gear box having laterally directed extensions extending toward opposite sides of the frame, an operator's platform carried by the frame at the front end thereof forwardly of the motor, an operator's seat over said motor, a radiator for the motor disposed rearwardly of the latter at one side of the frame, means mounting the radiator on the frame, a gear-shift-lever operating means extending from said gear box laterally toward said one side of the frame, around the radiator at said one side and forward to a point accessible to the operator on said seat or platform, a control means for the power take-off unit also extending laterally toward said one side of the frame, around the radiator at said one side and then forward to a point accessible to the operator on said seat or platform, a fuel tank disposed at the other side of said frame and disposed alongside the adjacent side of the radiator and extending rearwardly therefrom alongside said gear box and terminating just forwardly of the aforesaid extension of said power take-off unit that extends laterally at said side of said frame, and means mounting the fuel tank on the frame.

2,572,912

DIVERSITY SYSTEM

Thomas T. N. Bucher, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application March 1, 1948, Serial No. 12,452
6 Claims. (Cl. 250—20)



1. A diversity receiving system comprising in combination, a plurality of signal amplifiers, a plurality of gate devices one coupled to the output of each amplifier, a common output impedance coupled to all of said gate devices, selecting means actuated by the difference in strengths of the several signals in the several amplifiers for making conductive that gate device getting the strongest signal to predominantly supply output to said common impedance, and apparatus for supplying output to said common impedance in response to a condition of a difference in amplifier signal strengths which is insufficient to cause actuation of said selecting means to make conductive any of the gate devices, comprising an additional gate device coupled to the output of one of said amplifiers, and means, coupled to said selecting means and actuated thereby in response to a nonconductive condition of all of said first-named gate devices, for making conductive said additional gate device.

2,572,913

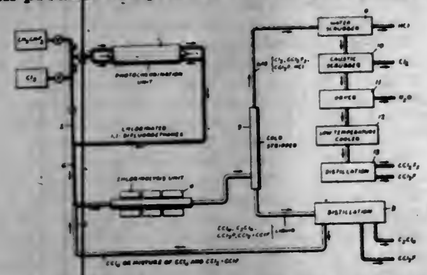
MANUFACTURE OF FLUOROCHLORO-METHANES

John D. Calfee, Manhasset, N. Y., and Lee B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

Application April 21, 1949, Serial No. 88,792
15 Claims. (Cl. 260—653)

1. In the process of pyrolyzing a mixture of a

1,1-difluoroethane and chlorine to form a reaction product comprising CCl_2F_2, CCl_3F and CCl_4,



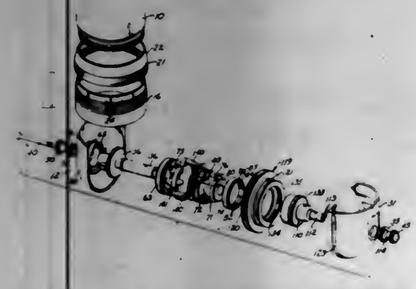
the step which comprises adding CCl_4 to said mixture before subjecting the same to said pyrolysis.

2,572,914

ARTIFICIAL ARM WITH ELBOW LOCK AND SELECTIVE CONTROL OF FOREARM FLEXION OR HOOK OPERATION

Joseph D. Chapman, Inglewood, and Lawrence J. Stevenson, Hawthorne, Calif., assignors to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California

Application April 17, 1950, Serial No. 156,358
12 Claims. (Cl. 3—12)



1. In an artificial arm having upper and lower arm portions connected together by an elbow joint for relative swinging movement about a pivot axis, an elbow lock comprising cooperating means attached to said upper and lower arm portions, respectively, adjacent said pivot axis for locking said arm portions against relative movement, and a hook of the open-and-close type mounted on the distal end of said lower arm portion, the combination of a pulley wheel journaled for rotation about the pivot axis of said elbow joint, a control member connected to said pulley wheel to rotate the same, a force-transmitting member connecting said pulley wheel to said hook to operate the same when said elbow is locked and said pulley wheel is rotated with respect to said lower arm, and cooperating means attached to said pulley and to said lower arm portions, respectively, adjacent said pivot axis for locking said pulley wheel against rotation with respect to said lower arm portion when said elbow is unlocked, whereby a force applied by said control member causes said lower arm portion to be raised.

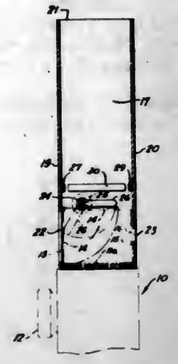
2,572,915

SUN HOOD FOR REFLEX CAMERAS

Thomas A. Devine, Newark, N. J.

Application June 11, 1949, Serial No. 98,422
1 Claim. (Cl. 88—1.5)

An auxiliary sun hood in combination with the open top collapsible sun hood of a reflex camera, the collapsible hood being provided with coacting openings of different size for eye frame focusing in a horizontal plane and a door releasably covering the larger opening for ground-glass focusing in a vertical plane, the door being hinged at the top of the larger opening and adapted to be rotated within the hood; the auxiliary sun hood comprising spaced parallel front and back members hingedly attached along corresponding edges, the top and bottom of the hood being open and the open bottom being adapted to be releasably secured over the open top of the collapsible hood, the front and



back members having openings therethrough registering with corresponding openings in the collapsible hood; a shaft rotatably disposed through one of the side members of the auxiliary hood and above the openings, a handle member keyed to the outer end of the shaft, an arm keyed to the inner end of the shaft, the arm flaring inwardly and outwardly and adapted to press against the inner surface of the door; the auxiliary hood further comprising a lens, a frame for the lens releasably secured in the auxiliary hood in a horizontal plane above the registered openings and adapted to clarify the image on the ground-glass when viewed through the lens.

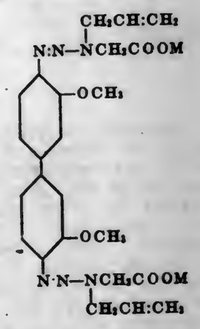
2,572,916

DIAZOAMINO COMPOUNDS

John J. Denton and Robert S. Long, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 10, 1950, Serial No. 149,024
1 Claim. (Cl. 260—140)

A compound of the formula



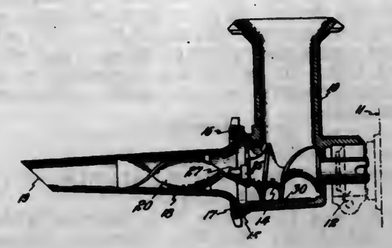
in which M is an alkaline metal.

2,572,917

SCREW ATTACHMENT FOR SAUSAGE STUFFERS

Lars Johan Faith Ell, Stockholm, Sweden, assignor to Aktiebolaget Elektrolux, Stockholm, Sweden, a corporation of Sweden

Application February 7, 1948, Serial No. 6,883
In Sweden June 10, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires June 10, 1961
4 Claims. (Cl. 17—40)



1. The combination with a meat grinder housing provided with an opening and a rotatable feed worm in the housing having a discharge end at the vicinity of the opening, of a device for stuffing sausages and the like comprising an elongated hollow tube, means for detachably mounting an inner end of the tube on the housing and into which material discharges through the opening, the hollow tube from the inner end thereof toward the opposite outer end including an inner relatively wide flared out section and a narrower outer section which is longer than the inner section, an auxiliary feed screw for the hollow tube, means for detachably coupling one end of the feed screw to the discharge end of the feed worm for turning the feed screw in the same direction and at the same speed as the feed worm when the latter is rotated, the feed screw comprising an elongated strip of essentially flat material twisted in the form of a screw, and such strip including radially extending wing portions adapted to engage the inner surface of the relatively wide section of the hollow tube.

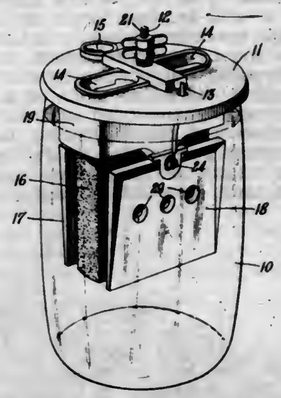
2,572,918

GAS DEPOLARIZED CELL

Charles R. Fisher, Fremont, George W. Heise, Rocky River, and Erwin A. Schumacher, Parma, Ohio, assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application November 13, 1946, Serial No. 709,654
25 Claims. (Cl. 136—136)

1. A replaceable electrode unit for a gas depolarized cell comprising a gas permeable carbon electrode impervious to wetting by electrolyte uniformly spaced from a zinc electrode on each of two opposite sides of the carbon, a collar of insulating material surrounding the carbon and supporting all electrodes therefrom, said collar having spacing projections extending substantially parallel to and between the carbon and each zinc electrode, and clamping means securing each zinc electrode to its spacing projection of said collar, said clamping means also supporting



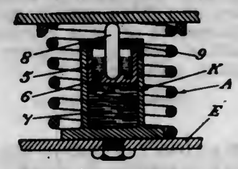
said carbon electrode between said spacing projections.

2,572,919

VIBRATION DAMPING MOUNTING FOR OPTICAL OBSERVATION INSTRUMENTS

James Weir French, John Martin Strang, and Charles D. Macgill, Glasgow, Scotland, assignors to Barr & Stroud, Limited, Glasgow, Scotland

Application February 28, 1946, Serial No. 650,898
In Great Britain April 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 30, 1963
4 Claims. (Cl. 248—21)



1. In combination, an optical observation instrument, a pedestal therefor, an anti-vibration mounting interposed between said pedestal and the instrument and comprising a series of helical springs which provide support for the instrument, and a corresponding series of dash-pot devices also interposed between said pedestal and the instrument to damp out vibration of said springs, each spring surrounding a dash-pot device, and each spring and dash-pot device supporting the instrument at the normally horizontal plane which passes through the centre of gravity of the instrument, and each dash-pot device including a cylinder mounted on the pedestal, a piston movable in said cylinder, and a piston rod which interconnects the instrument and piston, said piston rod being capable of inclination from the direction of movement of the piston in the cylinder so as to permit lateral yielding of the instrument relative to the pedestal.

2,572,920

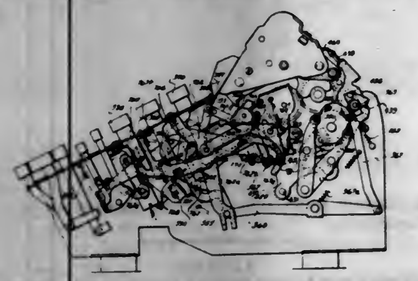
OPERATION CONTROL MEANS

Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application February 11, 1949, Serial No. 75,955
11 Claims. (Cl. 235—63)

1. Operation control means for a motor driven calculating machine having a shiftable register

carriage, mechanism for denominationally shifting said carriage including a member movable to initiate the operation, means operable upon movement of said carriage into a given position to terminate operation of said carriage shifting mechanism and a clutch mechanism; said control means comprising a clutch control member movable to control the engagement of said clutch mechanism, spring energized mechanism operable to move said clutch control member to clutch engaging position, an operating member movable to initiate operation of said spring energized mechanism, a restraining device adjustable



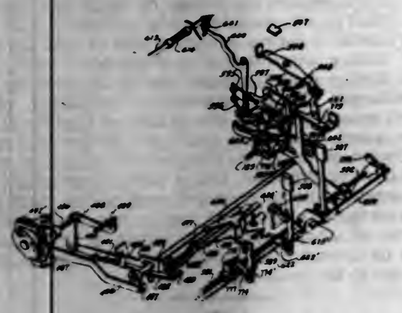
into operating relationship with said operating member; said device thereupon being movable upon initiating movement of said operating member into position to restrain said clutch control member and thereby hold the operation of said spring energized mechanism in abeyance, a member operable upon movement of said carriage into or out of said shift terminating position to adjust said restraining device out of or into operating relationship respectively with said operating member, and drive means operable in response to movement of said carriage into said shift terminating position to move said device from restraining position.

2,572,921

OPERATION CONTROL MEANS

Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application February 11, 1949, Serial No. 75,956
12 Claims. (Cl. 235—63)



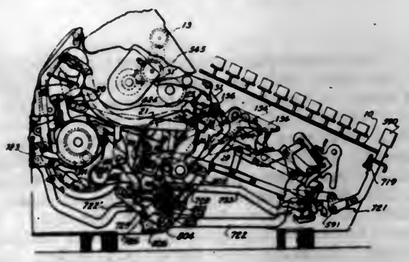
1. Operation control means for a motor driven calculating machine having a shiftable register carriage, mechanism for denominationally shifting said carriage including a control member movable to initiate the shifting operation, means operable upon movement of said carriage into a given position to terminate operation of said carriage shifting mechanism, and a clutch mechanism; said control means comprising a clutch control train including an operating member for moving said train to initiate operation of said clutch mechanism, latching means for restraining said clutch control train from said initiating movement, latch control means operable upon movement of said carriage into or out of said shift terminating position to release or to set said latching means respectively, drive means operable upon movement of said operating member, a device adjustable into operating relationship with said shift control member and thereupon operable by said drive means to move said shift control member to shift initiating position, means operable upon movement of said carriage into or out of said shift terminating position to adjust said device out of or into operating relationship respectively with said shift control member, and a yieldable spring coupling in said clutch control train for permitting movement of said operating member when said clutch control train is restrained.

2,572,922

STOPPING MEANS FOR CALCULATING MACHINES

Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application April 30, 1949, Serial No. 90,623
12 Claims. (Cl. 235—62)



8. In a motor driven calculating machine having a dividend register, a quotient register, selecting mechanism, cyclically operable registering means, division control means for dividing an amount registered in said dividend register by an amount set in said selecting mechanism and for automatically registering a plural figure quotient including a retractible operating key for initiating the operation, means operable to terminate operation of the machine and means operable by the dividend register to initiate operation of said terminating means in response to the retraction of said operating key upon the next completion of a quotient figure registration; a ratchet member adapted to be advanced from a normal position, a spring for urging said ratchet member to normal position, an adjustable counting detent driven in timed relationship with said registering means for advancing said ratchet member step by step against the tension of its spring, a back stop pawl for said ratchet member, spring means tending to engage said detent with said ratchet member, latching means for holding said detent in disengaged position, means for disabling said latching means upon operation and subsequent retraction of said operating key, a contact member on said ratchet member, means operable by said contact member upon a given advance of said ratchet member to initiate operation of said terminating means; the steps of advancement being of sufficient number to permit cycling of the machine a number of times sufficient to permit registration of any quotient digit and means operable in response to the operation of said terminating means to release said back stop pawl and said detent and to enable said latching means.

2,572,923

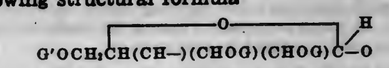
UNIFORMLY SUBSTITUTED GLUCOPYRANOSE POLYMERS AND PROCESS FOR THEIR PREPARATION

Kenneth M. Gaver and Esther P. Lasure, Columbus, Ohio, and Derk V. Tieszen, Delmar, N. Y., assignors to Ohio State University Research Foundation, Columbus, Ohio, a corporation of Ohio

Application October 23, 1947, Serial No. 781,708
28 Claims. (Cl. 260—209)

1. A method of making uniformly 2,3 substituted glucopyranose polymers comprising reacting glucopyranose polymers with alkali metal hydroxide in a substantially non-aqueous alcoholic system in which there is enough of the alkali to produce an 0.04 N solution and to permit two moles of alkali to react with each mole unit of carbohydrate and having an ionization constant of 2×10^{-5} or greater at a temperature of 115° C. or higher; and removing water formed by the reaction of the alkaline reacting material with the carbohydrate.

16. A substantially uniformly substituted glucopyranose polymer consisting of interlinked and polymerized substantially uniformly substituted glucopyranose units, each having the following structural formula



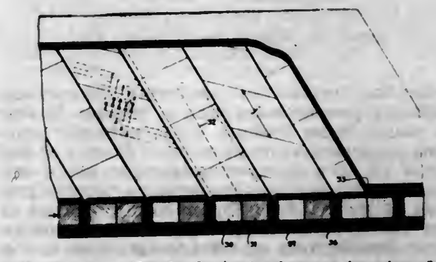
where each G is identical and represents an identical cation selected from the group consisting of alkali metal cations, non metal cations, alkyl ethereal salt cations, and cations of metal salts other than salts of alkali metals and ammonia and each G' is identical and represents a cation selected from the group consisting of hydrogen, cations derived from salt other than salts of alkali metals, salts of ammonium, and ethereal salts having an alkyl radical identical with the alkyl radical represented by G and where when G represents any other cation than an alkyl group, G' must be hydrogen.

2,572,924

HOLLOW PLASTIC PRODUCT AND METHOD OF MAKING THE SAME

Desiré Gonda, Sittingbourne, Kent, England, assignor to Holoplast Limited, New Hythe, near Maidstone, England, a British company

Application July 7, 1948, Serial No. 37,361
5 Claims. (Cl. 154—117)



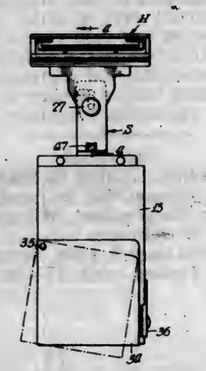
5. In a method of producing a structural unit in the form of panel-like portions interconnected by spaced webs with channels therebetween defined by said webs and panel-like portions: the combination of steps which comprises forming two groups of like multi-ply tubes by winding generally helically, ribbons of fibrous sheet material impregnated with thermosetting resin, the plies of one group however being all wound in one direction and the plies of the other group being all wound in the opposite direction; arranging said tubes in side by side relation with a plurality of plies of thermosetting resin impregnated fibrous sheet material both above and below, the tubes of one group being interspaced with the tubes of the other group; and then subjecting the resulting assembly to high pressure and heat to set the thermosetting resin thereof so as to form the assembly into an integral rigid plastic unit while supporting the tube walls interiorly.

2,572,925

SAFETY RAZOR

Edward J. Gray, New York, N. Y.; Irene Carol Gray executrix of said Edward J. Gray, deceased

Application December 4, 1947, Serial No. 789,591
11 Claims. (Cl. 30—40)



1. A magazine type safety razor comprising a razor head, a magazine, means displaceably to retain said magazine in alignment with said head, said magazine having blades therein, each blade having a guard along the entire length of the cutting edge thereof, said head having a guide therealong, said razor having means for pushing the blade for movement of the guard thereof along said guide into place in said head, with concurrent expulsion from the head of the blade previously lodged therein, and means for deflecting the cutting edge of the positioned blade to unguarded position.

2,572,926

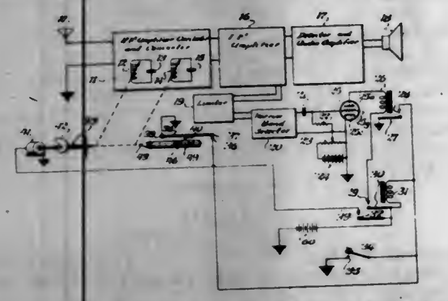
PRESETTABLE SIGNAL SEEKING TUNING SYSTEM

Roy A. Gull, Buffalo, N. Y., assignor, by mesne assignments, to Sylvania Electric Products Inc., New York, N. Y., a corporation of Massachusetts

Application November 14, 1947, Serial No. 785,993
3 Claims. (Cl. 250—20)

1. An automatic tuning system comprising: variable tuning means for tuning a radio apparatus to any frequency within a predetermined operating frequency range; power-operated means energizable to vary said tuning means continuously and repeatedly over said tuning range; a control system responsive to a predetermined

amplitude of signal energy developed in a resonant circuit of said apparatus for de-energizing said power-operated means to terminate variation thereby of said tuning means; and an auxiliary control system including a longitudinally movable and longitudinally adjustable element actuated, in synchronized relation with the movement of said tuning means, over a range of move-



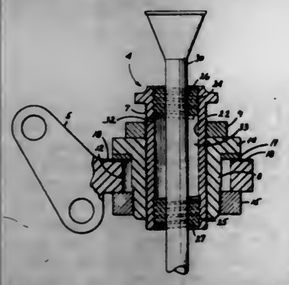
ment; said auxiliary control system also including means for energizing said power-operated means independently of said first-mentioned control system except over a small portion of the range of movement of said element which small portion is established by the longitudinal adjustment of said element and corresponds to an adjustment of said tuning means in proximity to a preselected operating frequency.

2,572,927

FUNNEL GUIDE BUSHING

Hugh D. Haley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application February 9, 1950, Serial No. 143,255
9 Claims. (Cl. 57—76)



1. A spinning funnel guide comprising a tubular stem portion, a pair of spaced bushings of flexibly resilient material extending tightly around the stem portion, and a rigid annular sleeve extending tightly around the bushings and having circumferential grooves along each portion of its inner surface in contact with the bushings.

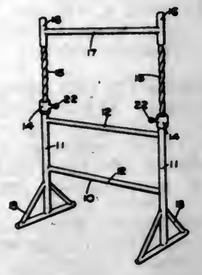
2,572,928

EXTENSIBLE TRESTLE

Albert Henry Hawes, Birmingham, England, assignor to Kwikform Limited, Birmingham, England, a British company

Application December 23, 1947, Serial No. 793,392
In Great Britain September 10, 1946
Section 1, Public Law 690, August 8, 1946
Patent expires September 10, 1966
1 Claim. (Cl. 304—6)

An adjustable support for scaffolds, trestles and the like having relatively movable upper and lower supporting frames, each frame comprising connected spaced, horizontal and vertical members, at least one vertical member of one frame comprising a tubular riser with a sleeve secured thereto at the extremity thereof, and at least one bar on the other frame, said bar having a multiple thread of elongated pitch and being relatively movable telescopically with respect to said riser and sleeve, a nut positioned within said sleeve and about said bar, said nut having an



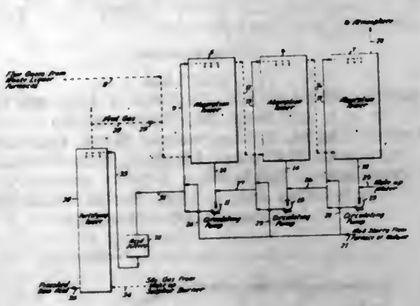
interior thread corresponding to that of the bar, and stop means at each end of said nut to retain it within said sleeve, said nut being freely rotatable therein during relative movements of said frames, said frames being relatively adjustable for substantially the full length of said bar, and fastening means on said sleeve selectively engageable with said nut for locking same against rotation to maintain said frames in any adjusted position with respect to one another.

2,572,929

METHOD OF PREPARING MAGNESIUM BISULFITE COOKING LIQUOR

Svarre E. Hazelquist, Longview, Wash., assignor to Weyerhaeuser Timber Company, Tacoma, Wash., a corporation of Washington

Application March 30, 1950, Serial No. 152,800
2 Claims. (Cl. 23—130)



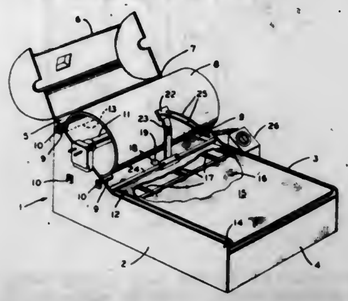
1. In the method of producing magnesium bisulphite liquor by absorption of sulphur dioxide from waste liquor furnace gases normally containing a concentration of sulphur dioxide of the order of 1% in a slurry of magnesium oxide and water, the improvement consisting of controlling the pH of the resulting liquor within a range of 4.0 to 4.5 by introducing regulated amounts of sulphur dioxide from an extraneous source to the waste liquor furnace gases before absorption thereof and thereby preventing the formation of insoluble magnesium monosulphite.

2,572,930

EXPOSURE APPARATUS FOR CONTACT PRINTING

Peter Henrikus Heldens, Venlo, Netherlands, assignor to Chemische Fabriek L. Van Der Grinten, Venlo, Netherlands, a company of the Netherlands

Application December 16, 1948, Serial No. 65,638
In the Netherlands July 17, 1946
5 Claims. (Cl. 95—73)



1. In an exposure apparatus for photographic contact printing comprising a hollow rotatable exposure member having a cylindrically curved panel of light-pervious material, a light source within said member, and a flexible apron engaging and movable with the surface of the panel and having a portion of its length extending away from the panel in one position to permit the insertion of an original sheet and a contacting sensitized diazotype sheet between the apron and said surface, the apron moving upon rotation of said member to move sheets so inserted to an exposing position at which it is wrapped and holds such sheets about said surface, a light-pervious area provided at least in a part of said apron portion that overlies such sheets in exposing position, a photoelectric cell mounted adjacent to but outside the path of said apron on a radius from said light source that passes through said light-pervious area and a sensitized sheet thereunder when the apron is at exposing position, and means connected with said cell and responsive to its activation as light penetrates through such sensitized sheet for indicating the progress of an exposure.

2,572,931

CELLULAR PRODUCTS COMPRISING ACRYLONITRILE POLYMERS

Robert H. Helle, Media, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 1, 1947, Serial No. 783,631
1 Claim. (Cl. 260—2.5)

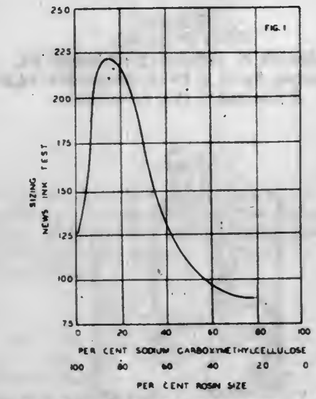
The method of producing copolymers of acrylonitrile and isobutylene in the form of discrete, inflated globules characterized by a cellular cross-section, a crenulated surface, and low density, which comprises heating discrete particles of an acrylonitrile-isobutylene copolymer containing from 75% to 85% acrylonitrile and from 15 to 25% of isobutylene and obtained by suspending a mixture of from 70 to 80% of acrylonitrile and from 20 to 30% of isobutylene in dispersed phase, in a medium which is not a solvent for the monomer mixture or copolymer, which medium contains a polymerization catalyst which is soluble in the monomer mixture, and heating the suspension with continuous agitation to obtain the copolymer in a yield of from 20 to 80%, at a temperature above the boiling point of the mixed monomers absorbed to the copolymeric particles to thereby abruptly volatilize the residual monomers and inflate the particles.

2,572,932

SIZING OF PULP WITH ROSIN AND CARBOXYMETHYLCELLULOSE

Eleanor F. Horsey and Donna Price, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application May 11, 1946, Serial No. 669,028
1 Claim. (Cl. 92—21)



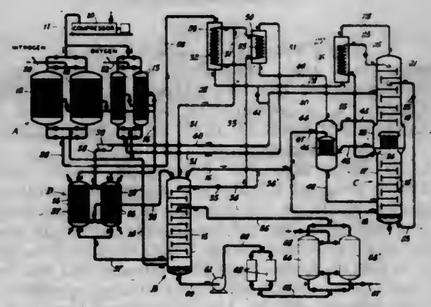
In the method of sizing paper pulp wherein rosin size is added to an aqueous suspension of said pulp and papermaker's alum is added thereafter to precipitate the size solids upon the fibers, the improvement comprising adding a dilute aqueous solution of sodium carboxymethyl cellulose to the aqueous suspension of said pulp prior to the addition of alum, said sodium carboxymethyl cellulose having an average degree of substitution of about 0.45 and being employed in an amount of about 15% of the combined weight of rosin size and sodium carboxymethyl cellulose.

2,572,933

PROCESS AND APPARATUS FOR ELIMINATING HIGHER-BOILING-POINT IMPURITIES PRIOR TO RECTIFICATION OF A GAS MIXTURE

Russell W. Houvener, Kenmore, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

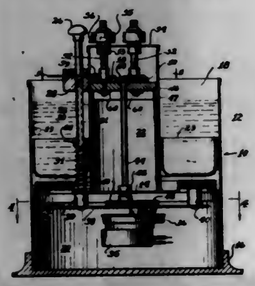
Application May 20, 1949, Serial No. 94,308
14 Claims. (Cl. 62—122)



1. A process for eliminating higher-boiling impurities from a gas mixture such as air before

it is subjected to low-temperature rectification, which process comprises providing a stream of the mixture under pressure, freed of moisture, and cooled to a low temperature; washing such stream at a condensation pressure below 150 p. s. i. with a scrubber liquid to remove the impurities from said gas stream and retain them in the scrubber liquid; forming the scrubber liquid by liquefaction of part of the scrubbed gas mixture; and eliminating impurities from said scrubber liquid by passing used scrubber liquid from the washing in intimate contact with an adsorbent material which selectively retains the impurities.

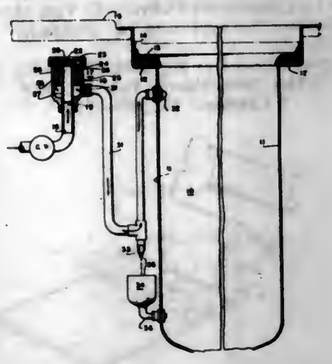
2,572,934
EGG BOILER
Frederick E. Hummel, Chicago, Ill.
Application April 1, 1949, Serial No. 84,839
3 Claims. (Cl. 99—336)



1. The combination in a cooking utensil, of a liquid container, a receptacle within said container, a vertically reciprocable plunger rod attached to and extending upwardly from said receptacle, a spring continuously urging said receptacle and plunger rod upwardly, a spring-pressed latch operative to releasably secure said plunger rod and receptacle in a depressed position against the opposition of said spring, and timing mechanism operative to deactuate said latch, said timing mechanism comprising a ratchet wheel, a shaft disposed axially of said ratchet wheel and having means engageable by the teeth of said ratchet wheel whereby said shaft is rotatable by and with said ratchet wheel and manually rotatable independently thereof, a dog carried by said shaft and operative to move said latch once per revolution of said shaft in a direction effective to release said plunger rod and thus allow said receptacle to rise under the impetus of said spring, and means operative to rotate said ratchet wheel at a constant speed.

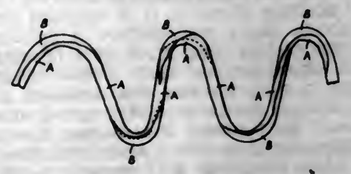
2,572,935
DISHWASHING APPARATUS
James Gale Idle, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 17, 1950, Serial No. 156,321
5 Claims. (Cl. 137—21)

1. In apparatus for conveying water under pressure to a vat for storing water, the combination of a U-shape conduit having one end thereof connected to the vat for the discharge of water thereto, a vacuum breaker connected to the other end of the U-shape conduit and adapted for connection to a source of water under pressure, a funnel spaced below the lowermost portion of the U-shape conduit and defining an air gap therewith, said lowermost portion of the U-shape conduit being provided with an orifice for the discharge of water across the air gap to the funnel, and conduit means connecting the funnel to a



lower region of the vat, said funnel being elevated with respect to the level of water stored within the vat.

2,572,936
PROCESS FOR MAKING CRIMPED ARTIFICIAL FILAMENTS
Maurice P. Kulp, Linwood, Pa., and Wayne A. Sisson, Silverside Heights, Del., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 27, 1947, Serial No. 731,374
6 Claims. (Cl. 18—54)

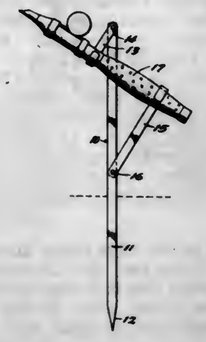


1. A process for the production of filaments of not more than 10 denier per filament comprising extruding a viscose containing between 9 and 10% of cellulose, between 9 and 10% sodium hydroxide and having a sodium chloride salt test of 3 to 6 into a coagulating bath consisting of water, between 9 and 14% sulfuric acid, between 0.5 and 3% zinc sulfate, and between 15 and 25% sodium sulfate, stretching the filaments, relaxing the filaments in a wet condition, and drying them in a relaxed state.

2,572,937
FISHING POLE REST
John R. Lawson, Topeka, Kans.
Application May 6, 1949, Serial No. 91,850
1 Claim. (Cl. 248—42)

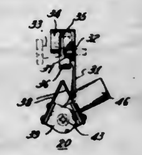
A fishing pole rest comprising an upright supporting bar adapted at its lower end to be stationarily mounted, a first hook freely pivotally mounted on the upper end of the supporting bar and normally extending downwardly along the supporting bar and having an upwardly facing hook portion and adapted to be swung outwardly from the supporting bar, and a second hook freely pivotally mounted on the supporting bar intermediate the ends of the supporting bar and normally extending upwardly along the supporting bar and having a downwardly facing hook

portion and adapted to be swung outwardly from the supporting bar, the hooks when swung inwardly toward each other along the supporting bar having their hook portions lying adjacent each other and forming a compact unit, the hooks when swung outwardly in opposite direc-



tions from the supporting bar having their hook portions forming spaced supports for a fishing pole, and the hooks being held outwardly from the supporting bar by the pressure of the fishing pole on the hook portions thereof and falling by gravity when the fishing pole pressure is released.

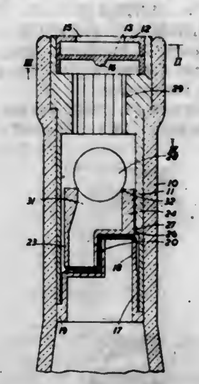
2,572,938
SAW WIPER SYSTEM
William Lasar, Los Angeles, Calif.
Application August 26, 1947, Serial No. 770,715
6 Claims. (Cl. 143—158)



1. A wiper finger sub-assembly for a band saw comprising: a pair of finger mounts having slots formed on adjacent surfaces; a central aperture through the mounts; a torsion spring fitted between the mounts and about the aperture and having ends disposed in said slots; a fastener passing through the aperture to rotatably secure the mounts together; and a wiper finger secured to each mount on the opposite sides of said fastener, said fingers having convergent free end portions.

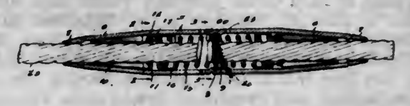
2,572,939
CLOSURE FOR NONREFILLABLE BOTTLES
Francis Henry le Sueur, London, England
Application January 27, 1949, Serial No. 73,073
In Great Britain April 21, 1948
6 Claims. (Cl. 215—18)

1. A closure for a non-refillable bottle comprising a rigid tube within the neck of the bottle, a fixed annular member mounted at the inner end of the rigid tube, a flexible tube secured at one of its ends to said member and extending towards the outer end of the neck, the length of the flexible tube being greater than its diameter, protecting means such as a labyrinth baffle located at the outer end of the rigid tube, the fixed annular member having a nose of semi-circular cross-section extending within and in the direction of the flexible tube, and a slidable annular member secured to the free end of said flexible tube and constituting a weight therefor,



said slidable member having a tubular nose of semi-circular cross-section complementary to the nose of the fixed annular member, the two noses overlapping when the bottle is in the upright position.

2,572,940
WIRE GRIP INDICATING MEANS
Roy R. Lockhart, Flintridge, Calif., assignor to Reliable Electric Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1950, Serial No. 138,325
4 Claims. (Cl. 116—124)



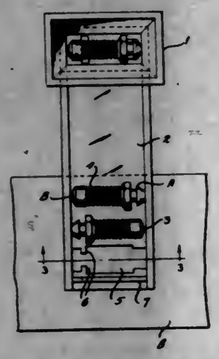
1. In a wire splice having a tubular shell tapering toward each end and wire gripping jaws in each end, the combination therewith of a transverse central barrier fixed within said shell, a fragile capsule carried on each side of said barrier and extending diametrically across a substantial portion of the shell interior, a colored liquid material sealed within each capsule, the said shell having a plurality of circumferentially spaced holes around each capsule whereby said material, when a capsule is ruptured by an inserted wire end, may escape to the shell exterior to provide a visual indication.

2,572,941
PROCESS FOR PRODUCING 2-METHYL-1,3-PENTANEDIOL
Alexander F. MacLean, Robstown, and Adin Lee Stautzenberger, Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 8, 1948, Serial No. 37,537
2 Claims. (Cl. 260—635)

1. Process for the production of 2-methyl-1,3-pentanediol, which comprises aldoling under hydrogen pressure an alkaline solution of propionaldehyde in propyl alcohol containing a nickel hydrogenation catalyst at a temperature of 200 to 300° F. for 1 to 4 hours, whereby propionaldol

is formed and is concurrently catalytically hydrogenated to 2-methyl-1,3-pentanediol as formed.

2,572,942
ALIGNING DEVICE
James S. Maisbary, Glendale, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application August 20, 1948, Serial No. 45,391
4 Claims. (Cl. 192—43)



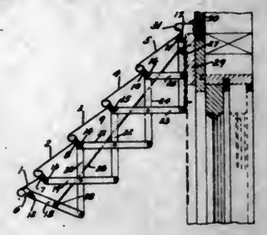
1. An apparatus for aligning in the same orientation irregularly shaped similar articles comprising a hopper containing a quantity of these articles randomly oriented; a chute down which each of said articles passes in one of two alternative relative orientations; a barrier against which these articles come to rest in order to insure parallel alignment thereof; a selector opening formed in said chute through which said articles fall; a pair of selector arms disposed in said selector opening which act to spin those of the articles having one orientation while not disturbing the free fall of those articles having the other orientation; and receiving means onto which said articles may fall located at such a distance beneath the chute that said articles of both orientations will be similarly positioned thereon.

2,572,943
PRODUCTION OF BIFUNCTIONAL CARBONYL COMPOUNDS FROM 1,4-DICHLOROBUTANE
Alfred L. Miller, Summit, N. J., and Bernard H. Kress, Toledo, Ohio, assignors to Celanese Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application April 29, 1949, Serial No. 90,556
2 Claims. (Cl. 260—601)

2. In a process for the production of bifunctional organic compounds, the steps which comprise converting 1,4-dichlorobutane to the magnesium Grignard reagent at a temperature of about 80 to 100° C., reacting the magnesium Grignard reagent formed with ethyl orthoformate, separating adipaldehyde - bis - diethylacetal and sebacaldehyde-bis-diethylacetal from the reaction mixture, and hydrolyzing said acetals to yield the corresponding dialdehydes.

2,572,944
FOLDING METAL AWNING
Carl E. Mullin, Leeds, Ala.
Application September 25, 1950, Serial No. 186,581
3 Claims. (Cl. 160—62)

1. A metal folding awning of the character described comprising, a plurality of slats, each slat being elongated in form and being straight and curved in cross section, the long edges of each slat defining an approximate half-circle, one of said curved edges being turned from one face



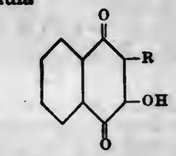
of the slat, the other edge being turned from the opposite face of the slat, the normally lower one of said slats having two brackets attached at each end thereof, the other slats having one bracket attached at each end of each slat.

2,572,945
WHEELED BARROW
Maurice Quesnoit, Croix, Nord, France
Application April 18, 1950, Serial No. 156,602
In France April 29, 1949
7 Claims. (Cl. 214—85)

1. A wheeled barrow comprising, in combination, a first-wheel train, a plane platform tiltably mounted about the axis of said first wheel-train so that one of its edges can be brought into the close vicinity of the ground under the action of gravity to be engaged beneath an object to be moved, a second wheel-train mounted on a support pivoted on said platform between said first-wheel train and said engageable edge and having one position in which said platform is maintained substantially parallel to the ground on both wheel-trains, said support assuming automatically said position under the action of gravity when said engageable edge of said platform is sufficiently lifted above the ground by pivoting said platform about said first wheel-train, automatic locking means constituted by bars articulated upon an axis located beneath said platform, the free ends of said bars being brought, under gravitational action, into a right angle abutment against said support, substantially at the level of the axle of said second wheel train when the same is brought into said position, hand-operated means near the opposite edge of said platform to drive said barrow and to tilt said platform against the action of gravity, so as to bring said support into said position and means to unlock positively said locking means from said hand-operated means.

2,572,946
COMPOSITION COMPRISING 2-ALIPHATIC-3-HYDROXY-1,4 NAPTHOQUINONE AND METHOD FOR CONTROLLING MITES AND APHIDS
Marvin Paulshock, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 19, 1949, Serial No. 128,491
5 Claims. (Cl. 167—30)

1. A composition adapted for the control of mites and aphids which comprises as an essential active ingredient in admixture with a surface active agent in amount effective for imparting water dispersability to the composition a 2-aliphatic-3-hydroxy-1,4-naphthoquinone represented by the formula



where R is a radical, containing from 6 thru 15 carbon atoms, selected from the group consisting of alkyl, cyclohexyl, and cyclohexylalkyl; and the salts thereof.

2,572,947
TRANSPARENT PANEL CONSTRUCTION AND MOUNTING
Paul Pevney, Nassau Shores, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application January 24, 1944, Serial No. 519,459
7 Claims. (Cl. 189—64)



1. A transparent panel of laminated safety glass comprising at least two layers of glass bonded to an interlayer of transparent synthetic resin, an extension of said interlayer projecting beyond the edges of the glass layers to form a mounting margin of synthetic resin, relatively thin flanges formed integrally with the mounting margin and projecting laterally from the opposed faces thereof to overlie and rest flush against the adjacent edges of the glass layers, and a head formed integrally with and at the outer edge of said margin to project laterally beyond each face of the margin in spaced and substantial parallel relationship to the flanges aforesaid.

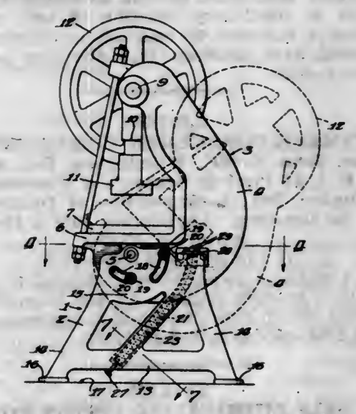
2,572,948
WALKING SHOE WITH VAMP WRINKLES MINIMIZED
Fred G. Poon, Los Angeles, Calif.
Application November 4, 1948, Serial No. 58,339
1 Claim. (Cl. 36—45)

A shoe having an upper consisting of a toe cap, a vamp with an integral tongue at the center thereof and quarters overlying said tongue, and a sole having a shank portion, the toe cap extending rearwardly to a position to overlie substantially all of the metatarsal phalangeal joints of the toes with the rear edge on a transversely forwardly slightly concave line diagonal to the longitudinal axis of the shoe, the vamp having a forward edge on the same diagonal and being connected with the rear edge of the toe cap, the rear edge of the vamp on each side of the integral tongue extending downwardly and rearwardly along a gradually curving line to substantially the medial portion of the shank, the quarters having forward edges similarly curved and overlapping the vamp and extending downwardly and rearwardly from the longitudinal axis of the shoe to the same portion of the shank and being connected to the rear edge of the vamp only from a point spaced from each side of the integral tongue and slightly to the rear of the cor-



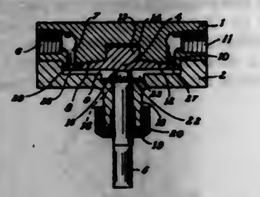
responding point in the ball portion of the sole to the sole, the forward edges of the quarters from each side of the longitudinal axis to the beginning of the connections with the vamp being substantially parallel with the diagonal connection of the toe cap and vamp, whereby the connections between the vamp and quarters will be substantially parallel to the ground line when the rear quarters are disposed at the maximum angle assumed in walking, and the formation of wrinkles in the vamp between the toe cap and quarters is minimized when bending and flexing the shoe in the act of walking.

2,572,949
PUNCH PRESS AND THE LIKE
Kenneth E. Reese, Elkhart, Ind.
Application January 30, 1947, Serial No. 725,352
7 Claims. (Cl. 164—103)



1. In apparatus of the class described, in combination, a main base frame, a tilting frame pivoted on said base frame for inclining movement to different angular positions, a spring channel in said base frame, a plug slidable in said channel and having a part which extends through and operates slidingly in a slot in the wall of said channel and is connected to the tilting frame, a coiled compression spring disposed in said channel and acting against said plug, and a cap plate fastened to said base frame and closing the adjacent end of said channel outwardly of said plug whereby to form a stop for limiting outward movement of the plug and thereby angular movement of the tilting frame.

2,572,950
CONTROL VALVE
Clarence A. Rider, Houston, Pa., assignor to Steel Processing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1947, Serial No. 760,301
1 Claim. (Cl. 251—84)

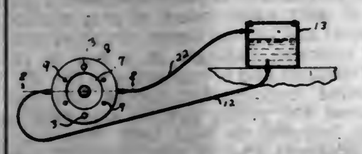


A valve comprising a valve body, a valve seat on said valve body, a cover structure enclosing a chamber above said valve seat, a supply duct and a delivery duct communicating with said chamber at points spaced apart in the said valve seat, a delivery groove in said valve seat extended arcuately from the opening of the said delivery duct through the valve seat to a terminal spaced from the opening of the said supply duct through the valve seat, both the depth and lateral dimensions of said groove decreasing progressively and correspondingly from the said delivery duct opening to said terminal whereby said groove is of approximately uniform cross-sectional contour throughout its length, a rotor in said chamber separating said delivery duct and the delivery groove leading thereto from the said fluid chamber and rotatable in said valve body concentrically with the said delivery groove in the valve seat and to be moved to a position with respect to the valve seat beyond the said groove completely to close the valve, and a through port in said rotor positioned therein to match with said groove in regulatory rotation of said rotor to provide a channel of selected minimum cross-sectional area between said chamber and said delivery duct.

2,572,951
STYRENE COPOLYMER COMPOSITIONS
Milton John Roedel, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 3, 1948, Serial No. 37,079
11 Claims. (Cl. 260—86.7)

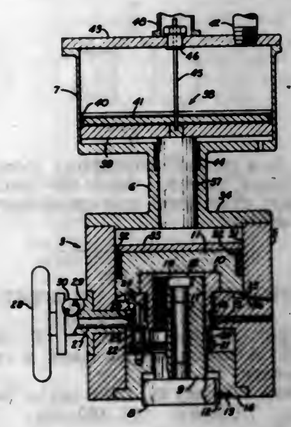
1. A coating composition comprising in solution in a volatile organic solvent therefor a copolymer which contains 40–70% styrene, the rest being beta-allyloxyethyl acrylate.

2,572,952
SELF-LUBRICATING PISTON ROD
Theodore R. Rymal, Houston, Tex.
Application September 2, 1947, Serial No. 771,581
6 Claims. (Cl. 286—19)



1. A self-lubricating piston rod comprising a reciprocating piston rod, packing means through which said rod reciprocates, a collar having an annular projection adapted to be maintained tightly in contact with said packing means, a transverse passageway through said collar through which lubricating oil may flow, a chamber within said collar, and a flexible diaphragm maintained on said collar and embracing and in contact with and adapted to be frictionally actuated by said piston rod within said chamber.

2,572,953
FLOATING PRESS HEAD
Thomas A. Saari, Chicago, Ill., assignor, by mesne assignments, to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application August 19, 1948, Serial No. 45,113
8 Claims. (Cl. 18—16)



1. The combination in a crank-operated press of the type having a mold cavity and a head mechanism that is reciprocated with a compression and a return stroke of fixed length in a direction axially of said cavity, comprising, a ram for compressing material in said cavity, a cylinder in the head mechanism, a ram supporting member that is axially slidably mounted in said cylinder, means whereby the head and supporting member simultaneously move toward the cavity at the same speed and in a predetermined axially fixed relation to each other until the ram starts to compress material in the cavity, means movable with the head mechanism for varying said fixed axial relation of the ram so that different thicknesses of material may be compressed in the cavity, and means for maintaining a substantially constant hydraulic fluid pressure in said cylinder and against said ram supporting member so that on the compression stroke it can yield after engaging material in the cavity and on the return stroke its predetermined fixed relation can be re-established preparatory for the next compression stroke.

2,572,954
ACID DYEING PROCESS USING ALKANESULFONIC ACIDS
Anthony M. Schwartz, Washington, D. C., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 9, 1949, Serial No. 103,945
7 Claims. (Cl. 8—43)

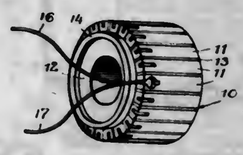
1. A process for dyeing wool fiber, which process comprises contacting said fiber with an acid dye bath comprising essentially a metallized azo dye and between about 1 and about 10 percent by weight, based on said fiber, of an alkanesulfonic acid having 1 to 4 carbon atoms, inclusive, in the molecule.

2,572,955
VENTILATOR
Clifford W. Schumacher, Newcomerstown, Ohio
Application March 22, 1950, Serial No. 151,207
2 Claims. (Cl. 98—56)



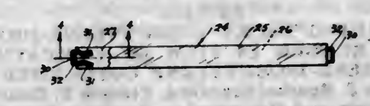
2. A ventilator for stored grain and hay comprising an elongated inverted U-shaped air deflector, a hood of greater diameter spacedly disposed over the air deflector with its lower side edges lying on a horizontal plane below that horizontal plane occupied by the upper side edges of the air deflector, a rear end piece secured over the rear ends of the air deflector and hood, a front end piece secured over the front ends of the air deflector and hood and having an enlarged hole therein communicating with the space between the air deflector and hood, an air duct communicating with the hole in front end piece, and means connecting the air deflector and hood in opposed spaced relation to one another with the side edges of the latter disposed below the side edges of the former and above their supporting surface.

2,572,956
METHOD OF SECURING LEADS TO COMMUTATORS
Hoyt Servis, Racine, Wis., assignor to The Dumore Company, Racine, Wis., a corporation of Wisconsin
Application December 5, 1946, Serial No. 714,283
4 Claims. (Cl. 29—155.54)



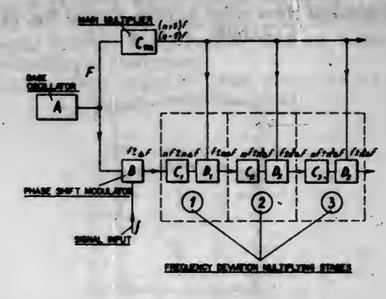
2. A method of securing an insulated lead to a slotted commutator segment comprising the steps of inserting said lead into the slotted portion of said segment without removing the insulation therefrom, applying a spinning tool to that surface of said segment which is slotted, said spinning tool being of a diameter greater than the width of said slot, causing said spinning tool to bite into said slotted segment to deform a portion of said segment and to cause a portion of the material forming the walls of said segment to be crowded inwardly and downwardly around said lead, and continuing the downward pressure on said spinning tool until the lead is deformed whereby the insulation thereof is broken and a good electrical contact between the material of said segment and said lead is established.

2,572,957
ROOM ILLUMINATOR
Robert P. Shaw, Pelham Manor, N. Y.
Application November 26, 1948, Serial No. 61,969
2 Claims. (Cl. 160—173)



1. In a device of the class described, a central non-shatterable sheet, and two glass mirrors cemented back to back upon said central sheet to form a vane which is strengthened by said central sheet, and guide clips mounted upon and projecting outwards from the ends of said central sheet in order not to cover portions of the ends of said glass mirrors.

2,572,958
METHOD FOR INCREASING THE DEVIATION OF FREQUENCY MODULATED OSCILLATIONS
Antonín Špaček, Prague-Branik, Czechoslovakia, assignor of one-half to Tesla, National Corporation, Prague, Czechoslovakia
Application August 10, 1948, Serial No. 43,355
In Czechoslovakia August 19, 1947
6 Claims. (Cl. 332—22)



1. A method of increasing the frequency deviation of a frequency modulated signal which comprises modulating the fundamental frequency with a frequency deviation; multiplying the modulated frequency a pre-set number of times; separately multiplying the unmodulated fundamental frequency a number of times differing by one from such pre-set number; combining the multiplied modulated frequency with the multiplied fundamental frequency to produce a signal corresponding to the fundamental frequency modulated by the multiplied frequency deviation; multiplying such lastly modulated signal such pre-set number of times; combining the multiplied fundamental frequency with the lastly multiplied modulated signal to produce a second signal equal to the fundamental frequency modulated by the deviation frequency multiplied by the square of such pre-set number; and continuing such multiplication of the modulated signals and combining thereof with the multiplied fundamental frequency in successive identical steps to produce a final output signal equal to the funda-

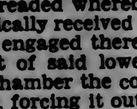
mental frequency modulated by the initial frequency deviation multiplied by such pre-set number raised to a power equal to the number of steps.

2,572,959

PACKAGING TACKY ISOBUTYLENE-DIOLEFIN RUBBER IN FILM OF COMPATIBLE STYRENE-ISOBUTYLENE COPOLYMER

William J. Sparks, Cranford, Francis P. Baldwin, Rahway, and Raymond G. Newberg, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application March 24, 1945, Serial No. 584,622
5 Claims. (Cl. 206—84)



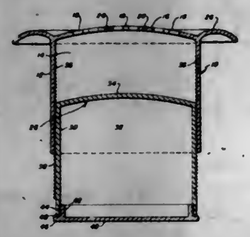
5. A package comprising unvulcanized synthetic rubber of the low-temperature isobutylene-diolefin type having a Mooney number of about 10 to 50, wrapped in a film of about 1 to 10 mils in thickness of a styrene-isobutylene copolymer having an intrinsic viscosity greater than 0.5 and having a combined styrene content of about 40 to 60% by weight.

2,572,960

BUTTER FORMING DEVICE

Ria Rosita Steams, New York, N. Y.

Application November 4, 1946, Serial No. 707,724
2 Claims. (Cl. 31—12)



1. As an article of manufacture, a butter serving dish device for forming and serving butter into extruded shapes thereon, comprising an upper casing having cylindrical side walls defining a downwardly open chamber for the reception of butter, the upper top wall of said chamber having a plurality of attractively shaped butter extruding die apertures formed therein, an annular outstanding flange surmounting said cylindrical walls of the upper casing adjacent the said top wall thereof to form a rim, a lower casing having cylindrical side walls surmounted by a top member to define an ice storage chamber therein, a base member threaded into the lower end of said ice storage chamber for closing the same, said upper and lower casings being complementarily threaded whereby the lower casing may be telescopically received in the upper casing and threadedly engaged therewith, and whereby upon movement of said lower casing into said butter storage chamber the cooled butter is compressed thereby, forcing it out through said butter extruding die apertures to form attractive butter shapes supported upon the upper surface of the upper casing, from which they may be served.

2,572,961

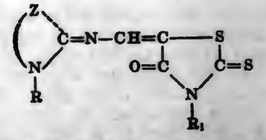
PHOTOGRAPHIC SILVER-HALIDE EMULSIONS SENSITIZED WITH AZAMEROCYANINE DYES

Thomas R. Thompson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Original application July 16, 1946, Serial No. 683,975, now Patent No. 2,496,899, dated February 7, 1950. Divided and this application September 25, 1946, Serial No. 699,354
4 Claims. (Cl. 95—7)



1. A photographic gelatino-silver-halide emulsion containing an azamerocyanine dye, selected from the group of dyes characterized by the following general formula:



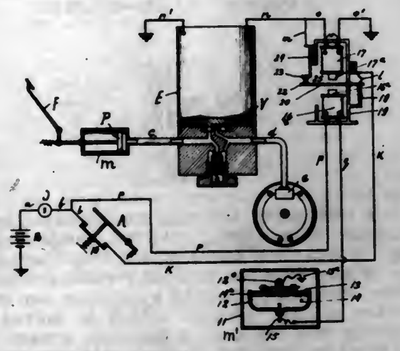
wherein R represents a member selected from the class consisting of alkyl and aralkyl groups, R' represents a member selected from the class consisting of alkyl, allyl, and phenyl groups, and Z represents the atoms necessary to complete a heterocyclic nitrogenous system.

2,572,962

BRAKE CONTROL SYSTEM FOR MOTOR VEHICLES

Joseph Weiss and Abraham Weiss, New York, N. Y.; Joseph Weiss, administrator of said Abraham Weiss, deceased, assignor to Joseph Weiss individually

Original application December 11, 1946, Serial No. 715,580. Divided and this application April 13, 1948, Serial No. 20,714
7 Claims. (Cl. 192—3)



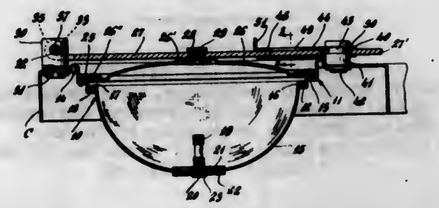
1. In a motor vehicle having an accelerator, and brake mechanism, means for actuating said brake mechanism including a valve, electric means for controlling said brake actuating means, said electric means including a solenoid adapted when actuated to close said valve and thereby lock the brakes in braking position, an accelerator actuated switch adapted to be closed when the accelerator is released, a relay normally closed, which when closed completes the circuit through said valve actuating solenoid, and electric means including freely-pivotal, suspended means responsive to the motion of the vehicle affecting said relay.

2,572,963

CLOSURE

James H. Wily, Bethlehem, Pa.

Application January 31, 1946, Serial No. 644,569
1 Claim. (Cl. 220—57)



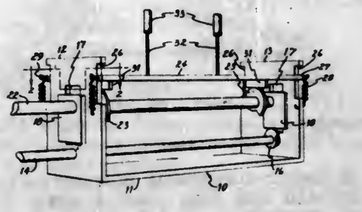
A closure device for the opening of a container comprising a reentrant flange encompassing a seat, a closure member admeasured to fit removably within the flange and to overlie and contact said seat, a gasket between said member and said seat, an elongated substantially flat and rectangularly shaped lever, a post secured to said container outwardly of and contiguous to the flange and having a horizontally disposed pintle hole extending therethrough adjacent the top thereof, one end of the lever having a pair of horizontal eyelets thereon and the openings of the eyelets being in horizontal alignment and there being a space intermediate of said eyelets, the said post being positioned in the space between the eyelets and with a pintle pin passing through the openings of the eyelet and post serving as a hinge connection for the lever, said pintle pin having a major portion thereof of uniform diameter smaller than the openings in the post and eyelets and a minor end portion of a larger diameter than said major portion, so that when the minor portion is snugly in only one of the eyelets with the major portion extending through the openings in the post and other eyelet there results a loose fitting hinge connection for the lever to the post, means for loosely securing the closure at a substantially central point to the lever intermediate the ends thereof, the lever having an opening inwardly of but adjacent its other end, a second post secured to the container outwardly of and contiguous to the flange and being substantially opposite to the first post, the second post having a reduced circumferential groove therein, the dimensions of the opening in the lever being such that an end portion of the second post passes through the opening and exposes the recess in the post, a locking member slidably mounted on the end of the lever wherein the opening is provided, the locking member having an outwardly opening recess in one end thereof, the opposite walls of said recess being such that they engage the circumferential groove in the second post to maintain the closure and the gasket on the seat under the loose connection of the hinge portion of the lever carrying the closure and allowing for a proper seating of the closure on the seat, and means carried by the lever and cooperating with the locking member to limit the sliding movements of the sliding member relative to the lever.

2,572,964

DIFFERENTIAL TUNING MECHANISM

Arthur H. Wulfsberg, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa

Application March 31, 1950, Serial No. 153,178
5 Claims. (Cl. 74—10.6)



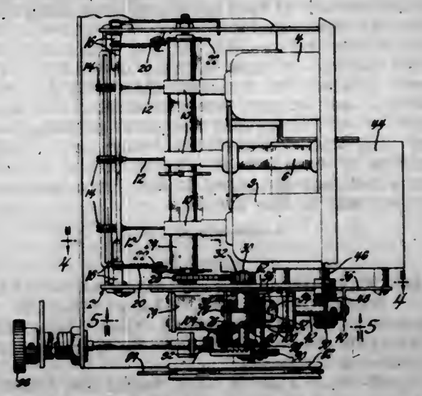
1. Means for differentially moving a body comprising a generally U-shaped frame, a first shaft rotatably supported between the legs of said frame, a block slidably supported in each end of said frame, a second shaft rotatably supported in said blocks, a pair of cams on said first shaft engageable with said blocks, a plate slidably mounted on the ends of said frame member, a second pair of cams mounted on the second shaft and engageable with said plate, and flexible means connected to said plate and said frame member, to urge the plate toward said second cams.

2,572,965

MEANS FOR TUNING RADIO RECEIVERS

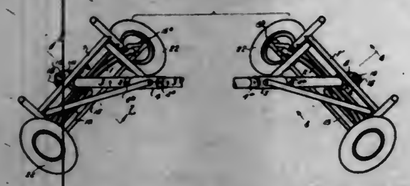
Richard W. Akemann, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 30, 1948, Serial No. 52,067
5 Claims. (Cl. 74—10.52)



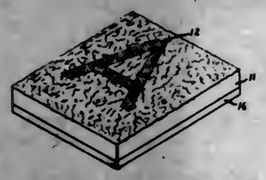
1. In radio apparatus, movable means for tuning said apparatus over a predetermined band of frequencies, a driving motor, a worm connected to the motor to be driven directly thereby, a countershaft, a worm gear mounted on the countershaft meshing with said worm, a second worm mounted on the countershaft, a second worm gear meshing with the second worm, a sun gear directly connected to the second worm gear, a second sun gear directly connected to the movable means for tuning said apparatus, a planetary gear system mounted to engage both sun gears, and manually driven frictionally loaded means connected to the planetary system to drive the same or lock it as desired.

2,572,966
FOUR-WHEEL CONTROL STEERING MECHANISM
Dallas B. Avery, Pontiac, Mich.
Application December 9, 1949, Serial No. 132,189
2 Claims. (Cl. 280—99)



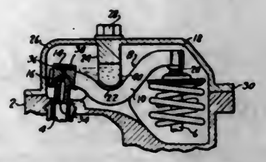
2. A trailer comprising a framework including forward and rear axles, a wheel mounting spindle pivotally secured to each end of each of said axles for turning about a vertical axis, blocks mounted and secured upon central portions of each axle, a wheel journaled on each of said spindles, a steering arm for each spindle and having one end secured to the corresponding spindle whereby the wheels may be turned about vertical axes, a steering rod interconnecting the free ends of the front steering arms and a steering rod interconnecting the free ends of the rear steering arms, a reach joined at its ends to said blocks, a pair of vertically spaced horizontal plates secured to each block centrally of its outer face, a rotative shaft extending through said reach and through each block and at right angles to said blocks, gears on the opposite ends of said shaft, a bolt adjacent each block and arranged at right angles to said shaft, each of said bolts journaled in a corresponding pair of said plates, a gear secured on each of said bolts and meshing respectively with said first gears, the gears on said bolts lying upon the same side of the axis of rotation of said shaft, means rigidly joined to each of said bolts and projecting therefrom at right angles thereto, the outer ends of said means being adapted for connection to a draft vehicle so that turning of said draft vehicle rotates the corresponding bolt connected thereto, and means interconnecting one end of each of said bolts and the corresponding steering rod, the arrangement being such that on turning of one pair of wheels in one direction, the other pair is caused to turn in a reverse direction and in like degree.

2,572,967
METHOD OF APPLYING DECALCOMANIA DESIGNS TO WRINKLE FINISHES
Maurice Axelrod, Cleveland, Ohio, assignor to Axelgale Corporation, Dayton, Ohio, a corporation of Delaware
Application July 14, 1947, Serial No. 760,854
4 Claims. (Cl. 154—95)



1. In a method of affixing patterns to articles having a wrinkle coated surface, the steps of applying to a temporary carrier a layer consisting of a mixture of a chain type thermoplastic resin and nitrocellulose; superposing a layer containing the desired pattern; depositing a thermoplastic layer having adhesive properties thereover; applying solvent to the thermoplastic resin layer to render the resin tacky; adhering the assembly to the surface to be decorated with the said adhesive layer in contact with the said surface; removing said temporary carrier from the other layers of said assembly; and heating the deposited assembly and article to secure intimate adhesion therebetween whereby the said assembly assumes the texture of said wrinkle surface and becomes substantially integral with said article.

2,572,968
ROCKER ARM CONSTRUCTION
Carl F. Bachle, Detroit, Mich., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application March 11, 1947, Serial No. 733,900
3 Claims. (Cl. 123—90)



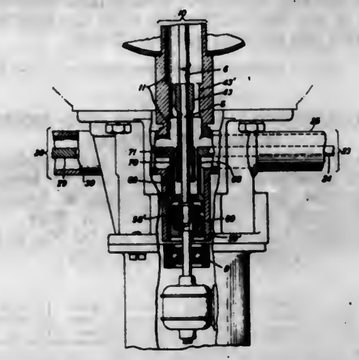
1. In an internal combustion engine, a hollow valve push rod having a rounded end, a valve, a valve assembly cover plate, a projection on the cover plate, the projection having a bearing surface, a rocker arm having its fulcrum on the bearing surface and one end in position to actuate the valve, and a concave bearing in the other end of the rocker arm positioned to cooperate with the rounded end of the push rod and being provided with an oil passage which communicates with the hollow of the push rod and which is open in the direction of the other rocker arm, the projection on the cover plate being recessed to permit oil to be projected from the concave bearing across to the other end of the rocker arm.

2,572,969
SHOCK MOUNT
David L. Bacon, North Haven, and James E. McLoughlin, New Haven, Conn., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application September 22, 1948, Serial No. 50,618
2 Claims. (Cl. 248—22)



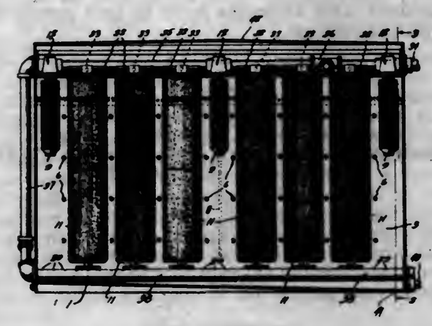
1. In a shock mount, a pair of plates, devices between said plates for supporting one of said plates upon the other for substantially free lateral movement of limited extent, and means for retaining said plates in loosely assembled relation, said retaining means comprising a pair of U-shaped end brackets secured respectively to opposite ends of one of said plates and extending in spaced relation around the end of the other of said plates, whereby said end brackets will not interfere with free action of said supporting devices.

2,572,970
COAXIAL LINE COUPLER
George H. Baker, Morristown, and Phillip H. Smith, Denville, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 31, 1944, Serial No. 552,036
11 Claims. (Cl. 178—44)



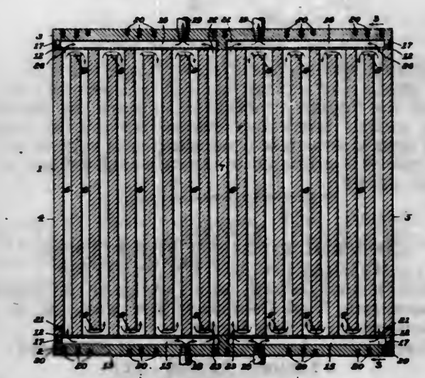
1. Means for coupling a first coaxial line with a second coaxial line having a freely rotatable central conductor comprising a skirt on the rotatable central conductor, and a sleeve rigidly connected to the central conductor of the first coaxial line and the outer conductor of the second coaxial line, said skirt having a surface cooperating with a surface of the rotatable conductor to form a wave trap, said skirt having a surface cooperating with the sleeve to form a capacity coupling for energy transfer, and said sleeve cooperating with a surface of the outer conductor of the first coaxial line to form a wave trap of high impedance.

2,572,971
LIQUID CLARIFIER
Walter C. Bauer, Chevy Chase, Md., assignor to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland
Application November 25, 1947, Serial No. 787,936
3 Claims. (Cl. 210—184)



1. A liquid clarifier comprising a liquid storage tank having an inlet and an outlet, a partition in the tank separating a liquid reservoir communicating with the outlet from a clarifying compartment communicating with the inlet, means dividing the clarifying compartment into a filter compartment and a straining compartment, strainers mounted in the straining compartment and filters mounted in the filter compartment, conduit means extending from the strainers to the filter compartment arranged to deliver liquid from the strainers to the filter compartment, said filters having discharge means delivering the liquid to the reservoir, and pressure responsive valve means in communication with the conduit means intermediate the strainers and filters adapted to open when the pressure drop across the filters exceeds a predetermined amount whereby oil from the strainers by-passes the filters.

2,572,972
PRESS PLATEN
Southard N. Baldwin, Green Ridge, Pa., assignor to Baldwin-Lima-Hamilton Corporation, a corporation of Pennsylvania
Application May 6, 1947, Serial No. 746,285
2 Claims. (Cl. 257—256)

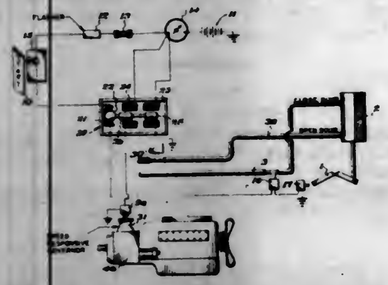


2. A temperature controlled platen comprising a plate having a plurality of drilled passages approximately parallel with each other and extending through the plate from one edge thereof to the opposite edge, the drilled passages being spaced from each other by dividing walls whose successively alternate ends are cut away to connect pairs of drilled passages adjacent to such cutaway ends, at least one such dividing wall being left intact so that the drilled passages are separated into groups, and strips each having longitudinal passages therein circumferentially enclosed entirely by material of the strip so as to be completely self-contained within the strip and being affixed to opposite edges of the plate in abutting engagement therewith to close said cutaway portions for connecting the drilled passages and to provide as many independent continuous conduits as there are groups of drilled passages, and each of said strips having laterally extending internal ports for connecting said longitudinal passages with the ends of the independent continuous conduits and laterally extending external ports for introducing a fluid into at least one of the longitudinal passages and for discharging it from at least one of the other longitudinal passages.

2,572,973
SIGNALING SYSTEM FOR VEHICLES
Arthur W. Bennett, Erie, Pa.
Application November 16, 1949, Serial No. 127,603
5 Claims. (Cl. 177—339)

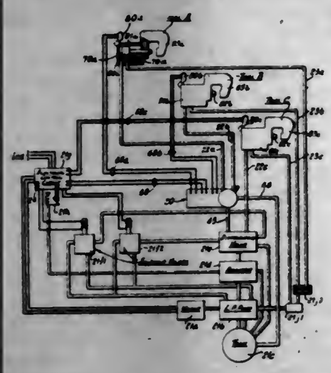
5. In a vehicle having a body and a door therein, the combination of means including a fluid pressure conduit to close the door, a fluid pressure conduit to open the door, vehicle driv-

ing means including an engine and transmission to start and drive said vehicle, an electrical circuit including an indicator visible from outside of the body, a source of electrical energy, a first switch actuatable to closed position by fluid pressure in said door-closing conduit and a second switch to complete the circuit to ground, switch



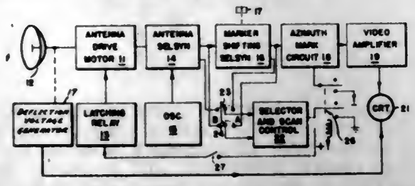
operating means connected with said vehicle driving means and serving to close said second switch when the engine is actuated to start the vehicle, said switch operating means serving to cause said second switch to open when said vehicle driving means is adjusted to operate said vehicle at a given speed.

2,572,974
CONTROL ELEMENT FOR PLURAL HYDRAULIC MOTOR SYSTEMS
Ernest Berger, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application June 16, 1949, Serial No. 99,401
6 Claims. (Cl. 60—52)



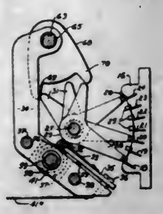
1. A mechanical system comprising, a hydraulic power plant including a motor, a pressure fluid pump driven by said motor, a tank arranged to supply and receive fluid used in the hydraulic power plant, a booster for intensifying the pressure of fluid delivered from said pump, a distributing valve connected with said booster, an electric control circuit comprising elements which regulate the operation of the power plant and including solenoid valves adapted upon application of electrical excitation thereto for the actuation of said distributing valve, and a pressure switch for regulating the maximum pressure attainable in said booster; a plurality of tools connected with the hydraulic power plant, each having a piston arranged in a cylinder so that a head end of the piston forms a part of a high pressure volume and a rod end of the piston forms part of a low pressure volume, and an electric switch, the low pressure volumes of the tools being directly connected to the pump; and a control element adapted to selectively connect the high pressure volume of either of two tools with the distributing valve so that high pressure fluid can be admitted to the high pressure volume and act upon the head end of the piston to cause movement thereof, and to simultaneously establish connection between the switch of the tool connected with the distributing valve and the electric control circuit.

2,572,975
RADIO ANTENNA SCANNING AND AZIMUTH MARKING MEANS
France B. Berger, Watertown, and Frederick F. Slack, Medford, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 20, 1945, Serial No. 611,658
11 Claims. (Cl. 343—113)



1. In a radio object detection apparatus including a rotatable antenna, means for producing a first alternating voltage the amplitude of which is proportional to the sine of the angular position of said antenna with respect to a reference direction, means including said first alternating voltage to cause said antenna to oscillate through a small angle centered about that angular position of said antenna which corresponds to alternate nulls of said first alternating voltage, means for producing a second alternating voltage of varying amplitude the amplitude nulls of which are shiftable in time with respect to the nulls of said first alternating voltage, cathode ray indicating means, means for deflecting the cathode ray of said indicating means in accordance with the angular position of said antenna, means including said second alternating voltage for producing on said indicating means a mark moving in synchronism with alternate nulls of said second alternating voltage.

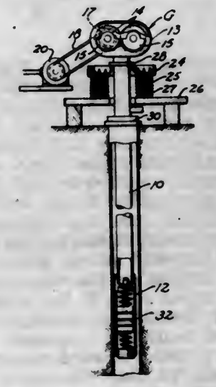
2,572,976
RADIO STATION SELECTOR
Louis Biamonte, Waterbury, Conn.
Application September 2, 1947, Serial No. 771,613
12 Claims. (Cl. 200—37)



6. In a radio station selector, a cabinet containing an elongated concave contact panel, a plurality of parallel longitudinally-extending bus bars embedded in said panel, said bus bars being provided with upstanding contact lugs disposed

in transverse rows, a series of swingable selector fingers each mounted adjacent to one of said rows, and adapted to selectively contact any one of the lugs in its respective row, means movable longitudinally of said series of fingers including a contact finger for selectively contacting any one of said selector fingers, said longitudinally movable means including an adjusting plate having lugs adapted to selectively move any one of said selector fingers for establishing electrical contact between said selector finger and any one of said bus bars, and a shaft mounted in said cabinet for operating said adjusting plate.

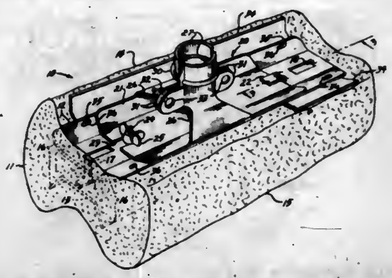
2,572,977
DEEP WELL PUMP
Albert G. Bodine, Jr., Van Nuys, Calif.
Application March 6, 1948, Serial No. 13,422, which is a division of application Serial No. 761,456, July 17, 1947. Divided and this application January 19, 1951, Serial No. 206,848
4 Claims. (Cl. 103—43)



1. In a well pumping system, the combination of: a pump tubing of elastic material having an inlet and an outlet and adapted for placement in the well in communication with well fluid therein, a check-valved pump plunger mounted for relative longitudinal reciprocation in the lower portion of said tubing, said tubing being adapted to transmit elastic deformation waves of tension and compression longitudinally through the structure thereof, a sonic wave generator at the ground surface operatively connected to said elastic pump tubing and adapted to continuously transmit alternating waves of compression and tension longitudinally down said tubing and thereby cause sonic frequency reciprocation of the lower end of said column, said sonic wave generator being operable at a speed sufficient to generate longitudinal waves in the structure of the tubing having a quarter-wave length which is no longer than substantially the length of the tubing, whereby the lower end portion of the tubing reciprocates longitudinally relative to other portions of the tubing and to said plunger.

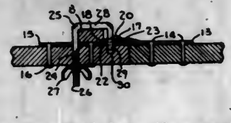
2,572,978
REVERSIBLE MOP
Felix K. Bogan, Millidale, Conn.
Application May 24, 1950, Serial No. 163,997
6 Claims. (Cl. 15—119)

1. In a mop, a pad clamped between a pair of parallel front and back plates and projecting beyond opposite edges of said plates, a yoke member comprising a base plate, a handle connected to said yoke member, means detachably securing said base plate against a central portion of said back plate, comprising a lug on said back plate overlapping one end of said base plate, and a



screw provided with a nut for clamping the other end of said base plate against said back plate, said base plate having an end slot embracing said screw and having an extent sufficient to permit said base plate to be released from said lug by movement in a longitudinal direction.

2,572,979
CURTAIN STRETCHER
Werner H. Bothe, Kenosha, Wis., assignor to Worldsbest Industries, Inc., Cudahy, Wis., a corporation of Wisconsin
Application September 4, 1947, Serial No. 772,175
3 Claims. (Cl. 287—54)

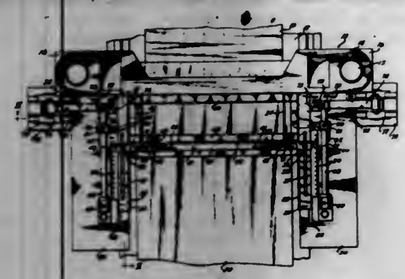


1. In a curtain stretcher, the combination with a frame member thereof having bar sections connected together by a hinge having sections provided with alined openings in the alined position of said sections and a frame member extending at an angle to said first named frame member, of a locking member anchored in one of said sections and extending through the openings of said hinge sections when said bar sections are in alined position to positively lock the same in such position and over said angularly disposed frame member, and means for moving said locking member, while in locked position relative to said bar sections, to clamp said last named frame member between it and said first named frame member.

2,572,980
SHEET STACKING DEVICE
William J. Bradford and Otto Wahl, Chicago, Ill., assignors to W. J. Bradford Paper Co., Chicago, Ill., a corporation of Illinois
Application March 10, 1948, Serial No. 14,132
9 Claims. (Cl. 271—68)

1. In a combination in a sheet stack device of the character described, means providing sheet confining vertical walls, a pair of operatively horizontally disposed stack supporting plates cooperating with the lower portions of said walls to receive and support an accumulating stack of sheets thereon, said plates including means for normally biasing the same into the stack-receiving position and being retractable for accommodating movement of the plates into stack-

dumping position, said biasing means including anti-friction rollers, and kickout members having cam surfaces engaging said rollers, said kickout members including arms mounted to swing the



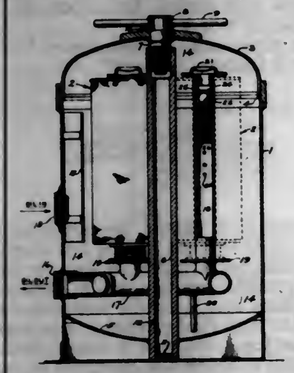
kickout members into and out of position to drive against said rollers to oppose the biasing means and retract the plates from under the supported stack of sheets.

2,572,981

SUPPORT FOR FILTER ELEMENTS

Southwick W. Briggs, Washington, D. C.

Application June 10, 1946, Serial No. 675,645
10 Claims. (Cl. 210—184)



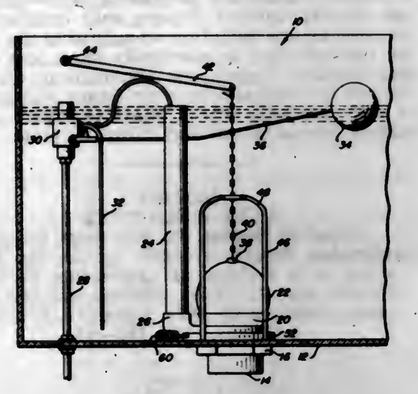
1. A support for a filter element comprising a casing having an opening providing communication between the inside and outside of the casing, a tube extending into the casing providing a conduit from the inside to the outside of the casing, a cover closing the upper end of the casing, a shoulder means secured to the tube, said tube having openings therein above the shoulder means, a perforate central tube encircling the tube and having a first end flange secured to one end, an annular plate concentric with and slidable on the central tube, resilient means between the first end flange and plate urging them apart, a second end flange detachably secured to the end of the central tube opposite the first flange adapted to engage a filter element in position around a central tube and hold it against the annular plate, means engaging the upper end of the tube and the second end flange on the central tube to hold the central tube firmly in position around the outlet tube, said shoulder means engaging the first end flange secured to the central tube, and means closing the end of the tube to prevent by-passing of the filter element by unfiltered fluid.

2,572,982

CAGED FLOAT FLUSH CONTROL VALVE

Martin P. Brown, Bremerton, Wash.

Application August 8, 1949, Serial No. 109,217
2 Claims. (Cl. 4—57)



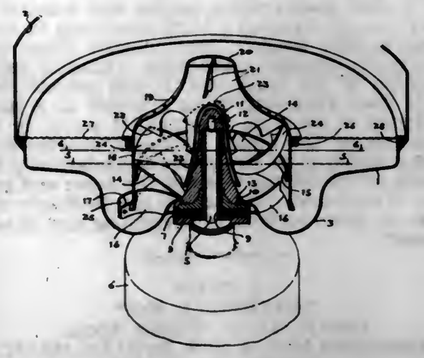
1. A float valve assembly for a flush tank having an outlet flushing conduit formed with a valve seat comprising a ball adapted to normally seat in the valve seat, lifting means for said ball, vertical guide rods for said ball surrounding said conduit and ball, the upper ends of said rods being bent inwardly relative to each other, a ring secured to the converging upper ends in vertical alignment with the conduit, said ring limiting the upward movement of the ball, a sealing ring concentrically disposed about the conduit and seated on the bottom of the tank, a split band secured to the lower ends of the rods, said band being disposed about the sealing ring, means formed on said band for engaging under said sealing ring to prevent upward movement of the band and means for clamping said band about the ring and embracing the overflow pipe in the tank.

2,572,983

IMPELLER ASSEMBLY FOR DISHWASHING MACHINES

Sidney G. Burt-Wells, Toronto, Ontario, Canada, assignor to Triumph Dishwashers Limited, Toronto, Ontario, Canada

Application January 13, 1945, Serial No. 572,653
2 Claims. (Cl. 134—191)



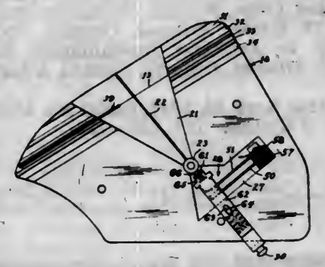
1. In a dish washing machine, the combination with a compartment to contain dishes to be washed and a motor-driven shaft extending through the bottom of said compartment, of a sleeve surrounding said shaft and connected thereto to rotate therewith, a plurality of radially extending curved impeller blades secured to said sleeve in horizontal alignment and peripherally spaced relation, a plurality of radially extending rigidly fixed vanes arranged immediately beneath said impeller blades, a sump-like formation forming the bottom of said compartment surrounding said vanes and leading to beneath said vanes, a hood concentric with and enclosing said sleeve and impeller blades and supported on said fixed vanes beneath said impeller blades and readily removable from sleeve and impeller blade enclosing position, said hood and vanes defining a plurality of openings leading within said hood from said sump-like formation to said impeller blades while preventing swirling of water beneath said impeller blades, said hood having a convergent upper end forming a discharge nozzle opening at the top through a central discharge orifice, and a plurality of inclined inwardly extending vanes rigidly secured to the interior of said hood above said impeller blades and extending upwardly to adjacent said discharge orifice and having their inward edges equally spaced from the axis of said discharge orifice and at a distance therefrom sufficient to receive said sleeve between said edges, said latter vanes forming guides to facilitate assembly of said hood on said first-mentioned vanes in sleeve and impeller blade enclosing relation with said discharge orifice located in axial alignment with said shaft, said impeller blades being curved to sweep water delivered from said sump-like formation between said first-mentioned vanes upwardly and outwardly within said hood, and said second-mentioned vanes being shaped to progressively convert upward swirl imparted to the water by said blades into upward straight line motion as the upward moving water is converged towards said nozzle to provide a solid upwardly directed high velocity stream issuing from said nozzle.

2,572,985

AUTOMATIC STOP FOR MAGNETIC RECORDERS

Marvin Camras, Chicago, Ill., assignor to Armour Research Foundation of Illinois Institute of Technology, Chicago, Ill., a corporation of Illinois

Application February 18, 1946, Serial No. 648,425
8 Claims. (Cl. 242—54)



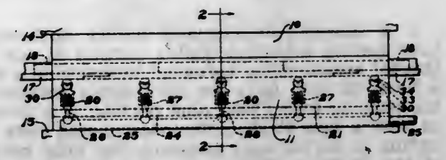
1. In winding and reeling apparatus for wire having a leader of resilient strip material secured to an end thereof, said strip having a plurality of projecting teeth along at least one of its longitudinal edges, automatic stop mechanism comprising a pair of spaced fingers through which the wire travels, said fingers being mounted for movement about an axis lying in a plane transverse to the path of travel of the wire between said fingers, the overall width of said leader, including said teeth, being slightly greater than the spacing between said fingers, means normally biasing said fingers to one position, whereby when said teeth engage a finger as said leader tries to pass between said fingers, said fingers are rocked from said one position to a second position, and means responsive to rocking movement of said fingers for stopping said winding and reeling apparatus.

2,572,984

APPARATUS FOR EJECTING ARTICLES FROM MOLDS

Eugene R. Byers, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application August 14, 1948, Serial No. 44,363
3 Claims. (Cl. 18—2)



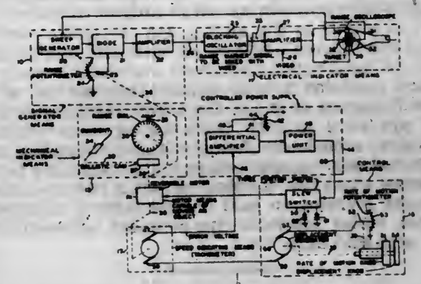
2. Apparatus for molding a strip article of material step by step, said apparatus comprising a pair of separable mold plates, one of said plates having a groove extending throughout its length, a molding bar seated in a portion of said groove and moveable therealong with the strip article, said bar and said plates together defining an elongate mold cavity for forming the strip, a series of ejectors located at intervals along said groove for releasing said bar from said groove to permit sliding of the bar along said groove step by step between molding operations, fluid-operated means for operating said ejectors in unison, and roller means on said ejectors to reduce friction in moving said bar along said groove.

2,572,986

RADAR TRACKING SYSTEM

Britton Chance, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application March 22, 1945, Serial No. 584,231
6 Claims. (Cl. 343—5)



1. A range tracking system, said system comprising electrical indicator means; signal generator means, said generator means being connected to said electrical indicator means and including a variable source of voltage, said variable voltage source controlling the position of a suitable indication in said electrical indicator means; mechanical indicator means, said mechanical means comprising a range dial, proportioning means

and sight means associated with said proportioning means; and means associated with said signal generator means and said mechanical indicator means for driving said variable voltage means, said proportioning means and said range dial at a plurality of predetermined constant speeds.

2,572,987
ARTIFICIAL INSEMINATION DEVICE
John Hooper Coles, Regina, Saskatchewan, and Wilfrid D. Davies, Ottawa, Ontario, Canada, assignors to Artificial Insemination Supply Company, Ottawa, Ontario, Canada, a partnership
Application April 18, 1949, Serial No. 88,164
4 Claims. (Cl. 128—238)



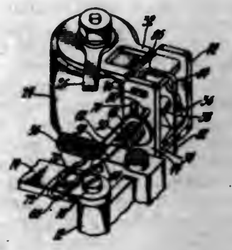
1. An instrument for use in the practise of artificial insemination comprising an outer tubular member open at both ends, one end of said tube having an inwardly turned rim, an inner tubular member adapted to move slidably within said outer member, said inner member being longer than said outer member and being closed at both ends, means to secure said members together, an aperture in the wall of the outer member, and a rod extending through said inner member of a length greater than both said members.

2,572,988
PRODUCTION OF COLORED COLLOID LAYERS
Ronald Bernard Collins, Harry Derek Edwards, and Oliver Edmund Pratt, Ilford, England, assignors to Ilford Limited, Ilford, England, a British company
No Drawing. Application May 7, 1946, Serial No. 667,990. In Great Britain May 15, 1945
5 Claims. (Cl. 117—34)

1. A method of forming a photographic element comprising a film support and a water-permeable coloured colloid layer which comprises (1) coating a film support with a layer of a water-permeable colloid containing an uncoloured salt selected from the group consisting of (a) anion-active alkali metal, ammonium and amine salts of long chain sulphonic and sulphuric acids which contain an alkyl radical of at least 8 carbon atoms in the anion, and (b) cation-active alkyl substituted ammonium salts and quaternary salts of heterocyclic nitrogen compounds each of which contains a long chain alkyl radical of at least 8 carbon atoms in the cation, and thereafter (2) applying to such layer an aqueous solution of a dye, a basic dye being selected when the uncoloured salt is anion-active and an acid dye being selected when the uncoloured salt is cation-active, thereby forming in said colloid layer a relatively stable, water insoluble dye complex between said dye and said salt.

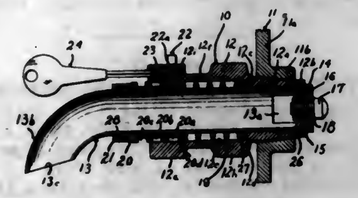
2,572,989
ELECTRIC CLOCK DRIVE
Peter R. Contant and Raymond H. Sullivan, Rochester, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 27, 1948, Serial No. 56,834
18 Claims. (Cl. 74—126)

1. In an electric clock or the like having an electromagnet and means for periodically energizing said electromagnet, a ratchet wheel, and a driving mechanism for said ratchet wheel including a pivotally mounted armature adapted to be oscillated in response to energization and de-energization of said electromagnet, a U-shaped spring wire member having substantially parallel arms forming a drive pawl and a detent pawl,



said drive pawl engaging said ratchet wheel with the free end of said pawl connected to said armature to advance said ratchet wheel during movement of said armature in one direction, and said detent pawl engaging said ratchet wheel to prevent reverse rotation of said ratchet wheel during movement of said armature in the opposite direction.

2,572,990
FAUCET
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Automotive Devices, Inc., Dayton, Ohio, a corporation of Ohio
Application July 5, 1946, Serial No. 681,578
5 Claims. (Cl. 251—163)



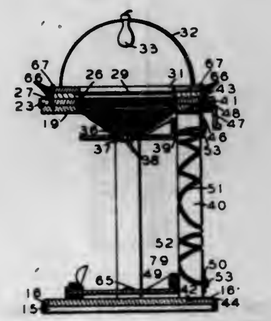
1. A faucet comprising a hollow open-ended body having a threaded plug portion at one end thereof arranged for threaded insertion in a boss, a head on said body for facilitating rotation of the body to insert said plug portion in a threaded boss, a tube slidably mounted in said body and having a ported end adjacent the plug portion of the body, a wall closing the ported end of the tube, a sealing ring replaceably mounted on said wall and projecting laterally from said tube for engaging the end face of the plug portion of the housing, a compressed spring in said housing acting on said tube to urge the seal ring into engagement with said end face, means on said tube defining a plurality of longitudinally spaced peripheral grooves, said housing having a slot therethrough communicating with said grooves, a lever pivoted in said slot adapted to be selectively seated in one of said grooves for holding the tube in a selected position in said housing, and means threaded in said housing adapted to project into said slot for locking said lever in the slot.

2,572,991
BUSHING REMOVER
Norman A. De Grand, Green Bay, Wis.
Application August 14, 1947, Serial No. 768,651
1 Claim. (Cl. 294—104)



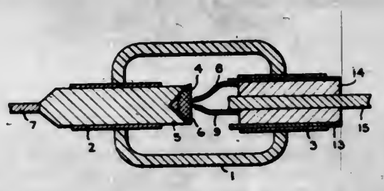
In a bushing cutter and remover having a bar like body formed with a longitudinally extending groove and provided at its rear end with external screw threads and at the forward end with a fixed jaw and a reduced portion rearwardly of the fixed jaw, the improvement comprising a movable jaw, side arms on said movable jaw straddling the reduced portion and a pivot pin passing through the arms and reduced portion to pivotally mount the movable jaw with relation to the fixed jaw, a spring interposed between the fixed jaw and movable jaw adjacent the pivot pin, a cam bar reciprocable in the groove of the bar like body, a cam on the forward end of the cam bar for coaction with the rear end of the movable jaw, a threaded actuating nut mounted on the threads on the bar like body, an operating connection between the cam bar and the nut and a pair of spaced lugs on the cam bar for bearing engagement on the opposite sides of the nut.

2,572,992
AUTOMATIC FOCUS REDUCER AND COPYING CAMERA
Ralph H. Doornbos, Wichita, Kans., assignor of one-sixth to Carl L. Doornbos and one-ninth to Perry A. Carlson, both of Wichita, Kans; one-ninth to Silas M. Elder, Boonerdale, Ark., one-eighteenth to Floyd H. Doornbos and one-eighteenth to John Doornbos, both of El Dorado, Kans.
Application September 7, 1948, Serial No. 47,974
1 Claim. (Cl. 88—24)



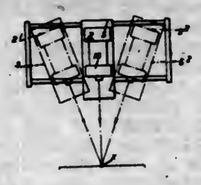
In an automatic focus enlarger and copying camera device of the kind described; said device having a copy holder plate, a lens holder plate having a lens assembly therein, and a support for an image receiving element, a focus adjusting element, said focus adjusting element being a rotatable shaft having two sets of oppositely pitched and connected threads to form two continuous thread portions, one of said threaded portions having a sleeve therearound and being in threaded engagement with its respective threaded portion and carrying the said copy holder plate, the second of said threaded portions having a second sleeve therearound and in threaded engagement with the second said threaded section and carrying the said lens holder plate and means for revolving the said shaft to simultaneously move both the copy holder plate and the lens holder plate in predetermined positions to clearly form an image on an image receiving element above the said lens assembly in variable size during the continuous turning of said shaft, and means carried by the said copy plate holder sleeve for raising and lowering the copy holder plate up and down relative to its supporting sleeve.

2,572,993
CRYSTAL CONTACT DEVICE
Ronald Walter Douglas, Wembley, and Emrys Gwynne James, Pinner, England, assignors to The General Electric Company Limited, London, England
Application November 1, 1949, Serial No. 124,756
In England November 4, 1948
17 Claims. (Cl. 175—366)



1. A crystal contact device comprising a glass envelope having two metallic tubes sealed therethrough, an element of semi-conducting crystalline material, a first supporting member inserted in and fixed to one of the tubes and supporting the crystalline element inside the envelope, at least two metallic contact members, a second supporting member inserted in and fixed to the second of the tubes and supporting the contact members so that they are mutually insulated from one another and each is in point contact with the crystalline element, and means passing inside the tubes for making electrical connection from outside the envelope to each of the contact members and the crystalline element respectively.

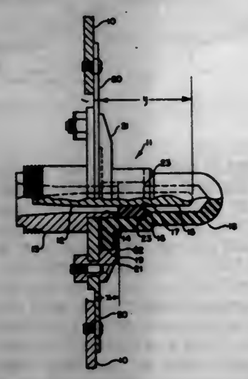
2,572,994
MOUNTING FOR CAMERAS
Leslie Peter Clarence Jack Dudley, Twickenham, England
Application June 22, 1949, Serial No. 100,641
In Great Britain June 24, 1948
1 Claim. (Cl. 95—18)



A mounting for a camera of the kind suitable for taking photographs of the parallax pano-

ramagram type, said mounting comprising a support, a carriage guided for linear movement across said support, a platform pivotally mounted on said carriage for angular movement in a horizontal plane and serving to carry a camera, means for positively moving said carriage throughout the whole of its lateral traverse in both directions, means for simultaneously turning said platform about its pivotal mounting in timed relation to movement of the carriage so that the optical axis of the camera always lies on a line passing through a common point, a lead screw adapted to be coupled to the camera for effecting focussing adjustment of the camera and a driving connection between said lead screw and said means for positively moving the carriage through its lateral traverse whereby during the said lateral traverse the focussing of the camera is adjusted to accommodate the variation in distance between the carriage and the said common point.

2,572,995
ANTENNA
Allen S. Dunbar, Watertown, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 26, 1946, Serial No. 657,142
1 Claim. (Cl. 250—33)



A beacon antenna for use in high frequency communication systems, particularly on high speed vehicles comprising an electrically conductive base plate adapted to be mounted on the surface of the vehicle and provided with an aperture, a co-axial transmission line mounted through said aperture, said line having an outer conductor secured to said base plate and projecting beyond said plate for a distance of substantially one twenty-fifth of a wavelength at the operating freqency, said line having an inner conductor mounted coaxially in said outer conductor and projecting beyond said base plate for a distance of substantially one quarter of a wavelength, the projecting portions of said inner and outer conductors being adapted to radiate and receive waves of electromagnetic energy, and a hollow cap of dielectric material mounted over the projecting portions of said inner and outer conductors and shaped to conform to the cross-sectional shape of said projecting portions, said cap being spaced from said projection of said inner conductor and having a base portion adjacent said projection of said outer conductor and secured to said base plate.

2,572,996
ABRASIVE INSERT FOR RUBBER TIRES
Thomas W. Dunlap, Pittsburgh, Pa.
Application October 27, 1948, Serial No. 56,734
2 Claims. (Cl. 152—210)



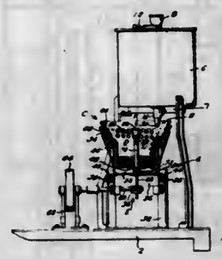
1. In a rubber tire, abrasive structures for the tread of the tire comprising flanged ferrules having a threaded opening, said ferrules being embedded in the tread of the tire and a plug having a body-milled portion for engaging the wall of the ferrule and having a threaded portion for interacting with the thread of the ferrule, said plug having a flange portion for receiving abrasive material, a portion of the flange being crimped inward to intimately engage the abrasive material, said plug having a flange portion adapted to seat on the end of the ferrule.

2,572,997
PIPE CUTTER
Charles R. Edwards, Houston, Tex.; Frances Robertha Edwards executrix of said Charles R. Edwards, deceased
Original application May 13, 1940, Serial No. 334,947, now Patent No. 2,394,759, dated February 12, 1946. Divided and this application June 11, 1945, Serial No. 598,810
9 Claims. (Cl. 164—0.6)



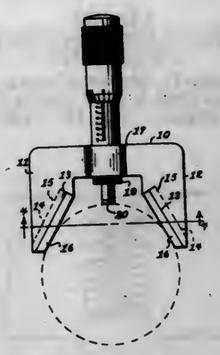
1. An outside pipe cutting tool comprising an outer housing, a pipe gripping means releasably interlocked with an upper mandrel, a lower mandrel mounted within said housing said upper mandrel being connected to said lower mandrel by a releasable screw-threaded connection, cutter members pivoted to said housing and operable upon axial movement of said lower mandrel with respect to said housing, said axial movement being caused by rotary movement of the housing when the gripping means and upper mandrel are interlocked.

2,572,998
APPARATUS FOR PRODUCING PELLETS
Hans Edward Eisner, Scarsdale, N. Y., assignor to Metropolitan Consulting Chemists, Inc., Scarsdale, N. Y., a corporation of New York
Application July 23, 1948, Serial No. 40,243
6 Claims. (Cl. 18—2.4)



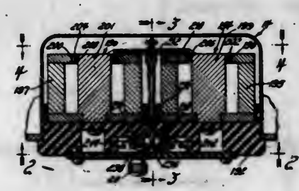
1. Apparatus for producing pellets comprising a base, a container for a pellet forming substance mounted on said base, a drop forming orifice constituting an egress from said container and depending therefrom, a housing on said base and movable thereover between a first position under said orifice and a second position free of said container, a seat within said housing, elements on said housing and said base cooperable when said housing is in its first position to rotate said seat, and a vat removably receivable in said housing on said seat for containing a pellet hardening substance into which the drops from said orifice are adapted to fall.

2,572,999
MICROMETER WITH MAGNETIC V JAW
William E. Elliott, Clovis, N. Mex.
Application September 19, 1947, Serial No. 775,117
1 Claim. (Cl. 33—178)



In a micrometer device for measuring the diameter of a shaft, a yoke having a straight portion and spaced legs formed on the opposite ends of the straight portion in perpendicular relation thereto, with the outer surface thereof in a plane at right angles to the straight portion, with the inner surface thereof in inclined relation to the outer surfaces thereof and the inclination of the inner surfaces being at 60 degrees between the inner surfaces, centrally located grooves in the faces of said inclined inner surfaces, magnetized inserts having centrally located tongues thereon receivable in said grooves, said yoke having an enlarged portion at the center thereof with a hole therein extending in the same relative direction as the other surface of the legs, a micrometer mounted in the hole, and means mounted on the micrometer for retaining the micrometer in the yoke.

2,573,000
RELAY
Albert W. Fischer, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application August 16, 1943, Serial No. 498,777. Divided and this application August 19, 1944, Serial No. 550,227
2 Claims. (Cl. 200—104)



2. In relay means, a base, movable contact means pivotally mounted on said base, bendable means having one end anchored to said base in juxtaposition to the pivotal means and deformable in a radial plane with respect to the pivotal means, a plurality of contact means adjustably mounted in spaced relation on said bendable means for engagement with the pivotally movable contact means at different positions of its rotative movement, magnetic vibratory means mounted on said base adjacent the free end of the bendable means to cause the latter to vibrate when the magnetic means is energized and thus to cause relative movement between the adjustable contact means mounted on said bendable means and the contact means on the pivotally mounted means to cause a cleaning movement.

2,573,001
ALLYL 3:5-HEXADIENOATE AND METHOD FOR PRODUCING IT
Maurice Louis Auguste Fluchaire and Georges Collardeau, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate
No Drawing. Application March 25, 1949, Serial No. 83,516. In France April 20, 1948
3 Claims. (Cl. 260—486)

1. Allyl 3:5-hexadienoate.

2,573,002
APPLIANCE FOR REMOVING AND INSTALLING OVERHEAD ELECTRIC LAMPS
Charles E. Foster, Los Angeles, Calif.
Application October 3, 1949, Serial No. 119,356
10 Claims. (Cl. 294—21)

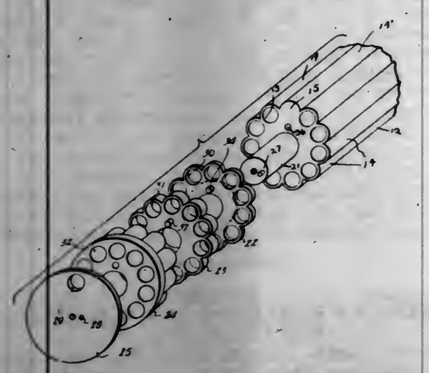
1. In a device of the kind described, an applicator member having a mouth applicable to overhead electric lamps, an elongated handle upon one end portion of which said applicator member is mounted, and air suction means carried by said handle and operatively connected with said ap-

plicator member, said mouth of said applicator being greatly elongated in a direction extending



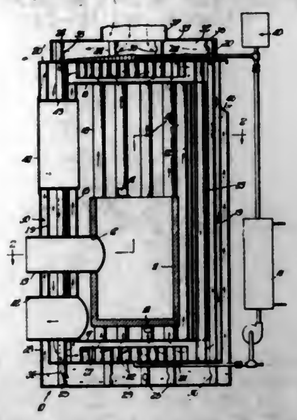
substantially at right angles to the length of said handle.

2,573,003
CARTRIDGE DISPENSER
Early P. Fraley, Doraville, Ga.
Application April 14, 1950, Serial No. 156,005
3 Claims. (Cl. 224—18)



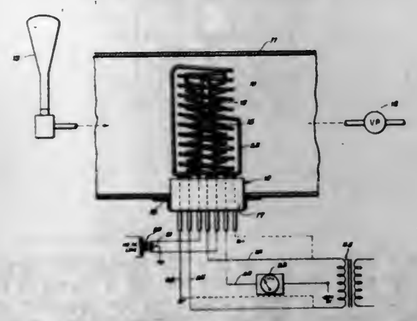
1. A cartridge dispenser for dispensing cartridges of various lengths comprising an elongated body formed with longitudinal bores uniformly spaced at equal distances from each other and located at equal radial distances from the axis of the body, a cover plate rotatably secured to one end of the body, said plate being formed with an opening selectively registrable with said bores, an axial stud projecting from the other end of the body, a plurality of disc elements of varying thickness rotatably mounted on said stud, said disc elements being formed with apertures registrable with the bores, an end plate detachably secured on the stud, said end plate being formed with an opening arranged to register selectively with the apertures of the disc elements, and means for at times locking certain of said disc elements against rotation relative to said body.

2,573,004
HOT-AIR HEATING UNIT
John C. Frank, Naperville, Ill.
Application May 20, 1949, Serial No. 94,387
8 Claims. (Cl. 237—16)



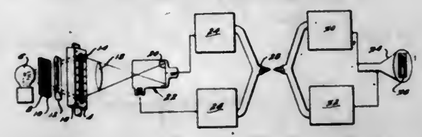
1. A direct circulation, air conditioning structure comprising an internal sealed shell, means to heat the interior of said shell, a plurality of liquid circulating tubes traversing the interior of said shell in sealed relation thereto and opening externally of the opposite ends of the latter, a plurality of air circulating tubes disposed externally of said shell, a second sealed shell surrounding said air tubes and the open ends of said liquid tubes to define a liquid receiving chamber coacting with said liquid tubes in the continuous circulating of liquid in heat transfer relation to the exterior of said air tubes, an air discharge manifold, said air tubes opening at one end thereof to said manifold, and an air intake manifold sealed from said discharge manifold, the air tubes opening at the opposite end thereof to said intake manifold.

2,573,005
IONIZATION GAUGE AND METHOD OF OPERATION
Nicholas D. Glyptis, Chicago, Ill.
Application July 3, 1948, Serial No. 36,967
8 Claims. (Cl. 175—183)



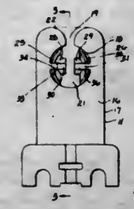
1. An ionization gauge comprising an axial filament, a collector electrode surrounding said filament, said collector electrode being formed from a single length of high resistance wire, a center tap output lead extending to the mid-point of the wire, and an anode interposed between said filament and said collector.

2,573,006
LIQUID LEVEL TELEGAUGE
James A. Good, Grosse Pointe, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application May 23, 1947, Serial No. 749,964
1 Claim. (Cl. 73—327)



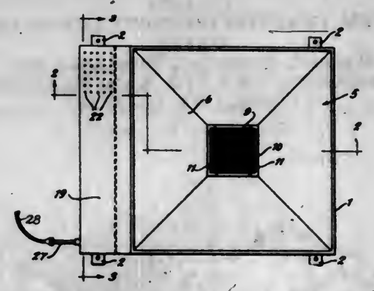
A boiler water level telegauge comprising a translucent water gauge tube adapted to be connected in communication with a steam boiler so that a level of liquid lies in the translucent tube to denote the water level in the boiler, a light source and light refracting means arranged in substantial alignment with one another and with said translucent tube to project light through the tube so that, due to the different indices of refraction of water and steam, the water-containing portions of the tube transmit only light which is substantially confined to the green region of the spectrum, and the portions of the tube above the water level therein transmit only light and radiant energy lying in the general region of the red end of the spectrum, an electronic camera tube of the image dissector type having a cathode arranged to intercept such light and radiant energy transmitted through portions of the gauge tube both above and below the liquid level, said camera tube being of the instantaneous photosignal translating type, monochromatic television transmitting means connected to said camera tube and incorporating an amplifier of the substantially linear type, and monochromatic television receiving means responsive to signals generated by said transmitting means.

2,573,007
LAMP SOCKET FOR ELONGATED TUBULAR LAMPS
Herman L. Goebel, Chicago, Ill., assignor to International Molded Plastics, Inc., a corporation of Ohio
Application July 13, 1946, Serial No. 683,460
3 Claims. (Cl. 173—328)



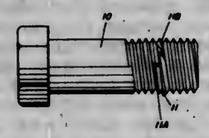
1. A socket for a lamp having spaced contact pins comprising a housing providing a front wall, spaced side walls, an end wall, and a back wall portion all integrally molded together, said front wall having a circular opening therein, said end wall having an entrance way therein merging with said circular opening, said back wall portion engaging said end wall on each side of said entranceway and extending between said side walls to provide recesses merging with said circular opening with one recess on one side of said back wall portion and another recess on the other side of said back wall portion, stop portions integral with said front wall and extending from diametrically opposite sides of said circular opening towards each other and in a plane substantially transversely of the entranceway, each of said stop portions also defining stop surfaces on opposite sides thereof with one of the stop surfaces facing the entrance way, base portions integrally connecting the respective adjacent ends of said stop portions to said back portion, said base portions having divergingly disposed side walls extending from said stop portions and terminating in a widened base at said back wall portion, and a contact member supported in each of said recesses and extending on both sides of its respective stop portion to urge a contact pin against that stop portion when the pins are inserted in the circular opening and the lamp is turned.

2,573,008
ALL-PURPOSE AUTO PARTS CLEANER
Howard L. Gorden, Painesville, Ohio
Application August 14, 1946, Serial No. 690,527
4 Claims. (Cl. 134—111)



1. An all purpose auto parts cleaner comprising a wheeled container, a main tank and auxiliary tank in said container, perforated walls separating said tanks, a filter within said walls, said tanks being adapted to contain cleansing fluid, a removable inwardly sloping tray seated within said main tank, a filter disposed centrally of said tray, a gear pump in said auxiliary tank, and means connected with said gear pump for directing the filtered cleansing fluid from the gear pump upon greasy parts of an automobile disposed above said tray.

2,573,009
THREAD LOCK
Ellis G. Green, Port Huron, Mich., assignor to himself and Nellie C. Green, Port Huron, Mich., jointly
Application October 28, 1947, Serial No. 782,607
1 Claim. (Cl. 151—22)



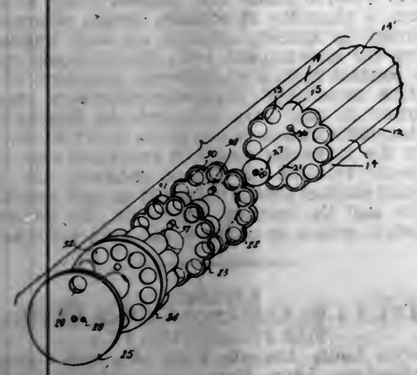
A threaded element for interlocking engagement with a standard mating threaded member to prevent unintentional separation of the two, said element having a section of its thread omitted through an arc of at least slightly more than 180°, the thread of said element at one end of said omitted section being formed to provide an abrupt surface extending substantially in a plane including the longitudinal axis of said element, and the thread at the other end of said

plicator member, said mouth of said applicator being greatly elongated in a direction extending



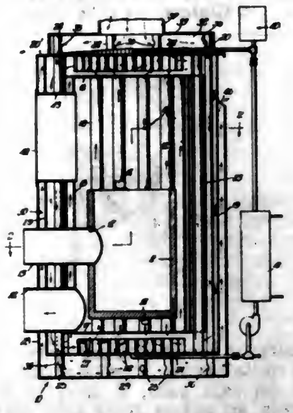
substantially at right angles to the length of said handle.

2,573,003
CARTRIDGE DISPENSER
Early P. Fraley, Doraville, Ga.
Application April 14, 1950, Serial No. 156,005
3 Claims. (Cl. 224—18)



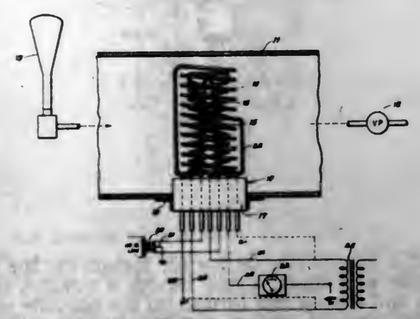
1. A cartridge dispenser for dispensing cartridges of various lengths comprising an elongated body formed with longitudinal bores uniformly spaced at equal distances from each other and located at equal radial distances from the axis of the body, a cover plate rotatably secured to one end of the body, said plate being formed with an opening selectively registrable with said bores, an axial stud projecting from the other end of the body, a plurality of disc elements of varying thickness rotatably mounted on said stud, said disc elements being formed with apertures registrable with the bores, an end plate detachably secured on the stud, said end plate being formed with an opening arranged to register selectively with the apertures of the disc elements, and means for at times locking certain of said disc elements against rotation relative to said body.

2,573,004
HOT-AIR HEATING UNIT
John C. Frank, Naperville, Ill.
Application May 20, 1949, Serial No. 94,287
8 Claims. (Cl. 237—16)



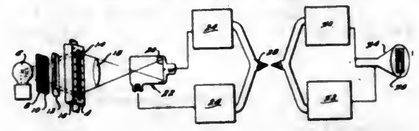
1. A direct circulation, air conditioning structure comprising an internal sealed shell, means to heat the interior of said shell, a plurality of liquid circulating tubes traversing the interior of said shell in sealed relation thereto and opening externally of the opposite ends of the latter, a plurality of air circulating tubes disposed externally of said shell, a second sealed shell surrounding said air tubes and the open ends of said liquid tubes to define a liquid receiving chamber coacting with said liquid tubes in the continuous circulating of liquid in heat transfer relation to the exterior of said air tubes, an air discharge manifold, said air tubes opening at one end thereof to said manifold, and an air intake manifold sealed from said discharge manifold, the air tubes opening at the opposite end thereof to said intake manifold.

2,573,005
IONIZATION GAUGE AND METHOD OF OPERATION
Nicholas D. Glyptis, Chicago, Ill.
Application July 3, 1948, Serial No. 36,967
8 Claims. (Cl. 175—183)



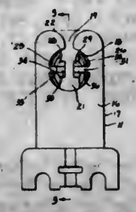
1. An ionization gauge comprising an axial filament, a collector electrode surrounding said filament, said collector electrode being formed from a single length of high resistance wire, a center tap output lead extending to the mid-point of the wire, and an anode interposed between said filament and said collector.

2,573,006
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James A. Good, Grosse Pointe, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application May 23, 1947, Serial No. 749,964
1 Claim. (Cl. 73—327)



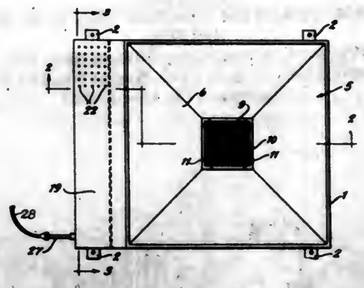
A boiler water level telegauge comprising a translucent water gauge tube adapted to be connected in communication with a steam boiler so that a level of liquid lies in the translucent tube to denote the water level in the boiler, a light source and light refracting means arranged in substantial alignment with one another and with said translucent tube to project light through the tube so that, due to the different indices of refraction of water and steam, the water-containing portions of the tube transmit only light which is substantially confined to the green region of the spectrum, and the portions of the tube above the water level therein transmit only light and radiant energy lying in the general region of the red end of the spectrum, an electronic camera tube of the image dissector type having a cathode arranged to intercept such light and radiant energy transmitted through portions of the gauge tube both above and below the liquid level, said camera tube being of the instantaneous photosignal translating type, monochromatic television transmitting means connected to said camera tube and incorporating an amplifier of the substantially linear type, and monochromatic television receiving means responsive to signals generated by said transmitting means.

2,573,007
LAMP SOCKET FOR ELONGATED TUBULAR LAMPS
Herman L. Goebel, Chicago, Ill., assignor to International Molded Plastics, Inc., a corporation of Ohio
Application July 13, 1946, Serial No. 683,460
3 Claims. (Cl. 173—328)



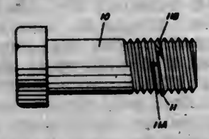
1. A socket for a lamp having spaced contact pins comprising a housing providing a front wall, spaced side walls, an end wall, and a back wall portion all integrally molded together, said front wall having a circular opening therein, said end wall having an entrance way therein merging with said circular opening, said back wall portion engaging said end wall on each side of said entranceway and extending between said side walls to provide recesses merging with said circular opening with one recess on one side of said back wall portion and another recess on the other side of said back wall portion, stop portions integral with said front wall and extending from diametrically opposite sides of said circular opening towards each other and in a plane substantially transversely of the entranceway, each of said stop portions also defining stop surfaces on opposite sides thereof with one of the stop surfaces facing the entrance way, base portions integrally connecting the respective adjacent ends of said stop portions to said back portion, said base portions having divergingly disposed side walls extending from said stop portions and terminating in a widened base at said back wall portion, and a contact member supported in each of said recesses and extending on both sides of its respective stop portion to urge a contact pin against that stop portion when the pins are inserted in the circular opening and the lamp is turned.

2,573,008
ALL-PURPOSE AUTO PARTS CLEANER
Howard L. Gorden, Painesville, Ohio
Application August 14, 1946, Serial No. 690,527
4 Claims. (Cl. 134—111)



1. An all purpose auto parts cleaner comprising a wheeled container, a main tank and auxiliary tank in said container, perforated walls separating said tanks, a filter within said walls, said tanks being adapted to contain cleansing fluid, a removable inwardly sloping tray seated within said main tank, a filter disposed centrally of said tray, a gear pump in said auxiliary tank, and means connected with said gear pump for directing the filtered cleansing fluid from the gear pump upon greasy parts of an automobile disposed above said tray.

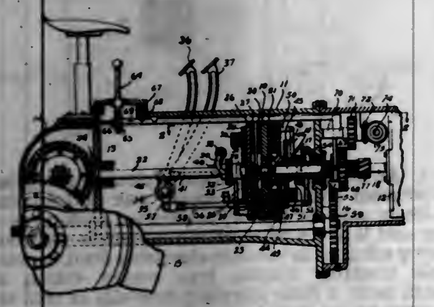
2,573,009
THREAD LOCK
Ellis G. Green, Port Huron, Mich., assignor to himself and Nellie C. Green, Port Huron, Mich., jointly
Application October 28, 1947, Serial No. 782,607
1 Claim. (Cl. 151—22)



A threaded element for interlocking engagement with a standard mating threaded member to prevent unintentional separation of the two, said element having a section of its thread omitted through an arc of at least slightly more than 180°, the thread of said element at one end of said omitted section being formed to provide an abrupt surface extending substantially in a plane including the longitudinal axis of said element, and the thread at the other end of said

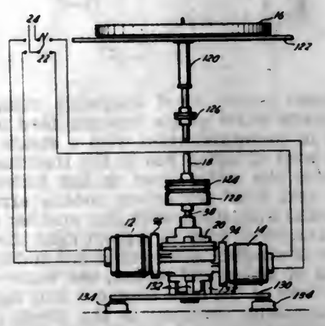
omitted section being formed to provide a camming surface lying substantially in a plane including a line perpendicular to and passing through said axis, said plane being at an acute angle to said axis; and a curved floating thread member of slightly less arcuate length than said omitted thread section of the element, loosely seated in the space provided by said omitted section and arcuately movable therein through frictional engagement of the floating member with said mating threaded member, the respective ends of said floating member being formed to complement the above-mentioned element thread formations at the ends of the omitted section, whereby upon slight relative rotation between the threaded element and its mating threaded member in one direction, wedging coaction between the complementary camming surfaces of the element thread and the floating thread member produces an axial deflection of a portion of the latter which prevents further relative rotation between and separation of the threaded element and its mating member.

2,573,010
FARM TRACTOR DOUBLE CLUTCH AND DRIVE
Wayne L. Groninger, Silver Lake, Ind.
Application July 8, 1949, Serial No. 103,681
5 Claims. (Cl. 74—15.84)



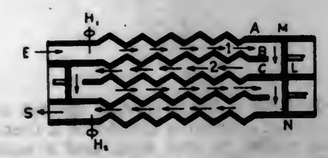
1. A tractor double-clutch mechanism of the character described comprising a housing, a first shaft extending from the tractor engine into said housing, a first clutch disc carried by said first shaft, a propeller shaft rotatably mounted in said housing in axial alignment with said first shaft, a second clutch disc slidably splined to said propeller shaft adjacent one side of said first clutch disc, means biasing said second clutch disc into frictional engagement with said first clutch disc, a sleeve rotatably mounted on said first shaft, a third clutch disc carried on said sleeve and rotated therewith adjacent the other side of said first clutch disc, means for moving said third clutch disc into frictional engagement with said first clutch disc, a slidable gear splined on said sleeve, a first auxiliary power shaft journaled in the housing, a first gear rigidly secured to said first auxiliary power shaft and arranged for meshing relation with said slidable gear, a second auxiliary power shaft journaled in the housing, a second gear rigidly secured to said second auxiliary power shaft and arranged for meshing relation with said slidable gear, and shifter means carried by the housing and engaging said slidable gear, said shifter means being formed and arranged to selectively move the slidable gear into meshing engagement with either said first gear or said second gear.

2,573,011
PLURAL MOTOR TURNTABLE DRIVE
Morris M. Gruber, New York, N. Y., assignor to Presto Recording Corporation, New York, N. Y., a corporation of New York
Application November 29, 1946, Serial No. 713,161
14 Claims. (Cl. 172—36)



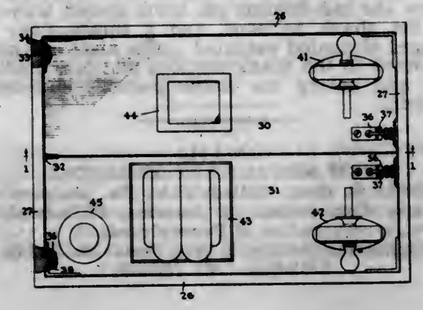
1. In combination, a phonograph type turntable, a first synchronous driving motor and means coupling the same to the turntable for driving the table at one desired uniform speed, a second synchronous driving motor and means coupling the same to the turntable for driving the table at a second desired uniform speed, said motors being A. C. motors of the synchronous type adapted to be connected to and operated in strict synchronism with a standard A. C. supply, said first and second coupling means each including an over-running clutch permitting either motor to drive the turntable with the other motor idle, a power source for said motors, and a switch means to energize one motor or the other.

2,573,012
RETARDATION GUIDE ON DECIMETRIC WAVES
Henri Gutton and Antoine Jean Ortusi, Paris, France, assignors to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application April 7, 1947, Serial No. 739,967
In France April 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1964
3 Claims. (Cl. 178—44)



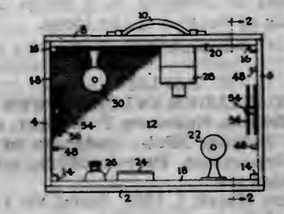
1. A guide for electromagnetic waves comprising a metal envelope having two substantially parallel opposite faces and two opposite faces alternatingly divergent and convergent with each other so as to divide the guide into several substantially identical cells which are substantially tuned to a common resonance frequency and communicate with each other through narrow passages forming irises, and regulating means arranged in the first and last cells of the guide to permit tuning of these terminal cells on the same resonance frequency as that of the intermediate cells.

2,573,013
FILM EDITING EQUIPMENT
Walter G. Haddrell, Saltville, Va.
Application June 19, 1946, Serial No. 677,733
1 Claim. (Cl. 312—20)



Film editing equipment comprising a receptacle having a top and side walls, a readily detachable bottom for said receptacle, said bottom comprising a pair of bottom boards hinged together at one corner so as to be foldable into alinement when detached from the receptacle, for thereby providing an elongated base for film editing equipment twice the length of the receptacle, said bottom boards being also foldable alongside one another to form the bottom of the receptacle, and means including manually operated latches, for holding the bottom boards in place to form the bottom of the receptacle, said means serving to quickly release said bottom boards for complete removal from the receptacle whereby they can be placed in alinement as aforesaid for use in film editing operations.

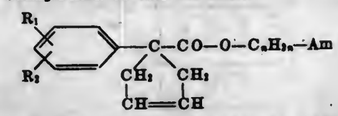
2,573,014
FILM EDITING KIT
Walter G. Haddrell, Saltville, Va.
Application November 6, 1946, Serial No. 708,089
5 Claims. (Cl. 312—20)



1. A film editing kit, comprising a container, a pair of base boards each adapted to serve as a base for film editing devices, said base boards being removable from the container, means within the container, cooperating with said base boards, for storing the base boards therein, and means for detachably coupling the base boards in end to end relation, when removed from the container.

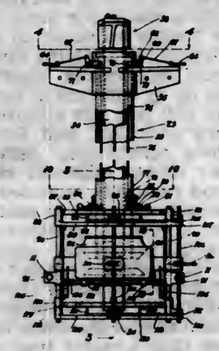
2,573,015
BASIC ESTERS OF 1-ARYL-CYCLOPENTENE-(3)-1-CARBOXYLIC ACIDS
Franz Häfliger, Basel, and Rolf Denss, Zurich, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 4, 1948, Serial No. 58,358. In Switzerland December 24, 1947
6 Claims. (Cl. 260—294.3)

1. A compound of the formula



wherein R_1 and R_2 each represents a member selected from the group consisting of a hydrogen atom, a halogen atom, a methyl and a methoxy group and, joined together, a trimethylene and a tetramethylene radical, n represents an integer from 2 to 6, and Am represents a member selected from the group consisting of a di-(lower-alkyl)-amino, a-morpholino and a piperidino radical.

2,573,016
HELICOPTER ROTOR CONTROL
Harold D. Harby, Los Angeles, Calif.
Application December 10, 1945, Serial No. 634,001
5 Claims. (Cl. 170—135.24)



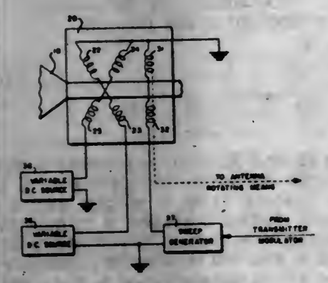
1. In an aircraft of the helicopter type, a body structure, a vertical mast mounted thereon and including a tubular rotatable drive shaft, a mast head fixed on the upper end thereof, a plurality of variable pitch propeller blades mounted upon said head, actuating means between the propeller blades and the head whereby variable pitch can be attained, operating rods connected with said actuating means and extending downwardly through the tubular drive shaft, cam levers extending through the wall of the drive shaft adjacent the lower end thereof and mounted pivotally upon said drive shaft upon axes at right angles to the longitudinal axis of the drive shaft and disposed diametrically with relation thereto, the inner ends of said levers being attached to said operating rods, cam rollers carried at the outer ends of said levers, a cam ring circumscribing said drive shaft and with which the cam rollers engage, and a mounting for said ring adapted to support the ring and permit it to move bodily and longitudinally of the drive shaft to tilt the ring fore and aft of said drive shaft and to tilt the ring from side to side.

2,573,017

CATHODE-RAY TUBE APPARATUS FOR PRODUCING SECTOR SCAN

Leland J. Haworth, Belmont, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application November 6, 1945, Serial No. 627,643
4 Claims. (Cl. 315—24)



1. Means for producing a sector type of scan on the face of a cathode ray tube to be used in conjunction with a rotating antenna of a radio object-locating system comprising a cathode ray tube, a first coil pair means situated in the vicinity of the neck of the cathode ray tube, means for applying direct current to said first coil pair means, whereby the magnetic fields set up by currents in each of the coils of said first coil pair are additive in substantially the same direction, second coil pair means adjacent to said first coil pair means, means for applying direct current to said second coil pair means, whereby the magnetic fields set up by currents in each of the coils of said second coil pair are additive in substantially the same direction, said first and second coil pair means constituting deflecting means, third coil pair means adjacent said other coil pair means and rotatably mounted and adapted to be mechanically coupled to said rotating antenna so that it rotates substantially synchronously therewith, means for applying current from a source of sawtooth current waves to said third coil pair means, whereby the varying magnetic field set up by the currents in said third coil pair means deflects the beam of electrons in such a manner that a sector type of scan is obtained, all of said coil pair means being mounted about the same portion of the neck of said tube whereby the magnetic fields set up by currents in all of said coil pair means add vectorially to produce a single deflection of the beam of electrons.

2,573,018

COMBINED FISHHOOK AND LIVE BAIT HOLDER

Claud A. Herrick, Rochester, N. Y.

Application April 4, 1950, Serial No. 153,875
2 Claims. (Cl. 43—44.8)



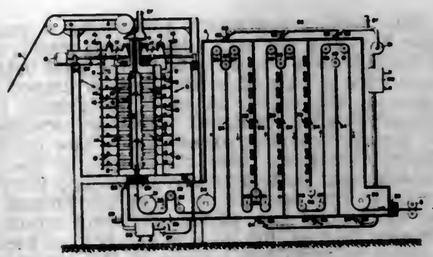
2. A unitary combined fishhook and live bait holder comprising a single section of wire bent to form a pair of elongated substantially straight parallel contacting shank portions formed at adjacent end portions to provide an attaching eye, the end portion of one shank portion remote from the eye being bent to form a fishhook extending laterally of the shank portion, the end portion of the other shank portion remote from the eye being bent to form a substantially U-shaped lateral extension projecting laterally beyond the sides of the shank portions remote from the shank hook, said U shaped lateral extension being bent to form a substantially straight elongated bait holding pin extending longitudinally of and parallel to the shank portions throughout substantially the entire length of the shank portions, the bait holding pin being spaced laterally of the shank portions, and a substantially U shaped elongated weighted cradle plate arranged adjacent to the shank portions and bait holding pin and having the shank portions embedded therein.

2,573,019

STRIP METAL HEAT-TREATING

Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania

Application October 9, 1948, Serial No. 53,742
4 Claims. (Cl. 266—3)



2. A cooling tower for cooling a strip of heated material that is being passed therethrough, guide rolls in said tower to guide said strip in a series of loops as it passes through said tower, said guide rolls being located in pairs at the ends of each loop, the rolls of each pair being spaced apart approximately a distance equal to the diameter of one of said rolls, a flexing roll between each pair of guide rolls and being so located with respect to each pair of guide rolls that the strip passing around one guide roll of a pair, a flexing roll and the other guide roll of said pair will be directed in a series of abrupt reverse bends at the end of the loops.

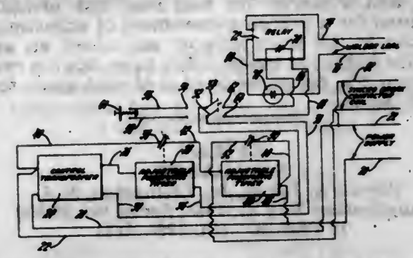
2,573,020

ARC WELDER INTERRUPTER

Arthur F. Hessler, Napoleon P. Boretti, and Karl Sarafian, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 1, 1950, Serial No. 146,978
12 Claims. (Cl. 315—246)

1. In a control system for welding means, a source of power, a welding electrode, switching means connected between the source and electrode to control the application of power thereto, a plurality of time delay relay means connected in sequence and to the power source, a second switching means operated by the final time delay relay and connected to control the first switching means, a control relay connected across one of the time delay relays and manual switching means connected in circuit with said control relay to determine the character of operation



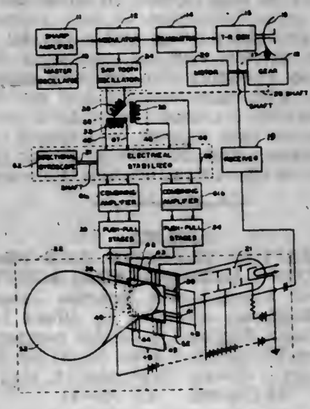
of the control system so that the timed sequence may be initiated manually.

2,573,021

COMPENSATED PLAN POSITION INDICATOR

William A. Higinbotham, Santa Fe, N. Mex., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War

Application October 30, 1944, Serial No. 561,022
8 Claims. (Cl. 343—11)



1. In an electronic mapping system for use on an aircraft, including a cathode ray tube having a screen and a source of sweep deflection voltages for producing on said screen a map-like representation oriented on said screen in a position dependent upon the direction in which said aircraft points, and means for stabilizing said map-like representation against rotary displacement when said aircraft yaws, said means including a gyroscopic device, and a multiple variable-capacitor deflection-voltage-correcting arrangement controlled by said device for modifying the deflection voltages in accordance with the yaw angle, whereby the orientation of the representation on the aforesaid screen is unaffected by said yaw.

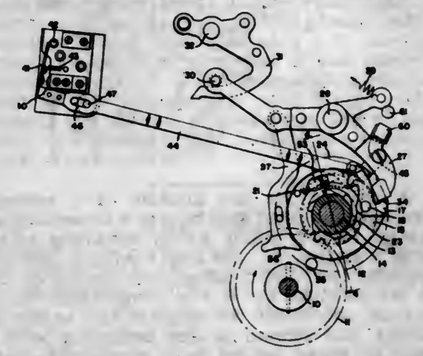
2,573,022

OPERATION CONTROL MEANS FOR CALCULATING MACHINES

Walter Homan, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application July 29, 1948, Serial No. 41,234
4 Claims. (Cl. 192—.02)

1. In a machine of the class described, a clutch mechanism consisting of a driving member, a driven member, an element carried by one of said members, a spring to move said element from a non-connecting position into a position to connect the driving member to the driven member, and a release arm normally maintaining said element in said non-connecting position; the combination of a motor to drive the driving member, a normally open switch in a circuit through said motor, a first link having one end thereof pivoted on the release arm; a second link connecting the other end of the said first link to the switch; a spring to urge the said second link in switch closing direction; a toe formed on



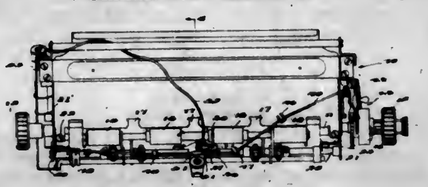
one of said links; means on one of said members coacting with said toe to normally retain said second named link in a position to maintain said switch open, and an operating device to operate said release arm to release said element to the action of the first named spring to cause the element to connect the driving element to the driven element, said release arm and first named link thereby moving said toe from engagement with said means to release the second-named link to the action of said second-named spring to cause the second-named link to move to close said switch.

2,573,023

PAGE END SIGNAL FOR TYPEWRITERS

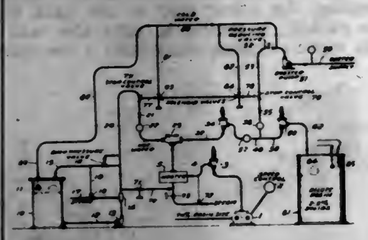
Richard Hull, Corinth, Miss.

Application December 12, 1947, Serial No. 791,291
7 Claims. (Cl. 197—189)



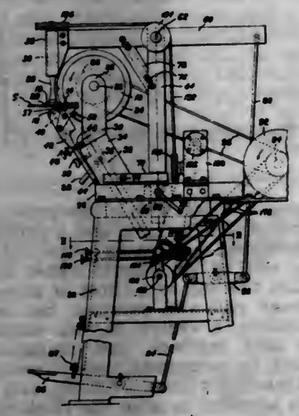
1. The combination with a typewriter carriage, a platen roll on the carriage, and a platen roll advance mechanism associated with the carriage and platen roll, of an electric signal adapted to indicate that the end of a sheet of paper carried by the platen roll and carriage has reached a certain position, a switch having contacts carried upon said carriage, the contacts of said switch being in a normally open position, and means associated with the platen roll advance mechanism adapted to urge the contacts of said switch into a closed position following a completed advance of said platen roll, the contacts of said switch being prevented from closing until a sheet of paper has reached a certain position on the platen roll.

2,573,024
METHOD AND APPARATUS FOR DILUTING ROSIN SIZE
Edgar A. Hewell, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application January 31, 1951, Serial No. 208,677
3 Claims. (Cl. 137—165)



1. A method for the dilution of a concentrated aqueous rosin size having a concentration of about 70–80% solids which comprises establishing a stream of said size having a uniform predetermined rate, heating said stream of size to a temperature above the temperature of gel formation and within the range of 140° to 200° F., mingling said stream of size uniformly with a stream of water heated to a comparable temperature within the range of 140° to 200° F. and delivered at a uniform predetermined rate such that the resulting size mixture has a solids content below that of gel formation and within the range of about 10–20% solids, homogenizing the resulting size, and then mingling the size with a stream of cold water delivered at a uniform predetermined rate such that the solids content of the mixture is reduced to 2–5% and again homogenizing the diluted rosin size.

2,573,025
SOLE EDGE BEVELING MACHINE
Cyril H. James, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 2, 1948, Serial No. 57,937
In Great Britain November 29, 1947
1 Claim. (Cl. 51—72)



In a sole edge beveling machine, a beveling tool, a work support in the form of a turntable, a feed disk having a substantially plane work-engaging surface for holding a sole down on the work support and for exerting upon the sole a force having components of feed and of cross feed, and a carrier for said feed disk pivotally mounted for a swinging movement of adjustment relative to the work support and about an axis parallel to that of the feed disk to enable the ratio between the components of feed and cross feed to be varied.

2,573,026
SEPARATOR
Ulysses S. James, Jr., Livingston, N. J.
Application July 21, 1948, Serial No. 39,860
17 Claims. (Cl. 209—423)

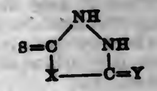


1. In a separator having a foraminous support to receive material to be separated and mounted for substantially vertical movements, and means for submerging said support in liquid, means including a cam connected to said support and having a straight portion and a curved portion tangential thereto and an operating member continuously engaging the cam and cooperative alternately with said straight and curved portions of the cam for imparting sudden downward movements to said support to suspend the material thereon, and relatively slower upward movements to effect stratification of the material.

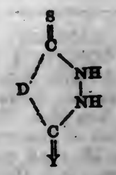
2,573,027
PHOTOGRAPHIC ELEMENT AND PROCESS UTILIZING ANTIBRONZING AGENTS
John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, Essex, England, a British company
Application November 8, 1945, Serial No. 627,518
In Great Britain November 13, 1944
16 Claims. (Cl. 95—7)



1. A photographic element including a photographic silver halide emulsion layer and in contact therewith and uniformly distributed thereover a heterocyclic compound selected from the class of those represented by the following general formulae:

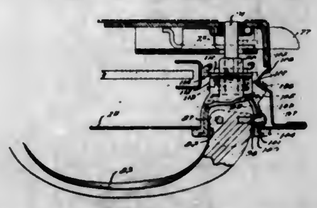


and



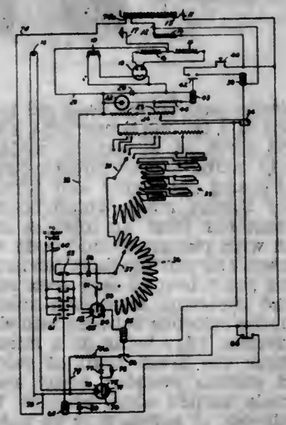
where X is selected from the class consisting of oxygen and sulphur atoms, Y is selected from the class consisting of oxygen and sulphur atoms and imino groups, and D is selected from the class consisting of substituted and unsubstituted carbon atoms completing a six-membered ring.

2,573,028
AUTOMOBILE DOOR HANDLE
Clarence F. Kramer, Birmingham, Mich.
Application July 22, 1946, Serial No. 685,480
2 Claims. (Cl. 292—356)



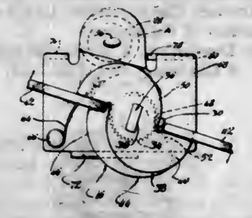
2. In a door handle operating mechanism, stationary housing mounted in a door, a rotatable socket member within said housing, a door handle pivotally connected to said socket member, a lock retracting mechanism mounted inwardly of said handle, a control shaft having one end thereof connected to said socket member and the other end thereof engaging and adapted to operate said lock retracting mechanism, said housing having a groove directed spirally about its periphery, and said socket member having slot means in spaced relation to said housing groove, and connection means carried by said handle and passing through said socket member slot means and through said housing groove whereby when said handle is manually operated said connection means will follow said housing groove and rotate the free end of said handle outwardly away from said body, and spring means to return said handle after it is manually operated to unlock the door.

2,573,029
X-RAY APPARATUS
William Carl Kuhlman, Cincinnati, Ohio, assignor to The Kelley-Koett Manufacturing Company, Covington, Ky., a corporation of Ohio
Application September 12, 1946, Serial No. 696,565
12 Claims. (Cl. 250—95)



1. In an X-ray apparatus adapted to be provided with an alternating current source of voltage and including an X-ray tube and a main electric circuit for energizing said tube, control mechanism for said tube comprising an electrical timing device for controlling the interval during which said main circuit is closed, a magnetic switch including means connected with said main circuit and said timing device for closing and opening said main circuit and for simultaneously starting and stopping respectively said timing device, a circuit adapted to be supplied from said voltage source for energizing said magnetic switch, means operated by said timing device controlling the interval during which said main circuit is closed by opening and closing said energizing circuit, and means in said energizing circuit for causing the closing of said energizing circuit to occur in a predetermined portion of a cycle of the voltage from said source and for causing the opening of said energizing circuit to occur in a predetermined portion of a subsequent cycle of said voltage.

2,573,030
CAN OPENER
Michael J. La Forte, Park Ridge, Ill., assignor to Vaughan Mfg. Co., a corporation of Illinois
Application April 3, 1947, Serial No. 739,101
3 Claims. (Cl. 30—15.5)

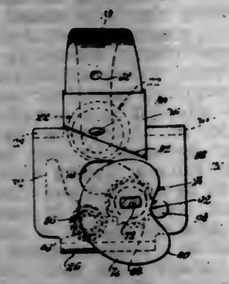


1. In a can opener for severing the end of a can, a body member, can engaging opener driving means rotatable relative to said body member for effecting relative movement between said can and opener in a direction to sever the end of the can, and resilient means including an arm fixed to and extending from said body member and an opposed arm connected to the first arm remote from the body member and extending toward said body member in position to engage the edge of the can on one side of the axis of said driving means for limiting rocking movement of said body member when said driving means is rotated.

2,573,031
CAN OPENER
Michael J. La Forte, Park Ridge, Ill., assignor to Vaughan Mfg. Co., a corporation of Illinois
Application August 26, 1949, Serial No. 112,593
14 Claims. (Cl. 30—15.5)

12. In a can opener, the combination comprising a base plate, a cutter secured on said base plate, said cutter being adapted to be positioned on the inner side of the peripheral bead of a can when said opener is in operative position on the can, guide means on said base plate for engaging the can to maintain the cutter in proper cutting relation to said can, a feeding mechanism rotatably journaled in said base plate and mounted to be rockable with respect to the plate between inoperative and operative positions, engageable cooperating means on said feeding mechanism and base plate for preventing rotation of said feeding mechanism otherwise than in a feeding direction when said feeding mechanism is in in-

operative position, and a spring member having one end immovably secured to said base plate and its free end engaging said feeding mech-



anism and designed to move said feeding mechanism to inoperative position and to hold said cooperating means in engagement when said feeding mechanism is in inoperative position.

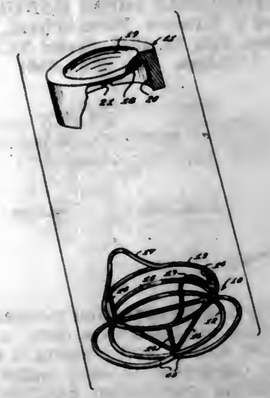
2,572,032
ELBOW LOCK MECHANISM
John H. Lambert, Los Angeles, Calif., assignor to A. J. Hosmer Corporation, Los Angeles, Calif., a corporation of California
Application December 5, 1947, Serial No. 789,955
8 Claims. (Cl. 287—14)



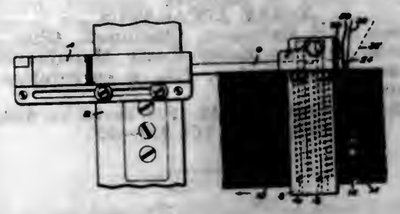
1. In an artificial limb including two members connected for relative pivotal movement: a pivot spindle carried by the first of said members and rotatable in a bearing aperture of the second of said members; a torsion spring surrounding said spindle and having one end operatively connected to said second member and the other end projecting tangentially from said spindle, said spring having an internal diameter slightly smaller than the diameter of said spindle to adapt said spring to frictionally grip said spindle by its inherent contractibility so as to resist relative pivotal movement between said first and second members; and manually operable cam means rotatable on an axis extending parallel to said spindle and engageable with said other end for moving the same in a direction tending to unwind said coil spring so as to release said spring from said spindle to permit free relative pivotal movement between said first and second members, said manually operable means including a rotatable cam engageable with said projecting end of said spring.

2,572,033
HAIR CURLER
Maude L. Lewis, York, Nebr.
Application July 6, 1948, Serial No. 37,236
5 Claims. (Cl. 132—40)

5. A hair curler frame comprising two substantially circular wire rings spaced apart and generally parallel to each other, a triangular wire reinforcing structure secured in one of said rings, angularly spaced, arcuate wire loops extending outwardly from said one ring to provide a base for winding hair on said frame, means interconnecting said rings, and a pair of diametrically opposed, U-shaped ears of easily bendable wire upstanding from the other of said rings with their outer ends bendable over hair wound on said frame to retain the hair in place thereon.

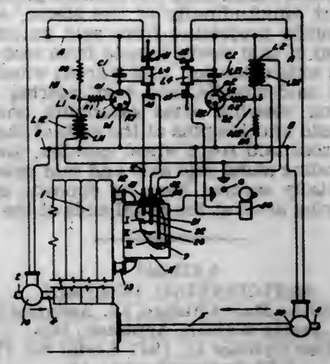


2,572,034
LOOP CUTTER FOR MULTIPLE SHUTTLE LOOMS
Henry E. Littlejohn, Greenville, S. C., assignor to J. P. Stevens & Co. Inc., Greenville, S. C., a corporation of Delaware
Application October 6, 1950, Serial No. 188,713
4 Claims. (Cl. 139—266)



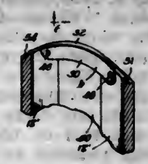
1. A selvage loop cutter designed to be affixed to the front of a temple comprising a body member in the form of a vertical plate having a downwardly facing thread directing edge sloping downwardly and outwardly and terminating in a reversely turned edge, which edges at their junction together form an apex, a cutting element fixed with respect to said body with a free portion extending substantially horizontally outwardly to a point beyond said apex and crossing said thread directing edge and spaced closely therefrom, the distance between said element and thread directing edge being at a minimum at a position near the lower limit of said directing edge, said cutting element being spaced from said reversely turned edge, whereby the thread of a shuttle out of action may be guided downwardly along said directing edge to reach said apex and in so doing pass below the end of said cutting element.

2,573,035
ELECTRONIC LEVEL CONTROL
John A. Long, Cambridge, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application July 29, 1944, Serial No. 547,218
4 Claims. (Cl. 122—448)



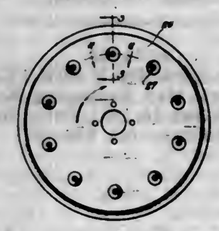
1. In apparatus for controlling the level of fluid in a container wherein several detecting probe terminals are located at various levels, the combination of: two discharge devices, each having an anode, cathode, and control electrode; a relay and voltage supply in the anode to cathode circuits of each of said devices; four detecting terminals constituting three detecting gaps adapted to be successively connected or disconnected by said fluid; a control network coupling the control electrode of the first of said discharge device to the first of said gaps, and adapted to render said first device non-conductive when said first gap is connected by said fluid; a normally closed contact operated by the relay in the anode to cathode circuit of said first discharge device, arranged to connect the probe terminals of the first and second of said gaps, thereby causing said first device to remain non-conductive when said second gap is connected by said fluid; a control network coupling the control electrode of the second of said discharge devices to the third of said gaps and adapted to maintain said second device conductive when said third gap is connected by said fluid; and emergency operator means connected in the anode-cathode circuit of said second discharge device.

2,573,036
CORNER BRACE FOR HAND LUGGAGE
John Luft, Oshkosh, Wis., assignor to Oshkosh Trunks and Luggage, Oshkosh, Wis., a corporation of Wisconsin
Application July 9, 1948, Serial No. 37,914
1 Claim. (Cl. 217—69)



In combination with a luggage reenforcing box with a curved corner wherein is an interposed molded insert having oppositely curved faces and an exposed edge of reduced thickness, a curved brace fitted to a curved face of the box and extending for the full curved distance of the insert and therebeyond, the brace being shaped to engage through substantially its entire length with the box face at the curved corner, a flange extended from one longitudinal edge of the brace to lie in a plane transversely of the axis of the curved corner of the box and arranged to engage the exposed relatively thin edge of the insert and extend thereupon for a major portion of the length thereof, and means for anchoring the brace to the box body at points outwardly of and beyond the corner insert.

2,573,037
ROLLING COLTER PROVIDED WITH DRIVING LUGS
Oakley D. Lutes, Jackson, Mich.
Application October 29, 1948, Serial No. 57,310
9 Claims. (Cl. 97—209)



8. The combination comprising a rotary plow colter provided with a plurality of apertures spaced apart in a circle a certain distance within the periphery of the colter, and a plurality of lugs each fitted into one of said apertures in a fixed position and projecting from the face of said colter to engage the soil to increase the peripheral speed.

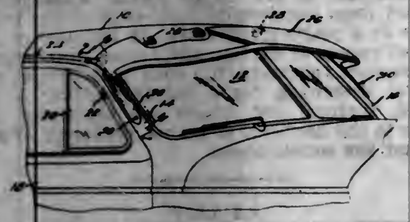
2,573,038
PAINT COMPOSITION AND METHOD OF PREPARING SAME
Ralph E. Madison, Detroit, Mich., assignor to Devoe & Raynolds Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 3, 1948, Serial No. 42,339
6 Claims. (Cl. 260—736)

1. A method of preparing a paint composition which comprises: milling factice on a roll mill; dispersing said factice in 0.25 to 4.0 parts of chlorinated rubber and an organic solvent having a kauri butanol value above 80; and grinding with pigments until the particle size has been reduced to approximately 3 on the Hegman gauge.

2,573,039
COMBINATION DRIP MOLDING AND MOUNTING BRACKET FOR AUTOMOBILE VISORS
William A. Maher, Detroit, Mich.
Application February 24, 1950, Serial No. 146,105
6 Claims. (Cl. 296—95)

1. A combination drip molding and mounting bracket for an automobile visor adapted to be mounted on the windshield pillar and in front of the wing window of an automotive vehicle comprising an elongated molding strip mountable on the windshield pillar and having a longitudinal groove at the inner side thereof extending to a point below the hinge pivot of said wing window, said strip having a hollow extension at the upper

end thereof disposed at an obtuse angle to the body of the strip to align with and overlap the forward end of the drip molding so as to direct flow from the molding into the longitudinal



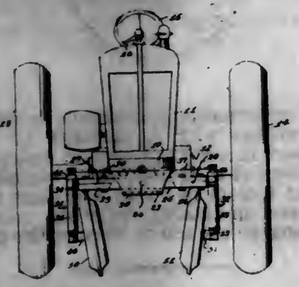
groove of the strip, said groove also adapted to receive the terminal portion of the visor and being substantially wider than the thickness of the visor so that the latter does not appreciably obstruct flow through the groove.

2,573,040

FRONT END ASSEMBLY FOR TRACTORS

Garnett May, Lexington, Ky.

Application March 16, 1951, Serial No. 215,908
3 Claims. (Cl. 280—87)



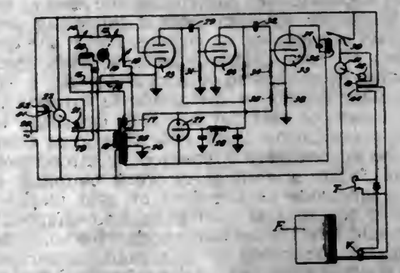
3. A front end assembly for a farm tractor comprising an elongated hollow bracket of rectangular cross sectional shape attachable to a tractor at the front end of the latter to extend transversely of the tractor substantially perpendicular to the longitudinal center line thereof, an axle extending through said bracket and having cross sectional dimensions smaller than the cross sectional dimensions of said bracket, said bracket and said axle having transversely disposed apertures at their mid-length locations, a pivot pin extending through the transversely disposed apertures in said bracket and said axle mounting said axle in centered position in said bracket for rocking movement of said axle relative to said bracket, said axle having longitudinally extending recesses at its opposite ends, axle extensions disposed one at each end of said axle and each having longitudinally extending recesses disposed one at each end and at respectively opposite sides thereof, said extensions being so disposed that one end portion of each extension is received in the corresponding recess in said front axle and the end portions of said front axle are received in the corresponding recesses in said extensions, means rigidly securing said extensions to said front axle, wheel assemblies secured one to each of said axle extensions at the outer ends of the latter, and steering means connected to said wheel assemblies, each of said wheel assemblies including a mounting block received in the recess at the outer end of the corresponding axle extension and rigidly secured to the corresponding extension, a sleeve rigidly secured near one end to said mounting block at the outer end of the latter and depending from said mounting block substantially perpendicular to said front axle, a knuckle pin extending through said sleeve, bearing means journaling said knuckle pin in said sleeve, means restraining the knuckle pin against movement longitudinally of the sleeve, a front wheel spindle projecting from said knuckle pin at the end of said sleeve remote from said corresponding axle extension, and a front wheel journaled on said spindle, and said steering means comprising steering arms extending one from each of said knuckle pins at the ends of the latter remote from said front wheel spindles, and a tie rod extending along said axle and said extensions and pivotally secured near its opposite ends to said steering arms at the distal ends of the latter.

2,573,041

ANTICIPATING CONTROL

Madeline May, Chicago, Ill., assignor to James Watson, Appleton, Wis.

Application October 15, 1947, Serial No. 779,869
8 Claims. (Cl. 236—46)



1. An anticipating control for use with a space heating system comprising motor means operable through a predetermined cycle, a control device operated by the motor means and conditioned by the motor means to supply a predetermined increment of heat to the space during each cycle, and means comprising a pair of sensitive elements outside the space for intermittently sampling the outside temperature and generating a control signal responsively to changes in such outside temperature between successive samplings, and means responsive to said control signal to start the motor on a cycle of operation only when the temperature has dropped between successive samplings by a predetermined amount.

2,573,042

HANDLE CONSTRUCTION FOR DISPENSING VALVES

Benjamin Minevitz, Hyattsville, Md.

Application July 8, 1949, Serial No. 103,654
3 Claims. (Cl. 40—67)

1. In a dispensing valve handle a body adapted for connection to the operating rod of a dispensing valve, said body having a slot extending through part of its circumference, a flag normally recessed within the body, a pivotal connection between one end of the flag and the body, said slot being widened at one end to provide a detaining notch, an offset tongue on the flag receivable in said notch to hold the flag in its recessed position, and a cone spring engaged at opposite ends with the body and flag respectively and compressed between said body and flag

to press the flag in a direction to hold the tongue within the notch, said cone spring adapted, when



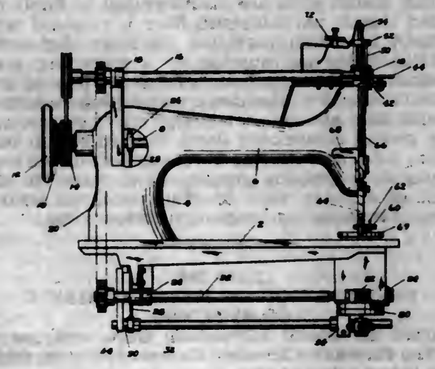
the tongue is moved out of the notch, to swing the flag on its pivotal connection outwardly through the slot to provide a projecting signal.

2,573,043

CHENILLE SEWING MACHINE

Julius Montgomery, Calhoun, Ga., assignor of thirty-five per cent to Shepherd Brothers Spread Company, a partnership composed of S. L. Shepherd and F. B. Shepherd, Calhoun, Ga.

Application May 7, 1947, Serial No. 746,439
9 Claims. (Cl. 112—79)



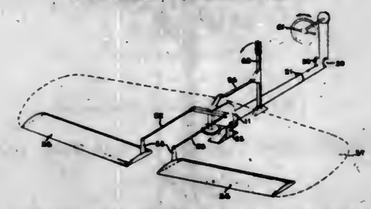
1. In a machine for forming chenille patterns on a fabric, means for holding a substantial area of fabric in taut condition, a needle, means mounting said needle for reciprocation in a direction transverse to the fabric held by such holding means, means to guide said needle to move in a circular path in a direction transverse to the longitudinal axis of the needle, a loop holding hook, means mounting said hook on the opposite side of said fabric holding means from said needle mounting means, means to move said hook to engage and hold in extended position a loop of flexible material carried through the fabric by said needle, means to guide said hook for movement in a circular path corresponding to the path of movement of such needle, and cutting means associated and movable with said hook to cut the loops formed by said needle and hook.

2,573,044

CONTROL MECHANISM

William Tudor Morris, Middletown, Ohio, assignor to Aeronca Aircraft Corporation, Middletown, Ohio, a corporation of Ohio

Application August 25, 1947, Serial No. 770,436
3 Claims. (Cl. 244—83)



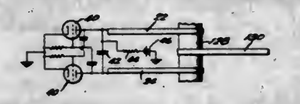
1. A control mechanism comprising; a supporting base structure, a bracket pivotally mounted on said base structure for rocking movement, a shaft rotatably journalled in said bracket, said shaft being generally vertically disposed relative to the base structure, the upper end of said shaft having a cross member fixed thereto, the lower end of said shaft having a sector pulley fixed thereto, cable means disposed around said sector pulley and including runs passing laterally through the axis of the pivotal mounting for the bracket, pairs of guide pulleys mounted on the bracket, the elements of the pairs engaging the runs disposed on opposite sides of the shaft and in line with the axis of the pivotal mounting for the bracket, a pair of control elements secured to the respective ends of said upper cross member, and operating means attached to the upper end of the bracket for actuating the bracket for rocking motion whereby pulling action on the respective cable runs causes movement of the control elements in opposite directions and movement of the operating means at the upper end of the bracket causes movement of the control elements simultaneously in the same direction.

2,573,045

TUNER FOR ULTRAHIGH RADIO FREQUENCIES

Frank M. Murphy and Joseph E. La Marsh, Chicago, Ill.

Application September 14, 1950, Serial No. 184,732
8 Claims. (Cl. 178—44)



8. A variable length transmission line particularly suitable for use as a tuner comprising in combination a conducting roller, means to roll the roller over a predetermined path, and a pair of conductors each anchored at one end to the roller and at the other end to a fixed point and spaced laterally of the path to define a transmission line short circuited at the roller.

2,573,046

ARROW-SHAPED SLIDE FASTENER

Paul Natzler, Jackson Heights, N. Y., and Robert I. Prupis, Irvington, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey

Application August 16, 1947, Serial No. 769,048
7 Claims. (Cl. 24—205.16)

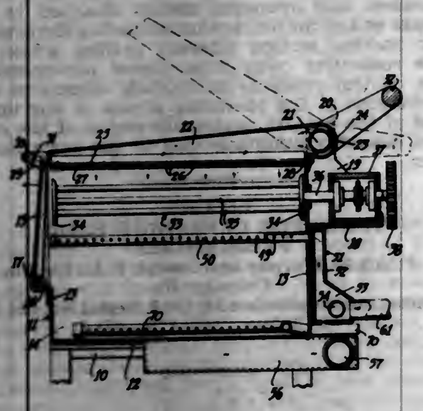
1. A slide fastener comprising tapes with interlockable fastener elements along their adja-

cent edges, one end of said tapes being cut on lines which have an arrowhead significance, and the other end of said tapes being cut on lines



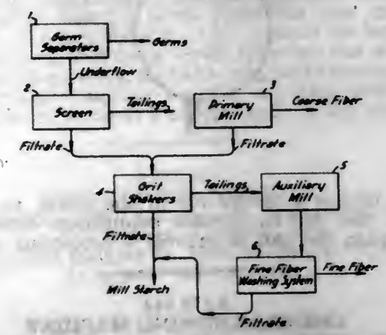
which have an arrow-tail significance, said arrow shape serving to indicate the proper direction in which the slider is to be added to the stringers.

2,573,047
DYEING MACHINE
Ferdinand C. Neu, Ridgefield, N. J.
Application September 1, 1949, Serial No. 113,521
5 Claims. (Cl. 68—206)



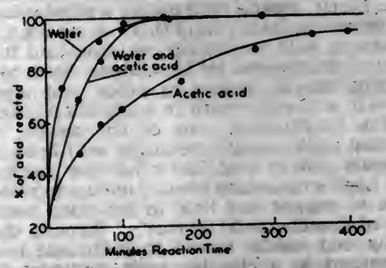
1. A machine for dyeing material comprising a tank, rotatable carriers for supporting skeins of the material mounted in said tank, a cover for the tank, comprising a hollow housing presenting a lower wall, perforated drip bars in said wall, a perforated fluid pipe passing through said housing and constituting a pivot about which the cover can be swung and a section of the housing encasing said pipe being spaced therefrom in a portion adjacent the perforations to provide for evenly distributing the fluid over the lower wall of said cover, a plurality of means for spraying dye fluid on said skeins, means for circulating the fluid through the tank, the cover and said spraying means, and means regulated by the opening and closing movements of said cover for respectively stopping and starting the operation of said fluid circulating means for controlling the circulation of the fluid.

2,573,048
STARCH MANUFACTURING PROCESS
William B. Newkirk, La Grange, and Edgar H. Williams, Glen Ellyn, Ill., Carl A. Rietz, San Francisco, Calif., and Archibald B. Dunwody, Evanston, Ill., assignors of one-half to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey, and one-half to Rietz Manufacturing Company, San Francisco, Calif., a corporation of California
Application May 26, 1950, Serial No. 164,428
17 Claims. (Cl. 127—68)



1. In a wet starch manufacturing process wherein a starch-bearing grain is steeped and cracked and the germs removed from the cracked material to form a material containing starch grits and fiber, the steps of subjecting said last named material to a disintegrating operation in which starch grits are disintegrated to finely divided starch particles and fiber is released with respect to starch particles, the zone of disintegration being surrounded by a screening area, establishing two discharges from the zone of disintegration, one discharge comprising relatively coarse fiber which is relatively free of starch, and the second comprising finely divided starch particles together with fine fibrous material, and continuously supplying supplemental water to the zone of disintegration to effect continual hydration of material undergoing disintegration.

2,573,049
PREPARATION OF METAL-ORGANIC COMPOUNDS
Harold M. Olson, Vermillion, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
Application August 31, 1950, Serial No. 182,599
7 Claims. (Cl. 260—97.5)



1. In the manufacture of compounds of metals of the class consisting of manganese, magnesium, and calcium, the steps of reacting together in the temperature range from 100° C. to 160° C.,

metal in the metallic state and a high molecular weight, organic monocarboxylic acid of the class consisting of aliphatic, alicyclic, rosin, and tall oil acids having from 8 to 22 carbon atoms in the molecule, the metal being present in excess of the amount required to react with said acid, and the reaction being carried out in the presence of a catalyst of the class consisting of water, and a mixture of water with a low molecular weight organic acid of the class consisting of formic, acetic, propionic, oxalic, citric, and tartaric acids.

2,573,050
METHOD OF EXTRUDING PLASTIC RODS HAVING A SPIRAL DESIGN
Camillo Dante Orsini, Highland Park, N. J., assignor to Nixon Nitration Works, Nixon, N. J., a corporation of New Jersey
Application December 3, 1948, Serial No. 63,306
4 Claims. (Cl. 18—48.3)



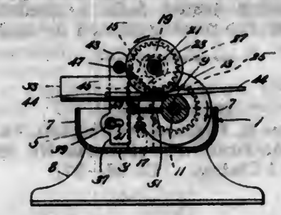
1. The method of forming designs in extruded plastic material comprising the step of extruding with a reciprocating ram a charge of plastic material, having associated portions of differing visual characteristics, through a rotating die from a single stuffing chamber to which the charge is fed as a unit from a single source of supply.

2,573,051
ART OF MAKING LUMINESCENT SCREENS
Serge Pakswer, Elmhurst, and Adolph W. Schmidt, Chicago, Ill., assignors to The Rauland Corporation, a corporation of Illinois
No Drawing. Application October 7, 1949, Serial No. 120,219
17 Claims. (Cl. 117—33.5)

4. The process of forming a luminescent screen on a solid surface to be coated which comprises: providing a colloidal silica suspension, having a pH value in the range from pH 8.0 to pH 9.5, in an aqueous solution of a water-soluble inorganic ammonium compound and a water-soluble sulfide in a concentration greater than .01 normal; placing said suspension in contact with said surface; distributing particles of luminescent screen material over the surface of said suspension; allowing said material to settle through said suspension and deposit upon said solid surface; and removing excess suspension from contact with said solid surface.

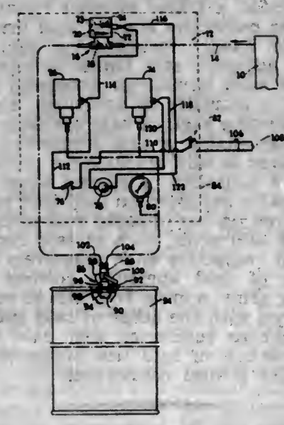
2,573,052
LIQUID COATING DEVICE
Raymond H. Parker, Braintree, Mass.
Application January 24, 1948, Serial No. 4,175
6 Claims. (Cl. 91—29)

1. A liquid coating device for flat flexible sheet material having in combination a container for the liquid coating material, a liquid applying roller having a concave profile, means for supporting said roller so that its outer surface is immersed in the liquid coating material, a feed roller, means for rotatably supporting the feed roller above and adjacent to the coating roller with its axis parallel to that of the latter, and a guide plate mounted on the container having an edge thereof adjacent the coating roller, the feed roller being so positioned that it presses the sheet material against the guide plate and feeds the



material past and in contact with the coating roller.

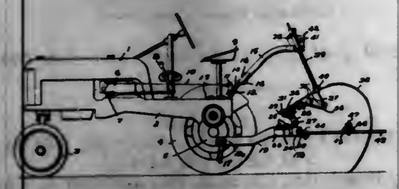
2,573,053
SYSTEM FOR TESTING CLOSED RECEPTACLES FOR LEAKS
Philip Pearlman, Chicago, Ill., assignor to United States Barrel & Drum Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1948, Serial No. 28,364
7 Claims. (Cl. 73—40)



1. An apparatus for testing closed receptacles, which apparatus is adapted to be used with a source of compressed air and a source of electric energy, said apparatus comprising a normally closed electrically controlled valve, a quick attachable and detachable fluid-passing bung adapted to be attached to and detached from a receptacle to be tested, conduit means connecting said source of compressed air to the inlet of said valve, conduit means connecting the outlet of said valve to said bung, a switch, means controlled by the switch and responsive to the pressure within the receptacle being tested to connect said source of electric energy to said valve and thereby open the same when the switch is closed and the receptacle is being filled with compressed air so long as the pressure in said receptacle is below a predetermined pressure less than the pressure of the source of compressed air and to disconnect said source of electric energy from said valve and thereby close the same when the air pressure of the receptacle being filled is at said predetermined pressure, whereby said receptacle will be filled with air at a predetermined pressure less than and independent of the pressure of the source of compressed air, an electrically controlled signalling means, and means responsive to the pressure of the air within the receptacle to connect the signalling means to said source of

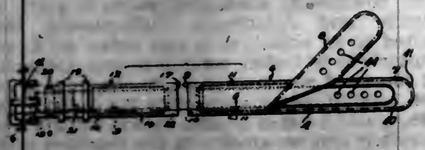
electric energy and thereby render the same effective when the pressure of the air inside the receptacle being tested falls a predetermined amount below the predetermined pressure.

2,573,054
DUMP RAKE
Charles R. Pearson, Newington, Va.
Application June 16, 1949, Serial No. 99,533
3 Claims. (Cl. 56—27)



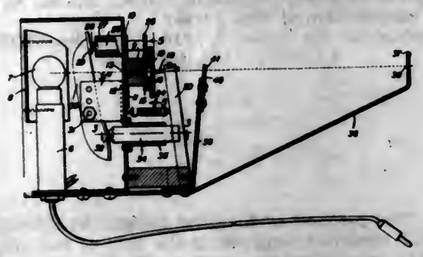
1. A dump rake comprising a pair of elongated, laterally spaced and parallel draw bars having opposed ends, means detachably connecting one of the respective ends of said draw bars with a traction device, a frame member rigidly secured to the other respective ends of said draw bars, a hinge plate fixedly mounted on each of said draw bars adjacent said frame member, a pair of brackets each having an extension arm provided with a plurality of apertures, means pivotally connecting each of said brackets with one of said hinge plates, a tine supporting member rigidly secured to said brackets for pivotal action therewith, a plurality of spaced tines pivotally and detachably mounted on said tine supporting member, a rod having opposed ends complementing each of said arms, each of said rods having one of their respective ends selectively engaging within one of said apertures formed in their cooperating arms, a cross rod, means connecting said cross rod with the other of said ends of said rods, and means connected with said cross rod to effect rotation of said tine supporting member about its pivotal connection.

2,573,055
REINFORCED WRIST WATCH BAND
Bernard G. Pedersen, San Francisco, Calif.
Application December 4, 1947, Serial No. 789,660
1 Claim. (Cl. 224—4)



In a wrist watch strap, the combination with a pair of two ply strap sections, one of said sections having a buckle on one end, the other of said sections having a tongue formed on one end, both of said sections being formed with transversely extending bights on the ends opposite to said tongue and buckle; of a metallic sleeve in each bight, spaced metallic sleeves engaging the rear cross bar of the buckle, a pair of flexible non-resilient reinforcing strands of wear-resisting material and incorporated in each section between the plies thereof, said strands being laterally spaced and extending longitudinally substantially the entire length of each section, an end of each strand in each section being connected to one of said sleeves and the free ends of each strand section within the buckle-carrying portion connected rigidly to each of the buckle-engaging sleeves, whereby the opposite end of each strand in said buckle section is pivotally secured to said buckle by the spaced metallic sleeves and the opposite ends of said strands in said tongue section being merged to provide a bight in the region of the tongue end.

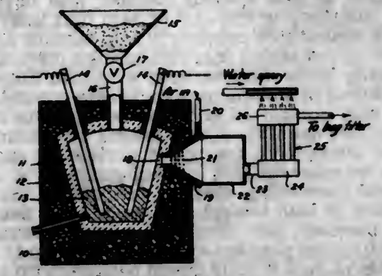
2,573,056
OPTICAL LENS ALIGNER
August E. Polinske, Wausau, Wis.
Application March 4, 1948, Serial No. 12,922
7 Claims. (Cl. 88—56)



1. In a lens aligner including a housing having an apertured lens holding block supported at the front of the housing and a sighting means disposed in front of and carried by said housing in substantial alignment with the aperture in said block, a lens holding means comprising a pair of upstanding lens holding arms, pivot means at the front of the housing for the lower ends of the arms, means at the upper ends of the arms adapted to bear against a lens under test adjacent its side edges for holding the lens against the block and in alignment with said sighting means, a push rod slidably supported in the front of the housing and with the front end of the push rod engaging the arms, a rocker arm pivoted in the housing with one end engaging the rear end of the push rod, and a push button slidably mounted in the front of the housing in operative engagement with the other end of the rocker arm to swing the lens holding arms forwardly into lens releasing position.

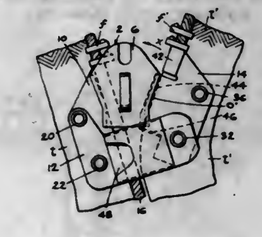
2,573,057
PROCESS OF PREPARING WHITE FINELY DIVIDED AMORPHOUS SILICA
John L. Porter, Palo Alto, Calif., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application September 11, 1947, Serial No. 773,494
7 Claims. (Cl. 23—182)

1. Process of preparing white finely divided, amorphous silica in spherical particles which comprises reacting silica in a reducing zone with a carbon reducing agent, in a molten, electrically conducting silicate slag while passing an electric current through said slag to provide heat for the reaction, to produce a gaseous mixture of silicon monoxide and carbon monoxide, withdrawing said gaseous mixture from said reducing zone, oxidizing said mixture while maintaining it at a temperature of at least 1600° C. to produce a suspension of finely divided silica in a gaseous mixture, quickly cooling said suspension to a temperature of not over 1000° C.,



and mechanically separating the finely divided silica from the gaseous mixture.

2,573,058
RELEASING END STOP NONSEPARABLE SLIDE FASTENER
David Rabinow, Maplewood, and Otto J. Moehler, Newark, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application August 31, 1945, Serial No. 613,890
3 Claims. (Cl. 24—205.11)



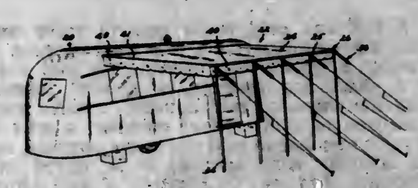
1. A releasing end stop non-separable slide fastener comprising a slider-retaining stringer, a slider-releasing stringer, each of said stringers being formed of tape having spaced, interlockable fastener elements secured thereto, a slider movable along the stringers to open and close the fastener, the slider comprising front and rear wings spacedly united to form a guide channel for the fastener elements and open at the sides so as to straddle the stringers, a releasing end stop secured to one of said stringers near the top thereof, whereby upon movement of the slider beyond the releasing end stop the stringers may be stripped apart and the slider returned to the bottom of the fastener upon the slider-retaining stringer preparatory to re-assembly of the stringers, and means permanently connecting the stringers at their bottoms to produce a non-separable slide fastener, said means comprising a member fixed to the slider-retaining stringer and a member fixed to the slider-releasing stringer, said members being pivotally connected together so that said members may be moved from a spread condition, when the stringers are stripped apart and the fastener elements are not in position to be interlocked by the slider, to a normal condition, when the fastener elements on the stringers are in position to be interlocked by the slider, the member on the slider-releasing stringer embodying an element engageable by the returning slider for returning said members from spread to normal condition.

2,573,059
RELEASING END STOP NONSEPARABLE SLIDE FASTENER
David Rabinow, Maplewood, and Otto J. Moehler, Newark, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Original application August 31, 1945, Serial No. 613,890. Divided and this application March 28, 1951, Serial No. 217,938
2 Claims. (Cl. 24—205.11)



1. In a releasing end stop non-separable slide fastener having a slider-retaining stringer, a slider-releasing stringer, each of said stringers being formed of tape having spaced, interlockable fastener elements secured thereto, a slider movable along the stringers to open and close the fastener, the slider comprising front and rear wings spacedly united to form a guide channel for the fastener elements and open at the sides so as to straddle the stringers, a releasing end stop secured to one of said stringers near the top thereof, whereby upon movement of the slider beyond the releasing end stop the stringers may be stripped apart and the slider returned to the bottom of the fastener upon the slider-retaining stringer preparatory to reassembly of the stringers, means permanently connecting the stringers at their bottoms to produce a non-separable slide fastener, said means comprising a member fixed to the slider-retaining stringer and a member fixed to the slider-releasing stringer, said members being movably connected so that said members may be moved from a spread condition, when the stringers are stripped apart and the fastener elements are not in position to be interlocked by the slider, to a normal condition, when the fastener elements on the stringers are in position to be interlocked by the slider, resilient means for automatically returning said members to the normal condition, the member fixed to the slider-releasing stringer including a part movable through the opening at the adjacent side of the returned slider to cause that side of the slider to again move astride of and straddle the slider-releasing stringer as the members are returned to the normal condition.

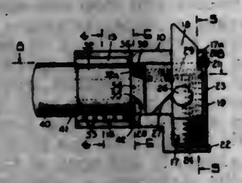
2,573,060
TRAILER AWNING
Gerard Baglas, Kankakee, Ill.
Application June 19, 1948, Serial No. 34,063
13 Claims. (Cl. 135—5)



12. An awning comprising a sloping, pliable, roof member having the outer edge thereof

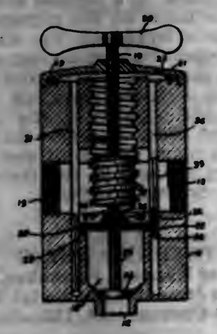
turned back and secured to the underside of said roof member to form a hem-like pocket having a plurality of longitudinally spaced openings provided therein and the remnant of said edge portion extending downwardly from said roof member and spaced rearwardly from said pocket to form a valance, a stiffening rod extending through said pocket and having a plurality of loop-shaped elements projecting therefrom and cooperating with said openings, and a plurality of supporting poles engageable with said loop-shaped elements.

2,573,061
COMPARTMENT LOCK
Frank E. Raymond, Surry, N. H., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application January 22, 1947, Serial No. 723,496
18 Claims. (Cl. 70—81)



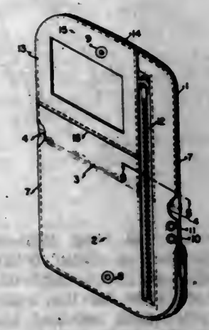
1. In a lock of the class described, a casing, a latchbolt movable in said casing, a retractor for said latchbolt movable in an opening of said casing, a key plug slidable in a bore of said casing, and a bayonet joint connection between said retractor and key plug made by relative movement between said key plug and retractor.

2,573,062
HOT AND COLD WATER CONTROL VALVE
Dorothy B. Redward, Seattle, Wash.
Application February 15, 1946, Serial No. 647,829
2 Claims. (Cl. 277—18)



1. A hot and cold water control valve comprising a housing having a first inlet opening for hot water, a second inlet opening for cold water, and a discharge opening, a control member threadedly engaging said housing, a valve member secured to said control member, a seat for said valve member in said discharge opening, said valve member being adapted to be moved from and toward said seat by rotation of said control member to thereby control the opening and closing of said discharge opening, a first gate member in said housing adapted to be moved across said first inlet opening, said housing being formed with a guide way slidably receiving said first gate member, said guide way extending in a plane parallel to said control member and normal to and intersecting the axis of said first inlet opening, a second gate member in said housing adapted to be moved across said second inlet opening, said housing being formed with a second guide way extending in a plane parallel to said control member and normal to and intersecting the axis of said inlet opening, a first lateral connecting element connecting the upper portion of said first gate member to said control member, a second lateral connecting element connecting the lower portion of said second gate member to said control member, said first gate member being held in fully open position and said second gate member being held in fully closed position with respect to their respective housing inlet openings when said valve member is in seated position and being movable through intermediate positions to fully closed position of said first gate member and fully open position of said second gate member responsive to movement of said valve member to its wide open position.

2,573,063
COMBINATION PURSE AND BILLFOLD
Emil Karl Renz, Dedham, Mass., assignor to Knight Leather Products Inc., Jamaica Plain, Mass., a corporation of Massachusetts
Application February 19, 1948, Serial No. 9,433
1 Claim. (Cl. 150—35)

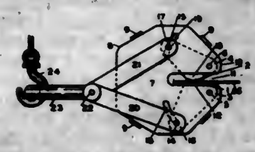


A combination purse and billfold having an outer wall and an inner wall, slide fastener means forming a closure between the outer wall and the inner wall around the periphery at one end of the combination purse and billfold forming a purse closure for the combination, said outer and inner wall being joined at least along one side and the other end of said combination, a gusseted pocket having one wall only attached to the inside of the outer wall of the combination with the opening for said pocket facing and adjacent said closure, the edge of the opening being sufficiently close to said closure whereby a coin inserted in the pocket cannot slide over the edge of the opening.

2,573,064
LIFTING CLAMP
Stanley Robson, Parktown, Johannesburg, Transvaal, Union of South Africa
Application December 1, 1949, Serial No. 130,405
In the Union of South Africa November 24, 1949
1 Claim. (Cl. 294—106)

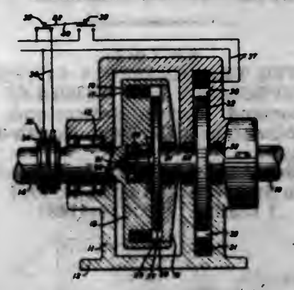
A lifting clamp consisting of a pair of plates rigidly held in parallel spaced relation, corresponding centrally positioned inwardly arched

recesses, one in the bottom of each plate, a pair of clamping jaws, serrated cam shaped clamping faces for the jaws projecting across said recesses, a pair of pivots in the clamp one positioned on each side of the recess for holding the outer ends of the jaws, a pair of arcuate slots in each
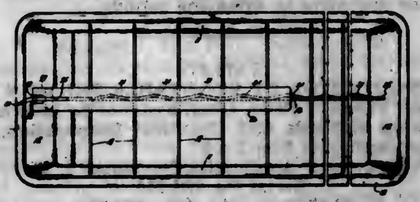


plate, pins fitting through the upper portions of the jaws and projecting through said arcuate slots, a pair of pantographic links rotatably connected at their inner ends to the pins and a shackle rotatably connected to the outer ends of said links.

2,573,065
MAGNETIC FLUID CLUTCH AND BRAKE
Vincent J. Salemme, Staten Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 17, 1948, Serial No. 60,496
5 Claims. (Cl. 192—12)



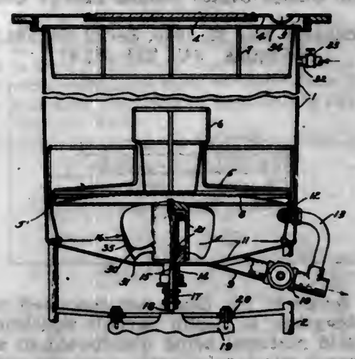
1. In a combination clutch and brake structure, a stationary housing including a closed chamber, magnetic driving and driven members in spaced relation in the chamber, a unitary body of fluid having magnetic particles suspended therein disposed between the members and between the driven member and the housing, and means for selectively magnetizing different portions of the fluid body to selectively establish a viscous connection between the driven member and the driving member, or between the driven member and the housing.

2,573,066
FREEZING TRAY
Frederick W. Sampson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 7, 1946, Serial No. 639,529
2 Claims. (Cl. 62—108.5)



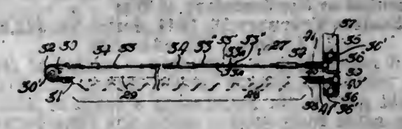
1. A partitioning grid for a freezing tray for dividing the frozen contents into ice blocks of suitable size for table use, said grid having a central partition and a series of cross partitions mounted thereupon, and a laterally distortible longitudinally movable block-loosening member overlying said central partition and arranged so as to be solidly embedded in the ice, and force-multiplying means for forcing said member to move endwise through the ice and to distort laterally as a result of the endwise force thereupon whereby to progressively loosen at least some of the ice blocks from said grid.

2,573,067
DISHWASHING MACHINE
Stig Conny Georg Sandberg, Jonkoping, Sweden
Application June 27, 1947, Serial No. 757,451
In Sweden May 31, 1945
2 Claims. (Cl. 299—63)



2. In a dish washing machine having a housing, means for holding articles to be washed, and means for agitating and spraying liquid contained in the lower portion of said housing in an upward direction, the improvement which comprises a vertical shaft and a hub mounted thereon, said hub carrying radially spaced laminar impeller blades, the outer edges of which are secured to each other along a portion of said edges so as to provide a channel therebetween, whereby liquid will be scooped up by said blades with their leading edges and caused to flow violently through the same and be discharged upwardly from the trailing edges of said blades, while air will be drawn in through the open portions of the outer edges.

2,573,068
CUTTER-BAR ACTUATING MECHANISM
Percy Elmer Scharf, La Riviere, Manitoba, Canada
Application April 21, 1949, Serial No. 88,766
1 Claim. (Cl. 56—296)



A cutter-bar actuating mechanism comprising in combination with said bar and a supporting framework, a freely journalled sprocket wheel mounted on said framework near one end of said cutter-bar, a single-lay sprocket chain extending around said wheel and being anchored at one end to one end of said cutter-bar, an

adjustable-length pitman secured to the opposite end of said chain capable of endwise movement substantially parallel to said cutter-bar, a rotatable drive-shaft connected to a source of power, and a double-crank eccentric assembly at one end of said shaft, a flexible connection between one of said cranks and the adjacent end of said shaft, and a further flexible connection between the other of said cranks and the other end of said cutter-bar to effect oscillating movement of said cutter-bar, said flexible connections ensuring tension in said cutter-bar during operation thereof.

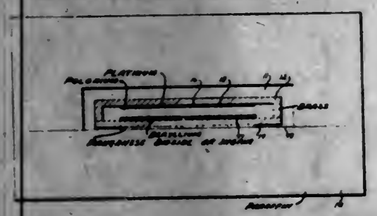
2,573,069

METHOD AND APPARATUS FOR MEASURING STRONG ALPHA EMITTERS

Emilio G. Segrè, Santa Fe, N. Mex., assignor to the United States of America as represented by the United States Atomic Energy Commission

Application May 22, 1945, Serial No. 595,193

2 Claims. (Cl. 250—83.6)



1. A device of the character described having in combination, an alpha particle emitting material, said material being distributed in a thin layer over a substantial area, a second material capable of emitting neutrons upon bombardment by alpha particles from said first material, said second material being of planiform configuration, the area thereof corresponding generally to the area of said first mentioned material, and disposed in spaced relation to said first material within the effective range of alpha particles emitted therefrom, and a third material capable of becoming radioactively excited upon bombardment by neutrons emitted from said second material, said third material being of planiform configuration and of area corresponding to the area of said first and second materials and supported in spaced relation therewith beyond the effective range of alpha particles from said first material and within the effective range of neutrons from said second material.

2,573,070

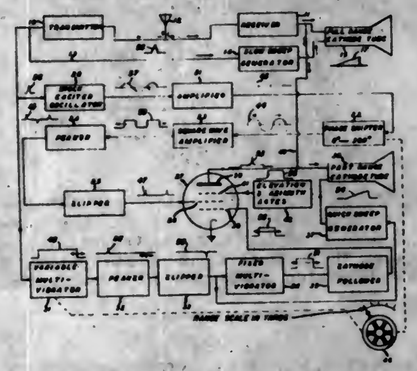
RANGE INDICATING SYSTEM

Jerome W. Stafford and Raymond L. Garman, Cambridge, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War

Application February 18, 1944, Serial No. 522,937

14 Claims. (Cl. 343—13)

1. A radar system including a source of regularly recurrent trigger pulses, means, controlled by said source, for generating a train of marker pulses after each trigger pulse, the time between successive marker pulses being small compared to the time between successive trigger pulses, a first variable network for shifting the phase of said marker pulses, a cathode ray tube having a screen, a sweep generator for generating a sweep for said tube with the sweep duration being small compared to the time between successive trigger pulses, a second variable delay network, controlled by said trigger pulses, for initiating the operation of said sweep generator whereby one sweep is generated after each trigger pulse, said first and second variable networks being mechan-



ically coupled together whereby a marker pulse occurs at a fixed time after the initiation of said sweep, and a connection between said tube and said means for presenting said marker pulse indications on the screen of said tube.

2,573,071

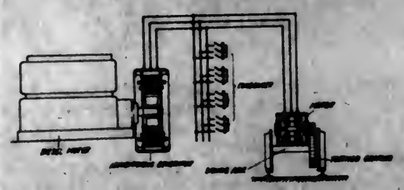
POWER TRANSMISSION SYSTEM, ESPECIALLY FOR VEHICLES

Bjarne Stersand, Zurich, Switzerland, assignor to Maschinenfabrik Oerlikon, Zurich-Oerlikon, Switzerland

Application August 26, 1948, Serial No. 46,223

In Switzerland August 29, 1947

1 Claim. (Cl. 318—148)



A power transmission system, particularly for street and rail vehicles, comprising an asynchronous generator, a prime mover for driving said generator, a squirrel cage asynchronous motor for driving the vehicle, first means electrically connecting said generator and said motor, a plurality of condensers, second means electrically connecting said condensers selectively in parallel with said motor, said motor and generator being connected by said first means with each other in non-excited condition, said condensers being adapted when selectively connected said motor and generator thereby rendering said by said second means to cause self-excitation of motor operative to drive the vehicle.

2,573,072

PRODUCTION OF VEGETABLE PROTEIN

Bruno Vassel, Toledo, Ohio, assignor to International Minerals and Chemical Corporation, a corporation of New York

No Drawing. Application November 7, 1947, Serial No. 784,755

13 Claims. (Cl. 260—123.5)

13. A process which comprises subjecting whole flaxseed to the action of a dilute acidic solution, separating the resultant solution from the seed, neutralizing the substantially mucilage-free flaxseed to remove excess reagent, washing the flaxseed to free it from acid solution drying the washed product, crushing the dried seed and removing substantially all of the oil contained therein by extraction with a solvent for the oil, treating the substantially oil-free product with a dilute alkali metal hydroxide solution whose normality is between about 0.5 and about 2.0 at a temperature not greater than 75° C., filtering the resultant protein-containing solution, neutralizing the filtrate with an acidic reagent to give a pH of between about 3.5 and about 4.0 and recovering the precipitated protein values therefrom.

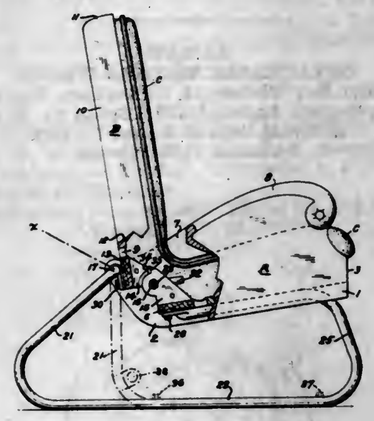
2,573,073

RECLINING CHAIR

Baldwin Vale, San Francisco, Calif.; Helen E. Vale executrix of said Baldwin Vale, deceased

Application March 14, 1949, Serial No. 81,350

9 Claims. (Cl. 155—116)



1. A reclining chair comprising a seat and back hinged together in the form of a toggle; a supporting base in the form of a bowspring having its forward end fixed to said seat and its rearward end pivoted to said back to form a fulcrum, so that weight supported by said seat and pressure applied to said back will be held in substantial equilibrium by said bowspring and toggle, and when the back is forced to its extreme position it will be in substantial alignment with the seat.

2,573,074

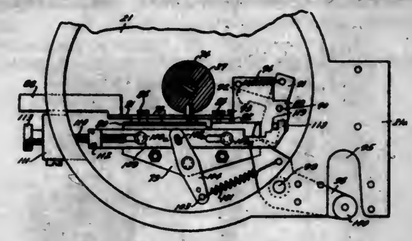
FISHING REEL

Edward J. Von Pein, Dayton, Ohio

Application September 29, 1948, Serial No. 51,820

11 Claims. (Cl. 242—84.6)

1. In a fishing reel, a frame, a line supporting spool rotatably mounted on said frame, a device for rotating said spool, means for connecting said spool with said rotating device and for disconnecting the same therefrom for free rotation when casting, means controlled by said line for actuating said connecting means to connect said spool with said rotating device substantially at the end of the cast, and means for locking said line controlled means in an inop-



erative position when said spool is connected with said rotating device.

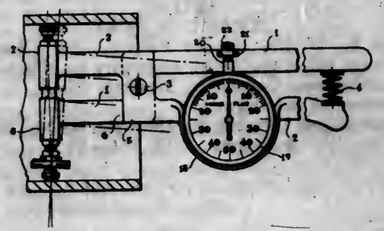
2,573,075

SELF-ALIGNING BORE GAUGE

Oliver E. Watson, Dayton, Ohio, assignor of one-half to Bert F. Downey, Springfield, Ohio; Anna T. Shonk, administratrix of said Oliver E. Watson, deceased, assignor of one-half to Elva Watson, Dayton, Ohio

Application December 4, 1946, Serial No. 714,062

8 Claims. (Cl. 33—178)



7. An indicating inside caliper gage, including a pair of interpivoted layers, telescopically interengaging heads carried thereby, a pair of oppositely directed axially aligned contact members carried by the heads for engagement with opposite interior walls of a recess in a work piece being measured, resilient outrigger arms carried by one of the heads engageable with the interior surface of the recess at opposite sides of the axis of the contacts to assure adjustment of the gage to position wherein the common axis of the contact members occupies a predetermined relation to the work piece.

2,573,076

ELECTRIC SIGN CIRCUIT

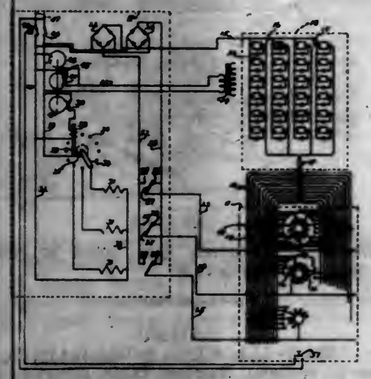
Thomas Ross Welch, Los Angeles, Calif.

Application February 11, 1949, Serial No. 75,850

13 Claims. (Cl. 177—350)

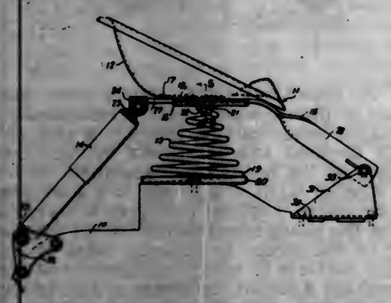
1. In a changeable sign apparatus, the combination of a source of electrical energy; means for controlling the illumination of portions of said sign selectively to display characters, each of said means including an operating coil connected on one side to said source of energy; individual supply conductors connected to the other sides of said coils; individual current bypass means arranged in parallel relation to each said operating coils; valves in said bypass means limiting current flow therethrough to one direction; a plurality of symbol selectors connected to each of said individual supply conductors and having preselectable current flow paths therethrough from a common connection with

the other side of said source of energy; valves in said paths for limiting current flow to one direction therethrough, said last mentioned



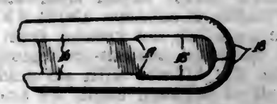
valves being oppositely arranged with respect to said first mentioned valves; and switch means operable to reverse the polarity applied to said common connections by said source of energy.

2,573,077
TRACTOR SEAT
Glen L. White, Grosse Pointe, and Charles E. Read, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application October 10, 1945, Serial No. 621,454
4 Claims. (Cl. 155—9)



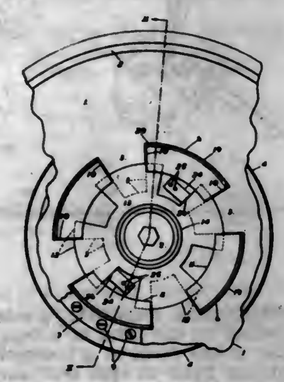
4. A seat assembly for a vehicle having a supporting part, comprising a seat having a base portion, a connection between the seat and supporting part permitting lateral displacement of the seat relative to the supporting part and also permitting up and down movement of the seat relative to said part, said connection comprising a flat spring bar having a portion at the front end extending in a substantially vertical plane and having a portion intermediate the ends twisted to locate the rear end in a substantially horizontal plane, means pivotally connecting the front end of the bar to the supporting part in advance of the seat for swinging movement about a substantially horizontal axis, a coil spring positioned between the vehicle supporting part and horizontal end portion of the bar intermediate the ends of said horizontal end portion, a tubular direct acting shock absorber having the lower end pivoted to the vehicle supporting part and having the upper end connected to the horizontal portion of the bar, and means for clamping the base portion of the seat on the horizontal end portion of the bar above the coil spring.

2,573,078
CURTAIN ROD
Oscar N. Whitehead, Wallingford, Conn., assignor to H. L. Judd Company, Wallingford, Conn., a corporation of Delaware
Application April 10, 1948, Serial No. 20,190
2 Claims. (Cl. 211—105.3)



1. In a thimble-ended sheet-metal C-shaped curtain-rod section, a substantially flat front face and spaced-off rounded and inwardly directed reinforcing flanges extending to form a rear face, the flanges at the thimble end of the section including such parts of said flanges as extend substantially to the point of tangency with said front face and extending longitudinally beyond said front face and being bent in a smooth curve to meet each other forward of said front face.

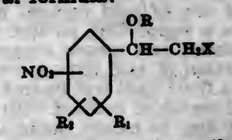
2,573,079
DETACHABLE VEHICLE WHEEL
Walter Roy Whitehead, Gillingham, England
Application August 5, 1948, Serial No. 42,721
In Great Britain August 11, 1947
8 Claims. (Cl. 301—9)



1. Means for securing a detachable vehicle wheel to a rotary mounting, comprising an inclined lead on the mounting to guide the wheel to a central position on securement, lateral projections extending from the rotary mounting and fast therewith and adapted to engage corresponding apertures in the wheel to transmit torque thereto, and locking means carried by the rotary mounting and adapted, by rotary movement in a plane normal to the axis of the rotary mounting, to pass from a release position, in which the locking means does not obstruct removal of the wheel but remains on the mounting after such removal, to a locking position between retaining abutment means provided for the purpose on the rotary mounting and appropriate portions of the wheel, in which latter position said locking means secures the wheel on its mounting.

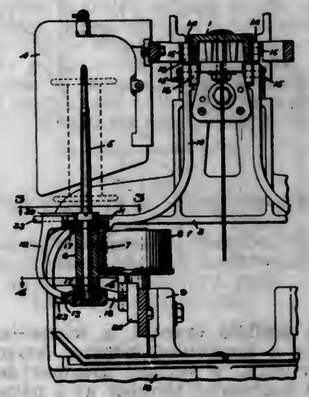
2,573,080
α-(MONONITRO-MONOCYCLIC-ARYL)-β-HALO-ETHYL LOWER ALKYL ETHERS
Joseph M. Wilkinson and George W. Pedlow, Easton, Pa., and Roger F. Kleinschmidt, Belvidere, N. J., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1950, Serial No. 173,224
6 Claims. (Cl. 260—611)

1. α-(Mononitro-monocyclic aryl)-α-halo-ethyl lower alkyl ethers characterized by the following general formula:



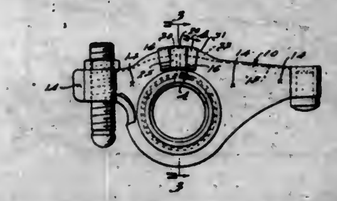
wherein R represents a lower alkyl group, R_1 represents a member selected from the class consisting of hydrogen, lower alkyl, lower dialkylamino, lower alkoxy, halogen, cyano, and trifluoromethyl, R_2 represents a member selected from the class consisting of hydrogen, lower alkyl, and halogen, and X represents a halogen selected from the class consisting of chlorine and bromine.

2,573,081
TWISTER FRAME SPINDLE SUPPORT
Albert E. Winslow, Greenville, S. C., assignor to J. P. Stevens & Co. Inc., Greenville, S. C., a corporation of Delaware
Application June 27, 1950, Serial No. 170,493
7 Claims. (Cl. 57—89)



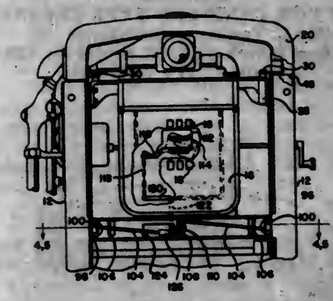
1. In a twister of that type having a frame, spool-carrying spindles with whorls, a support for each spindle in which the spindle is journaled, a driving belt extending alongside the whorls, and in which the support at its upper end is hinged on the frame and moved by gravity to position the whorl into driving engagement with the belt and is movable to position the support with the whorl away from the belt for doffing, the provision of parallel upper and lower spaced base members on the support and vertically alined bearing members in said base members for the spindle and whorl with the whorl located between the base members.

2,573,082
OIL CONTROL DEVICE FOR ROCKER ARMS
John R. Winter, Jr., Detroit, Mich., assignor, by direct and mesne assignments, to John R. Winter, Sr., Detroit, Mich.
Application February 24, 1949, Serial No. 78,217
8 Claims. (Cl. 74—519)



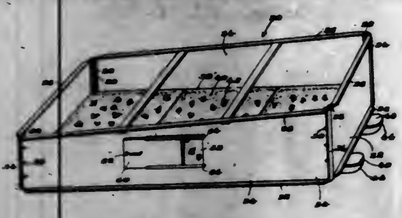
1. An oil control device for rocker arms of the type having an oil riser hole terminating at its upper end at an upper edge of the arm in a discharge orifice having an upwardly opening mouth, said device comprising a baffle portion, fastening means for securing said device upon an arm with the baffle portion extending transversely over and spacedly above said mouth in position to intercept oil discharged from the mouth in the form of a jet or surge, oil diverting portions carried by said baffle portion and directed laterally away from the sides thereof, spacing portions for maintaining a substantial clearance between said diverting portions and the lateral parts of an arm to which the device is attached, and supplemental baffling portions coacting with the ends of said first mentioned baffle portion and extending transversely and downwardly therefrom, whereby said supplemental baffling portions may extend transversely with respect to such an arm and into close proximity to the top of the arm at two spaced positions between said mouth and the ends of the arm.

2,573,083
SHUTTER ARRANGEMENT FOR INDICATORS
H. Hix Wolfe, Dayton, Ohio, assignor to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Original application February 7, 1949, Serial No. 74,961. Divided and this application March 20, 1951, Serial No. 216,640
9 Claims. (Cl. 235—1)



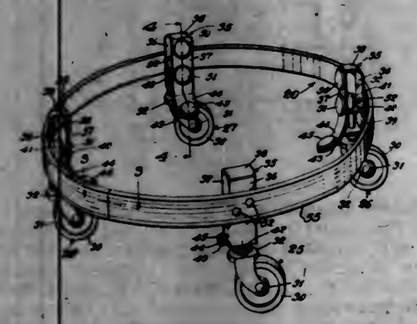
1. In an indicating dispensing pump having a windowed panel releasably retained in position by a key operated locking mechanism and also having a totalizing indicator viewable through said window, the combination of a masking member for concealing said indicator, and means connecting said masking member with said locking mechanism whereby said member can be moved into its indicator revealing position only upon operation of said mechanism by the key therefor.

2,573,084
COLD FRAME
James L. Writesel, Columbus, Ohio
Application May 15, 1946, Serial No. 669,796
1 Claim. (Cl. 47—19)



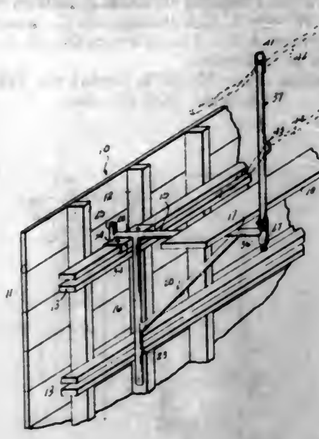
A device of the character described, comprising a collapsible frame, said frame having side and end walls, right angled flanges on the top and bottom marginal edges of said walls, the flanges on the bottom marginal edges adapted for supporting said frame on the ground, a cover engaging the flanges on the top marginal edges, a depending inturned flange on one transverse edge of said cover adapted to engage the flange on one end wall of said frame, channel shaped couplings adapted to engage the flanges on the side walls of the frame and the longitudinal edges of the cover, pivoted latches on said couplings for engaging said last mentioned flanges for attaching said cover to said frame, vertically disposed V-shaped angles fixed to each end of each side and end wall adapted to lie in engagement with each other, a channel shaped member adapted to engage the free edges of the V-shaped angles for holding said frame as a unit, a sliding ventilating door in one of said side walls for ventilating said frame, watering means for said frame extending longitudinally of said end walls and secured to the bottom flanges of said end walls and means coacting with the flange on the top edge of said remaining end wall and the remaining transverse edge of said cover for retaining the cover on the frame against longitudinal movement of the cover with regard to the frame.

2,573,085
DOLLY FOR CANISTER TYPE CLEANERS
John L. Yonkers, Northbrook, Ill.
Application March 27, 1950, Serial No. 152,072
3 Claims. (Cl. 280—61)



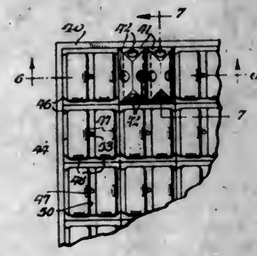
1. A dolly for supporting a canister type cleaner or the like, said dolly comprising a generally circular band of flat spring metal, said band having its lateral dimension vertical in the normal use of the dolly, a plurality of fixtures carried by said band, each fixture having a flat strip of metal bent to provide two generally parallel vertical portions with at least one horizontal portion between said two vertical portions, means for rigidly securing one vertical portion on the circular band with the flat face of said one vertical portion being disposed against the flat face of the circular band at the region of attachment, said other vertical portion being inwardly spaced from the first vertical portion toward the center of said circular band, said fixture having a flat strip extending downwardly and inwardly from the bottom of one of said vertical portions and terminating in a supporting portion for the bottom of a canister, and means supported by the horizontal portion of said fixture for supporting said dolly on a floor, said last named means providing a small region of contact with the floor so that said dolly may be moved easily along a floor, said fixtures being disposed at spaced intervals around said circular band, said other portion of each fixture being adapted to engage the outside of the canister.

2,573,086
SCAFFOLD BRACKET
Watson T. Yoshimoto, Sr., Honolulu, Territory of Hawaii
Application July 26, 1949, Serial No. 106,807
3 Claims. (Cl. 304—14)



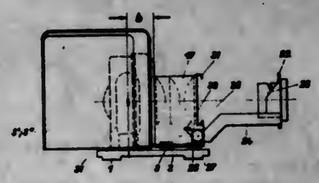
2. In a scaffold bracket, a triangular frame comprising a horizontal member having inner and outer ends, a vertical member depending from said horizontal member at a point spaced from the inner end of the horizontal member, and a downwardly facing channel member secured crosswise to the underside of said horizontal member at a point between the inner end of the horizontal member and said vertical member, said horizontal member having a vertically extending anchor member on its inner end, said anchor member having a lower portion depending along the inward side of said channel member, said anchor member having an upper portion rising above said horizontal member and said horizontal member having a vertical element on its outer end rising thereabove, said upper portion of the anchor member and said vertical element serving as inner and outer stops for planks placed upon said horizontal member therebetween.

2,573,087
DEVICE FOR USE IN ASSEMBLING PARTS OF FABRICS
Robert N. Youngblood, Snyder, and Edward W. Errick, East Aurora, N. Y., assignors, by mesne assignments, to Sterling Molders, Inc., Buffalo, N. Y., a corporation of New York
Application May 15, 1947, Serial No. 748,283
2 Claims. (Cl. 29—286)



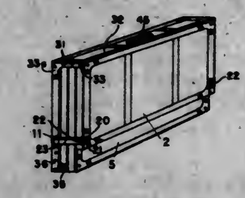
2. A device for use in assembling a fabric composed of relatively rigid units connected by tapes which pass lengthwise and crosswise of said fabric through apertures in the sides of said units, said device including a base, a plurality of projections secured to said base and extending upwardly therefrom, said projections being of elongated form and being arranged in pairs secured to each other at their lower portions and having the upper portions thereof spaced apart, forming spaces to receive parts of substantially rectangular units with apertures on the four sides thereof, guide surfaces on said projections for guiding the leading ends of the tapes through the apertures of said units, and inserts formed to be positioned in said spaces between the upper portions of the projections of each pair of projections and having their upper surfaces formed to act as guides for tapes when larger units are to be assembled of a size to engage a pair of projections, each of said inserts being provided at one end thereof with an upwardly inclined ramp-like part for engaging the leading end of the tape and deflecting it upwardly through an aperture of a unit.

2,573,088
PROJECTOR PROVIDED WITH PROTECTING CASING
Erich Zillmer, Braunschweig-Querum, Germany
Application March 18, 1949, Serial No. 82,141
In Germany October 1, 1948
7 Claims. (Cl. 88—24)



1. In a projector provided with a protecting casing, the combination of a projector, consisting essentially of a reflector, a lamp, a condenser and an objective carrier arranged in properly spaced relation behind one another in the direction of the optical axis of said projector, said condenser being provided with plate carrying means and adapted to be displaced toward and away from said lamp in the direction of said optical axis, and said objective-carrier being tiltably mounted at said condenser and adapted to be turned upward and downward toward and away from said condenser; a protecting casing consisting of two shell-like covering members having one of their ends suitably linked together for cooperating closing and opening movement and having their other free ends coupled to said projector, said covering members being adapted to surround all of said elements of said projector when closed together and only said reflector and said lamp when opened up; and actuating means combined with said projector and coupled to said covering members of said protecting casing and adapted to shift said condenser toward said lamp and slide said shell-like members to surround all of said elements of said projector, and slide said shell-like members in opposite directions to free said projector for work and return said condenser to properly spaced relation with said lamp, said actuating means being coupled to said tiltable objective-carrier in such a way that upward-turning of said objective-carrier automatically shifts said condenser toward said lamp and moves said protecting casing to surround said projector, while downward-turning of said objective-carrier automatically draws said protecting casing rearwardly to open position and returns said condenser to properly spaced relation with said lamp.

2,573,089
COLLAPSIBLE CASE
Giorgio Armenia, Rome, Italy
Application February 6, 1947, Serial No. 726,883
In Italy August 27, 1946
1 Claim. (Cl. 217—15)

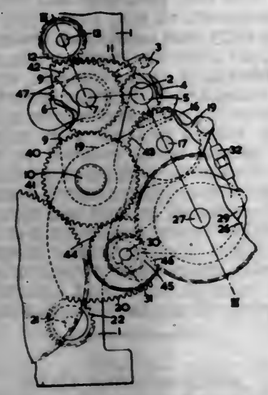


In a collapsible case, the combination of a bottom, end walls hinged only to the bottom and adapted to fold inwardly and rest flat upon the bottom, a side wall hinged to the bottom and having a top panel hinged to its upper edge, said side wall and top adapted to fold flat upon the flattened end walls, a side wall hinged along a line spaced from the bottom edge by the thickness of the other folded parts, and locking means pivotally mounted at the top of said last-mentioned side, said means being hinged to lock the lid in place when the case is assembled and adapted to be rotated through 90 degrees to lock the folded parts to said bottom when the case is folded.

2,573,090
PIVOTAL FRAME STRUCTURE FOR ROTARY PRINTING MACHINE ELEMENTS
Harold Holmyard Beasley, Bristol, England, assignor to Beasley, French & Company Limited, Bedminster, Bristol, England
Application June 3, 1948, Serial No. 30,857
In Great Britain June 6, 1947
3 Claims. (Cl. 101—216)

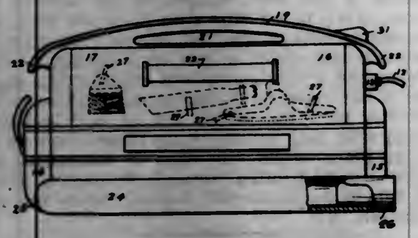
1. In a rotary printing machine for a series of interchangeable printing cylinders of different diameters, frame members, rigidly mounted bearings on the frame members, a printing cylinder, shafts at each end of the printing cylinder engaging in the bearings which are spaced close-

ly to the ends of the printing cylinder, an impression cylinder and an inking cylinder, shafts at the ends of the impression and inking cylinders, movable brackets mounted outside the frame members, pivotal supports on the frame members on which the brackets swivel, bearings in the brackets for the shafts of the impression and inking cylinders, means for adjusting the brackets to swivel about the pivotal supports to



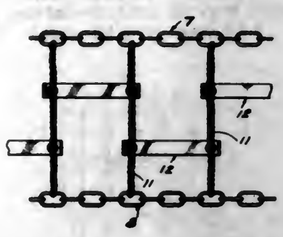
move the impression and inking cylinders toward and away from the printing cylinder, a toothed driving gear arranged to rotate about the axis of said pivotal supports, a toothed gear on the shaft of the impression cylinder, a toothed gear on the shaft of the inking cylinder to transmit the drive from said first mentioned toothed driving gear to the impression and inking cylinders, and means for driving the printing cylinder from the impression cylinder shaft.

2,573,091
COMBINED VACUUM CLEANER AND TOOL CASING
Charles Kepler Brown, Jr., Fairmont, W. Va.
Application March 29, 1946, Serial No. 658,112
2 Claims. (Cl. 15—323)



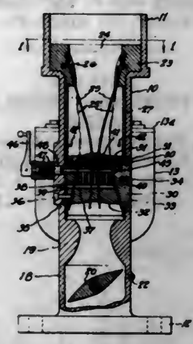
1. In combination, a vacuum cleaner having a cylindrical casing, a housing encompassing said vacuum cleaner and having a space above said cleaner for stowing accessories for said cleaner, an arcuate handle, extending above and longitudinally of said housing, said handle terminating in hook portions to retain the coils of the customary electric cord wound around said handle, a pair of tubular runners extending longitudinally of the housing disposed at the lower end thereof to guide the housing on the surface to be cleaned, said runners being adapted to receive for storage the customary wands for said vacuum cleaner, and a removable end closure for each of said runners.

2,573,092
TRACTION ATTACHMENT FOR VEHICLE TIRES
Wilfred J. Brown, Yuba, Wis.
Application April 20, 1948, Serial No. 22,123
1 Claim. (Cl. 152—239)



In an anti-skid device for the tire of a vehicle wheel, a pair of chains disposed circumferentially at the respective side walls of the tire, a multiplicity of cross chains connected to said side wall chains and extending transversely of the side and tread portion of the tire at circumferentially spaced intervals, a plurality of transversely staggered elements attached to said cross chains and directed circumferentially of the tread surface of the tire, each of said elements comprising an elongated flat rigid bar extending between an adjacent pair of cross chains with the ends extending beyond said pair of chains and having an outwardly extending right angular flange at each of said ends closely adjacent each of said cross chains with successive bars offset transversely to provide two circumferentially arranged sets of said flanged bars.

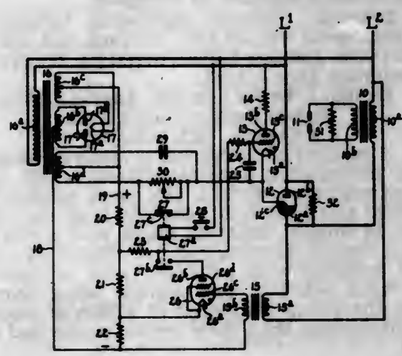
2,573,093
MULTIPLE JET CARBURETOR
Charles H. Burson, Seattle, Wash.
Application October 14, 1946, Serial No. 703,167
10 Claims. (Cl. 261—41)



10. In a carburetor, an induction passage having an air intake opening at one end and a throttle valve at the other end, a pair of flexible reeds on opposite sides of said passage between said intake opening and said throttle valve, said reeds having free elastic response to air flow through said passage to form a variable venturi, a horizontal fuel allocator extending across said passage between said opposite sides perpendicular to said reeds and in the region swept by the movements of said reeds, a series of open fuel discharge ports spaced along said allocator, the central one of said ports being included in the throat of the venturi at all times and the remaining ports being included in

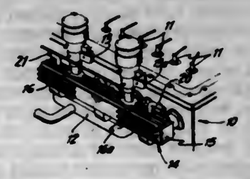
variable number as the reeds move apart in response to increasing air flow, a fuel passage extending longitudinally through said allocator, individual riser ducts connecting said ports with said fuel passage, and a common rotatable valve rod intersecting all of said ducts, said rod being relieved in rounded contour in certain of said ducts to form round edge orifices and relieved in angular contour in other of said ducts to form square edge orifices.

2,573,094
ELECTRIC WELDING SYSTEM
Irvin W. Cox, West Allis, and Jerome B. Welch, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 9, 1946, Serial No. 653,269
7 Claims. (Cl. 219—4)



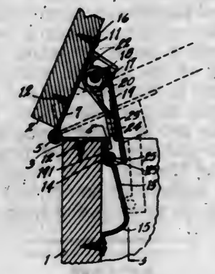
5. In an alternating current welding system, the combination with an alternating current transformer having a primary and a secondary winding, a pair of welding electrodes connected to the latter and a unidirectional conducting device in series with said primary winding and controllable to supply half wave rectified current to said primary winding, of means to supply an alternating demagnetizing current of relatively low magnitude to said primary winding while said device is non-conducting, and a high resistance connected in parallel with said electrodes to afford a discharge path for the current induced in said secondary winding by said demagnetizing current.

2,573,095
INTAKE MANIFOLD FOR INTERNAL-COMBUSTION ENGINES
Max H. Ellis, Huntington Park, Calif.
Application March 29, 1947, Serial No. 738,200
7 Claims. (Cl. 123—122)



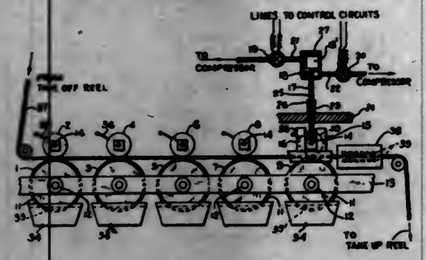
1. An intake manifold for an internal combustion engine which includes: a header pipe of cast aluminum having inlet means adapted to be connected to a carburetor to receive a mixture of fuel and air therefrom, said pipe being of substantially square cross-section and having a heat-reflecting outer surface; conduits cast integrally with said header pipe to form a plurality of outlets therefrom, said conduits being adapted to act as supports for said header pipe to hold the latter in spaced relationship to the relatively hot portions of said engine, whereby air may circulate around all sides of said header pipe; and radiator elements cast integrally with said header pipe on the portion of the outer surface thereof not adjacent said hot portions of said engine, said radiator elements comprising outwardly projecting fins extending longitudinally along said header pipe, adapted to be subjected to a flow of cooling air, whereby heat is dissipated from said header pipe and the contents thereof is maintained relatively cool.

2,573,096
COMBINED HINGE, COVER SUPPORT, AND CHECK
Joseph J. Ender, Grand Rapids, Mich., assignor, by mesne assignments, to Crampton Manufacturing Company, Holland, Mich., a corporation of Michigan
Application May 21, 1945, Serial No. 595,012
6 Claims. (Cl. 16—140)



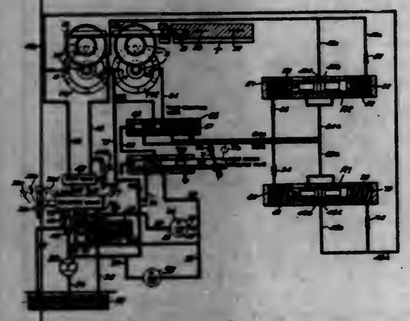
4. In a device for hingedly and supportingly mounting a cover on an enclosure wall, a base member adapted for attachment to the enclosure wall and having a keeper support provided with a keeper and an inclined cammed surface extending from said keeper, a coacting swinging member adapted for attachment to the cover and pivotally connected to said base member, said base member and swinging member constituting coacting hinge members of a hinge for hingedly connecting the cover to the enclosure wall, an arm pivotally connected to said swinging member to coact with said keeper support to engage said keeper of the keeper support at one end of the movement of said swinging member and to ride on said camming surface in intermediate positions, and a spring biasing said arm against said keeper support, the surface of the keeper adjacent the camming surface being inclined at an angle relative to the direction of travel of the arm produced by swinging the swinging member for releasing the arm from the keeper upon forcibly swinging the swinging member, said base member being an elongated plate-like member of substantially uniform thickness throughout the length thereof and providing at one end thereof a hinge portion for connection to said coacting swinging member and providing between the opposite ends thereof said keeper and camming surface, and being curvedly bodily offset at one end of the camming surface relative to the general direction of the camming surface to provide said keeper.

2,573,097
WARP PRINTING MACHINE
Herman Epstein, Newark, N. J.
Application June 4, 1947, Serial No. 752,527
2 Claims. (Cl. 68—203)



1. In a yarn-dyeing apparatus, a plurality of color forming means for applying different colors each effective simultaneously to form the same color across a plurality of strands and all arranged in succession along the path of travel of said strands, means for transporting said plurality of strands of yarn past the color forming means, a control member moving synchronously with the transport means, contact means supported on said control member for movement therewith, and stationary contact means engaging said moving contact means in regular periods so as to produce a series of pulses corresponding to the position of the control member, and pulse counting means including separate circuits operative in response to predetermined pulses in said series of pulses set in accordance with a predetermined color pattern derived from interweaving, knitting or the like of a single strand, said circuits being connected to control the different transfer means in accordance with said pattern.

2,573,098
HYDRAULIC FEEDING MECHANISM
Hans Ernst and Albert H. Dall, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 26, 1946, Serial No. 699,424
16 Claims. (Cl. 90—21.5)

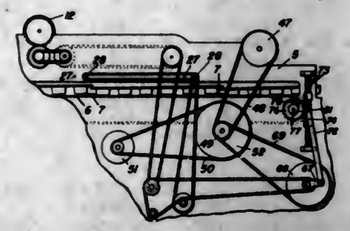


8. In a hydraulic table feeding transmission, a hydraulic motor connected to actuate said table, a source of rapid traverse fluid pressure connectable to said motor, a source of feeding pressure connectable to said motor, a selector valve for operatively connecting one or the other of said sources to said motor, means for changing the rate of feed to said hydraulic motor, a backlash control motor hydraulically interconnected through resistance means with said first-mentioned motor effective during low feed ranges to restrict movement of said work table, a control valve associated with said backlash motor operable to short circuit said motor to render it ineffective to restrict movement of said table when operating in high feed ranges, and means, operable by the positioning of said selector valve to effect rapid traverse actuation of said first-mentioned motor to operate said control valve to render said second-mentioned motor ineffective to restrict movement of said work table.

2,573,099
METHOD OF RECOVERING PROTEOLYTIC ENZYMES FROM MAMMALIAN PANCREAS GLANDS WITH UREA
Svend Emil Frederiksen, Charlottenlund, Denmark, assignor to Novo Terapeutisk Laboratorium A/S, Copenhagen, Denmark, a Danish joint-stock company of Denmark
No Drawing. Original application October 23, 1946, Serial No. 705,248. Divided and this application January 3, 1951, Serial No. 209,327. In Denmark June 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 4, 1963
4 Claims. (Cl. 167—75)

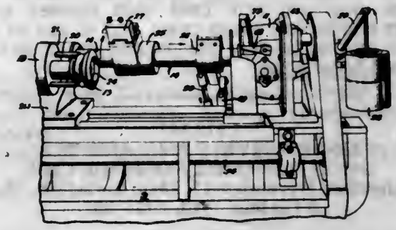
1. A method of recovering proteolytic enzymes from mammalian pancreas glands, which comprises extracting with a 33% urea solution the residual gland material resulting from the treatment of minced pancreas gland with a conventional insulin extracting concentration of a solvent acidified with sulphuric acid to create a pH value below 7, said solvent being selected from the group consisting of aliphatic alcohols containing less than three carbon atoms and acetone.

2,573,100
MECHANISM FOR MOVING PANS IN DOUGH CUTTERS
Erwin Haecks, San Francisco, Calif.
Application November 17, 1948, Serial No. 60,555
1 Claim. (Cl. 226—2)



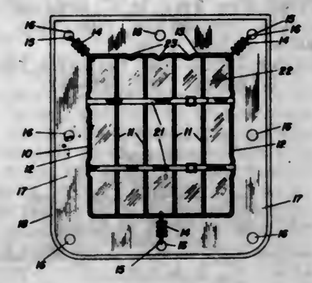
Means for filling pans in a dough-cutting mechanism comprising a conveyor belt passing over a driving roller and having raised longitudinally spaced stops positioned thereon for positioning pans on said conveyor, said stops having their adjacent edges spaced a distance less than the length of the bottom of the pan, whereby one end of the pan will engage one of said stops and the other end of the pan will rest on the next adjacent stop, means for advancing said conveyor in a step by step movement, said means including an intermittently driven gear carried by said driving roller, and a reciprocating crank-operated rack engaging said gear, whereby the movement of said conveyor has a cycle of movement progressively increasing and decreasing in speed during each step.

2,573,101
LATHE
Hjalmer Hansen, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application October 18, 1946, Serial No. 704,032
9 Claims. (Cl. 82—2)



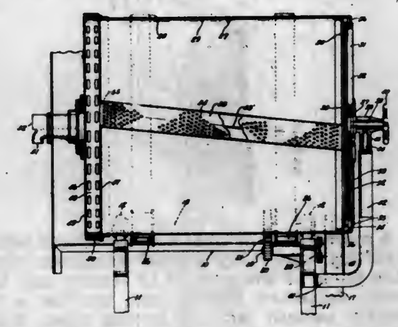
1. In a device of the class described, the combination of, a supporting base, a work holder rotatably mounted on said base, a tool-supporting ram mounted on said base for axial and rotative reciprocation, traverse mechanism for effecting the intermittent axial movement of said ram, a radially-disposed arm secured to said ram, a pair of cam rocker arms mounted on said base, links connecting each of said cam rocker arms to said radially-disposed arm, a cam mounted to effect the reciprocation of each of said cam rocker arms, said cams being co-axially mounted so that the eccentric part of one cam is diametrically opposed to the eccentric part of the other cam, and indexing means operatively synchronized with said cams and controlling the action of said traverse mechanism for alternating the rotative and axial movements of said ram.

2,573,102
AUTOMOBILE CLOTHES RACK
David B. Hennessy, Baltimore, Md.
Application June 15, 1949, Serial No. 99,209
1 Claim. (Cl. 224—42.42)



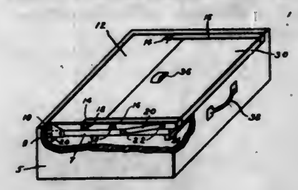
In combination with the trunk door of an automobile, a rack comprising a closed rectangular frame, a plurality of spaced rods extending between two opposite sides of the frame to form a holder for clothing, flexible means for attaching two adjacent corners of the frame to the underside of the trunk door and flexible means for attaching the medial portion of the side of the frame opposite said corners to the underside of the trunk door, all of said flexible means including a quick detachable connection, whereby the frame may be swung away from the trunk door upon detaching the last of the aforementioned flexible means, a board resting on said rods between the frame and the underside of the trunk door, and straps encompassing said frame and the clothing resting on the board.

2,573,103
UNLOADING STRUCTURE FOR GARMENT CYLINDERS
Olaf E. Kling, Chicago, Ill., assignor to Kling Bros. Engineering Works, Chicago, Ill., a corporation of Illinois
Application August 18, 1944, Serial No. 549,971
9 Claims. (Cl. 68—144)



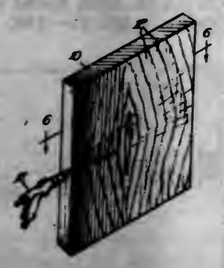
1. In a garment handling apparatus, a cylinder disposed for rotation on an axis which extends in a generally horizontal direction and having an end opening for the loading and unloading of garments, ribs within the cylinder extending from the loading end toward the opposite end, said ribs being of progressively less height and width toward said end opening to cause progressive movement of the garments toward the opening when the cylinder is rotated, and a door for closing said end opening, said end opening being of such size with respect to the diameter of the cylinder that garments may readily fall therethrough when the door is open.

2,573,104
PORTABLE NURSERY CHAIR
William I. La Baw, Kansas City, Mo.
Application December 26, 1945, Serial No. 637,158
4 Claims. (Cl. 155—31)



1. A portable nursery chair construction comprising, a seat member, a back rest hinged to the rear margin of said seat member, a supporting base comprising a casing member open at its top and adapted to cooperate with said back rest to enclose said seat member, said casing member having interior supporting means in engagement with the margins of said seat member, said back rest being adapted to fold over on to the outer face of said seat member to form a partial closure for the top of said casing member, and a leg rest hinged to the front edge of one of said members and adapted to provide a leg rest at the front margin of said seat member and movable into position to cooperate with the folded back rest to form a complete closure for the top of said casing member.

2,573,105
WOOD FINISHING PROCESS
David P. Lehman, Elkhart, Ind.
Application January 27, 1948, Serial No. 4,560
4 Claims. (Cl. 117—45)



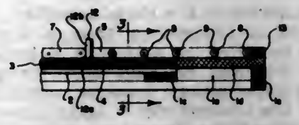
1. A method of finishing a substantially smooth ring porous wood surface which comprises cleaning the pores of the surface to remove any loose material deposited therein and provide a substantially smooth surface having open topped visible pores separated at the plane of the surface by substantially solid areas, applying a liquid pigmented primer finishing material in a very thin film over the solid areas between the open pores of the surface by spraying the material at an extremely low angle approaching parallelism to the surface of the wood, said finishing material having a low solid content and being capable of adhering to the solid areas in a very thin film but being incapable of bridging the visible pores whereby substantially no filling of the visible pores occurs, filling the open pores of the wood with a filler material which will emphasize the grain, and applying a film of transparent protective coating material thereover.

2,573,106
FOLDABLE CARRIAGE FOR CHILDREN
Luis Gelambi Macip, Barcelona, Spain
Application July 19, 1947, Serial No. 762,171
In Spain August 9, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 9, 1961
5 Claims. (Cl. 280—41)



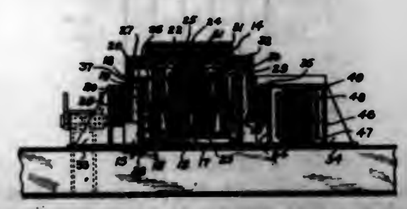
1. In a folding carriage for children in combination two pairs of stays, each of said pairs of stays arranged crossing each other; a pair of connecting means each turnably connecting one of said pairs of stays at their crossing point; wheels turnably pivoted to the bottom ends of said stays; a front connecting bar connecting the upper front ends of said stays; a rear connecting bar connecting the upper rear ends of said stays; a back member turnably pivoted to said rear connecting bar; spring means resiliently holding said back member in proper upright position when said carriage is in operative position; a seat member pivoted at its front edge to said front connecting bar; a spring means turnably attached to the rear edge of said seat member and secured to said rear connecting bar so as to resiliently suspend said seat member from said rear connecting bar; a U-shaped handle bar pivotally attached to the upper rear ends of said stays; and two arm bars each pivoted at its front end to the upper front end of one of said stays and at its rear end to one leg of said U-shaped handle bar.

2,573,107
GOLF DRIVING MAT AND TEE
George E. Morgan, San Diego, Calif.
Application November 13, 1948, Serial No. 59,893
3 Claims. (Cl. 272—35)



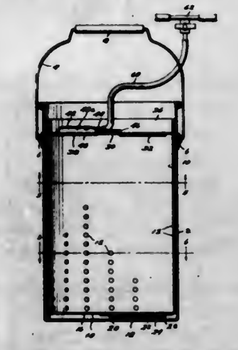
1. In a golf driving mat of the class described, a frame having a base, a flexible resilient cushion on said frame elevated above said base and a mat over said cushion composed of individual parallel, flexible strips, tees extending upwardly through said mat intermediate said strips and supported at their lower ends on said cushion, said frame having slats supporting the lower side of said cushion, said tees having disc shaped base portions and circular in cross-section reduced stems extending upwardly therefrom, said strips having spacers therebetween substantially equal in length to the diameter of the vertical stems of said tees extending upwardly between the strips.

2,573,108
RAIL TRUCK SUSPENSION
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application July 3, 1947, Serial No. 758,941
3 Claims. (Cl. 267—3)



1. The combination of a composite spring and load imposing and load receiving members for said spring, said spring comprising three concentric springs, the outer one and the intermediate one of said springs comprising a vertical stack of rubber rings separated by metallic rings, each of said metallic rings being frusto-conical intermediate the top and bottom of said springs, said rings being surface bonded in pairs to a common metallic ring and to other rings at their faces opposite to the face bonded to said common ring, the adjacent metallic rings of adjoining pairs being secured together by dowels against lateral displacement, said load imposing and load receiving members being relatively movable vertically to impose compression loading on said rubber rings, said members being relatively movable laterally to impose shear loading on said rubber rings, said metallic rings by their frusto-conical shape and said dowels maintaining said rubber rings against relative bodily displacement under relative lateral movements of said members.

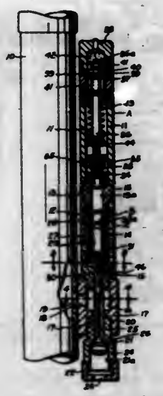
2,573,109
MINNOW BUCKET
Ralph T. Renfro, Sr., Boise, Idaho, assignor to Scruggs and Vaughan Manufacturing Company, Inc., Phoenix, Ariz., a corporation of Arizona
Application February 4, 1947, Serial No. 726,282
1 Claim. (Cl. 43—56)



A minnow bucket for use with the intake manifold of an internal combustion engine, comprising a pail for water, a perforated container closely fitting into the pail, end closures for the container, one of said closures being intermediate the container to form with the container wall an end recess, a concavo-convex cap closing an opening in the intermediate closure, a pipe on said cap and communicating therewith, and flexible hose connections from said pipe to the intake manifold whereby air will be drawn through the perforations and the water in the pail, and said pipe terminating above the water level in the container and the perforations terminating below the water level and communicating with the atmosphere to permit the ingress of air under vacuum pressure created by the intake manifold, the open end of the wall of the container being a greater distance from the adjacent intermediate closure than the height of the cap and pipe whereby when the container is in reverse position in the pail said open end will maintain the cap and pipe in spaced relation to the bottom of the pail.

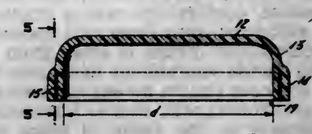
2,573,110
WELL FLOW DEVICE
Jay L. Robison, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas
Application August 13, 1945, Serial No. 610,571
9 Claims. (Cl. 137—111)

1. A well flow device including, a housing having a flow passage which has an inlet communicating with the exterior of the housing, there being a pressure existing exteriorly of said housing, a main valve element in said passage for controlling flow through said passage and having one end exposed to the pressure exteriorly of the housing, whereby said element is held in a closed position by said pressure, an actuating piston slidable in the housing above the valve element and engaging said element whereby downward movement of the piston will move said valve to an open position to permit flow through the passage, said piston comprising a pair of telescoping sections which sections interfit with each other so that when in a fully telescoped position, the sections present an outer continuous surface of the same diameter, said housing having means



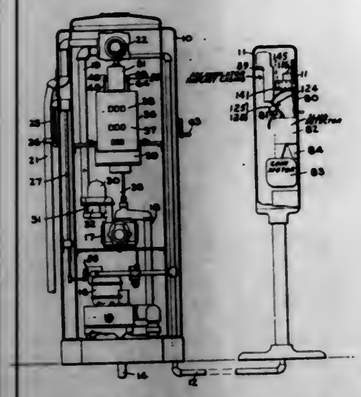
for establishing communication between the upper end of the piston and the space exteriorly of the housing, and means controlled in its actuation by the pressure exteriorly of the housing for controlling the admission of pressure to the upper end of said piston, whereby when the pressure exteriorly of the housing reaches a predetermined point, said last named means is actuated to permit said pressure to act against the piston and thereby move said piston and open the main valve element.

2,573,111
BOTTLE CAP
Irving Rossi, West Orange, N. J., and William Dubilier, New Rochelle, N. Y.
Original application July 12, 1944, Serial No. 544,614, now Patent No. 2,445,389, dated July 27, 1948. Divided and this application July 19, 1948, Serial No. 39,432
4 Claims. (Cl. 215—41)



1. A bottle cap comprising top and skirt portions of moulded plastic material, and a closed cylindrical ring of relatively thin spring metal concentrically moulded in said skirt portion, said ring having a series of relatively closely spaced transverse slots alternately extending to the opposite edges thereof and overlapping each other [illegible] the center, to increase the resiliency of said skirt in the circumferential direction, to thereby effect a hermetic and permanent seal by elastic pressure when said cap is forced over the mouth of a bottle.

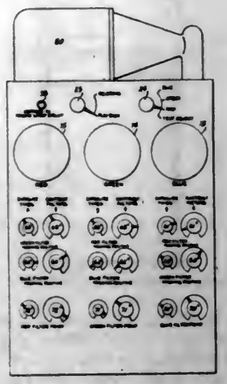
2,573,112
COIN-OPERATED DISPENSING PUMP
Philip M. Schneckenburger, Buffalo, N. Y., assignor to Gasteria Corporation, Buffalo, N. Y.
Application January 22, 1944, Serial No. 519,253
22 Claims. (Cl. 194—3)



1. Coin controlled liquid dispensing apparatus comprising a conduit having inlet and discharge passages, motor operated fluid displacement means and metering means in said conduit, integrating means for computing and registering the money value of liquid dispensed, accumulator means movable away from and toward an initial zero position, coin receiving and registering means including electromagnetic means adapted to be intermittently energized a number of times proportionate to the total value of coins received, said electromagnetic means being arranged to move said accumulator means away from zero position a number of successive increments corresponding to the number of its energizations, second electromagnetic means adapted to be energized a number of times proportionate to the total value of liquid delivery registered by said integrating means, said second electromagnetic means being arranged to move said accumulator means toward zero position by successive increments corresponding to the number of its energizations to cancel the coin deposit movement in proportion to the value of liquid delivered through said conduit, coin return means manually actuable to withdraw coins from said apparatus when said accumulator means is away from zero position, and means operable by and upon manipulation of the coin return means for energizing said second electromagnetic means a number of times proportionate to the value of coins withdrawn for canceling the coin deposit movement of said accumulator.

2,573,113
COMPUTING DEVICE FOR PHOTOGRAPHIC COLOR PRINTING PROCESSES OF MASKING TYPE
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application August 17, 1949, Serial No. 110,817
15 Claims. (Cl. 88—14)

1. A computing device for photographic three color printing processes of the masking type comprising: a scanning unit, adapted to receive a test object and three separation negatives made therefrom, and including a moving pencil of light and a photo-electric cell with its supply circuit; a photo-cell current-density converter, adapted to convert currents passing said photocell into voltages proportional to photographic densities; a recording device, adapted to record said voltages proportional to densities; means to play back simultaneously the voltages representing densities of said test object and of said three separation negatives, respectively; means to coordinate said played back voltages whereby the voltages played back at any given time denote densities of the same point upon the test object and the three separation negatives, respectively; at least one negative-positive converter adapted to convert voltages representing densities of a



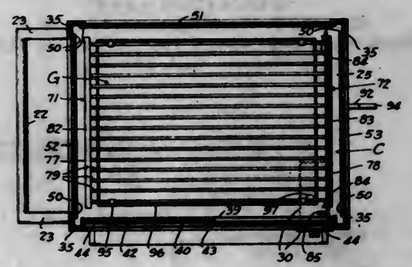
photographic negative into voltages representing densities of a positive print made from said negative upon sensitized material of known characteristics under assumed exposure time and contrast conditions, including means under the control of the operator to adjust said last-named two conditions; a masking network, additively combining at least one voltage representing densities of one of the separation negatives with a voltage representing densities of at least one positive printed, respectively, from one of the two other separation negatives, said last-named voltages having been produced by negative-positive converters as described above, whereby at least one voltage is generated representing densities of a masked separation negative; and an indicating device showing the densities of said masked separation negative as a function of the corresponding densities of said test object.

2,573,114
HOLDER FOR SHEETS
Bruce K. Slonneger, Dayton, Ohio
Application September 16, 1948, Serial No. 49,569
18 Claims. (Cl. 281—44)

1. A sheet holder comprising a receptacle having upper and lower sheet receiving compartments, said compartments being separately accessible through passages in different portions of said receptacle, a closure having parts normally closing both of said passages to prevent access to either of said compartments, and means for mounting said closure on said receptacle for movement to a position in which one of said passages is open and the other of said passages is closed, or to a position in which the first mentioned passage is closed and the last mentioned passage is open.



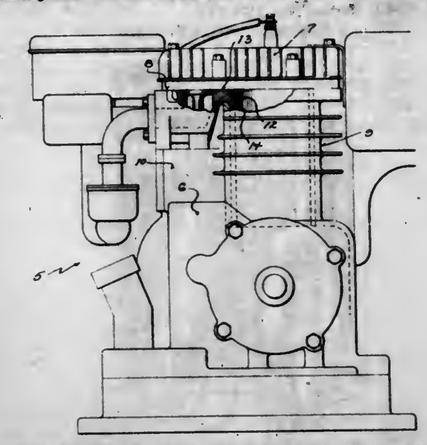
2,573,115
BARBECUE STOVE
Thomas J. Sisto, Alhambra, Calif.
Application July 5, 1949, Serial No. 103,015
3 Claims. (Cl. 99—450)



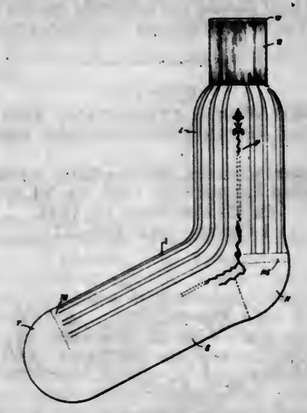
1. In a barbecue stove, a grill comprising: two frames definitely spaced apart and having notches at intervals along their lengths; food-supporting rods spanning said frames and having their end portions seating in said notches and confined against axial displacement by the frames; one of said frames having fixed means to prevent lateral displacement of the respective end portion of the rods from such frame; and a removable locking member spanning the end portion of the rods at the other of said frames to lock the rods in the notches of said other frame.

2,573,116
BLOCK FOR INTERNAL-COMBUSTION ENGINES
Felix J. Stuckert, Wauwatosa, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application November 6, 1947, Serial No. 784,468
1 Claim. (Cl. 123—195)

In a single cylinder internal combustion engine: a die cast block having a relatively upright cylinder which opens to the top of the block; a substantially rigid ferrous metal unit cast within the block, said unit including a plate-like member having a flat upper surface forming substantially the entire top surface of the block, a cylinder liner joined to the plate-like member and extending downwardly therefrom into the block to define the inner wall of the cylinder bore, valve seats on the upper exposed surface of the plate-like member alongside the cylinder liner, valve guides joined to said plate-like member and extending downwardly therefrom in alignment with said valve seats, and marginal edge portions on the periphery of said plate-like member spaced inwardly from the sides of the block and offset below said top surface of the plate-like member and covered by the die cast metal of the block to securely anchor the ferrous metal unit in place in the block; and a head detachably secured to the block at the top thereof and having a flat undersurface seating flatwise upon said flat top surface of the plate-like member.

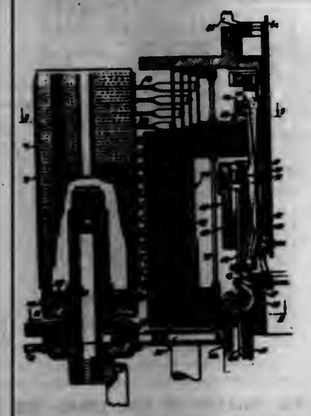


2,573,117
ARTICLE OF HOSIERY
Paul L. Thurston, Martinsburg, W. Va., assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Application January 8, 1949, Serial No. 69,961
7 Claims. (Cl. 66—180)



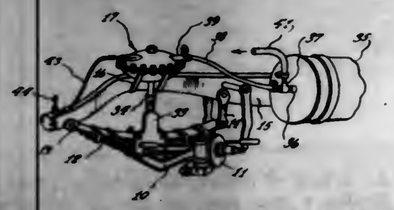
1. An article of hosiery comprising a foot portion having a heel and toe and an integral leg portion formed of tubular seamless fabric composed of body yarn knit to form inwardly facing stitches and outwardly facing stitches arranged in predetermined order and a plurality of wrap yarns extending walewise along each of a plurality of successive wales and knit alternatively at selected stitches of their respective wales.

2,573,118
CIRCULAR KNITTING MACHINE
Paul L. Taurion, Martinsburg, W. Va., assignor to Interwoven Stocking Company, New Brunswick, N. J., a corporation of New Jersey
Original application January 8, 1949, Serial No. 69,961. Divided and this application December 16, 1949, Serial No. 133,291
6 Claims. (Cl. 66—135)



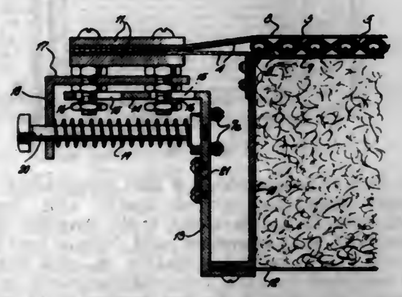
1. In a circular knitting machine having coaxial superposed needle cylinders, double ended needles operable selectively in either cylinder, means for feeding thread to the needles and means for actuating the needles to take and knit the thread, a carrier disposed inside of and rotatable with the upper needle cylinder, a plurality of thread feeding fingers movably carried by said carrier, each of said fingers having a shank portion and a pair of resilient arms projecting laterally from said shank, each having at its outer end a downwardly projecting tip portion provided with a thread guiding eye and inclined at an angle to the arm, the direction of inclination of one of said tip portions being opposite to that of the other and means for bringing one or the other of said eyes into wrapping relation with selected needles.

2,573,119
COMBINED SHOCK ABSORBING AND MOTOR VEHICLE SPRING SUSPENSION ARRANGEMENT
Roberto Torres, Mexico City, Mexico
Application January 19, 1949, Serial No. 71,666
In Mexico April 15, 1948
1 Claim. (Cl. 267—31)



A combined shock absorbing and overloading device for vehicle spring suspensions comprising upper and lower casing members secured together to provide a casing and adapted to be connected to a vehicle frame, a flexible diaphragm connected between the casing members and dividing the space within the casing to provide chambers above and below the diaphragm, a compressed air tank connected to the upper member to supply air under pressure to the space above the diaphragm to augment the action of the spring suspension, spring reinforcing plate means lying on the opposite sides of the diaphragm and secured thereto, a wear plate having a socket recess therein and means for securing said wear plate to the diaphragm and to the reinforcing plate means, a connecting rod extending through the lower part of the casing and having a ball formation thereon engaging with the socket recess of the wear plate, adjustable means on the lower end of the connecting rod for effecting the connection thereof with the vehicle spring suspension, said lower member having opening means therein for controlling the outlet flow of air from the lower part of the casing to provide shock absorbing action and for the return of the atmospheric air to the lower part of the casing, said upper casing member having an air inlet opening, a pipe with a valve fitting thereon connected to the air inlet opening and adapted to form a connection therewith of an air charging device for placing the compression tank and the upper part of the casing under a predetermined pressure depending upon the load of the vehicle.

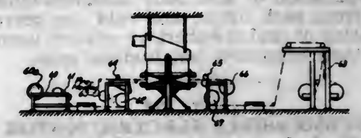
2,573,120
HEAT RADIATOR AND METHOD OF RADIATING HEAT
Richard F. Wandelt, Gladstone, N. J.
Application December 4, 1947, Serial No. 789,740
7 Claims. (Cl. 219—34)



4. A radiant heater including, in combination, a cloth diaphragm assembly which is elastically flexible in all directions and includes a front layer formed by a sheet of cloth woven from threads of refractory fibers and a rear layer formed by fabric woven from threads of refractory fibers and carrying flexible electric heating resistance, and means tautly stretching said diaphragm in a flat plane and continuously maintaining tension directed throughout said diaphragm in a plurality of mutually transverse directions lying in said plane.

2,573,121
RADIANT HEATING AND DRYING DEVICE
Richard F. Wandelt, Gladstone, N. J.
Application April 20, 1950, Serial No. 156,957
16 Claims. (Cl. 34—155)

15. A web heating machine including, in combination, means forming the web into a span and causing it to travel therethrough, mutually opposed porous heated diaphragms positioned on opposite sides of said span and movable towards and from the same, means forcing fluid to flow through said diaphragms towards said span, hollow walls extending from the sides of one of said diaphragms and straddling the other thereof and extending to outer ends beyond the back thereof and being free to move relative to this other diaphragm, said walls having inlets



opening to the space between said diaphragms and having outlets in their outer ends, means sucking through said inlets and exhausting through said outlets, and an exhaust hood opening towards said diaphragms and into which said wall's outer ends extend.

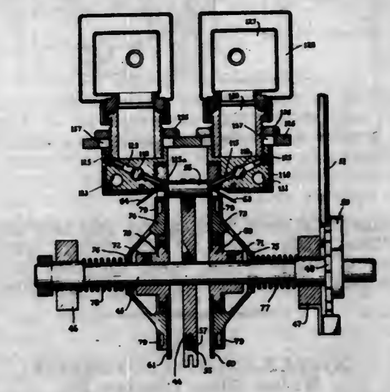
2,573,122
DUAL SPEAKER CONTROL
Rennie Irwin Weber, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application May 11, 1949, Serial No. 92,721
5 Claims. (Cl. 179—1)



1. A volume control circuit for selectively apportioning the potential of a signal source between a pair of transducers, comprising: a volume control including an elongated resistance element having first, second and third sections of substantially equal length connected in series in the recited order, said second section having an electrical resistance of predetermined value, and said first and third sections individually having an electrical resistance less than that of said second section; a pair of electrically conductive contactors included in said volume control, spaced apart by a distance approximately equal to the length of one of said sections so as to engage different sections of said resistance element, and supported for simultaneous movement along said resistance element; means for moving said contactors along said resistance element; and means for connecting each of said transducers to said source through respective ones of said contactors and through said resistance element.

2,573,123
APPARATUS AND PROCEDURE FOR FILLING ELECTRICAL CAPACITORS AND THE LIKE
Felix Weiss, Brookline, Mass., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application January 7, 1948, Serial No. 922
19 Claims. (Cl. 18—5)

17. In apparatus of the character described, in combination, a delivery conduit, means for intermittently advancing successive hollow-ended articles into proximity with said delivery conduit to receive molten plastic material therefrom, said means comprising structure holding each successive article with its hollow end opening horizontally toward the delivery conduit, and said conduit having associated means substantially closing said end opening of the article around the conduit when the article is disposed in proximity to the conduit, molten plastic material supply means adapted to communicate with said delivery conduit, a reciprocating pump device connected to said supply means and delivery conduit for advancing the plastic material from the supply means under pressure through the conduit, means timed with the intermittent advancing means for actuating the pumping device

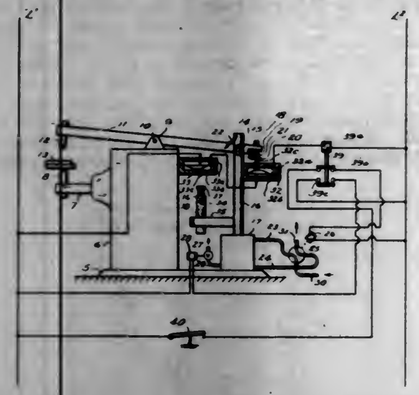


when a hollow article is held adjacent the conduit by the advancing means, control means for said last-mentioned means, including, a feeler device for sensing the presence, in the advancing means, of an article to receive plastic material, a switch actuated by said feeler device, a second switch associated with the advancing means and actuated upon advance of an article into position adjacent the conduit, and means electrically controlled by said switches for effecting actuation of the pumping device only when an article is present in the advancing means and has been arrested in position to receive plastic material from the conduit.

2,573,124
SAFETY CONTROL FOR ROCKER-ARM WELDERS
Jerome B. Welch, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 3, 1950, Serial No. 159,694
7 Claims. (Cl. 219—4)

2. In a powered electric welder, in combination, a pair of relatively movable welding electrodes, a carrier pivotally movable in reverse directions to move one of said electrodes toward or away from the other electrode, a rectilinearly movable member having a lost motion driving connection with said carrier, and which upon movement in one direction effects movement of said carrier to separate said electrodes, power responsive means affording movement of said member in said one direction to a normal extreme position or in the opposite direction toward another extreme position, said carrier inherently tending to move its electrode toward said other electrode and insuring take-up of lost motion between it and said member upon movement of the latter from its normal extreme position toward its other extreme position until said carrier

electrode contacts the work between said electrodes or is arrested before it contacts the work, and control means for said power responsive means including means responsive to relative



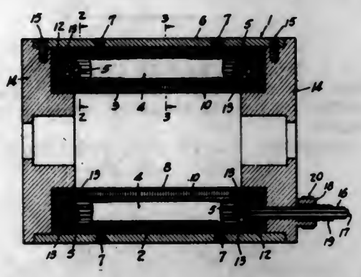
movement between said carrier and said member resulting from arrest of the carrier electrode before it contacts the work to effect powered movement of said member in said one direction.

2,573,125
DOUBLE-ENDED CLOTHESPIN
Walter Wilks, Chicago, Ill.
Application January 25, 1949, Serial No. 72,652
1 Claim. (Cl. 24—81)



A double-ended clothes pin comprising a pair of body members, each member having a jaw at each end, and the members being in engagement with each other intermediate their ends with the jaws at each end being spaced apart, a longitudinally extending central projection formed integrally with one of said body members, a recess formed centrally in the other of said body members for receiving said projection, said projection and recess being adapted to hold the body members against lateral separation from each other in either neutral or expanded position of the clothes pin, a longitudinally extending channel formed on the outer side of one of said body members, the bottom of said channel being substantially flat, with each of the side walls of the channel extending outwardly its greatest amount midway between the ends of said body portion and sloping inwardly from the mid-portion toward the two ends of said body member, an outwardly arched leaf spring lying wholly inside of said channel when the clothes pin is in both its neutral position and its expanded position, a passageway passing through the central parts of the two body members and communicating with said channel, an aperture through said spring in alignment with said passageway, and a pin connected at one end with one of the body members and extending through the passageway and the other body member and the aperture of said spring, the other end of said pin having a head lying outwardly of the spring and inwardly of the outer periphery of said side walls of the channel when the clothes pin is in both its neutral position and its expanded position, said pin and spring connecting the body members together resiliently and permitting limited separation of said body members outwardly away from each other, and said pin preventing separation of said members by relative movement along their respective longitudinal axes.

2,573,126
SUBMERSIBLE ELECTRIC MOTOR
Orrin E. Andrus, Altadena, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 21, 1948, Serial No. 3,388
3 Claims. (Cl. 171—252)

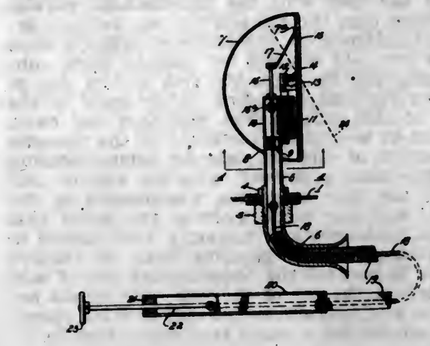


1. Submersible dynamo-electric apparatus having a stator comprising a plurality of stacked laminations having electric windings assembled in slots therein and end coils disposed at each end thereof, a pair of concentric tubes radially confining said laminations and end coils therebetween, the inner of said tubes being formed of thin non-magnetic material to minimize the air gap reluctance of said apparatus, resilient molded rubber enveloping said end coils and occupying substantially the entire space between the projecting end portions of said tubes, and an opposed pair of end caps disposed at the ends of the tubes in engagement with said rubber to close the ends of the tubes and confine the rubber against substantial swelling upon contact with the fluid submerging the apparatus, said end caps having inwardly axially extending portions engaging the inner surface of said inner tube opposite said confined rubber to prevent collapse of said inner tube under the pressure of said rubber.

2,573,127
VISUAL INDICATING DEVICE FOR VEHICLES
Hans D. von Bredow, Hartland, Wis.
Application March 6, 1950, Serial No. 147,895
1 Claim. (Cl. 88—93)

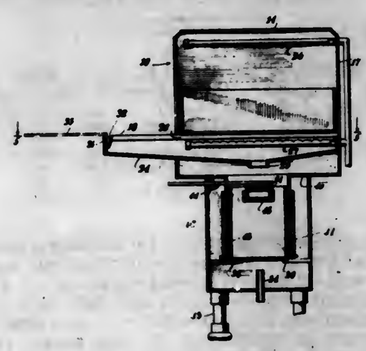
In visual indicating devices for the hoods of automobiles, a substantially L-shaped tube adjustably secured to and extending through the top of the hood and thereabove, a housing having a large perforation receiving the upper end of said tube, a casing fast to the top of said tube within said housing, a cylindrical gear having a shaft journaled in the casing walls, a bracket fast to said shaft, a stud carried by one housing wall pivotally engaging said bracket, a spring connecting said bracket and said one housing wall, said one housing wall disposed at all times in direct line of vision of the automobile driver, a mirror arranged upon the outer face of said one housing wall, a rotary and longitudinally adjustable rod extending through and beyond said casing into said tubular member and into

said housing, a cord connecting said rod and said one housing wall, a pinion fast upon said rod in mesh with said cylindrical gear, a tube extending through a wall of the automobile, and man-



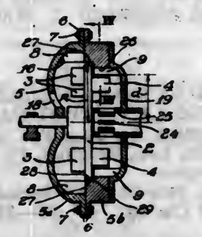
ually operable means engaging said rod for rotating and exerting a pull thereupon to adjust said housing, said means extending through said tube and into the automobile front compartment.

2,573,128
DEVICE IN DISHWASHING MACHINE FOR RECOVERING SILVERWARE AND THE LIKE
Mario Cavicchioli, New York, N. Y.
Application April 5, 1947, Serial No. 739,705
2 Claims. (Cl. 134—104)



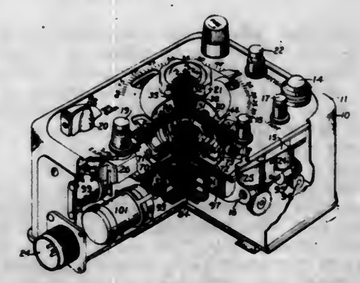
2. In a washing machine for china, glassware, silverware and the like, having a spray washing compartment with an open front end provided with an extending platform integral therewith and having a bracket therein, supporting means in the compartment for retaining dishes and cutlery thereon, conduit means disposed above and below the bracket in the compartment, the improvement comprising an apertured inclined floor in said washing compartment, a lower chamber having a normally closed aperture on one side thereof, a removable strainer drawer slidably supported below the aperture of the inclined floor in the washing compartment, said drawer being adapted for removal through said normally closed aperture in the side of said lower chamber, a catcher receptacle supported on the drawer directly below said aperture in the inclined floor, and manually operable brush means supported for a movement through said lower chamber in a plane contiguous with the top of the receptacle to brush debris therefrom into the drawer.

2,573,129
TWO-STAGE ROTARY PULVERIZER
Jean Dulait, Brussels, Belgium
Application March 2, 1949, Serial No. 79,265
In Belgium March 5, 1948
6 Claims. (Cl. 241—154)



1. In a crusher the combination of a stator provided at its inner periphery with two rings of chambers opening inwardly, and with a circular concavity between said rings of chambers, said circular concavity having a cylindrical surface and a right angle intersecting annular surface, one of said rings of chambers being located radially outward and the other radially inward of said circular concavity, a rotor disc in said stator, said rotor disc facing said cylindrical surface of said concavity, the diameter of said rotor disc being comprised between the smaller and larger diameters of said right angle intersecting annular surface of said concavity, and a set of beaters on each side of said rotor disc, each said set of beaters facing one of said rings of chambers.

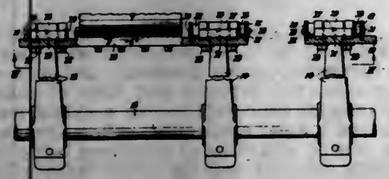
2,573,130
ELECTRICAL TIMER
Milford B. Moore, Lansing, Ellsworth D. Willis, Okemos, and Robert L. Ginther, Lansing, Mich., assignors to Talbert Abrams, doing business as Abrams Instrument Company, Lansing, Mich.
Application October 27, 1944, Serial No. 560,616
6 Claims. (Cl. 161—1)



1. In a device of the character described, a support, a radial arm fixed to a driven shaft rotatably mounted on said support, a drive shaft coaxial with said driven shaft for rotating said arm in one direction, said means comprising a releasable clutch arranged coaxially of said shafts, electro-magnetic means for operating said clutch, means associated with said arm for rotating said arm in the opposite direction when said clutch is released, a stop adjustably mounted on said support and engageable with said arm to limit the rotary movement of said arm in the opposite direction, a cam rotatably mounted on said support, means fixed to said cam and engageable by said arm after a predetermined

rotation of the latter in said one direction for rotating said cam, means associated with said cam for rotating the latter in the opposite direction when released from said driving means, and a switch in series with said electro-magnetic means mounted on said support adjacent said cam and adapted to be actuated thereby upon a predetermined movement of said cam.

2,573,131
NEEDLE ACTUATING MECHANISM FOR STRAIGHT KNITTING MACHINES
Albert Friedmann, Reading, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania
Application July 27, 1949, Serial No. 107,078
7 Claims. (Cl. 66—82)



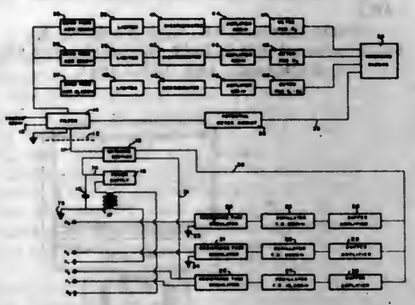
1. In needle actuating mechanism for a straight knitting machine, the combination of a fixed bed with transverse grooves for guidance of a series of sinkers; a needle bar with a series of spring beard needles to cooperate with the sinkers in stitch formation; a supporting member with a pivot axis on which the needle bar is fulcrumed for presser movement; and means carried by the supporting member whereby the needle bar can be adjusted laterally in the direction of the pivot axis relative to the said member to center the needles in the intervals between the sinkers.

2,573,132
HEARING AID SUPPORT
George W. French, Chicago, Ill.
Application January 21, 1948, Serial No. 3,403
3 Claims. (Cl. 181—23)



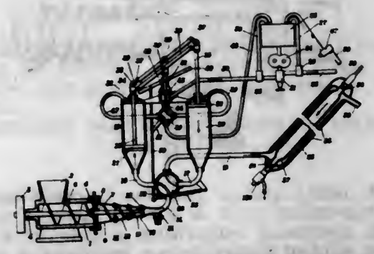
1. In a hearing aid device, an elongated hollow ear piece, the intermediate portion of which is of lesser thickness than the end portions thereof, one end portion being rounded to form a tip adapted to be inserted into the ear canal of the user, a generally U-shaped hollow tube constructed of a relatively stiff material having a pair of spaced, substantially straight leg portions connected by a curved intermediate portion adapted to extend in inverted position over the ear of the user with the intermediate portion positioned over the ear and the leg portions depending downwardly therefrom on opposite sides of the ear, said straight leg portions being substantially parallel with the free end of one of said leg portions extending at an angle to the plane of said parallel legs, said free end being adapted to be rigidly connected to the opposite end portion of said ear piece for communicating with the interior thereof, with the axis of said end of the tube extending transversely to the axis of said ear piece whereby the latter axis extends outwardly and upwardly with respect to said plane, said leg portions being of relative lengths to position the opposite free end of said tube behind the ear of the user, and means secured to said opposite end of said tube for operatively connecting a sound reproducer thereto.

2,573,133
WELL LOGGING SYSTEM
Walton J. Greer, Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application August 13, 1948, Serial No. 44,149
6 Claims. (Cl. 175—182)



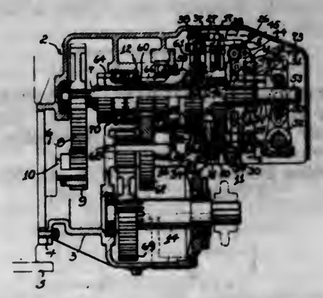
2. In an electrical system for making a natural potential log and a plurality of resistivity logs of an oil well or the like simultaneously, in which electrodes are lowered into a bore hole on a single conductor electrical cable, power is sent down the cable from an alternating current source at the surface of the ground to cause current to flow through fluid in the bore hole and through earth formations and signals indicative of the natural earth potential and of the resistivity of the formations are transmitted up the cable to measuring apparatus at the surface, the combination with a plurality of pick-up electrodes in the bore hole of a matching section for impressing all of said signals upon the conductor of the cable and a plurality of units for converting the alternating current potentials impressed upon certain of said pick-up electrodes by the flow of current into frequency modulated signals, each of said units having an input from one or more of said pick-up electrodes and having an output into said matching section and each of said units consisting of a signal receiving circuit for converting changes in alternating current potential into changes in resistance, an oscillator circuit for generating carrier waves connected to said signal receiving circuit and a buffer amplifier connected to said oscillator circuit and said matching section, the arrangement being such that the changes in resistance of said signal receiving circuit modulate the frequency of the carrier waves of said oscillator circuit.

2,573,134
APPARATUS FOR DEHYDRATING PEAT HAVING A HIGH WATER CONTENT
Franz Gebauer, Lofer, Austria
Application February 29, 1948, Serial No. 12,175
In Austria January 22, 1947
10 Claims. (Cl. 44—33)



1. An apparatus for dehydrating peat, which comprises means to crush the raw peat to convert the same to a substantially fluid mass, an autoclave, means to supply steam to the upper end of said autoclave, a conduit passing through said autoclave in upward direction to convey the mass through said autoclave, means to continuously force the mass through said conduit, and openings in the upper part of said conduit to allow the water liberated from the mass to escape therethrough.

2,573,135
MULTIPLE CLUTCH MECHANISM
Chris Gerst, Detroit, Mich., assignor to The Transmission & Gear Company, Dearborn, Mich., a corporation of Michigan
Application November 7, 1947, Serial No. 784,681
12 Claims. (Cl. 192—48)

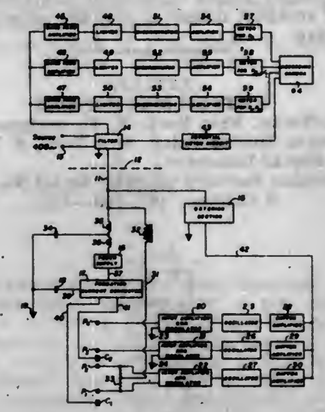


1. In dual clutch mechanism, the combination of two clutch devices including jointly a single backing plate structure fixed against axial movement, a single shiftable pressure plate structure with a body and two laterally spaced pressure plate means mounted on said body, said pressure plate means having said backing plate structure partly arranged therebetween, a single dual clutch lever pivotally mounted on said backing plate structure and linked to the pressure plate structure, and shiftable means adapted to tilt said dual clutch lever in opposite directions to effect selective cooperation of either one of said pressure plate means with said backing plate structure.

2,573,136
PREPARATION OF SUBSTITUTED QUINONES
William K. T. Gleim, Orland Park, and Alexander Gaydasch, Brookfield, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 8, 1949, Serial No. 114,688
12 Claims. (Cl. 260—396)

1. A process for producing a quinone having a hydrocarbon substituent on the quinone ring which comprises oxidizing a monoether of a hydroquinone in the presence of an oxidizing agent selected from the group consisting of alkali chlorate, vanadium pentoxide, nitrous acid and sodium nitrite.

2,573,137
ELECTRIC WELL LOGGING SYSTEM
Walton J. Greer, Houston, Tex., assignor to Halliburton Oil Well Cementing Company, Duncan, Okla.
Application April 21, 1950, Serial No. 157,309
6 Claims. (Cl. 175—182)

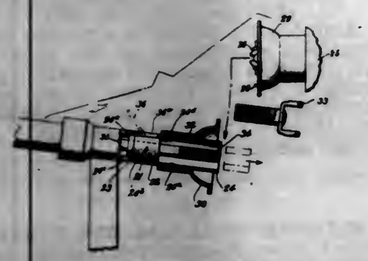


1. In an electrical system for making simultaneously a plurality of resistivity logs of earth formations along a borehole, the combination with a single conductor cable having current electrodes and pick-up electrodes at its lower end of a source of alternating current at the surface of the ground connected to the conductor of the cable and arranged to cause a formation current to flow between said current electrodes, frequency modulation signalling circuits connected to said pick-up electrodes and the conductor of the cable for transmitting signals to measuring apparatus at the surface of the ground and a frequency converter at the lower end of the cable for causing the formation current to have a different frequency than that transmitted through the conductor of the cable from said source.

2,573,138
DRIVE SHAFT BUSHING ASSEMBLY
Theodore C. Gerner, Oklahoma City, Okla.
Application April 29, 1948, Serial No. 24,004
8 Claims. (Cl. 308—36.1)

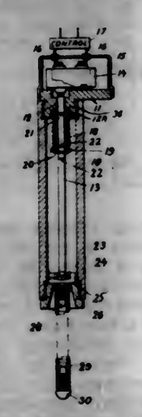
8. In an automotive vehicle, a propeller shaft housing, a propeller shaft in said housing, journals for said shaft adjacent one end of the housing, said housing having a portion of small diam-

eter surrounding one of the journals, a portion of large diameter surrounding the other of the journals and a portion of intermediate diameter surrounding the shaft between the journals, a sleeve frictionally engaging the portion of intermediate diameter and loosely engaging the por-



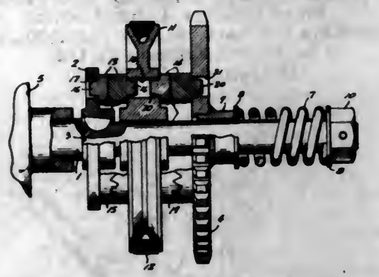
tions of small and large diameter, a pair of axially spaced bearing sleeves within said outer sleeve, said bearing sleeves engaging said journals, and internal sealing rings between the end of said outer sleeve underlying the housing portion of smallest diameter and the adjacent bearing sleeve.

2,573,139
SWITCH MECHANISM
Leo Hoffman, New York, N. Y., assignor to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware
Application January 20, 1950, Serial No. 139,707
4 Claims. (Cl. 200—153)



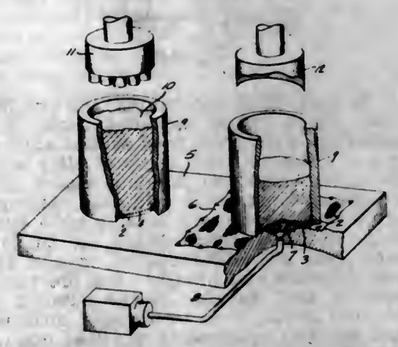
3. In a pipe testing machine or the like, having operating mechanism and feeler switch control means, the combination including a switch means connected with said mechanism for controlling operation of said machine, a housing having a fulcrum surface, a universably tiltable operating member having a fulcrum engaging surface, a reciprocable switch actuator contactable with an operating member on said switch means and with said tiltable operating member, and a flexible feeler member located in the path of the pipe, said feeler member being connected to said tiltable operating member for tilting the same and reciprocably moving the actuator and operating the switch means when the flexible member is deflected, said flexible member being deflectable by pipe of various sizes passing by the same to control said machine.

2,573,140
SAFETY CLUTCH
Sherman C. Heth, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a company of Wisconsin
Application October 2, 1946, Serial No. 700,790
4 Claims. (Cl. 64—29)



2. A safety clutch unit for transmitting rotary movement from a driving member to two driven members, comprising a pair of axially spaced aligned rotary driven members, a rotary driving member disposed between said driven members, a common axial support for said members, means securing one of said driven members against axial movement upon said support in a direction away from said driving member, said other driven member and said driving member being axially movable and rotatable upon said support, a pair of slip clutch faces carried by said intermediate driving member on opposite sides thereof and having teeth extending axially in opposite directions from said driving member toward the driven members, a slip clutch face on each driven member having complementary teeth disposed to engage and disengage the corresponding teeth of the adjacent slip clutch face of said driving member, and a single biasing means urging said axially movable driven member toward said axially secured driven member to normally hold all of said clutch faces in engagement and adapted to recede to provide for slippage of either clutch face engagement or of both such engagements under overload and emergency conditions.

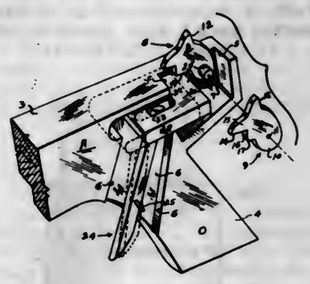
2,573,141
PROCESS OF MOLDING A COSMETIC
Herbert Heinrich, Milwaukee, Wis., assignor to Kolmar Laboratories, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 11, 1947, Serial No. 790,947
3 Claims. (Cl. 18—55)



1. In the manufacture of a compressed dry powder cake cosmetic, providing a container con-

stituting a permanent support for receiving and rigidly holding the cake having a plurality of open holes in its bottom and false sides extending above the side edges of the support, filling the container provided by the support and its false sides with the powder mixture, settling the powder to a condensed loose mass, and thereafter pressing the powder into a cake on said support under a high pressure while the latter is supported upon a base providing channels for the escape of the air from the powder through the holes in the container.

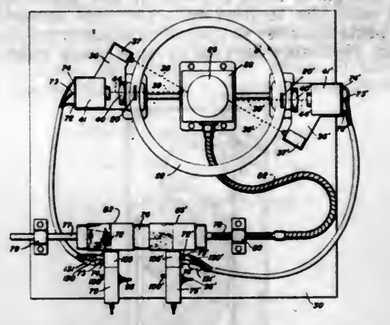
2,573,142
REPEATING RUBBER BAND TOY GUN
Arthur G. Herring, Oklahoma City, Okla., assignor to Joseph C. Lockhart, Oklahoma City, Okla.
Application June 16, 1947, Serial No. 754,802
2 Claims. (Cl. 124—19)



1. A toy gun, including: an elongated barrel; a stock extending longitudinally from the rear end of said barrel, and having a longitudinal cavity formed therein; a pivot pin passing transversely through said cavity; a plurality of retaining elements rotatably mounted on said pin, and having portions normally projecting above said stock; a shoulder on each of said elements, said shoulders being of uneven lengths; a shuttle within said cavity beneath said shoulders for holding the elements in their normal positions of projection above the stock, said shuttle slidable in a forward direction from beneath said shoulders successively to release the elements to separate and individual partial forward and downward rotation; a trigger engaging the shuttle for moving it forwardly; and a spring for retrieving said shuttle to its normal rearmost position.

2,573,143
APPARATUS FOR COLOR REPRODUCTION
Carlyle W. Jacob, Rochester, N. Y.
Application March 29, 1948, Serial No. 17,773
21 Claims. (Cl. 178—5.2)

1. Apparatus for producing colored pictures comprising means for atomizing a plurality of differently colored inks to form separate streams of mist containing differently colored ink particles, means for electrically charging the particles in each stream, means for establishing electrical fields and for passing each stream through one of such fields, means for varying the intensity of each field to remove varying numbers of particles from each stream, and means for moving a record-receiving medium in scanning relation to the so-treated streams so that the parti-



cles remaining in the streams may be applied to said record-receiving medium.

2,573,144
SLOTTED OUTLET GAS BURNER HEAD
Richard C. Jaye, Milwaukee, Wis., assignor to Syncromatic Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 22, 1946, Serial No. 656,248
2 Claims. (Cl. 158—116)

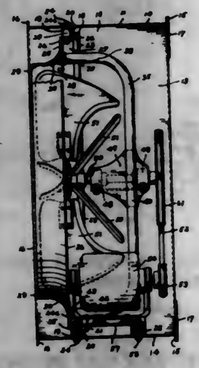


1. In a gas burner of the class described, a hollow burner body constituting a gas chamber adapted to receive a supply of gas and primary air mixture and to transmit the same to jets in the body, said body comprising a pair of oppositely disposed upwardly and inwardly inclined sides of substantial height and breadth and substantially uniform thickness meeting centrally in a ridge and constituting the burner surface, and said sides having a substantially uniform pitch between an angle of about 30° and an angle of about 50° to the perpendicular and having a plurality of transverse substantially vertical slot jets extending continuously across the ridge from side to side of the burner surface and spaced longitudinally thereof, whereby the upward and inwardly sweeping secondary air along the sides of the jets tends to effect a more complete concentrated combustion of the gas and primary air mixture and to merge the flame of each jet from the opposite sides of the burner at the ridge, and the draft provided by the secondary air sweep adjacent and between the jets tends to prevent flash back at low pressures of gas.

2,573,145
VENTILATING FAN MOUNTING STRUCTURE
Verner E. Sprouse and Trueman P. Jordan, Columbus, Ind., assignors to V. E. Sprouse Company, Inc., Columbus, Ind., a corporation of Indiana
Application December 20, 1949, Serial No. 134,054
3 Claims. (Cl. 230—117)

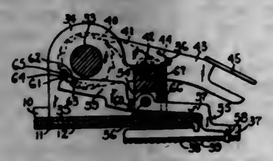
2. A fan mounting structure comprising a box; a plate member having a Venturi orifice there-

through and positioned to extend across the box; a plurality of vibration absorbing spacers between the marginal edge portion of the plate member and said box to provide a resilient mounting of the plate member in spaced relation from the box; a fan revolubly carried by said plate member to



have its discharge side located to carry air through said orifice; and a fan drive motor also carried by said plate member; and a baffle member spaced from said plate member to extend inwardly of the box a distance exceeding the spacing of the plate member therefrom.

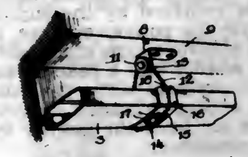
2,573,146
CLOTH-HOLDING DEVICE FOR BUTTONHOLE ATTACHMENTS
Harry N. Johnson, New Haven, Conn., assignor to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application November 12, 1949, Serial No. 126,738
9 Claims. (Cl. 112—77)



1. A sewing-machine attachment comprising a frame, a fork arm pivoted thereon, a feeding foot movably connected to the frame and having an elongated needle opening therein, an adapter on the forward portion of the frame for attachment to the presser bar of the sewing machine, a lever pivoted on the adapter and extending forwardly therefrom and having a downwardly-projecting cloth-holding foot at its forward end overlying the opening in the feeding foot, and means on said fork arm to engage and move said lever.

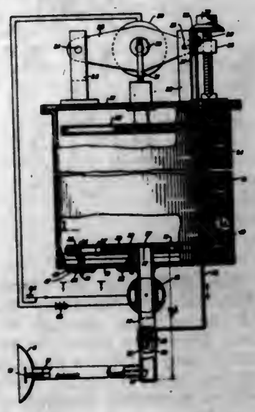
2,573,147
INTERMEDIATE SUPPORT FOR VENETIAN BLIND TILT RAILS
Bela B. Junkunc, Chicago, Ill., assignor to Bela B. Junkunc, Alexander Junkunc, Sr., Alexander Junkunc, Jr., and Joseph G. Junkunc, doing business as J. & J. Tool & Machine Co., Chicago, Ill., a partnership
Application June 16, 1949, Serial No. 99,523
2 Claims. (Cl. 160—177)

1. An intermediate support for a tilt rail comprising a fixed bracket, a roller mounted in said bracket to rotate in a plane transverse of the tilt rail to be supported, a clamp frictionally secured to said tilt rail beneath said roller, a plurality



of ears projecting outwardly from said clamp, and a chain extending around the periphery of said roller, the ends of said chain being secured to said clamp by engagement with said ears.

2,573,148
TUNABLE RESONANCE CHAMBER
Walter F. Kannenberg, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1945, Serial No. 586,307
15 Claims. (Cl. 178—44)

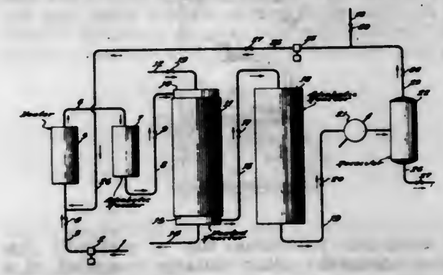


2. A space resonance resonator of high Q having an end wall provided with a substantially plane interior surface, said end wall fitting loosely within the resonator and an extraneous mode suppressor comprising a sheet of dielectric substance affixed to said end wall back of its interior face and extending outwardly beyond said end wall to cover at least a portion of the space exposed at the periphery of said end wall, a tuning piston in said resonator and levelling means for said end wall to maintain it in true parallelism with said piston.

2,573,149
THREE-STAGE CATALYTIC PROCESS FOR THE REFORMING OF GASOLINE
Louis S. Kassel, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 20, 1948, Serial No. 61,155
5 Claims. (Cl. 196—49)

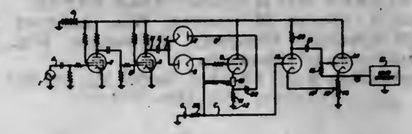
1. A process for reforming saturated hydrocarbons boiling in the gasoline range which comprises passing the hydrocarbons serially through three successive bodies of solid reforming catalyst maintained at from about 750° F. to about

1000° F., maintaining the first catalyst body of the series under substantially adiabatic conditions and therein removing deleterious carbon-forming constituents from the hydrocarbons without effecting more than a small amount of reforming in said first body, subjecting the hydrocarbons to endothermic aromatization in the



second catalyst body of the series and radiantly heating said second body to supply at least a portion of the endothermic heat of the aromatization reaction, and subjecting the hydrocarbons to hydrocracking in the third catalyst body of the series under substantially adiabatic conditions.

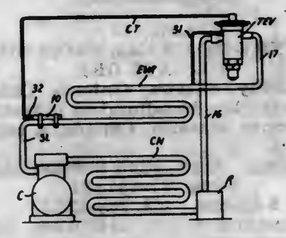
2,573,150
FREQUENCY DIVIDER
Lester Y. Lacy, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1946, Serial No. 650,977
3 Claims. (Cl. 250—27)



1. In a pulsing circuit, a large condenser to be charged in steps, means to transfer increments of charge to said condenser through a small condenser from a source of voltage varying between fixed limits, and means to partially equalize the steps of charge in said large condenser comprising a tube having a cathode, grid and anode, a cathode-grid circuit, and a cathode-anode circuit including a source of anode potential, said tube having its cathode-grid circuit connected across said large condenser and its cathode connected to ground through resistance consisting of a linear resistor adjacent the ground terminal and a non-linear current-dependent resistor in series therewith adjacent the cathode, said resistors having a common junction joint between said cathode and ground, and a connection from said junction point through a unidirectionally conducting element to one terminal of said small condenser.

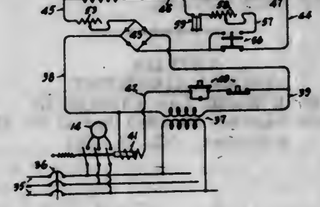
2,573,151
REFRIGERANT EXPANSION VALVE
Harold T. Lange, Webster Groves, Mo., assignor to Sporlan Valve Company, St. Louis, Mo., a corporation of Missouri
Application October 9, 1947, Serial No. 778,814
6 Claims. (Cl. 62—8)

1. In a refrigerant system of compressor-condenser-evaporator type, including a thermostatic expansion valve together with a thermal responsive device for actuating the valve, said device including a fluid motor and a fluid-charged thermal sensing unit, means translating fluid expansion within the sensing unit, to the valve for actuation of same, the sensing unit being of chambered characteristic, and a mass of a solid ma-



terial within the chambered portion of the sensing unit providing an augmented condensing surface and mass, said mass having a predominant proportion of its surface area spaced from the material of the sensing unit and a greater heat capacity than the material of the sensing unit.

2,573,152
FORWARD AND REVERSE DRIVE FOR LATHE SPINDLES
Lorenz Albert Leifer, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application September 13, 1948, Serial No. 49,097
7 Claims. (Cl. 192—4)



1. In a lathe headstock, a drive sheave, power means to drive said sheave, a driven shaft, a pair of rotary drive means coupled with said driven shaft to drive the same in opposite directions whereby rotation of said driven shaft by one of said drive means effects idling rotation of the opposite drive means in a direction opposite to that of said operative drive means, an electro-magnetic clutch disposed between said drive sheave and each of said rotary drive means to provide for the selective driving of said driven shaft in either forward or reverse direction, means connecting said clutches to a source of electricity to energize said clutches alternately under manual selection to drive and brake the driven shaft and to de-energize the clutch serving as a brake automatically upon braking of the speed of said driven shaft to zero, a spindle, a change speed transmission disposed between said driven shaft and spindle to drive the latter, a switch in the circuit connections for said clutches disposed to disconnect the driving clutch

in any instance and energize the clutch serving as a brake for reducing the speed of said transmission to a safe speed for shifting the same, and means for operating said switch in correlation to the shifting of the transmission to automatically cause the stated reduction in transmission speed.

2,573,153

RECOVERY OF NICKEL FROM NICKEL SILICATE ORE

Lyall J. Lichty, Ottawa, Ontario, Canada, assignor to Quebec Metallurgical Industries Limited, Toronto, Ontario, Canada, a corporation of Canada

No Drawing. Application October 30, 1950, Serial No. 193,031
5 Claims. (Cl. 75—133.5)

1. The method which comprises intimately mixing a pulverized nickel silicate ore with a flux and a reducing agent selected from the group consisting of aluminum, silicon, ferrosilicon and an alloy of silicon, aluminum and iron and having a particle size not greater than about 65 mesh, the ratio of iron to nickel in said ore being not less than about 3.0, the amount of reducing agent being substantially equal to

$$\frac{100x}{3y}$$

plus 5 per cent thereof for each 10 per cent variation in iron content of the reducing agent from 25 per cent where x is the weight of nickel in the amount of ore treated and y is an integer between 30 and 60, thereafter supplying heat to melt the mixture whereby substantially all the nickel component and a portion only of the iron component of the ore are reduced to metal to form a molten ferro-nickel alloy containing not less than about 30 per cent nickel which settles beneath a molten slag, and separating the ferro-nickel alloy from the slag.

2,573,154

ANIMAL GARMENT

Ruth Martin Low, Chicago, Ill.

Application January 20, 1950, Serial No. 139,713
4 Claims. (Cl. 54—79)



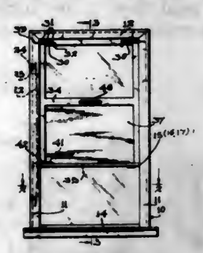
1. An animal garment comprising a body portion that conforms loosely to the general shape of the body of an animal, a surrounding skirt depending from the lower margins of said body portion, an elastic at the juncture of the body portion with the skirt portion to draw the lower margin of the body portion snugly about the lower regions of the body of the animal, and an elastic in the area of the body portion overlying the back of the body of the animal to cause that area of the body portion to conform substantially to the length of the body of said animal.

2,573,155

WINDOW FRAME AND SASH

Michael Mosolgo, Perth Amboy, N. J.

Application June 23, 1948, Serial No. 34,711
3 Claims. (Cl. 20—52.2)
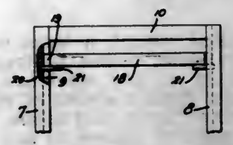


1. Resilient mounting for a vertically extended elongated plate slidably mounted in a complementary recess formed in the vertical portion of a window frame and which plate has vertical slideways in its outer face engaged by the adjacent vertical sides of window sashes, comprising an elongated bowed leaf spring, the recess being of a depth considerably greater than the thickness of the plate, said spring being within the recess and engaging the inner face of the plate intermediate of its ends and having its ends directed away from the inner face of the plate, and means on the vertical portion of the window frame and engaging the ends of said leaf spring for controlling the tension of said leaf spring against the inner face of the plate.

2,573,156

SCREEN WITH REMOVABLE PANEL

Joseph J. Meyer, Milwaukee, Wis., assignor to G-H Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 22, 1946, Serial No. 663,920
7 Claims. (Cl. 160—378)



2. In a device of the character described, the combination with spaced frame members having opposing channels and provided with bores leading oppositely into the members from the bottoms of the respective channels, of a cross bar having end portions slidably disposed in the channels of said members, and substantially aligned pins removably positioned in the bores and extending into the respective channels and engaged by the cross bar.

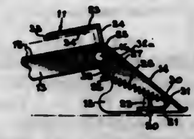
2,573,157

MEMO PAD HOLDER

Gordon B. Miller, Glendale, Ohio, assignor to Gordon B. Miller & Company, Cincinnati, Ohio, a corporation of Ohio

Application February 25, 1949, Serial No. 78,446
2 Claims. (Cl. 281—44)

1. A memo pad holder comprising; a writing platen formed of sheet metal and having a leg portion extending downwardly and rearwardly from the rear edge thereof to dispose the writing platen on an incline with respect to a supporting surface, said writing platen having at least one slit-like aperture therein which extends laterally of the platen adjacent the rear edge thereof, a pad clamp member formed of sheet metal, said pad clamp member including a strip portion extending laterally of the platen which has a tear off edge depending from the forward edge thereof and which has at least one ear projecting from the rear edge thereof downwardly through the slit-like aperture, said ear being slidable vertically in said aperture and pivotally movable about an



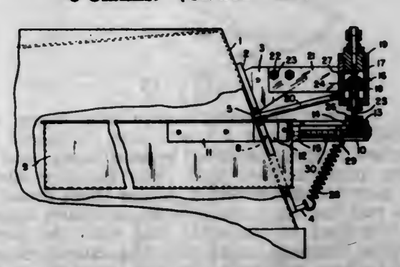
edgewise portion thereof, and a spring having one end attached to the ear at a point below the platen, said spring extending downwardly and rearwardly from the point of attachment to said ear and having its lower end attached to said leg portion, whereby said spring urges said ear downwardly and rearwardly causing the ear to contact the rear edgewise portion of the slit-like aperture and thereby hold the tear-off edge of the pad clamp member in line pressure engagement with a memo pad placed between the tear-off edge and plate.

2,573,158

AIR HUMIDIFIER

Walter E. Muth, Detroit, and Roland G. Naylor, Allen Park, Mich.

Application March 7, 1949, Serial No. 79,944
8 Claims. (Cl. 261—119)



1. An air humidifier for use with a hot air furnace, comprising a plate adapted to be secured to the crown of the furnace and having an opening therethrough formed with a lower portion and an upper portion of greater width than the lower portion, the upper portion having laterally extending portions at the opposite sides of the lower portion forming substantially aligned shoulders, an evaporating pan extending through the opening, means for fulcruming said pan on said shoulders, a valve device carried by said plate for controlling the flow of liquid to said pan and means connecting said pan to said valve device for operating said valve device upon rocking of said pan about said shoulders.

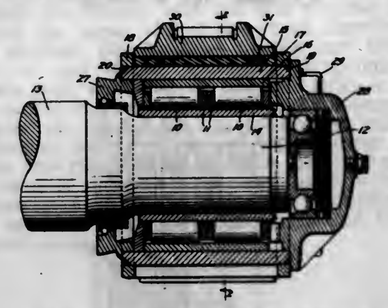
2,573,159

JOURNAL BEARING

Frank Noe, Plainville, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application March 10, 1949, Serial No. 80,622
3 Claims. (Cl. 308—189)

1. In an antifriction-bearing housing of the character indicated, a longitudinally extending cylindrical sleeve to receive radial antifriction-bearing loads on the inside thereof, end-flange means extending generally radially of both ends of said sleeve, side plates extending between said end-flange means, and a generally arcuately



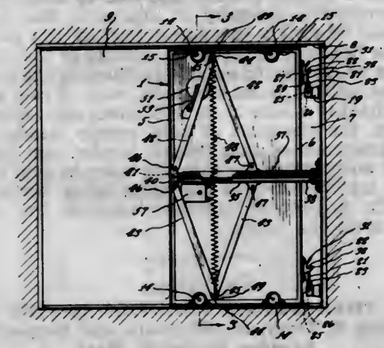
formed equalizer straddling a substantial cylindrically arcuate outer portion of said sleeve and guided between said side plates and said end-flange means, said equalizer being separate from said sleeve.

2,573,160

FIRE DOOR

August Olaf Norman, West Nyack, N. Y.

Application May 5, 1947, Serial No. 745,989
2 Claims. (Cl. 189—47)



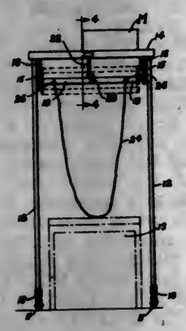
1. A fire door assembly comprising a frame, a hollow fire door slidably mounted in the frame, a rigid horizontal tubular brace member having one end fixedly secured to a side of the door frame and extending within the interior of the door, a piston and piston rod connected thereto within the tubular brace member, means securing one end of the piston rod to the door, a first set of lever arms each pivotally connected at one end to the tubular brace member, a second set of lever arms each pivotally connected at one end to the interior of the door, means pivotally connecting each of the other ends of the second set of lever arms to a respective one of the other ends of said first set of lever arms, spring means connecting the mutually pivoted ends of said lever arms for biasing the latter and the door toward a closed position, a latch element carried by the door, and means coacting with said latch element to hold the door in open position against the action of said spring means, said coacting means being operable from a point exterior of the door frame, whereby said tubular brace member serves both as a means for mounting said lever arms within the interior of the door and also as an element cooperating with said piston and piston rod to form a door check means.

2,573,161
HEAT EXCHANGER
Albert O. Tadewald, La Crosse, Wis., assignor to The Trane Company, La Crosse, Wis.
Application December 12, 1947, Serial No. 791,408
6 Claims. (Cl. 257—130)



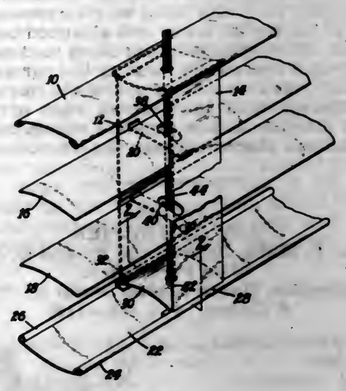
6. A heat exchanger comprising a supply header and a return header, one side of each header comprising a plurality of channels, the flanges of said channels extending toward the interior of the headers, the outside surfaces of the flanges being welded to the outside surfaces of the flanges of the next adjacent channels, each of said channels having a hole in its web, tubes extending between the channels of said supply header and the channels of said return header and having their ends extending into the holes in said channels, and the ends of the tubes being flared outwardly to prevent disengagement of the channels from the tubes.

2,573,162
THERAPEUTIC TRACTION DEVICE
Philip B. Terry, Jr., Hingham, and Horace R. Stodder, Holbrook, Mass.
Application March 16, 1949, Serial No. 81,646
2 Claims. (Cl. 128—52)



1. A therapeutic traction device comprising a main supporting frame embodying a top, a motor supported by said top, a shaft connected thereto, an elevator bar at the upper portion of said frame and lower than said top, mechanism operatively connected to said elevator bar embodying a crank arm operatively connected to said shaft, a connecting rod connected to said crank arm, supporting means for said mechanism attached to said top, a supporting arm movably connected to said supporting means and to said elevator bar, and means connecting said connecting rod to said supporting arm whereby upon rotation of said shaft said crank arm, connecting rod and said supporting arm are moved to thereby move said elevator bar upwardly and downwardly.

2,573,163
VENETIAN BLIND RAIL AND TAPE FASTENER
Ernest F. Thomson, Tuckahoe, N. Y., assignor, by mesne assignments, to J & J Tool and Machine Co., Chicago, Ill., a partnership
Application December 7, 1945, Serial No. 633,319
9 Claims. (Cl. 160—178)

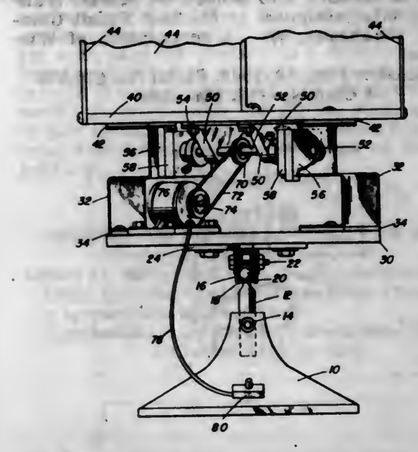


1. A Venetian blind comprising tapes, sheet metal slats having a transverse curvature on a selected radius supported by said tapes, said slats being positioned so that their concave surfaces are directed downwardly, and a sheet metal bottom rail having a transverse curvature approximating that of the slats and with the concave surface disposed upwardly, the lateral edges of said bottom rail being turned upwardly and inwardly to form opposing flanges, and a resilient clip engaging said flanges, the ends of said tapes being secured between said flanges and said clip.

2,573,164
JOGGING MACHINE
Ilya Scheinker, New York, N. Y.
Application April 10, 1945, Serial No. 587,554
11 Claims. (Cl. 271—89)

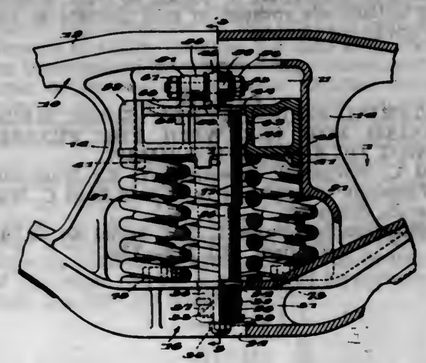
9. A jogging machine comprising an inclined table for receiving sheets to be stacked, said table being of stiff resilient material and capable of having different magnitudes of motion simultaneously over different parts thereof, means extending above the top surface of said table to align the sheets, bearings beneath said table, a shaft supported in said bearings, weights eccentrically mounted on each end of said shaft one of said weights at each end being adjustable rotatively to act at any desired degree of unbalance with respect to the weights at the opposite end of said shaft whereby to impart different degrees of motion to different parts of said table, a platform below said table, resilient sheet metal supporting members bent into S-shape supporting said table

above said platform, said supporting members being diagonally opposite and facing oppositely at



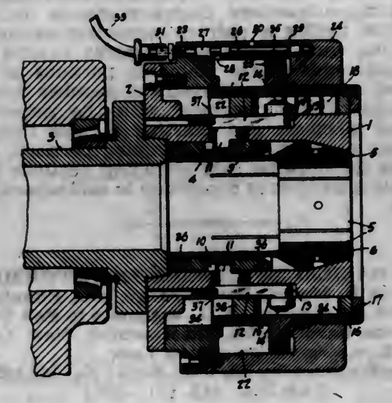
the four quarters of said platform, a motor on said platform connected to drive said shaft.

2,573,165
DAMPING MEANS FOR RAILWAY TRUCKS
James C. Settles, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application February 16, 1948, Serial No. 8,701
9 Claims. (Cl. 105—197)



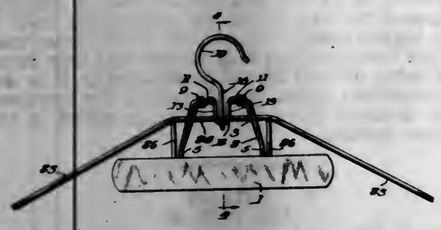
1. In a railway car truck, a side frame including a compression member having an intermediate portion of inverted channel-shape, said side frame having a centrally arranged bolster opening therein, a spring seat box-shaped in cross section forming a part of the side frame and having top and bottom walls, said bottom wall having an opening therein, ribs arranged longitudinally of the side frame within the spring seat joining the top and bottom walls defining the sides of the opening in the bottom wall, a bolster having a box-shaped end portion extending into the bolster opening, springs supporting the bolster on said spring seat, an elongated hydraulic shock absorber, a stem carried by the lower end of said shock absorber, means securing the stem to the spring seat including a nut accessible through the opening in the bottom wall of the spring seat, said bolster having an opening in the bottom wall thereof and an aligned opening in its top wall both of diameters large enough to receive an upper end portion of the shock absorber, a loop member carried by the upper end of the shock absorber, a bracket above and rigid with the top wall of the bolster and arranged at one side of the openings in the bolster, means extending through the bracket and the loop member connecting the upper end of the shock absorber to said bracket, ribs joining the top and bottom walls of the bolster extending longitudinally therein and arranged at opposite sides of the openings in the top and bottom walls, a centrally disposed rib joining the top and bottom walls of the bolster positioned inwardly of the inner ends of the first ribs, and said bracket and loop member being of such lateral dimensions as to be accommodated within the channel of the compression member when the bolster is raised in the bolster opening.

2,573,166
AIR CHUCK
Vigo V. Krogh Sundt, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application April 9, 1947, Serial No. 740,436
4 Claims. (Cl. 279—50)



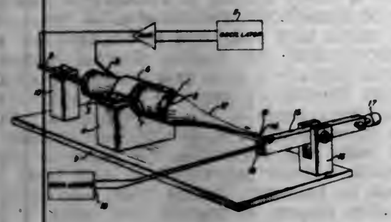
4. In a collet chuck, a cylindrical rotatably mounted chuck body, a series of collet fingers disposed inside said body and in engagement with a frusto-conical cam surface thereof to operate in unison radially to grip and release a workpiece centrally thereof in response to opposite longitudinal movements of the collet fingers relative to the chuck body, a slider disposed outside the chuck body and encircling the same to rotate therewith, a lever journaled in said body and disposed to transmit motion from said slider to said collet fingers to operate the latter, a fluid pressure cylinder carried by the chuck body and encircling said slider and disposed to provide direct fluid pressure operation of the slider, port connections through the wall of said cylinder for selectively admitting compressed air to either end of said cylinder to effect movement of said slider in a corresponding direction, means to hold said lever at predetermined collet operating positions to provide gripping of a workpiece by said collet fingers after release of the fluid pressure in said cylinder, and said port connections being adapted to receive selected connections with a source of air pressure for operating the chuck and which are disconnected therefrom during rotation of the chuck.

2,573,167
GARMENT HANGER
Lloyd W. Walker, Harvey, Ill., assignor to Lloyd W. Walker, William H. Walker, Kathleen D. Walker, and Rose E. Walker, copartners, doing business as Walker Metal Products Company, Harvey, Ill.
Application May 27, 1949, Serial No. 95,699
14 Claims. (Cl. 223—91)



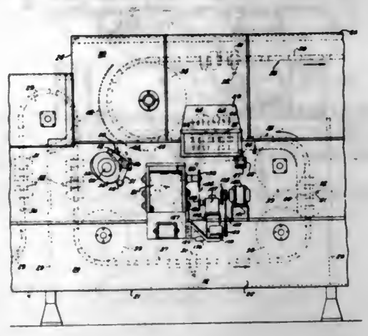
4. In a garment hanger, a pair of hinged members having oppositely disposed portions adapted to clamp a garment therebetween, a resilient member having a pair of oppositely extending portions, each extending outwardly beyond the adjacent ends of the clamping portions of the hinged members, said resilient member having portions thereof engaged with the respective hinged members and exerting a force thereon tending to separate said clamping portions, and means for drawing said clamping portions into clamping position in opposition to said separating force.

2,573,168
MECHANICAL IMPEDANCE TRANSFORMER
Warren P. Mason, West Orange, and Ronald F. Wick, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 23, 1950, Serial No. 163,682
3 Claims. (Cl. 171—330)



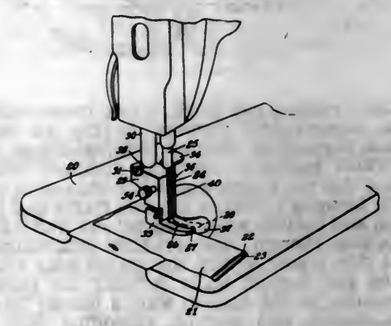
1. In a vibratory mechanism, a driver element linearly vibrating at constant rate, a driven element having a mechanical impedance differing from the mechanical impedance of said driver element, and a mechanical impedance transformer connecting said driver and driven elements, said transformer comprising a tapered metallic element resonant to said rate, the ratio of the areas of the cross-sections of the ends of said metallic element at the driver and driven elements being in inverse ratio to the impedances of said driver and driven elements.

2,573,169
BOTTLE LABEL REMOVER
Charles L. Gerlach and Robert W. Marty, Waukesha, Wis., assignors to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin
Application June 10, 1946, Serial No. 675,572
6 Claims. (Cl. 134—104)



2. In a bottle washing machine having a travelling conveyor provided with bottle pockets open at one end and constricted at the other end to hold bottles therein when said pockets are travelling with their open ends up, said machine having a label-removing zone through which said pockets travel with their open ends down, a bar for engaging the bottoms of bottles to loosely hold said bottles within said pockets as they move through said zone, said bar being eccentrically located of the center of bottles so held, whereby said bottles are rotated in said pockets as they are advanced thereby.

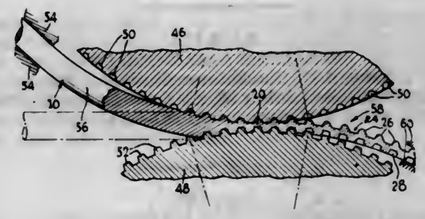
2,573,170
MATERIAL EDGESTITCHER GUIDE MECHANISM FOR USE WITH THE PRESSER FOOT OF SEWING MACHINES
Paul C. Wiegandt, Brooklyn, N. Y.; Katherine Wiegandt administratrix of said Paul C. Wiegandt, deceased
Application September 3, 1948, Serial No. 47,704
4 Claims. (Cl. 112—153)



1. In a sewing machine: the combination with the reciprocable bifurcated foot element of the reciprocable presser member thereof; of an associated guide member for material passing through the sewing machine, slidably mounted along a side of the body of the presser member for relative longitudinal movement and having an integral flat toe element extending between the tines

of the bifurcated foot element of the presser member for free relative movement vertically in both directions and adapted to project for seam sewing operation below the bottom thereof, and resilient means normally urging the guide member with said toe element in a direction to position the lower edge of the latter below said tines to hold it non-reciprocally and constantly to the sewing machine table top during such operation of said machine, together with means to limit the extent of said relative movement of the guide member.

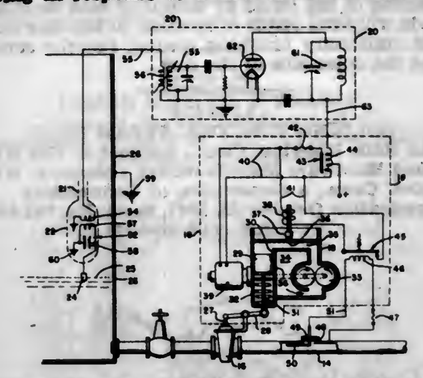
2,573,171
METHOD OF MANUFACTURE FOR SLIDE FASTENERS
Albert G. Wery, Teaneck, N. J., assignor to Rex Slide Fastener Corporation, New York, N. Y., a corporation of New York
Application July 18, 1947, Serial No. 761,770
1 Claim. (Cl. 80—30)



In a method of producing, in a metallic member of substantially uniform cross-section, a plurality of connected substantially identical successive reproductions of the pin and cup of an element of a slide fastener, the pins and cups being dimensioned for interlocking engagement, the steps of passing the metallic member between forming rolls one of which has raised projections for forming the cup and the other of which has recesses for forming the pin, and withdrawing the preformed member from between the rolls along a path substantially following the periphery of the roll having the projections so that the pins formed in the indentations in the one roll release from those indentations while the cups continue to remain engaged against the projections of the other roll for a portion of its contour beyond the forming position.

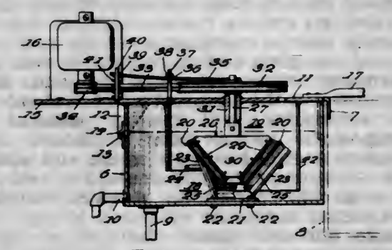
2,573,172
TANK BLEEDER
George H. Ennis and William Walter Ennis, Long Beach, Calif.; said William Walter Ennis, assignor to Robert V. Funk, Long Beach, Calif.
Application November 1, 1947, Serial No. 783,598
8 Claims. (Cl. 137—68)

1. In means for automatically bleeding water from a tank which receives oil and water, said tank having an opening, valve means for controlling the flow of water through said opening, and electrically controlled motor means for operating said valve means, the combination of: an oscillator circuit having an inductance field and a capacitance field, arranged so that at least one of said fields may be placed in a position with relation to the water of said tank wherein said last named field will be modified by said water; means responsive to electrical changes in said oscillator circuit as the result of modification of said field by said water for controlling the operation of said motor means; and electrical means acting in response to a flow of oil through said



opening to control said motor means so as to close said valve.

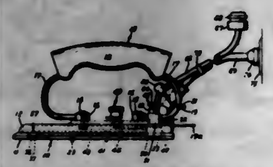
2,573,173
MACHINE FOR SUCCESSIVELY CLEANING BOTH SIDES OF CENTRIFUGAL SEPARATOR DISKS
Claude H. Abbott, Astoria, Oreg.
Application April 14, 1947, Serial No. 741,228
7 Claims. (Cl. 15—21)



1. In a machine for cleaning the conical disks of centrifugal separator bowls, the combination of a tank to hold a washing liquid, stationary brushing means upon which a conical separator disk to be cleaned may be supported in an inverted position with its inner side uppermost, said stationary brushing means being mounted non-rotatably in said tank beneath the normal level of liquid therein, a rotary brushing means to engage the inner side of a separator disk supported by said stationary brushing means, means mounting said rotary brushing means for upward displacement with respect to said stationary brushing means and for axially aligning said two brushing means for operation, said two brushing means having brushing surfaces uniformly inclined to their axis to simultaneously contact with the opposite inclined surfaces of a separator disk when said rotary brushing means is lowered, means for driving said rotary brushing means, and a liquid impelling blade associated with said rotary brushing means and rotatable therewith for whirling the liquid within and above a separator disk disposed between the two brushing means; whereby upon initial lowering of said rotary brushing means upon a separator disk supported by said stationary brushing means, the inertia of the disk and its friction against said stationary brushing means will temporarily hold the disk against rotation and said rotary

brushing means will therefore rotate upon and scrub the inner side of the disk, and whereby whirling of the liquid by means of said impelling blade will then result in rotation of the disk upon said stationary brushing means, thereby scrubbing the outer side of the disk.

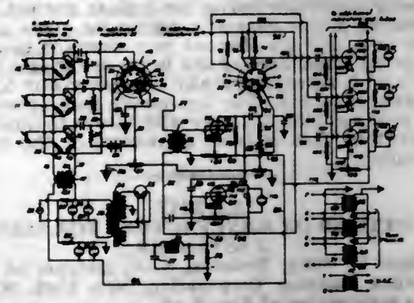
2,573,174
FOLDING ELECTRIC STEAM IRON
Alan Bate, Riverton, Conn., assignor to The Winsted Hardware Manufacturing Company, Winsted, Conn., a corporation of Connecticut
Application October 22, 1947, Serial No. 781,442
2 Claims. (Cl. 38—77)



1. In an electric iron, a sole plate, a steam chamber in said plate, ports from said chamber through said sole plate at the underside thereof, said sole plate having a channel extending back and forth in its upper surface, a length of tubing doubled back and forth upon itself to form a substantially flat grid and laid in said channel, said tubing being of a diameter to have good thermal contact with the walls of said channel, a valve, an electric heating element having an opening therein overlying about the mid-portion in said sole plate and an opening in said grid, a thermostat means mounted on and directly responsive to the temperature of said sole plate for controlling said heating element, said thermostatic means being positioned in the openings in said heating element and said grid, said valve connected with one end of said tubing for controlling the supply of water thereto and said tubing having its other end located to discharge into said steam chamber, a manually operable means for adjusting the valve for the passage of various amounts of water therethrough to said tubing, and an inlet connection to said valve for communication with a source of water under pressure exterior of said iron to supply water continuously to said grid under the control of said valve.

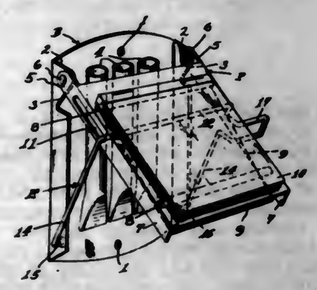
2,573,175
ELECTRONIC SIGNALING SYSTEM
Richard S. Bergen, Westbury, N. Y., and Bertram E. Sensander, Jersey City, N. J., assignors to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application September 4, 1948, Serial No. 47,884
6 Claims. (Cl. 177—311)

1. The central station of a signaling system comprising a pair of electronic tubes, one having a series of individual grids each adapted to be connected to a remote detector capable of initiating a signal in response to change in ambient conditions at the detector and a single plate common to all of said grids, and the other tube having a common grid and a series of individual plates each adapted to be connected to an indicator, each tube having means for producing and constantly rotating an electron beam synchonously with the beam of the other tube, intermediate electrical means for associating said tubes to transmit a signal resulting from change in ambient conditions at one of said detectors from the first tube to the second tube whereby the latter operates the indicator corresponding to the detector initiating the signal, and a master indicator circuit including an electronic tube



and an indicating lamp connected with the output of the first tube aforesad whereby the lamp illuminates on the response of one or more of the detectors to changes in ambient conditions.

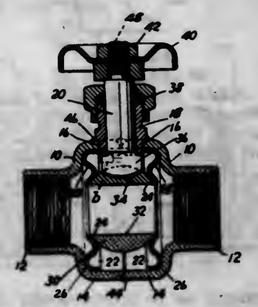
2,573,176
WRITING PAD HOLDER
Selwyn E. Blackstone, Madison, Wis.
Application October 20, 1948, Serial No. 55,570
2 Claims. (Cl. 281—15)



2. In a device of the class, a supporting plate adapted to be vertically disposed for use, a writing pad supporting plate, flanges inturned from the side edges of said pad supporting plate and having slots formed lengthwise thereof, said flanges being extended beyond the top end edge of said pad supporting plate, means pivotally connecting the extensions of said flanges with the side portions of the first named plate adjacent to the top thereof, a substantially U-shaped lever, a pivot connection between the free ends of the side portions of said U-shaped lever and the first named plate at the sides and adjacent to the bottom thereof, the end portion connecting the other ends of said side portions passing through said slots, and a finger piece outwardly offset from one of said side portions to facilitate the manipulation of said lever to raise and lower said pad supporting plate from and to its normally depending position relatively to the first plate.

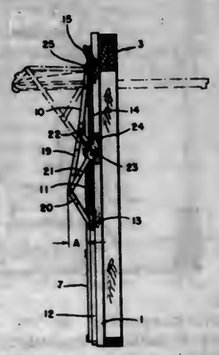
2,573,177
METHOD OF MAKING VALVES
Charles I. Bohlen, Doylestown, Pa., assignor to Hose Accessories Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1945, Serial No. 595,366
1 Claim. (Cl. 29—157.1)

The method of forming a valve structure, having a ball valve with a through port suspended between seats on oppositely disposed resilient sheet material diaphragms under a predetermined pressure, comprising the steps of assembling preformed diaphragms in shells, placing a valve between the diaphragms in opposing shells in relation to the seats, moving the shells



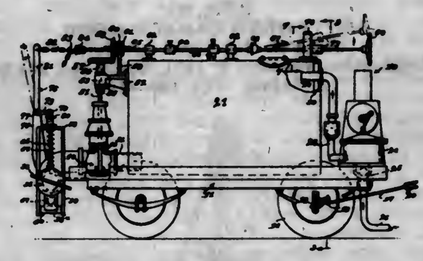
towards each other and placing the diaphragms under a predetermined pressure, and then welding the shells to each other to form the body of the valve while maintaining that spacing between the opposing shells which will retain the predetermined pressure between the valve member and the diaphragms.

2,573,178
HINGE MECHANISM FOR OVERHEAD DOORS
Waldo G. Bowsher, Detroit, Mich.
Application March 9, 1950, Serial No. 148,603
1 Claim. (Cl. 160—210)



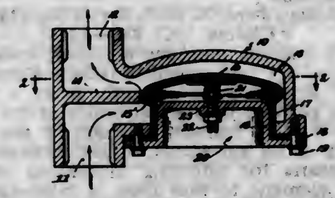
A hinge structure for a door having an upper and a lower section in a door frame comprising, a hinge member including an upper plate and a lower plate having their adjacent ends pivotally connected together and the upper plate pivotally connected to the door frame adjacent an upper corner thereof, said upper and lower plates being secured to the edges of an upper door panel and a lower door panel respectively with said upper plate having an off-set portion out of the plane of the upper door panel, the pivotal connection between said plates being at the junction of the upper and lower door panels, a third plate having one end pivotally connected to said upper plate at its off-set portion and its opposite end projecting downwardly beyond the pivotal connection between said upper and lower plates, and a pair of links, one end of each link pivotally connected to the outer free end of said third plate, one of said links having its opposite end pivotally connected to the door frame and the opposite end of the other link pivotally connected to said lower plate.

2,573,179
LIQUID MANURE SPREADER
James H. Brodie, Henderson, N. C.
Application January 19, 1951, Serial No. 206,830
9 Claims. (Cl. 299—29)



1. A liquid manure spreader for unprocessed liquid manure comprising a large tank, a mobile support for said tank, an inlet conduit for supplying liquid manure to the tank having a discharge end opening into the upper portion of the tank, an outlet conduit extending from said tank adjacent its bottom, a valve housing into which said outlet conduit discharges, said valve housing being disposed transversely of the longitudinal axis of said mobile support, said valve housing and outlet conduit being relatively large in cross section internally, said valve housing being disposed below said outlet conduit and having a single relatively wide slot in its bottom portion extending to adjacent the ends thereof, an elongated valve disposed below the valve housing sized and shaped to fit into and completely close said slot when in an elevated position, a frame reciprocally mounted on the valve housing for vertical reciprocating movement having a lower portion secured to and supporting valve, means for displacing the frame upwardly to position the valve in a closed position in the slot, and manually actuated means adapted to be operated from an end of the machine disposed remote to the valve housing for displacing the frame downwardly to move the valve to an open position beneath and out of engagement with said slot.

2,573,180
GAS PRESSURE REGULATOR
Dexter M. Brooks, Plymouth, Mass.
Application March 10, 1950, Serial No. 148,902
3 Claims. (Cl. 50—23)



1. A gas pressure regulator comprising a casing having inlet and outlet conduits, a circular concavo-convex flexible diaphragm having a tubular depending stem, a closure cap detachably secured to the casing and having an upstanding cylindrical portion upon which is fitted the stem of the

diaphragm thus supporting the diaphragm in the casing between said inlet and outlet conduits with the convex face of the diaphragm exposed to gas pressure of the outlet conduit, and means providing a circular valve seat radially outside of and adjacent to the peripheral margin of the diaphragm, collapsing of the diaphragm toward the inlet conduit being effective to expand the diaphragm into contact with said seat.

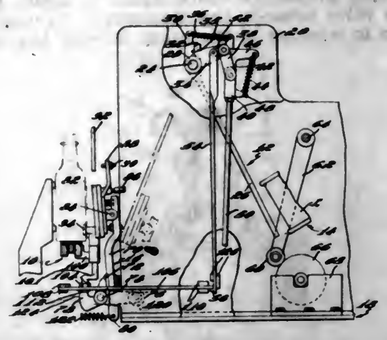
2,573,181
OVERHEAD GARAGE DOOR
John H. Burr, Denver, Colo.
Application January 8, 1951, Serial No. 204,925
4 Claims. (Cl. 160—191)



1. An overhead garage door construction comprising: side door casings; a horizontal head casing supported by said side door casings; an upper door portion; inside hinges suspending said upper door portion from said head casing; a lower door portion; outside hinges suspending said lower door section from said upper door portion; a hinge fixture secured to the inside of each side door casing; a swinging link suspended from each fixture; a tension spring attached at its one extremity to each fixture above the link thereon and secured at its other extremity to the swinging extremity of the adjacent link; an L-shaped bracket member hinged at one extremity to the swinging extremity of each of said links and extending toward said lower door portion, thence downwardly therealong; and pivot means securing the lower extremity of each L-shaped bracket member to said lower door portion.

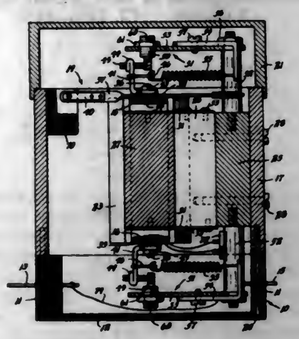
2,573,182
PICKER CONTROL FOR LABEL-APPLYING MACHINES
Sidney T. Carter, Worcester, Mass., assignor, by mesne assignments, to Geo. J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin
Application June 28, 1950, Serial No. 170,763
9 Claims. (Cl. 216—54)

1. In a labeling machine a picker, means for oscillating the picker continuously through a path of predetermined length from a label-receiving position at one extremity of its movement to a label transfer position at the other extremity of its movement, a label transfer element, means for effecting movement of said transfer element to and from a label-applying position through said label transfer position in timed relation to the oscillation of said picker to take the label from the picker at said transfer position and carry it forward to the label-applying position, a detector responsive to the presence or absence of an article at a place for movement to label-applying position, and means controlled by the detector in the absence of an article at said detecting position to intercept the



transfer element as it moves away from label-applying position and hold it at a place intermediate the label-applying position and said transfer position.

2,573,183
POLARIZED ELECTROMAGNET WITH MOVING COIL ARMATURE
Alex B. Chudyk, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 3, 1948, Serial No. 30,845
3 Claims. (Cl. 175—340)



1. An electromagnetic device comprising, a magnetic core structure including a cylindrical outer core portion having inwardly projecting pole shoes with arcuate shaped pole tips and a centrally located permanent magnet interpole portion positioned within said outer core portion and between said pole tips to define a pair of arcuate air gaps therebetween, an armature encircling said interpole portion including mounting arms having bearing surfaces therein, one of said bearing surfaces being a conically shaped groove and the other a wedged shaped groove, pivot means including conically shaped pivot pins attached to said core structure, said pins being adapted to engage said bearing surfaces and pivotally mount said armature for limited rotational movement within said air gap, means for adjustably positioning said pivot pins to accurately position said armature in said air gap uniformly between said interpole portion and said pole tips, spring means attached at one extremity to said core structure and at the other extremity to said mounting arms of said armature, said attachment of said mounting arms and said spring means being located between the point of contact of said pivot pins and said bearing surfaces and the attachment point of said spring means and core structure, and means included in said core structure for varying the relative position of said attachment of said spring means to said core structure.

2,573,184
DUMP WAGON
Gerald I. Clark, Santa Clara, Calif., assignor to Wooldridge Manufacturing Company, Sunnyvale, Calif., a corporation of Nevada
Application June 16, 1947, Serial No. 754,914
2 Claims. (Cl. 298—27)

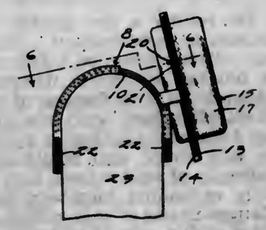


1. In a dump wagon, a wheeled frame forming a load supporting platform and provided with parallel longitudinal side beams, an open bottomed hopper disposed normally above the platform, side beams attached to said hopper and extending parallel to and above said first named beams, roller assemblies attached to the forward end portions of said last named beams, and having tracking engagement with the said first named beams, roller assemblies attached to the rear end portion of the frame and having tracking engagement with the beams which are attached to the hopper, and power means for moving the hopper from load carrying to discharge positions comprising two sheave assemblies attached to the forward end portions of the beams which are attached to the hopper, two additional sheave assemblies attached to the rear end portion of the frame adjacent the sides of the hopper, and a single pull cable extending from the front of the wagon and reeved serially through said sheave assemblies to apply substantially equal forces to the sides of the hopper to force the same rearwardly when the cable is pulled.

2,573,185
SEPARATION OF OXYGEN-CONTAINING COMPOUNDS
John S. Cromeans, Dewey, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 20, 1948, Serial No. 66,353
11 Claims. (Cl. 260—488)

1. A process for the resolution of an aqueous phase product of catalytic hydrogenation of carbon monoxide to produce hydrocarbons and oxygenated derivatives of hydrocarbons, said aqueous phase containing acetaldehyde, acetone, methanol, ethanol, propanol, butanol, pentanol, acetic acid, propionic acid, and butyric acid, said process comprising distilling said aqueous phase and separating a mixture of acetaldehyde, acetone, methanol, and ethanol from the distilling mixture as overhead distillation product, recovering acetaldehyde, acetone, methanol, and ethanol from said overhead distillation product, separating a mixture of water, propanol, butanol, pentanol, acetic acid, propionic acid and butyric acid as residual product of said distilling and contacting the last said mixture with a solvent immiscible with water and having selective solvent power for propanol, butanol, pentanol, acetic acid, propionic acid, and butyric acid, separating a solvent-rich extract from the resulting solvent contacting mixture, separating solvent from said solvent-rich extract, whereby a solvent-free extract comprising propanol, butanol, pentanol, acetic acid, propionic acid, and butyric acid is formed, admixing an aqueous mineral acid with said solvent-free extract and heating the resulting acid-extract mixture at a temperature within the limits of 20 to 50° C., whereby esterification of alcohols and organic acids in said solvent-free extract takes place to form propyl acetate, butyl propionate and amyl propionate, butyl butyrate, and amyl butyrate, distilling the ester-containing acid-extract mixture and separating a mixture of acetic acid and propyl acetate from the distilling mixture as overhead distillation product, recovering acetic acid and propyl acetate from the last said overhead product, admixing butyric acid in an amount described hereafter, with the total residual product of the last said distilling and heating the resulting butyric acid-residual product admixture at a temperature within the limits of 120 to 200° C., whereby butyric acid reacts with butyl propionate and amyl propionate to form propionic acid, butyl butyrate and amyl butyrate, said amount of butyric acid being sufficient to supplement butyric acid initially present in said aqueous mixture to convert said butyl propionate and said amyl propionate to butyl butyrate and amyl butyrate as above described, distilling the resulting butyric acid-residual product admixture and recovering propionic acid, butyl butyrate and amyl butyrate as separate products of the last said distilling mixture.

2,573,186
ADJUSTABLE HEADREST ATTACHMENT FOR BACK RESTS
Fred De Mier, Sr., Miami, Okla.
Application March 19, 1948, Serial No. 15,825
3 Claims. (Cl. 155—174)

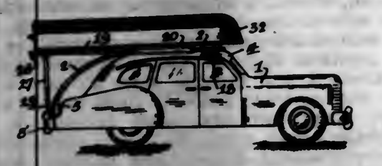


1. A demountable headrest attachment for back rests comprising a supporting structure adapted to engage over the upper edge of a back rest and having arms projecting forwardly therefrom with respect to the back rest, slotted bars rigidly secured to said arms and disposed forwardly of the back rest, and a headrest having a rear surface spaced portions of which bear against said bars, fastening means connected to the headrest and slidably engaging the slots of said bars, said fastening means being tightened to clamp the headrest to the slotted bars for adjustably supporting the headrest relatively to the supporting structure and in front of and adjustable with respect to the back rest.

2,573,187
CANOE CARRIER FOR MOTOR VEHICLES
Jean Paul Désilets, Grand' Mere, Quebec, Canada
Application November 21, 1949, Serial No. 128,573
2 Claims. (Cl. 224—42.03)

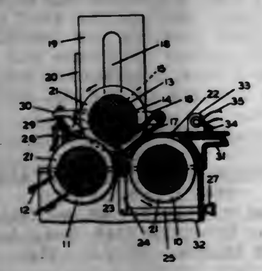
1. A carrier for a canoe comprising a pair of parallel legs adapted to be mounted on the top

of a motor vehicle, said legs being bent downwardly and rearwardly, means for pivotally attaching the lower ends of said legs to the rear bumper of the vehicle, a pair of rails alined horizontally with said legs, a frame pivotally



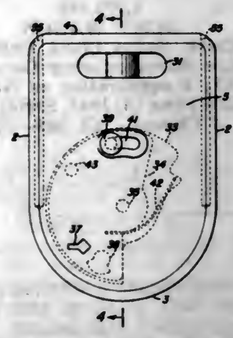
suspended from said rails and pivotally attached to the lower ends of said legs, suction cups carried by said legs, said rails having inverted U-shaped portions overlapping said legs, and latches for securing said portions to said legs.

2,573,188
RUG ROLLING DEVICE
Charles P. Dyken, Saukville, Wis.
Application October 3, 1947, Serial No. 777,754
1 Claim. (Cl. 242—66)
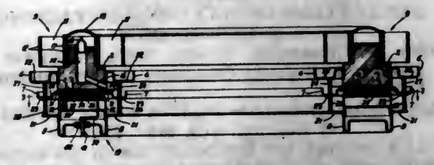


A device for rolling a flat pliable product on itself comprising in combination a frame, a pair of horizontal rollers journalled within said frame, said rollers having peripheral flanges extended outwardly therefrom, the flanges of said rollers being in direct alignment with one another and spaced apart from one another, a guide pivotally mounted in said frame and positioned between and longitudinally of said rollers, said guide having outwardly extending members disposed between the flanges in one of said rollers, said frame being provided with a pair of upwardly extending bearing supports, each bearing support having a vertical slot, a bearing slidably mounted in each slot, an auxiliary roller having a shaft rotatably journalled in said bearings, said auxiliary roller having outwardly extended peripheral flanges arranged in staggered relation to the flanges of said pair of horizontal rollers and arranged for engagement therebetween, a lever pivotally mounted upon the shaft of the auxiliary roller, a longitudinally extended starting cam mounted on said lever, said starting cam consisting of an outwardly extending member positioned between the flanges and in contacting engagement with said auxiliary roller, the outwardly extending member of said starting cam having the lower end thereof presenting an edge in closely spaced proximity to said guide and between said pair of horizontal rollers for initially engaging the leading edge of the product to be rolled, means for actuating the rollers, and means on said bearing supports for pivotally moving said lever and the starting cam upon a predetermined upward movement of the auxiliary roller.

2,573,189
GUARD FOR RESETTING MECHANISMS OF COMBINATION LOCKS
Otto H. Eiffert and Howard S. Thomas, Jr., Rochester, N. Y., assignors to Sargent & Greenleaf, Inc., Rochester, N. Y., a corporation of New York
Application October 3, 1950, Serial No. 188,191
8 Claims. (Cl. 70—23)



1. In a combination lock, the combination with a housing including a wall having a combination resetting key opening therein, rotatable tumblers, a bolt plate movable under said wall, and tumbler resetting mechanism, of a guard member normally blocking said key opening in the wall and movable to expose said opening, spring means yieldably holding the guard member in blocking position, and stop means controlled by the bolt plate acting to prevent movement of the guard member except when the bolt plate is in unlocked position.

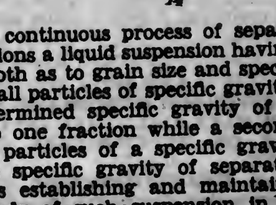
2,573,190
ULTRA HIGH-FREQUENCY ELECTRON TUBE
William W. Eitel, Woodside, Jack A. McCullough, Millbrae, and Harold E. Sorg, Redwood City, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application April 8, 1949, Serial No. 86,232
6 Claims. (Cl. 313—244)



1. An electron tube comprising an annular envelope having concentric inner and outer side walls of insulating material, a ring-shaped external anode supported adjacent the upper ends of said walls, a ring-shaped cathode supported adjacent the lower ends of said walls, and a flat ring-shaped grid between the anode and cathode and suported at the intermediate portions of said walls.

2,573,191
BOOKREST
Willard George Finch, Toronto, Ontario, Canada
Application October 25, 1949, Serial No. 123,440
3 Claims. (Cl. 281—33)

1. A book rest having a substantially rigid supporting member adapted to engage the covers of a book, a support hingedly secured to the supporting member and foldable out of alignment therewith to support the supporting member in an inclined position on a plane surface, a cord secured at one end to the support and at the other end to a tab of substantially rigid material, said tab being adapted to engage a book between the pages thereof to retain the book rest in folded position and hold apart the pages of the book when the book rest is in book supporting position,



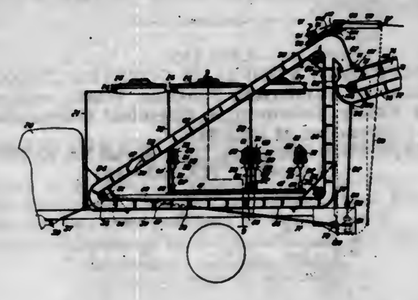
said tab having a line of weakness extending transversely thereof and on one side of the junction of the cord and tab, the portion of the tab engaged by the cord being adapted to be positioned over the hinged portion of the open book and to extend past each side of the hinge portion over the pages of the book to hold apart the pages of the book and the remaining portion thereof being adapted to extend beneath the supporting member.

2,573,192
CYCLONE
Freerk Jan Fontein, Heerlen, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands
Application December 9, 1946, Serial No. 715,029
6 Claims. (Cl. 209—173)



1. The continuous process of separating into two fractions a liquid suspension having particles diverse both as to grain size and specific gravity whereby all particles of specific gravity less than a predetermined specific gravity of separation pass into one fraction while a second fraction contains particles of a specific gravity greater than the specific gravity of separation, which comprises establishing and maintaining a rotating body of such suspension in a confined generally conical space having axial discharge outlets at its ends from whence one fraction is continuously discharged from one such end while another fraction is continuously discharged from the other, continuously supplying such suspension tangentially to the rotating body in the region of the base of the conical space, and selectively controlling the specific gravity of separation by augmenting the suspension in the body with a solid material divided significantly finer than the smallest particles to be fractionated but having itself a specific gravity above the specific gravity of separation and in quantity sufficient to establish and maintain a barrier made up of mobilized solids disposed in the cyclone at its apex that is permeable by the particles of specific gravity greater than the specific gravity of separation but impermeable to the particles of specific gravity smaller than the specific gravity of separation, and maintaining the major portion of the length of the outer envelope of the rotating body within an included angle of the order of 20° and progressively increasing the included angle of the envelope from such included angle to the apex of the space to thereby minimize the quantity of augmenting material required.

2,573,193
BULK TANK TRUCK WITH CONVEYER UNLOADER
Francis Mern Goldsberry, Ontario, Calif.
Application February 11, 1948, Serial No. 7,675
20 Claims. (Cl. 214—83.16)

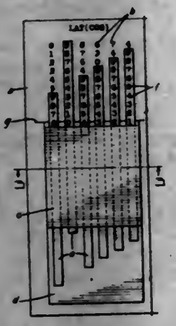


1. In a bulk tank truck, a tank having a longitudinal runway at its bottom, conveying means in said runway, a pair of gates extending lengthwise of the tank over said conveying means, means for supporting said gates in edge contact and in angularly related position over said conveying means, means for opening said gates, partitions between the compartments and means on said partitions for shielding the gate lifting means from the contents of the tank.

2,573,194
RAPID CALCULATOR FOR TRAVERSE TABLES
Leo Jean Goldsmith, Denver, Colo.
Application June 2, 1950, Serial No. 165,746
1 Claim. (Cl. 235—69)

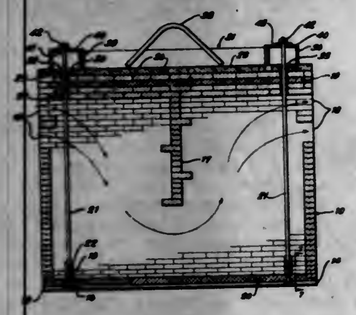
A traverse table comprising: a sheet upon which is imprinted the products of the function of an angle multiplied by the numbers from 1 to 9 arranged one below the other in increasing sequence to form spaced-apart vertical columns of single digits arranged in horizontal rows, each horizontal row of digits in descending order increasing in value over the next above row by the function of the given angle; a relatively flat block positioned upon said sheet; a plurality of vertically slidable number strips passing through and projecting above said flat block in parallel relation, said strips corresponding in number and

position to the number and spacing of the vertical columns in said table, there being numbers 0 to 9, inclusive, carried by the upper faces of said strips in vertical arrangement adjacent the upper extremities thereof, the number on each strip being spaced to correspond to the spacing



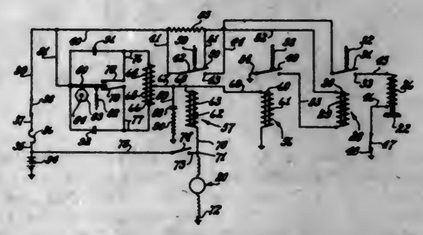
of the numbers in each column of said table, and decreasing in value downwardly from the upper extremities of the strips; and a relatively thin backing sheet secured over the back of said block and separating the latter from said sheet and extending below said block to form a lower apron thereon.

2,573,195
PREFABRICATED FLUE CONSTRUCTION
Russell G. Gunderson, Spokane, Wash., assignor to Kaiser Aluminum & Chemical Corporation, a corporation of Delaware
Application March 16, 1949, Serial No. 81,763
10 Claims. (Cl. 263—46)



1. A prefabricated flue assembly of the type described, which is adapted to be transported to and inserted as a unit in a carbon anode baking furnace and the like, comprising a base plate, a plurality of spaced refractory side walls mounted upon and extending upwardly from said base plate, a plurality of coupling members affixed to and projecting upwardly from said base plate, cross-tie refractory members interposed between and attachable to said refractory side walls at predetermined points thereon so as to provide a top, apertured end walls and interior baffle means for said flue assembly, said top being further provided with vertical openings in substantial registry with said coupling members on said base plate and removable means attachable to a hoisting apparatus for transporting said flue assembly as a unit from one location to another, said means including a strongback member positioned on the top of said flue assembly having tie rods dependingly attached thereto, said tie rods being adapted to be inserted in the openings in the top of said flue assembly and to be removably fastened to the coupling members on said base plate, when said strongback member is placed upon the top of said flue assembly.

2,573,196
BRAKE-HOLDER CONTROL MECHANISM
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application April 21, 1950, Serial No. 157,239
13 Claims. (Cl. 192—3)

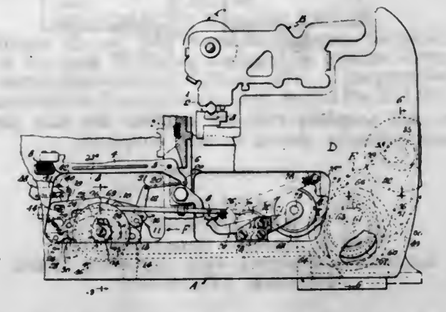


1. In an automotive vehicle, having an engine-driven propeller shaft, braking apparatus, electrically-actuated means for holding the brakes in applied condition after they have been applied, a starting motor switch, and a storage battery; a first energizing circuit from said battery for said means; a normally-closed hand switch, a normally-open time switch, and a normally-closed release switch included in series in said circuit; electrical means operable when energized for a predetermined time to close the time switch, a second energizing circuit from said battery for said last-named means, a normally open starting switch and a normally-closed stopping switch included in series with said hand switch in said second circuit, means driven from said shaft for closing the starting switch at shaft speeds less than a first predetermined value and for opening the stopping switch at shaft speeds less than a second and lower predetermined value, whereby the closure of said time switch is contingent on a decrease in shaft speed from the first to the second predetermined value being effected in an interval equal to or greater than said predetermined time, the opening of said hand switch opening both said energizing circuits causing opening of the time switch and the starting switch and closing of the stopping switch, said hand switch if subsequently closed while said shaft is stopped simultaneously causing the starting switch to close and the stopping switch to open, thereby preventing closing of the second energizing circuit and actuation of the time switch, and means actuated by closure of said starting motor switch to close the stopping switch and maintain it closed while the starting switch is closed.

2,573,197
POWER-DRIVEN MECHANISM FOR OPERATING TYPE BARS AND OTHER INSTRUMENTALITIES OF TYPEWRITERS OR LIKE MACHINES
Henry J. Hart, West Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application July 1, 1949, Serial No. 102,634
10 Claims. (Cl. 197—17)

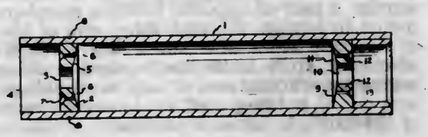
1. In a power operating mechanism for a typewriter or like machine, a rotatable toothed snatch

roll; a typing member to be operated by said snatch roll; means for transmitting drive from said snatch roll to said typing member including an interponent having a contact part normally disengaged from said snatch roll but being engageable therewith by entrance into a tooth interspace thereof; operator controlled means for effecting such engagement of said interponent part



with said snatch roll; an adjustable stop separate from said operator controlled means and said snatch roll; and another part on said interponent engageable with said stop for variably limiting the extent of entrance of said interponent contact part into a snatch roll tooth interspace, adjustment of said stop thereby variably determining the extent of driving of said interponent and said typing member by said snatch roll.

2,573,198
STRAIGHTENING TOOL FOR VACUUM TUBE TERMINAL PLUGS
Saul J. Hoffman, Haverhill, and Frank W. Burwen, Marblehead, Mass.
Application December 18, 1950, Serial No. 201,366
3 Claims. (Cl. 81—15)



1. A tool for straightening out the terminal pins on the terminal end of an electronic tube comprising a sleeve having a diameter to fit the terminal end of the electronic tube for which it is to be used, a plate set in said sleeve normal to the axis thereof at a depth greater than the thickness of the terminal end of said electronic tube and having a circle of holes therethrough spaced in a desired pattern and of a desired size to provide a close sliding fit corresponding to the diameter of the pins projecting from the terminal of the electronic tube, said holes being chamfered on the face of the plate directed to the open end of the sleeve and means for supporting said tool spaced from said plates in a direction opposite to the first mentioned end of the tube.

2,573,199
INERTIA SWITCH
James P. Holman, Pomona, Calif.
Application June 17, 1949, Serial No. 99,825
7 Claims. (Cl. 200—52)

4. An impact actuated switch of the character described comprising: a housing, three mutually perpendicularly extending impact actuated switch elements mounted for movement in three mutually perpendicular directions in and with respect to said housing, means resisting movement of said switch element away from a central position within said housing out of switch engaging position, switch contact elements near the ends of movement of each of said impact actuated switch elements for engagement thereby, and latching means automatically operative to latch said impact actuated switch element in cir-



cuit closing position with one of said contacts after said impact actuated switch element is moved under the influence of impact forces thereon to thereby latch the switch in circuit closing position, whereby at least one of said switch elements is moved into circuit closing position upon application of impact forces greater than a predetermined magnitude regardless of the direction of said impact forces with respect to said housing.

2,573,200
GLASS FOR EMBEDDING ZINC SULFIDE PHOSPHORS
Walter J. Hushley, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 29, 1949, Serial No. 101,963
7 Claims. (Cl. 106—54)



2. A glass composed essentially of from 60 to 85% by weight of B_2O_3, from 10 to 20% by weight of SiO_2, from 3 to 10% of ZnO, and at least one alkali metal compound selected from the group consisting of the alkali metal oxides and halides and in sufficient quantity to make said glass transparent.

2,573,201
TYPE CLEANING BRUSH
James F. Kelley and Donald E. Shattuck, San Diego, Calif.
Application November 13, 1945, Serial No. 628,036
4 Claims. (Cl. 15—132.5)

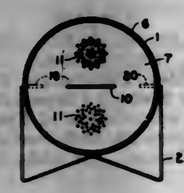
1. In a type cleaning brush of the class described the combination of a brush composed of an axle and with bristles radiating therefrom, a hollow handle connected to said brush having a tubular portion with one end in close proximity to said bristles, retainer material in said handle and said tubular portion arranged to retain fluid therein, said brush rotatively mounted on said axle in spaced relation with said handle and

having angularly disposed axle portions disposed in opposite directions near the ends thereof, ar-



ranged to cause said brush to wobble during rotation.

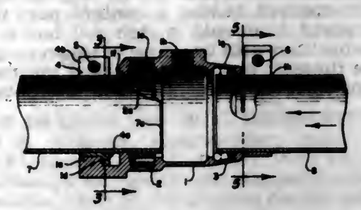
2,573,202
BAIT BOX
Eldridge E. Kent, Battle Creek, Mich.
Application April 24, 1947, Serial No. 743,617
5 Claims. (Cl. 43—55)



1. A fisherman's portable bait box, which comprises a small substantially cylindrical housing which has an opening at least in one end and an inlet opening in the cylindrical wall thereof, a substantially cylindrical inner container closely but rotatably fitting inside of said housing, said inner container having diametrically opposite openings in its cylindrical wall, said openings being a little smaller than said opening in the cylindrical wall of said housing and adapted to underlie the same, openable cover means for each of said openings in the inner container, an operating handle means fastened to said inner container and extending through said end opening of said housing, and means carried by the cylindrical wall of the housing adjacent opposite ends engageable with opposite ends of said container for holding said inner container in said housing.

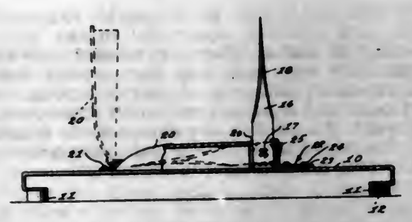
2,573,203
PIPE COUPLING
Wilbur C. Kinney, Vista, Calif.
Application September 23, 1947, Serial No. 775,653
13 Claims. (Cl. 285—142)

1. In a pipe coupling of the class described the combination of a hollow cylindrical coupling member having a base portion on one end adapted to bear on the ground, a tube adapted to be inserted into the open end of said coupling, a coupling ring on said tube having a lug thereon, and said base of said coupling having a recessed lug therein adapted to be engaged by the lug



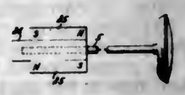
on said coupling ring for holding the said pipe longitudinally placed in said coupling.

2,573,204
RAG LOOPER
Enid M. Kuebler, Bensenville, Ill.
Application March 1, 1949, Serial No. 79,035
6 Claims. (Cl. 28—16)



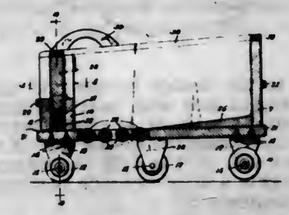
4. A device for tying strips of fabric together, comprising a base, a knife having a long tapered pointed end, means pivotally coupling the other end of the knife to the base to swing on a horizontal axis from a lowered position in which it is substantially parallel with the base to a vertical position in which its pointed end is directed upwardly, a pair of opposed holding members positioned to engage the said other end of the knife at opposite sides and above the pivot therefor when the knife is in the vertical position, and means for shifting one of said two holding members out of holding position to permit movement of the knife to lowered position.

2,573,205
SURFACE TEMPERATURE THERMOMETER
Anthony H. Lamb, Hillside, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application May 8, 1947, Serial No. 746,675
1 Claim. (Cl. 73—343)



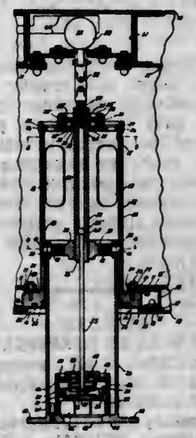
A surface temperature thermometer comprising a rectangular bar of non-magnetic metal of high heat conductivity having a surface thereof shaped for contact engagement with the surface of an object of ferrous metal whose temperature is to be measured, said body having an axial bore therein, a bimetallic thermometer element having a stem seated in said bore, and a pair of bar-shaped permanent magnets secured to and along opposite sides of said rectangular bar of non-magnetic metal and parallel to said bore for holding said shaped surface of the bar of non-magnetic metal in engagement with an object of ferrous metal; said magnets being reversely arranged as to polarity and the adjacent exposed surfaces of said magnets and said bar of non-magnetic material being alined to form smooth unbroken surfaces for contact with an object whose surface temperature is to be measured.

2,573,206
WAREHOUSE BOBBIN TRUCK
William F. Lee and Dewey Stephens, Glendale, S. C.; said Stephens assignor to Sunray Company, Spartanburg County, S. C., a corporation
Application September 8, 1949, Serial No. 114,696
11 Claims. (Cl. 214—84)



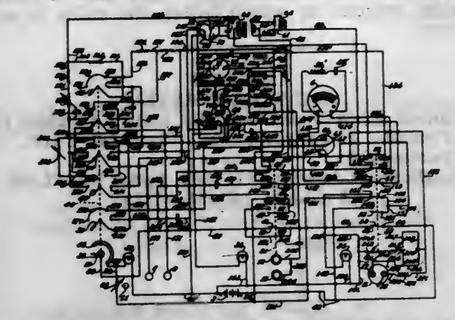
1. A warehouse car or the like comprising a wheeled body consisting of side, bottom and end walls defining an open-topped material-receiving compartment, said bottom wall having a cutout extending from adjacent the front wall to substantially midway of the car and extending throughout substantially the full width of the compartment, laterally spaced rollers extending across said bottom wall cutout and journaled in the opposite sides of the same, said rollers forming a substantial continuation of said bottom wall at the bottom of said compartment, said bottom wall inclined upwardly away from the rollers and in the direction of the other end of said compartment whereby to cause the contents of the same to gravitate toward and onto said rollers.

2,573,207
LIQUID DISCHARGE MECHANISM
Maurice S. Lipman, Hempstead, N. Y., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application June 6, 1946, Serial No. 674,682
19 Claims. (Cl. 244—135)



2. The combination with a stationary casing, of an extension tube, having its outer end open, mounted for reciprocating movement inwardly and outwardly of said casing, a valve normally closing the open outer end of said tube, mechanical means for moving said tube as aforesaid, and means associated with and operable by said mechanical means for automatically opening said valve as the tube approaches the limit of its movement outwardly of the casing.

2,573,208
MOTOR ANALYZER
William W. Logan, East Orange, N. J., assignor, by mesne assignments, to Atlas Supply Company, Newark, N. J., a corporation of Delaware
Application May 2, 1946, Serial No. 666,786
5 Claims. (Cl. 175—183)

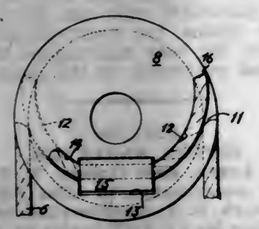


1. In an electrical testing apparatus, a plurality of test circuits, a multi-scale meter common to the plurality of test circuits and operable when selectively switched into any one of such circuits to give its test reading, said meter having a plurality of light passing scale bands, one corresponding to each test circuit, a plurality of light shading receptacles behind, bordering on, and defining each scale band, a plurality of lamps, at least one corresponding to each test circuit, in the light shading receptacles, a source of electrical energy adapted for use severally with said test circuits and with said lamps, a plurality of lamp lighting circuits, a plurality of ganged selective multiple switches, in circuit with the meter and the test circuits to connect one or the other test circuit with the meter, each of said multiple switches including test circuit switches and lamp lighting switches and cut out switches, corresponding lamp and test circuit and cut out switches being adjacently disposed, a plurality of sets of receptacles for receiving external leads, one set for each test circuit, actuating means within each set of receptacles to simultaneously operate the corresponding adjacently disposed switches of one multiple switch including means, the test circuit of such multiple switch operable to energize its test circuit and the meter to register the test result, the lamp lighting switch operable to light its lamp and illuminate the corresponding meter scale band, and the cut out switch operable to disconnect other circuits, all for the purpose described.

2,573,209
PULLEY
Robert B. Macpherson, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 9, 1947, Serial No. 767,725
10 Claims. (Cl. 74—230.01)

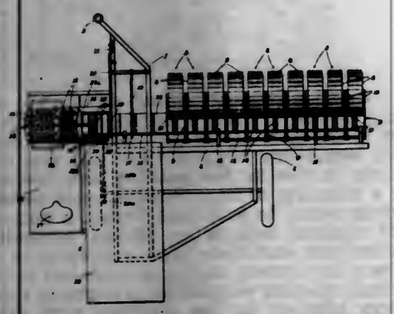
1. A windshield cleaner mechanism having a wiper actuating shaft with a pulley fixed thereon, and a power transmitting cable taking about

the pulley with the latter having a pair of peripheral grooves receiving the cable and opening



through their remote side walls into arcuate facial grooves in which latter the cable is secured.

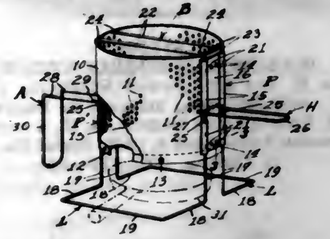
2,573,210
FRUIT HARVESTER
Thomas F. Madsen, Planada, Calif., assignor to Planada Dehydrater Co., Planada, Calif., a partnership
Application January 21, 1949, Serial No. 71,909
1 Claim. (Cl. 56—328)



A fruit harvester comprising a frame supported for movement along the ground, a plurality of separate rotary fruit pick-up units disposed in a row transversely of the harvester, a transverse shaft mounted on the frame in spaced relation to the pick-up units lengthwise of the harvester, supporting means for each unit comprising a longitudinally extending fork turnably swung on the shaft and having arms straddling said unit, another transverse shaft mounted above the first named shaft, arms rigid with and projecting from the last named shaft in overhanging relation to the different forks, individual tension springs between said rigid arms and the forks and floatably supporting the latter; and means operatively associated with said last named shaft to adjustably rotate the last named shaft and hold the same in any position of adjustment.

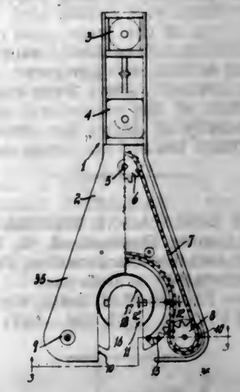
2,573,211
CHARCOAL STOVE
Clarence H. Manzler, Rochester, N. Y.
Application June 25, 1948, Serial No. 35,211
4 Claims. (Cl. 126—25)

1. A charcoal burner comprising a flat base consisting of horizontally disposed frames each having two spaced uprights rising therefrom, the uprights of one frame being in relatively close parallel relation with those of the other frame forming two pairs of uprights, a firebox supported between said two pairs of uprights above said base, said firebox having an open top, a solid bottom and a perforated side wall, means on opposite sides of said firebox securing adjacent portions of said uprights to the firebox, a pair of inverted U-shaped members straddled over the open top of said firebox and having the side portions there-



of secured to the firebox by the said upright securing means in line with said uprights, and a handle having a pair of angled attaching portions detachably secured to one side of said firebox between and in line with the adjacent ends of said uprights and of the side portions of said U-shaped members.

2,573,212
PIPE TONGS
Arthur E. Martois, Torrance, Calif.
Application March 12, 1946, Serial No. 653,852
10 Claims. (Cl. 255—35)

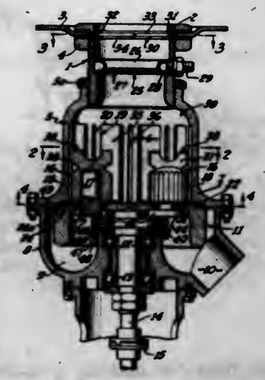


1. In a pipe tongs, a master bushing rotatably mounted in the tongs, said master bushing having a pipe receiving opening therein, power means driving said bushing, a pipe engaging bushing mounted for partial rotation within the master bushing, said pipe engaging bushing having a pipe receiving opening therein, a lever, means pivotally mounting the lever in the pipe bushing, and means slidably connecting the lever to the master bushing, and a pipe engaging dog mounted on said lever.

2,573,213
KITCHEN WASTE DISPOSAL UNIT
Harry H. Miller, Chino, Calif., assignor, by mesne assignments, to E. M. Cotton Appliances Inc., a corporation of California
Application January 11, 1947, Serial No. 721,512
9 Claims. (Cl. 241—123)

1. In a device for the disposal of kitchen waste and the like, the combination which comprises:

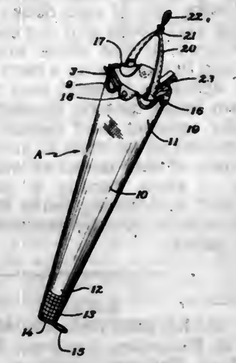
a duct member provided with a vertically extending generally cylindrical portion defining a comminuting zone and provided with a plurality of angularly spaced inwardly projecting rib members having inwardly directed surfaces lying in a surface of revolution about the axis of said duct portion; a head member rotatably disposed subjacent said zone for rotation co-axial with said portion; means for rotating said head member; a pair of comminuting elements carried by said head member in diametrally-spaced relation, said comminuting elements being of generally cylindrical peripheral outline with their axes extending upwardly from said head member into said zone, parallel to the axis of rotation of said head member; and a pair of pins secured to and projecting upward from said head member and rotatably supporting the respective comminuting ele-



ments on said head member for rotation individually about their respective axes within said comminuting zone, said pins constraining said comminuting elements to move in a definite annular zone about the axis of rotation of the head member upon rotation of said head member; said comminuting elements being provided at their upper ends with upwardly projecting knives, the diameter of said comminuting elements and the spacing thereof from each other on said head member being such with respect to the internal diameter of said cylindrical portion of said duct member as to cause the peripheral outline of said elements to be disposed in closely spaced relation to said inwardly directed surfaces of said rib members and to define a central unobstructed space at the upper surface of said head member within the annular zone traversed by said elements during rotation of said head member.

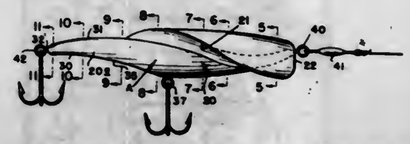
2,573,214
SACK CLOTHES DRIER
Lucille K. Moran, St. Paul, Minn.
Application November 24, 1948, Serial No. 61,859
9 Claims. (Cl. 34—243)

1. A wind sack drier comprising an elongated tubular body of flexible material, at least one end of which is pervious to air, a ring connected to the other end of said body for holding this other end open, and a series of angularly spaced attaching means connected to said other end of said body, said attaching means being designed to support articles of clothing suspended within the tubular body, and a handle bridging said other



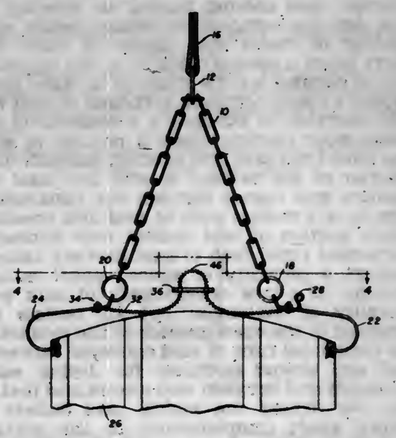
end by means of which the body may be supported.

2,573,215
FISHING LURE
John Harry Murphy, Detroit, Mich.
Application June 7, 1948, Serial No. 31,565
7 Claims. (Cl. 43—42.46)



1. As an article of manufacture a fishing lure comprising an elongated body having an exposed single spiral groove of substantially 360° therealong terminating appreciably short of the rear end thereof, said body at the rear end only being appreciably more flattened at one side than the other.

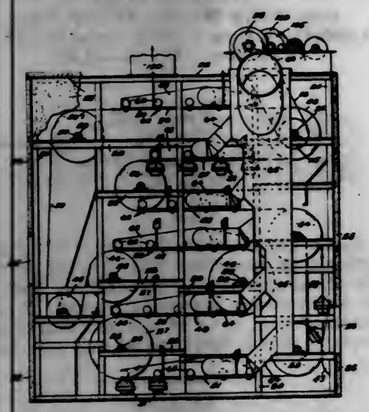
2,573,216
DEVICE FOR HOISTING AND LOWERING BARRELS, ETC.
Angelo F. Natoli, Braintree, Mass.
Application February 10, 1947, Serial No. 727,616
4 Claims. (Cl. 294—74)



4. A lifting device for barrels comprising a

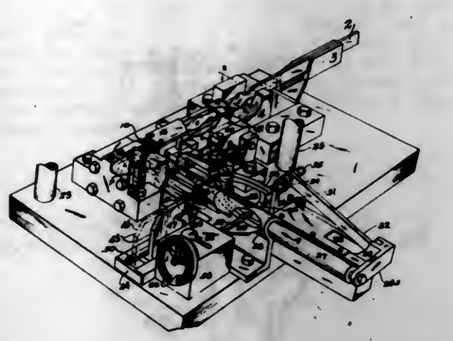
chain, a lifting ring rigidly secured to one of the links of said chain, thereby fixing said chain against sliding movement through said ring, a pair of hooks, one of said hooks being secured to one end of said chain and the other of said hooks being secured to the other end of said chain, each of said hooks having a bent terminal portion with an aperture therein and the end links of said chain being passed through said apertures to thereby connect said hooks to said chain, a spring secured at its ends to said hooks adjacent the portions of said hooks to which said chain is attached, a plate having a pair of apertures therein, and said spring being threaded through said apertures to thereby provide a slack adjuster for said spring.

2,573,217
WARE DRYING APPARATUS
Clifford H. Parmelee, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application April 30, 1947, Serial No. 744,935
3 Claims. (Cl. 34—105)



1. Apparatus for drying articles of pottery ware on absorbent molds and drying empty molds comprising a closed cabinet formed with an open interior, said cabinet having an opening in one side for the removal of empty molds and the loading of molds with pieces of ware therein, there being a second opening in the opposite side of the cabinet for the removal of ware from the molds, a chain conveyor arranged in said cabinet and operable to advance a procession of spaced apart mold carriers along a portion of an endless path from said first opening through the open interior of the cabinet to and past said second opening and thence through the remaining portion in said endless path to said first opening, the major portion of said endless path extending in horizontal runs, each of said carriers adapted to support a plurality of spaced apart molds extending in a row transversely of said path, a plurality of individual hot air outlets fixedly mounted in the open interior of the cabinet above the horizontal runs of said conveyor between said first and second openings for drying ware on the molds and between said second and first openings for drying the molds, said outlets being spaced apart complemental to the spacing of the carriers on said conveyor and to the spacing of the molds on said carriers, conveyor actuating mechanism operable to intermittently advance said conveyor and to cause the same to dwell with the molds positioned in axial registration with said outlets, means for supplying hot air under pressure to said outlets, each of said outlets terminating in close proximity to said molds, and exhaust means connected to said cabinet and operable to remove moisture laden air from about and between the molds and discharge the moisture laden air exteriorly of the cabinet.

2,573,218
APPARATUS AND METHOD FOR MAKING CONNECTOR BOLTS
Joseph Pavelka, St. Louis, Mo.
Application October 6, 1944, Serial No. 557,501
6 Claims. (Cl. 10—11)

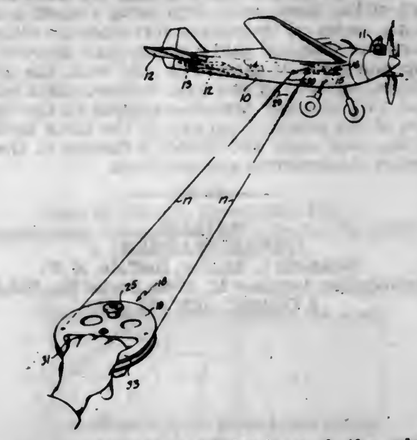


2. In a machine for making a U-shaped connector bolt with threaded legs, a substantially horizontal bed plate with a forming die fixed thereon, a vertically reciprocating press head with a punch cooperating with said die to bend a straight blank into a U-shaped pressing with its legs disposed vertically, a vertically reciprocating member normally below said die for expelling the pressing from the die, a gripping structure reciprocally mounted on said bed plate to move towards and engage the intermediate portion of the expelled pressing and to retract it from the die and punch said structure also being rotatable on said bed to rotate the pressing to position its legs horizontally, and means mounted on the bed plate and actuated by the press head for impressing threads in the pressing legs after they have been turned to horizontal position.

2,573,219
COMBINATION REEL AND CONTROL HANDLE FOR MODEL AIRPLANES
Harold A. Pursell, Bridgeport, Conn.
Application May 1, 1946, Serial No. 666,323
5 Claims. (Cl. 46—77)

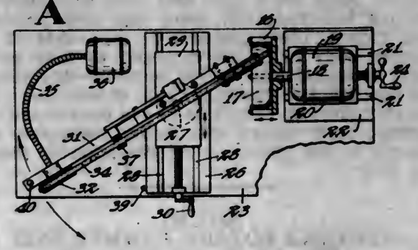
3. A combination reel and control handle for model airplanes comprising a circular disc provided with means on its periphery on which flexible control leads for a model airplane may be wound, means for securing the leads to the disc so they may extend from opposite sides thereof to the plane, means for manipulating the disc to wind the leads thereon, and said disc being provided with an opening therethrough adjacent the peripheral edge and shaped to form with said edge a hand grip so arranged that after the leads are unwound and secured to the plane

controls the disc may be gripped by the operator for holding it and rocked in the plane of the



disc to manipulate said leads and the plane control.

2,573,220
ABRADING THE INTERIOR SURFACES OF HOLLOW WARE
Richard G. Riedesel, St. Paul, and Lawrence A. Martin, White Bear, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application May 31, 1947, Serial No. 751,590
5 Claims. (Cl. 51—147)



1. A machine for abrading the interior surfaces of hollow ware comprising a work holding chuck, means for rotating the chuck, means for effecting reciprocal axial movement of the chuck, a rack pivotally mounted in front of the chuck, a table slidably mounted in the rack for reciprocal movement of the table within the rack, an arm mounted on the table with one end adjacent the face of the chuck, pulleys on the arm for supporting an endless abrasive belt, one of the pulleys being at the end of the arm adjacent the chuck face to serve as a contact wheel to apply the belt to the work, and means for rotating one of the pulleys to drive the belt.

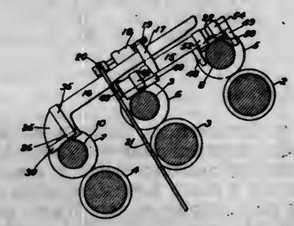
2,573,221
COMPRESSION LINK FOR TRACTOR HITCHES
Oscar G. Romig, St. Joseph, Mo.
Application December 15, 1947, Serial No. 791,688
3 Claims. (Cl. 97—47)

1. In a tractor hitch of the class described for pulling earth working implements behind a tractor and having a component link placed under a compressive stress when the rear wheels of said tractor pass over a depression in the ground, a compression link pivotally supported at both ends and comprising two elongated members pivotally joined on a transverse pivot pin normally displaced in one direction from the longi-



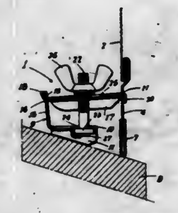
tudinal centerline of the link, an adjustable stop limiting the movement of said pivot pin in said named direction whereby the amount of said displacement may be adjusted, and means carried by said link for moving said pivot pin across said centerline to allow said link to buckle.

2,573,222
SADDLE FOR SPINNING FRAMES
Robert Rulon-Miller, Bristol, R. I., assignor to Dixon Lubricating Saddle Company, Bristol, R. I., a corporation of Rhode Island
Application December 19, 1947, Serial No. 792,812
4 Claims. (Cl. 19—137)



1. A bearing element for the saddles or like members of textile machines comprising a piece of friction-reducing and wear-resisting material having an elongate slot extending through its sides and a strip of pliable material inserted through said slot with its ends projecting upwardly to provide bendable straps adapted to overlie the sides of the saddle or other part with their ends folded across the top thereof to fasten the bearing element in operative position thereon.

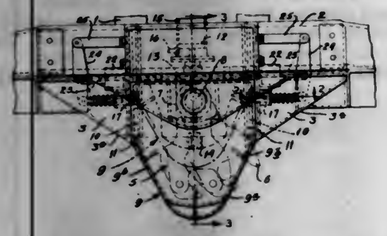
2,573,223
FRAMELESS WINDOW SCREEN TENSIONING DEVICE
David Jordan Rust and Jack H. Jensen, San Leandro, Calif., assignors to Ry-Lock Company, Ltd., San Leandro, Calif., a corporation of California
Application April 3, 1950, Serial No. 153,622
2 Claims. (Cl. 160—328)



1. A tensioning device for a frameless window screen having a bottom cross bar, said device

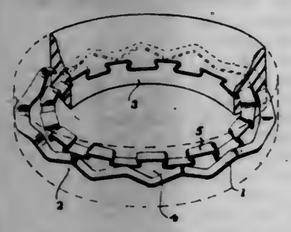
comprising a sill bracket disposed inwardly of the cross bar, an upstanding fulcrum member on the inner end of the bracket, a substantially horizontal lever arm extending over the bracket, means non-removably but rockably attaching the lever arm at its inner end to the fulcrum member, means non-removably but rockably attaching the lever arm at its other end to the cross bar, an adjustable tensioning unit connected between the bracket and lever arm, and means to removably secure the bracket to the sill for detachment of the device as a unit.

2,573,224
RETRACTABLE PILOT FOR RAILWAY LOCOMOTIVES
Albert M. Schieler, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 16, 1947, Serial No. 761,233
3 Claims. (Cl. 293—48)



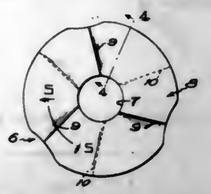
1. In combination, a railway vehicle frame part, a pilot member mounted thereon and having a forwardly opening recess, a coupler in said recess having a head, a vertical pivot swingingly mounting said coupler on said frame part, a pilot element in said recess below said coupler, upward extensions on said pilot element adjacent said coupler, said pilot element being slidably mounted on said pilot member to move rearwardly relative to said pilot member and coupler to a retracted position in which said extensions are positioned substantially adjacent said pivot, and said pilot element being movable forwardly relative to said pilot member and coupler to an extended position in which said extensions are positioned adjacent the coupler head and restrain swinging movement of the coupler.

2,573,225
SEALING PACKING
Lewis Mervyn Cecil Seamark, Lyne Regis, England
Application December 16, 1946, Serial No. 716,485
In Great Britain December 17, 1945
5 Claims. (Cl. 288—9)



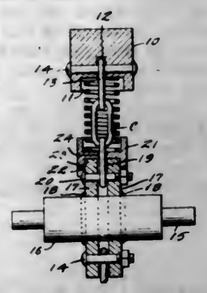
1. A composite sealing packing comprising an annular block made of a soft deformable material, an endless resilient metal strip embedded as an annular element in said block in a plane normal to a plane passing through the longitudinal axis of the block, said strip being shaped to present a series of transverse corrugations with adjacent recesses of said corrugations disposed on opposite sides of said strip, and with the longitudinal sections of the strip inclined relatively to said axis whereby pressure applied in the direction of the longitudinal axis of the block tends to flatten said strip and causes a change in the effective circumference of the block.

2,573,226
LOCK WASHER
Kenneth L. Shafer, Buffalo, N. Y.
Application October 11, 1946, Serial No. 702,811
3 Claims. (Cl. 151—35)



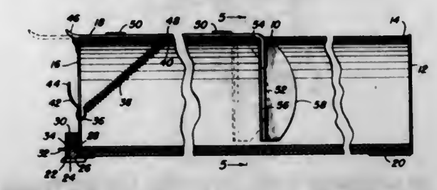
1. In a lock washer, an uninterrupted washer body formed of relatively resilient metal provided with a central opening and of substantially uniform thickness throughout, said washer body being of undulating configuration in a direction substantially circumferentially thereof, the ridges, formed by the undulating surfaces of each side of the washer body, being disposed at substantial angles to radii of the washer, said sides of the washer body being provided with shoulders extending longitudinally along the high points of said ridges, the shoulders on one side of the washer body being all disposed to face in the same direction and in the opposite direction to the shoulders on the other side of said body, and the shoulders on each side of the body being correspondingly spaced and being staggered with respect to the shoulders on the opposite side of the body.

2,573,227
FLEXIBLE ROTARY-HAMMER UNIT
William F. Sheeley, Toulon, Ill.
Application January 19, 1950, Serial No. 139,447
8 Claims. (Cl. 241—194)



2. A hammer unit of the class described including a hammer head, a pair of mounting rings mounted on and secured to a rotary shaft, a link chain, one end link of said chain being secured to the hammer head and the other end link being attached to the mounting rings, a helical spring surrounding the chain and preventing it from collapsing, a socket, and a base on said socket and fitting slidably on the peripheral surfaces of the mounting rings, the chain extending through an opening provided in the socket base, one end portion of the spring being disposed in the socket and the other end portion of the spring being located in a hollow provided in the inner side of the hammer head.

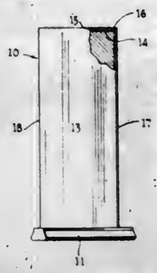
2,573,228
TRAP
John M. Slauth, Escondido, Calif.
Application January 28, 1948, Serial No. 4,820
1 Claim. (Cl. 43—61)



An animal trap comprising an elongated cylindrical body having forward and rear ends, said body having upper and lower outer surfaces, a perforated closure plate at the rear end of said body, a supporting plate secured to the lower surface of said body at the rear end thereof and adapted to bear upon a supporting surface, a plurality of guides secured to the upper surface of said body, a substantially L-shaped latch bar having its longer leg slidably received on the outer periphery of said body and in said guides, said body having a longitudinally extending slot in its upper surface and intermediate the ends of said body, the shorter leg of said L-shaped latch bar being slidably received in said slot, a closure at the forward end of said body, a hinge securing the closure to the upper surface of said body, a spring member within the body and connecting the closure to the body and urging the closure to a lowered and closed position, a support tongue struck from the closure, said latch bar having an upturned lip portion for engaging the support tongue to retain the closure in a raised and open position, a contact plate mounted on the shorter leg of said latch bar and received in said body for engagement by an animal to move the latch bar rearwardly and disengage the lip portion from the support tongue, a bearing foot secured to the lower surface of said body at the forward end thereof, and interlocking means between said bearing foot and said closure for locking the latter against pivotal movement in its closed position.

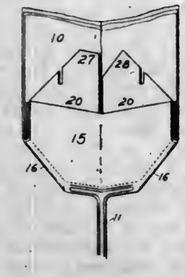
2,573,229
PRODUCING ALUMINUM COATED METAL ARTICLES
George Stern, Yonkers, N. Y., assignor to American Electro Metal Corporation, Yonkers, N. Y., a corporation of Maryland
Application April 22, 1948, Serial No. 22,649
3 Claims. (Cl. 148—12.3)

1. The method of producing an aluminum-coated article having a ferrous skeleton infiltrated with a cuprous infiltrant and containing an appreciable amount of carbon up to 1.7%, comprising the steps of heating the infiltrated article at a temperature between the melting point of the infiltrant and about 1250° C. to dissolve constituents of the ferrous skeleton in the molten infiltrant and to diffuse constituents of the infiltrant into the ferrous skeleton, cooling the article at a rate to retain diffused constituents of the infiltrant in the ferrous skeleton in excess of the amount normally soluble therein at room temperature and to retain dissolved constituents of the skeleton in the cuprous infiltrant in excess of the amount normally soluble therein at room temperature, pressure-shaping the article, heating the article to a temperature between about 735° C. and about 850° C., dipping the article into a molten aluminum-bearing metal



maintained at a temperature approximately the same as that of the heated article to form a coating thereof on the article, removing the coated article from the molten metal, cooling it to a temperature below the freezing point of the coating, and heat treating the coated article at a temperature between about 300° C. and 600° C. to precipitate excess constituents of the infiltrant in the skeleton and of the skeleton in the infiltrant and to alloy the coating and the surface metals of the article.

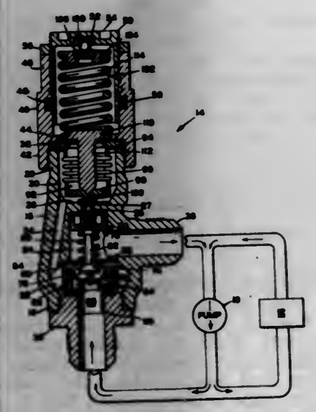
2,573,230
BAG VALVE
Michael J. Strauss, Cleveland, Ohio
Application June 11, 1948, Serial No. 32,422
4 Claims. (Cl. 229—62.5)



1. A bag having one corner turned in to form a valve opening and a supplemental sheet mounted in the pocket provided by the inturned corner of the bag and projecting inwardly beyond the same, such supplemental sheet being partially divided along the line of fold of the bag into two free-valve closing panels, each panel being partially sub-divided by a slot leading from the inner end of the panel to provide a pair of integral tongues in said panels respectively adapted to overlap each other consequent upon valve-closing motion of said panels, the distance along the line of fold on one tongue being greater than the distance along the line of fold on the other

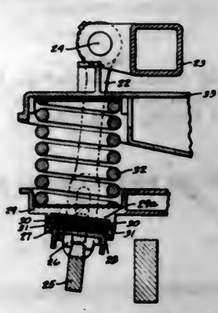
tongue, whereby the latter tongue is more readily bendable than the other to insure priority over said other tongue in valve-closing motion.

2,573,231
PILOT-OPERATED RELIEF VALVE
Walter D. Teague, Jr., Alpine, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 26, 1947, Serial No. 793,966
3 Claims. (Cl. 137—53)



1. In combination in a valve, a housing body including, in one position from an interiorly screw threaded bottom fluid inlet end to an exteriorly threaded top portion in the order named, a filter space, a cylinder, a partition having a through orifice inset, and a bellows space in said top; a washer on said top, a conduit between the filter and bellows spaces, and a cylinder side outlet; a tube connector threaded in said end; a sleeve having a bottom end threaded around said top, an inner shoulder against said washer, an internally-threaded upper end length and an intermediate annular inner groove; an inverted cup in the sleeve threaded to said length and having a closed-end bearing insert; a ring lock nut around the cup against the sleeve; a seal ring compressed in the groove by the cup; a valve disc between the filter space and the cylinder having an underside seat; a filter unit comprising a member having a portion telescoping said connector and a flange in the filter space; a perforate dish-like element having a top flange under the disc, and a tubular filter portion between said flanges; an imperforate piston having definite clearance relative to the cylinder wall, providing for a given flow past the piston, and having a stem extending through the disc journaled in said element and carrying a valve member for said seat to regulate fluid pressure at said bottom fluid inlet; a compression spring between the piston and the disc; a unit comprising an upper flange between said washer and said body and a cupped bellows depending from the upper flange including a bottom wall having a V-section valve portion for the orifice of said inset, and a spring unit including a top spring seat having a bearing inset, a single-ball bearing between said bearing insets, a bottom spring seat over the washer having a depending extension fitting the V-section, and a spring in compression between said seats.

2,573,232
RAILWAY TRUCK CONSTRUCTION
James C. Travilla, Jr., Swarthmore, Pa., and Edmund S. Beckette, East St. Louis, Ill., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 9, 1946, Serial No. 668,506
13 Claims. (Cl. 105—190)



1. In a railway truck including a truck frame, swing hangers pivotally suspended from the sides of said truck frame at an angle to the vertical and a truck load supporting member extending from side to side of the truck and associated with the swing hangers and movable laterally of the truck relative to said truck frame, a yieldable pad supporting the member from the hangers and positioned with its upper and lower faces perpendicular to the longitudinal axes of the swing hangers and arranged to accommodate at least a portion of the relative lateral movement between the truck frame and the member.

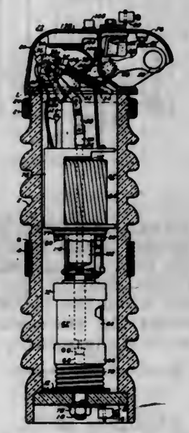
2,573,233
LEVER TYPE TIRE BEAD LOOSENING TOOL
Edmund J. Verdick and Joseph L. White, Annawan, Ill.
Application May 14, 1949, Serial No. 93,259
1 Claim. (Cl. 157—1.26)



A tire remover comprising an elongated handle, a chain connected to an end portion of the handle, a stop arm projecting transversely of the handle at substantially a right angle thereto, near the chain, and a spade or tire-engaging blade extending transversely of the handle, located near the stop arm and mounted on another arm, the said arm and spade extending in approximately the same direction from the handle, the spade being curved toward the stop arm, at its forward edge.

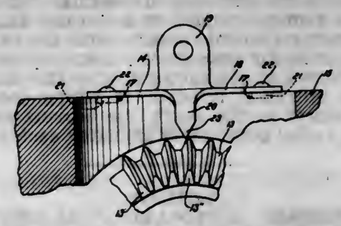
2,573,234
CIRCUIT INTERRUPTER
James M. Wallace, Braddock, and Earl F. Beach, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 2, 1945, Serial No. 608,580
8 Claims. (Cl. 200—89)

1. An automatic reclosing circuit breaker comprising, separable contacts, means responsive to a predetermined condition of the circuit for causing separation of said contacts to open the circuit, means responsive to a circuit opening operation for automatically closing said contacts, fluid dashpot means for delaying separation of said contacts a predetermined time after the occurrence of said predetermined condition, vent means for said dashpot means normally freely passing an amount of fluid equal to that displaced by said dashpot means during a circuit opening operation, a member which is advanced a predetermined amount from a normal position



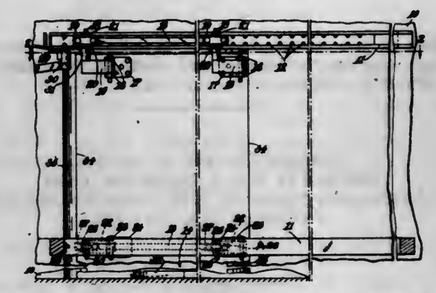
in response to each circuit opening and closing cycle of operation of the breaker for restricting the flow of fluid through said vent means in response to a predetermined operation in any series of closely successive operations to delay the following circuit opening operation of such a series of operations, said member being biased to return to its normal position and having means for delaying such return movement, and means responsive to advancement of said member an amount greater than that required to restrict said vent means for terminating such a series of operations.

2,573,235
SETTING TOOL
Edmund Walters, Evansville, Ind., assignor to Republic Aviation Corporation, Farmingdale, N. Y., a corporation of Delaware
Application April 7, 1945, Serial No. 587,180
10 Claims. (Cl. 116—114)



1. A setting tool comprising an elongated plate, an indicator formed integrally with and centrally of the length of said plate to project angularly from one longitudinal edge thereof, studs fixed to said plate on opposite sides of and equidistant from the indicator to project from the plate in the same direction as the indicator, and a handle formed integrally with said plate to project angularly therefrom at the other longitudinal edge thereof in a direction opposite to that of the indicator but in a plane substantially parallel to the plane of said indicator.

2,573,236
MOUNTING FOR SLIDING DOORS
Alfred Ernest Whittit, Heston, Middlesex, England, assignor to James Whitson & Company Limited, West Drayton, Middlesex, England
Application February 17, 1947, Serial No. 729,015
In Great Britain February 14, 1946
3 Claims. (Cl. 20—23)

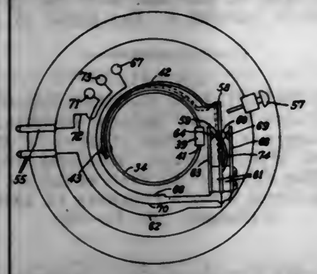


1. A sliding door construction comprising a door, a doorway frame, a guide track extending across the width of and beyond at least one upright margin of the doorway frame and disposed to one side of the plane of the frame, a guided member movable along said guide track, a number of bracket arms each pivoted at one end about an upright axis to the door and at the other end about an upright axis to the guided member and providing a parallel linkage between the door and the guided member, the two pivot axes for each bracket arm being laterally displaced from each other, an abutment member carried on the door intermediate of the ends of the door, guide means on the doorway frame in the path of movement of said abutment member so as to be engageable thereby when the door is approaching a position of register with the opening of the doorway frame, which abutment member and guide means when in engagement permit relative movement between them in the direction of said track, which movement causes the door to move towards the plane of the doorway frame, and stop means on the doorway frame arranged to arrest the guided member after the door has moved towards the plane of the doorway frame under the action of the guide means and abutment member and before closing of the door in the frame.

2,573,237
INTERCHANGEABLE GLASS AND METAL VACUUM COFFEE MAKER
Albert C. Wilcox, Chicago, Ill.
Application August 30, 1949, Serial No. 113,202
3 Claims. (Cl. 219—43)

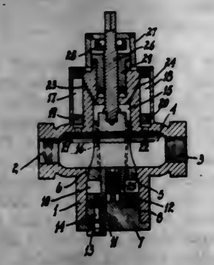
1. A vacuum coffee maker comprising a lower container having an open upper end and a reduced depending well at its lower end, a base having a cup-shaped portion receiving the lower portion of the lower container, means for detachably connecting the base to the lower container, electric heating means in the base, a metal shell in the base for receiving said depending well of the lower container, an electric circuit for the heating means in the base, a switch

in the circuit, a bi-metal strip connected at one end to one side of the metal shell for operating the switch, and a tension spring at the opposite



side of the metal shell for pressing the depending well against the metal shell at the point of connection of the bi-metal strip.

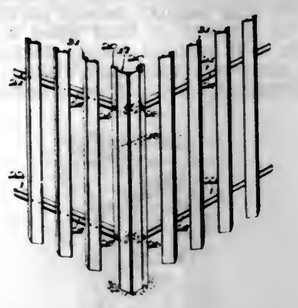
2,573,238
BALANCED PLUG VALVE
Richard H. Wunn, Bellflower, Calif.
Application March 19, 1946, Serial No. 655,615
3 Claims. (Cl. 251—98)



2. A balanced plug valve comprising a body, said body having a fluid passage extending therethrough, a tapered plug rotatably mounted in said passage, said body having a balance chamber above said plug and a second balance chamber below said plug, said body having ducts therein connecting both of said chambers, a shaft rising from said plug, a cap threaded onto the body, said shaft shouldering against the cap whereby downward movement of the cap will press against the plug and free said plug in its seat, said body having a cylinder therein, said body having another duct extending from said cylinder to one of said chambers, a piston in the cylinder, said body having an opening extending from the fluid passage to said cylinder, and a fitting in the body, said fitting being connected with one of said chambers, said plug having a cylinder bore therein, a balancing piston mounted in said cylinder bore, said cylinder bore being open at one end to the interior of the plug and at the other end to said chamber below the plug.

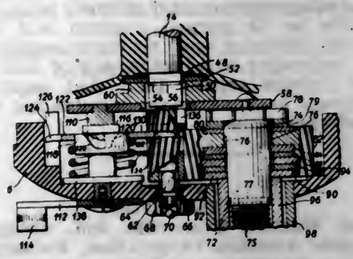
2,573,239
PICKET FENCE
Raymond W. Barrett, Freeport, N. Y.
Application October 20, 1950, Serial No. 191,185
5 Claims. (Cl. 256—22)

1. In a picket fence, a stringer having pairs of spaced projections having their free ends extending forwardly beyond the front face of the stringer, and upstanding pickets mounted upon the front face of the stringer adjacent to the pairs of projections, each picket being transversely resilient so that its width may be changed when placed under tension, each picket having a pair of openings near its longitudinal edges which are spaced apart for a different distance than the distance between the free ends of the adjacent pair of projections when the picket is not under tension and before it is applied to the



stringer, the arrangement being such that when the picket is placed under tension to vary its transverse width its openings will be in alignment with the free ends of the projections to receive them and when the picket is freed from some of its tension the projections will engage corresponding walls of the openings.

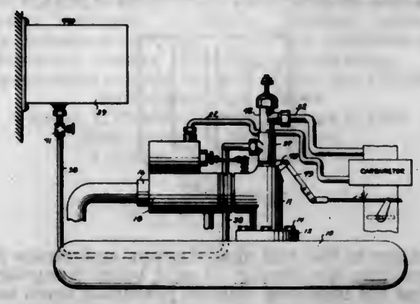
2,573,240
FISHING REEL
Bernard E. Berlinger, Elkins Park, Pa., assignor to Quaker City Gear Works, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application July 30, 1947, Serial No. 764,786
4 Claims. (Cl. 242—84.1)



1. A fishing reel comprising a frame, a spool having a shaft, and bearings supporting the shaft in the frame, one of said bearings including a bearing element carried by the frame and a second bearing element rotating with the shaft and having only the innermost portion of one radial face thereof in engagement with the shaft but having universal freedom of tilting movement with respect to the shaft, the bearing elements having radial plane faces engaging each other.

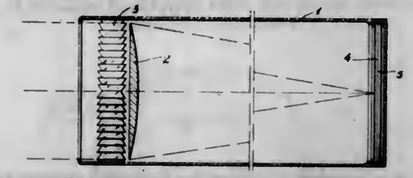
2,573,241
COMBINED AUTOMATIC FUEL CONDITIONER WITH STEAM INJECTION
Hamilton G. Blumberg and Elbert M. Stevens, San Antonio, Tex.
Application July 15, 1947, Serial No. 761,060
5 Claims. (Cl. 123—25)

1. A combined fuel conditioner and steam injection device comprising a casting adapted to be mounted upon an exhaust chamber of an internal combustion engine, said casting having an outlet portion for the exhaust gases which have traversed the same, a fuel receiving chamber associated with the outlet portion and having inlet and outlet means for receiving the fuel oil to be preheated and for directing the same after it has



been heated to a carburetor, a water pipe extending downwardly through the casting to be heated by the gases traversing the same, a central pipe within the water pipe for receiving the steam generated therein, and valve control means for controlling the steam leaving the central pipe.

2,573,242
STATIC APPARATUS FOR RELIEF PHOTOGRAPHY
Maurice Bonnet, Paris, France, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief, Maurice Bonnet, Paris, France, a corporation of France
Application May 8, 1947, Serial No. 746,748
In France May 15, 1946
10 Claims. (Cl. 95—18)

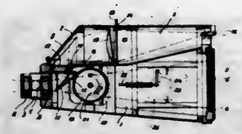


1. In a snapshot apparatus for peri-stereoscopic photography having a photosensitive element, the combination of a rectilinear horizontal row of inversion prisms with an optical selector screen having vertical cylindrical lenticular elements covering the photosensitive element, and with a single convergent lens extending across and placed behind said row of inversion prisms, the aperture angle of said lens being selected equal to that of the cylindrical lenticular elements of the selector screen on which the image is formed.

2,573,243
CAMERA FOR SNAPSHOT RELIEF PHOTOGRAPHY
Maurice Bonnet, Paris, France, assignor to La Reliephographie, Société pour l'Exploitation des Procédés de Photographie en Relief Maurice Bonnet, Paris, France, a French corporation
Application March 13, 1948, Serial No. 14,734
In France March 17, 1947
2 Claims. (Cl. 95—18)

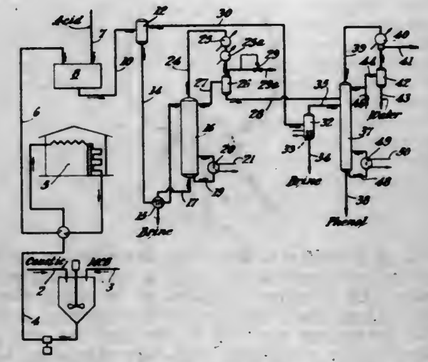
1. In a photographic apparatus, a camera with conventional lens, shutter and viewing device, a

stand rolling on the ground, co-axial horizontal trunnions for the camera, said trunnions being perpendicular to the optical axis of the camera, and a mechanism for locking the camera in adjusted angular position on the trunnions of the stand, said mechanism comprising a sector-



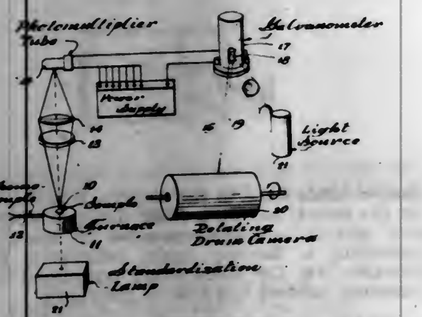
shaped blade fixed to the camera, a spring clamp on the stand, having a fixed jaw and a movable jaw, and an actuating member on the camera, including a flexible cable connected to the movable jaw, the blade being positioned for adjustment between the jaws of the clamp.

2,573,244
RECOVERY OF PHENOL FROM DILUTE AQUEOUS SOLUTIONS
Marcel J. P. Bogart, Mamaroneck, and Austin S. Brunjes, Plandome, N. Y., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application April 6, 1949, Serial No. 85,816
8 Claims. (Cl. 202—68)



1. The method of concentrating an aqueous phenol solution containing less than the azeotrope proportion of phenol at atmospheric pressure which comprises fractionally distilling said dilute phenol solution in a rectification zone heated by indirect heat exchange in the presence of sodium chloride brine in all parts of the zone and under a super atmospheric pressure of at least three atmospheres to produce a vaporous overhead of water and phenol containing substantially more phenol than the binary azeotropic proportions of phenol-water, condensing said vapors and settling said condensate for sufficient time to produce a saturated water-rich layer and a saturated phenol-rich layer, returning said saturated water-rich layer to the top of the rectification zone and withdrawing the saturated phenol-rich layer.

2,573,245
METHOD OF ASSAYING SOLID CATALYSTS
Charles A. Boyd and Joseph Hirschfelder, Madison, Wis., assignors to Wisconsin Alumni Research Foundation, Madison, Wis., a corporation of Wisconsin
Application May 31, 1949, Serial No. 96,338
11 Claims. (Cl. 250—71)



1. A method of evaluating a solid substance in respect of its efficiency as a catalyst, which comprises exposing the substance to radiation, subsequently heating said substance so exposed, observing the effect produced by said heating in respect of luminescense of the substance, and comparing said effect with a known standard.

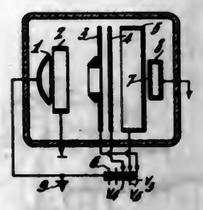
2,573,246
COFFEE FILTER
Frank R. Chester, Santa Monica, Calif.
Application April 26, 1947, Serial No. 744,134
2 Claims. (Cl. 210—162)



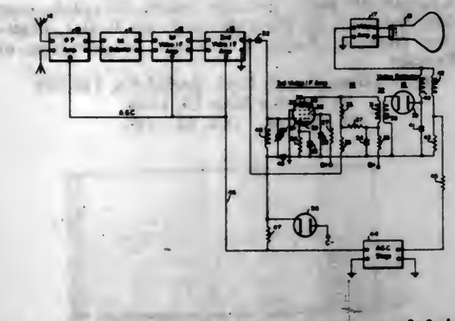
1. In a device of the class described, a support having an opening, an open-wound compressible helix-like strainer adapted to be supported at one end on the support over the opening, a cover disc seated on one end of the strainer and provided at its periphery with legs extending along the outside of the strainer for limiting the axial compression of the strainer, a retaining member having a handle at one end and extending with its other end axially through the cover and strainer and provided at the latter end with a means for engaging the support through the opening, and a spring between the cover and the handle of the retaining member.

2,573,247
MEANS FOR SIGNAL AMPLIFYING AND MIXING UTILIZING SPACE CHARGE NEUTRALIZATION
John R. Coleman, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 3, 1949, Serial No. 68,947
11 Claims. (Cl. 315—16)

1. A reflex-klystron device including a source of electrons, means for providing a focussed beam of electrons therefrom, a resonant cavity, a reflecting electrode, and a plurality of accelerating electrodes that define boundaries of a substantially field-free region in said medium surrounding said cavity each of said accelerating electrodes having an aperture therein the centers of which apertures are in the axis of said beam, and means for controlling the density of said beam comprising means for imposing electric potentials upon said region in the vicinities of the said apertures, whereby the configuration of said field-free region in the vicinities of said apertures are controlled.

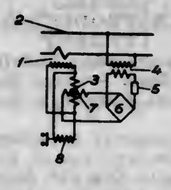


2,573,248
TELEVISION RECEIVER
Albert Cotsworth, III, Oak Park, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application June 18, 1949, Serial No. 99,953
4 Claims. (Cl. 179—171)



3. A television receiver for utilizing modulated-carrier television signals of the vestigial sideband type subject to a wide range of signal strengths comprising: a frequency-selective amplifier having a response characteristic with an intermediate portion of substantially uniform maximum response and an end portion of decreasing response, said amplifier including an electron-discharge device having input and output circuits and further including a degenerative feedback network coupled between said input and output circuits; a detector circuit coupled to said amplifier for detecting the signals amplified thereby; an automatic gain control circuit coupled to said detector for developing a control potential varying in amplitude with variations in the strength of the received television signals; a biasing network coupled between said input circuit and said control system for applying said control potential to said amplifier to vary the width of said intermediate portion of said characteristic inversely with the amplitude of said control potential; and a limiter coupled to said biasing network for limiting said control potential as applied to said amplifier to a preselected maximum value for which the width of said intermediate portion is such that the carrier component of any one of said received television signals above a predetermined signal strength lies in said end portion.

2,573,249
SATURABLE REACTOR IMPEDANCE RELAY
Fredrik Dahlgren, Djursholm, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application August 23, 1947, Serial No. 770,250
In Sweden May 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 3, 1964
5 Claims. (Cl. 175—294)



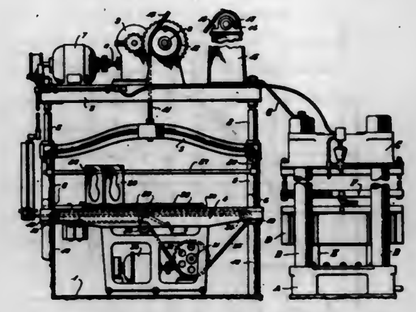
1. A protective connection for a power circuit, comprising a direct current saturable reactor, means for feeding the alternating current winding of said reactor directly, rectifier means feeding the direct current winding of said reactor, one of the winding currents being dependent on the voltage and the other on the current in said power circuit, a protective device for such circuit, and means controlled by the voltage across the alternating current winding of said reactor to operate said protective device.

2,573,250
SUSPENSION FOR SAFETY HELMETS
Le Grand Daly, Birmingham, Mich.
Application March 26, 1945, Serial No. 584,890
3 Claims. (Cl. 2—6)



1. A safety helmet comprising a rigid shell having a number of holes in the lower periphery of its crown; a substantially unstretchable suspension adapted to fit a wearer's head and including an adjustable substantially unstretchable base band, a plurality of substantially unstretchable loops provided around the outside periphery of said base band, said band being mountable within said shell substantially concentrically therewith with a predetermined safety space between said shell and said loops to prevent their direct contact; and a substantially unstretchable cord passed through said holes in the shell and said loops, said cord being drawn tightly to offer frictional resistance to forces tending to disturb said concentric spaced relationship between said shell and said suspension and to form the sole connection therebetween across said safety space, the said safety space between said shell and base band being circumferentially continuous and being traversed only by said cord.

2,573,251
SOLE MOLD SELECTOR AND CONVEYER
Leo F. Exley, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application September 27, 1950, Serial No. 187,036
20 Claims. (Cl. 18—1)

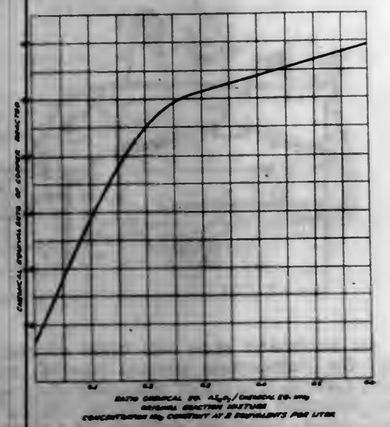


1. An automatic shoe sole mold selector conveyor, for vulcanizing presses having multiple heated platens uniformly separably disposed between movable heads to provide "closed" and "open" press conditions, comprising a work table vertically movably mounted adjacent the press; means for raising and lowering the work table to and from a loading position; a mold plate on the work table having at its end remote from the press an extension, said plate being adapted to carry a multiplicity of molds having upwardly hinged covers; a carriage reciprocable in said work table; opposed gripper arms on the carriage having teeth adapted when the arms are closed to engage notches in the said extension; means to normally maintain the arms engaged with the extensions and when the carriage reaches the end of the table adjacent the press to open the arms and disengage the extension; means for reciprocating the carriage; and an electric circuit for automatically controlling the work table raising and lowering means and the carriage reciprocating means, said circuit including a source of electric current and devices whereby when the press is "open" the circuit is closed, said devices shifting the work table from loading position to a sequential position opposite one of the press platens, then shifting the carriage to push the mold plate thereon into said platen, then shifting the working table opposite another press platen in prearranged sequential order, then retracting the carriage to load thereon the related mold plate from the last named platen, then returning the work table to loading position, and then closing the press.

2,573,252
PROCESS FOR PREPARING CUPRIC AMMONIUM ARSENITE SOLUTIONS
Eduard Farber, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application May 24, 1949, Serial No. 95,082
4 Claims. (Cl. 23—53)

1. A process for the production of a cupric ammonium arsenite wood impregnating solution substantially free of arsenates which comprises contacting with a free oxygen containing gas at a temperature of about 10° C. to about 40° C., an aqueous ammoniacal arsenious oxide solution having metallic copper in contact therewith, said aqueous ammoniacal arsenious oxide solution

containing from about 1 to about 3 equivalents of dissolved ammonia per liter and from about 0.25 to about 0.6 equivalent of dissolved arsenious oxide per equivalent of dissolved ammonia, said metallic copper being present throughout the



reaction in a stoichiometric excess with respect to the arsenious material present, said free oxygen containing gas being supplied at a rate adequate to provide an excess of oxygen throughout the reaction.

2,573,253

PROCESS FOR PRODUCING CUPRIC AMMONIUM BORATE SOLUTIONS

Eduard Farber, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware

No Drawing. Application June 21, 1950, Serial No. 169,521
5 Claims. (Cl. 23—59)

1. A process for the production of cupric ammonium borate solutions which comprises contacting with a free oxygen containing gas, at a temperature of from about 5° C. to about 40° C. an aqueous ammoniacal boric acid solution having metallic copper in contact therewith, said aqueous ammoniacal boric acid solution containing from about 1 to about 4 equivalents of dissolved ammonia per liter and at least about 0.25 equivalents of dissolved boric acid per equivalent of dissolved ammonia, said solution containing no more than about 2.5 equivalents of boric acid per liter, said metallic copper being present in stoichiometric excess throughout the reaction, said free oxygen containing gas being supplied at a rate adequate to provide, at all times, an excess of free oxygen in the reaction mixture.

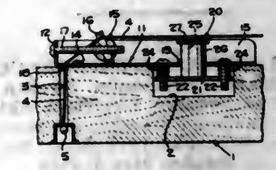
2,573,254

COMBINATION BRIDGE AND PICKUP ASSEMBLY FOR STRING INSTRUMENTS

Clarence L. Fender, Fullerton, Calif.

Application January 13, 1950, Serial No. 138,365
6 Claims. (Cl. 84—1.16)

1. A bridge assembly for stringed musical instruments, involving: a plate member adapted to be secured to the body of a stringed musical instrument and apertured to receive the ends of the strings thereof; a plurality of bridge bars underlying said strings; means for individually raising and lowering said bridge bars relative to said plate; and means for individually adjusting



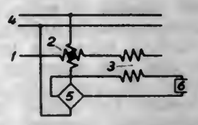
said bridge bars axially with respect to said strings.

2,573,255

MEANS FOR REPRODUCING A DIRECT CURRENT

Harry Forssell, Herrgarden, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application December 24, 1947, Serial No. 793,693
In Sweden June 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1962
8 Claims. (Cl. 321—25)



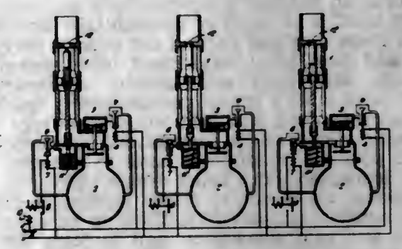
1. Means for reproducing a direct current, comprising a transductor having a winding adapted to be traversed by said current and a winding adapted to be fed by an alternating current source, a rectifier in series with said alternating current winding, and a current transformer having a primary winding connected in series with said direct current traversed winding and a secondary winding connected in series with direct current terminals of said rectifier.

2,573,256

ARRANGEMENT IN RAPID RECLOSING COMPRESSED AIR CIRCUIT BREAKERS

Haakon Forwald, Valhalla, Ludvika, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation

Application January 17, 1948, Serial No. 2,915
In Sweden July 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 17, 1963
3 Claims. (Cl. 175—294)



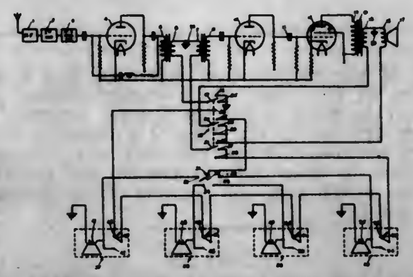
1. A rapid reclosing multi-phase air blast circuit breaker, comprising air blast extinguishing chambers, breaker contacts in said chambers, means for the simultaneous control of the delivery of extinguishing air to said chambers of all the phases, means for the individual control of the breaker contacts in each phase independently of the contacts in the other phases, and means whereby the opening of any of the breaker contacts is prevented until compressed air has first been delivered to said extinguishing chambers.

2,573,257

COMBINED RADIO AND INTERCOMMUNICATING SET

William W. Garstang, Indianapolis, Ind., assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware

Application February 24, 1947, Serial No. 730,479
5 Claims. (Cl. 250—20)



1. A radio system comprising a radio receiving system, including a radio frequency source, an audio circuit having a first audio amplifier having its input side connected to said frequency source, a second audio amplifier, a first speaker having a speaker coil, a first transformer having its primary connected with the output side of said second audio amplifier and its secondary connected with said first speaker coil, a second transformer having its primary connected with the output side of said first audio amplifier, a third transformer having its secondary connected to the input side of said second audio amplifier, a plurality of secondary speakers each having a speaker coil and switching means operatively connected with each of said secondary speaker coils, each of said switching means in one position connecting the secondary of the second transformer with the primary of the third transformer and in its second position connecting its associated speaker coil with the primary of the third transformer.

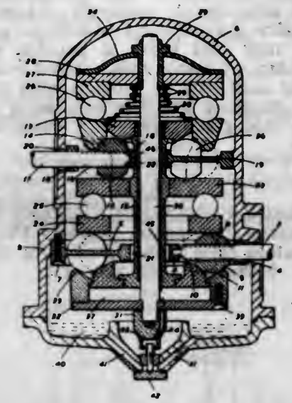
2,573,258

CONTINUOUSLY VARIABLE SPEED-RATIO TRANSMISSION MECHANISM AND IN SPEED GOVERNING MEANS

Jacobus Johannes Gerritsen, London, England

Application August 6, 1947, Serial No. 766,548
In Great Britain August 6, 1946
18 Claims. (Cl. 74—200)

1. In a continuously variable speed ratio power transmission mechanism, a casing, three coaxial members rotatable independently of one another, of which the first and second are axially located with respect to each other and the third is axially displaceable relatively to the first and second members, the first and second members respectively bearing one and the other of two oppositely facing coniform surfaces of the same species (male or female) and the third member bearing two oppositely facing coniform surfaces of the opposite species to that of the coniform surfaces of the first and second members, the coniform surfaces being disposed to provide two V-shaped tracks facing axially in opposed directions, whose apical radii are variable simultaneously in opposed senses by axial displacement of the third rotatable member relatively to the other two rotatable members, a ball in rolling contact with each V-track, preloading means for retaining the balls in frictional engagement with the V-tracks, an input shaft whose torque is applied for driving one ball, and an output shaft whose torque is received from the other ball.

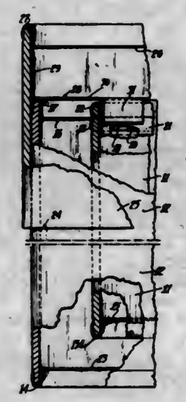


2,573,259

INSULATED CONTAINER FOR BOTTLES

Melvin Goldwater, New York, N. Y.

Application August 28, 1948, Serial No. 46,689
1 Claim. (Cl. 229—14)



A receptacle of the character described comprising concentrically spaced inner and outer tubular sections constituting an inner container and an outer jacket, respectively, bottom disks closing each section, a circinate spacing disk disposed in the upper end of the jacket and having a central opening, said disk having a peripheral bead for gripping engagement over the upper edge of said jacket and a depending crimped flange bounding said opening, a relatively wide guide band fitting into the upper open end of the container and having a bead for gripping engagement with the upper edge of said container,

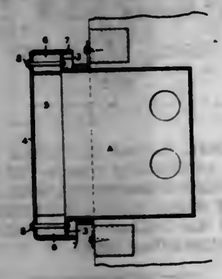
said band coacting with said crimped flange for gripping the container and holding the same in place concentrically of and spaced from said jacket and in spaced relation with the bottom disk of said jacket, a tubular section slidably fitting over the upper end of the jacket, a cup-shaped cap closing one end of the tubular section to complete a cover for the jacket, and said cap being shaped to provide an inwardly extending well concentrically thereof and constituting a guide projecting into said band to provide a closure for the container, a crown disk fitted into the upper edge of said cap to provide with the cap a sealed air chamber and the cap being arranged to seat on said peripheral bead when the cover is in place.

2,573,260

TEMPORARY COVER FOR OUTLET BOXES

Charles J. Gorman, Orlando, Fla.

Application June 3, 1949, Serial No. 96,899
2 Claims. (Cl. 220—3.4)



2. A temporary, plaster excluding cover for an electric outlet box of the conventional rectangular type having out-turned ears at opposed points about its periphery and adjacent the front edge of the box, said ears having threaded openings therethrough, said cover comprising a face section, an inturned peripheral flange carried by the face section dimensioned to conform to and engage the front edge of the outlet box substantially entirely therearound and outwardly projecting housings integral with the cover and extending laterally thereof and positioned to overlie and enclose the out-turned ears of the box, said housings being of a length to extend to a point rearwardly of said ears, to aid in excluding plaster from the area in the rear of said ears, said housings comprising walls which close their front ends and are pierced for the passage of screws, said openings being aligned with the threaded openings of the ears, whereby when screws are passed through said openings and engaged with said ears, said screws serve to draw the cover firmly to plaster excluding engagement with the box, hold it there and by their presence plug the openings of the ears against the entry of plaster.

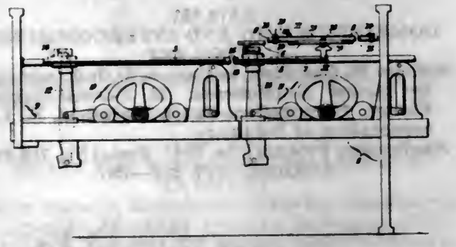
2,573,261

SAFETY STOP MECHANISM FOR KNITTING MACHINES

Eugene Rudolf Harzer, Elizabethtown, Pa., assignor to Karl Lieberknecht, Inc., Reading, Pa., a corporation of Pennsylvania

Application August 5, 1950, Serial No. 177,845
2 Claims. (Cl. 66—157)

1. Automatic safety stop mechanism for a straight electric motor-driven knitting machine having two longitudinally-extending members, and separate means for reciprocating the members endwise in synchronism during the knitting, said mechanism including a stationarily-mounted switch connected in circuit with the motor and having an actuating arm, a horizontal bail-like trip element underlying the switch-actuating arm, a stationary part of the machine on which the trip element is pivoted, an upright plunger directly underneath the trip element carried by



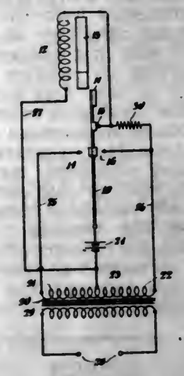
one of the reciprocated members, and a cam notch in the other reciprocated member into which the lower end of the plunger normally extends whereby, in the event of differential movement between the two members, the plunger is elevated to raise the trip element for actuation of the switch arm and opening of the circuit to the motor.

2,573,262

VIBRATOR CONVERTER WITH RESISTORS

Clarence Huetten, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

Application May 2, 1947, Serial No. 745,623
2 Claims. (Cl. 321—49)



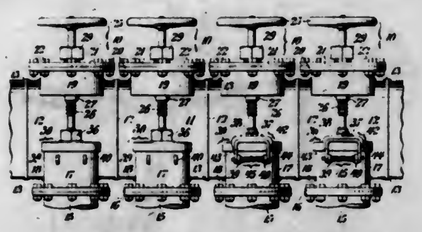
1. In a vibratory interrupter system, a vibrator comprising a reed, a pole side interrupter contact and a driver coil assembly including a pole piece mounted at one side of the reed, a driver contact and an inertia side interrupter contact mounted at the other side of said reed, a transformer having a tapped primary winding connected between said interrupter contacts, a source of direct current connected between said reed and the tap on said winding, a circuit for periodically energizing said driver coil including the current source, the reed, and the driver contact, and a circuit including a resistor connected between said driver contact and said inertia side interrupter contact for preventing contact arcing and promoting efficiency of operation of the driver coil.

2,573,263

VALVE

James A. Jensen, Haverford, Pa., assignor to Philadelphia Valve Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 15, 1950, Serial No. 168,287
4 Claims. (Cl. 251—1)



1. Conversion means for a valve having a body and a seat around an inlet port within the body, a discous closure element to cooperate with the seat, a removable bonnet connected to the body, an actuating stem screw engaged axially of the bonnet and having a circumferential flange at its inner end, and a cap nut threadedly engaged with an upstanding axial boss on the closure element and cooperative with the circumferential flange of the stem to loosely connect the element to the stem, said conversion means comprising a pair of laterally-spaced pierced ears on the body adjacent the valve seat; an arm insertable upon removal of the bonnet, said arm having a loop at its distal end to engage loosely over the boss on the closure element after removal of the nut, and a yoke portion to span the ears at the valve seat; a longitudinally-contractable pintle means with outwardly spring biased end components to engage through the ears aforesaid and into apertures in the extremities of the yoke portion of said arm; and a substitute nut to engage the boss on the closure element and having a circumferential shoulder to overreach the loop of the arm.

2,573,264

FURNACE BRICK

Frank O. Keltz, Latrobe, Pa., assignor to McFeely Brick Company, Latrobe, Pa., a corporation of Pennsylvania

No Drawing. Application March 12, 1949, Serial No. 81,207
5 Claims. (Cl. 106—63)

1. A silica brick formed of high silica material substantially free of alkalies and iron, and also containing lime and fused alumina, the lime being approximately 2% (by weight) of the mixture, and the total alumina content, including .10% to .30% of the fused alumina, being not in excess of 1% of the mixture, by weight.

2,573,265

ISOLATION OF STEROLS

Willy Lange, Cincinnati, and Robert G. Folsenlogen, Golf Manor, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application June 25, 1948, Serial No. 35,283
11 Claims. (Cl. 260—397.3)

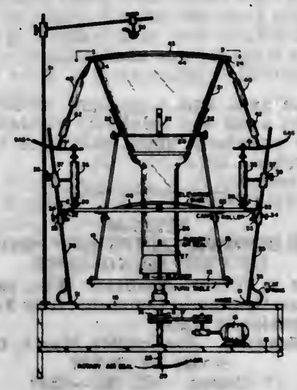
1. A process for the separation of sterol containing a hydroxy group in 3(beta)-position and a double bond in 5:6-position from sterol-containing material, which comprises providing a solution of the unsaponifiable fraction of said material in an oxygen-free, liquid solvent of the group consisting of hydrocarbons and halogenated derivatives thereof, mixing therewith at a temperature not substantially in excess of 100° F. an acid of the group consisting of perchloric and hexafluorophosphoric acids thereby effecting precipitation of sterol constituents of the unsaponifiable fraction without effecting precipitation of sterol derivatives, and separating the precipitate from the mother liquor.

2,573,266

SEALING APPARATUS FOR CATHODE-RAY TUBES

Walter P. Melcher and Harry H. Voelz, Chicago, Ill., assignors to The Rauland Corporation, a corporation of Illinois

Application November 30, 1950, Serial No. 198,256
6 Claims. (Cl. 49—1)



1. Apparatus for sealing the viewing plate of a cathode-ray tube to a hollow envelope portion having a flanged end of a given configuration comprising: a structure for supporting said envelope portion with its flanged end upward to receive said viewing plate; an array of heating elements movably supported by said structure around said envelope portion and directed toward said flanged end; a cam positioned within said array and having a configuration corresponding to that of said flanged end; means for biasing said heating elements into engagement with said cam to conform the pattern of said array to the configuration of said flanged end; and means for effecting relative rotation between said array of heating elements and said cam.

2,573,267

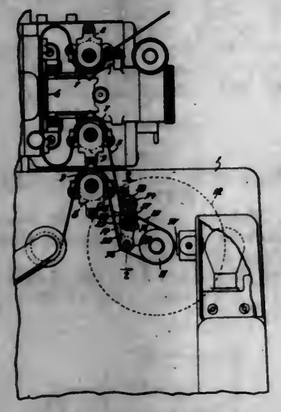
STRIP TENSIONING DEVICE

Robert F. Miehle, Jr., Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application January 22, 1949, Serial No. 72,121
9 Claims. (Cl. 271—2.3)

1. In a device of the character described, the combination with a rotatable drum, of constant feed means for feeding a strip about said drum and operative on the strip on both sides of said drum, and means operative to transmit tension from one to the other of the two stretches of the strip between said feed means and drum comprising two arms mounted for independent pivotal movement in substantially coaxial relation and at points thereon radially and oppositely

spaced from their pivotal axis, having tensioning operative relation respectively with said stretches in spaced relation with said feed means and drum and in opposite directions angularly



about said axis, and a resilient connection between said arms and relatively yieldably urging the same angularly about said axis to tension said stretches.

2,573,268

DICHLOROPYRAZINES AND PROCESS OF PREPARING SAME

Alexander A. Miller, Madison, Wis., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 8, 1948, Serial No. 25,987
7 Claims. (Cl. 260—250)

1. The improved method of producing polyhalogenopyrazines which comprises subjecting a continuous flow of a fully vaporized mixture, preheated to within 50° C. of the reaction temperature, of a monohalogenopyrazine, selected from the group consisting of monobromo and monochloropyrazine, and 1 to 5 mols per mol of the same halogen present in the monohalogenopyrazine to an elevated reaction temperature; maintaining a reaction temperature of from 325–625° C., the temperature being held at from 325–525° C. when the halogen is chlorine and from 425–625° C. when the halogen is bromine, maintaining the mixture at reaction temperature for a period of from 0.5 second at the higher temperatures up to 50 seconds at the lower temperatures; subjecting the reacted mixture to condensation; neutralizing the condensate with an alkaline wash; steam distilling the neutralized mixture and subjecting the distillation condensate to fractional distillation to separate the di-, tri- and tetrahalogenopyrazine fractions therefrom.

4. An isomeric dichloropyrazine mixture.

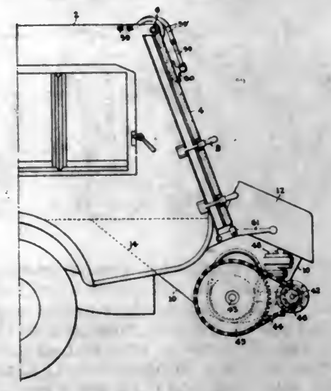
2,573,269

LOADER FOR REFUSE COLLECTING TRUCKS

Ernest C. C. Miller, Laurelton, N. Y.

Application April 10, 1946, Serial No. 660,940
11 Claims. (Cl. 214—67)

1. A loading device for a refuse collecting truck, comprising in combination a loading boot, pivoted brackets carried by said boot, a slotted cylinder carried by said brackets, so as to be movable up and down in the boot, pusher blades movable edgewise in the slots in the cylinder, in and out with respect to the surface thereof, means for rotating said cylinder continuously in one direction, cam means supported by said brackets adjacent the end of the cylinder for effecting said in and out movement of the pusher blades, and



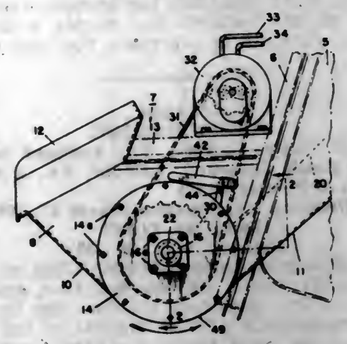
a scraper blade supported by said brackets for scraping engagement with the surface of the cylinder and slidable engagement with a wall of the boot to prevent the return of refuse into the boot.

2,573,270

LOADER FOR REFUSE COLLECTING TRUCKS

Ernest C. C. Miller, Laurelton, N. Y.

Application November 22, 1948, Serial No. 61,350
3 Claims. (Cl. 214—67)



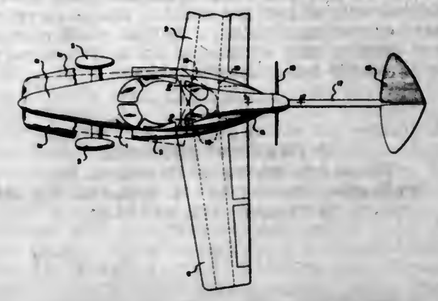
1. In a refuse collecting truck having a passage leading into the bottom of said truck body, a horizontally trunnioned drum mounted in said passage, the surface of the drum being spaced from the lower wall of the passage and intersecting the upper wall of the passage, said upper wall being disposed in a plane passing below the axis of the drum, said drum having segmental surface elements pivotally mounted at their leading edges, cam means to cause the segmental elements to be retracted while passing adjacent said upper wall and to be extended while passing adjacent the lower wall, whereby refuse will be urged between the drum and the lower wall, rolled and compacted, and forced through said passage into the truck body.

2,573,271

ROADABLE AIRCRAFT

Adolph R. Perl, San Diego, Calif.

Application June 30, 1947, Serial No. 758,959
4 Claims. (Cl. 244—2)



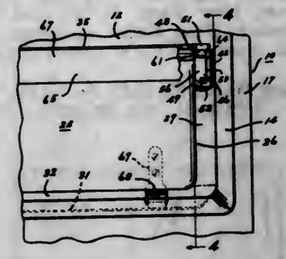
1. In an aircraft of the class described the combination of a fuselage having a longitudinally horizontally disposed slotted portion extending through opposite sides thereof, a pair of pivoted wings pivotally mounted on a substantially vertical axis, rearwardly of said slotted portion and movable into said slotted portion in superimposed spaced relation to each other, a propeller at the rear end of said fuselage having a hollow hub and a tail boom extending therethrough and nonrotatably mounted in said fuselage provided with upwardly diverging tail surfaces at the rear end thereof.

2,573,272

STORAGE DRAWER FOR REFRIGERATING APPARATUS

Carl F. Petkwits, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 21, 1947, Serial No. 762,236
2 Claims. (Cl. 312—342)



1. A refrigerator cabinet including a food storage compartment, said food storage compartment having an access opening in its front wall, a channel shaped in cross-section member secured to and extending along each side wall of said compartment in spaced relation to the compartment bottom wall, said channel members providing upper and lower horizontally spaced rails, a partition supported upon said upper rails, an open-topped receptacle positioned below said partition and cooperating therewith whereby the partition forms a cover for the open top of said receptacle, said receptacle having a flange extending outwardly from the upper portion of each side wall thereof into the channels formed by said members, means for supporting said receptacle in said position and for permitting the same to be moved outwardly away from said cover through the food compartment access opening comprising in combination, a roller within each channel formed by said members and mounted adjacent the food compartment access opening, said flanges on said receptacle being rollable upon said rollers and having a stop portion formed thereon for engaging said rollers and limiting the outward movement of said receptacle from said compartment, roller means secured to the rear portion of said receptacle and engaging said compartment bottom wall to cooperate with said rollers for supporting the receptacle in its said closed position within said compartment, said roller means being rollable along the bottom wall of said compartment when said receptacle is moved to an open position outwardly of its cover through said compartment access opening, said lower rails having non-metallic guide means associated therewith and lying along and adapted to be engaged by the upright side walls of said receptacle for preventing lateral movement thereof, and the rear portion of said flanges on said receptacle being engageable with said upper rails on said channel members upon engagement of said stop portion with said rollers for maintaining the receptacle in substantially a horizontal plane while it is extended outwardly of said compartment.

2,573,273

LOOM PICKER

Irving H. Porth, Paterson, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application January 3, 1948, Serial No. 443
1 Claim. (Cl. 139—159)



A loom picker formed of a molded vulcanized mixture of a rubbery interpolymer of butadiene and acrylonitrile and a hard normally inelastic resinous thermoplastic interpolymer of monomers consisting of from 65 to 80% of styrene, from 20 to 35% of acrylonitrile and from 0 to 15% of butadiene, and loose fibrous nylon uniformly distributed therethrough, the mixture containing from 30 to 70% of said rubbery interpolymer and correspondingly from 70 to 30% of said resinous interpolymer and containing from 5 to 25% of said loose fibrous nylon, said percentages being by weight based on the sum of the weights of said rubbery interpolymer and said resinous interpolymer.

2,573,274

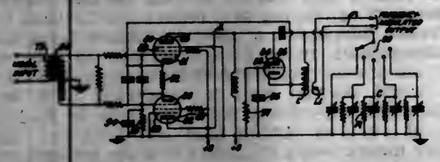
FREQUENCY MODULATION CIRCUIT

John A. Rankin, Chicago, Ill., and William R. Alexander, Upper Montclair, and Harmon B. Deal, Glen Ridge, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Original application August 2, 1943, Serial No. 497,000. Divided and this application October 31, 1949, Serial No. 129,946
4 Claims. (Cl. 250—40)

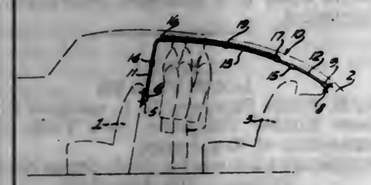
1. In a variable reactance: an inductance, a capacitor and a resistor in series, two electron discharge devices each having an anode, a cathode and a control grid, means connecting the two anodes together and to the junction point of said inductance and capacitor, means con-

necting the two cathodes respectively to the ends of said resistor, means connecting the control grid of the first device to the cathode of the second device, means connecting the control grid of



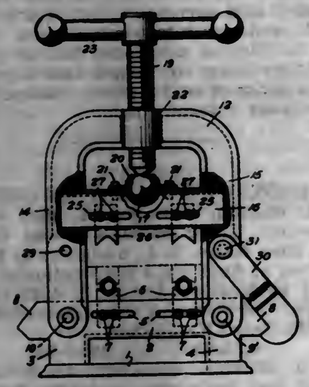
the second device to the cathode of the first device, and connections for applying alternating current to said junction point, whereby the device impedances simulate reactances of opposite sign.

2,573,275
CLOTHES HANGER FOR AUTOMOBILES
Kenneth A. Richey, Long Beach, Calif.
Application April 14, 1949, Serial No. 87,525
2 Claims. (Cl. 224—29)



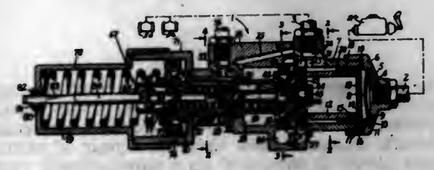
1. A clothes support for automobiles including a socket, means securing said socket to the front seat of the automobile, a second socket, means securing the second socket at the rear of the automobile, and a supporting rod fitting in both of said sockets and extending longitudinally of the automobile and adjacent the roof, a spring mounted on said rod and means on the rod engageable by the spring to limit endwise movement of the spring.

2,573,276
MULTIPLE-JAW PIPE VISE
Clark L. Roberts, Nampa, Idaho
Application June 29, 1950, Serial No. 171,041
2 Claims. (Cl. 81—33)



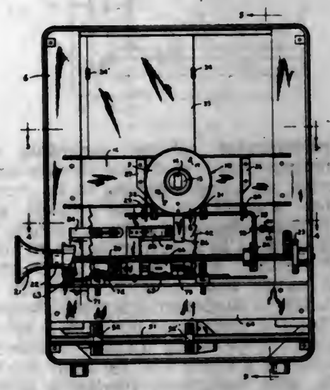
1. In a multiple jaw vise, a base, a lower fixed frame element of inverted U-form carried by the base, said frame including an elongated medial horizontal portion, jaw members carried by said medial portion and adjustable along its axis of elongation, an inverted U-shaped upper vise section including a web portion and elongated vertical leg portions, a jaw carrier slidably engaging said elongated legs, said jaw carrier being provided with jaw members adjustable along a longitudinal axis of the jaw carrier, and a screw element extending through a central portion of said web portion and connected to said jaw carrier for vertically adjusting the latter.

2,573,277
POWER INTENSIFIER
Edward A. Rockwell, Cleveland, Ohio
Application March 30, 1944, Serial No. 528,803
16 Claims. (Cl. 60—54.6)



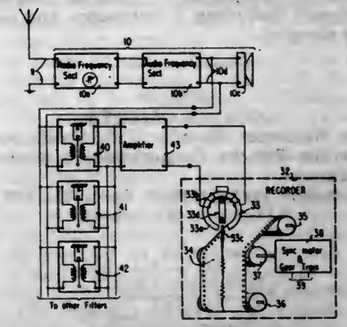
7. An apparatus comprising an inlet for a fluid under pressure, an inlet for a fluid to be placed under pressure, a power intensifier having a large piston for receiving the first mentioned fluid under pressure and a power intensifying piston connected thereto for placing the second mentioned fluid under pressure, a plunger valve in said intensifier having inlet and outlet valve elements for said fluid under pressure, said plunger valve being subject to control by the incoming fluid to be placed under pressure, and manual means located outside the apparatus for adjusting the opening point of said inlet valve.

2,573,278
PHOTOGRAPHIC APPARATUS
Walter Rowe, New York, N. Y., and Cyrus M. Adler, Beverly Hills, Calif., assignors to Cinex, Inc., New York, N. Y., a corporation of New York
Application March 21, 1947, Serial No. 736,132
4 Claims. (Cl. 95—37)



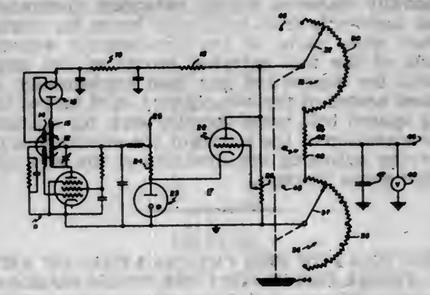
1. In a camera for exposing a number of separate areas of a light sensitive sheet in sequence, the separate areas being aligned in a plurality of horizontal rows, said camera having a lens assembly comprising a lens and spacer means including a light excluding tubular shield, fixedly attached to said lens at one end and adapted to bear against the sensitive material at the other end and means for resiliently forcing the lens assembly toward the sensitized material, the improvement which comprises a carrier for the sensitized material, a plate adapted to move horizontally and adapted to hold the sensitized-material carrier in a plurality of vertical positions, a plurality of horizontally arranged ratchet stops on said plate, resilient means tending to force the plate in one horizontal direction, a first and horizontally movable pawl means for registering with said horizontally arranged ratchet stops, means for moving the pawl means to force the plate to move against the action of the resilient means, a second and stationary pawl means registerable with said ratchets adapted to hold the plate in any one of a number of horizontal positions a rotatable shaft having a first cam thereon adapted to move the lens assembly away from the sensitive sheet, a second cam adapted to move said first pawl means horizontally the distance of one row after the first cam has moved the lens assembly away from the sensitive sheet, and means actuated when said plate is moved past the last horizontal position adapted to disengage said pawls and hold the lens assembly out of contact with said sensitive sheet until the said plate together with the sensitized sheet carrier is moved all the way back to the first horizontal stop.

2,573,279
SYSTEM OF DETERMINING THE LISTENING HABITS OF WAVE SIGNAL RECEIVER USERS
Sergo A. Scherbatskoy, Tulsa, Okla.
Application November 9, 1946, Serial No. 709,017
5 Claims. (Cl. 346—37)



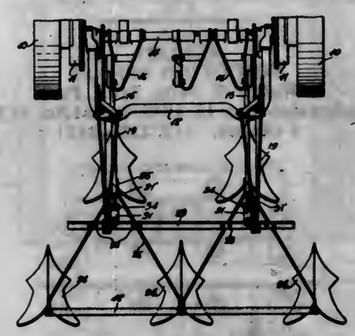
3. In a system for determining the audience popularity of particular programs radiated as signal modulated carriers from different wave signal transmitters during the same or different time intervals, transmitters for radiating said signal modulated carriers, means for further modulating the signal modulated carried outputs of said transmitters with predetermined and substantially non-audible signals capable of being transmitted through the audio frequency channels of wave signal broadcast receivers and uniquely identifying said particular programs, a plurality of wave signal receivers each selectively tunable to receive signals radiated from at least a portion of said transmitters and provided with an audio frequency channel, a recorder coupled to the audio frequency channel of each of said receivers for recording said predetermined signals in phonographically reproductible form when the receiver is tuned to receive any one of said particular programs, and means included in the coupling path between each of said recorders and its associated receiver for preventing the recorder from recording program signal voltages appearing in the audio frequency channel of the receiver concurrently with one of said predetermined signals.

2,573,280
CONTINUOUSLY VARIABLE HIGH-VOLTAGE POWER SUPPLY
Lothar M. Schmidt, Syracuse, N. Y., assignor to the United States of America as represented by the Secretary of the Navy
Application February 14, 1951, Serial No. 210,926
5 Claims. (Cl. 201—48)



1. In a resistance proportioning network, first and second variable resistances, a potentiometer having a resistance element and a slidable contact, means for controlling said first and second variable resistances simultaneously in opposite senses, and circuit means connecting said variable resistances to respective ends of said resistance elements, whereby the sum of the resistances of said first and second resistances remains constant and said slidable contact provides a vernier adjustment of said variable resistances.

2,573,281
LISTER ATTACHMENT
Charles F. Schumacher, Munday, Tex.
Application July 14, 1947, Serial No. 760,807
1 Claim. (Cl. 97—129)



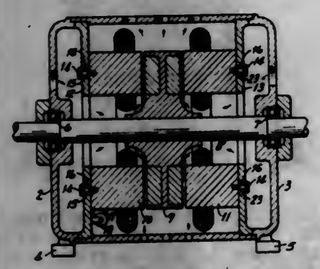
In an attachment for a farm implement having tool carrying beams, the combination which comprises a plurality of tool carrying horizontally disposed beams having downwardly extended rear ends on which cultivator shoes are carried, inverted U-shape frames with diagonal braces in the corners thereof positioned between the down-

wardly extended rear ends of the beams of the attachment and on which the said cultivator shoes are carried, means securing the ends of the frames to the beams whereby the downwardly extended rear ends of the beams are supported in upright positions, the forward ends of said beams having attaching means thereon for connecting the beams to the tool carrying beams of the implement, the said tool carrying beams of the attachment extended diagonally laterally from the points of attachment thereof with the tool carrying beams of the implement whereby cultivator shoes carried thereby are positioned in staggered relation to cultivator shoes of the beams of the implement, a cross beam spaced toward the rear from the forward ends of the beams of the attachment extended over and secured to the diagonally disposed sections of the beams, and diagonally disposed braces extended downwardly and forwardly from said cross beam for engagement with parts of the downwardly extended ends of the tool carrying beams of the implement for supporting the said horizontally disposed beams of the attachment, said braces having spaced bolt holes therethrough for adjusting the elevation of the beams of the attachment and thereby adjusting the elevation of the said cultivator shoes thereon.

2,573,282
PROCESS FOR THE PREPARATION OF ARTIFICIAL CRYOLITE FREE FROM SILICA
Franco Sciacca and Luigi Notarbartolo, Milan, Italy, assignors to Montecatini Societa Generale Per L'Industria Mineraria E Chimica Anonima, a corporation of Italy
No Drawing. Application February 27, 1948, Serial No. 11,248. In Italy February 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires February 5, 1964
3 Claims. (Cl. 23—88)

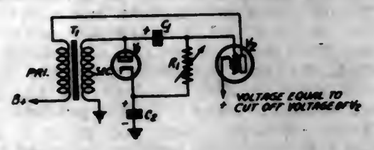
1. Method of producing artificial cryolite by reaction between an impure solution of sodium fluoride containing silica and a solution of aluminum fluoride, in which method the sodium fluoride solution containing the silica as an impurity is first acidified to a pH value of about 3.5 and then the two solutions are admixed with each other to cause reaction between them, with production and precipitation of solid cryolite, and the cryolite is then removed as a precipitate substantially free of silica.

2,573,283
INDUCTION MOTOR
Walter T. Seitz, Etna, Pa.
Application May 19, 1949, Serial No. 94,181
4 Claims. (Cl. 318—243)



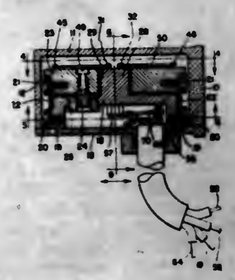
1. A rotary induction motor comprising a housing, a rotor mounted for rotation in said housing, two stators mounted in the housing with one positioned on each side of said rotor, one of said stators movable about the axis of said rotor, a primary motor winding in the first stator, a secondary winding in the first stator inductively coupled with said primary motor winding, a winding in said second stator, a reactance, and a circuit connecting said reactance and said secondary winding and the winding in the second stator in a closed circuit.

2,573,284
OSCILLATOR
Hubert R. Shaw, Drexel Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application October 16, 1948, Serial No. 54,936
6 Claims. (Cl. 250—36)



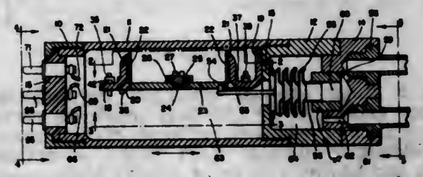
5. An oscillator comprising in combination a tube having an anode and control electrode, an electrical coupling between said control electrode and anode polarized to produce oscillation of said tube, said coupling including a transformer having a primary and a secondary, a condenser connected serially between said transformer secondary and said control electrode, said transformer secondary having connected in parallel therewith a series circuit of a unidirectional current device and a capacitive element, the capacity of said capacitance element being large with respect to the capacity of said condenser, said control electrode having connected in parallel therewith a series circuit including a resistance and said capacitive element.

2,573,285
ACCELEROMETER
Louis D. Statham, Beverly Hills, Calif., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 10, 1945, Serial No. 587,630
8 Claims. (Cl. 264—1)



7. In an accelerometer, an element for mounting on an object whose acceleration is to be measured, a movable inertia element mounted for movement relative to the first-mentioned element constrained substantially to a predetermined line, one said element having an opening extending therethrough in a direction normal to said line and the other said element having a part extending through said opening, and said one element and said part of said other element having substantially coplanar face portions substantially parallel to said line, first wire support means extending from such face portion of said part, second and third wire support means extending from such face portions of said one member, said second and third wire support means being in oppositely spaced relation in the direction of said line from the first wire support means, at least one strain wire tensioned between said first and second wire support means, and at least one strain wire tensioned between said first and third wire support means.

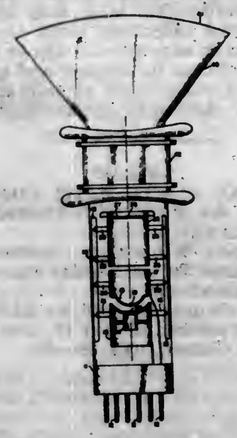
2,573,286
STRAIN GAUGE MEASUREMENT INSTRUMENT
Louis D. Statham, Beverly Hills, and Carlos J. Baker, Los Angeles, Calif., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 10, 1945, Serial No. 587,631
25 Claims. (Cl. 73—398)



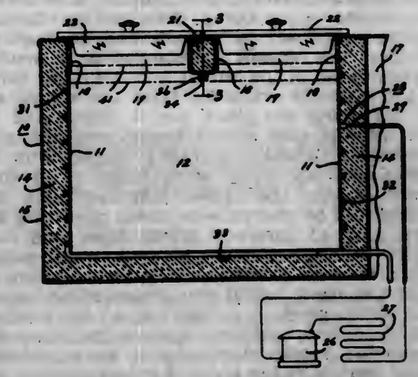
9. In a measuring instrument, a stationary member, a movable member, means supporting the movable member relative to the stationary member constrained to a path substantially parallel to the line of application to the movable member of the force or motion to be measured, said supporting means comprising a pair of substantially parallel leaf springs disposed in planes substantially normal to said line, a plurality of wire supporting elements extending from said movable member and a plurality of wire supporting elements extending from said stationary member, all of said elements extending in the same direction, and a plurality of strain wires each extending in tension between one such element on the movable member and one such element on the stationary member, and with the ends of the wires anchored to said stationary member, one pair of said wires being arranged to be further tensioned upon movement of the movable member in one direction and another pair of said wires being arranged to be further tensioned upon movement of the movable member in the opposite direction, the spans of each pair of wires between said supporting elements being in substantial symmetry relative to said line of application of force or motion, and the wires being electrically connected in arms of a Wheatstone bridge circuit with each wire of one pair arranged in an arm of the bridge circuit that is adjacent to each other arm that contains a wire of the other pair.

2,573,287
ELECTRON GUN FOR CATHODE-RAY TUBES
Constantin S. Szeghe, Chicago, Ill., assignor to The Rauland Corporation, a corporation of Illinois
Application June 23, 1950, Serial No. 169,995
5 Claims. (Cl. 313—81)

1. A cathode-ray tube of the image-reproducing type comprising: a fluorescent screen supported within said tube at one end of an electron-discharge path; magnetic deflection elements for scanning an area of said screen with a cathode-ray beam developed at the opposite end of said tube and which beam is subject to produce positive ions therein in its travel to said screen; a cathode electrode supported at said opposite end coaxially with respect to said discharge path and having an electron-emissive surface extending transversely of said path but with a centrally-located non-emissive portion exposed to said path to receive said positive ions attracted to said surface along said path; and an electrode system mounted within said tube surrounding said path and disposed between said cathode and said screen for forming electrons emitted from said surface of said cathode into a beam and for accelerating said beam along said path.



2,573,288
REFRIGERATING APPARATUS
Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 24, 1949, Serial No. 95,018
4 Claims. (Cl. 62—89)



4. A refrigerating apparatus comprising in combination, a cabinet including a bottom and upright walls forming an open top compartment therein, said cabinet having a mullion extending transversely across the open top of said compartment and forming access openings thereto

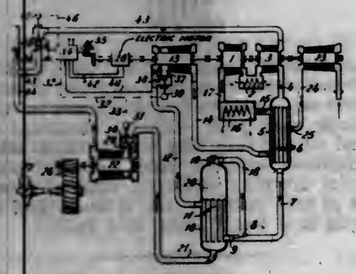
one on either side of said mullion, a closed refrigerating system associated with said cabinet including a refrigerant translating unit and an evaporator, said evaporator being in the form of conduit convolutions contacting and extending over a plurality of said upright walls of the compartment and maintaining the interior thereof at a temperature below freezing, and said evaporator including a conduit portion connected in series flow relationship with said conduit convolutions thereof extending along the underside of said mullion in exposed relation to the interior of said compartment for cooling and effecting the formation of a buffer layer of cold stratified air across the top portion of the compartment.

2,573,289

GAS TURBINE PLANT WITH CONTROLLER OF STAGE BY-PASS IN TURBOCOMPRESSOR AUXILIARY

Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland

Application February 16, 1945, Serial No. 578,299
In Switzerland May 19, 1944
4 Claims. (Cl. 60—49)



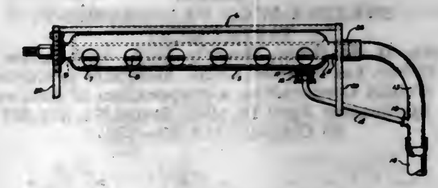
1. In a gas turbine plant having a circuit for working medium closed off from the atmosphere from which circuit a quantity of working medium is continually extracted and into which a substantially constant make-up quantity is continually introduced and which plant includes a compressor for compressing the working medium flowing round in the circuit, and at least two turbines, one driven by the working medium flowing round in the circuit and the other driven by the quantity extracted from the circuit and one delivering the plant useful output and the other driving said circuit compressor, the combination including a plurality of stages in the turbine driving said compressor, a by-pass around at least one of said stages, a valve controlling said by-pass, a servomotor operating said valve, a speed governor driven from said compressor-driving-turbine, a manual output-setting control for said governor, and a servo-system for regulating plant useful output controlled by said governor to produce equilibrium at the level set by said control, said servo-system including said servomotor, means responsive to an adjustment of said control in the sense of increasing the useful output, for initiating a primary regulating action to reduce the quantity of working medium extracted from said circuit and thus to increase the quantity of working medium delivered to said compressor-driving turbine and means for following said primary regulating action, if the effect thereof is insufficient to increase the speed of said compressor-driving-turbine to the new equilibrium level within a predetermined time, by a secondary regulating action causing said servomotor to actuate said valve in the sense to open said by-pass.

2,573,290

FUME EXHAUST MANIFOLD

Walter Van Guilder, River Forest, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois

Application March 31, 1948, Serial No. 18,270
5 Claims. (Cl. 230—95)



1. A fume exhaust manifold for collecting fumes generated by chemical processes carried out in necked vessels comprising, in combination, an elongated tubular hood closed at opposite ends and having a series of longitudinally spaced openings for receiving the necks of the vessels, a tubular element of smaller cross sectional area than said hood extending longitudinally through the hood, said element communicating with the interior of said hood adjacent one end thereof, a nozzle arranged to direct a jet of fluid into said element at said one end thereof to create a suction effective to draw fumes from the hood into the element, said fluid serving additionally to reduce the temperature of said element and thereby effect a condensation of a portion of the fumes collected in said hood, and a conduit connected with the hood for draining the condensate therefrom.

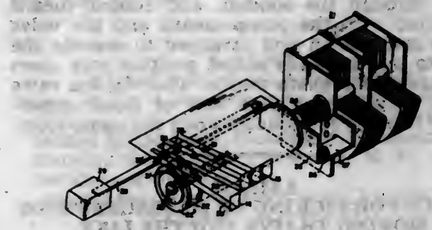
2,573,291

AUTOMATIC STATION INDICATING DEVICE

Otto E. Wagenknecht, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois

Application June 16, 1949, Serial No. 99,511
4 Claims. (Cl. 116—124.1)

1. An automatic station-indicating device for use in conjunction with adjustable tuning means in a radio receiver and the like comprising: a shaft mechanically coupled to said tuning means for rotation upon adjustment of said tuning means; a plurality of cam members frictionally mounted on said shaft and individually having a peripheral slot formed therein for respectively indicating predetermined angular positions of said shaft; a plurality of disc members mounted on said shaft for spacing said cam members from one another; spring means for releasably urging said disc members and said cam members into firm engagement one with the other to prevent rotation of said cam members relative to said shaft; an arm supported for reciprocal movement and coupled to said spring means for releasing said spring means from said disc members and cam members to permit angular adjustment of said cam members relative to said shaft; a corresponding plurality of indexing members supported respectively by the peripheries of said cam members for selective movement upon engagement with said slots; a plurality of strips bearing station-identifying indicia; and a plurality of masks normally masking said strips and



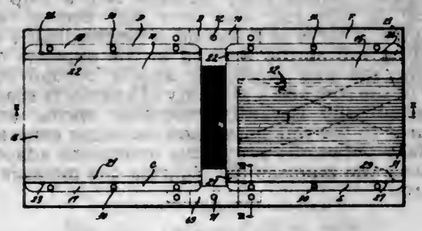
mechanically coupled to respective ones of said indexing members to reveal said station-identifying strips upon selective movement of said indexing members.

2,573,292

FUR CUTTING APPARATUS

Emil E. Yost, Chicago, Ill.

Application October 13, 1945, Serial No. 622,136
17 Claims. (Cl. 164—38)



1. In a fur cutting machine, a plurality of oscillatable blades arranged at equal distances apart for cutting a pelt into a plurality of strips of equal widths, said blades having spaced parallel legs, a supporting shaft having a plurality of equally axially spaced surface grooves to receive said legs, a second shaft below said first shaft having a plurality of similarly spaced grooves to receive said legs, the bottoms of adjacent grooves of said second shaft being eccentrically arranged with respect to the shaft axis to oscillate said blades on said first shaft as said second shaft is rotated, and means for rotating said second shaft.

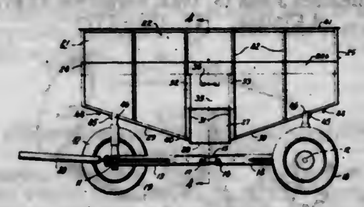
2,573,293

WAGON BOX

Ervin Franz Zuber, Mount Vernon, Iowa

Application March 4, 1946, Serial No. 651,806
5 Claims. (Cl. 298—7)

1. In a farm vehicle, a chassis including a forward axle, a pair of forward wheels, a rear axle, a pair of rear wheels and a tie-bar connecting and spacing said axles, a vehicle box having a discharge opening midway the length thereof, the said box having bottom members slanting downwardly from the ends of the box toward the discharge opening, a bolster mounted generally above each end of the supporting chassis for engaging the slanting bottom members of the box, means for adjusting the length of the tie-bar to adjust the relative distance between the bolsters



for selectively supporting the said box and its discharge opening at various heights relative to the ground, and a plurality of bolster guides projecting from the undersides of the bottom members and selectively engageable with the bolsters.

2,573,294

METHOD OF STABILIZING HYDROCARBONS AND REAGENTS THEREFOR

Joseph Ackerman, Jr., and Charles W. Moberly, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application June 2, 1947, Serial No. 752,002
22 Claims. (Cl. 202—57)

1. A method for stabilizing hydrocarbon material against deterioration, which comprises incorporating in such hydrocarbon material a small portion of the reaction product obtained by the interaction of a phenolic material and a salt of a high molecular weight fatty acid having at least 16 carbon atoms per molecule in which the cation of said salt is selected from the group consisting of stannous, chromous, cobaltous, cuprous and ferrous ions.

2,573,295

BEAD TRIMMER

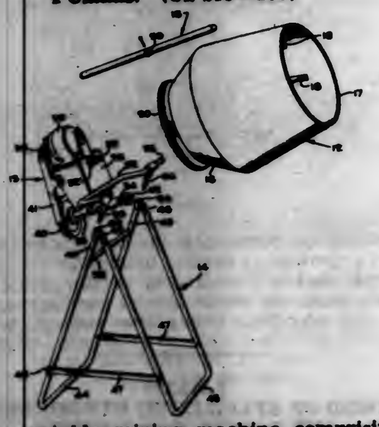
Ernst W. Allardt, Alliance, Ohio, assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania

Application February 15, 1946, Serial No. 647,851
7 Claims. (Cl. 90—24)



1. An inside bead trimmer for severing a bead from a welded tube, said bead trimmer including an elongated body adapted to be disposed within the tube so as to permit relative longitudinal motion between the tube and the body, a bead cutter normally fixed to said body, and laterally spaced equally spring loaded rollers rotatably mounted on said body adjacent said cutter and laterally on either side thereof to engage opposite lateral portions of the inner surface of the tube to guide the cutter along the weld bead and stabilize its operation.

2,573,296
PORTABLE MIXING MACHINE
Perry Arant, San Gabriel, Calif., assignor to El Sereno Machine Works, Azusa, Calif., a corporation of California
Application June 18, 1948, Serial No. 33,879
4 Claims. (Cl. 259—177)



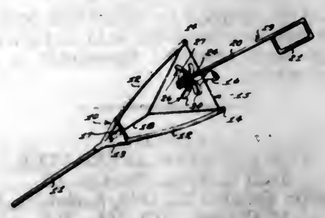
1. A portable mixing machine comprising a mixing barrel, a driving mechanism, a shaft, means on said barrel for detachably securing said barrel to one end of said shaft coaxially therewith, means on said driving mechanism for rotatably supporting the other end of said shaft, gears on said barrel and on said driving mechanism adapted to mesh when said shaft is so supported by said driving mechanism and said barrel is so secured thereto, a stand having spaced upwardly extending tubular members open at their upper ends, journal boxes each having a member adapted to be inserted in one of said open upper ends, and means secured to said driving mechanism and journalled in said journal boxes for tiltably supporting said driving mechanism and said barrel as a unit on said stand, said journal boxes being so disposed with respect to the center of gravity of said unit when said barrel contains a normal charge of mix that said barrel is urged by gravity to assume a mix-retaining inclination.

2,573,297
PUMPING SYSTEM
Edward B. Atkinson, Steubenville, Ohio, assignor to National Steel Corporation, a corporation of Delaware
Application March 18, 1948, Serial No. 15,593
6 Claims. (Cl. 103—46)



1. In a liquid pumping system, a conduit extending from a lower inlet end to an outlet end at a higher elevation, pump means arranged to pump liquid upwardly through the conduit between the pump and the outlet end, valve means associated with the conduit for controlling the flow of liquid through the conduit, said valve means being operable to an open position in which the valve means permits substantially unrestricted flow of liquid through the conduit and being operable to a partially closed position in which valve means permits restricted flow of liquid through the conduit, and control means associated with the pump means and the valve means constructed and arranged to operate the valve to said partially closed position only upon stoppage of the pump means, whereby the valve means permits restricted flow of liquid downwardly through the conduit when the pump stops.

2,573,298
DEVICE FOR PICKING UP MESSAGES FROM MOVING TRAINS AND THE LIKE
William J. Aultz, Overton, Nebr.
Application November 16, 1949, Serial No. 128,033
2 Claims. (Cl. 258—3)



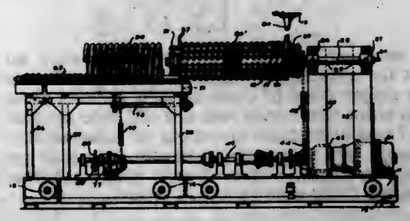
1. A message pick-up device, comprising an elongated substantially straight rod, a loop secured to the rod near one end thereof and adapted to serve as a handle, a longitudinally extending coil spring secured to the opposite end of the rod and projecting axially beyond such end of the rod, and a plurality of angularly spaced longitudinally inwardly extending spring arms secured to the coil spring and including generally radially outwardly projecting extensions adapted to snag the message for securing the message to the rod.

2,573,299
INJECTOR
Vincent J. Bast, Manitowoc, Wis.
Application May 11, 1948, Serial No. 26,399
1 Claim. (Cl. 137—165)



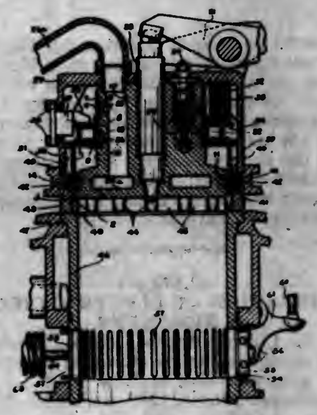
A device of the character described, including a liquid storage tank, a rubber diaphragm disposed longitudinally of and interiorly of said tank dividing the storage tank into a lower liquid storage chamber and an upper pressure chamber, a main pipe associated with the pressure chamber through which liquid under pressure is directed, a liquid inlet pipe connected between the pressure chamber of said tank and said main pipe, check and control valves connected with said liquid inlet pipe, an injector pipe connected between said liquid storage chamber and said main pipe, the discharge end of said injector pipe being disposed in the direction of flow of water through the main pipe, and a flared guard member fitted within the discharge end of the injection pipe, the flared guard member extending sufficiently beyond the injector pipe in a radial direction and so constructed as to divert flow in a reverse direction in the main pipe from said injector pipe.

2,573,300
GLASS FORMING APPARATUS
Amos Alphonse Beaumariage, Central Falls, and William Roy Wisner, Pawtucket, R. I., and Stuart M. Dockerty, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 10, 1946, Serial No. 668,902
3 Claims. (Cl. 49—7)



1. In combination, an elongated tubular member, a plurality of rotative members arranged in a row substantially concentric to the axis of the bore of said member and having their own axes angularly disposed with respect to the bore of said first member, nozzles extending from side openings in said first member directed toward spaces between said rotative members, and means for connectnig the bore of said tubular member with a fluid supply line.

2,573,301
VALVE MEANS FOR INTERNAL-COMBUSTION ENGINES
Martin J. Berlyn, Enfield, Conn.
Application November 23, 1948, Serial No. 61,671
3 Claims. (Cl. 123—188)

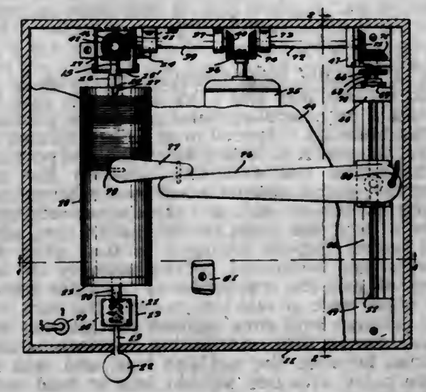


1. A valve for an internal combustion engine having a light weight, thin walled cylindrical cuff, a guiding bore for said cuff, a cylinder having a sealing seat adapted to be engaged by said cuff when said cuff is in closed position, means for securing positive actuation of said cuff, said cuff being mounted for rotation and reciprocation and means for effecting rotation during the reciprocation of said cuff, said cuff having an inwardly turned lip with a seating face adapted to engage said seat on said cylinder to close said cuff, the diameter of said sealing seat being less than the diameter of the guiding bore of said cuff whereby the pressure bias urges said cuff towards closed position.

2,573,302
PRODUCTION OF ORGANO-SILICON DERIVATIVES
Auguste Florentin Bidaud, Serezin-du-Rhone, and Pierre Dumont, Lyon, France, assignors to Societe des Usines Chimiques Rhone-Poulenc, Paris, France, a French body corporate
No Drawing. Application September 16, 1947, Serial No. 774,418. In France July 23, 1947
1 Claim. (Cl. 260—448.2)

A process for the production of individual methylsilyl acetates from a mixture of at least two methylchlorosilanes selected from the group consisting of monomethyltrichlorosilane, dimethyldichlorosilane and trimethylchlorosilane, which comprises reacting said mixture with an anhydrous salt of acetic acid to form a mixture of the corresponding methylsilyl acetates the individual components of which have markedly different boiling characteristics, and separating by selective distillation the individual methylsilyl acetates from the mixture thus produced.

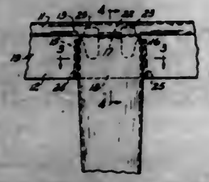
2,573,303
RECORDING ROLL MESSAGE DEVICE
Paul Bozoky, Weirton, W. Va.
Application April 13, 1948, Serial No. 20,702
2 Claims. (Cl. 274—17)



1. In a sound recording and reproducing apparatus, a base adapted to be supported on a horizontal surface, a first standard arranged adjacent one end of said base and fixedly secured to the latter, a horizontally disposed stud shaft mounted on said standard for rotation about a horizontal axis, a second standard arranged in parallel spaced relation with respect to said first-named standard and fixedly supported on said base, a second horizontally disposed stud shaft arranged in aligned relation with said first named stud shaft and rotatably supported on said second-named standard, a cylinder disposed between said stud shafts, means on one end of said first-named stud shaft and engaging the adjacent end

of said cylinder for rotatably supporting said end on said standard, a recording tablet supported on said cylinder, means on one end of said second-named stud shaft and engaging the adjacent end of said cylinder for rotatably supporting said end on said second standard, a rod member positioned in aligned relation with the other end of said second named stud shaft and movable into and out of engagement with said other end, resilient means circumposed about said rod member and operatively connected to said second named stud shaft for normally urging the latter toward said first-named stud shaft, screw feed means arranged in parallel spaced relation with said cylinder and mounted for rotation about a horizontal axis, a support, mounting means connected to said support and engageable with said screw feed for mounting said support for movement along said screw feed, a pick-up arm having one end carried by said support, transducer means on the other end of said pick-up arm in engagement with said recording tablet, a gear carried by the other end of said first-named stud shaft, and a driving mechanism operatively connected to said screw feed means and said gear for effecting rotation of the latter.

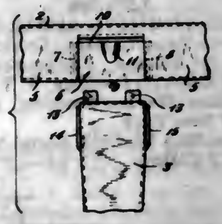
2,573,304
LEG LOCK CONSTRUCTION FOR METAL TABLES
Benjamin B. Bronstein, Shaker Heights, Ohio
Application August 11, 1949, Serial No. 109,662
7 Claims. (Cl. 311—110)



1. A metallic table structure in which is included a top, legs and a leg brace, the said top having a peripheral downturned flange provided with a plurality of spaced inset sockets formed integral therewith including faced channel portions, a horizontal slot extending between the said channels and a tongue positioned intermediate said channels at said slot, the upper end portions of said legs being provided with ears, stops and lateral flanges arranged so that when the flanges are positioned correspondingly in said channels and the undersides of the stops engage the upper ends of said tongues and the ears project through said slots against the interior wall of said flange, thus establishing interlocking connection between the top and legs, and said leg brace being attached to said legs to hold same in interlocking position.

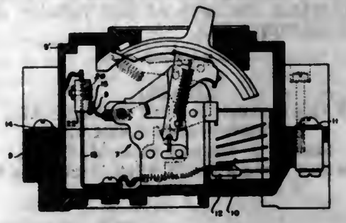
2,573,305
LEG LOCK CONSTRUCTION MEANS FOR METAL TABLES
Benjamin B. Bronstein, Shaker Heights, Ohio
Application October 14, 1950, Serial No. 190,112
1 Claim. (Cl. 311—110)

A metallic table structure or the like, comprising in combination, a generally horizontal sheet metal top including a peripheral flange having a downwardly extending lower portion, the said flange having a plurality of circumferentially extending slots formed therein and a plurality of inset sockets formed integral therewith, one socket being provided below each of the said slots, each of the said sockets including leg edge engaging means and having an exposed upper edge at the said slot; and a leg for each of said sockets, said leg having its upper portion offset to provide an inwardly extending stop and having laterally extending side edges, an inwardly extending protuberance being provided on each of the stops



on said legs and a protuberance having an outwardly extending upper edge being formed on the upper edge of each of said sockets to engage said stops when said legs are slid into said sockets, said protuberances engaging by substantially line contact when said legs are slid into said sockets, and the upper edges of said sockets being continuous from side to side thereof.

2,573,306
ELECTRIC CIRCUIT BREAKER
Robert T. Casey, Bristol, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application August 11, 1948, Serial No. 43,585
7 Claims. (Cl. 200—88)

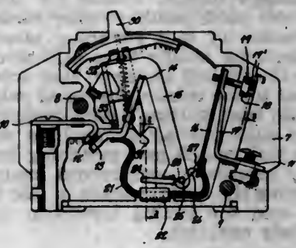


1. Automatic release mechanism for a circuit breaker including a trip member, a bimetal strip anchored at one end and movable at the other end when overheated, a magnet embracing at least one surface of the strip, an armature coacting with the magnet, a headed screw stud passing through the armature, strip and magnet, a spring on said stud between the strip and the armature and a catch carried by said armature and coacting with said trip member.

2,573,307
CALIBRATION OF ELECTRIC CIRCUIT BREAKERS
Robert T. Casey, Bristol, Conn., assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application May 3, 1949, Serial No. 91,985
9 Claims. (Cl. 200—116)

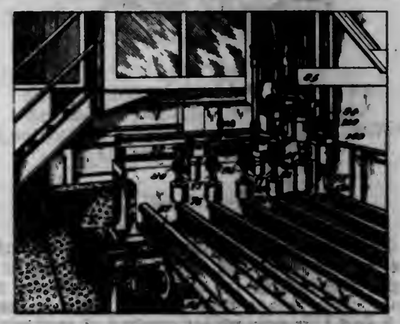
6. In a circuit breaker having a stationary contact and a cooperating movable contact, a manually movable operating member for moving said movable contact to open and closed circuit positions, means including a current-responsive member for releasably restraining said movable contact in closed circuit position, an insulating

housing enclosing all of the aforesaid parts other than the manually engageable portion of said operating member, and control means for adjustably positioning at least a portion of said restraining means, said control means including a calibrating screw having a main threaded portion having a threaded engagement with said portion of said restraining means, and a head portion larger in diameter than said main threaded portion, said insulating housing comprising two cooperating sections, the meeting



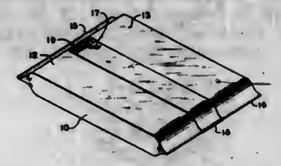
faces of said cooperating sections having recesses therein adapted to closely surround said enlarged head portion of said calibrating screw when in assembled position so as to prevent substantially all movement of said calibrating screw other than rotational movement, and an opening from the exterior of said housing communicating with said recesses so as to permit rotation of said calibrating screw from the exterior of said housing even though said cooperating sections are in assembled relation.

2,573,308
END HARDENING OF RAILS
Alan C. Chamberlin, Bethlehem, and Russell M. Weigle, Steelton, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
Original application April 9, 1947, Serial No. 740,344. Divided and this application April 2, 1948, Serial No. 18,518
2 Claims. (Cl. 148—21.56)



1. In a method of heat treating the ends of rails, the steps of disposing the rails in substantial parallelism with the heads of the rails equally spaced, advancing the rails in unison in a direction transverse of the lengths of the rails, disposing a plurality of preheating flames and a final heating flame of higher temperature equally spaced along the path of the ends of the rails whereby the advance of the rails brings them successively into heat interchanging relationship with such flames, intermittently interrupting the advance of the rails for a time interval when the rail end portions are in such heat interchanging relationship with the flames whereby the rail end portion of each rail is successively preheated by such preheating flames to bring a substantial mass of the metal of the end portion of each rail to a high temperature but below the critical range and the tread portion of each rail is raised above the critical range by said final heating, high temperature flame, and quenching the tread portion of each rail.

2,573,309
TISSUE PACKAGE
Edward A. Chipkevich, Hazleton, Pa.
Application February 26, 1947, Serial No. 730,946
1 Claim. (Cl. 206—57)



A package of folded tissues which is adapted to be carried conveniently in a purse or pocket, said package comprising a single rectangular sheet of flexible moisture-proof material folded so as to enclose a stack of the tissues snugly on the top, bottom and sides of the stack and so as to overlap for the entire length of the package along the center of the top thereof, the folded sheet projecting well beyond the ends of the stack and the layers of the projecting ends being united leaving the overlapping edges between said united ends free so as to permit free ingress to said package, and a strip of flexible material having an adhesive coating on one side secured on one end to one of said projecting ends and overlying said overlap and held by its adhesive coating to the sheet on each side of said overlap, the opposite end of said strip being free of adhesive and forming a tab which may be grasped by the fingers to peel the strip off the package to expose the overlap and give access to the contents of said package.

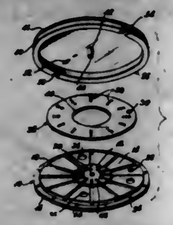
2,573,310
EMERY BOARD
Sherman T. Collier, Miami, Fla.
Application August 1, 1947, Serial No. 765,321
2 Claims. (Cl. 132—76.4)



1. A new article of manufacture comprising a manicuring board having at least one flat surface, said surface being provided with spaced parallel longitudinal grooves, said grooves opening through opposite transverse ends of the board, said surface being coated with an abrasive medium, said grooves being V-shaped in cross section, straight from end to end and the diverg-

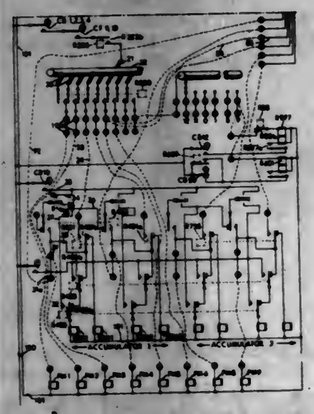
ing walls being flat and also coated with said abrasive medium, whereby to provide a plurality of flat abrasive surfaces for customary usage and selectively usable abrasive surfaced grooves for effectively filing and beveling the tip ends and inner and outer surfaces of the user's fingernails at one and the same time.

2,573,311
RECEPTACLE
John A. Cupler, II, Cumberland, Md.
Application October 18, 1946, Serial No. 703,960
11 Claims. (Cl. 206—16)



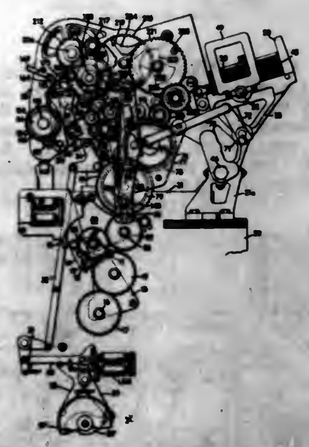
10. A receptacle for slender articles having sharpened tips comprising a body containing a plurality of radial pockets accessible from the periphery of said body, said pockets having stepped reduced inner ends to receive said tips, a cover pivotally mounted with respect to said body, a skirt depending from said cover for closing the outer ends of said pockets, said skirt containing an opening for selective registry with the outer ends of said pockets.

2,573,312
COMBINATION OF CARD CONTROLLED MACHINES
Jonas E. Dayger, Binghamton, Orville B. Shafer, Owego, and Alvin E. Gray, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 9, 1949, Serial No. 103,812
7 Claims. (Cl. 235—61.6)



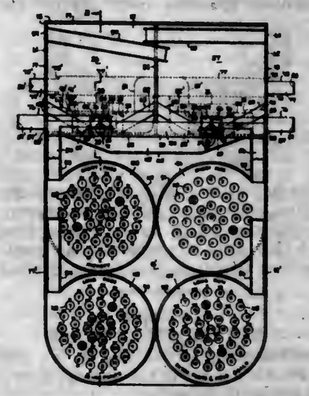
5. In apparatus of the class described, a cyclically operating tabulating machine including record reading means, accumulating means, printing means, means to control said accumulating means from said record reading means, and means to control said printing means from said record reading means or said accumulating means; a cyclically operating punch including means to feed records, means to punch a plurality of columns of the records in one machine cycle, and means to control said punching means; a calculating machine including means to store factors for calculation, means for performing calculations with said factors including multiplication thereof, and means to store the results of said calculations; means for transmitting factors from said record reading means to said factor storage means, means for transmitting results from said result storage means to the control means of said punching means, means for transmitting results from said result storage means to the control means of said accumulating means and to the control means of said printing means, said transmitting means including timing means in said tabulating machine and timing means in said punch and switching means controlled by records in said record reading means for rendering the timing means in said tabulating machine and the timing means in said punch alternatively effective.

2,573,313
RECORD CONTROLLED BILL PRINTING DEVICE
Jonas E. Dayger and Frederick S. Huling, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 7, 1950, Serial No. 154,696
13 Claims. (Cl. 235—61.7)



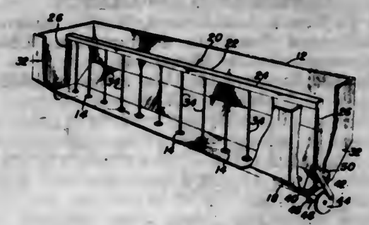
1. In a device for comparing the digital indicia on a pair of records for equality, means for sensing the indicia on one of the records, a set of four code relays representing digit values of 6, 3, 2 and 1, means under control of said sensing means for energizing said relays in combination, contacts operated by said relays, nine labyrinth circuits involving said contacts and made effective according to the digit sensed, an impulse emitter connected to said circuits, a pair of comparing relays, a second record sensing means operated in synchronism with said emitter and connected to one of said comparing relays, connections from the other of said comparing relays to said emitter, and means under control of said comparing relays for indicating equal or no-equal relations between the indicia of the pair of records.

2,573,314
FOOTBALL GAME APPARATUS
Vincent De Palma, East Haven, Conn.
Application June 29, 1949, Serial No. 102,021
11 Claims. (Cl. 273—94)



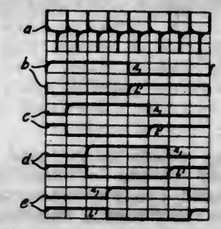
1. A game apparatus comprising a play-scoring area; a closed ball-receiver arranged above said play-scoring area and having a ball-inlet and a ball-outlet port; ball-conveying means connected at its upper end to the said ball-outlet port of said ball-receiver and at its lower end to said play-scoring area for delivering a ball thereto by gravity; and play-control means for controlling the egress of a ball from the said outlet-port of said ball-receiver to said ball-conveying means for scoring a play, said control-means comprising an apertured slide arranged between the said ball-outlet port of said receiver and the upper end of said ball-conveying means and operated by one player of said game, to select, without disclosure to a second player, any one of a plurality of offensive plays; and a second apertured slide arranged between the said ball-outlet port of said receiver and the upper end of said ball-conveying means and operated by a second player to select without disclosure to the other player, any one of a plurality of defenses against any one of said offensive plays.

2,573,315
AGITATOR FOR DRILL HOPPERS
Arthur W. Dericks, Columbus, Nebr.
Application June 14, 1949, Serial No. 98,910
1 Claim. (Cl. 222—200)



An agitator structure for seed drill hoppers having a bottom provided with a row of seed outlet openings, and a rotatable drive shaft extending longitudinally under said bottom, said agitator structure comprising an inverted substantially U-shaped member adapted to be positioned longitudinally in a hopper and affording a horizontal intermediate portion and a pair of downturned side portions, axially aligned trunnions provided at the lower ends of said side portions and rotatably journaled in opposite ends of the hopper whereby said member is adapted for forward and backward oscillatory movement, a row of resiliently flexible agitating rods secured to said intermediate portion and extending downwardly therefrom into the respective hopper openings, an actuating crank secured to one of said trunnions, a driving element adapted to be secured to the drive shaft, and a pitman arm operatively connecting said element to said crank whereby oscillatory movement may be imparted to said member.

2,573,316
COMMUTATOR
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 23, 1941, Serial No. 394,884
39 Claims. (Cl. 250—27)

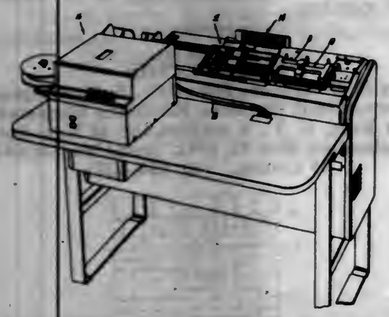


1. An electronic commutator comprising a plurality of elements; each element including at least a pair of electron emitting devices and each device of said pair including an anode, a cathode and a control grid, a resistor for each device, means connecting said resistor in series with the space current path of its associated device, the respective devices of each pair with its associated resistor being connected in parallel; conductive means interconnecting said elements into a closed chain, means responsive to a change in current flow through one device for altering the bias of the other device whereby the current flow through said other device is altered to produce a change of electrical condition, said conductive means transferring said change to another element of said chain, a source of repeated electrical pulses, similar in all electrical characteristics, and means for simultaneously applying said pulses to said devices, respectively, whereby one of said pulses is effective on one device of said element controlled by the change of condition transferred from another element.

2,573,317
CONSECUTIVE BLANK COLUMN DETECTOR
Charles R. Doty, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 13, 1950, Serial No. 173,662
5 Claims. (Cl. 164—115)

1. In a machine for perforating a record sheet under the control of a source record having columns of data designations interspersed with consecutive blank columns, the combination of means for reading the source record column-by-column and for producing an electrical impulse each time a blank column is read in the source record, first relay means controlled by said reading means and adapted to operate for a limited time in response to each blank column impulse, second relay means controlled by said first relay means and said reading means, said second relay means being adapted to commence operation in response to an initial operation of said first relay means and being thereafter main-

tained in operation by said reading means as long as consecutive blank columns continue to be read in the source record, delay means controlling said second relay means to delay the operation of said second relay means for a predetermined time interval after said first relay means commences operating in response to the first blank column impulse, functional means including a third relay means for causing said machine to perform a special function when



said third relay means is operated, and testing means effective during a time interval not greater than said predetermined time interval after said first relay means commences operating to test said first and second relay means for concurrent operation thereof, said testing means controlling said third relay means to cause operation thereof only when said first relay means and said second relay means are operating concurrently, whereby at least two consecutive blank columns must be read from the source record before said functional means will operate.

2,573,318
CHANGEABLE SIGN
John Dow, Lakewood, Ohio
Application June 15, 1948, Serial No. 33,099
7 Claims. (Cl. 40—125)



1. In a changeable sign structure, the combination of a rigid backing, said backing having rectangularly arranged shoulders about the marginal portion thereof, a rectangular display sheet of flexible material extending over said backing and having a hem arranged beyond and extending fully along each edge thereof and along the outside of one of said shoulders, a rigid member enclosed within the full length of each hem so as to render the edge portions rigid and each being located adjacent the outside of one of said shoulders, and means of releasable engagement with said shoulders of the said backing for releasably anchoring only said rigid edge portions against the outside of said shoulders and holding said sheet in position upon said backing.

2,573,319
INDUCTIVE STIRRING
Ludwig Dreyfus and Karl Erik Eriksson, Vasteras, Sweden, assignors to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application November 3, 1949, Serial No. 125,252
In Sweden November 8, 1948
1 Claim. (Cl. 13—26)

An electric furnace with the charge contained in a shallow hearth and having means for melting the charge and separate means arranged beneath the bottom of the furnace for eddy current stirring of the charge by inducing a low frequency current in the charge, said stirring means comprising at least two eddy current-inducing rotary magnetic systems, each system comprising



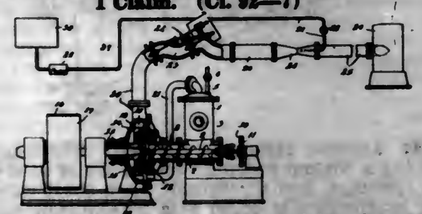
least two poles, the poles of one system extending into the pole gaps of the adjacent system, and said systems being so arranged that an extension of the axis of rotation of each of said systems passes through the furnace charge.

2,573,320
FIRE EXTINGUISHER
Luis E. Eckelmann, Brooklyn, N. Y., assignor to Pyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application March 18, 1949, Serial No. 82,288
2 Claims. (Cl. 169—1)



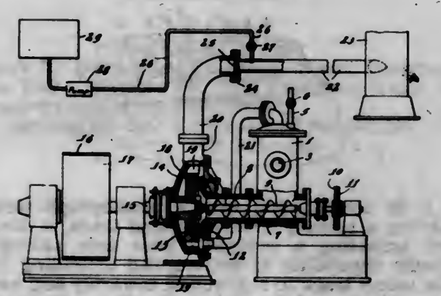
1. A fire extinguisher having internal non-ferrous metal parts coated with an adhering non-ferrous metal sulfide film, said extinguisher being filled with a charge of carbon tetrachloride fire-extinguishing liquid containing a minor proportion of carbon disulfide.

2,573,321
DEFIBERING APPARATUS
Alfred F. Ernst, Larchmont, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland
Application January 19, 1946, Serial No. 642,267
1 Claim. (Cl. 92—7)



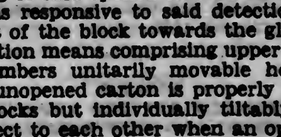
A defibering apparatus comprising in combination, a pressure chamber; fibre-feeding means operatively connected with said pressure chamber for supplying fibrous growth material to said chamber; a steam feeding conduit in communication with said chamber for introducing steam into said chamber; mechanically operating defibering apparatus disposed in said chamber for separating from each other the fibres fed into said chamber; a discharge outlet in communication with said chamber, said discharge outlet conduit comprising two portions of substantially different diameters and having a venturi disposed between said portions at the juncture thereof, the conduit portion of larger diameter being disposed between said venturi and said chamber, the venturi being in full communication with both portions of said conduit and having a diameter which is substantially smaller than the diameter of either of said portions of said conduit but of sufficient diameter the separated fibres discharged from said chamber under the pressure of the steam introduced therein pass through said venturi; an intermittently operable valve disposed in said discharge outlet means between said chamber and said venturi; and an injector for forcing a chemical treating medium into said conduit in a direction counter to the direction of flow of steam and fibre therethrough, said injector being disposed substantially adjacent the most constricted portion of said venturi and opening into the portion of said conduit having the smaller diameter.

2,573,322
DEFIBERING APPARATUS
Alfred F. Ernst, Larchmont, N. Y., assignor to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland
Application January 19, 1946, Serial No. 642,268
1 Claim. (Cl. 92—7)



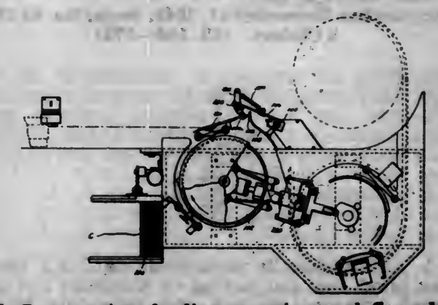
A defibering apparatus comprising in combination, a pressure chamber; fibre-feeding means operatively connected with said pressure chamber for supplying fibrous growth material to said chamber; a steam feeding conduit in communication with said chamber for introducing steam into said chamber; mechanically operating defibering apparatus disposed in said chamber for separating from each other the fibres fed into said chamber; a discharge outlet in communication with said chamber, said discharge outlet conduit comprising two portions of substantially different diameters and having a venturi disposed between said portions at the juncture thereof, the conduit portion of larger diameter being disposed between said venturi and said chamber, the venturi being in full communication with both portions of said conduit and having a diameter which is substantially smaller than the diameter of either of said portions of said conduit but of sufficient diameter that the separated fibres discharged from said chamber under the pressure of the steam introduced therein pass through said aperture; and an injector for introducing a chemical treating medium into said conduit, said injector being disposed substantially adjacent said apertured plate and in direct communication with the portion of said conduit having the smaller diameter.

2,573,323
ANTISLIPPING DESK PAD
Alvin L. Eshelman, Upland, Calif.
Application December 12, 1949, Serial No. 132,564
1 Claim. (Cl. 281—15)



A pad having a back, a non-slip cushion for the back of the pad of the same size and shape as said back, and a pair of metal pad holder strips on one face of said cushion having ends bent downwardly and inwardly at opposite sides of said pad and secured to the top of said cushion, said ends forming in each strip a pair of opposed channels through which said back may be slid to hold said back to said pad.

2,573,324
AUTOMATIC CARTON FEEDER
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application March 29, 1946, Serial No. 658,001
4 Claims. (Cl. 93—53)

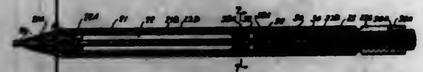


1. In a carton-feeding, opening and flap-gluing apparatus adapted to open carton blanks and place opened cartons on adjacently moving carton-supporting blocks for movement through a flap-gluing zone, a carton blank magazine, means for withdrawing unopened carton blanks from said magazine and carrying them into juxtaposition with said carton-carrying blocks, means for opening said carton blanks during said latter movement, means for detecting any improper positioning of said opened cartons on said blocks and means responsive to said detection to stop movement of the block towards the gluing zone, said detection means comprising upper and lower feeler members unitarily movable horizontally when an unopened carton is properly positioned on the blocks but individually tiltably movable with respect to each other when an opened carton is improperly positioned on the block to render the block moving mechanism inoperative.

2,573,325
COLLET
Henry D. Fowlie, Royal Oak, Mich.
Application June 28, 1946, Serial No. 680,237
2 Claims. (Cl. 279—56)

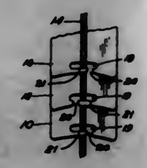
2. In a device of the character described a handle provided with an axial bore open to one

end thereof for receiving an article to be held, said bore being counterbored and said counterbore terminating in a conical or beveled portion, a sleeve surrounding the counterbored end of said handle and having an oppositely arranged beveled inner end coaxial with the first, a collet having an axial cylindrical passage for reception of said article and beveled end portions adapted to coact with the bevels in said sleeve and counterbore and held therebetween, means for moving



said sleeve and handle relatively whereby to force the first mentioned bevels over the beveled ends of said collet, said collet being provided with a plurality of radial slots each extending from one end to near the other end and alternate slots opening to alternate ends, said slots overlapping for the greater portion of their length and one of said slots extending from one end to the other, whereby to permit the collet to contract and grip the article extending through said collet throughout the length of the latter.

2,573,226
VENETIAN BLIND
Marie S. Fusco, Chicago, Ill., assignor to David Kayman, Barnett Kayman, and Joseph Kayman, Chicago, Ill.
Application December 11, 1948, Serial No. 64,761
3 Claims. (Cl. 160—173)



1. An individually replaceable slat for a Venetian blind, said slat having an elongated slot disposed adjacent its end and extending transversely of the longitudinal axis of the slat and being wide and long enough to accommodate an elevator cord for free movement therein when the slat is in a tilted position in a blind, the end edge of the slat having an entrance opening extending longitudinally of the slat and intersecting the slot adjacent an end thereof, said entrance opening having its side edges lying in planes spaced from and to one side of the longitudinal medial axis of the slat and extending longitudinally of the slat and perpendicular to the transverse axis of the slat.

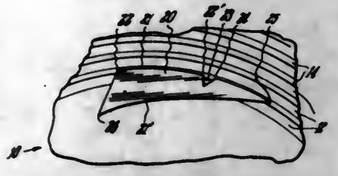
2,573,227
INTERNALLY APPLIED EXPANDING FRICTION-GRIP WRENCH
Roy R. Gossard, Glendora, Calif.
Application September 9, 1946, Serial No. 695,736
4 Claims. (Cl. 81—72)

1. In a two-direction inside wrench for rotating a pipe-fitting or the like, the combination of a rotatable mandrel having cam means formed on the body thereof, and having substantially cylindrical necks adjacent the ends of said cam means, a pair of jaws having arcuate peripheries and having recesses at their inner edges lying on opposite sides of the mandrel at said cam means said jaws having sockets at opposite ends and on opposite sides, means loosely engaging said sockets for shackling said jaws to each other, said shackling means permitting relative inward movement of said jaws and relative outward expanding movement with respect to each other, washers mounted on the said necks



of said mandrel for retaining the shackling means in operative relation with said jaws and means adjustable on said mandrel for holding said washers in position against said jaws; all of said parts cooperating so that when the mandrel is rotated in either direction, the cam means will expand the jaws and jam them against the inner faces of the wall of the fitting.

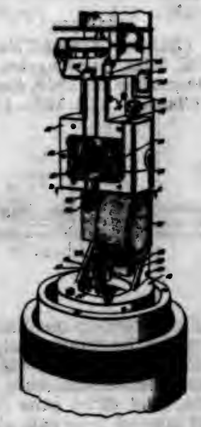
2,573,228
PHONOGRAPH TONE-ARM ACTUATOR
Thomas F. Hannigan, Springfield, Mass.
Application October 16, 1948, Serial No. 54,929
2 Claims. (Cl. 274—42)



1. In combination with a phonograph record having a spirally grooved sound track, a device for actuating a swingable tone arm having a needle depending therefrom and extending into the sound track in a direction inwardly and away from the sound track towards the central portion of the record comprising, a member adhesively secured to the record having outer and inner edges converging forwardly to a point with the point disposed adjacent and radially outwardly of the innermost groove of the record, the outer converging edge having a radius coinciding with the radius of the sound track grooves, the inner of the converging edges having an edge in communication with the innermost spiral groove of the record and adapted for guiding the needle abruptly and rapidly inwardly out of its path at the intersection of the innermost groove and the inner edge of said member.

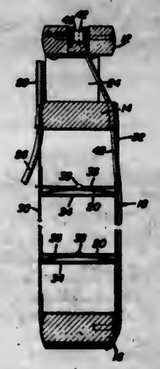
2,573,229
CAPACITATIVE COMMUTATOR
Phil C. Harris, Houston, Tex., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application May 24, 1946, Serial No. 672,023
2 Claims. (Cl. 321—44)

1. A device of the type described which comprises a frame, an insulator mounted in said frame, a stator plate mounted on said insulator, an auxiliary frame mounted on said first-mentioned frame in such a manner as to be adjustable as to position thereon, a flexible plate mounted on said auxiliary frame, an electromagnet mounted adjacent said flexible plate, means for controlling the current to said elec-



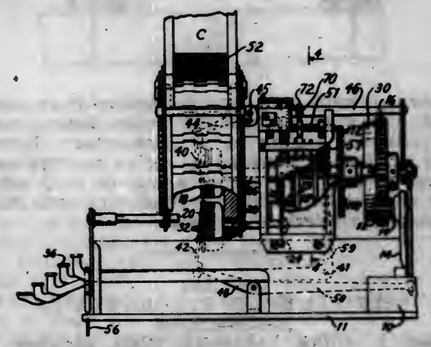
tromagnet in accordance with the motions of said flexible plate, said means being mounted with said auxiliary frame so as to be electrically shielded thereby, and a colloidal graphite coating covering the surfaces of said stator blade and said flexible plate.

2,573,230
VENETIAN BLIND
Frank R. Hendricks, Puyallup, Wash., assignor to The Magiclean Co., Inc., Puyallup, Wash., a corporation of Washington
Application May 9, 1950, Serial No. 160,930
1 Claim. (Cl. 160—168)



In a Venetian blind, the combination of a top and bottom bars, a set of removable slats extending horizontally between said bars, a pair of transversely spaced ladders extending vertically between said bars and each including front and rear tapes disposed at the respective front and rear edges of said slats and pairs of slat sustaining webs extending transversely between said tapes, one web in each pair underlying a slat and the other web overlying the stated slat and being spaced laterally from the first web, upturned detents struck out from said slats and engaging the overlying webs whereby the slats are prevented from being withdrawn longitudinally from said ladders, and a pair of lifting cords extending vertically between said top and bottom bars, said cords extending through the spaces between the overlying and underlying webs of the respective ladders and being disposed exteriorly of the slats between the edges of the latter and the adjacent tapes of the ladders.

2,573,231
VERIFICATION APPARATUS FOR RECORD CONTROLLED EMBOSSING MACHINES
Louis J. Herman, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 1, 1948, Serial No. 13,428
7 Claims. (Cl. 197—20)

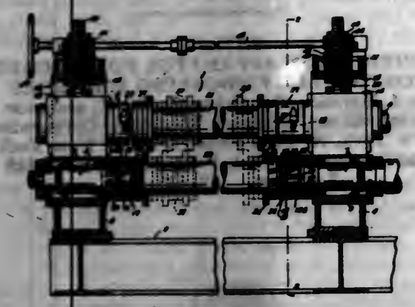


1. In combination, a machine for producing characters on a record blank including a movable type carrying member having type elements thereon, record controlled means including a set of analyzing devices adapted to sense code perforations in the index positions of a record medium for moving said member to selectively position the type elements thereon relative to the record blank in character-producing position and for thereafter effecting production of a character by the selected type element, a movable verifying member having code perforations therein corresponding to the code perforations employed in said record medium, a set of analyzing devices adapted to sense the code perforations in said verifying member, means operatively connecting said type carrying member and verifying member for cooperative movement whereby the code perforations in said verifying member corresponding to the selected type elements on said type carrying member are at all times presented to said latter set of analyzing devices, and means under the control of said two sets of analyzing devices for detecting whether a selected type element corresponds to the code perforation under analysis by said first set of analyzing devices.

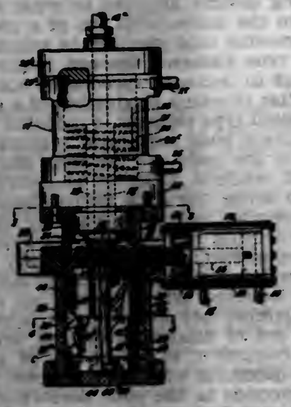
2,573,232
ADJUSTABLE SLITTER FOR METAL STRIP
Nathan L. Herman, Cleveland, Ohio, assignor to Pee Machine and Engineering Company, Inc., New Wilmington, Pa.
Application April 13, 1949, Serial No. 87,195
6 Claims. (Cl. 164—66)

1. In a metal slitter, a pair of aligned but spaced stub shafts, means for journaling said stub shafts in fixed positions, the adjacent ends of said stub shafts having longitudinally stepped end portions with non-circular axially extend-

ing recesses provided therein, an arbor having end sections complementary to the recesses in said stub shafts and snugly engaging same, interlocking means on one arbor end and its associated stub shaft to prevent relative axial movement therebetween, substantially semi-circular cap means rigidly but removably engaged with each of said stub shafts at the stepped portion thereof and being complementary thereto and bearing on said arbor to aid in securing said arbor thereto, and cutter means on said arbor and accurately located axially of same with relation to said interlocking means.

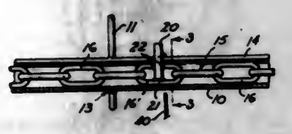


2,573,233
VARIABLE SPEED STROKE POWER MECHANISM
Foster F. Hillix, Lakewood, Ohio, assignor to Wedge Protecters, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 31, 1950, Serial No. 153,140
6 Claims. (Cl. 60—97)



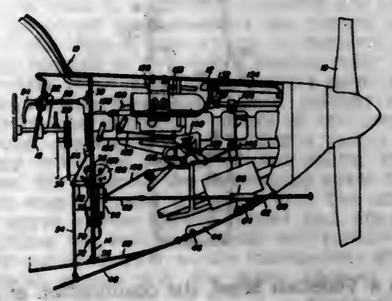
1. A power device for machine actuation by successive work stroke movements comprising, a hydraulic cylinder, means connected with said cylinder for supplying motive fluid thereto, a rod projecting from said cylinder for operating connection with said machine, a pair of relatively rotatable cam members disposed in substantially coaxial relation to said rod and having cooperating cam portions responsive to relative rotation between the cam members for causing axial movement of said rod for producing one of said work stroke movements, a piston operable in said cylinder in response to pressure of said motive fluid for causing axial movement of said rod for producing another of said work stroke movements, connecting means effective on said rod for transmitting thereto the movement caused by said cam members and piston, and means for causing said relative rotation between said cam members.

2,573,234
CHAIN CONVEYER
Luin K. Hitz, Los Angeles, Calif.
Application December 10, 1949, Serial No. 132,269
3 Claims. (Cl. 198—173)



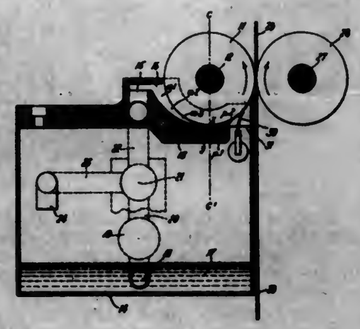
2. For use in a conveyer mechanism having an elevated, generally horizontal pipe rail with a longitudinal slot formed in the top side thereof, a link chain disposed within said pipe rail and slidable therein, and drive pins fixed to certain of said links at spaced intervals along the length of said chain, each of said drive pins being butt welded to the inner surface of one side bar of its associated link and extending upwardly therefrom along one side of the other side bar of the link, said pin being welded to said other side bar of said link, and projecting upwardly through said slot to a point above the top surface of said pipe rail, said pin acting to hold said link inclined to the vertical plane so that said link is prevented from riding up into said slot.

2,573,235
AIRPLANE CRASH SWITCH
Robert H. Redgins, Vancouver, British Columbia, and Clifford J. McGillivray, New Westminster, British Columbia, Canada
Application March 26, 1948, Serial No. 17,296
14 Claims. (Cl. 244—1)



1. In an aircraft including a fuselage having a partition therein and an electrical system, a switch having a pivoted arm in the electrical system, electrically insulating means interposed between the switch and said partition, a weight attached to said pivoted arm, an insulating plate secured to said weight and engaging the partition, frangible means maintaining the insulating plate against the partition, means extending through said fuselage for breaking said frangible means and for actuation of the switch.

2,573,236
INKING MECHANISM
Richard H. Helmweed, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 3, 1947, Serial No. 771,919
10 Claims. (Cl. 101—364)



1. An inking mechanism comprising a rotating cylinder, and a receptacle having an arcuate surface of substantially greater radius mounted in ink feeding relationship parallel thereto with the said surface disposed eccentrically adjacent to but spaced from the peripheral surface of the said cylinder, an ink inlet formed by the said cylinder and said receptacle, an ink outlet formed by the said cylinder and said receptacle, the said cylinder and said receptacle further being arranged to form an ink passageway between the said inlet and said outlet, means for causing ink to flow into the said inlet through the said passageway, and out of the said outlet, the said outlet having a greater opening than the said passageway and a lesser opening than the said inlet.

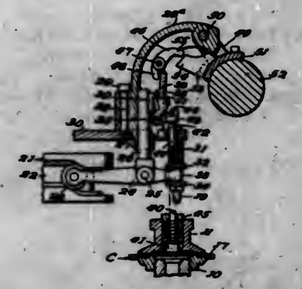
2,573,237
COATED METAL MOLD FOR BLOWING GLASS AND METHOD OF PREPARING THE SAME
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application February 16, 1948, Serial No. 8,740
4 Claims. (Cl. 49—65)

1. A metal mold for blowing glass having on its glass-contacting surface an adherent coating comprising a heat-cured siloxane composed of silsesquioxane units and diorgano siloxane units, the silsesquioxane units comprising at least one of the group consisting of $CH_3SiO_{3/2}$= and $C_6H_5SiO_{3/2}$= and the diorgano siloxane units being selected from the group consisting of

$$(CH_3)_2SiO=$$

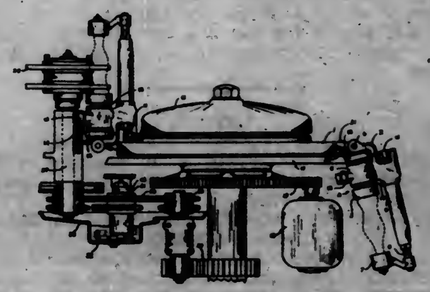
and $CH_3C_6H_5SiO$=, the diorgano siloxane units amounting to 5 to 90 mol per cent of the total siloxane, said coating having on its surface a porous, water absorbent, siliceous residue, said residue being that resulting from the contact of the heat-cured siloxane with molten glass.

2,573,238
CAN END COATING MACHINE
Scott R. Johnson and Ralph M. Mero, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application December 28, 1948, Serial No. 67,668
2 Claims. (Cl. 113—30)



1. A machine for coating can ends comprising a rotatable turret, a plurality of coating units carried by said turret, each unit including a rotatable chuck for supporting the can end to be coated, a coating nozzle associated with said chuck, a valve controlling said nozzle, an actuating cam and devices operated thereby for opening and closing said valve for a coating operation, said cam actuating devices including a fulcrum post, a latch for holding the fulcrum post in raised position for permitting the actuating cam to open the valve, devices associated with the chuck for releasing the latch when there is no can end to be coated, and gravity actuated devices operating independently of said first named devices for automatically releasing the latch for causing the valve associated therewith to close when the machine stops with a can end on the chuck.

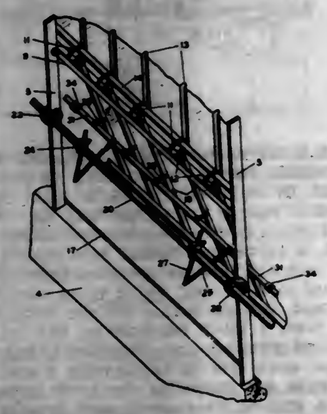
2,573,239
BEVERAGE MIXING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application June 4, 1947, Serial No. 752,368
4 Claims. (Cl. 259—54)



1. In a mixing apparatus, a base, a rotary table, means on said table to support and grip a container, means for alternately moving said gripping and supporting means to inverted and upright positions, means on said supporting and gripping means for rotating the container while the supporting and gripping means is in an inverted position, including a plastic roller, a driving wheel disposed beneath said table and frictionally engaged by said plastic roller when the

supporting and gripping means is in its inverted position, and means positioned in the path of movement of said supporting and gripping means in advance of its movement to inverted position, while in its upright position, for intermittently applying a lubricant to the periphery of said roller.

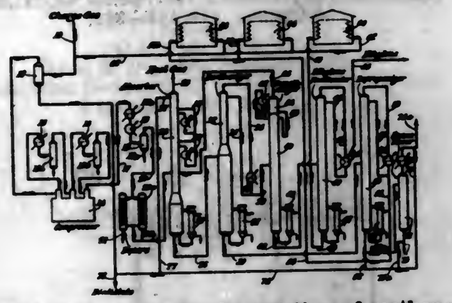
2,573,240
OPERATING MEANS FOR GREENHOUSE VENTILATING PANELS
Arthur B. Kleinhans, Easton, Pa.
Application February 5, 1947, Serial No. 726,512
4 Claims. (Cl. 268—24)



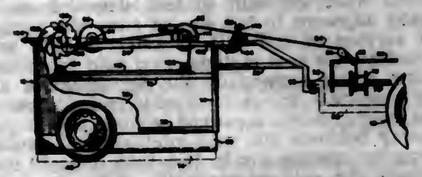
1. A metallic building structure comprising a series of weather excluding and ventilating panels pivoted to said structure adjacent their abutting horizontal edges for swinging about a common axis, operating mechanism for swinging said panels including a flexible actuating bar extending parallel to said axis and overlapping a plurality of said panels, an operating shaft mounted on said structure with its axis of rotation parallel to said actuating bar and provided with a plurality of spaced crank arms swingable laterally with respect thereto, means connecting said crank arms and bar for supporting the latter in adjusted position, and links at spaced intervals along said bar connected thereto and to said panels for securing the latter in adjustable position with respect to said building structure.

2,573,241
PRODUCTION OF ETHYLENE
Ludwig Kniel, Scarsdale, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application December 19, 1946, Serial No. 717,264
3 Claims. (Cl. 260—683)

1. The process of recovering ethylene from a normally gaseous mixture thereof which includes hydrogen, which comprises passing said mixture in countercurrent relation to a hydrocarbon absorption oil which is largely aromatic under a substantial superatmospheric pressure and at a temperature wherein all materials boiling above methane plus some methane are absorbed, removing hydrogen and a substantial part but less than all of the methane overhead, maintaining a bottoms temperature sufficient to drive most of the methane out, removing the absorbent mixture from the bottom of the absorber and rectifying it in the presence of reflux condensate into an overhead comprising the volatile hydrocarbons of not more than two carbon atoms per molecule, and a liquid bottoms component, further rectifying said volatile overhead in a second stage in the presence of reflux condensate to remove a gaseous overhead consisting of methane and some ethylene, returning said gaseous overhead to the absorber, and rectifying in a third stage in the presence of a reflux condensate the bottoms of said second stage rectification to recover a substantially pure ethylene overhead from a mixed higher boiling hydrocarbon.

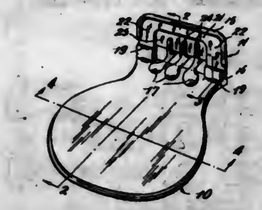


2,573,242
SELF-LOADING VEHICLE
Peter S. Knox, Jr., and William I. Strauss, Thomson, Ga.
Application February 16, 1946, Serial No. 648,058
12 Claims. (Cl. 214—75)



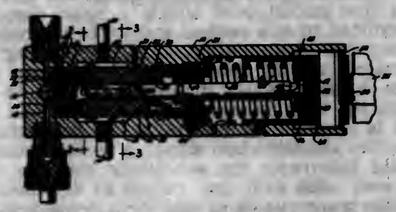
1. A trailer type self-loading vehicle comprising a wheel supported outer frame having at one end a tapered extension terminating in a hitch connection for attachment to a tractor vehicle; an inner frame within said outer frame movable in a vertical direction relative thereto; means on the lower portion of said inner frame operative to lift a load when said inner frame is raised relative to said outer frame; and means for raising and lowering said inner frame and retaining it in elevated position comprising an axle mounted transversely on the top of said outer frame; a drum and a sprocket wheel secured on said axle against relative rotation; a cable wound on said drum; means operable by power derived from an associated tractor vehicle operative to exert a force on said cable to rotate said drum, axle and sprocket wheel; a second axle journalled on said outer frame; a pair of drums and a sprocket wheel secured on said second axle; a drive chain connecting said sprocket wheels; a transverse shaft mounted on said outer frame; a plurality of sheaves on said shaft one of which constitutes a guide for said cable; a pair of cables wound one on each drum on said second axle and passing over respective sheaves on said transverse shaft to provide variable loops, one at each side of said outer frame; and sheaves connecting said inner frame with said loops whereby said inner frame will be raised relative to said outer frame when said loops are decreased.

2,573,243
SCUFF PAD FOR CONNECTION WITH PIANO PEDALS
Irving F. Kult, Cleveland, Ohio
Application September 1, 1950, Serial No. 182,763
4 Claims. (Cl. 84—225)



1. In a scuff pad for connection with piano pedals, a substantially rigid horizontal element adapted to cover and protect the floor in front of and beneath the pedals, said scuff pad comprising also a separate vertical element adapted to engage the kick board of the piano having side extensions adapted to straddle the pedals and engage the rear end of said horizontal element, said vertical element comprising a thin plate intermediate said side extensions adapted to be slid down between the kick board and the upstanding guards of the pedals.

2,573,244
FUEL INJECTOR
Everett P. Larsh, Dayton, Ohio
Application September 13, 1946, Serial No. 696,855
11 Claims. (Cl. 103—41)



1. A fuel injector comprising a barrel having a longitudinal bore, a fuel outlet adjacent the forward end of said bore and a fuel inlet spaced rearwardly from said outlet, said barrel also having an elongate pressure relieving vent extending through the wall thereof in the rear of said fuel inlet and extending at an acute angle to said bore, and a plunger mounted in said bore for forward movement therein to close said inlet and exert pressure on the fuel in said bore between said inlet and said outlet, said plunger having a passage extending rearwardly from the forward end thereof and also having a lateral port communicating with the rear portion of said passage and arranged to be moved into communication with said pressure relieving vent by the forward movement of said plunger, said plunger being adjustable about a longitudinal axis.

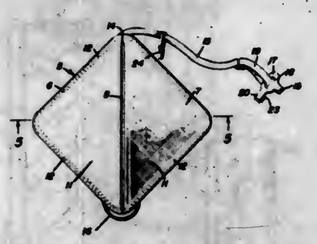
2,573,245
NAILER SECTION
Walter L. Leedy, Youngstown, Ohio
Application April 26, 1948, Serial No. 23,287
3 Claims. (Cl. 189—37)

1. A structural member comprising a pair of channel members one of which is upright and the other of which is inverted, the said upright channel member being wider than the inverted channel member and the inverted channel member being positioned in the area defined by the upright channel member and secured thereto at spaced intervals therealong with the web portions of the said channel members in oppositely disposed spaced relation to one another, the said inverted channel member having a transversely flat web portion, the upright channel member having longitudinally extending outturned flanges



formed on the edges thereof, the surfaces of which are aligned with the said flat web portion of the said inverted channel member to form a flat top on the structural member, the web portion of the upright channel member formed in adjacently positioned longitudinally extending shallow U-shaped troughs and the side portions of the inverted channel member being transversely inclined toward one another to define longitudinally extending curved slots between the said channel members for the reception of fasteners.

2,573,246
DRESS SHIELD
Lydia V. Madsen, Payette, Idaho
Application April 24, 1950, Serial No. 157,804
3 Claims. (Cl. 2—55)



1. In a dress shield, a substantially square absorbent pad holder made of textile fabric and providing a pair of integrally joined substantially triangular pockets having adjacent entrances located diagonally of the holder and adapted to receive an absorbent pad, said holder comprising a square piece of cloth, and two triangular sheets disposed on each triangular half of said piece of cloth and each stitched along two of its edges to adjacent edges of said piece of cloth, each of said sheets being of double thickness and comprising a diagonally folded square piece of cloth.

2,573,247
ARTIFICIAL LEG AND KNEE JOINT THEREFOR
Joseph A. Mazzola, Endicott, N. Y.
Application July 23, 1947, Serial No. 762,948
6 Claims. (Cl. 3—2)

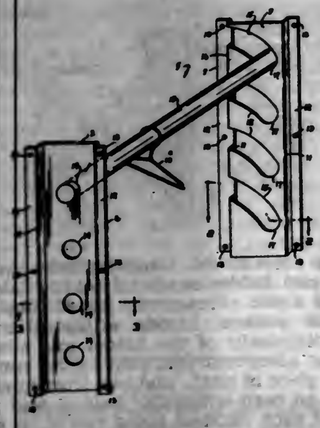
1. In an artificial leg construction, a thigh section and a calf section, a pintle element secured to one of said sections and pivotally connecting the two sections together with relative flexing movement from a position of substantial alignment to a position of acute angle flexure, an

abutment or clutch element mounted on the other section, a second abutment of clutch element, said pintle element being formed with threads thereon upon which said second abutment element is threadedly received, yieldable means normally applying a torque to said second abutment element in a direction to urge the same into engagement with said first abutment element to



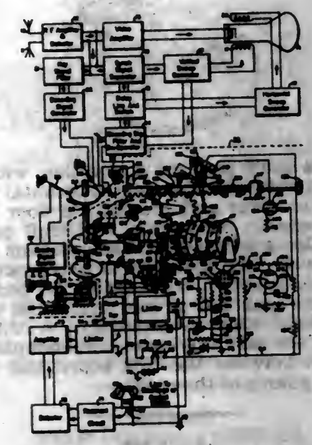
prevent initial flexing between the sections when they are in substantial alignment, and means operable by independent movement of an anatomical portion of the body of the user for applying a predetermined amount of reverse or counter torque to said second abutment element to remove the latter from said engagement with said other abutment and permit a commensurate amount of relative flexing between said sections.

2,573,248
GARMENT HANGER SUPPORT
Kenneth E. Meadows, Phoenix, Ariz.
Application October 3, 1946, Serial No. 701,928
1 Claim. (Cl. 211—103)



A garment hanger support, comprising a combination, a pair of elongated, substantially upright brackets disposed in a spaced, opposing relation, each of said brackets including a pair of marginal mounting flanges and a mid-portion laterally offset in relation to said flanges, the mid-portion on one of said brackets being formed with a longitudinally extending row of apertures, the mid-portion on the remaining bracket being provided at one longitudinal edge thereof with a plurality of arcuate, inwardly and downwardly extending slots, each of said slots coacting with a relatively opposed aperture to form a pair of keeper seats, and a hanger carrying cross bar, the end portions of said bar being selectively receivable in the pairs of said seats.

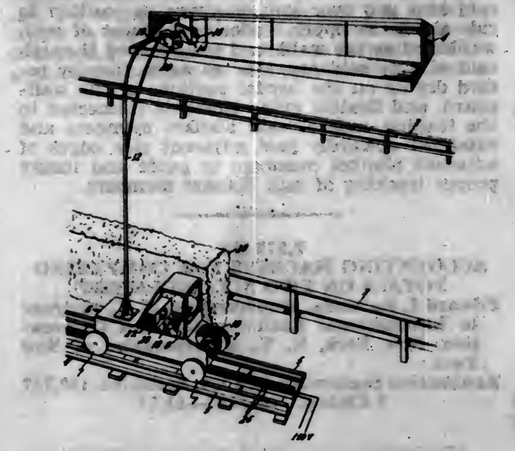
2,573,249
SUBSCRIBER SIGNALING SYSTEM
Bertrand J. Miller, Oak Park, and George V. Morris, Melrose Park, Ill., assignors to Zenith Radio Corporation, a corporation of Illinois
Application December 9, 1949, Serial No. 132,174
7 Claims. (Cl. 177—353)



1. In a subscriber type television receiver including an element operable during the reception of subscription programs, a subscription-program metering system for effecting subscriber charges via a line circuit over which a reset signal is transmitted from a central station in response to a subscriber-identification signal comprising: an integrator coupled to said receiver element and driven in an additive direction thereby, to integrate the time intervals during which said element is operated; a generator for producing a subscriber identification signal; a switch actuated by said integrator for selectively coupling said generator with said line circuit to establish on said line transmission of said identification signal at a predetermined time summation of said integrator; a resetting driver coupled with said integrator to drive said integrator in a subtractive direction for a preselected time value in response to a control potential; and means responsive to at least said reset signal for developing a control potential for actuating said resetting driver.

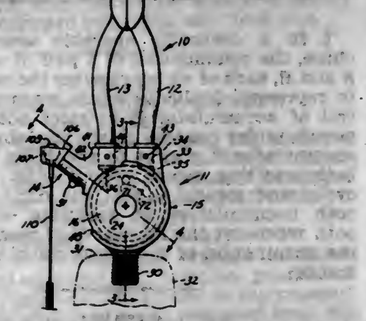
2,573,250
CAMERA APPARATUS FOR RACE TRACK PHOTOGRAPHY
Max O. Miller, Los Angeles, Calif., assignor to Motoview, Inc., Carson City, Nev., a corporation of Nevada
Application December 20, 1949, Serial No. 134,031
1 Claim. (Cl. 35—16)

Camera apparatus for a race track having an inner rail, said apparatus comprising a low type car adapted to travel inside of said inner rail, said car having an elevated post having a laterally extending crossarm having a length to extend over said inner rail, and a motion picture camera and television camera each arranged crosswise on said crossarm in position to overhang said track, the field of view of said cameras being substantially the same, said car having a driver's position, and a television receiver for said television camera, said receiver being arranged in front of said driver's position



for depicting to the driver the field of view of said motion picture camera.

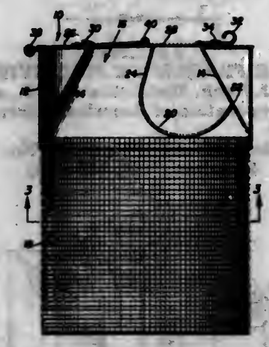
2,573,251
PROSTHETIC HOOK WITH DUAL SPRING LOAD
Gilbert M. Motis, Sherman Oaks, Calif., assignor to Northrop Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application December 12, 1950, Serial No. 200,440
8 Claims. (Cl. 2—12)



1. A prosthetic hook comprising a body, a finger mounted on said body for movement between closed and open positions, spring means urging said finger toward one of said positions, a second spring means normally disconnected from said finger, and selector means operable to connect said second spring means to said finger, whereby the tension of said second spring means is compounded with the tension of said first-named spring means to change the spring load on said finger.

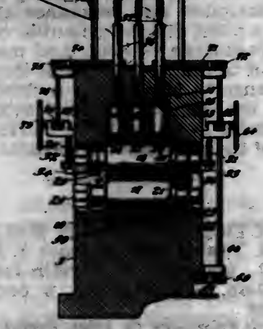
2,573,252
COMBINED FISH AND BAIT BUCKET
Kenneth L. Nicodemus, Dallas, Tex.
Application January 26, 1950, Serial No. 140,676
2 Claims. (Cl. 43—55)

1. In a combined fish and bait bucket, an annular float affording a substantially circular opening, a foraminous fish receptacle depending from said float, a bait receiving tray mounted in said opening and occupying substantially a



half of the space therein whereby the remaining portion of the opening affords a passage to said receptacle, and a common cover provided on said float for said passage and said tray.

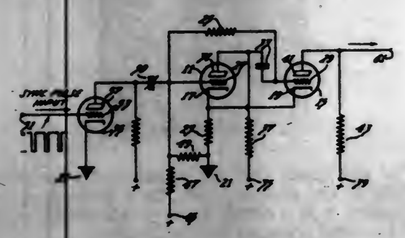
2,573,253
ROLLING MILL
Henry W. Nieman, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application October 4, 1945, Serial No. 620,265
10 Claims. (Cl. 80—56)



1. In a rolling mill, comprising an integral housing having top and bottom walls adapted to form continuous beams for the housing, end and side walls connecting the top and bottom walls, a plurality of pairs of working rolls mounted in the housing and arranged to operate in sequence, windows in the side walls of the housing to allow inserting or removing the pair of working rolls, supporting bearings mounted adjacent to the top and bottom walls in the housing said bearings being disposed at the top and bottom of each pair of working rolls, each of said bearings being formed in one piece and having its inner face provided with a concaved groove in which said working rolls are journaled for supporting the working rolls throughout their entire working length, a plurality of hydraulic pistons for applying pressure to each of the top bearings at intermediate points for controlling

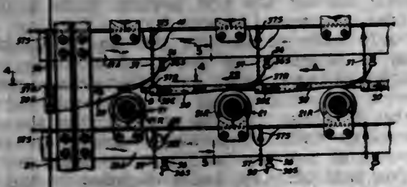
the effective shape of the working rolls, means for actuating the hydraulic pistons together or independently of each other, and means for driving the working rolls.

2,573,254
VARIABLE FREQUENCY MULTIVIBRATOR
Waldemar J. Pech, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1945, Serial No. 607,111
5 Claims. (Cl. 250—36)



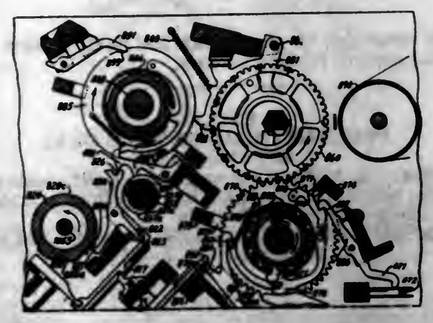
1. A speed control circuit for a substantially stable frequency cathode follower type multivibrator unit having a pair of cross-connected vacuum tubes with the output of one tube connected to the input of the other by a condenser for developing output pulses of selected frequency which comprises means including a capacity element of a size small with respect to said condenser for applying control pulses to the input circuit of one of the tubes of the multivibrator for stabilizing the output frequency at a submultiple of said control pulses and under the control of the applied pulses, a resistance element direct current connecting both of said control electrodes, said resistance element connected to a point of fixed potential only through a second resistance element, and means to vary the value of the capacity element thereby to provide a change in bias in the multivibrator unit to change the frequency thereof within relatively wide limits by a relatively narrow range of variance of the said capacity element.

2,573,255
PRODUCTION OF GYPSUM WALLBOARD
Michael M. Powers and Clarence J. Loechl, Chicago, Ill., assignors to Certain-teed Products Corporation, Ardmore, Pa., a corporation of Maryland
Application February 18, 1950, Serial No. 144,952
2 Claims. (Cl. 34—148)



1. In a drying apparatus for wallboard, an elongated drying kiln, a conveyor mounted in said kiln and along which wallboard may be moved in a horizontal position longitudinal of said kiln, a plurality of individual heat resistant flexible blanket members each having an anchoring end and a trailing end, anchoring means at spaced intervals along said conveyor and spaced upwardly therefrom, means securing the anchoring ends of said blanket members to said anchoring means to suspend said members within said kiln and over said conveyor in position to ride along the upper bordering surfaces of such wallboard as the wallboard is advanced through said kiln by said conveyor so as to thereby retard drying on the border portions of the wallboard, and flexible guide elements connected to the trailing ends of said blanket members and extended upwardly past adjacent side edges of adjacent blanket members to guide and insure proper tracking of said blanket members.
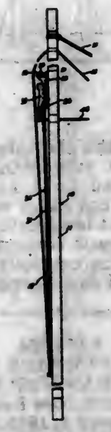
2,573,256
ACCOUNTING MACHINE FOR COMPARING TOTALS ON TWO ACCUMULATORS
Edward J. Rabenda, Poughkeepsie, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 30, 1950, Serial No. 187,727
6 Claims. (Cl. 235—61.7)



1. In a cyclically operable accounting machine, the combination of a pair of accumulators A and B, each of which receives the same amounts to represent duplicate totals, means under control of accumulator B to reset accumulator A, means under control of accumulator A to reset accumulator B, means to effect the operation of both resetting means concurrently in the same cycle, and means to test the digit positions of both accumulators to ascertain whether they both represent the normal digit reset position at the termination of the accumulator resetting operation.

2,573,257
AUTOMATIC FISHING DEVICE
Salvador Ramirez, Chicago, Ill.
Application March 29, 1949, Serial No. 84,073
2 Claims. (Cl. 43—15)

1. In a fish trap, a vertical post having front and rear sides, a horizontal pivot pin mounted on the rear side of the post, a lever arm having an end pivoted on said pin and a free end, said lever arm being arranged to be swung upwardly from a depending uncocked position below said pivot pin to a cocked position above said pivot pin along the rear side of said post, a hook line extending rearwardly through a first opening provided in said post and secured at its rearward end to the free end of said lever arm, a dog pivoted on the rear side of said post above said pivot pin and arranged to engage said lever arm in its cocked position, spring means acting between said post and said lever arm and normally urging said lever arm toward the rear side of said post in the uncocked position thereof, said spring means being arranged to be tensioned by upward swinging of said lever arm to its cocked position, a trigger pivoted on said pivot pin and with which said dog is engageable whereby said dog is maintained in engagement with said lever arm so as to maintain said lever arm in its cocked position against the tension of said spring means, and a



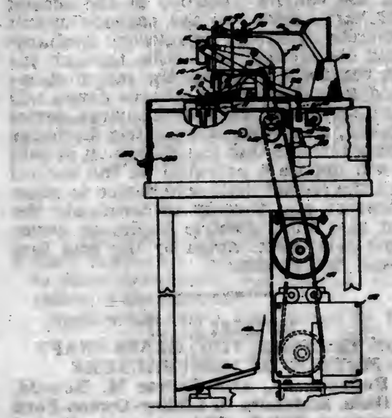
triggering line extending rearwardly through a second opening provided in said post and connected to said trigger whereby a forward pull upon said triggering line can move said trigger to release said dog from engagement with said lever arm so as to permit said spring means to swing said lever arm rearwardly and downwardly and exert a rearward pull upon said hook line.

2,573,258
PROCESS OF OXIDIZING FATTY MATERIALS
Herbert Otto Renner, Des Plaines, Ill., assignor, by mesne assignments, to J. R. Short Milling Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 18, 1946, Serial No. 655,274
9 Claims. (Cl. 195—51)

1. A process of preparing organic oxidation products characterized by reacting peanut oil with a gas containing free oxygen in the presence of enzymic extract previously prepared from the same raw material as said oil, whereby the chemical stability of the product is increased and undesirable organoleptic by-products are substantially eliminated.

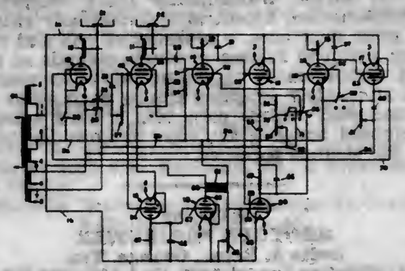
2,573,259
BUTTONHOLE SEWING MACHINE
Marion C. Rich, Denver, Colo., assignor to The Reece Corporation, Boston, Mass., a corporation of Massachusetts
Application January 8, 1949, Serial No. 69,558
14 Claims. (Cl. 112—66)

1. In a machine for forming piped holes in base material upon which a folded piping patch is secured, a patch turner movable to bring the patch to the side of the base material opposite to that on which the patch was originally located, a fluid pressure motor actuating said patch turner, fluid conduits to said motor, a control valve for said motor, and operating means there-



for timed to move said valve at a predetermined point in the cycle of operation of the machine.

2,573,260
ELECTRIC VALVE SEQUENCED MULTI-FUNCTION TIMER
Stuart C. Rockefellow, Farmington, Mich., assignor to Robotron Corporation, Detroit, Mich., a corporation of Michigan
Application November 6, 1948, Serial No. 58,638
21 Claims. (Cl. 175—320)



1. Electric timing control apparatus for connection to a source of alternating potential and having first and second bus conductors of opposite polarity, the combination comprising: a first circuit including a first electric discharge device and a load in series between said conductors, the anode of said first electric discharge device being connected to the first bus conductor and its cathode being connected to the second bus conductor and said load being on the anode side of said first electric discharge device; a second circuit including a second electric discharge device and a first capacitor in series between said conductors, in the same polarity as said first circuit, said capacitor being on the anode side of said second electric discharge device, and a first resistor in shunt relationship with said capacitor; a control electrode in said second discharge device, a second capacitor and means connecting said control electrode through said second capacitor to the anode of said first discharge device; means to be controlled including a third electric discharge device and a conductor connecting the control electrode thereof to the anode of said second discharge device; switch means controlling the application of potential to said first electric dis-

charge device and means controllably energizing the control electrode thereof; a second resistor connecting the control electrode of the second electric discharge device to the cathode circuit thereof; whereby when said first electric discharge device is not conducting conduction through the last named resistor will charge the said first capacitor, said second electric discharge device will conduct and said third electric discharge device will be blocked, and when said electric discharge device becomes conducting the charge on at said capacitor will impose a potential on the control electrode of the second discharge device to effect blocking thereof and thereby to terminate the blocking of said third electric discharge device after a time delay determined by the said first capacitor and first resistor.

2,573,261
TORSION TRANSMITTING GLASS SHAFT AND METHOD OF MANUFACTURE
James L. Rodgers, Jr., and Arthur M. Howald, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application February 13, 1947, Serial No. 728,270
9 Claims. (Cl. 64—2)



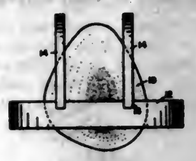
1. A torsion transmitting shaft comprising, in combination, a central longitudinally extending glass fiber core, a plurality of left and right hand wrapped helixes of single strands of parallel continuously extending fiber successively and alternately wrapped around each other and around said central core, and a hard adhesive interposed between the fiber strands for bonding the strands together.

2,573,262
SHOTGUN PROJECTILE
Ardie A. Rouse, Orange, Tex.
Application June 6, 1947, Serial No. 753,077
1 Claim. (Cl. 102—38)



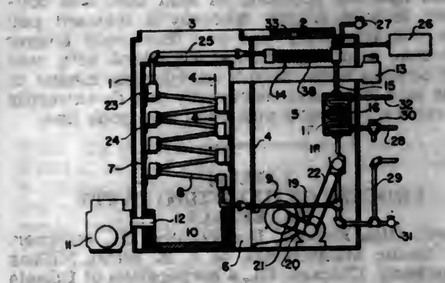
In a cartridge for a smooth bore gun, a tubular cartridge case having a closed rear end and a forward end, a wad positioned intermediate the rear and forward ends of said case, a propelling charge in said case between said rear end and said wad, a projectile positioned in the case between said wad and the forward end of the case, means in the forward end of the case defining a relatively small central opening axially aligned with said case, and a projectile confined within said case between said wad and said means, said projectile having a forward end tapered forwardly to a point, said point being positioned in said central opening whereby the projectile is initially guided in its travel from said case into the gun barrel as said propelling charge is exploded.

2,573,263
METATARSAL PAD
Hershall H. Ruddick, Cincinnati, Ohio
Application January 7, 1949, Serial No. 69,781
3 Claims. (Cl. 128—166.5)



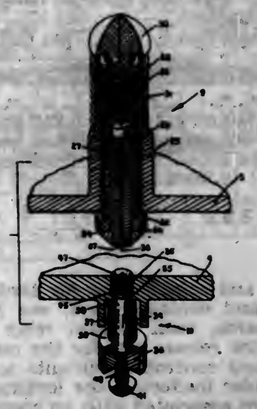
1. A support of the class described comprising a metatarsal arch supporting pad, means for positioning said pad on a human foot against lateral movement and other means for positioning said pad against longitudinal movement, said last mentioned means comprising elastic interphalangeal strapping connected with and on opposite sides of said first mentioned means.

2,573,264
AIR-HEATING FURNACE WITH LIQUID HEAT TRANSFER MEANS
John E. Scharff, New Rochelle, N. Y.
Application February 4, 1949, Serial No. 74,670
2 Claims. (Cl. 126—101)



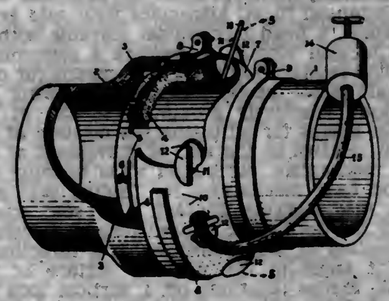
1. Heating apparatus comprising a housing having a vertical partition therein dividing it into two compartments, one having an outlet at the top and the other an inlet at the top, a casing containing heater sections including hollow headers spaced from the walls of the casing and conduits connecting said headers in the one compartment, a burner located within the casing and adjacent the sections for heating the same, a hollow heater member comprising conduits in the other compartment adjacent the inlet thereof and conduit means connecting the heater member to said sections, a smoke flue connected to the top of the casing and extending through the other compartment at the top thereof adjacent said heater member to the outside of the housing, the partition having an opening adjacent burner end of the casing, an impeller mounted to discharge through the opening in said partition, and a return line connecting the heater member to said sections adjacent said burner end of said casing, a pump in said return line, and a motor in the housing connected to the impeller and the pump.

2,573,265
APPARATUS FOR FABRICATING INSULATING MEMBERS FOR LAMP BASES AND THE LIKE
Addison B. Scholes, Georgetown, and Oliver Mann, Danvers, Mass., assignors to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application October 4, 1947, Serial No. 777,938
4 Claims. (Cl. 49—5)



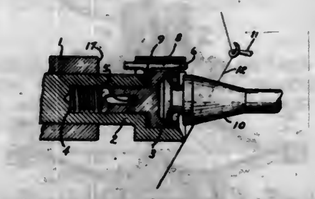
1. Apparatus for fabricating an article with an aperture therein from a body of moldable insulating material, said apparatus comprising: a male mold comprising a hollow tube internally threaded at one end thereof and having an internal shelf formed therein at the other end thereof, a plunger slidably disposed in said tube and normally seated on said shelf, said plunger having a hole-forming tip on one end thereof, a spring seated on the other end of said plunger, and a threaded cap mounted on the threaded end of said tube, the inner end thereof engaging said spring; a female mold in register with said male mold; means for effecting a flow of moldable insulating material therebetween; and means for bringing said molds into engagement with one another.

2,573,266
MEANS OF SEALING PIPE JOINTS
Walter H. Schell, Washington, D. C.
Application November 10, 1948, Serial No. 59,265
2 Claims. (Cl. 285—115)



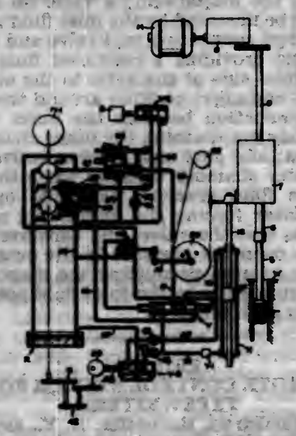
1. A pipe section formed with a socket about one end, a second pipe section having an end fitting into said socket, a rubber sleeve fitting about the socket and the adjoining portion of the second pipe section, clamps about end portions of said sleeve securing the same in close fitting binding engagement with the portions of the pipe sections about which they fit, said rubber sleeve being formed with a multiplicity of minute perforations, an initially fluid joint material forced into the sleeve and entirely filling space enclosed by the sleeve, said sleeve being expanded by the introduced joint material and applying compressing pressure to the said joint material to compact the same and expel liquid therefrom through the perforations in the sleeve.

2,573,267
EJECTOR AND THREAD CLAMP
Walter Schweiter, Hergen, Switzerland, assignor to Maschinenfabrik Schweiter A. G., a corporation of Switzerland
Application July 1, 1947, Serial No. 758,246
In Switzerland July 1, 1946
3 Claims. (Cl. 242—41)



1. In a winding machine, a retractable winding head including a movable thread holder and a member to engage said thread holder to maintain the same in holding position, and a member engageable by the thread holder on the retraction of the winding head to move the holder to thread-releasing position.

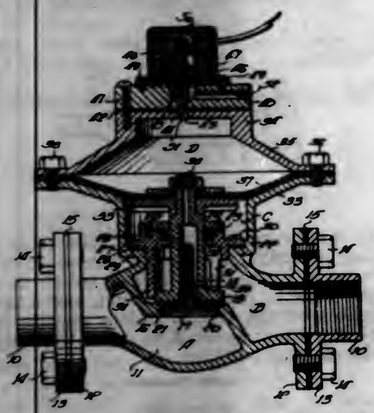
2,573,268
RECIPROCATORY DRIVE FOR MACHINE TOOLS
Earnest Y. Seborg, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application December 22, 1947, Serial No. 793,229
8 Claims. (Cl. 121—45)



1. In a machine tool having a translatable element, in combination, a double acting cylinder and piston mechanism operatively connected with said element for imparting movements thereto in opposite directions, a first source of pressure fluid

connected to one end of said cylinder, a second source of pressure fluid connected to the other end of said cylinder, valve means, and means for operating said valve means to vent the opposite ends of said cylinder alternately for equal intervals of time and thereby render said pressure fluid sources effective to impart successive oppositely directed movements to said element, one of said fluid sources being effective to supply working fluid at a greater volumetric rate than the other so as to impart a greater movement to said element than the other fluid source whereby said element is advanced progressively in one direction.

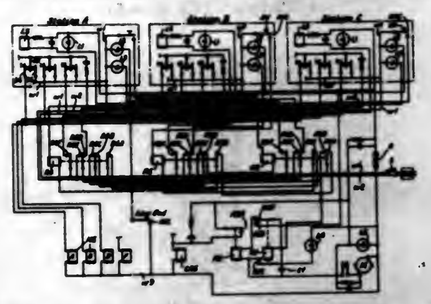
2,572,269
FLUID CONTROL VALVE
Max E. Sneddy, Dallas, Tex.
Application September 9, 1946, Serial No. 695,614
2 Claims. (Cl. 137—139)



2. A shut-off valve for pipe lines comprising a body having fluid inlet and fluid outlet compartments, a chamber superimposed on said body and communicating therewith; a diaphragm dividing said chamber into inner and outer portions; a partition separating the inlet and outlet compartments of the body and having a valve seat parallel to the diaphragm; a valve on said seat adapted to be unseated by the inlet fluid pressure; a hollow stem connecting said valve and said diaphragm and providing a restricted fluid passage from the inlet side of the valve to the outer portion of the chamber; packing around the stem at the communication between the inner chamber and the body maintaining the inner chamber dry at all times; and port means for selectively venting the outer chamber whereby when the port is closed, the fluid pressure will build up in the outer chamber forcing the diaphragm and stem inwardly to seat the valve, and conversely, when the port is open the pressure in the outer chamber will be relieved permitting the diaphragm to be moved outwardly by the inlet fluid pressure on the valve to open the latter.

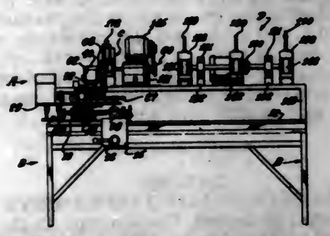
2,572,270
REMOTE CONTROL SYSTEM FOR TYPEWRITERS
Henry L. Thelstrup, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 25, 1948, Serial No. 51,178
6 Claims. (Cl. 197—19)

6. In combination, a power operated typewriting machine having a series of electromagnets for controlling the functions of the typewriting machine; a system of remote keyboards for controlling said machine, said keyboards including keys and contact means actuated thereby for selectively closing circuits to said electromagnets, means to normally lock the keyboards against operation, magnets for determining when the lock means is to be effective and ineffective, re-



spectively, and release keys for controlling said magnets; and control relays, one for each of said keyboards, each control relay being controlled by the release key for the corresponding keyboard and controlling circuits to said magnets to render ineffective the locking means for the keyboard associated with an operated release key and prevent release of the locking means for the remaining keyboards.

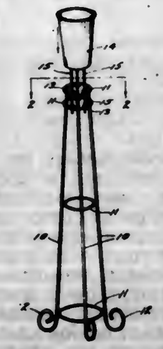
2,572,271
GEMSTONE MACHINE
Edwin P. Van Leuven, Bakersfield, Calif.
Application December 15, 1947, Serial No. 791,684
17 Claims. (Cl. 51—101)



1. In a gemstone machine, the combination of a grinding wheel, at least one finishing wheel in substantial facial alignment with said grinding wheel, a head mechanism movable with respect to said wheels for feeding a gemstone in reducing relationship therewith, means for moving said head mechanism so as to bring said gemstone selectively proximate to any of said wheels, means for adjusting the position of said wheels relative to the axis of movement of said head mechanism, compound ways forming part of said head mechanism for feeding said gemstone into working contact with said wheels, means for limiting to a predetermined distance the feeding of said gemstone in a direction at a right angle to the working surface of said wheels, means rotatable on a vertical axis and supported by said compound ways for altering the horizontal angle of approach of said gemstone to said wheels, means for rotatively oscillating said rotatable means through a predetermined angle of oscillation, means for locking said rotatable means at predetermined angles

to the axis of movement of said head mechanism, a spindle revolubly supported by said rotatable means and including means for supporting said gemstone so as to rotate said gemstone about an axis perpendicular to the base thereof, means for moving said spindle along a radius of said rotatable means so as to posit said gemstone at a variable eccentricity with respect to said rotatable means, and means for rocking said spindle so as to cause said axis of said gemstone to oscillate from one side to the other side of said radius of said rotatable means while remaining parallel to said radius.

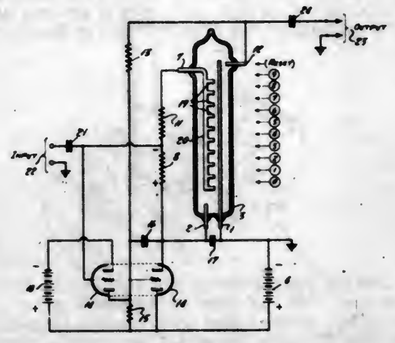
2,573,272
FLORAL DISPLAY STAND
Karl F. Wagler, Chicago, Ill.
Application March 29, 1949, Serial No. 84,139
2 Claims. (Cl. 248—27.3)



1. A floral display device comprising in combination a standard and a flower holding member, two rows of radially spaced rings on said standard the flower holding member having several radially spaced prongs detachably engaging the said rows of rings on said standard for normally securing the said flower holding member thereto.

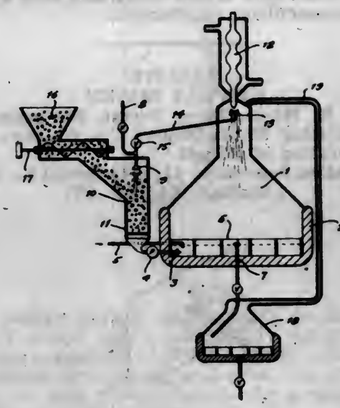
2,573,273
CATHODE GLOW DISCHARGE DEVICE
Nathaniel B. Wales, Jr., Merristown, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 14, 1949, Serial No. 98,928
2 Claims. (Cl. 315—344)

1. In a counter including a gaseous discharge storage tube wherein a preselected boundary of glow discharge is progressively expanded in step-by-step fashion into successive stable positions in response to consecutive pulses to be counted; an envelope containing a gaseous atmosphere; an elongated cathode extending within said envelope; an anode extending within said envelope in juxtaposition with said cathode adjacent one end thereof; means for creating a voltage difference between said anode and cathode to create a glow discharge therebetween; a single probe electrode arranged within said envelope in juxtaposition with said cathode and having a discontinuously variable area to form a preselected number of probe fingers protruding toward said cathode; a source of pulses to be stored; and circuit means connected between said source and said single probe electrode for applying a potential to said single probe electrode whereby each pulse to be stored effects an expansion of said boundary of glow discharge to include the next probe finger adjacent to said boundary of glow discharge until all said fingers are in-



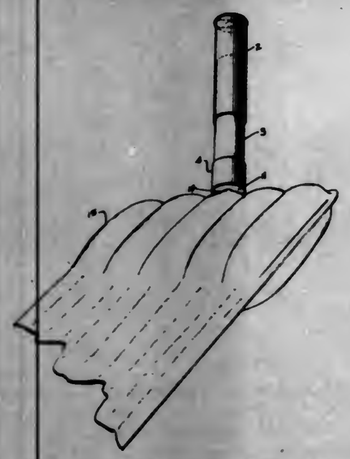
cluded within said boundary, the current through said probe electrode increasing approximately an equal amount with each expansion of said glow discharge.

2,573,274
METHOD FOR PRODUCING LACTAMS BY REARRANGEMENT OF CYCLIC KETOXIMES
Otto Wichterle, Prague, Czechoslovakia, assignor to Chemicke zavody na Slovensku, narodny podnik, Bratislava, Czechoslovakia
Application February 21, 1948, Serial No. 10,167
In Czechoslovakia March 3, 1946
11 Claims. (Cl. 260—239.3)



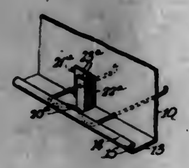
1. A continuous method of producing lactams from cyclic ketoximes which comprises dissolving said ketoxime in an inert solvent having a boiling point between 40° C.–160° C. which is immiscible with water and with sulfuric acid, introducing said ketoxime solution into a preheated solution of sulfuric acid whereby rearrangement to the lactam takes place with the evolution of heat evaporating said inert solvent thereby controlling the heat evolved during the rearrangement reaction, recovering the lactam from the reaction mixture, condensing the vapors of said inert solvent and recycling the condensed solvent to dissolve further quantities of ketoxime.

2,573,275
PUMP CONTAINER
Thomas W. Winstead, Baltimore, Md.
Application March 25, 1946, Serial No. 656,948
3 Claims. (Cl. 230—32)



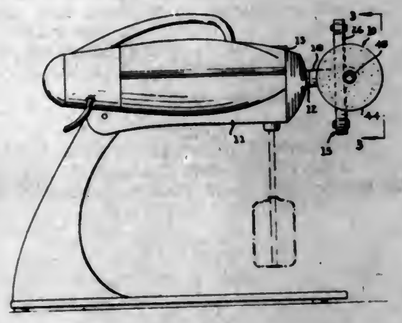
1. A container and pump element comprising a pair of telescopic parts having a close sliding fit and forming a closed compartment, the inner wall of the inner part forming an unobstructed surface from one end to the other of the parts when in completely telescoped position, an air intake valve mounted on one of said parts, an inflatable article in said compartment including a valve secured thereto, and an air outlet port complementary to said article valve formed in the other of said parts whereby relative motion between said telescoping parts will inflate the article when said article valve and said port are in complementing relationship.

2,573,276
DISPLAY BOARD
Sidney E. Wirth, River Forest, Ill., assignor to Advertising Metal Display Co., Chicago, Ill., a corporation of Illinois
Application September 11, 1948, Serial No. 48,793
1 Claim. (Cl. 211—87)



A display board embodying therein a panel having a pair of laterally spaced openings therein, a ledge projecting rearwardly from said panel below said openings, hook-like means carried by said ledge and facing toward said panel, a hanger comprising laterally spaced legs and a member connecting the rear ends of said legs, with said legs inserted through said openings and said connecting member being engaged under said hook-like means, and including a portion bowed forwardly, and means engageable with said bowed portion for confining said connecting member in position under said hook-like means.

2,573,277
GRINDER ATTACHMENT FOR ELECTRICAL FOOD MIXERS
Harry Welbaum, Braddock, N. Dak.
Application October 27, 1950, Serial No. 192,496
1 Claim. (Cl. 51—241)



In a grinder attachment for a food mixer having a power take-off, a hollow cylindrical housing having a closed end and an open end, an axial extension on and projecting axially outwardly from said closed end of the housing, said extension being formed with a plain bore opening through said closed housing and into the interior of the housing, a plain drive shaft extending slidably and rotatably through the extension bore, said drive shaft having an axially outward end projecting beyond the axially outward end of said extension and an axially inward end projecting into said housing, said axially outward end of the projection being adapted to be secured to the food mixer with the axially outward end of the drive shaft connected to the mixer power take-off, a crown gear within said housing and fixed axially on the axially inward end of said drive shaft, said crown gear having gear teeth projecting toward the open end of the housing and a face confronting the closed end of the housing whereby axial movement of the crown gear in the direction of the closed end of the housing is limited by contact thereof with the closed end of the housing, a cover removably secured to said housing and closing the open end of said housing, the axially inward end of said drive shaft being formed with an axial socket, a thrust and guide pin threaded axially through said cover, said pin having an end rotatably engaging in said socket whereby axial movement of the crown gear in a direction toward the open end of the housing is limited, a casing fixed on the axially outward side of said cover and having bearing means extending radially with respect to said housing, a driven shaft journaled in said bearings, said driven shaft having a radially outward end extending beyond said casing and carrying a grinding wheel, said driven shaft having a radially inward end terminating within said casing and carrying a pinion, said cover being formed with an opening communicating with the interior of said casing through which said pinion extends into mesh with the teeth of said crown gear, said cover, thrust and guide pin, driven shaft, pinion, and grinding wheel being thereby separable as a unit from said housing and drive shaft upon removal of the cover from the housing.

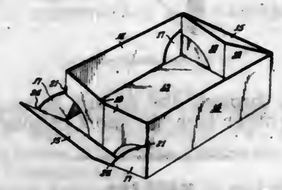
2,573,278
BOTTLE POURING CAP AND CLOSURE
Cyril P. Zurlinden, Rocky River, Ohio
Application February 24, 1949, Serial No. 78,169
2 Claims. (Cl. 215—73)



1. A bottle pouring cap comprising one member having a substantially flat central portion with an integral flexible inverted substantially U-shaped portion about the entire margin thereof and depending therefrom and adapted to engage about and to conform itself to the inner and outer mouth edge portions of a bottle entirely thereabout, said central portion having a pouring opening therethrough and an integral annular upstanding marginal portion of substantial height surrounding the same and substantially within the circumference of said inverted U-shaped portion and formed at the forward portion thereof into a pouring lip in the region of said pouring opening and formed with oppositely recessed spaced ends at the rear thereof, and a one-piece substantially rigid flat closure member adapted to occupy closed position upon said central portion and within and below the upper edge of said annular marginal portion so as to close said pouring opening, said closure member having a rearwardly extending narrow portion positioned between the ends of said upstanding marginal portion and having oppositely aligned integral lateral projections mounted in said recessed ends of said upstanding marginal portion in a freely pivotal manner so as to provide a hinge connection for said closure member at the rear thereof, whereby said closure member will swing by gravity to open position when the bottle to which the pouring cap is attached is tilted forwardly for pouring and will close by gravity when the bottle is returned to upright position.

2,573,279
CORNER LOCKING CONSTRUCTION FOR PAPERBOARD CONTAINERS
Ralph E. Acker, Fort Worth, Tex., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application November 29, 1947, Serial No. 788,789
3 Claims. (Cl. 229—32)

1. A blank for a paperboard container comprising a paperboard sheet cut and scored to provide a rectangular bottom panel, an end wall panel hingedly connected along a fold line to an end edge of said bottom panel, a side wall panel hingedly connected along a fold line to a side edge of said bottom panel, a tab hingedly connected to a portion of a side edge of said end wall panel along a fold line offset inwardly out of alignment with said side wall panel fold line, the remaining portion of said side edge of said end wall panel being in alignment with the side wall panel fold line, and a flap hingedly connected along a fold line to a portion of an end edge of said side wall panel and separated therefrom along an adjacent portion of said end edge of said side wall panel defining therewith a slit opening toward said bottom and end wall panels, said end wall panel having a cut extending from



the inner end of the last named edge portion of its side edge inwardly to said tab fold line at a point thereof remote from said bottom panel and providing a notch at the upper edge of said tab disposed and adapted for locking engagement with said flap at the closed end of said slit, when said blank is folded into container form with said tab folded on its hinge line.

2,573,280
SEALING CEMENT FOR VACUUM SEALS
Edmund Jack Ambrose and Eric Frederick George McGill, Maidenhead, England, assignors to Electric & Musical Industries Limited, Middlesex, England
Application June 28, 1947, Serial No. 757,870
In Great Britain May 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 7, 1963
2 Claims. (Cl. 106—47)

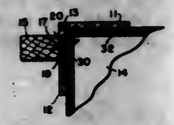


1. A sealing cement comprising a combination of silver iodide and a compound selected from the group consisting of copper iodide having the composition formula CuI and silver chloride, the amount of said silver iodide being greater than the amount of said compound.

2,573,281
CUTTING DEVICE
Edward F. Arnold, New York, N. Y.
Application May 27, 1949, Serial No. 95,610
3 Claims. (Cl. 30—2)

1. A cutting device of the class described for opening corrugated cartons and the like at a line parallel with the corner to be cut, comprising a member having a pair of faces joined at right angles relatively of each other for sliding over the edge of the carton to be cut, a handle member fixed to and extending perpendicularly from one

of said faces, and a cutting edge of substantially triangular shape having a base fixed to the handle and its other edges extending angularly from



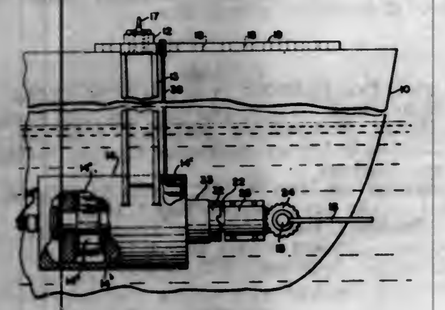
the handle through one of said faces upwardly toward the other face but short of touching said face.

2,573,382

PORTABLE OSCILLATING PROPELLER ASSEMBLY

Clyde E. Bannister, Houston, Tex.

Application January 10, 1948, Serial No. 1,530
6 Claims. (Cl. 115—18)



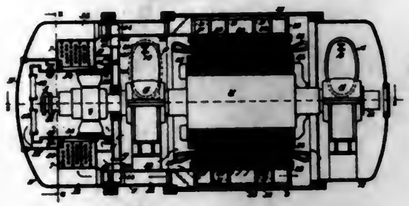
1. A propulsion unit including a support and a propeller assembly supported thereby, said propeller assembly comprising a shaft, a journal mounting therefor, means for driving said shaft in rotative movement, a bar transverse to and mounted on the shaft for rotative movement on its own axis transverse to that of the shaft, said bar having two arms projecting oppositely from the shaft, an impeller mounted on each of said arms for actuation by rotative movement of said bar with said shaft, and reversing means for turning said bar through 180 degrees on its own axis in relation to the shaft, for reversing the direction of the propulsive force of the impellers, said reversing means comprising turning means fixedly secured on said bar, means for holding said turning means in fixed relation to said shaft with said turning means selectively in either of its two operative positions 180 degrees apart about the axis of said bar, and control means operable during rotative movement of said shaft for rendering the said holding means ineffective and causing rotative movement of the shaft to effect a 180 degree rotation of said bar about its own axis and for then reestablishing effectiveness of said holding means in its new relative position, said control means comprising a fulcrum member nonrotatable in relation to the said journal mounting and engageable with a part of said holding means for preventing rotation of the holding means in relation to the journal mounting and disengageable therefrom to permit said holding means to have rotative movement with said shaft.

2,573,383

TOTALLY ENCLOSED DYNAMOELECTRIC MACHINE UTILIZING A SINGLE COOLING FAN

Sterling Beckwith, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis.

Application July 26, 1950, Serial No. 175,910
11 Claims. (Cl. 171—252)



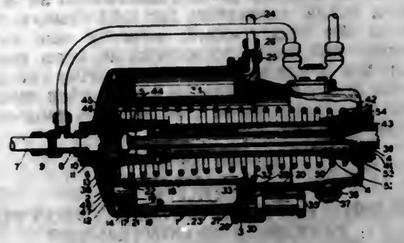
1. A totally enclosed dynamoelectric machine comprising a stator and a rotor, said rotor including a rotatable shaft, a gas tight housing enclosing said stator and said rotor and containing a ventilating gas, a fan mounted on said shaft, said fan comprising a first blading and a second blading mounted radially of said first blading, said bladings being oppositely directed to force said gas in opposite directions through said fan for circulating said gas through said housing, and means directing said gas from said first blading to both ends of said rotor, thence radially through said stator and axially through said housing to said second blading and back to said first blading, whereby said two bladings cooperate in circulating said gas in said machine.

2,573,384

SELF-ALIGNING PISTON AND PISTON ROD

Arthur J. Bent, Pittsburgh, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Original application July 31, 1947, Serial No. 764,941. Divided and this application July 3, 1948, Serial No. 36,848
2 Claims. (Cl. 309—20)



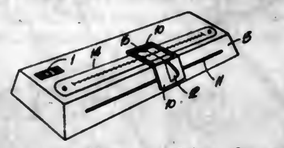
1. A piston assemblage comprising a piston head, a sleeve member having one end abutting said head, an annular member encircling said sleeve member and having an annular air tight securing joint with said sleeve member and also having an air tight securing joint with said head adjacent its periphery, a piston rod extending through said sleeve member into abutting relation with said head, the abutting surfaces of said head and rod being respectively concave and convex in sliding contact with each other, and means attached to said sleeve member for retaining said rod in proximity to said head and providing for slidable movement of the abutting end of said rod radially on said head.

2,573,385

TIME COMPUTING MACHINE

Nils Olof Bergquist, Appelviken, near Stockholm, Sweden

Application November 3, 1949, Serial No. 125,251
In Sweden October 4, 1944
9 Claims. (Cl. 235—61)



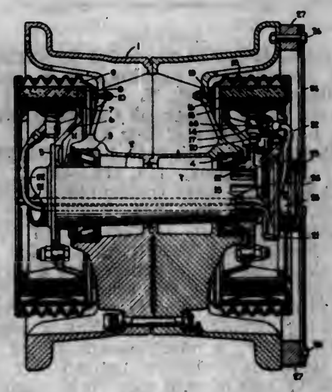
1. A time computing machine for computing differences of times and the totals of such differences, comprising, in combination, a stationary scale divided in units of time, an index movable along the scale, at least one accumulating counter for accumulating differences of time and an actuator for said counter, a toothed rack mounted stationarily in parallel with the scale and having its teeth arranged at distances corresponding to the divisions of said scale, a toothed gear wheel for cooperation with said rack, a movement transmission from the rack to the actuator, in which transmission said toothed wheel is included, a carriage movable along said rack and scale, which carriage supports said index as well as at least the toothed wheel of said movement transmission, coupling means mounted in said carriage for interrupting said movement transmission when the carriage with index is to be moved along the scale and no entry in the counter is to be made, but holding said transmission operative when the carriage with index is moved along the scale between two points of time, the difference of which is to be entered into the counter, and locking means for preventing rotation of said toothed wheel when said movement transmission is interrupted, and allowing such rotation only when said movement transmission is complete.

2,573,386

INERTIA OPERATED CONTROL DEVICE

Charles W. Berkoben, Irwin, and Rankin J. Bush, Greensburg, Pa., assignors to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application September 28, 1948, Serial No. 51,546
6 Claims. (Cl. 188—181)



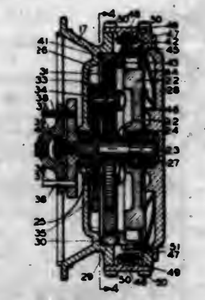
1. A control mechanism comprising a rotary housing, a rotary inertia element concentric with and enclosed by said housing, a ring gear frictionally held in said housing adapted to rotate therewith and arranged to slip in said housing when resisted by a certain force, a plurality of gears meshed with said ring gear in hypocycloidal relation and arranged to drive said rotary inertia element according to rotation of said ring gear, rotatable means for supporting said gears, means for yieldingly restraining rotation of said rotatable supporting means, and a control member actuated by movement of said rotatable supporting means.

2,573,387

INERTIA OPERATED CONTROL DEVICE

Rankin J. Bush, Greensburg, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania

Application August 31, 1949, Serial No. 113,352
11 Claims. (Cl. 264—1)



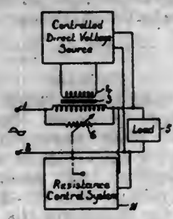
1. An inertia type wheel slip detector device comprising a rotative housing adapted to be rotated according to the rotation of a vehicle wheel, a rotative mass, torque transmission means for driving said mass from said rotative housing, said transmission means including a multiple clutch device one portion of which is in driving engagement at all times and another portion of which is in driving engagement only when the rotation of said mass is accelerated.

2,573,388

VOLTAGE STABILIZER

Olle Billing, Norrkoping, Sweden, assignor to Hartford National Bank and Trust Company, trustee, Hartford, Conn.

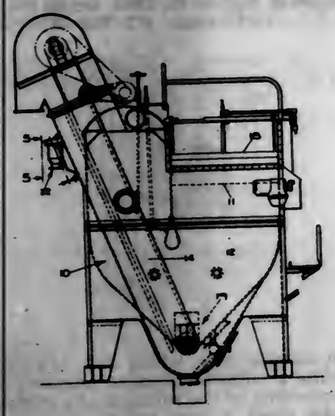
Application February 7, 1950, Serial No. 142,916
In the Netherlands February 9, 1949
4 Claims. (Cl. 323—66)



1. Apparatus to stabilize the voltage established across a load connected to an alternating-voltage source subject to fluctuations comprising a variable impedance interposed between said load and said source, means to vary the value of said impedance as a function of the voltage of said load in a direction compensating for said fluctuations, a variable resistance connected

across said impedance, and means responsive to the voltage across said load to vary the resistance to have a value which is high with respect to the reactance of said impedance at a relatively small difference between the alternating voltages of the source and of the load and is low at a relatively large difference therebetween.

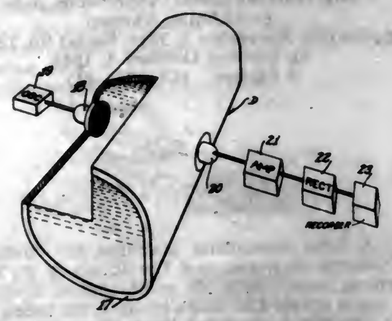
2,573,389
LIQUID LEVEL CONTROL FOR JIG ELEVATOR CASINGS
Byron M. Bird, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application October 8, 1949, Serial No. 120,270
4 Claims. (Cl. 209—455)



1. A jig including a material supporting screen on which material is stratified by pulsating fluid flow therethrough, a hutch compartment below said screen, an elevator compartment, high gravity material discharge means operable to control discharge of high gravity material from said screen into said elevator compartment, check valve means restricting the flow of fluid from said elevator compartment into said hutch compartment while providing for ready reverse flow of said fluid, and fluid discharge control means provided on said elevator compartment and positioned above said screen and high gravity material discharge means for controlling the maximum height of fluid in said elevator compartment to thus control undesirable flow of fluid from said elevator compartment through said high gravity material discharge means.

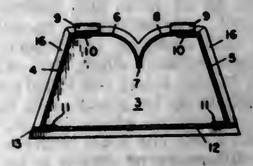
2,573,390
GAS DETECTOR
André Blanchard, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application July 11, 1946, Serial No. 682,961
2 Claims. (Cl. 73—19)

1. Apparatus for detecting the presence of gas in the circulating drilling mud stream in an oil well comprising an open-ended conduit submerged in said mud stream at the surface of the earth and disposed so as to facilitate the flow of said mud stream therethrough, a compressional wave energy transmitter mounted at one side of said conduit, a constant intensity source of wave energy for said transmitter, a compressional wave energy receiver mounted at another side of said conduit in the path of wave energy transmitted from said transmitter



through the mud stream, and means responsive to the output of said wave energy receiver.

2,573,391
RESILIENT OPENABLE TOP ASH TRAY
Spyros N. Bonanos, New York, N. Y.
Application May 12, 1949, Serial No. 92,910
1 Claim. (Cl. 232—43.1)

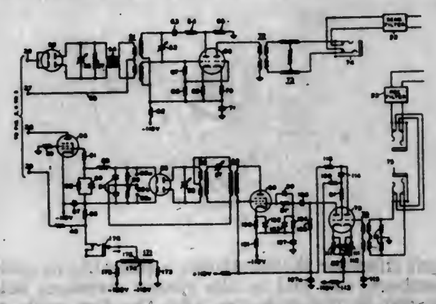


A disposable ash tray comprising a box like container structure of sheet material having a bottom and upstanding front, rear and two side walls, a top portion formed by a horizontal extension of each of the side walls, the extremities of said extensions being curved downwardly to meet and contact each other along a line located at the center of the ash tray between the side walls thereof so as to completely enclose the box like structure and to form a narrow trough within which the cigarette ashes and stubs collect and then are permitted to drop to the bottom of the container when the sides of the trough are pressed apart.

2,573,392
CARRIER TELEGRAPH SYSTEM
John E. Boughtwood, Brooklyn, N. Y., and Alfred E. Michon, Summit, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application April 22, 1947, Serial No. 743,102
17 Claims. (Cl. 178—66)

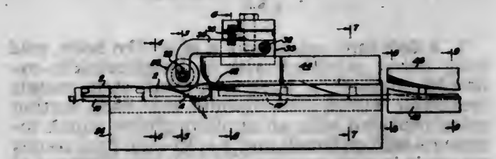
14. In a carrier wave transmission channel, an oscillator adapted to generate a carrier current of median frequency as determined by a frequency-determining circuit, means for shifting the oscillator frequency comprising a series resonant circuit including two reactances coupled by a transformer to the remainder of said frequency-determining circuit and including a winding of said transformer, a potential-controlled rectifier having electrode structures respectively of opposite polarity, one of said structures comprising a pair of electrode elements differentially connected across one of said reactances and coacting with the other electrode structure to cause the reactance to be short-circuited by the rectifier when

it is conducting and unaffected thereby when the rectifier is not conducting, a source of direct current marking and spacing signals for controlling said rectifier to cause it to be conducting and non-conducting alternately to produce spacing and marking carrier telegraph signals, and means to prevent the amplitude-modulated direct current signals from detrimentally affecting the oscillator tuning circuit comprising a source of rectifier control potential connected to the electrical



mid-point of said transformer winding to cause any direct current flowing through the rectifier when it is conducting to flow differentially in both sides of said series resonant circuit, another source of control potential connected to said other electrode structure of the rectifier, said source of direct current marking and spacing signals being connected to said other electrode structure of the rectifier and in shunt with said source of control potential therefor.

2,573,393
CARTON CREASING AND CLOSING MACHINE
John Bousquet, Copiague, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application January 12, 1946, Serial No. 640,847
2 Claims. (Cl. 93—36)

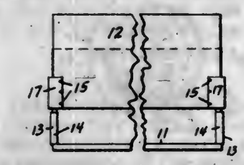


2. In a machine for closing boxes having closure flaps projecting from the ends of one of the side walls thereof, each of the flaps being scored on parallel lines with one of the score lines arranged adjacent the associated end of the box and the other score line spaced outwardly therefrom a distance corresponding to the width of the interior of the box, the combination of means for feeding the boxes edgewise with said side wall uppermost, folding members over which the portions of the flaps between said score lines slide as the boxes are being fed with said flaps extending substantially in the plane of said side wall of the box, said folding members being in the form of rails having their top surfaces flat and having abrupt outer edges which register with said outer score lines of the box flaps as the boxes are fed over said folding members, rollers having cylindrical surfaces for pressing said portions of the side flaps downwardly upon said folding members, and having outwardly beveled surfaces for folding the outer portions of said flaps downwardly at an angle over the outer edges of the top surfaces of said folding members, and means for then bending the inner portions of said side flaps upwardly on their inner score lines and their outer portions downwardly on their outer score lines to arrange said portions substantially in vertical position with the outer edges of the flaps above the other side wall of the box, and for then bending the flaps downwardly on their inner score lines while folding the outer portions of the flaps into the ends of the box.

2,573,394
PROCESS FOR THE MANUFACTURE OF CHLORINATED DERIVATIVES OF ALPHA-CHLOROETHYLBENZENE
Eugen Gottfried Gallisenstein, Wallington, and Cyril Woolf, London, England, assignors to The Distillers Company, Limited, Edinburgh, Scotland, a British company
No Drawing. Application December 3, 1946, Serial No. 713,853. In Great Britain December 18, 1945
6 Claims. (Cl. 260—651)

1. A process for the manufacture of chlorinated derivatives of alpha-chloroethyl benzene which comprises reacting a benzenoid compound of the class consisting of alpha-chloroethyl benzene and nuclear chlorine substitution products thereof in the liquid phase with gaseous chlorine at a temperature between —10° C. and 30° C. in the presence of iodine as chlorination catalyst, the iodine being used in an amount of about 0.12 to 0.5% by weight of said benzenoid compound to produce alpha-chloroethyl benzene products having nuclear chloro substitution and chloro addition groups and converting at least one chloro addition product in the reaction mixture to the corresponding chlorine substituted chloroethyl benzene derivative by heat treatment at a temperature between 180 to 300° C.

2,573,395
ENDGATE CONSTRUCTION
Randall H. Breitbarth, Akron, Iowa
Application December 12, 1949, Serial No. 132,513
3 Claims. (Cl. 296—52)

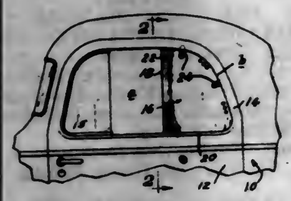


1. In combination with a wagon box, an end gate construction for the same comprising vertically positioned angle members secured to the ends of the side walls of said wagon box, said angle members having portions spaced from the ends of said side walls, an end gate including further vertically positioned angle members secured thereto and spaced therefrom, said further angle members receiving said angle members when said end gate is installed, the ends of said end gate being then positioned between the ends of said side walls and said portions.

2,573,396
WIND DEFLECTOR
Robert M. Bryce, Los Angeles, Calif., assignor to Mildred Friend, Los Angeles, Calif.
Application May 10, 1949, Serial No. 92,419
2 Claims. (Cl. 98—2)

1. An air stream deflector adapted to be positioned in the window frame of an automobile

having the usual window opening provided with guides, and a transparent closure for said opening slidable in said guides, and comprising; a sheet of transparent material and being uniformly curved inwardly at its forward edge and from top to bottom of the window frame, the remaining portion of the air stream deflector being substantially flat and being arranged to lie in a plane parallel to and inwardly spaced from the plane of the usual sliding glass for closing



the opening of the window frame, the periphery of the remainder of the air stream deflector being shaped to closely fit the rear portion of said window frame; means secured to and having a portion extending beyond the periphery of said deflector and said portion being adaptable to be positioned between said guides and the window frame and clear of the path of movement of the closure for the window; and an apertured area toward the rear portion of the deflector to allow restricted passage of air through said apertured area.

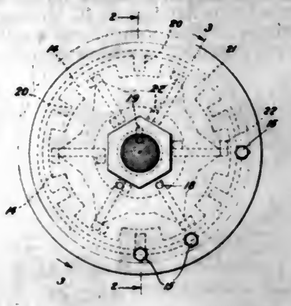
2,573,297
MOUNT FOR ELECTRON DISCHARGE DEVICES
Dean G. Burnside, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 9, 1949, Serial No. 97,936
11 Claims. (Cl. 313—296)



1. An ultra high frequency electron discharge device including a cathode and control and screen grids, said grids having side rods and wire strands affixed thereto, a portion of said wire strands intermediate said side rods on each of said grids lying in a common plane, said portion of said wire strands on said grids being in registry with said cathode and relatively closely spaced with respect to each other and said cathode, said side rods being spaced farther from the plane of said cathode than said portion of said grids, a surface of said cathode and said side rods lying in two spaced planes.

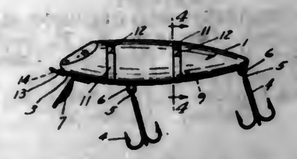
2,573,298
TORSIONAL VIBRATION DAMPENER
George S. Butenkoff, Westwood, N. J.
Application May 12, 1947, Serial No. 747,403
3 Claims. (Cl. 74—574)

1. A torsional vibration dampener adapted for use with a driving shaft comprising a hub, means attaching the hub to the driving shaft and adapted to rotate the same therewith, a rim concentric with the hub and spaced therefrom, a plurality of fins disposed on the bottom surface portion of the rim, means securing the rim to the hub and adapted to leave a substantially liquid



tight chamber therebetween, a plurality of spring members, one end of the spring members being secured in the hub rim with the free ends extending radially between the fins, a weight member disposed on the free end of each spring member, and a viscous liquid disposed in the liquid tight chamber.

2,573,299
FISH LURE
Kenneth E. Cannon, St. Paul, Minn.
Application May 20, 1950, Serial No. 163,168
5 Claims. (Cl. 43—42.36)

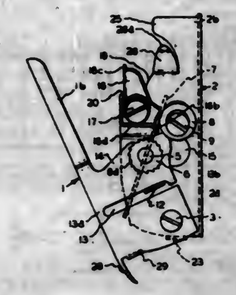


1. A fish lure comprising a plug-like body, said body being provided with a longitudinally-extended channel, a hook mounting strip snugly receivable within said channel, said body further being provided with an annular groove which intersects said channel, and a split lock ring snugly mounted in said groove, said lock ring adapted to receive said mounting strip between its spaced ends and adapted to embrace said mounting strip when said mounting strip is received within said channel and rotary motion is imparted to said lock ring.

2,573,400
CAN OPENER
Arthur Carp, Hillsdale, Mich.
Application May 5, 1948, Serial No. 25,110
5 Claims. (Cl. 30—15.5)

1. A can opener comprising a lever member, a cutter wheel rotatably mounted upon said lever member, another lever member, a friction wheel rotatably mounted upon said second mentioned lever member, means pivotally connecting said lever members towards one end thereof while permitting relative longitudinal movement of said members to adjust the mutually engaging operative position of said cutter and friction wheels, the latter being mounted upon their respective lever members intermediate said pivotal connection and the free ends of the lever

members and being so located that peripheral portions thereof overlap one another in clamp forming spaced relationship in the closed condition of the lever members, whereby it is possible to grip the peripheral edge portion of a can between the two wheels, a handle member for rotating one said wheel, a separate lever



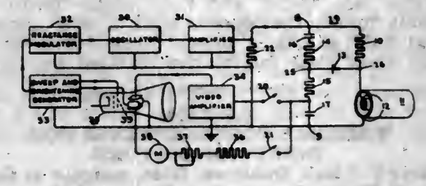
member, means pivotally mounting said separate lever member upon the lever carrying said cutting wheel in spaced relation to one side of the latter, said separate lever member being formed and located to exert pressure against the top of a can to which the opener is applied, whereby to position the cutting wheel and the friction wheel for their required operations.

2,573,401
LOUVER ANTENNA
Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 13, 1947, Serial No. 785,584
3 Claims. (Cl. 250—33.65)



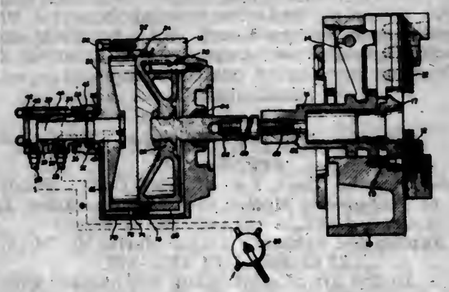
2. A radar homing antenna arrangement including a pair of beam antennas mounted one on each side of an end of a vehicle body, said body having conductive areas at least where said antennas are mounted, each of said antennas including a number of radiator elements arranged in a line along the length of said vehicle body, said radiators each being in the form of a narrow conductive flap attached along one edge to said conductive area and forming a small angle with respect to the plane of said area and means energizing an intermediate one of said radiator elements including a two conductor transmission line having one conductor connected to said conductive area and the other to said flap, the remainder of said radiator elements being parasitically energized, the conductive areas of said body and said beam antennas cooperating to produce overlapping radiation patterns.

2,573,402
BAND WIDTH INDICATOR
James K. Chapman, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application October 12, 1948, Serial No. 54,101
8 Claims. (Cl. 175—183)



4. In combination, an impedance measuring network having two parallel conducting paths, the junctions of said paths constituting the input points to said network, an oscillator supplying an output at a central frequency to said input points, one of said paths comprising two equal resistances and two equal capacitances serially connected, each of said capacitances being connected to one of the input points and the junction of said resistances constituting a first conjugate point, the other of said paths comprising a reference impedance and an unknown impedance whose junction provides a second conjugate point, a rectifier connected across said conjugate points, a meter and a cathode ray indicator connected in parallel with the capacitance adjacent to said unknown impedance, a sweep generator for providing a horizontal deflection in said cathode ray indicator, and a reactance modulator having an input connected to said sweep generator and an output connected to said oscillator, thereby to vary the frequency of said oscillator synchronously with the sweep of said indicator, said sweep generator providing sweep voltages to said reactance modulator and to said indicator during an interval of time which is short relative to the interval between successive sweep voltages, whereby said meter indicates substantially the magnitude of said unknown impedance at said central frequency.

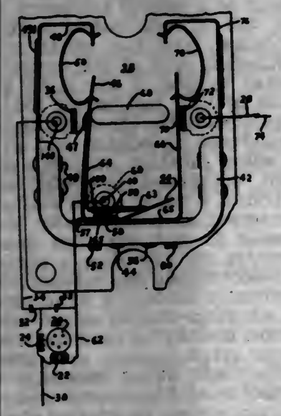
2,573,403
FLUID OPERATED CHUCK
Albert E. Church, New Britain, Conn., assignor to Union Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application August 2, 1948, Serial No. 41,908
5 Claims. (Cl. 279—4)



3. Fluid supplying means for a chuck comprising a cylinder mounted for rotation with the chuck, a cover plate closing one end of said cylin-

der, an annular extension on said cover plate extending within said cylinder, a pressure tight packing between the end surface of the annular portion of said cover plate and a surface of said cylinder, a piston slidable within said cylinder, the cylindrical surface of which overruns the packing in all positions of said piston, a rod connecting said piston to jaw operating members within said chuck, and fluid supply means to admit fluid to the opposite ends of said cylinder, said fluid admitting means being connected to said cover plate for relative rotation therewith.

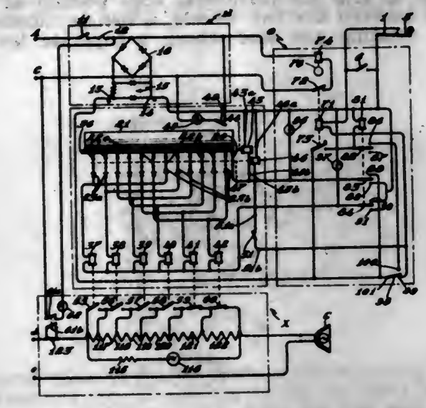
2,573,484
THERMAL CONTROL MEANS FOR INDUCTION MOTORS
Harry F. Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 14, 1949, Serial No. 104,652
15 Claims. (Cl. 318—221)



1. A control including a support, a bimetal strip means supported upon said support, a control means connected to and operated by the movement of a portion of said strip means, said control means having a portion connected to said support, means including a heating circuit under the control of said control means for heating said strip means, a second heating means located closely adjacent to said strip means, a second heating circuit connected to said second heating means for energizing said second heating means to heat said strip means, and a current responsive switch means having a thermal current sensitive actuating means connected in series with said second heating circuit and a normally open switch contact mechanism actuated thereby for shunting said second heating means.

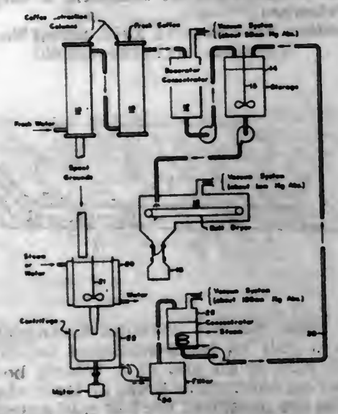
2,573,485
CINEMATOGRAPHIC LIGHT CONTROL APPARATUS
Lauriston E. Clark, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application February 5, 1949, Serial No. 74,727
23 Claims. (Cl. 315—292)

1. In the art of controlling mechanism with a record having a plurality of columns of code marks, apparatus comprising a conveyor for advancing the record lengthwise of the columns to successive positions along a predetermined path, a plurality of detectors disposed adjacent said path to respond to said marks, a selecting switch operative to render certain of the detectors only operative while the record is in each of said



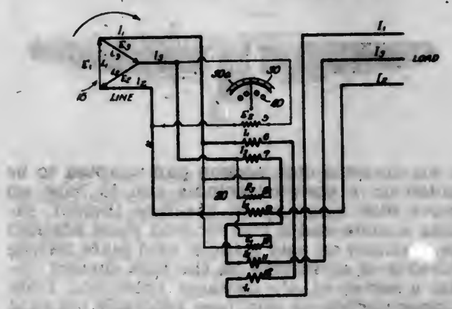
positions so that different columns are effective at different times, and a sequencing switch operative to actuate said conveyor and said selecting switch concomitantly.

2,573,486
FOOD PRODUCT
Philip J. Clough, Reading, Richard S. Morse, Waban, Edward G. Heller, Medfield, and Robert A. Stauffer, Weston, Mass., assignors to National Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 8, 1950, Serial No. 154,772
8 Claims. (Cl. 99—71)



1. A process for producing a soluble coffee which comprises extracting soluble coffee solids from roasted, freshly ground coffee by passing through said coffee water which has a temperature not much greater than 100° F.; stopping said water extraction when about 18–20% by weight of the coffee has been extracted as soluble coffee solids; treating a portion of the extracted coffee grounds to remove additional soluble coffee solids by hydrolyzing said grounds to create an essentially tasteless hydrolysis product; said hydrolysis step comprising the steps of preparing an aqueous suspension of said extracted grounds and an absorptive colloid, acidifying said suspension by adding sulfuric acid to give a sulfuric acid concentration of about 1% by weight of the aqueous suspension, cooking said acid suspension for approximately 1 hour at about 212° F., raising the pH of said cooked suspension to approximately 5–6 by adding a basic compound which forms a relatively insoluble sulfate, cooling said suspension, centrifuging said cooled suspension to separate the majority of the solution from the suspended solids, and filtering said resultant solution to provide a substantially tasteless solution containing substantially no undissolved solids and having less than 10% dissolved solids; concentrating said tasteless solution to provide a solids concentration at least as high as that of said water extract; adding said concentrated tasteless solution to said extract to give a mixture having a ratio by weight of approximately 4 to 1 of dissolved water extract solids to dissolved tasteless solids; and drying said mixture to remove substantially all of the water therefrom.

2,573,487
APPARATUS FOR MEASURING EXCESS REACTIVE KILOVOLTAMPERE DEMAND
Orville K. Coleman, West Lafayette, Ind.
Application October 15, 1948, Serial No. 54,662
6 Claims. (Cl. 171—24)



1. In apparatus for measuring excess reactive kilovoltampere demand of a variable load in an electrical system, an integrating alternating current watthour meter having in combination at least one coil element for producing a negative torque proportional to the energy component of the load, at least one coil element for producing a positive torque which is proportional to the reactive component of the load, the latter of said coil elements being adapted to provide torques which are equal and opposite to the energy torques provided by the first of said coil elements only with existence of a predetermined value of power factor for said load, an indicating means for indicating and integrating the excessive reactive component for all load conditions in which the power factor is below said predetermined value, said indicating means adapted to be responsively controlled by the differential of said torques produced by said coils as applied to said indicating means, and ratchet means for preventing a reverse movement of said indicating means.

2,573,488
COMBINED FLUID-PRESSURE AND MANUALLY OPERATED VALVE
John P. Conlan, New York, N. Y.
Application October 12, 1945, Serial No. 621,933
4 Claims. (Cl. 137—153)

1. In a steam valve having a hollow barrel formed at its bottom with a port surrounded by a valve seat and its top closed by a removable cap formed with a concentric opening, a fitment fixedly mounted in the opening of the cap and formed with a threaded recess extended in from its bottom end and a passageway extended from the top of said recess through the top of said fitment, an expandable bellows within said barrel, a threaded tubular nipple on the top end of said bellows and threaded into said recess connecting the top of said bellows to said fitment, a valve on the bottom of said bellows to be seated on the valve seat to close the port when said bellows is expanded, a tubular neck extended upward from said fitment concentric with said passageway, a boss within said bellows directly over said valve, a tubular casing closing the top end of said

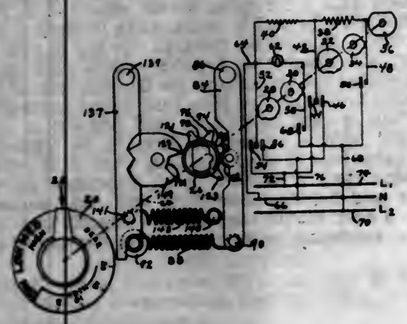


tubular neck, means for supplying air under pressure to the interior of said tubular neck, a stem having its bottom end passing slidably through said passageway, said nipple and into said bellows and connected to said boss and having its top end within said tubular neck, said stem having a diameter smaller than the diameter of said passageway and the interior of said nipple providing a clearance for the air under pressure to pass from said tubular neck into said bellows to expand said bellows and seat said valve on said valve seat, and resilient means within said tubular neck urging said stem upward when the air under pressure is released to collapse said bellows and hold said valve in a position unseated from said valve seat.

2,573,489
DOMESTIC APPLIANCE
William C. Crimmins, Van Buren, Ind., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 2, 1948, Serial No. 30,595
5 Claims. (Cl. 161—1)

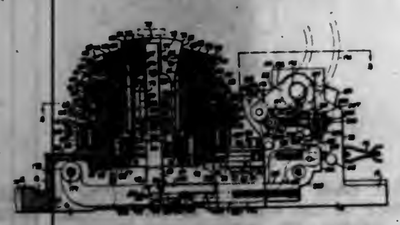
1. A control including a movable shaft means, a control device operated by the operation of said shaft means, said shaft means being provided with a primary detent means having a projection, a pivoted rockable secondary detent means having two spaced projections, said spaced projections having sufficient length and spread to alternately present themselves at two different locations in the path of movement of the primary detent projection, and resilient holding means for said secondary detent means, said resilient holding means and said secondary detent means having cooperating means pro-

viding two holding stations for holding either of the spaced projections alternately in the path



of movement of the projection of the primary detent means.

2,573,410
WORK-HOLDING FIXTURE
John W. Dearborn, Ansonia, Conn.
Application May 1, 1946, Serial No. 666,320
8 Claims. (Cl. 90—57)



6. In a work-piece chucking-device having a work-piece indexing-head and a chuck in said indexing-head for holding a work-piece: indexing-means for actuating said indexing-head comprising an indexing-arm having an eccentric face at one end thereof; an indexing-arm supporting-member carried by the said indexing-head; means pivotally mounting said indexing-arm on said supporting-member to hold the said eccentric face of said indexing-arm in operative relationship with said indexing-head whereby pivotal movement of said indexing-arm relative to said supporting-member moves said eccentric face into frictional engagement with said indexing-head for rotating the latter in the direction of movement of said indexing-arm; and brake-means for said indexing-head comprising a pair of brake-shoes pivotally mounted on substantially opposite sides respectively of said indexing-head adjacent the periphery thereof and a pair of spring-loaded lever arms arranged to engage said brake-shoes respectively in engagement with the periphery of said indexing-head whereby the latter is frictionally held against rotation except when rotated by said indexing-arm.

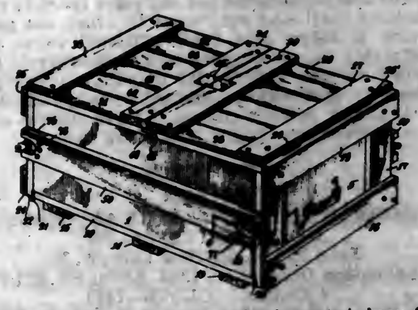
8. In a device for indexing a work-piece: a base having a lip on the underside thereof; an indexible-head on said base; a chuck supported in said head for gripping a work-piece; means for indexing said head; a work-piece ejector mounted in said chuck; ejector-actuating means; pivotal-means on said base arranged to support said ejector-actuating means on the underside of said base for pivotal movement relative thereto in a substantially-vertical plane, said ejector-actuating means having an apertured portion arranged to accommodate the lower end of said ejector; manually-operable latch-means; pivotal-means arranged to secure said manually-operable latch-means to the apertured portion of said ejector-actuating means for pivotal movement in the horizontal plane thereof to and from engagement with the lower end of said ejector, thereby to connect said ejector to said ejector-actuating means for operation thereby and to disconnect said ejector from said ejector-actuating means; and a finger projecting from said manually-operable latch-means, said finger being arranged normally to cooperatively engage with the lip of said base to hold said pivoted ejector-actuating means from swinging down below the substantially-horizontal plane of said base, and to automatically disengage said lip upon unlatching said ejector from said ejector-actuating means to permit said pivoted ejector-actuating means to swing downwardly below the horizontal plane of said base.

2,573,411
ABRASIVE DISK BACKUP PAD
Frank De Michel, Chicago, Ill.
Application June 3, 1946, Serial No. 30,897
4 Claims. (Cl. 51—197)



1. An abrasive disk backup pad adapted to be mounted on a powered spindle and to have an abrasive disk mounted on the face thereof, including a plate and a hub for said plate adapted to be mounted on said spindle, said plate having a plurality of elevations on the face thereof defining a series of air passages extending from the inner portion of said face generally outward to open to the periphery thereof, said plate and said hub having a plurality of aligned ports therethrough communicating with the inner end of said passages, and tubular securing members situated in a plurality of said ports to link said hub and said plate together and admit air to the inner end of said passages.

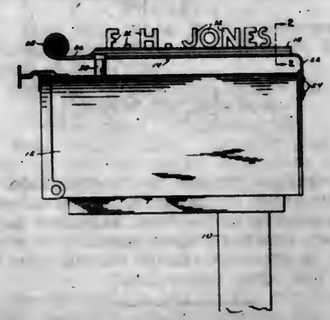
2,573,412
PORTABLE FILING CASE
John E. Diefendorf, Jr., West Point, N. Y.
Application May 23, 1946, Serial No. 671,253
3 Claims. (Cl. 206—1)



1. Combined stand and shipping container for a filing case including in combination a filing case

having rectangular surfaces, a rectangular frame attached to the bottom of said case, rectangular frames hingedly connected to the ends of the bottom frame, similar top frames hingedly connected to the opposite ends of said end frames, said end and top frames being foldable to cover the ends and top respectively of said case and secured together to form a shipping crate for the case and unfoldable to underlie the case to form upright supporting legs therefor wherein said legs comprise an end frame and a top frame in substantially co-planar prolongation.

2,573,413
NAME SIGN AND BRACKET FOR MAIL BOXES AND THE LIKE
Harold W. Duncan, Akron, Ohio
Application January 25, 1949, Serial No. 72,635
9 Claims. (Cl. 40—145)



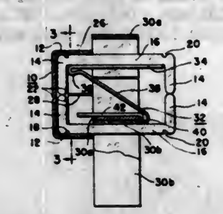
1. An insertable letter sign comprising an extruded aluminum section having an inverted T-slot lengthwise thereof, one end of the section being cut away to remove the slot and leave a flat bar portion, the flat bar portion being bent downwardly and adapted to be secured to a mail box or the like, means at least partially closing the slot adjacent one end thereof, a plurality of letters, a footer on each letter of greater length than the width of the letter, said footer being formed by a plurality of integral legs bent in opposite directions out of the plane of the letter, said footers being slidably received in the slot in end to end contact and being pushed against the closing means, and means closing the other end of the slot to secure the letters in position.

2,573,414
HOT WORK GARMENT
Karl L. Dunn, Corning, N. Y.
Application March 5, 1947, Serial No. 732,565
6 Claims. (Cl. 128—144)



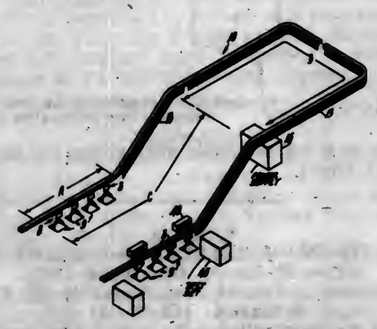
1. A sleeved and legged garment constructed to enclose the human body from the neck down to the hands and feet of the wearer, said garment having a neck opening joining a body opening and having arm and leg openings, means for closing the latter openings about a wearer's wrists and ankles to the escape of any substantial amount of air under moderate positive pressure within the garment, means for progressively closing the body opening from the end opposite the neck opening to control the exhaust of air in the region adjoining the juncture of the neck and body openings, a skirted helmet arranged over the neck opening, and means for supplying air to the interior of said garment to maintain the same inflated about a wearer while exhaust of air continues from a portion of the garment covered by the helmet skirt.

2,573,415
EXPANSIBLE BRACELET
Henry F. Ebert, Brooklyn, N. Y.
Application November 30, 1946, Serial No. 713,205
4 Claims. (Cl. 59—79)



1. In a bracelet, a pair of hollow end shell members, a pair of transverse members having substantially perpendicularly disposed leg members at opposite ends thereof, said leg members being disposed within said end shell members with the free ends of the leg members in confronting relation, and means for securing said leg members in said shell members comprising material displaced from one of said members.

2,573,416
APPARATUS FOR SIMULTANEOUSLY TRANSPORTING AND PROCESSING ELECTRON DISCHARGE DEVICES, INCLUDING AGING THE SAME
Robert C. Eddy, Denver, Colo., assignor to Radio Corporation of America, a corporation of Delaware
Application February 23, 1950, Serial No. 145,756
11 Claims. (Cl. 316—32)



1. A conveyor for simultaneously processing and transporting electron discharge devices, comprising a movably mounted endless chain,

a casing supporting said chain, a plurality of electrically conducting contact bars insulatingly supported from said casing adjacent a portion of the path of said chain and spaced a predetermined distance therefrom, a plurality of carriers suspended from said chain and spaced one from the other, said carriers each further comprising a contact cubicle rigidly connected to said chain and a holder swingably suspended from said contact cubicle, and a plurality of contacts mounted on said contact cubicle in insulated relation for making electrical contact with said contact bars and projecting from said contact cubicle far enough to engage and slide along said contact bars.

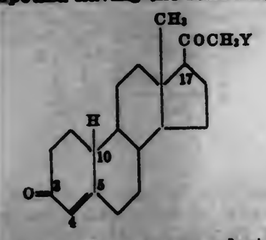
2,573,417

NORDESOXYCORTICOSTERONE ESTERS

Maximilian R. Ehrenstein, Philadelphia, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania

Application May 3, 1948, Serial No. 25,824
6 Claims. (Cl. 260—397.4)

1. A compound having the following structure:



where Y is an acyloxy group selected from the group consisting of unsubstituted aliphatic acyloxy groups of 2–6 carbon atoms.

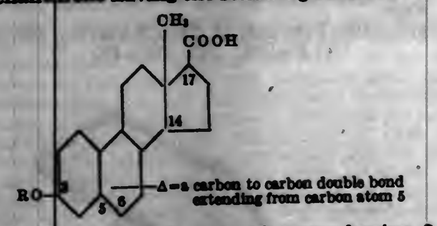
2,573,418

NORETIOCHOLENIC ACIDS AND PROCESS

Maximilian R. Ehrenstein, Philadelphia, Pa., assignor to The Trustees of the University of Pennsylvania, Philadelphia, Pa., a corporation of Pennsylvania

Application November 2, 1950, Serial No. 193,693
4 Claims. (Cl. 260—397.1)

1. A 13-monomethyl-cyclopentanopolyhydrophenanthrene having the following structure:



where R is an aliphatic acyl group having 2–6 carbon atoms.

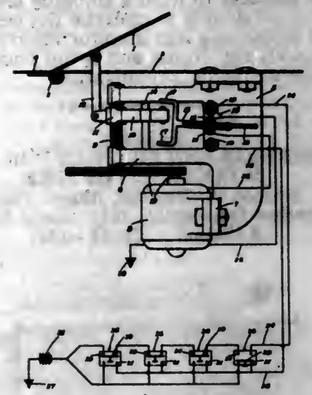
2,573,419

AIR PRESSURE RELIEF FOR ENCLOSURES

William W. Emery, Glen Ellen, Calif.

Application July 15, 1946, Serial No. 683,671
6 Claims. (Cl. 98—2)

1. A pressure relief valve unit for an enclosed compartment and a normally closed door providing access to the compartment, a valve mounted in connection with the compartment and adapted when open to establish atmospheric communication with the interior of the compartment, the valve normally being closed, a reversible electric motor operative to open and close the valve, a reversing circuit for the motor, said circuit including reversing leads, a reversing switch in the circuit connected to said leads,



motor actuated means to reverse said switch when the valve is motor actuated to open or closed positions, and a door actuated switch in said circuit arranged, upon opening or closing of the door, to close the circuit through one lead or through the other respectively.

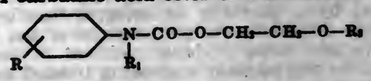
2,573,420

SUBSTITUTED CARBAMIC ACID ESTERS

Kurt Engel, Basel, and Charles J. Morel, Arlesheim, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application November 3, 1950, Serial No. 194,042. In Switzerland November 23, 1949
3 Claims. (Cl. 260—471)

1. A carbamic acid ester of the formula:



wherein

R represents a member selected from the group consisting of hydrogen, halogen, methyl and methoxy,

R_1 represents a member selected from the group consisting of methyl and ethyl and

R_2 represents a member selected from the group consisting of methyl, ethyl and propyl.

2,573,421

CAM ACTUATED PIVOTED JAW WRENCH

Monroe J. Feiring, Hamilton, R. I.

Application June 3, 1947, Serial No. 752,065
3 Claims. (Cl. 81—78)



1. In a wrench of the character described, the combination of a handle portion, a removable head portion comprising a fixed jaw and a movable jaw, a first resilient means carried by said removable head portion for normally urging said movable jaw in a direction toward said fixed jaw, means for limiting the movement of said movable jaw toward said fixed jaw, and means for locking said movable jaw against movement in said last named limited position, said last named means comprising a locking lever pivotally mounted on said handle portion in the area where said handle is normally gripped for use and normally held out of the path of movement of said movable jaw by a second resilient means, said locking lever being so designed that a portion thereof will be automatically moved into abutting relationship with said movable jaw to lock the same against movement in a direction against the action of said first resilient means whenever said handle is gripped for effective use.

2,573,422

WAX COMPOSITION AND PREPARATION THEREOF

John J. Fish, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 24, 1947, Serial No. 736,615
24 Claims. (Cl. 106—245)

1. A wax composition characterized by the property of forming stable emulsions in water, which emulsions upon drying form highly glossy films, consisting of the product obtained by subjecting a hydrocarbon wax material comprising predominantly hydrocarbons solid at normal room temperatures to treatment, at a temperature of at least 275° F., but below 400° F. with an oxygen-containing gas in the presence of an oxidation catalyst, approximately 0.3 to 0.7% by weight based upon the weight of said hydrocarbon wax material of chlorinated paraffin, and approximately 0.5 to 1.0% by weight based upon the weight of said hydrocarbon wax material of a material selected from the group consisting of drying oils, blown drying oils, semi-drying oils, blown semi-drying oils, and mixtures thereof, said oxygen-containing gas being introduced at the rate of approximately 1.7 cu. ft. per hour per pound of said wax material, said wax composition having an acid number not less than approximately 12 and not greater than approximately 30, a saponification number not greater than 85, a ratio of saponification number to acid number of at least 2 to 1, and a penetration value below 10.

2,573,423

WAX PRODUCTS AND PREPARATION THEREOF

John J. Fish, New York, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 21, 1948, Serial No. 10,182
8 Claims. (Cl. 106—245)

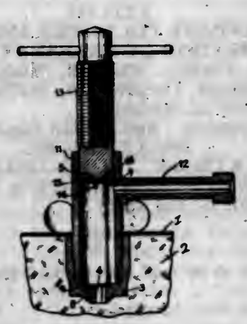
1. A wax composition characterized by the property of forming stable emulsions in water, which emulsions upon drying, form highly glossy films, comprising the product obtained by subjecting a hydrocarbon wax material comprising predominantly hydrocarbons solid at normal room temperatures to treatment with an oxygen-containing gas, at a temperature of at least 270° F., but below the temperature at which decomposition of the said wax material occurs, in the presence of 1–10% by weight of a polymerized lower alkylene hydrocarbon material, 0.3 to 1.0% by weight of chlorinated paraffin, an oxidation catalyst and about 0.5% by weight of a material selected from the group consisting of drying oils, blown drying oils, semi-drying oils, and mixtures thereof, said oxygen-containing gas being introduced at the rate of approximately 1.7 cu. ft. per hour per pound of said wax material, said wax composition having an acid number of not less than 12, a ratio of saponification number to acid number of at least 3 to 1, a melting point of approximately 192 to 196° F., and a penetration value below 7.

2,573,424

PRESSURE REDUCING DIAPHRAGM STRUCTURE

Alexander L. Flamm, Bridgeport, Conn., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey

Application December 7, 1948, Serial No. 63,957
3 Claims. (Cl. 62—1)



1. In combination, a container for gas under pressure having a gas conducting passageway therein and a seat surrounding said passageway, a thin resilient metal diaphragm member mounted in said seat having in its central portion a pressure reducing aperture therethrough communicating with said passageway, said diaphragm having a natural somewhat concavo-convex curvature wherein its central portion surrounding said aperture is displaced to one side with respect to the general plane of the rim of the diaphragm and fitting within said seat when in such natural shape, but the central portion of said diaphragm being deformed to reverse its aforesaid natural curvature and expand the rim of the diaphragm into locking engagement in said seat, said diaphragm being deformable back to its natural curvature to release said engagement, and means engaging a face of said diaphragm to prevent reversal from its second mentioned curvature to its first mentioned curvature.

2,573,425

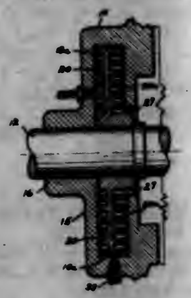
SEAL FOR CENTRIFUGAL MACHINES

Frank H. Fletcher, Jr., Flushing, N. Y., assignor to Ethel K. Haferkamp and Mary Elliott Haferkamp, both of Oswego, N. Y., and Virginia H. Fletcher, Flushing, N. Y.

Application June 23, 1947, Serial No. 756,429
3 Claims. (Cl. 286—9)

2. A liquid seal disc provided with a plurality of concentric grooves in both of its faces, all of said grooves being of substantially the same width and less than 360° length, with the grooves in one face being deeper than the grooves in the

opposite face, said grooves being adapted to contain a liquid and the faces thereof to impart



centrifugal force to said liquid when said disc is rotated.

2,573,426
SILCARBANE POLYMERS AND THEIR METHOD OF PREPARATION
Joseph D. Francis, Midland, Mich., assignor to Dow Corning Corporation, Midland, Mich., a corporation of Michigan
No Drawing. Application June 8, 1950, Serial No. 166,985
6 Claims. (Cl. 260—448.2)

1. Copolymeric fluids containing from 50 to 95 mol per cent of the units

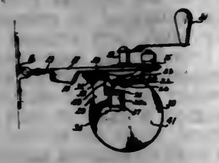
$$-CH_2Si-$$
$$\quad R_2$$

and from 5 to 50 mol per cent of the units

$$-CH_2SiCH_2-$$
$$\quad\quad R$$

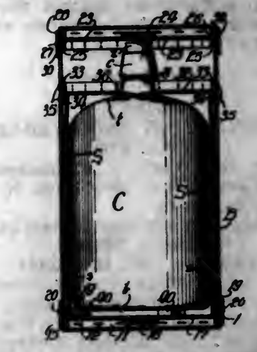
in which R is a radical each selected from the group consisting of alkyl and monocyclicaryl radicals and in which said units are bonded together by linkage of the free carbon bonds to the free silicon bonds of said units.

2,573,427
CAN-OPENING DEVICE
John F. Fralich, Stamford, Conn., assignor to The Indiana Steel Products Company, Chicago, Ill., a corporation of Indiana
Application June 27, 1947, Serial No. 757,427
2 Claims. (Cl. 30—124)



1. A can opening device comprising a can opener in combination with a permanent magnet assembly, said assembly comprising a fixed bracket arm secured to said can opener and extending laterally therefrom in spaced relation to the cutting elements of said opener, a cylindrical permanent magnet loosely mounted on said bracket arm for rotation about a longitudinal axis normally lying in a horizontal plane and the loose mounting of the magnet in said bracket accommodating vertical and tilting movements of the magnet, and separate cylindrical pole pieces rigidly secured to the circular end faces of said magnet and extending therebeyond for freely rolling contact with the top of a can retained by said opener with the loose mounting of said magnet permitting relative movement of said pole pieces to maintain rolling contact with said can top during severance of the same by operation of said opener.

2,573,428
CARBOY CONTAINER
Harry R. Gardner, Rahway, N. J., assignor to The Greif Bros. Cooperage Corporation, Cleveland, Ohio, a corporation of Delaware
Application December 27, 1948, Serial No. 67,338
4 Claims. (Cl. 217—52)

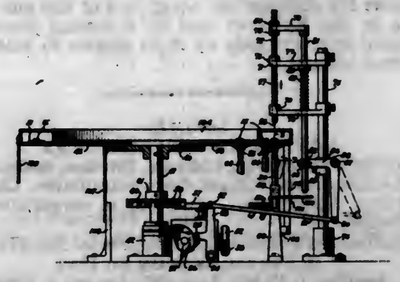


1. A container for a carboy comprising a cylindrical plywood drum wherein is secured an apertured head of circular form extending transversely thereof at a point remote from the bottom end of the drum, the circular head being in pressure engagement with the drum walls circumferentially to assure circularity thereof, a pair of spaced circular stays affixed to the drum interiorly thereof, one abutting the head on its under side to afford support thereto and the other at a point near the bottom end of the container, a bottom head affixed to the drum in abutting relation to the lower stay and engaging circumferentially with the drum to assure circularity thereof, and a circumferentially continuous resilient plywood shell of generally circular form, fitted within the drum to lie inwardly of the two stays and wholly between the two heads therewithin for axial confinement thereby, the meeting edges of the shell being disconnected to permit circumferential expansion of the shell outwardly into the annular space defined by the inner faces of the drum and the two stays, the shell diameter internally being fixed by the surrounding circular stays and being such that, when outwardly engaged with the spacer stays, it will inwardly engage the cylindrical walls of the carboy with pressure, and the shell being free to expand outwardly between the stays into the space between itself and the walls of the cylindrical drum while exerting constant tension upon the carboy walls tending to float the carboy in an axial position within the container.

2,573,429
MEANS FOR FORMING CONTAINERS
James Geier, Troy, N. Y.; Bertha R. Neeb, executrix of estate of James Geier, deceased, assignor to Geier & Bluhm, Inc., Troy, N. Y., a corporation of New York
Original application December 3, 1942, Serial No. 467,697. Divided and this application April 18, 1945, Serial No. 589,024
7 Claims. (Cl. 49—7)

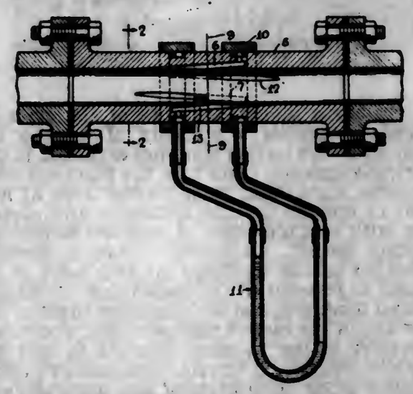
1. In the manufacture of levels and other glass containers for fluids, a machine comprising a plu-

rality of supports for the containers, each support having a guiding opening formed therethrough, a carrier for the supports, means intermittently moving the carrier, at least one source of heat situated in the path of movement of the container-carrying supports, a reciprocal plunger situated substantially close to the source of heat



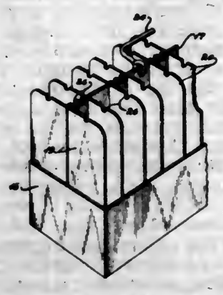
and adapted to form a projecting tip in the container in coaction with the guiding opening through the support, means connected with the means intermittently moving the carrier for operating the plunger, and means actuated by the plunger operating means for removing the source of heat while the tip is being formed.

2,573,430
FLOW-MEASURING DEVICE
Vincent Gentile, Jr., Brooklyn, N. Y.
Application March 14, 1947, Serial No. 734,785
8 Claims. (Cl. 73—213)



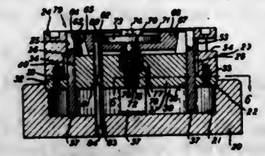
1. In apparatus of the character described, a tube having an internal bore providing a passage for the flow of fluid relative to said tube, said passage being substantially unobstructed within the inner surface of the surrounding tube wall, means for transmitting through the wall of said tube pressures corresponding to viscous forces at the inner surface of said wall during flow of said fluid through said flow passage, said means comprising a pressure-sampling passage in said tube wall and opening at one end into said flow passage at the inner surface of said wall, the axis of said pressure-sampling passage at said opening being inclined at an angle of the order of 85° with respect to a plane normal to the flow streamlines near said opening, and means communicating with the other end of said pressure-sampling passage for connecting the same to a manometer.

2,573,431
FISHING TACKLE CONTAINER
Glenn Gibson, Southern Pines, N. C.
Application October 11, 1946, Serial No. 702,642
4 Claims. (Cl. 43—54.5)



1. A rack for carrying fishing lures, comprising a lower, open-bottomed casing section including horizontally elongated, upright side walls and end walls, said casing having therein vertically elongated upright end walls of materially greater height than the side walls, a longitudinal partition positioned midway between the side walls of substantially the same height as said latter end walls and connected at its ends to the latter, and a plurality of transverse partitions secured to said longitudinal partition between the latter end walls and extending to the side walls, and being of substantially the same height as said latter end walls and projecting above the side walls a distance sufficient to expose to view a substantial portion of hook supported lures in the compartments formed by the partitions and said latter end walls, said transverse partitions and said latter end walls being notched inwardly of their outer edges to receive the hooks associated with said lures.

2,573,432
ASSEMBLING FIXTURE
Byron P. Girard and Bruno A. Raetsch, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1946, Serial No. 685,728
6 Claims. (Cl. 29—203)



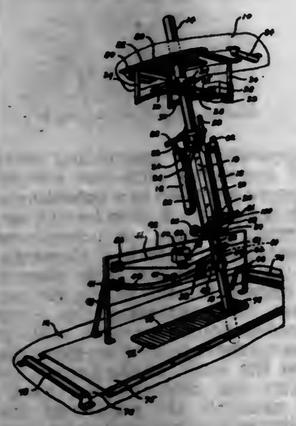
4. An apparatus for assembling potentiometer cards and associated strip-like elements in an annular groove provided in a potentiometer housing, which comprises a base having an annular groove therein in which a potentiometer card and its associated strip-like elements may be assembled in a relatively loose edge-wise position with respect to each other, means provided on the base for orientating the potentiometer card in predetermined position with respect to the base, said groove having an expandable inner wall so that the width of the groove may be decreased after the potentiometer card and the associated elements are positioned therein, an annular member slidably positioned in the groove so one face thereof forms a movable bottom for said groove, the face of said slidable member

forming the bottom of said groove having means provided thereon for positioning the edges of the potentiometer card and its associated elements at different elevations with respect to each other, means for expanding the inner wall of said groove to clamp the potentiometer card and its associated elements together in the assembling groove as a composite unit, means provided on the slidable member and projecting externally of the base so that the slidable member may be moved to the top of the assembling groove and completely eject the composite unit therefrom, and means provided on the annular member for limiting the movement of the annular movement within said groove, whereby when the base is positioned over a potentiometer housing so that the orientating means is properly aligned therewith movement of the slidable member serves to slide the composite unit from the groove in the base into a groove provided in the potentiometer housing a predetermined distance.

2,573,423
POLYFUNCTIONAL COMPOSITIONS
Charles G. Goebel, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 1, 1946, Serial No. 651,418
5 Claims. (Cl. 260—398)

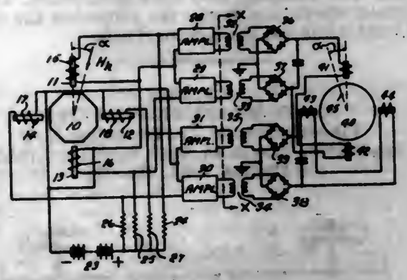
1. A new composition of matter which has two or more terminal functional groups, said composition comprising: the product of a Friedel-Crafts synthesis wherein each mole of an aromatic compound having at least two unconjugated benzene rings is combined with at least two moles of aliphatic compound of one or more of the classes: halogenated carboxylic acids, esters, amides, nitriles and unsaturated carboxylic acids, esters, amides and nitriles, the said aliphatic compounds having a chain length of 9–24 carbon atoms.

2,573,424
MOUNTING FOR ROCKET LAUNCHERS
Charles D. Graham, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 8, 1945, Serial No. 581,693
8 Claims. (Cl. 89—37.5)



1. In combination, an airplane having walls enclosing a compartment, a rocket gun, movable means for supporting the gun within said compartment with the muzzle end of the gun projecting through one wall of said compartment and with the blast end of the gun projecting through a different wall of said compartment, said supporting means including a first traversing means for shifting one end of said gun relative to the one wall in a first plane, and a second traversing means for shifting the other end of the gun relative to the different wall in a second plane arranged substantially at right angles to said first named plane.

2,573,435
NAVIGATION INSTRUMENT
Carl-Erik Granqvist, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Lidingo (near Stockholm), Sweden, a corporation of Sweden
Application January 29, 1945, Serial No. 575,174
In Sweden January 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires January 21, 1964
8 Claims. (Cl. 33—204)

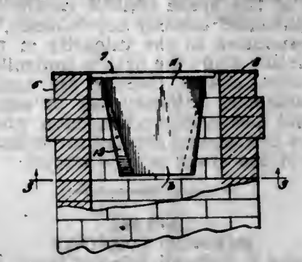


1. An earth induction device of the class described comprising a plurality of radially disposed inductors having windings arranged in diametrically opposite pairs with the pairs angularly displaced, a magnetic rotor having poles at least equal in number to said inductors and cooperating with said inductors to generate alternating currents therein, an indicator having elements connected to the windings on said pairs of inductors to respond to the instantaneous voltages induced therein due to the combined effect of said rotor and of the earth's magnetic field, and means responsive to the voltages supplied to said elements to indicate an angular displacement corresponding to the orientation of said inductors with respect to the earth's field, a source of polarizing potential, said windings having a common connection to one terminal of said source and resistors connected in series with each winding and connected to the other terminal of said source, whereby the inductors of each pair are oppositely polarized.

2,573,436
CHIMNEY PROTECTING HEAD STRUCTURE
Arthur W. Gray, Harbercide, Maine
Application June 11, 1948, Serial No. 32,463
1 Claim. (Cl. 98—37)

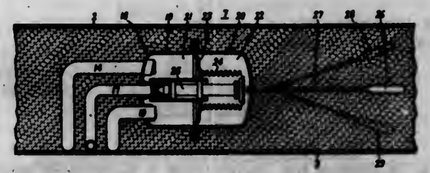
A chimney protector for conventional square chimneys comprising a cap plate for disposition atop a chimney, said plate having a centrally disposed squared opening, a dependent flange at the outer edges of said plate, and a downwardly and inwardly extending skirt affixed to the plate

at the edges of the opening therein and comprising four complementary side members, each of



said side members having one of its sides bent and attached to one of its adjacent side members.

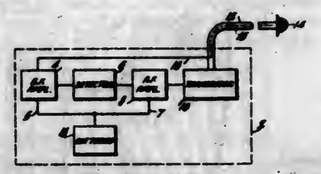
2,573,437
CALIBRATING MEANS FOR CONTROL DEVICES
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application November 26, 1949, Serial No. 129,668
1 Claim. (Cl. 62—2)



In combination with a refrigerator having spaced inner and outer walls, said walls being at different temperatures whereby a temperature gradient exists through the space from one wall to the other, a control device having a closed chamber, a movable element in one wall of said chamber, said chamber containing a charge of gas acting on said movable element, a temperature-responsive bulb disposed in the space between said inner and outer walls, a deformable tube for connecting said bulb in communication with said closed chamber, said tube being disposed between said inner and outer walls and extending in a direction generally parallel to said inner and outer walls, said bulb being mounted on the free end of said tube, said tube being bendable to assume various angles with respect to said inner and outer walls, whereby the distance of said bulb from said inner and outer walls is varied for calibrating said device.

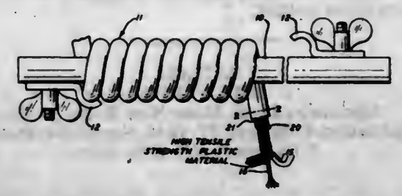
2,573,438
ELECTROACOUSTIC TRANSDUCER SET
Jarrett L. Hathaway, Manhasset, and William Hotine, Bayville, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application September 18, 1946, Serial No. 697,666
6 Claims. (Cl. 250—14)

1. In a radio receiver, an electro-acoustic transducer for producing sound waves, and means for conveying said sound waves to the ear of a person, said means including a flexible hollow tube having one hollow end communicating with said transducer, and a small hollow ear plug communicating with the other end of said flexible



hollow tube, and an antenna wire within said flexible hollow tube and coupled to said receiver.

2,573,439
RETRACTILE CORD AND METHOD OF MAKING RETRACTILE CORDS
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1947, Serial No. 720,671
16 Claims. (Cl. 174—69)



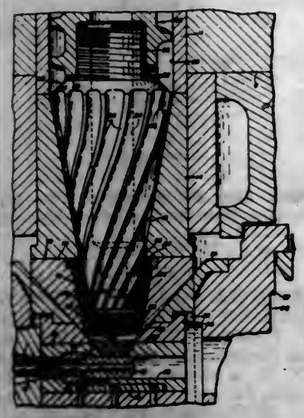
1. A retractile cord, which comprises a center strand, a plurality of insulated, flexible conductors wound in a close helix upon the center strand, and a covering of strands enclosing the conductors and the center strand, at least one of said strands consisting of a thermoplastic material, said cord being wound in the form of a close helix with all thermoplastic strands in said cord set in the forms they occupy in said helix to render the cord retractile.

11. The method of making retractile cords, which comprises winding a plurality of insulated conductors upon a flexible, thermoplastic central strand with a close lay to form a flexible cord therewith, winding the cord into the form of a close helix, and setting the flexible central strand in the position it occupies in said helix.

2,573,440
APPARATUS FOR PLASTICIZING PLASTIC MATERIAL
George E. Henning, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1948, Serial No. 25,368
2 Claims. (Cl. 18—13)

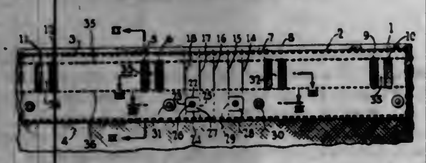
1. An apparatus for working and extruding organic, plastic material, which comprises an extruding cylinder having a passage therein, a liner positioned in the passage and extending from the entrance end thereof to a point short of the delivery end thereof, a stock screw mounted rotatably in the liner, an adapter provided with a frustoconical passage therein designed to abut the delivery end of the liner, a frustoconical extension secured to an end of the stock screw and projecting along and beyond the adapter, an extruding head secured pivotally to the extrusion cylinder and being provided with a frustoconical socket therein, a frustoconical strainer holder provided with a frustoconical passage therein de-

signed to fit over the end of the extension and fit into the socket in the extruding head, and a



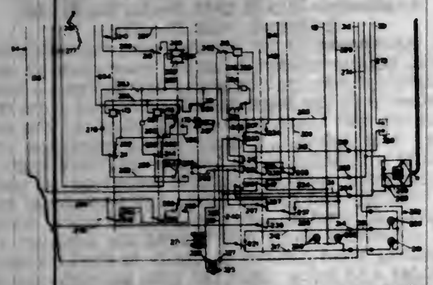
cup-shaped strainer element designed to fit into the strainer holder.

2,573,441
PLEATING
Alexander McD. Hess, New York, N. Y.
Application February 27, 1946, Serial No. 650,637
7 Claims. (Cl. 160—84)



2. A pleating tape formed with apertured tabs and with cooperating fasteners, one on one side of one tab remote from the other tab and the other on the side of the other tab remote from the first tab, one of said fasteners being projectable through the apertures in the tabs when in operative position and interconnectable with the other fastener whereby folds in the tape centered on a line intermediate the two tabs are maintained.

2,573,442
CIRCUIT INTEGRITY INDICATING SYSTEM
Claude M. Hines, Verona, Pa., assignor to Westinghouse Air Brake Company, a corporation of Pennsylvania
Application July 2, 1949, Serial No. 102,836
16 Claims. (Cl. 177—311)



1. For use in connection with a vehicle brake control circuit, apparatus for signaling the integrity of the brake control circuit, said apparatus comprising a first means responsive to the integrity of the brake control circuit while the brakes controlled thereby are released, a second means responsive to the integrity of the brake control circuit while the brakes controlled by the brake control circuit thereby are applied, and means controlled automatically by said first or said second means depending upon whether the brakes are released or applied for indicating the integrity of the brake control circuit.

2,573,443
MIRROR SUPPORT
Stanley T. Holland, Mineral Point, Wis.
Application January 30, 1947, Serial No. 725,239
3 Claims. (Cl. 248—284)

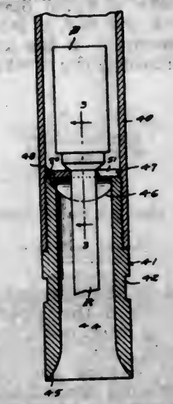


1. A device for supporting a rear view mirror on tractors and like vehicles, comprising an upright supporting arm, a sleeve within which said arm is telescoped, a ball-and-socket connection for the mirror and including a pivotal connection with the upper end of said arm enabling attachment thereof to the mirror, and universal adjustment means at the base of said sleeve enabling adjustment of the mirror both transversely and longitudinally of the vehicle, said last means including a bracket adapted to be mounted on the vehicle, a bearing member pivoted on said bracket for movement on an axis parallel with the axis of the pivotal connection between said mirror and said arm, and a pivotal connection between said bearing member and said sleeve.

2,573,444
SUCKER ROD FISHING TOOL
Theodore M. Hunt, Tulsa, Okla.
Application May 24, 1948, Serial No. 28,865
1 Claim. (Cl. 294—102)

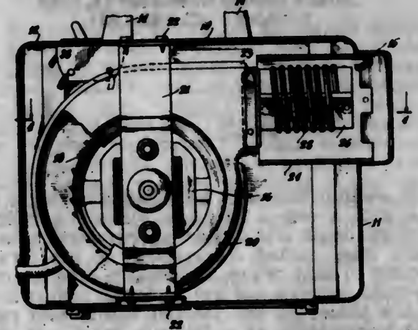
A sucker rod box grapple comprising a cylindrical body having an unbroken wall of substantially uniform thickness, a tubular socket having an ogee upper end engaging within the lower end of said body, said socket being formed with a central bore therethrough, a transversely arcuate bearing plate having a circular ogee rim, said rim corresponding in configuration to said ogee upper end and engageable about the entire periphery thereof and adapted to seat on said ogee upper end of said socket, said plate being formed with a radial cut-out, and means comprising an apertured lug and a pivot pin pivotally mounting said plate on said socket, said socket having a

pair of apertured upstanding lugs on the upper surface thereof, said pin passing through the aperture therein and the aperture in said first mentioned lug, said cut-out being adapted to



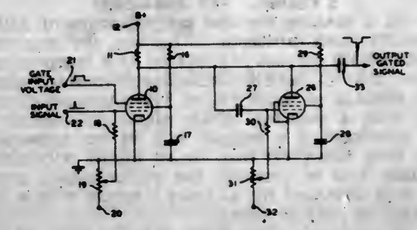
receive the sucker rod whereby said plate will be pivoted upwardly by the rod box when said socket is lowered thereover and will pivot downwardly when the rod box is disposed thereabove for providing a seat for the rod box.

2,573,445
DRIER-HEATER
Ray R. Hutcheson, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application March 26, 1949, Serial No. 83,651
1 Claim. (Cl. 219—39)



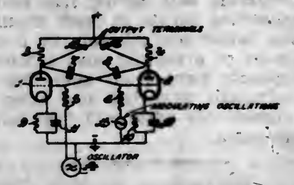
A heating apparatus including in combination a casing, a motor driven fan within said casing, an intake opening and a discharge opening in said casing, a rectangular tubular adapter shell adjacent to and extending inwardly from said casing discharge opening, a housing disposed around said motor driven fan formed with an inlet opening and a discharge portion, said discharge portion adjacent to and having a slightly smaller cross-section than said tubular adapter shell, a path around said housing discharge portion for reception of air into said tubular adapter shell, a cross-shaped body positioned longitudinally of said tubular adapter shell and extending through a major portion of said shell length, longitudinal edges of said body supported on and adjacent to but spaced from an inner surface of said tubular adapter shell, an electrical resistance wound into a coil around said cross-shaped body and over said longitudinal edges, said coil projecting at said longitudinal edges into said air path in said shell, and channels between said resistance coil and said body for passing air from said motor housing whereby, in addition to air emerging from said discharge portion of said housing flooring beneath said resistance coil, air flowing through said air path and over said electrical resistance coil will pass through said tubular adapter shell.

2,573,446
VOLTAGE GATE LIMITER
Clyde E. Ingalls, Canisteo, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 11, 1946, Serial No. 661,210
11 Claims. (Cl. 250—27)



1. A gate voltage amplitude limiting circuit comprising a first normally nonconducting amplifier, responsive to a gate voltage pulse for amplifying an input signal applied thereto, a second amplifier normally conducting and connected to receive the output of said first amplifier, said second amplifier being biased to be cut off by a small amplitude of the gate voltage output of said first amplifier, and means for combining the outputs of said first and second amplifiers, whereby said combined outputs of said first and second amplifiers is a gate voltage of small amplitude with an amplified superimposed signal corresponding to said input signal.

2,573,447
CIRCUIT ARRANGEMENT FOR GENERATING PHASE MODULATED OSCILLATIONS
Johannes Marinus Lodevicus Janssen, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 11, 1947, Serial No. 721,652
In the Netherlands November 9, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 9, 1965
6 Claims. (Cl. 332—24)



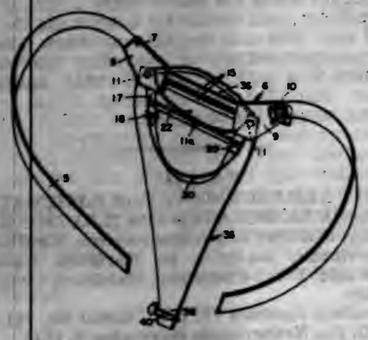
1. A circuit arrangement for generating phase modulated oscillations, comprising an oscillator source of an oscillation, said oscillator source being normally characterized by frequency variations about a given value proportional to variations of an operating condition thereof about a given value, a source of a wave of constant frequency and given phase value, said wave source being independent of said oscillator source, means

to apply said wave to said oscillator to synchronise said oscillator with said wave source at a frequency bearing a multiple relationship to the frequency of said wave, and means to cyclically vary the said operating condition of said oscillator to cyclically vary the phase of said oscillation relative to said wave to thereby produce phase modulated oscillations having substantially zero frequency variations.

2,572,448
SULFUR DYESTUFFS AND PROCESS OF MAKING SAME
Ernst Jenny, Basel, Switzerland
No Drawing. Application December 27, 1948, Serial No. 67,577. In Switzerland January 15, 1948
2 Claims. (Cl. 260—138)

1. In a process for the manufacture of sulfur dyestuffs from dinitronaphthalene, the improvements which consist in treating at a temperature above 200° C. a 1:8-dinitronaphthalene which may contain at most 5% of 1:8-dinitronaphthalene with a solution of an alkali polysulfide in the presence of a copper salt in an apparatus that does not yield iron to an alkali polysulfide solution and in treating the sulfurization product thus obtained for at least 5 hours with a hot solution of caustic alkali.

2,572,449
SANITARY DEVICE
Albert Johnson, Los Angeles, Calif.
Application August 21, 1950, Serial No. 180,576
4 Claims. (Cl. 128—295)



1. A urine receptacle comprising a pair of strips each carrying a snap fastener element, straps extending from one to the other of said strips, a waist-encircling belt having free ends secured to said respective strips in such manner as to suspend the latter immediately in front of the private organs of a wearer, and a fabric waterproof receptacle having an open top end and carrying adjacent said top end snap fastener elements engageable with said first named snap fastener elements.

2,572,450
CLAMP FOR GARBAGE CAN COVERS
Cornelius J. Kallas and Clarence B. Kallas, Milwaukee, Wis.
Application June 30, 1947, Serial No. 758,061
1 Claim. (Cl. 220—55)

A clamp for detachably securing the cover of a garbage or like can against accidental displacement comprising a keeper ear rigidly secured to the cover projecting radially beyond the periphery thereof, the outer end of said ear having a keeper opening, a bracket rigidly secured to the side wall of the can having a radially projecting arm provided with a guide opening, said arm extending beyond the ear, a latch rod slidably and rotatably mounted in the guide opening of the arm, means limiting the upward sliding move-



ment of the rod in the opening, a right angularly extending hook on the upper end of the rod having a depending latch nose for engagement in the keeper opening, and a spring coiled about said rod confined between the bracket arm and said means for limiting upward sliding movement of the rod for normally holding the latch nose in a lowered ear engaging position.

2,572,451
CARTRIDGE FOR AUTOMATIC GUNS
Siegfried Keller, Effretikon, and Ernst Keller, Zurich, Switzerland, assignors to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland, a company of Switzerland
Application April 26, 1947, Serial No. 744,150
In Switzerland November 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires November 12, 1962
1 Claim. (Cl. 102—38)



In combination with a projectile having a rear end with a recess having a forward portion of uniform depth and a tapered rear portion, and a guide ring located contiguously to the forward portion of said recess, a cartridge case having a foremost crimped portion enclosing said rear end of the projectile and located within said recess and terminating at a distance from said guide ring during transport, said cartridge case moving in relation to said projectile and the foremost portion thereof contacting said guide ring as a result of a blow upon said cartridge case.

2,572,452
HOLDER FOR LIPSTICKS AND THE LIKE COSMETIC MATERIAL
Andrew August Klippert, Hollis, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application April 19, 1949, Serial No. 88,254
3 Claims. (Cl. 206—56)

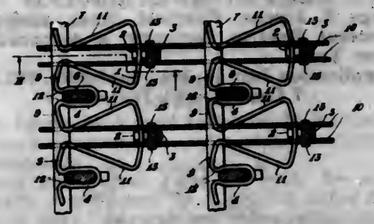
3. A lipstick case comprising an outer cover in telescopic slidable relation with a casing, said casing having a base, imperforate side walls and a small opening in its lower portion for admitting air into its interior; an inner carrier for a lipstick slidable axially within said casing and having a fluid tight frictional contact only

therewith, and means for creating a partial vacuum above said inner carrier upon removal



of said outer cover to cause said carrier to move axially.

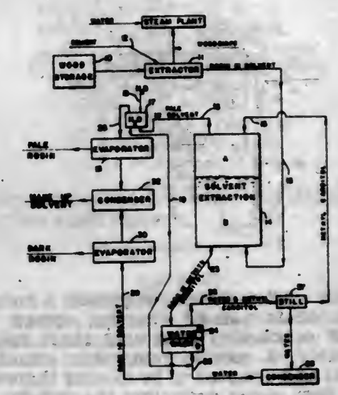
2,572,453
CROSS-BAR SWITCH FOR USE IN AUTOMATIC TELEPHONE SYSTEMS
Gunnar Börge Knös, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1949, Serial No. 76,158
In the Netherlands March 15, 1948
4 Claims. (Cl. 179—27.54)



1. In a cross-bar switch for automatic telephony provided with a planar grid constituted by a group of paired linear conductors disposed in spaced relation and serving as the passive contacts of said switch, an active contact structure comprising a plurality of resilient wires disposed in spaced positions transversely with respect to said conductors, each wire being flexiously shaped to form alternate active contact bows and stressing bows, each of said active bows intersecting a respective pair of conductors, and a supporting comb for each of said stressing bows, successive combs for the stressing bows having a spacing therebetween which is smaller than the spacing between the corresponding stressing bows of the wire before they are attached to the combs, each of said contact bows having a pair of side arms which when urged together and then released when said stressing bows are received by said combs impart a resilient force against the adjacent stressing bows to cause said stressing bows securely to clasp their associated comb.

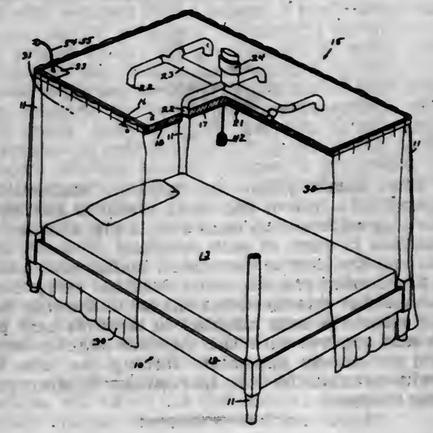
2,572,454
PURIFICATION OF WOOD ROSIN
William G. Knox, Dayton, and George L. Cunningham, Cincinnati, Ohio, assignors, by mesne assignments, to Howard M. Hempstead and Louise M. Hempstead, Mobile, Ala.
Application May 23, 1949, Serial No. 94,852
5 Claims. (Cl. 260—111)

1. The method of purifying a quantity of rosin comprising: preparing an approximately 20% by weight solution of rosin in solvent naphtha, countercurrently extracting the solution at room temperature by the use of diethylene glycol monoethyl ether, distilling the rosin solution containing approximately 80% of the rosin content to separately recover a light colored rosin and naphtha, adding water to the ether solution phase, separating a naphtha-rosin-color body solution



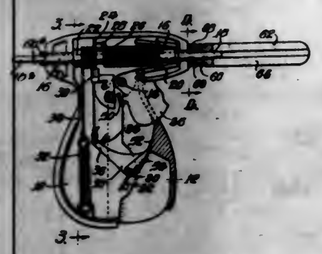
containing approximately 20% of the total quantity of rosin and the water-ether solution, distilling the naphtha from the rosin-color body mixture, and distilling the ether-water solution to recover the individual components.

2,572,455
ELECTRICALLY HEATED BED AND CONTROL DEVICE
Lamont B. Koontz, Deer Lodge, Mont.
Application December 16, 1947, Serial No. 791,957
15 Claims. (Cl. 219—19)



4. A bed structure comprising a sleeping platform, a canopy member above and in spaced relation to said platform, ventilating openings in said canopy, the under side of said canopy comprising a heat radiating member, means for raising the temperature of said member, means for regulating said temperature raising means, and apparatus responsive to the air temperature, air motion and radiant heat effects within the space between said platform and said canopy connected in controlling relation to said regulating means.

2,573,456
HAIR CURLING DEVICE
Adolph D. Kutsler, Robert A. Kutsler, and Raymond A. Kutsler, Waukegan, Ill.
Application August 26, 1950, Serial No. 181,664
6 Claims. (Cl. 132—34)



1. A hair curling device comprising a housing, a rotatable shaft carried thereby, spring power means in connection with said shaft for rotation thereof, a spindle removably attached to said shaft and adapted to be rotated therewith, a split resilient collar encircling the spindle, a bar secured to the collar and extending lengthwise of the spindle and substantially parallel therewith, and means on the housing adapted to enlarge the split collar whereby to allow the spindle to rotate therein only when said spindle is attached to the shaft.

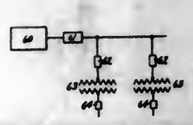
2,573,457
MOTION TRANSMITTING DEVICE
Howard Hubert Lauska, Boonton, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 7, 1947, Serial No. 759,440
1 Claim. (Cl. 74—469)



The combination in motion transmitting means, of a link of flat-strap material having an opening adjacent to each end, a pin adapted for position in each of said openings pivotally connecting the link to associated bodies and having a positioning groove, and a resilient strap member for flat side-by-side relation to the link having bifurcate ends adapted to straddle said pins in said grooves with the member slightly bowed and constantly oppositely forcing the pins laterally against the link in resilient binding relation thereto.

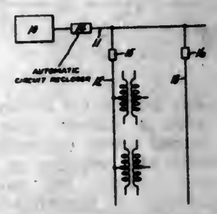
2,573,458
FUSELESS CIRCUIT OPENING DEVICE
George F. Lincks and Sidney R. Smith, Jr., Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application July 18, 1947, Serial No. 761,893
9 Claims. (Cl. 200—168)

1. A circuit opening device comprising a stationary support, a contact mounted on said stationary support, a movable support, a contact mounted on said movable support and movable therewith, means engageable with said movable support to hold said contacts in engagement, a single magnetically actuated armature separate from said engageable means operable in response to and upon the occurrence of a current through said contacts exceeding a predetermined value to disengage said engageable means from said movable support and thereafter to hold said contacts in engagement independent



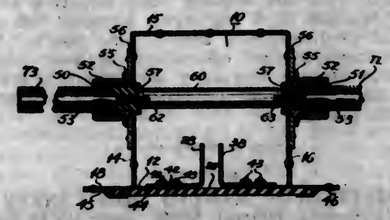
of said engageable means by direct engagement with said movable support until the current through said contacts subsequently decreases below a predetermined value, and means for moving one of said contacts out of engagement with the other when said armature is no longer effective to hold said contacts in engagement.

2,573,459
PROTECTIVE ARRANGEMENT FOR ELECTRIC POWER DISTRIBUTION
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application July 18, 1947, Serial No. 761,894
7 Claims. (Cl. 175—294)



1. A protective arrangement for a load circuit supplied from a source of current comprising the combination of an automatic circuit interrupter for repeatedly disconnecting and reconnecting the load circuit from and to the source upon the occurrence of a persistent fault on the load circuit, said interrupter including means for first effecting a predetermined number of disconnections of the load circuit in response to the current in the load circuit exceeding a predetermined value for a predetermined time and then effecting the next disconnection of the load circuit in response to the current in the load circuit exceeding said predetermined value for a predetermined longer time than said first mentioned predetermined time, and a circuit opening device comprising a pair of cooperating contacts connected in said load circuit, means biasing one of said contacts out of engagement with the other contact, holding means including a releasable latch to hold such contacts in engagement, means including time delay means operable in response to the current in the load circuit through said contacts first exceeding said first-mentioned predetermined value for a longer time than said first mentioned time to release such latch and then operable in response to said current decreasing below a predetermined value to permit disengagement of said contacts and disconnection of a portion of the load circuit from the source.

2,573,460
ANTENNA
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 25, 1945, Serial No. 612,685
9 Claims. (Cl. 250—33.63)



4. An antenna including a hollow conductive walled box, one wall of said box having an elongated slot therein, and means for coupling high frequency energy to the interior of said box including a conductive rod passing through said box transversely to said slot, and means for varying the coupling effect of said rod to the space within said box, said means including insulated supports for said rod eccentrically located with respect to the axis of said rod and means for rotating said rod.

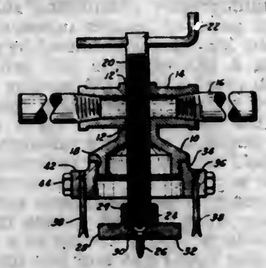
2,573,461
ANTENNA
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 27, 1942, Serial No. 448,743, now Patent No. 2,414,266, dated January 14, 1947. Divided and this application December 12, 1946, Serial No. 715,824
20 Claims. (Cl. 250—33)



13. A broadcast antenna including a vertical conductive cylinder grounded at its base and having a circular cross section and having an elongated slot arranged vertically therein, said slot being closed at each end thereof, and a two conductor transmission line connected to opposite sides of said slot for energizing said antenna.
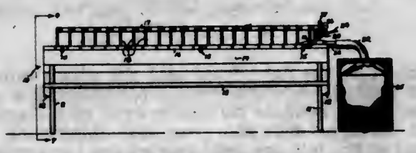
2,573,462
TUBULAR ROTARY CUTTER
Earle Lindsey, Laurel, Miss.
Application September 2, 1947, Serial No. 771,765
1 Claim. (Cl. 145—120)

A cutting tool comprising an annular body provided with a shoulder to receive a cutter ring, a guide screw threaded in and extending through said annular body provided with means at the upper end to rotate said screw and at the lower end with a projection, a recessed disc having a hardened lower end surface to resist the cutting action of metal files and having a diameter substantially equal to the diameter of the shoulder on the annular body secured to the lower portion of said guide screw, a screw member having a slotted head portion engaging the projection and having the shank portion thereof extending through the disc, a cutter ring provided with a plurality of cutters mounted on said shoulder of



the body, and means to rotate the annular body around the guide screw.

2,573,463
DUAL HOPPER TRAP
Reuben Linington, Belle Mead, N. J.
Application April 14, 1947, Serial No. 741,382
2 Claims. (Cl. 220—29)

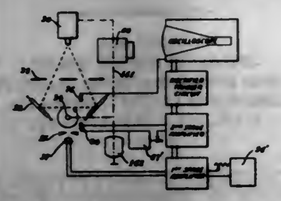


1. A cover for a hopper having an escape hatch comprising a cover frame hingedly connected to said hopper, a plurality of plates each of which are hingedly connected to said frame, an arm extending longitudinally of the frame and hingedly connected to each plate centrally thereof, said arm adapted for longitudinal movement of the frame to move said plates into closed position with relation to the hopper, a latch formation on one end of said arm, an upright mounted on the escape hatch of the hopper, a latch arm pivoted at one end to said upright, a roller rotatably mounted on the opposite end of said latch arm adapted to have rolling engagement with said latch formation to prevent longitudinal movement of said first arm and retain the plates in open relation to said hopper, a projection on said latch arm adjacent the pivoted end thereof, a solenoid carried by said projection, switch controlled means connected to said solenoid for energizing said solenoid from a remote distance from said hopper, a solenoid contact plate carried by said upright which will when the solenoid is energized attract the solenoid to move the latch arm to disengage the roller from the latch formation to permit longitudinal movement of said first arm, and a spring means carried by the frame and engaging one of said plates and said upright, will cause the first arm to move longitudinally to close the plates over the hopper.

2,573,464
METHOD AND MACHINE HAVING APPLICATION IN PUPILLOGRAPHY
Otto Lowenstein and Irene Loewenfeld, New York, and Eric Klapper, Orangeburg, N. Y.; said Loewenfeld and said Klapper assignors to said Lowenstein
Application August 6, 1948, Serial No. 42,768
3 Claims. (Cl. 346—108)

3. An apparatus for measuring automatically and registering graphically a series of consecutive

pairs of pictures or images of the right and left pupils of the eyes such as obtained by the method known as pupillography comprising means for projecting the pairs of images consecutively, a slit for scanning the images produced by said projecting means, a photoelectric cell behind said slit adapted to receive the light passing through the latter, two stationary reflecting means, one for each of the two projected right and left images of the pupils, a rotatable reflecting means intermediate said two stationary reflecting means so arranged as to reflect the images coming from the said stationary reflecting means across said scanning means when rotated, means for rotating said rotatable reflecting means at a uniform speed so that the said right and left images are moved across said slit consecutively at a uniform speed, means for amplifying the voltage de-



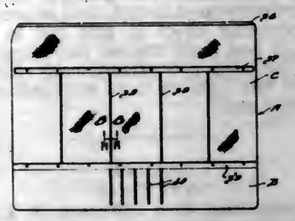
veloped by the light from said slit which falls on said photoelectric cell, means for applying a predetermined counter voltage to each of the amplified voltages obtained from the images of the pupil of the left eye, separate means for applying a different predetermined counter voltage to each of the amplified voltages obtained from the right eye, a single sweep oscilloscope adapted to be triggered by a small positive voltage, a rectifier for rectifying the voltages resulting from the combination of amplified voltages and counter-voltages the output of which is connected to the direct input terminal of said oscilloscope, means for resetting the oscilloscope after each image has been scanned, and means for photographing a corresponding portion of each response curve that is traced on the oscilloscope to graphically register the measured dimensions of the pupils.

2,573,465
METHOD OF PRODUCING WOODEN BOARDS SECURED AGAINST WARPING
Axel Eugén Lundberg, Sundsvall, Sweden
Application December 22, 1946, Serial No. 717,974
In Sweden December 22, 1945
2 Claims. (Cl. 154—133)
(Granted under the provisions of sec. 14, act of March 3, 1927; 357 O. G. 5)



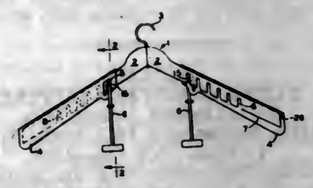
1. The method of producing wooden planks resistant to warping which comprises assembling a plurality of glue coated elongated wooden strips into a stack with the strips extending in the same direction longitudinally of the stack, deforming the strips in the stack by applying pressure to bend the same along curved lines extending longitudinally from end to end of the stack, maintaining the stack pressure to retain the deformed condition until the glue has set to form a rigid block, leveling at least one longitudinal edge of the block thus formed sawing the block thus formed into slabs by longitudinal saw cuts extending substantially at right angles to the face of the glued joints between the strips, assembling two of such slabs in parallel co-planar relation with the levelled edges abutting and in such relation that the strips forming the same extend longitudinally thereof and the bends of the strips in one are oppositely disposed with respect to those in the other, and gluing the abutting edges of the so assembled slabs together to form a plank.

2,573,466
METHOD OF MAKING TRIM PANELS
Fred Lyijynen, Detroit, Mich., assignor to Briggs Mfg. Co., Detroit, Mich., a corporation of Michigan
Application April 3, 1946, Serial No. 659,405
9 Claims. (Cl. 154—106)



1. The method of making a trim panel, including the steps of covering an area of a foundation material with a layer of padding material and a superimposed fabric sheet, applying heat and pressure to one edge of the fabric sheet to clamp and bond the same to the padding and foundation materials, thereafter drawing the opposite edge of the fabric sheet over the adjacent edge of the foundation material to stretch said sheet, and thereafter applying heat and pressure adjacent said last named edge to bond the fabric sheet to said foundation material.

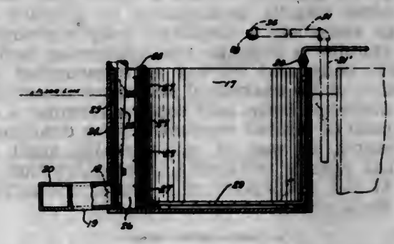
2,573,467
COMBINED ADJUSTABLE CLOTHES HANGER AND PANTS HOLDER
Alfred Macaluso, Brooklyn, N. Y.
Application June 7, 1950, Serial No. 166,689
5 Claims. (Cl. 223—90)



1. The combination in an adjustable clothes hanger of the character described, of a cross-piece member having a pair of oppositely sloping similar arms and provided with notches uniformly spaced along the lower walls of said arms, a shoulder piece carried on and slidable along each cross arm, each shoulder piece being trough-like with side walls and having one end broad and the other end tapered, each sloping arm being contained in the trough of its shoulder piece and intermediately of the side walls of the shoulder

piece, each shoulder piece having a pair of opposed aligned cane slots in the side walls of its tapered end, each cane slot having a short arm joined by a bridge to a long arm, the lowermost portions of the long arms extending below the lower walls of the slopping arms, each shoulder piece being slideable on its respective sloping arm whereby its opposed cane slots may be aligned with a selected notch of the sloping arm, and a pair of pants holders each having a bridge section carried by the cane slots of each shoulder piece, the bridge section being adapted to move in the aligned cane slots whereby when the bridge section is contained in the short arms of the cane slots and an aligned notch of the sloping arm the shoulder piece is latched to the sloping arm, and when the bridge section is contained in the lowermost portions of the long cane slot arms it is out of any notch of the cross arm and the related shoulder piece is unlatched from its sloping arm and is free to be moved along its related sloping arm.

2,573,468
APPARATUS FOR PROCESSING PICKLED FOOD PRODUCTS
John J. Mackin, Green Bay, Wis., assignor to Green Bay Food Company, Green Bay, Wis., a corporation of Wisconsin
Application May 24, 1947, Serial No. 750,327
2 Claims. (Cl. 302—14)



1. In a processing tank adapted to contain a buoyant liquid with solid products in suspension therein, said tank having a discharge opening in a lower side wall portion thereof, a gate for said discharge opening, a vertical enclosure within the tank surrounding said discharge opening, one of the walls of the enclosure having removable doors therein which are selectively removable to bring the top level of said wall below the level of liquid in the remainder of the tank, and hydraulic means for agitating the contents of the tank to cause liquid with suspended solid products therein to cascade over the uppermost door in said enclosure and therefrom and for replenishing the liquid in the tank.

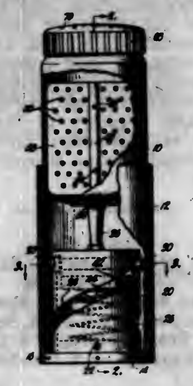
2,573,469
RATCHET WRENCH
William R. Maclay, Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 25, 1949, Serial No. 83,335
4 Claims. (Cl. 74—156)

1. In apparatus of the character described, a casing having a guideway, a rotary member in the casing, ratchet teeth on the rotary member, a pawl disposed loosely in the guideway and slidable endwise thereof for engagement with the ratchet teeth, means reciprocable between the pawl and a wall of the guideway for rocking the pawl in one direction transversely of the guide-



way to rotate the rotary member, and a spring for rocking the pawl in the opposite direction.

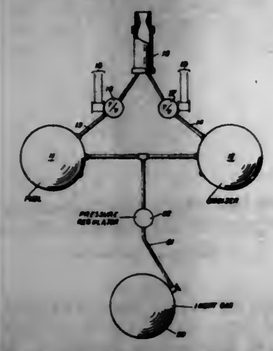
2,573,470
CONTAINER WITH MECHANISM FOR AGITATING CONTENTS THEREOF
Challies B. Mahan and Hardin B. McDill, Kansas City, Mo.
Application June 25, 1951, Serial No. 233,322
4 Claims. (Cl. 259—35)



1. In a device of the character described, a pair of generally cylindrical cups, the outside diameter of one of said cups conforming to the inside diameter of the other and the closed lower end of said one cup being received in the open upper end of the other cup for telescoping movement of said one cup up and down in said other cup, a vertical shaft journaled in the bottom of said one cup and projecting below same, spring means between the lower end of said shaft and the bottom of said other cup always urging said shaft upwardly, said shaft having an integral annular shoulder abutting the bottom of said one cup for transmitting the thrust of said spring to said one cup, said shaft adapted to move downwardly against the tension of said spring upon downward movement of said one cup relative to said other cup, a torque element fixedly secured in said other cup below the bottom of said one cup and operatively connected to said

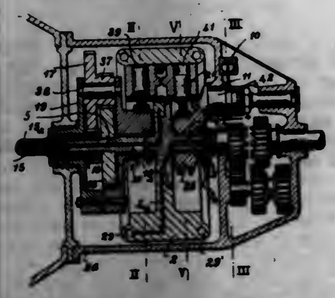
shaft to rotate same upon axial movement of the shaft, and an agitator in said one cup connected to said shaft to turn therewith.

2,573,471
REACTION MOTOR OPERABLE BY LIQUID PROPELLANTS AND METHOD OF OPERATING IT
Frank J. Malina and John W. Parsons, Pasadena, Calif., assignors to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application May 8, 1943, Serial No. 486,236
10 Claims. (Cl. 60—35.6)



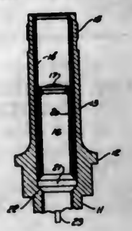
1. Means for supplying propellants to a reaction motor, including: two containers; a fuel in one of said containers, said fuel comprising a liquid organic compound of the group consisting of aniline, orthotoluidine, and methylamine; a liquid oxidizer consisting of red fuming nitric acid, white fuming nitric acid, and nitrogen dioxide in the other of said containers, said fuel and oxidizer being adapted for spontaneous combustion when mixed in such reaction motor at the temperature and pressure of the medium surrounding said reaction motor; and means for separately and simultaneous injecting said liquids into the motor.

2,573,472
AUTOMATIC AND PROGRESSIVE CHANGE-SPEED GEAR
Jean Martin, Paris, France
Application January 6, 1948, Serial No. 753
In France January 8, 1947
8 Claims. (Cl. 74—730)



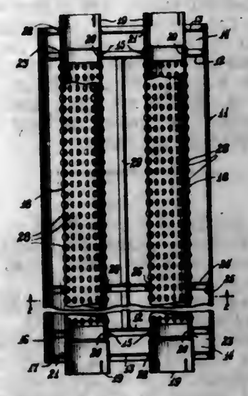
1. A variable speed transmission including a driving and a driven shaft, a planetary gear assembly therebetween, a cage forming a part of said assembly, an eccentric coupled to said cage, a rotary body coaxial and rigid with the driven shaft including a pump and a motor in the form of two radial series of cylinders, pistons disposed within the pump cylinders operated by said eccentric, pistons disposed within the motor cylinders, a collar carrying said motor pistons and provided with an inner longitudinal wide passage and surrounding the driven shaft, means hydraulically connecting the pump and the motor forming therewith a hydraulic closed circuit, means for carrying the said collar and means for angularly shifting the same to provide variable eccentricity to vary the motor output, whereby the pump necessarily adjusts the speed of the eccentric linked to the cage assembly.

2,573,473
IGNITION CONTROL
Joseph J. Mascuch, Maplewood, and Melville F. Peters, East Orange, N. J.
Application March 4, 1950, Serial No. 147,586
3 Claims. (Cl. 315—58)



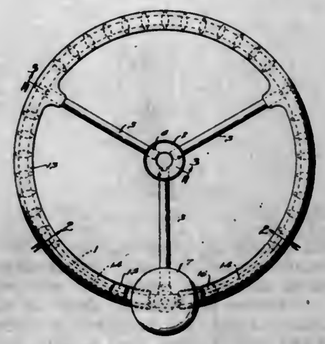
1. In an ignition circuit, a spark plug having a central spindle terminating in a spark discharge electrode, a dielectric body surrounding said spindle, a metallic shell receiving said dielectric body and serving as a mounting base therefor, and a coating of resistance material on said dielectric body, said coating forming a current path of limited conductivity for draining off to ground, by way of said metallic shell, any residual energy remaining in said ignition circuit at the conclusion of a spark discharge at said electrode.

2,573,474
MUFFLER CONTAINING INNER AND OUTER END WALLS AND LONGITUDINAL CHAMBERS
Joseph P. Marx, Hartford, Wis.
Application April 28, 1949, Serial No. 90,247
4 Claims. (Cl. 181—47)



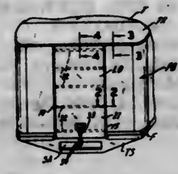
1. A muffler of the type described comprising a tubular shell, an outer end wall at each end of said shell, an inner end wall spaced from each outer end wall, a longitudinal partition extending between the inner end walls dividing the shell into two longitudinal chambers, internal conduits coextensive with and one within each chamber, a pair of inlet and a pair of outlet fittings for exhaust gases extending through the inner and outer end walls, one of each pair being connected to one of the conduits to provide two straight line passageways for exhaust gases, said conduits being perforated to allow passage of gases and sound waves into and out of the respective chambers.

2,573,475
STEERING WHEEL
Joseph H. McFarland, Portland, Ind., assignor to Sheller Manufacturing Corporation, Portland, Ind., a corporation of Indiana
Application March 25, 1950, Serial No. 151,898
5 Claims. (Cl. 74—552)



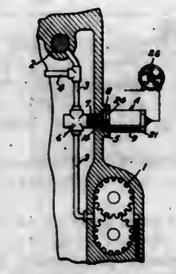
1. A steering wheel comprising a rim lying in a plane, a finger grip mounted thereon and projecting therefrom substantially normal to said plane, and a deflector on said rim adjacent said finger grip projecting from said rim in the same direction as said finger grip, said deflector having a surface sloping upwardly toward said finger grip.

2,573,476
VEHICLE BODY CLOSURE ASSEMBLY
Elmer Frazier McHenry, St. Louis, Mo.
Application December 27, 1948, Serial No. 67,500
6 Claims. (Cl. 296—143)



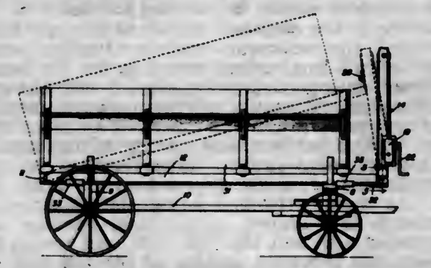
3. In a vehicle body having an opening lying substantially in a vertical plane, a head rail structure adjacent an upper region of said opening and including a pair of horizontally spaced horizontal bars, cross pieces bridging and interconnecting the bars, one of said bars having its ends extended laterally beyond the opening, a bearing arm carried by and extending above said bar extensions, a spring roller carried by the bearing arms, and a roll curtain wound on said roller.

2,573,477
OIL PRESSURE REGULATOR
Leonard S. McIntosh, San Antonio, Tex., assignor of one-half to Nathan Nevelow, San Antonio, Tex.
Application September 13, 1945, Serial No. 616,010
3 Claims. (Cl. 184—6)



1. In a lubricating system of an internal combustion engine which includes a spring actuated oil pressure relief valve the improvement comprising mechanism associated with said pressure relief valve for varying the strength of said spring whereby the relief valve will operate in response to a different pressure in the lubricating system, said mechanism comprising a solenoid coil and core, said core having a projection on its inner end which cooperates with said spring to vary the force exerted by said spring on said relief valve, and a rheostat electrically connected to said solenoid coil for varying the current passing through said coil to adjustably position said core relative to said spring, said rheostat being located remotely from said solenoid coil and core.

2,573,478
WAGON BOX LIFT
Leo McKendrey, Shullsburg, Wis.
Application July 30, 1947, Serial No. 764,854
4 Claims. (Cl. 298—17)

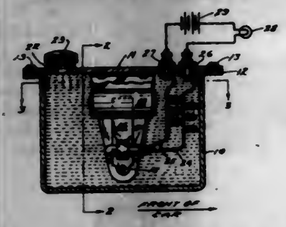


1. An unloader comprising in combination with a wagon including a wagon box and front and rear bolsters, a frame loosely resting on the bolsters, stops carried by the frame engaging the bolsters to hold the frame against sliding movement, a pair of life arms pivoted to the rear end of the frame and secured to the box for lifting the box with the arms, and hoisting means for the front ends of the arms and carried by the frame.

2,573,479
DECELERATION SIGNAL
Robert P. McNerney, Sharpsville, Pa., assignor of fifty per cent to Charles J. Senger, Farrell, Pa.
Application December 1, 1949, Serial No. 130,497
3 Claims. (Cl. 200—52)

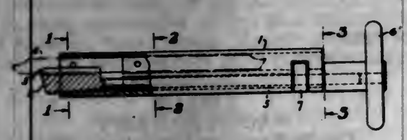
1. A deceleration signal comprising a liquid

filled housing having a removable closure forming its top portion, brackets depending from said closure into said liquid filled housing and a pivot pin spacing the said brackets at their lowermost ends, an arm pivoted to said pivot pin between the said brackets and a float secured to the



upper end of the said arm so as to maintain the same in normal vertical position, a tubular mercury switch element positioned horizontally on the said arm above the said pivot pin, the said switch being responsive in closing to movement of the arm and float resulting from inertia overcoming the normal floating position thereof.

2,573,480
TOOLHOLDER
Hugo Nussbold, Buenos Aires, Argentina
Application April 8, 1948, Serial No. 19,707
In Argentina April 8, 1947
5 Claims. (Cl. 29—96)

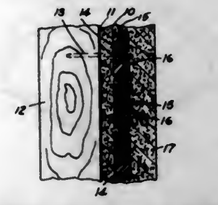


1. A holder for the tool of a machine tool, the holder comprising a rectangular member having an elliptical mouth in one end for the tool, the surface of the elliptical mouth at one end being beveled, the rectangular member further having two spaced longitudinal openings for the length thereof, the openings being aligned with the ends of the elliptical mouth, at least one wedge member for the mouth, the wedge member coacting with the beveled surface and having a longitudinal recess of semi-circular cross section for the length thereof, a rod disposed on the inner end of the wedge, the rod being slidably inserted through the aligned longitudinal opening and threaded adjacent the free end, and means between the threaded portion of the rod and the rectangular member varying the position of the wedge on the beveled surface of the mouth, the means comprising a nut rotatably disposed on the rectangular member in operable engagement with the threaded portion of the rod.

2,573,481
CONVERSION OF HYDROCARBONS IN THE PRESENCE OF CRACKING CATALYST CONTAINING BARIUM PEROXIDE
Leonard Eugene Olson, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 26, 1947, Serial No. 757,310
2 Claims. (Cl. 196—52)

1. The improvement in the cracking of higher boiling hydrocarbon oils for the production of gasoline therefrom, which comprises subjecting the oil to a cracking temperature in the presence of a cracking catalyst having intimately admixed therewith a substantial proportion of barium peroxide, recovering the converted products from the cracking operation, regenerating the used catalyst under conditions adapted to preserve the barium oxide in the spent catalyst, the regenerating operation including the steps of removing any carbon and tarry constituent from the catalyst by hydrogenation and thereafter cooling the catalyst in a stream of gas comprising oxygen to convert the barium oxide of the catalyst to barium peroxide, and reusing the regenerated catalyst in the cracking operation.

2,573,482
SOUND-DEADENING UNIT
Paul G. Peik, Cuyahoga Falls, Ohio, assignor to Thomas L. Fawick, Akron, Ohio
Application April 25, 1945, Serial No. 590,228
3 Claims. (Cl. 72—124)



1. As an article of manufacture, a pre-fabricated, sound-deadening unit for incorporation in a housing structure, said unit comprising a thin and extensive cushioning sheet of material having substantially the resilient deformability of vulcanized soft-rubber and a thin and substantially coextensive supporting sheet of hardened plastic anchored to one of the extensive faces of the said cushioning sheet substantially throughout the extent of the two said substantially coextensive sheets, the said cushioning sheet comprising a web of generally plane form in continuity substantially throughout the extent of the two said substantially coextensive sheets and being formed, on the side of said web farthest from said supporting sheet, with anchoring projections for anchoring thereon a layer of setting material applied thereto, said unit being in the form of an unattached and manually manipulatable unit.

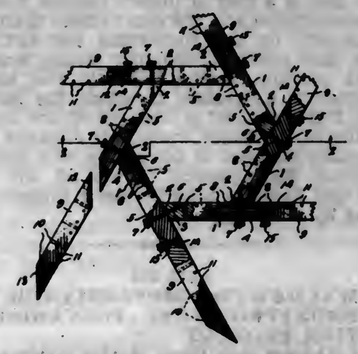
2,573,483
SWITCH FOR USE WITH BATTERY CHARGERS
Carl E. Peters, University City, Mo., assignor, by mesne assignments, to Vickers, Incorporated, a corporation of Michigan
Application October 14, 1946, Serial No. 703,238
16 Claims. (Cl. 200—138)



1. A thermostatic device, for use in connection with high capacity battery chargers for storage batteries, that comprises a capsule having a diameter less than the diameter of one of the

openings in the top of the battery being charged and having a length less than that of a straight line which extends from the tops of the plates of said battery and passes under one side of said one opening in said battery and passes over the other side of said one opening, relatively movable contacts in said capsule, a thermally-responsive element that is adjacent said contacts and controls the relative positions of said contacts and is adapted to cause relative movement between said contacts, a sheath of resilient, flexible insulating material that is substantially proof against the action of the electrolyte of said battery and encloses said capsule, and has a diameter less than the diameter of the said one opening in the top of said battery, said sheath being insertible into the battery through said one opening to carry said capsule wholly within said battery, and conductors that are carried by said sheath and extend longitudinally of said sheath and that connect said capsule with a high capacity battery charger said capsule and its sheath being dimensioned to lie atop the plates of said battery, said capsule being adapted to be spaced away from said one opening of said battery, while lying atop said battery plates, said thermally-responsive element being responsive to the temperature of the electrolyte within the battery to cause relative movement between said contacts.

2,573,484
HAND LOOM
Guy L. Phelps, Oklahoma City, Okla.
Application May 2, 1950, Serial No. 159,488
1 Claim. (Cl. 28—15)



A hand loom comprising a frame consisting of bars defining a geometrical figure and each having a rear end disposed in close-fitting abutting engagement with the inner side face of an adjoining bar, bolts passing through registering openings formed in the abutting portions of said bars and removably securing the same together in firm engagement with each other, said bars being formed with additional openings spaced from each other longitudinally thereof whereby the bars may be shifted to adjusted positions and secured to form a frame of predetermined size, yarn-engaging pins projecting upwardly from said bars and spaced from each other longitudinally of the bars, front ends of the bars being formed with diagonally extending faces, auxiliary bars disposed longitudinally of the first bars in alignment therewith and having diagonally extending end faces conforming to the angle of the front end faces of the first bars and disposed in flat contacting and overlapping engagement therewith, bolts passing through the overlapping end portions of the first bars and the auxiliary bars, said auxiliary bars being formed with longitudinally spaced bolt-receiving openings through which the securing bolts for rear ends of the first bars are adapted to be passed and detachably secure the first bars to the auxiliary bars, and yarn-engaging pins projecting upwardly from the auxiliary bars.

2,573,485
MULTIPLE RELEASABLE INTERLOCKING MECHANISM FOR CIRCUIT BREAKERS
Edgar A. Pifke, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application October 7, 1950, Serial No. 189,913
7 Claims. (Cl. 200—50)

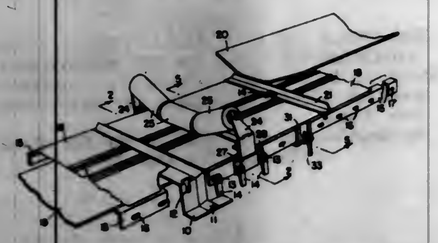


1. A selectively operable triple circuit breaker interlocking mechanism having in combination a pair of interlock elements for each breaker, each separately operable for preventing closure of the corresponding breaker, a corresponding operating member movable upon closure of each breaker and provided with means including a releasable latch for jointly operating the corresponding interlock element of both other breakers to prevent closure thereof and means including a member movable for separately releasing the latch of each operating member to render an interlock element operated thereby ineffective.

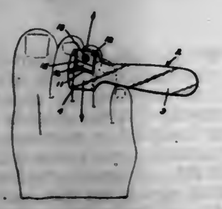
2,573,486
SECTIONAL CONVEYER
Harold C. Pollitz, Cedar Rapids, Iowa, assignor to Iowa Manufacturing Company, a corporation of Iowa
Application February 21, 1950, Serial No. 145,539
1 Claim. (Cl. 198—204)

A sectional belt conveyor section comprising spaced apart standards and longitudinally extending spacing members detachably connecting said standards together by means of T-bolts and cam-locks, said spacing members forming sides extending along said belt and having spill plates securely attached, said spill plates extending inwardly from said spacing members in an overlapping relation one with another and in an overlapping relation with the standards to prevent the spillage of material onto the lower belt run, and longitudinally embossed, said spacing members and spill plates being reinforced and locked

together with a removable bar crosswise, substantially at the center of said conveyor section, and locked in place by a T-bolt and cam-lock, said spacing members being provided with a plurality of longitudinally spaced slots for the adjustable mounting of the roller supports for the upper belt run, said roller supports having downward extensions, straddling said spacing members, and arcuate surfaces to the outside and to the inside of said extensions for clamping engagement with said spacing members by means of clamping plates, T-bolts inserted in said slots and cam-locks, and supporting rollers for the lower belt run slidably mounted on said spacing members in relation to the standards and clamped in place by means of double U-formed clamps and cam-locks.

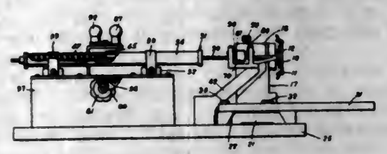


2,573,487
CORN AND CALLUS TRIMMER
Claud L. Potvin, Minneapolis, Minn.
Application May 21, 1948, Serial No. 28,292
3 Claims. (Cl. 30—27)



1. In a device for trimming corns, calluses and the like comprising an elongated body provided at one end with an enlarged transparent head, a recess in said head terminating at its bottom in an elongated opening disposed obliquely to the longitudinal axis of the head, an angularly shaped knife blade having one end adapted to be seated on top of the head and having its other end extending downwardly through the recesses and projecting through said elongated opening, the projecting end portion of said knife being sharpened and having its cutting edge disposed obliquely to the longitudinal axis of the head and directed away from the handle, and so spaced from the bottom surface of said head that when the device is passed over a corn, the cutting edge of the knife will sever a shaving from the top of the corn, the thickness of which is determined by the downward spacing of the cutting edge of the knife from the bottom surface of the head, and guide means integral with the bottom of the head to facilitate guiding the device over a corn in the operation of dressing the top thereof, the transparency of said head permitting the operator to readily note the corn as it is being trimmed by the knife.

2,573,488
APPARATUS FOR TESTING ELECTRICAL CONTACTORS
Bruno A. Raetsch, Baltimore, Md., and Jack A. Trethewey, Manitou Springs, Colo., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 670,000
5 Claims. (Cl. 72—161)

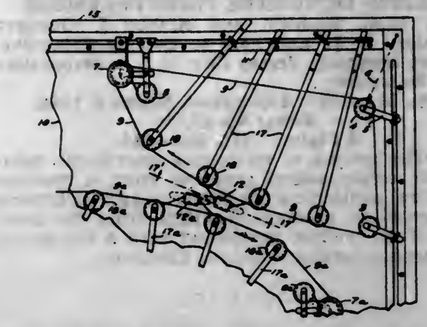


4. An apparatus for testing electrical contactors, which comprises means for holding a resilient electrical contactor, an abutment having an opening therein, a gauge having a rigid body portion and a resiliently urged contacting element movable in the opening in the abutment, means for mounting the gauge for movement toward the contactor-holding means, means for mounting the contactor-holding means for movement relative to the abutment, said contactor-holding means when in one position serving to hold the electrical contactor in a position in which one of a pair of fingers thereof is engaged by the abutment and the other finger thereof may be engaged by the contacting element of the gauge, said contactor-holding means when in a second position serving to hold the electrical contactor in a position in which the last-mentioned finger thereof is engaged by the abutment and the other finger thereof is engaged by the contacting element of the gauge, and means for indicating displacement of one of the fingers when that finger is placed under a predetermined flexure by the gauge.

2,573,489
FORMALDEHYDE-DICYANDIAMIDE POLYHYDROXYPROPYLENE - POLYAMINE REACTION PRODUCT
Alfred Rheiner and Hans Martin Hemmi, Basel, Switzerland, assignors to Sandoz Limited, Basel, Switzerland
No Drawing. Application March 11, 1946, Serial No. 653,706. In Switzerland November 17, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 17, 1964
1 Claim. (Cl. 260—70)

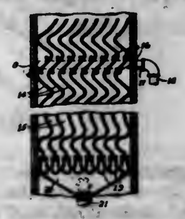
The water-soluble reaction product obtained by the simultaneous interaction of (*a*) a polyhydroxypropylenepolyamine hydrochloride, prepared from glycerine dichlorhydrine and an excess of ammonia, (*b*) dicyandiamide, and (*c*) formaldehyde in an aqueous solution at the boiling point, the ratio of the reactants being approximately one equivalent of the polyamine, ¼ mol of dicyandiamide and ⅔ mol of formaldehyde, the said product being in the dry state a white powder, giving complex compounds with copper and possessing the property of yielding water-insoluble addition products with substantive dyestuffs.

2,573,490
DEMONSTRATOR
Eugene Rheinfrank, New York, N. Y.
Application April 28, 1950, Serial No. 158,877
2 Claims. (Cl. 35—11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



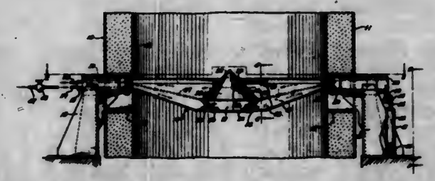
1. A device for simulating the movements of vehicles involved in a collision which comprises a frame having slots therein, a plurality of arms adjustably attached to said frame by means of a member which is capable of sliding in said slots and which member is also capable of fixing the arm in a rigid position, a terminal grooved pulley carried by each arm, a plurality of motors carried by said frame, a drive pulley connected to each motor, a plurality of endless belts, each belt defining a curved circuit by passing over a plurality of terminal grooved pulley wheels carried by the arms and also over the drive pulley of a motor, a plurality of magnets, each attached to one of said belts by means of two opposed filaments, a nonmagnetic surface extending across and bounded by one surface of said frame, and a plurality of vehicle models having magnets embedded therein and adapted to ride on said surface, whereby the adjustable arms may be set to arrange the endless belts in a course to be simulated, the motors may be run at a speed to be simulated and hence the moving magnets attached to the endless belts will move the models on the nonmagnetic surface to simulate the courses and speeds of vehicles prior to their collision.

2,573,491
AIR-COOLING APPARATUS
Allan S. Richardson, Butte, Mont.
Application May 14, 1947, Serial No. 748,020
2 Claims. (Cl. 261—22)



1. In apparatus of the character described for cooling warm humid air, a vertical contactor chamber, a plurality of contactors arranged vertically one above the other in said chamber, each contactor comprising a series of horizontally spaced sinuous sheets providing sinuous gas passages therebetween, means for delivering hygroscopic liquid to both sides of each sheet of each contactor adjacent the tops of said sheets, means for blowing a current of air upwardly through the chamber between the sheets of each contactor, and a shield for the inlet or bottom edge of each sheet of each contactor, said shield comprising a trough directly below the inlet or bottom edge of each sinuous sheet and parallel thereto for collecting hygroscopic liquid as it drains from the inlet or bottom edge thereof, each such trough having vertical side walls which extend to above the inlet or bottom edge of the adjacent sheet in closely spaced relation with the side surfaces thereof, whereby liquid draining from the inlet or bottom edge of each sheet into the trough is protected by said walls from becoming entrained in a current of air blown upwardly between said sheets from below the bottom thereof.

2,573,492
DEFLECTOR FOR CUPOLAS
John N. Richardson, Port Washington, Wis., assignor to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application May 19, 1949, Serial No. 94,061
7 Claims. (Cl. 214—18)

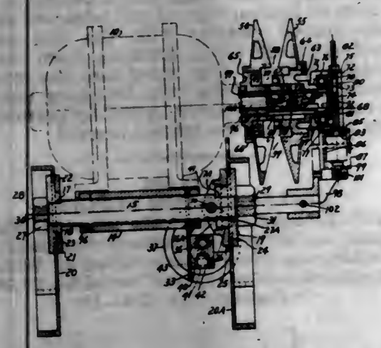


2. In a charge deflector assembly adapted for use with a cupola: a hollow beam adapted to have a portion thereof extending transversely within said cupola and spaced above the bed thereof; bearing means for supporting said beam for rotation on an axis extending longitudinally of said beam; a hollow deflector integral with said beam positioned substantially on the vertical axis of said cupola; generally horizontally extending partitions in said beam and deflector separating said beam and said deflector into upper and lower chambers, the upper beam chambers communicating with the upper deflector chamber and the lower beam chambers communicating with the lower deflector chamber, there being a communication between the beam upper and lower chambers at one end thereof; and cooling fluid inlet and return connections at the opposite end of said beam communicating with the chambers of said beam.

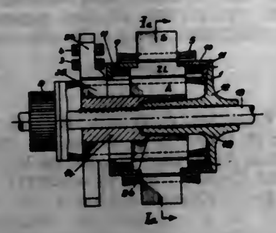
2,573,493
VARIABLE-SPEED DRIVE
John D. Rieser, San Francisco, Calif.
Application April 28, 1945, Serial No. 590,749
18 Claims. (Cl. 74—230.17)

15. In a speed change device, a first shaft supported in a fixed position for rotation, a first pulley on said first shaft, said first pulley being of a fixed diameter, a second shaft positioned parallel to the first shaft and in driving relationship thereto, bearing means supporting said second shaft for rotation, means supporting said bearing means for selective movement toward and away from said first shaft whereby the axial distance between said shafts can be varied, a cam mounted on said bearing support means, a second pulley on said second shaft having a pair of

pulley sections having opposed inclined faces and forming by relative axial adjustment a second pulley of variable effective pulley diameter, a continuous belt of substantially constant length trained about said pulleys, means for moving said pulley sections toward and away from each other to vary the effective diameter of said second pulley and including a member engaged with said cam, and means for simultaneously moving said pulley section moving means and said bearing support means to move said second shaft with respect to the first shaft and said member over said cam, said cam having a face thereon cooperatively engaged by said member and adapted to move said member to adjust said pulley sections with respect to one another at a rate such that a constant belt path length is maintained about said first pulley and said second pulley throughout the range of adjustment of the second pulley and variation in the axial distance between said shafts.



2,573,494
ADJUSTABLE FREQUENCY COMMUTATOR GENERATOR
Heinz Rosenberg, Vienna, Austria
Application July 23, 1947, Serial No. 762,963
In Germany April 5, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 5, 1964
24 Claims. (Cl. 171—252)



1. An electric commutator machine comprising, in combination, a rotatable armature having a commutator thereon, a stator surrounding and radially spaced from said armature, an intermediate rotor arranged in the annular space between said armature and said stator and having an exciting winding and being rotatable independently of said armature, the stator winding being series connected through said commutator in opposition to the armature winding and arranged substantially as the electromagnetical reflection of the latter, and means for controlling the speed of said intermediate rotor.

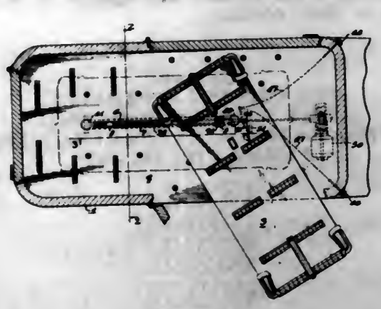
2,573,495
SEPARATION OF MALEIC ANHYDRIDE-OLEFIN MONOMERS FROM POLYMERS
John Ross, Ramsey, and Arthur I. Gebhart, Union, N. J., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 6, 1948, Serial No. 13,516
2 Claims. (Cl. 260—485)

2. The process of recovering esterifiable monomeric condensation products from a reaction mixture containing monomeric and polymeric condensation products resulting from the reaction of an olefinic compound with a compound containing the characteristic grouping

$$-C{=}C-CO$$

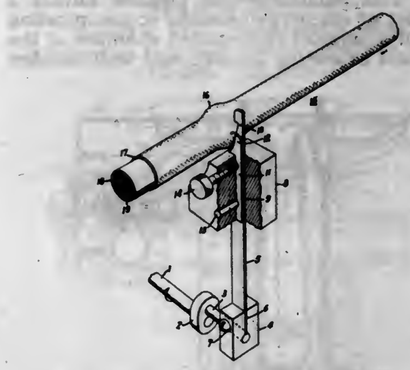
selected from the groups consisting of unsaturated aliphatic dicarboxylic acids and anhydrides, which comprises subjecting the reaction mixture to esterification with an excess of lower monohydric alcohols to completely esterify the acid group of monomeric condensation products present while bringing about no appreciable esterification of the polymeric condensation products, treating the resultant ester mixture with an aqueous alkaline solution to neutralize and dissolve the unesterified polymeric condensation products while leaving the esters as a separate insoluble phase, and separating the aqueous solution from said ester phase to recover the esterified monomeric condensation products.

2,573,496
RELEASABLE TABLE OPERATING MEANS FOR HEARSES
George La Verne Runkle, Lima, Ohio, assignor to Superior Coach Corporation, Lima, Ohio, a corporation of Ohio
Application October 29, 1949, Serial No. 124,405
11 Claims. (Cl. 214—83.24)



1. In an apparatus of the class described wherein a feed screw with nut thereon is mounted lengthwise of a hearse floor, and a casket carrying table is mounted over the screw, the provision of a shuttle pivotally carried by the table and guided for movements in the hearse lengthwise of the screw, a carrier for the nut, and manually releasable means for connecting said shuttle and carrier to cause them and the nut to have feeding movements together when the screw is turned.

2,573,497
MACHINE FOR TRIMMING AND REMOVING BRAID FROM SHIELDED WIRE AND CABLE
Jack C. Rupert, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application November 13, 1950, Serial No. 195,218
2 Claims. (Cl. 30—91)



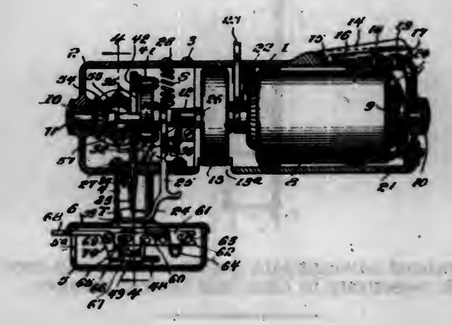
1. A machine for trimming and removing braid from shielded wire and cable comprising a stationary knife blade having an end portion substantially crescent-shaped, a movable knife blade having an end portion provided with a recess, said movable knife blade being juxtaposed to said stationary blade to produce a shearing action between the outside edge of said crescent-shaped end portion of said stationary blade and the edge of said recess of said end portion of said movable knife blade upon reciprocating motion of said end portion of said movable knife blade, the point of said crescent-shaped end portion of said stationary blade protruding beyond the zone of said shearing action to act as a guide, means to support said stationary knife blade and said movable knife blade, and means to impart a reciprocating motion to said end portion of said movable knife blade.

2,573,498
WALL PLUG
George M. Scott, Fort Erie, Ontario, Canada
Application February 1, 1946, Serial No. 644,711
In Great Britain April 20, 1945
1 Claim. (Cl. 85—2.4)



A non-metallic wall plug comprising a tubular body having radial slits extending inwardly from the outer circumference of the body short of the inner circumference of the bore of the body, and other radial slits circumferentially offset from the first slits and extending from the bore outwardly short of the outer circumference of the body but to a greater radial distance than the inward extent of the outer slits, the outer and inner slits extending throughout the length of the body and lying substantially in radial planes.

2,573,499
PORTABLE SEWING MACHINE
Harry Scott, Dayton, Ohio
Application December 12, 1947, Serial No. 791,357
2 Claims. (Cl. 112—169)



2. In a sewing machine, a frame including a housing adapted to be gripped in the hand, a gear case secured to said housing, an arm projecting from said gear case, a hollow head arranged below said case and secured to said arm, an electric motor arranged in said housing, a power output shaft driven by said motor, a flywheel mounted on said power output shaft, there being a slot in said housing for gaining access to said flywheel, an actuating lever pivotally connected to said housing for controlling actuation of said motor, a rheostat electrically connected to said motor and arranged in said housing, a control lever projecting through said housing for operating said rheostat, there being an opening in the lower side of said gear case, a vertically movable adjustable presser foot bar projecting from in said gear case through the opening in the lower side of said gear case, spring means for normally urging said presser foot bar downwardly toward said head, a stitching mechanism including a vertically reciprocable needle bar coacting with said presser foot, an eccentric disc mounted on said power output shaft and having driving engagement with the needle bar, a shuttle mechanism mounted within said head, and a flexible shaft extending through said arm and operatively connected to said power output shaft and said shuttle mechanism.

2,573,500
CREAM REMOVER
Gerhard Severud, Oslo, Norway
Application April 25, 1949, Serial No. 89,414
In Norway November 9, 1948
3 Claims. (Cl. 210—51.5)

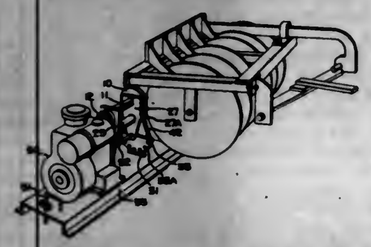
1. In a cream remover adapted to be inserted into a milk bottle, the combination of a sheet material member forming a split cylinder with the longitudinal edge portions adjacent said split bent outwardly away from each other, said cylinder being open at its top and bottom and having ears at the bottom end thereof, a closing member detachably and frictionally engaging said longitudinal edge portions so as to bridge said split and substantially close the same, a bottom member having lateral extensions detachably engaging said ears so as to hinge said bottom member to said cylinder, said bottom member

being operable selectively to close or open the bottom of said cylinder, and rod means movably



arranged adjacent said closing member and operable selectively to close said bottom member.

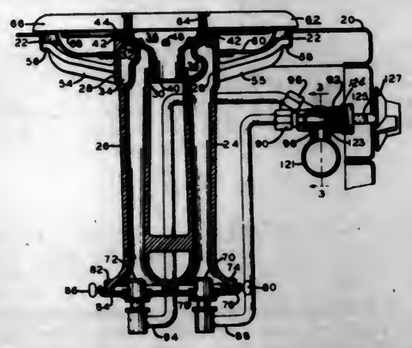
2,573,501
PORTABLE AUTOMATIC-TENSION GRINDER
Arnold B. Skromme, Honolulu, Territory of Hawaii, assignor to Pineapple Research Institute of Hawaii, Honolulu, T. H., an association of the Territory of Hawaii
Application March 11, 1950, Serial No. 149,185
4 Claims. (Cl. 51—166)



4. In a machine of the character described, a base plate, a driving shaft rotatably mounted on said base plate, a frame, a driven shaft rotatably supported on said frame, a grinding wheel mounted on said driven shaft, means pivotally mounting said frame on said base plate about an axis which corresponds to the prolongation of the rotational axis of said driving shaft, flexible means interconnecting said driving shaft with said driven shaft, an adjustably positioned member pivotally mounted about said rotational axis, and a pair of springs connected between said frame and said member.

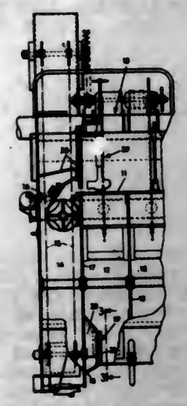
2,573,502
MULTICHAMBERED GAS BURNER WITH SELECTIVE GAS SUPPLY
William Smith, Jr., Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 23, 1945, Serial No. 595,389
4 Claims. (Cl. 158—105)

1. A burner comprising in combination, three ring-shaped walls arranged one within the other, an annular removable wall member disposed over and tightly engaging said ring-shaped walls and cooperating therewith to form two separated ring-shaped chambers, said annular removable wall member having a central opening providing an upflow air passage through said burner, a source of supply for a gas, means for separately conducting the gas from said supply source to the separated chambers, said outer ring-shaped wall and said removable wall member forming a first set of discharge passages communicating with the outermost ring-shaped chamber of the burner and extending outwardly to the periphery thereof, said removable wall member having a second set of discharge passages communicating with said outermost ring-shaped chamber of the burner and extending through said wall member



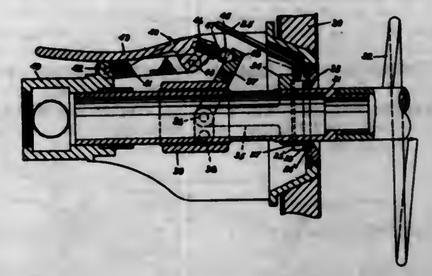
in an upward angular direction relative to said first set of passages toward the air passage through said burner inwardly of the outlets of said first set of passages, said removable wall member having a third set of discharge passages communicating with the innermost ring-shaped chamber and extending outwardly therethrough to the periphery of the burner and above said first set of passages, and means interposed between said supply source and said conducting means for selectively controlling flow of the gas to the separated chambers.

2,573,503
HUTCH VALVE FOR BAUM JIGS
William J. Smith, Worthington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application October 6, 1949, Serial No. 119,788
5 Claims. (Cl. 209—455)



1. A jig including a material supporting screen, a hutch compartment below said screen, an elevator compartment communicating with said hutch compartment, and check valve means for restricting fluid flow from said elevator compartment to said hutch compartment while providing for relatively free fluid flow from said hutch compartment to said elevator compartment.

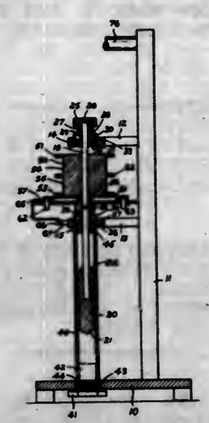
2,573,504
SEALING DEVICE
Harold L. Solie, Minneapolis, Minn.
Application February 2, 1948, Serial No. 5,819
9 Claims. (Cl. 286—7)



5. In combination with a container wall having an opening therein and a shaft passing through said opening, a backing plate secured to said wall and having an opening therein for receiving the shaft, a sealing device comprising a split cage composed of semi-circular members pivoted together and when in closed position providing an annular seat, a split compressible packing element received in said seat, means engageable with the complemental members of said device for securing said members in closed position around the shaft, and means for longitudinally translating said securing means and packing cage on the shaft to firmly compress the packing against the backing plate, thereby to positively prevent access of lubricants and foreign matter into the container, or leakage of the contents of the container through said wall around the shaft.

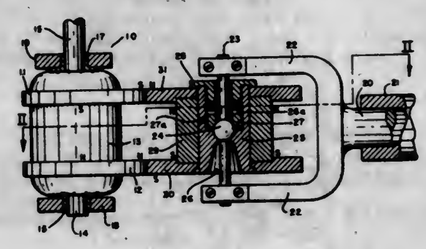
2,573,505
VISCOSIMETER
Carsten C. Steffens, Syracuse, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1946, Serial No. 672,550
4 Claims. (Cl. 73—59)

1. A viscosimeter of the character described comprising, in combination, a base, an upright member supported by said base, a pair of arm members projecting laterally from said upright member in spaced and parallel relation, a rotatable member, a shaft secured to said rotatable member and coaxial therewith, bearing means carried by the upper of said arm members for supporting said shaft in vertical position, bearing means carried by the other of said arm members for maintaining the vertical alignment of said shaft, a container for material to be tested, said container being adapted to receive said rotatable member for rotation therein, the inner wall of said container and the outer wall of said rotatable member being of complementary shape, plug means carried by said base and boss means carried by the lower of said arm members for supporting said container in vertical position and accurate concentric and spaced alignment with said rotatable member leaving uniform clearance



therebetween adapted to receive the material under test.

2,573,506
CAM SYSTEM
John F. Stokes, Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 4, 1946, Serial No. 659,640
6 Claims. (Cl. 74—569)

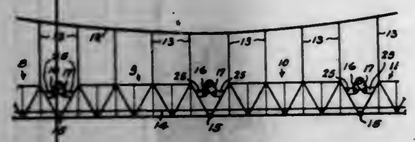


1. A cam system comprising a rotatable cam assembly having a pair of spaced cam track members, a cam follower assembly movable toward and away from the axis of rotation of said cam assembly having a pair of correspondingly spaced cam follower track members, said members of each assembly being magnetically interconnected with each assembly forming a closed magnetic circuit through said assemblies, the magnetic interconnection of at least one of said assemblies being magnetized.

2,573,507
SUSPENSION BRIDGE
Henry W. Sumner, Seattle, Wash., assignor to Walter E. Irving, Long Island City, N. Y.
Application September 7, 1945, Serial No. 614,854
3 Claims. (Cl. 14—18)

2. In a suspension bridge, suspension cable means; a plurality of bridge sections suspended from said suspension cable means and disposed in end to end relation, each bridge section being substantially rigid in vertical directions; continuous bridge deck means carried by said bridge sections; horizontal pivot means positioned ad-

jacent the plane of said bridge deck means and extending crosswise of said bridge sections and pivotally interconnecting adjacent end portions of said bridge sections; and friction means spaced from said pivot means and interconnected



between adjacent end portions of said bridge sections operable to yieldingly resist relative vertical pivotal movement of the bridge sections with which it is connected and suppress vertical undulations of the bridge.

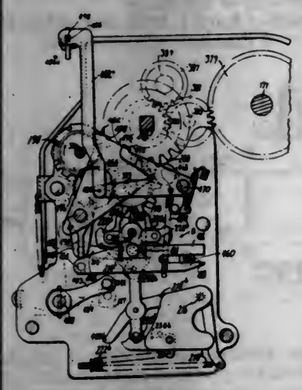
2,573,508

FUGITIVE ONE MECHANISM FOR TYPEWRITING AND ACCOUNTING MACHINES

Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corperation of Delaware

Original application September 4, 1944, Serial No. 552,856. Divided and this application March 31, 1948, Serial No. 18,143

4 Claims. (Cl. 235—59)



1. A typewriting and accounting machine comprising power means, a platen, type bar mechanisms for successively typing characters on a work sheet supported on the platen, a totalizer comprising a series of accumulator trains, a master wheel for successively engaging said trains to enter numbers, digit by digit, in the totalizer, a fugitive unit transfer mechanism controlled by the train of highest denomination when the number wheel of said denomination is rotated from "0" to "9" or from "9" to "0" for operating the train of lowest order to enter a unit therein, means operating when the number wheel of the highest denomination is rotated from "0" to "9" or from "9" to "0" for tripping the transfer mechanism for operation, a catch for preventing the transfer mechanism from operating completely at that time, and means for releasing the catch upon the passage of the master wheel from units toward sub-units position of the totalizer to allow the transfer mechanism to operate.

2,573,509

TREATMENT OF FATTY OILS

Reginald James Taylor, Wirral, England, assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine

Application November 18, 1948, Serial No. 60,703

In Great Britain November 19, 1947

9 Claims. (Cl. 260—428)

1. A process for removing undesirable flavor-imparting materials from an oil containing vitamin A without reducing appreciably the vitamin A content of the oil which comprises dissolving said oil in a non-polar saturated hydrocarbon solvent and passing the resultant solution through anhydrous gamma alumina.

2,573,510

SHOCK ABSORBING VEHICLE BUMPER

Pasquale Terranova, Bronx, N. Y.

Application January 19, 1946, Serial No. 642,189

1 Claim. (Cl. 293—85)



A bumper comprising an elongated mounting member for attachment on a vehicle, and elongated bumper member extended parallel to said mounting member and spaced therefrom, compressible resilient means supporting said bumper member on said mounting member, and arcuate leaf springs interposed between the adjacent faces of said bumper member and said mounting member and between said resilient supporting means, said leaf springs comprising a pair of oppositely disposed groups of leaf springs having their outer ends connected together and their intermediate portions secured to said bumper member and said mounting member intermediate of their ends, said leaf springs having their lengths disposed parallel to the lengths of said mounting member and said bumper member.

2,573,511

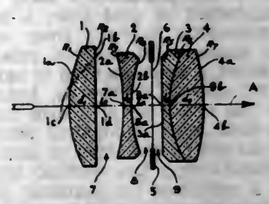
FOUR-LENS PHOTOGRAPHIC OBJECTIVE

Albrecht Wilhelm Tronnier, Gottingen, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany, a corporation of Germany

Application November 17, 1949, Serial No. 127,927

In Switzerland April 30, 1949

1 Claim. (Cl. 88—57)



A four-lens objective which comprises a front positive lens, an intermediate negative lens, a cemented positive doublet which consists of a negative lens and a positive lens, and a diaphragm located between said intermediate negative lens and said doublet, said intermediate

negative lens being separated by an air space from said front positive lens, said cemented doublet being separated by an air space from said intermediate lens, the negative lens of said doublet being adjacent said diaphragm so that said diaphragm has a negative lens at each side thereof, the index of refraction of each said negative lens being substantially less than 1.60 for yellow light which has a wave length of 5876 angstrom units, the mean dispersion of each said negative lens being substantially in the range of 0.01175 to 0.01475 in the spectral region between the Fraunhofer lines C and F, the front surface of said front lens being convex relative to the object space, the rear surface of the positive lens of said doublet being concave relative to said object space, the radius of curvature of said rear surface of the positive lens of said doublet having a length of greater absolute value than the radius of curvature of said front surface of said front positive lens, and the difference of said absolute values being in a range of substantially 10% to 20% of the equivalent focal length of the objective.

2,573,512

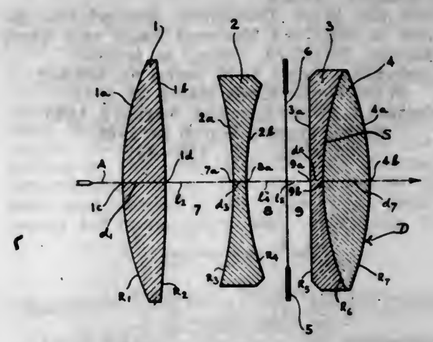
FOUR-LENS TRIPLET TYPE PHOTOGRAPHIC OBJECTIVE

Albrecht Wilhelm Tronnier, Gottingen, Germany, assignor to Voigtlander & Sohn Aktiengesellschaft, Braunschweig, Germany, a corporation of Germany

Application November 17, 1949, Serial No. 127,928

In Switzerland April 30, 1949

1 Claim. (Cl. 88—57)



A photographic objective which has an optical axis and which consists of a front half and a rear half; said front half consisting of a front positive lens and a rear negative lens; said front positive lens having a front surface which has a positive radius of curvature; said rear negative lens having a front surface which has a negative radius of curvature and a rear surface which has a positive radius of curvature; said rear half being a cemented doublet which consists of a front negative lens and a rear positive lens, said lenses of said doublet having a common surface which has a positive radius of curvature; said lenses of said front half being axially separated by an air space; said negative lens of said front half being axially separated by an air space from said cemented doublet; said objective also having the following properties: (*a*) the arithmetical mean of the respective indices of refraction of said four lenses, for light having a wavelength of 5876 angstrom units, exceeds 1.625; (*b*) the difference between said indices of refraction of the lenses of said doublet exceeds 0.055, and said index of refraction of the negative lens of said doublet is less than said index of refraction of the positive lens of said doublet; (*c*) the difference between the arithmetical mean of said indices of refraction of the lenses of the front half, and the arithmetical mean of said indices of refraction of the lenses of said doublet, exceeds 0.020000; (*d*) the sum of all said positive radii of curvature exceeds the equivalent focal length of said objective; (*e*) the sum of said positive radii of curvature of said front half exceeds two-thirds of said equivalent focal length; (*f*) one-half the sum of said positive radii of curvature of said front half is less than the radius of curvature of said common surface; (*g*) the absolute value of the radius of curvature of the front surface of the negative lens located in the front half of the objective exceeds one-half the sum of said positive radii of curvature of said front half and the maximum value of said absolute value is ninety-five per cent of the sum of said positive radii of curvature of said front half; (*h*) the total power of the positive surfaces of said objective is substantially 500% of the total power of said objective; (*i*) the power of the positive cemented surface of said doublet is less than the power of the entire objective; (*j*) the doublet has greater power than the entire objective.

2,573,513

2-NAPHTHYL J-ACID AND ITS METHOD OF PREPARATION

Vsevolod Tulagin, Phillipsburg, N. J., and Willy A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 25, 1948, Serial No. 10,925

2 Claims. (Cl. 260—509)

1. A compound selected from the class consisting of 2-naphthyl J-acid and its salts.

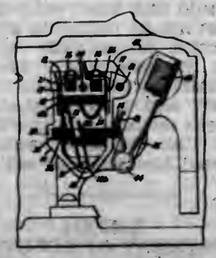
2,573,514

REVERSIBLE ELECTRIC SWITCH

William W. Turner, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application December 21, 1949, Serial No. 134,263

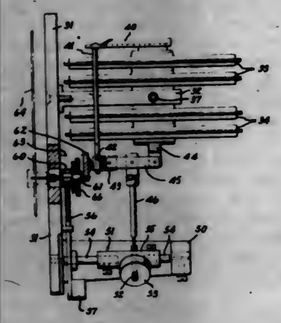
4 Claims. (Cl. 200—153)



1. An electric switch having in combination, a stationary contact member, a movable contact member of U-shape, and a case having a biased operating member mounted therein and provided with means for reversely mounting the stationary contact member in two spaced-apart positions therein and means including a pivot pin engageable reversely with the bend of the U-shaped contact member for reversely pivoting the movable contact member therein for operation by the operating member to engage the stationary contact member in one position thereof upon move-

ment of the operating member against its bias and to disengage the stationary contact member in the other position thereof upon movement of the operating member against its bias.

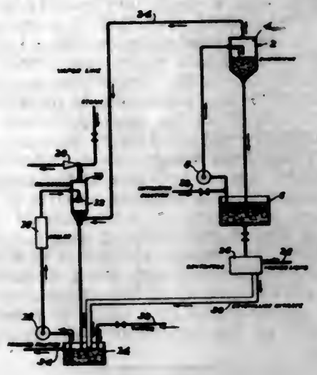
2,573,515
MARINE SPEED INDICATOR
Adolf Urfer, Lake Oscawana, Putnam Valley, N. Y.
Application November 20, 1947, Serial No. 787,091
1 Claim. (Cl. 73—407)



A speed indicator for marine vessels comprising, in combination, a pair of horizontally arranged bellows elements in substantially axial alignment having fixed ends adjacent to each other and other ends movable in respectively opposite directions each said element being responsive to pressure increases or decreases from individual sources, an indicator, and means interconnecting said other ends and indicator for positioning the indicator in accordance with pressure differences in said bellows elements, said means including a member secured with respect to said other end of one of said elements, extending along the length of said pair of elements and having a free end substantially aligned with said other end of the other said element, a horizontally arranged link pivotally interconnected with said free end of said member and said other end of said other element, a horizontally disposed shaft transverse to the axes of said bellows elements carrying said indicator, and means for translating displacements of the midpoint of said link into rotary motion of said shaft said last means including a pinion on said shaft, a second horizontally arranged shaft transverse to the axes of said bellows elements said second shaft having a crank arm and a gear sector thereon and a counterbalance for said sector, said gear sector meshing with said pinion, and a second link pivotally interconnecting the midpoint of said first link and said crank arm.

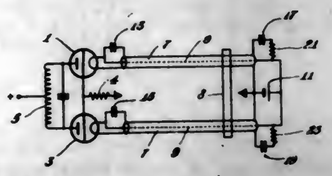
2,573,516
TREATMENT OF SOLUTIONS
Arie Pieter van der Molen, Beek, Netherlands, assignor to De Directie van Staatsmijnen in Limburg, Heerlen, Netherlands
Application February 25, 1948, Serial No. 10,753
In the Netherlands February 26, 1947
3 Claims. (Cl. 23—102)

1. A process for obtaining a simple solution of a compound contained as one of the solutes of a complex solution which comprises: evaporating a solution of a compound having a negative heat of solution in the solution solvent in a confined zone, said solution containing at least one other solute, under reduced pressure to crystallize the compound; condensing substantially all of the vapors resulting from the evaporation by direct contact with a circulating cooling liquid containing previously condensed vapors



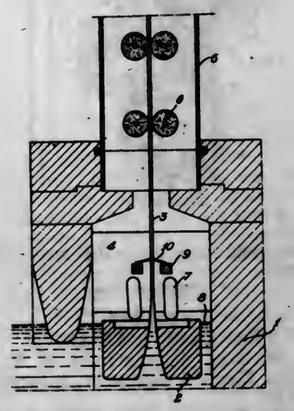
from the complex solution; conveying the aforementioned crystallized compound to a zone separate from said evaporation zone, and dissolving the crystallized compound in said condensing liquid.

2,573,517
ULTRAHIGH-FREQUENCY CIRCUIT ARRANGEMENT COMPRISING A DISCHARGE TUBE
Adelbert van Weel, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 2, 1946, Serial No. 680,932
In the Netherlands March 29, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1963
3 Claims. (Cl. 250—36)



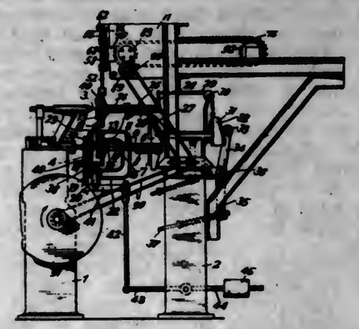
1. A high frequency device comprising a pair of electron discharge tubes each having a directly heated cathode, a grid and an anode, the grids of said tubes being interconnected, a parallel-resonant circuit connected between the anodes of said tubes, a source of cathode voltage for said tubes, a pair of coaxial transmission lines each connected between said source and a respective cathode of said tubes, said lines being juxtaposed in parallel relation, a first pair of condensers having a low impedance for high frequencies, each of said first condensers being shunted across the cathode end of one of said lines, a second pair of condensers having a low impedance for high frequencies, a pair of resistances each connected in series with one of said second condensers across the other end of one of said lines, said resistances having an ohmic value substantially equal to the surge impedance of said lines, and a shorting bar transversely disposed across the outer conductors of said lines.

2,573,518
MEANS FOR THE MANUFACTURE OF PATTERNED EMBOSSED GLASS
Albert Joseph Verheggen, Ledeliusart, Belgium, assignor to Union des Verreries Mecaniques Belges, Société Anonyme, Charleroi, Belgium, a Belgian company
Application March 13, 1947, Serial No. 734,432
In Belgium May 20, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires May 20, 1959
9 Claims. (Cl. 49—17)



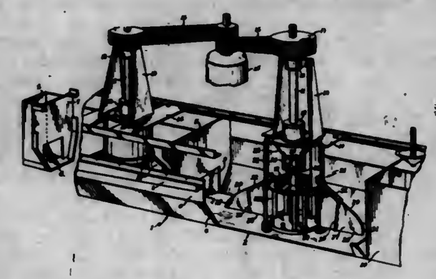
1. In a glass drawing machine, means for the manufacture of substantially transparent patterned or embossed glass, said means comprising tools disposed on at least one side of a drawing sheet whereby the pattern is impressed upon the surface of the glass during the drawing operation in a zone in which the glass is in a plastic state, supporting means for the tools, said supporting means being arranged above the free surface of the glass and movably mounted for reciprocation in a direction crosswise of the sheet and parallel to the plane of the sheet, and means for reciprocating said supporting means.

2,573,519
MACHINE FOR DRILLING AND STUDDING BRUSHES
Adolf Walther, Oberentfelden, Switzerland
Application November 1, 1948, Serial No. 57,696
In Switzerland November 1, 1947
3 Claims. (Cl. 300—3)



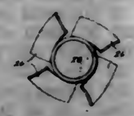
1. In a mechanism for brush-making machines for automatically controlling the horizontal and vertical movements of a carrier for the jig and the associated brush backs relatively to a hole-finder feeler and to a drilling and studding tool each associated with said feeler, the improvement defined by the provision of a pattern chain comprising a plurality of slats interconnected at their ends by means of links, two rollers pivoted on studs secured in upright position to each slat, two superposed independent plates disposed in close proximity to said chain and mounted longitudinally displaceably in the machine frame, the said plates each having a cam means fixed thereto for engaging one or the other respectively of the said rollers, and means secured at one end to each of said plates respectively and at the other end to said carrier for continuously moving the latter in a horizontal and vertical direction respectively in correspondence with said pattern so as to bring the hole-finder feeler successively into engagement with the holes in the jig and thus also the drilling and studding tools with their respective brush backs.

2,573,520
FLOTATION APPARATUS
William Arthur Wasley, Cananea, Mexico, and John Clement MacIntosh, Bisbee, Ariz., assignors to The Cananea Consolidated Copper Company, S. A., a Mexican corporation
Application October 4, 1947, Serial No. 778,066
2 Claims. (Cl. 209—169)



1. In flotation apparatus comprising a long trough-like chamber divided by transverse partitions into a plurality of cells, said partitions being formed with openings adjacent the floor of the cells for permitting an ore pulp to flow lengthwise directly from cell to cell through the chamber, an impeller of substantial height rotating in each cell for introducing air into the pulp therein, said impellers being located substantially in the horizontal plane of the partition openings, and a housing surrounding each impeller, the improvement comprising a pair of thin vertical baffles positioned below the normal pulp level in each cell and substantially in the horizontal plane of the impeller therein, said baffles extending lengthwise of the trough a substantial distance and parallel to the line of pulp flow therethrough from cell to cell and being arranged on opposite sides of the impeller housing, the height of each baffle at the housing being substantially equal to the vertical dimension of the impeller, each cell being substantially free of any obstruction apart from the impeller housing to the flow of pulp lengthwise therethrough, but said baffles serving to substantially preclude rotary flow of the pulp in the cells.

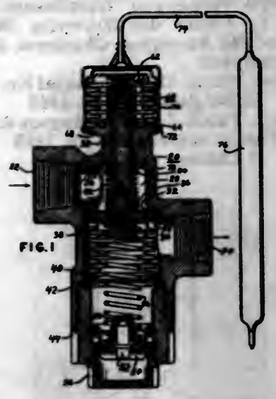
2,573,521
FLOTATION APPARATUS
William Arthur Wasley, Cananea, Mexico, and John Clement MacIntosh, Bisbee, Ariz., assignors to The Cananea Consolidated Copper Company S. A., a Mexican corporation
Application October 7, 1947, Serial No. 778,436
2 Claims. (Cl. 261—93)



1. In a flotation apparatus comprising a cell adapted to contain ore pulp and having therein means for aerating the pulp comprising a substantially vertical rotatable impeller shaft, an aerating impeller mounted on the shaft at the lower end thereof beneath the normal level of pulp in the cell, a housing surrounding the impeller shaft, said housing being continuous and imperforate from the aerating impeller upwardly to above the level of the pulp thereby defining an enclosed air admission space about the impeller shaft above said impeller, and a splash cone inside the housing adjacent the normal level of the pulp, said splash cone having its apex cut away to form a circular opening through which the impeller shaft passes, the improvement comprising a plurality of vanes pitched at an angle to the vertical and projecting laterally from the impeller shaft in the enclosed air admission space directly above the aerating impeller, said vanes being positioned directly in the circular opening of the splash cone and extending radially from the shaft almost to the inner edge of the splash cone defining said circular opening, the pitch of said vanes being such that during normal rotation of the impeller shaft the vanes force air downwardly through the opening of the splash cone toward the impeller and the radial extension of the vanes being such that accumulation of ore pulp mud in the opening of the splash cone is prevented by the mechanical scraping action of the rotating vanes.

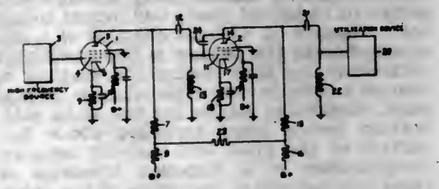
2,573,522
VALVE WITH VIBRATION DAMPER
William Wilbur Watt, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 8, 1947, Serial No. 772,625
7 Claims. (Cl. 137—153)

1. A valve including a valve body having an inlet and an outlet, a valve member within the valve body for controlling the flow of fluid from the inlet to the outlet, a motor supported by the valve body, a valve stem extending between the motor and the valve member, said valve body having a guide portion surrounding the valve stem, said guide portion being provided with a valve seat surface surrounding the valve stem, a ring member slidably mounted upon said valve stem with a close sliding fit, said ring member being also provided with a valve seat surface concentric with and having such a diameter as to fit the valve seat surface upon the guide portion, and spring means for yieldingly urging the ring



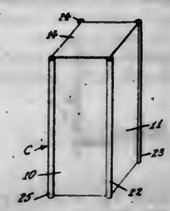
member to yieldingly hold the seat surfaces in engagement.

2,573,523
FEEDBACK AMPLIFIER
Robert L. Watters, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1946, Serial No. 678,788
12 Claims. (Cl. 179—171)



7. An electronic amplifier for wave energy within a predetermined narrow band of frequencies comprising first and second electron discharge devices each having an anode and a cathode and a control electrode, means for impressing wave energy within said band on the control electrode of said first device, means connecting the anode of said first device and the control electrode of said second device, a source of direct current, a non-frequency responsive circuit comprising a first resistor connected in an anode-to-cathode circuit of said first device between the anode thereof and said source, a second resistor connected in an anode-to-cathode circuit of said second device between the anode thereof and said source, tuned circuits connected respectively between the anodes and cathodes of said devices and tuned to a predetermined frequency in said band, and a third resistor connected between a point intermediate the ends of said second resistor and a point intermediate the ends of said first resistor for providing a low voltage, high current, feedback path between the anode of said second device and the control electrode thereof to provide a flat-topped voltage-frequency characteristic, said intermediate points being located so that said third resistor has a low resistance and its distributed capacity negligible within said band of frequencies.

2,573,524
FOIL CONTAINER
Samuel M. Weisberg, Edward H. Paulsen, and Henry Silbermann, Baltimore, Md., assignors, by mesne assignments, to National Dairy Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application April 2, 1946, Serial No. 658,999
2 Claims. (Cl. 229—37)



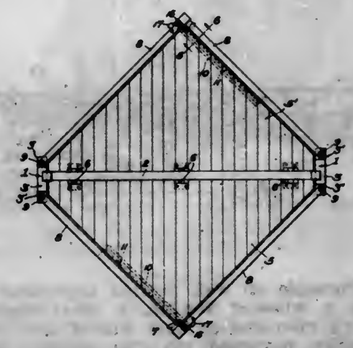
1. A container comprising a hollow body of polygonal cross-section having closed upper and lower ends and side panels of greater height than width, the edges of greater length being adjacent and angularly related to form corners extending from the lower end to the upper end, said body being formed of thin metallic foil having little resistance to impact and buckling stresses, said corners having a reinforcement of foil of substantially uniform dimensions integral with said side panels adjacent thereto and extending the full length of said corners, said reinforcement comprising a substantially cylindrical rolled bead having at least six layers in diametric cross section.

2,573,525
THERMOSETTING COMPOSITIONS COMPRISING AMINOPLAST AND CHLOROTRIAZINES
Herbert J. West, Pittsburgh, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 11, 1947, Serial No. 754,066
21 Claims. (Cl. 260—45.3)

4. A composition comprising a thermosetting aminoplastic resin selected from the group consisting of urea-formaldehyde resin and melamine-formaldehyde resin and as the sole curing accelerator therefor 0.5% to 1.0% by weight, based on the weight of said resin solids, of a chloro 1,3,5 triazine selected from the group consisting of trichlorotriazine, dichloroaminotriazine, dichlorotetradecylaminotriazine, chlorodiaminotriazine, chloroditetradecylaminotriazine and chloroaminotetradecylaminotriazine, wherein said chlorotriazine is present in the form of a free base, whenever an amino group is present in said triazine.

2,573,526
PLAY PEN
Norman W. White, Salem, Mass.
Application April 6, 1948, Serial No. 19,311
2 Claims. (Cl. 5—99)

1. A play pen having a floor, comprising a pair of upright standards joined by a horizontally extending member which forms the center piece of the play pen floor, a bracket mounted on the upper portion and a bracket mounted on the lower portion of each upright, a pair of extensions on each bracket extending from opposite sides of the upright upon which it is mounted and at right angles to the center piece, each pair of extensions on the same side of each upright being in opposed relation, four side walls for the play pen, means to pivotally mount one end of each side wall upon a pair of opposed extensions to provide a pair of side walls on each side of the center piece, means to fasten the remaining ends of the pair of side walls on each side of the center piece together to form an inclosure in the shape



of a triangle on each side of the center piece, a pair of triangular shaped floor portions and means to hinge one side of each floor portion to the opposite sides of the center piece, each floor portion being of the proper size to cover the area of the triangle formed by the pair of side walls on each side of the horizontally extended member.

2,573,527
BUCKLE
Paul W. White, Mount Carmel, Conn., assignor to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application May 29, 1948, Serial No. 30,061
6 Claims. (Cl. 24—196)



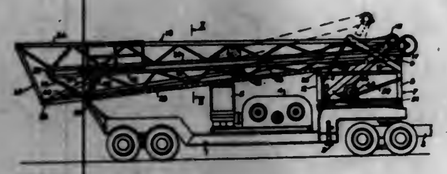
1. A slide buckle comprising a frame, a slide having spaced side-bars disposed in longitudinally slidable face-to-face relation with said frame, cooperating cross-bars on said frame and said slide, said cooperating cross-bar on said slide being inclined in a plane across the path of movement of the frame and slide to provide a clamping surface facing the other of said cooperating cross-bars to clamp a strap portion threaded therebetween in adjusted positions upon relative longitudinal movement of said frame and slide, said cooperating cross-bar on said slide having a transverse slot therein whereby another strap portion may be selectively wrapped around part or all of said slide cross-bar as required by the thickness of said strap portions, both of said strap portions being clamped between said cooperating cross-bars.

2,573,528

FOLDING MAST STRUCTURE

Homer J. Woolslayer, Cecil Jenkins, and Charles D. Hidings, Tulsa, Okla., assignors to Lee C. Moore Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1950, Serial No. 195,104
13 Claims. (Cl. 189—15)



13. Portable oil well drilling apparatus comprising a wheeled vehicle, a mast-supporting structure mounted on one end of the vehicle, drawworks mounted on the vehicle behind said structure, an upright mast pivotally connected at its lower end to said structure, the central part of the mast being hinged at its front side to form upper and lower sections adapted to fold upon themselves in substantially horizontal position with the lower section extending back across said drawworks, a toggle formed from a long brace and a short brace hinged together, means pivoting the long brace to said structure behind the lower end of the mast, means pivoting the short brace to the upper part of the lower section of the mast, a pair of links pivotally suspended from the upper part of said long brace between it and the mast on opposite sides of the latter, a sheave carried by the lower end of each link, a pair of sheaves below said link sheaves, a pair of gin poles pivoted to opposite sides of said structure below the lower end of said long brace and inclined forward and upward to support the lower pair of sheaves, cables connecting the upper sheaves with the lower sheaves, rotatable means in said structure for reeling in the cables to pull the upper sheaves downward, and a third brace behind said short brace pivotally connected with the toggle joint and the upper section of the mast below the level at which the two sections of the mast are hinged together, whereby when the mast is swung rearward as said cables are paid out, said third brace will control tilting of the upper section of the mast forward and downward toward horizontal position while the cables and toggle control swinging of the lower section down onto said vehicle, and said gin poles being adapted to swing downward by gravity when the tension on said cables is released.

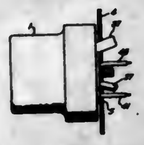
2,573,529

FRONT MOUNTED LAMP HOLDER

William R. Young, Fairfield, Conn., assignor to General Electric Company, a corporation of New York

Application June 18, 1948, Serial No. 33,877
4 Claims. (Cl. 173—339)

1. A lampholder adapted to mount against the face of an apertured surface comprising a lamp receptacle, a housing having a recess in the front thereof to accommodate said lamp receptacle and recesses in the rear to accommodate two line terminals, a frame secured in a rear recess of said housing and centered in said housing, said frame comprising a base perpendicular to the axis of said housing with a tapped hole in its center and a plurality of side walls radially disposed to the axis of said housing, a plurality of levers pivotally mounted on said walls and radially disposed to the axis of said housing, said levers projecting beyond the rear of said housing, a screw threaded into said tapped hole in the base of said frame in engagement with said levers for moving said levers radially toward and



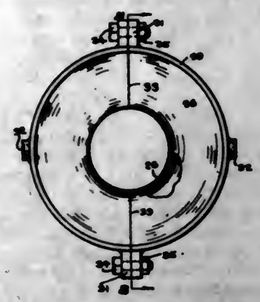
away from said axis for engagement and disengagement respectively of said levers from the aperture of said surface, said screw being accessible from the front of the lampholder through a passage between said front and rear recesses and a perforation in the center terminal of said lamp receptacle, whereby said lampholder may be secured to and disengaged from said apertured surface by operating said pivoted levers from the front of the surface.

2,573,530

METHOD OF MAKING WELDED STEEL UNITS

James P. Zallea, Wilmington, and John J. Mank, Newark, Del., assignors to Zallea Brothers, Wilmington, Del., a partnership consisting of James P. Zallea and Sol Zallea

Original application August 18, 1945, Serial No. 611,490, now Patent No. 2,489,844, dated November 29, 1949. Divided and this application March 31, 1948, Serial No. 18,138
5 Claims. (Cl. 29—148)



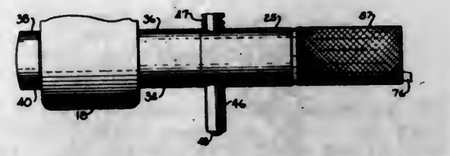
5. The method of forming reinforcing units for expansion joints of the type having a corrugated flexible tube which consists, first, in forming a circumferentially continuous annulus having a smoothly rounded inner edge and an external peripheral edge disposed in a cylindrical surface coaxial with said annulus, in then securing a circumferentially continuous circular band to said peripheral edge of the annulus, said band being of greater width than said peripheral edge of the annulus and being centered with respect thereto to provide said annulus with an embracing rim the opposite edges of which uniformly overhang the opposite sides of said peripheral edge, in providing said band with a pair of diametrically opposed, radially projecting lugs respectively apertured along axes extending normal to the axis of said annulus, and in then diametrically severing the banded annulus along the diametric median plane of said lugs to split the latter and said annulus and so provide a pair of symmetrical halves adapted to be clamped together in encircling relation about the flexible tube of the expansion joint.

2,573,531

OFFSET CONTACT ALIGNMENT INDICATOR

Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application June 6, 1947, Serial No. 752,959
16 Claims. (Cl. 33—172)



1. In an indicating device, a body member including a hollow portion, an actuator bar supported for movement transversely of said body member, a rack rigid and alined with said actuator bar, a supporting block slidably mounted in said hollow portion adjacent said rack for movement toward and away from the rack, means normally resiliently urging said supporting block in direction away from said rack, a pivot pin rigid with said supporting block, and an actuator arm rotatably supported upon said pivot pin for swinging movement in the plane of transverse movement of said actuator bar and rack, said actuator arm including a shorter leg thereof at the side of the pivot pin and supporting block adjacent said rack adapted to be engaged between teeth of the rack and a longer leg thereof at the side of said pivot pin and supporting block opposite said rack adapted to be manually manipulated.

2. In an indicating device, a hollow member, a cross pin supported therein, an actuator gear rotatably mounted on said cross pin, means for causing said actuator gear to be rotated, a hollow element mounted for swinging movement relative to said cross pin and fixed against longitudinal movement, stop means for limiting the extent of swinging movement of said hollow element, a clutching element within said hollow element, and spring means within said hollow element urging said clutching element into frictional engagement with teeth of said actuator gear, said clutching element connecting said hollow element and said actuator gear with each other for swinging movement of the hollow element between said stop members in response to rotational movement of the actuator gear.

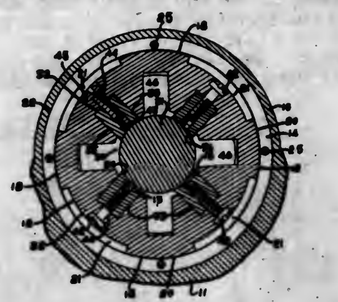
2,573,532

SELF-ALIGNING BEARING

Ewald A. Arp, Minneapolis, Minn., assignor to Tobin-Arp Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota

Application August 16, 1948, Serial No. 44,442
7 Claims. (Cl. 308—72)

1. In combination, a hollowed out cage having a longitudinally extending central passageway and radial slots disposed outwardly of and in contiguous relation to said central passageway, circumferentially spaced bearing elements in said radial slots having interiorly facing bearing surfaces of part-cylindrical configuration disposed longitudinally of said cage, there being clearance openings between said bearing elements extending longitudinally through the cage



in contiguous relation to said central passageway, and means for adjusting said bearing elements interiorly and exteriorly of said cage.

2,573,533

SPLIT PLUG BODY SUITABLE FOR HOUSING A PLURALITY OF DIFFERENT ELECTRICAL CONTACT ELEMENTS

Abraham J. Barocas, New York, N. Y.

Application March 8, 1948, Serial No. 13,544
2 Claims. (Cl. 173—334)



1. An electrical plug body comprising a pair of identical complementary halves, each half having a flange along one of its side edges and along one half of each end extending upwardly from the surface which is to abut its complementary half, and a rabbet formed along its opposite side edge and along the other half of each end, the flanges and rabbets being complementary to interengage when two halves of the body are assembled, each body half being hollow and having a pair of through openings through both of its end walls communicating with the hollow space in said body, four lugs extending up into said space adjacent the four corners of said body half and spaced apart from the side walls and from each end wall of said body, said plug body being thus adapted to receive selectively, a pair of female contact members, a pair of male contact members, and a pair of combined male and female contact members, and each body half having a lateral opening through its bottom wall for entrance of conductors.

2,573,534

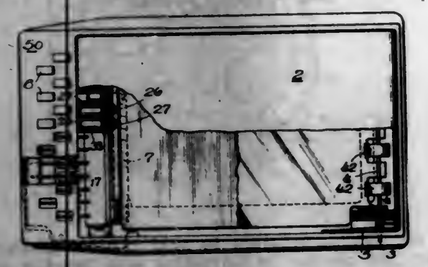
TELEPHONE-ADDRESS INDEX OR REGISTER

Hans A. Bauer, Prairie View, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois

Application July 12, 1946, Serial No. 683,663
12 Claims. (Cl. 40—194)

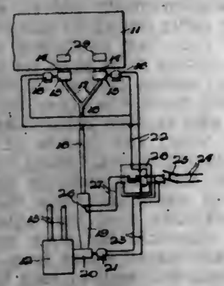
1. A telephone and address index comprising a casing including a base, a cover pivotally mounted upon the base and providing therebetween an enclosure, means for holding the cover in closed position but permitting its quick release to open position, a plurality of cards having the telephone

numbers, addresses or other data arranged in alphabetical order and with the cards pivotally mounted at one end in the casing and with the other end normally free, an indexing member for each card slidably carried in the cover and adapted to be moved beneath and engage a selected card for elevating that card and those



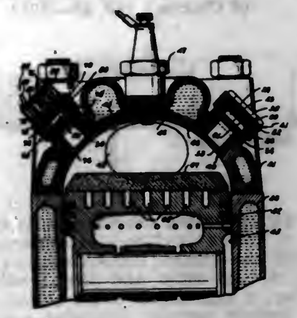
thereabove for exposing the under surface of the card selected and the face of the next succeeding card, and selector means at the front of the base including a plurality of push buttons arranged in alphabetical order for selectively actuating an indexing member and releasing the cover for exposing a selected card.

2,573,535
COAL HANDLING SYSTEM
Paul L. Betz, Baltimore, Md., and Sebastian Karrer, Washington, D. C., assignors to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland
Application February 6, 1946, Serial No. 645,864
6 Claims. (Cl. 214—17)



1. In a coal handling system for power plants adapted to deliver coal continuously to a coal receiving device such as a pulverizing mill, the combination therewith of an elevated coal storage means relatively remote from said device, a storage hopper adjacent said device, a chute adapted to receive coal from said storage means and deliver it to said storage hopper, the lower end of said chute being open and unobstructed and delivering coal directly into said hopper, said hopper having an outlet at its lower end connected to said device through which coal is discharged from the hopper by gravity, whereby the coal in said hopper is adapted to serve as a seal between the air pressures existing in said device and in the space above the level of the coal in said hopper, means for feeding coal from said storage means to the upper end of said chute, and motor means for driving said feeding means at different rates of feed, said storage hopper having a volume at least sufficient to accommodate all of the coal in transit in said chute at the maximum feeding rate of said feeding means in addition to the coal in said hopper when operation of said motor means is discontinued.

2,573,536
ENGINE DETONATION CONTROL BY ACOUSTIC METHODS AND APPARATUS
Albert G. Bodine, Jr., Van Nuys, Calif.
Application July 2, 1951, Serial No. 234,688
59 Claims. (Cl. 123—191)



8. An engine combustion chamber having acoustic attenuation means making said chamber substantially acoustically anechoic for a sonic frequency band corresponding to a detonation induced pressure cycle.

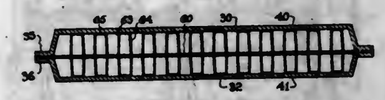
11. In an internal combustion engine, the combination of: a combustion chamber, and acoustic attenuation means operatively combined with said combustion chamber and having frequency response for a characteristic acoustic pressure cycle pattern generated in said combustion chamber by detonation, said attenuation means being arranged in acoustic communication with said chamber, all in such manner as to effect substantial reduction in the amplitude of the detonation generated acoustic pressure cycle pattern occurring within the combustion chamber.

2,573,537
MASK FOR PROTECTING DRESSES
Diana Bouffard, Warren, R. I.
Application November 18, 1950, Serial No. 196,405
5 Claims. (Cl. 2—174)



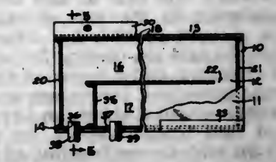
1. A mask for protecting a dress against soil from make-up comprising a generally semi-circular sheet of flexible material having one edge substantially straight and the other edge arcuate and meeting the straight edge at its ends to fit snugly over the mouth and cheeks with a centrally located notched portion along the straight edge providing an opening for the nose to project through, and a flexible member extending from the opposite meeting ends of said edges to secure the same about the head of the wearer.

2,573,538
HEAT EXCHANGER CONDUIT HAVING INTERNAL FINS
John W. Brown, Jr., Lakewood, Ohio, assignor to Brown Fintube Company, Elyria, Ohio, a corporation of Ohio
Application April 10, 1947, Serial No. 740,598
3 Claims. (Cl. 257—262.22)



2. A heat exchange conduit comprising two relatively shallow pans with short end walls, welds joining the end walls of one pan to those of the other to provide an elongated closed structure of generally rectangular cross section with the bottoms of the pans forming one pair of opposed walls and the joined walls of the pans forming another pair of opposed walls, a plurality of channel shaped heat exchanger fins, each with a base portion and a pair of fin portions, certain of said fins being secured to the bottom of one pan, certain other of said fins being secured to the bottom of the other pan, said fin portions extending from their respective bases approximately half way toward the opposite pan bottom, and a plate interposed between the fins carried by one pan bottom and those carried by the other pan bottom.

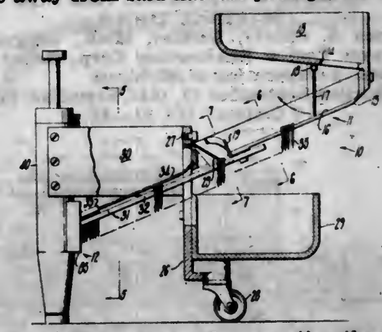
2,573,539
RADIATOR
John T. Bryce, Park Ridge, Ill.
Application December 4, 1946, Serial No. 713,988
1 Claim. (Cl. 257—133)



A baseboard radiator comprising an elongated hollow casing having relatively wide front and back walls and substantially narrow top and bottom walls, end plates closing the ends of said casing, a partitioning member dividing said casing into two parallel passages extending longitudinally of the casing, said partitioning member terminating inwardly from each of said end plates, and an auxiliary partitioning member closing one end of the lower passage, said bottom wall having a pair of openings disposed on opposite sides of said auxiliary partitioning member providing an inlet and an outlet at opposite ends of the channel formed by the two connected passages.

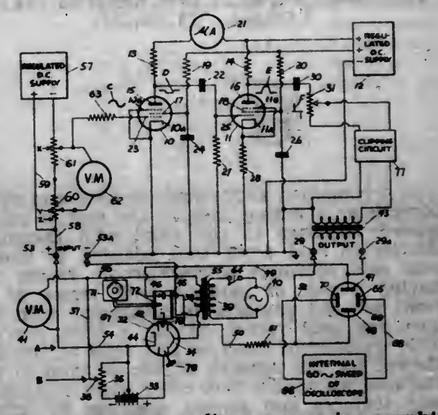
2,573,540
NAILING MACHINE
Arthur A. Cavanaugh, Alameda, Calif.
Application May 9, 1949, Serial No. 92,103
2 Claims. (Cl. 1—46)

1. A nail driving machine comprising a barrel having an axial passage formed therethrough, a nail driver mounted for reciprocation in said passage, nail set means including a nail set passage at the lower end of said barrel, said nail set passage being in axial alignment with said driver, a spring normally elevating said driver and holding it away from said nail set passage, a chute for feeding nails by gravity to said nail set passage, the lower end of said chute being in communication with said nail set passage, magnetic means operable to hold the lowermost nail in said nail chute away from said nail set passage, knockout



means including a spring for operating the same, said spring being substantially weaker than the spring for elevating said driver, said knockout means being operable to detach a nail from said magnetic means for delivery thereof to said nail set passage, means interconnecting said driver and knockout means normally operable to inactivate the latter and to hold the same out of contact with said lowermost nail, said interconnecting means being operable to cause operation of said knockout means in timed relation to reciprocation of said plunger.

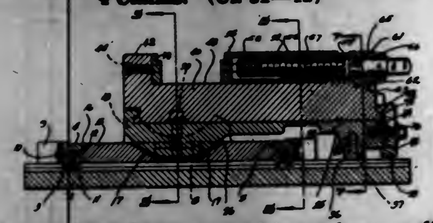
2,573,541
CIRCUIT FOR MEASURING VOLTAGE BY OSCILLOSCOPE
Gordon E. Chandler, Winchester, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application July 23, 1946, Serial No. 685,587
5 Claims. (Cl. 315—4)



1. In combination, voltage-responsive graphic indicating means, means for generating a cyclically varying potential, connected to said graphic means for producing a predetermined graph thereon, means fed by and responsive to said varying potential for generating a marker potential at a predetermined point in the cycle of said varying potential, said marker generating

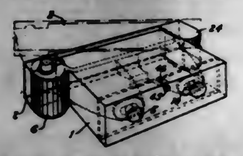
means being connected to said indicating means to superimpose said marker potential on said graph, means for adjusting said marker potential generating means to vary the relative position of said point, and measuring means connected to said marker generating means for indicating the value of said varying potential at the adjusted position of said point.

2,573,542
COMPACT UNIVERSAL VISE FOR MACHINE TOOLS
Charles A. Cherry, Berkley, Mich., assignor to Beaver Tool & Engineering Corp., Royal Oak, Mich., a corporation of Michigan
Application September 13, 1945, Serial No. 615,983
4 Claims. (Cl. 81—41)



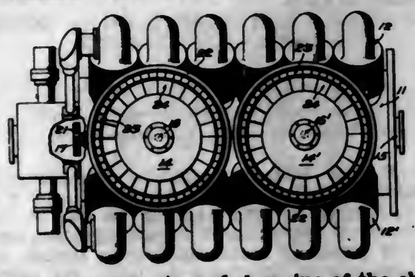
1. A universal vise comprising a base, a disk rotatable therein on an axis perpendicular to the general plane of said base, a segmental bearing carried by said disk and having an axis perpendicular to the first named axis, a depressed seat formed in said disk between the faces thereof, a body having a dropped seating portion extending into said seat, a dropped segmental bearing carried by said portion and following the concavity of said depressed seat, said dropped bearing having an axis perpendicular to both the first and second named axes, a jaw carrier rotatably mounted in the last named bearing, and a complementary jaw carrier slidably mounted on the first named carrier.

2,573,543
COMBINED STEREOSCOPIC CAMERA AND VIEWER
John C. Childs, New Rochelle, N. Y.
Application August 30, 1949, Serial No. 113,145
7 Claims. (Cl. 88—31)



1. A combined stereoscopic camera and viewer comprising a casing open at the rear, a pair of spaced openings in the front wall thereof, a shutter in said front wall adapted to operate over said openings, a stereoscopic viewer unit having a pair of passages with lenses at the front of said passages in alinement with said openings, said viewer having a back provided with translucent surfaces and slots at the ends thereof for the passage of film in front of said surfaces, an opaque film cover plate adjacent to said surfaces and having openings in register with said translucent surfaces, mechanism in said viewer advancing said film having a handle extending therefrom, means for holding said viewer within said casing, a cover for the rear of said casing having enlarged ends for receiving film spools, film holding chambers at the junction of said casing and casing cover, means in one of said chambers for feeding film, and means for securing said cover onto said casing, said viewer as a unit being removable from said casing.

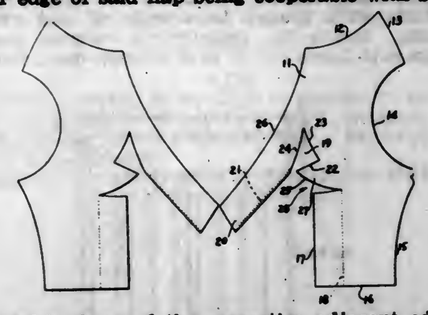
2,573,544
AIR-COOLED INTERNAL-COMBUSTION ENGINE
Joseph M. Colby, Grosse Pointe, Mich.
Application October 2, 1946, Serial No. 700,632
10 Claims. (Cl. 60—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. An improved air-cooled engine of the character described comprising, in combination, an internal combustion engine having a crankcase with a crankshaft therein and a plurality of rows of cylinders each equipped with air-cooling fins, at least one rotatably mounted auxiliary shaft with the axis thereof adjacent and parallel to the axis of said crankshaft, means operably connecting said auxiliary shaft to said crankshaft for drive rotation by the latter, at least one rotatably mounted blower shaft operably geared at one end thereof to said auxiliary shaft and extending therefrom upwardly and outwardly between two rows of said rows of cylinders, the axis of said blower shaft being perpendicular to the axes of said crankshaft and said auxiliary shaft, a bladed rotary axial flow suction fan mounted on the other end of said blower shaft for rotation with the latter and in a plane parallel to the axis of said crankshaft, the axis of said suction fan being perpendicular to the axis of said crankshaft, blades of said suction fan extending in close proximity to said air-cooling fins of at least some of said cylinders, and a mounted fan shroud member having upper and lower open ends thereof and surrounding said suction fan adjacent the outer ends of said blades thereof for directing flow of air from said air-cooling fins to said suction fan, said shroud member terminating at said lower open end thereof between said suction fan and said air-cooling fins, said suction fan by operation of said engine being rotatable in a direction effecting the drawing of air from across the air-cooling fins of said cylinders and thence upwardly and outwardly through said upper open end of said fan shroud member.

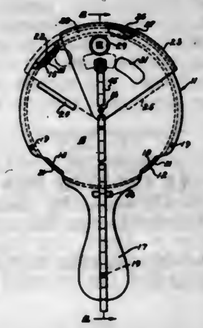
2,573,545
LADY'S GARMENT CONSTRUCTION
Theodore I. Cooper, Detroit, Mich.
Application February 23, 1950, Serial No. 145,867
4 Claims. (Cl. 2—105)

4. In a pattern for a lady's garment, a substantially flat base element, an elongated rectangularly shaped flap extending angularly downward and outwardly from the upper inner portion of said base, the latter having formed in the central portion thereof a substantially triangular notch, with a portion of said flap forming one boundary of said notch, and a similarly shaped substantially triangular tab formed in said base below said notch, the lower portion of said base having an inner upright edge, the inner edge of said flap being cooperable with said



upright edge and the respective adjacent edges of said notch and tab being cooperable.

2,573,546
EYE TESTING INSTRUMENT
Frank D. Costenbader, Washington, D. C., and Warner W. Hall, Arlington, Va.
Application October 11, 1949, Serial No. 120,714
4 Claims. (Cl. 88—20)



1. In a visual testing device, a support having an internal chamber and a projecting handle, a flat chart rotatably mounted in said chamber on an axis substantially perpendicular to the direction of projection of said handle, said chart having on one side a series of test characters of different size arranged in a circle about said axis and on the other side a duplicate series of said characters all of substantially the same size arranged in a circle about said axis, an aperture in one side of said support for selectively exposing said test characters in turn to the observer, an aperture on the other side of said support for exposing to the examiner the duplicate of said character exposed to the observer whereby the examiner is informed accurately and instantly as the exact test character being viewed by the observer, and coacting means on the chart and support for registering said chart with said apertures.

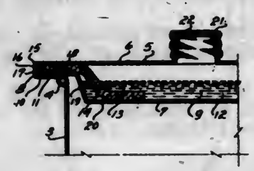
2,573,547
AMALGAM CARRIER
Walter S. Crowell, Melrose Park, Pa., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application April 10, 1946, Serial No. 660,923
1 Claim. (Cl. 32—60)

An implement of the class described, comprising a hollow handle having a forwardly extended barrel curvedly deflected laterally and terminating in a nozzle region, a plunger mounted for axial movement in said nozzle region, trigger means including a stem and rod adjustably engaged in threaded relation and arranged to force said plunger outwardly, a lock-nut arranged to



retain said stem and rod in axially adjusted relation, a section of flexible shafting including an axial core wire, connecting said rod and plunger, and a spring contained in said handle and tending to withdraw said plunger into said nozzle region.

2,573,548
SANITARY GARBAGE CAN
Millard B. Cunningham, Tulsa, Okla.
Application April 30, 1949, Serial No. 90,735
5 Claims. (Cl. 220—87)

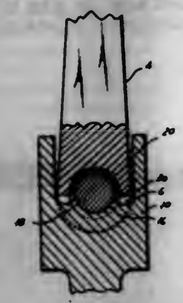


1. A sanitary garbage can cover comprising, a top plate, a bottom plate spaced from the top plate, said top and bottom plates being connected at the peripheral edges thereof to form a reservoir therebetween adapted to contain deodorant insecticide liquid, said bottom plate having a plurality of spaced weep openings adjacent the peripheral edge, an absorbent strip secured between the top and bottom plates adjacent the periphery thereof and overlying the weep openings, said strip having portions extending inwardly into the insecticide liquid, and a fill fitting having communication with the space between the top and bottom plate for applying the insecticide to the reservoir.

2,573,549
CONNECTING ROD JOINT
George I. Danly, Elmhurst, and Vasil Georgeff, Chicago, Ill., assignors to Danly Machine Specialties, Inc., Chicago, Ill., a corporation of Illinois
Original application November 3, 1947, Serial No. 783,749. Divided and this application July 21, 1949, Serial No. 106,066
2 Claims. (Cl. 287—96)

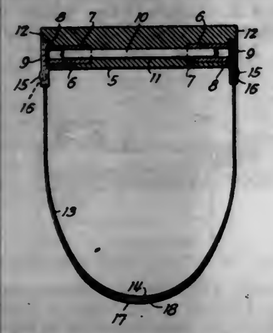
1. In a power press, a pitman and a reciprocating member, said pitman being formed with a bifurcated lower end, said reciprocating member being formed with recesses adapted to receive

the branches of said bifurcated end, and a pin pivotally connecting said bifurcated end to said



reciprocating member, the lower portion of said pin being supported by said reciprocating member adjacent its ends and intermediate thereof.

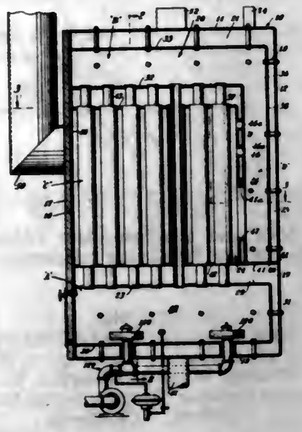
2,573,550
DOUGH BLENDER
E. Lucian Dennis, Rockford, Ill., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts
Application March 29, 1947, Serial No. 738,198
8 Claims. (Cl. 259—144)



1. A dough blender comprising a plurality of bowed spring wires as dough mixers or cutters disposed with their arcuate intermediate portions in spaced substantially parallel relation, a plurality of bowed strips, each of a width several times the thickness of the wire, as dough kneaders disposed with their arcuate intermediate portions between the intermediate portions of the wires, and a handle disposed with its ends adjacent and in transverse relation to the ends of said wires and strips and secured thereto.

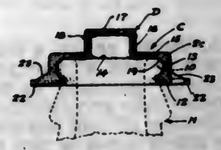
2,573,551
VERTICAL FIRE TUBE STEAM BOILER
Charles T. Denker and John E. Moore, Chicago, Ill., assignors to The Calefactor Corporation, Chicago, Ill., a corporation of Illinois
Application February 9, 1946, Serial No. 646,519
3 Claims. (Cl. 122—122)

1. A boiler comprising an outer casing, a lower combustion chamber mounted within said casing and having outside walls spaced inwardly from walls of said casing, a flame box mounted within said casing above said combustion chamber and having outside walls spaced inwardly from walls of said casing, fire tubes interconnecting said combustion chamber and flame box, an exhaust duct mounted within said casing between said combustion chamber and flame box and having outside walls spaced from walls of said outer casing, means for transferring exhaust gases from said flame box to said exhaust duct, water



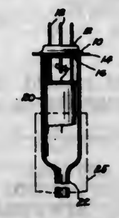
tubes mounted within said casing around said fire tubes and extending through said exhaust duct, and means for introducing water into said outer casing in direct contact with said lower combustion chamber, and means for exhausting steam from the upper end portion of said casing.

2,573,552
BOTTLE CLOSURE DEVICE
Jacob J. Detzel, Chicago, Ill., assignor to Kayware Corporation, Chicago, Ill., a corporation of Illinois
Application October 10, 1949, Serial No. 120,499
4 Claims. (Cl. 215—41)



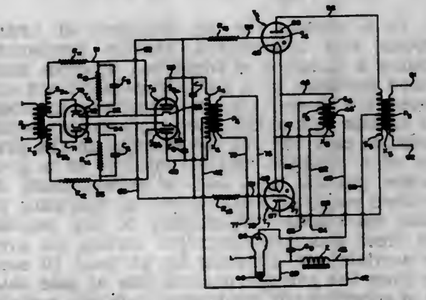
1. In a bottle closure adapted for sealing cooperation with a bottle neck having an outwardly projecting annular neck bead at its end, a one-piece cap member formed from a relatively stiff elastic material to afford an annular cap bead adapted to be stretched about and moved downwardly beyond the neck bead of a bottle neck and to snugly embrace the bottle neck just below such neck bead, an integral annular wall extended upwardly from the outer portion of said cap bead, a main top wall formed integrally with said annular wall and extended toward the central axis of the annular wall and substantially perpendicular to such axis, said top wall and said annular wall being connected by an internal fillet arranged to conform substantially to the opposed surfaces of such a neck bead, and the outer surfaces of said top wall and said annular wall being joined by a slightly rounded surface to afford a relatively thick corner portion at the juncture of such walls, said top wall terminating short of the central axis and having an integral imperforate dome formed thereon comprising relatively thin upwardly extending annular side walls of a thickness that is not greater than the thickness of said main top wall and a secondary top wall closing the upper end of said last mentioned annular side walls.

2,573,553
OVERLAPPING HEADER FOR RADIO TUBES
Robert F. Doran, Floral Park, N. Y., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application September 28, 1946, Serial No. 699,978
4 Claims. (Cl. 313—318)



1. A header for radio tubes or the like comprising a glass disc with metal leads projecting therethrough said disc being approximately .080 inch thickness to permit a good vacuum tight glass-to-metal seal between it and the metal leads and being further provided with a relatively thin tapered large diameter flange of approximately one fourth the thickness of the main portion of the disc.

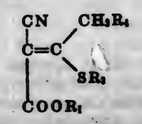
2,573,554
LIGHT STABILIZER AND REGULATOR SYSTEM
Robert J. Dwyer, Pasadena, Calif., assignor, by mesne assignments, to Applied Research Laboratories, Glendale, Calif., a copartnership
Application March 7, 1950, Serial No. 148,117
6 Claims. (Cl. 315—291)



1. In an automatic light regulating circuit, apparatus comprising: a direct current amplifier including a pair of electron discharge devices each having a cathode, control grid and anode, said devices being connected in push-pull; a signal input source connected between said control grids, said signal input source comprising a Wheatstone bridge circuit; a photoconductive device in one leg of said bridge circuit; conductors connecting the opposite output terminals of said bridge circuit respectively to the said control grids of said electron discharge devices; means for maintaining negative bias voltages upon said control grids sufficient to cause said devices to operate as so-called grid-bias detectors; means to maintain the negative bias on one of said devices greater than that of the other whereby the grid-bias detection action of one of said electron discharge devices is greater than that of the other; said photoconductive device and bridge circuit being arranged to apply increased negative potentials upon the said grid having the greatest negative bias, upon increase in conductivity of said photoconductive device; the greater output impedance load being connected to the anode of the device biased for the greater grid-bias detection action; a direct current voltage source the positive end of which is connected through said load impedances to the respective anodes of said electron discharge devices and the negative end of which is connected to the cathodes of said devices; a pair of output connections from said amplifier each connection extending from one of said anodes of said electron discharge devices; and a thyratron rectifier having a cathode, anode and control electrode; an alternating current supply means for the anode circuit of said thyratron; an electric light means connected in series in said circuit; means coupling said pair of output connections of said amplifier to said cathode and control electrode of said thyratron to control the duration of conductivity of said thyratron through said circuit for each cycle of the supplied alternating current such that an increase in fluctuation of the light from said electric light means falling upon said photoconductive device results in a decrease in the period of conductivity of said thyratron during each alternating current cycle.

2,573,555
METHOD FOR MAKING METHINE DYESTUFFS
Harry Derek Edwards, Ilford, England, assignor to Ilford Limited, Ilford, England, a British company
No Drawing. Application September 22, 1949, Serial No. 117,266. In Great Britain October 2, 1948
7 Claims. (Cl. 260—304)

1. Process for the production of methine dyestuffs which comprises reacting a compound of the general formula:



where R_1 is an alkyl group, R_3 is selected from the group consisting of alkyl and aralkyl groups and R_4 is selected from the class consisting of the hydrogen atom and alkyl groups, with a compound selected from the class consisting of alkyl and aralkyl quaternary salts of five-membered and six-membered heterocyclic nitrogen compounds of the type used in cyanine dyes, having a thioether group in one of the α and γ positions to the quaternary nitrogen atom.

2,573,556
MOBILE VACUUM STRIPPER FOR CARDING MACHINES
Mitchell S. Fain, Cheshire, Conn.
Application May 20, 1948, Serial No. 28,146
1 Claim. (Cl. 132—67)

A vertical, generally cylindrical collector tank for a vacuum stripper for carding cylinders, said tank being provided with a horizontal partition adjacent its upper end dividing the tank into upper and lower sections, the tank and the partition having openings therein and a duct passing through such openings and leading downwardly into the lower tank section, the partition

having a second opening therein, and a foraminous filter covering such opening, a baffle disposed between said opening and the duct, an outlet duct, the upper section of the tank having



an opening for receiving such outlet duct, a foraminous filter covering the inner terminal of such duct, the upper and lower sections of the tank having access openings and removable closures for such openings.

2,573,557

COPY STRIP RETAINING AND FEEDING MEANS FOR OPTICAL PROJECTOR APPARATUS

Philip M. Field, New York, N. Y., assignor to Charles Beseler Company, Newark, N. J., a partnership

Application May 4, 1949, Serial No. 91,368

3 Claims. (Cl. 88—28)



1. A holder for strip opaque copy for use in projector apparatus, comprising a platform and means to support the same removably in the projection field of the apparatus and including elements respectively overhanging opposite sides of the platform to fit over corresponding edges of the projection field aperture, a guide, secured to the platform, for a continuous copy strip and affording an apertured frame portion for projection of the copy through the aperture, and friction means projecting through the platform against the guide to engage copy strip passing therebetween and advance the same to register with the apertured frame portion, together with means for operating manually said friction means.

2,573,558

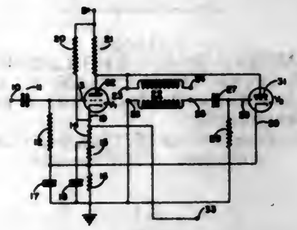
PULSE GENERATOR

Martin Fischman, Brooklyn, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy

Application October 10, 1945, Serial No. 621,573

7 Claims. (Cl. 250—27)

5. A circuit for generating a pulse of predetermined duration comprising the combination of an open-ended transmission line, a source of charging potential connected to one end of said line, a first switching means and an impedance connected in series across said one end of said line, and second switching means connected



across said one end of said line and having a control element connected to the other end of said line.

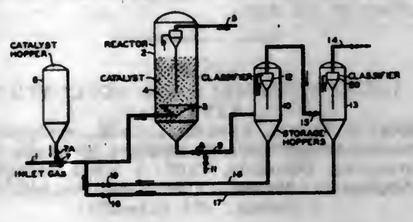
2,573,559

METHOD FOR REPLACING DEACTIVATED HYDROCARBON SYNTHESIS CATALYST WITH FRESH CATALYST

Alvin H. Friedman, Kansas City, Mo., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 21, 1948, Serial No. 34,177

6 Claims. (Cl. 260—449.6)



1. In a process for the synthesis of hydrocarbons and oxygenated organic compounds utilizing a fluidized catalyst bed wherein finely divided particles of a suitable catalyst are suspended in a gaseous stream comprising hydrogen and carbon monoxide, the improvement which comprises carrying out the reaction in the presence of a fluidized bed of catalyst of a given average particle size and of substantially diminished catalytic activity and at operating reaction conditions; introducing to the reaction zone fresh fluidizable catalyst, having an average particle size differing by at least 10 mesh size from the average particle size of said catalyst of substantially diminished catalytic activity, in such a manner and in such quantity that no substantial change in the operating conditions occurs; withdrawing from the reaction zone at a point below the upper level of the fluidized catalyst bed a portion of the catalyst contained therein which portion comprises fresh catalyst and catalyst of diminished catalytic activity; separating from said withdrawn portion of catalyst by difference in particle size the fresh catalyst contained therein; returning said separated fresh catalyst to the reaction zone; and continuing the above-described steps at such a rate and until the said fluidized bed of catalyst of diminished catalytic activity has been substantially completely replaced by a fluidized bed of the fresh catalyst having different average particle size from said catalyst of diminished activity.

2,573,560

METHOD OF ALIGNING AND MOUNTING BINOCULAR TELESCOPES

James Weir French, Glasgow, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland

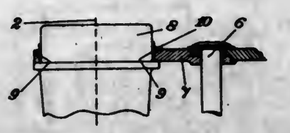
Application November 6, 1946, Serial No. 708,052

In Great Britain February 12, 1944

Section 1, Public Law 690, August 8, 1946

Patent expires February 12, 1964

3 Claims. (Cl. 88—34)



1. In the manufacture of a binocular instrument of the hinging interocular adjustment type including two limb-and-hinge assemblies and each limb mounting an eye lens and objective lens; a method of joining each limb to its hinge comprising forming co-operating formations on the limb and hinge, said formations defining an annular recess, adjusting the limb in the recess so that the optical axis of the limb is brought into parallelism with the hinge axis, and filling said recess with a pourable solidifiable filling material which on solidifying secures the limb in its adjusted position relative to the hinge axis.

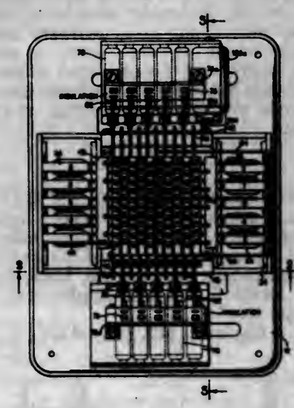
2,573,561

STORAGE UNIT

Frank J. Furman, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 25, 1949, Serial No. 101,473

12 Claims. (Cl. 235—61.6)



1. In a storage device, a contact plate having electrically separated conducting elements therein constituting a data storage zone, contact unit guide passages in said plate intersecting said conducting elements, a contact unit mounted in each of said passages for sliding movement in a single, fixed path into and out of bridging contact with said conducting elements, a pivoted contact operating bar spaced from and in alignment with each contact unit, a contact operating assembly disposed between said contact operating devices and the contact units of said storage zone, a plurality of axially sliding interposers mounted in said contact operating assembly in offset and axially spaced relation with respect to said contact operating bars and the contact units of said zone, means for confining the sliding movement of said interposers to a single fixed path, yielding means operative on each of said interposers for normally retaining them in axially spaced relation to said contact units, means for moving said contact operating assembly to align the interposers thereon with said contact operating bars and the contact units of said zone, and means for thereafter selectively operating said contact operating bars into operating contact with aligned interposers, thereby operating selected contact units.

2,573,562

FLUID-DYNAMIC STABILIZER AND DAMPER

Maurice Adolph Garbell, San Francisco, Calif., assignor, by direct and mesne assignments, of one-fourth to Maurice A. Garbell, Inc., San Francisco, Calif., a corporation of California, and three-fourths to Garbell Research Foundation, San Francisco, Calif., a corporation of California

Application July 16, 1946, Serial No. 683,814

7 Claims. (Cl. 244—91)



1. A craft for operating in fluids, means for stabilizing said craft comprising at least one pair of fins arranged at opposite sides of the longitudinal axis of the craft, said fins having a cambered fluid foil section arranged with the concave side thereof directed inboard and characterized by a sharp profile-drag increase when subjected to an angle of attack below that of substantially zero lift and having a normal low profile-drag when subjected to an angle of attack substantially above zero lift, said fins being positioned with respect to said axis at their angle of no lift during normal forward motion of the craft through the fluid, and said fins being laterally spaced with respect to the center of gravity of the craft and being responsive to any deviation of the fins and craft from the angle of attack of no fin lift, toward a negative angle of attack to create a sharp profile-drag increase and thus exert a stabilizing moment about said center of gravity.

2,573,563

FLOW CONTROL AND PRESSURE REGULATING DEVICE

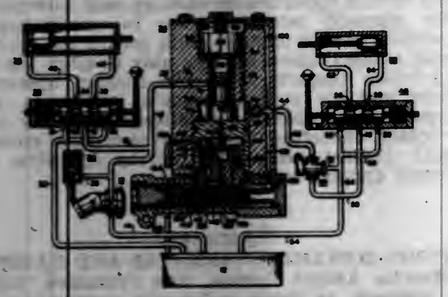
Duncan B. Gardiner, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application August 27, 1947, Serial No. 770,883

5 Claims. (Cl. 60—97)

1. A flow control and pressure regulating mechanism comprising in combination a housing having an inlet adapted to be connected to a high-pressure fluid source and an outlet through which fluid is adapted to flow at a substantially uniform volume and at a reduced pressure to be maintained below a predetermined maximum, in series between the inlet and the outlet a throttle and a pressure compensating valve the latter of which is responsive to the pressure drop across the throttle for reducing the pressure from that at the inlet and for maintaining a substantially uniform flow rate through the throttle,

and pressure responsive means for closing the compensating valve and blocking flow from the



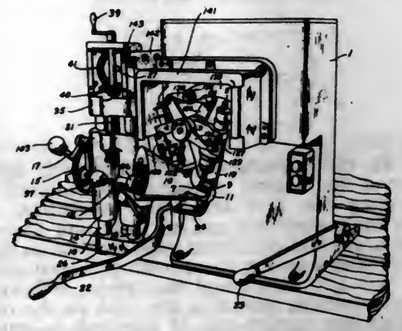
inlet to the outlet upon predetermined increases of pressure beyond the throttle.

2,573,564
FOLDABLE LADY'S HAT
Jamesina Goldstein, New York, N. Y.
Application November 17, 1950, Serial No. 201,803
1 Claim. (Cl. 2—198)



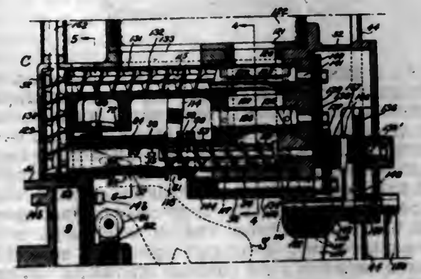
A folding ladies' hat comprising a single rectangular sheet of flexible material having end portions thereof doubled upon itself along upper and lower transverse fold lines to provide a relatively large back panel and relatively small upper and lower front panels having inner transverse edges thereof spaced apart longitudinally of the back panel to expose an intermediate portion of the back panel therebetween the front panels, side edges of said front panels being secured to corresponding side edge portions of the back panel, a substantially semi-circular line of stitching attaching the upper front panel to the back panel and extending upwardly and inwardly from opposite sides of said sheet to adjacent the upper fold line whereby to provide an inverted upper pocket between the upper front panel and the back panel for receiving a user's head, an arcuate line of stitching attaching the lower front panel to the back panel and extending downwardly and inwardly from one side of said sheet and terminating at a point adjacent the lower fold line whereby to provide a depending lower pocket between the lower front panel and the back panel for receiving the back portion of a user's hair, and a tie strap having free end portions and an intermediate portion secured to the back surface of the back panel at a point adjacent the center of the latter, whereby the free end portions of said strap may be extended transversely in opposite directions around said intermediate portion of the back panel to draw the same together and whereby said free end portions may be connected to sustain the hat on a user's head.

2,573,565
WOOD CHECKERING APPARATUS
Ellis W. Hailston, Ilion, N. Y., and Clifford F. Casey, Stratford, and George R. Melick, Southport, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 24, 1946, Serial No. 692,768
12 Claims. (Cl. 144—144)



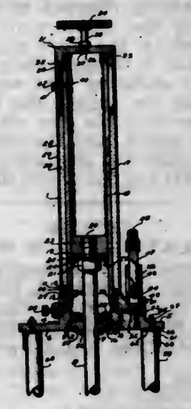
1. In a woodworking machine comprising a main frame, a work-holder adapted to engage a workpiece; an indexing frame having means to mount the work-holder for supporting the workpiece in one or more of a plurality of angularly related positions each equidistant from a predetermined reference plane; a traversing frame mounted on the main frame for reciprocation on a line parallel to said reference plane and having means thereon to support the indexing frame for movement along a line parallel to the reference plane and at an angle to the line of reciprocation of the traversing frame; means to impart successive reciprocating movements to the traversing frame; indexing means to impart an incremental movement of a uniform amount to the indexing frame for each cycle of reciprocation of the traversing frame; and cutter means mounted on the main frame and engageable with the workpiece during reciprocation of the traversing frame.

2,573,566
METERING VALVE FOR FILLER MACHINES
Carl F. Hammann, Boston, Mass., assignor to North American Research Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application October 20, 1943, Serial No. 506,931. Divided and this application July 19, 1947, Serial No. 762,135
6 Claims. (Cl. 222—413)



2. In a machine of the type described, a plastic material delivering mechanism comprising: a material container; a delivery chamber having a discharge port; means for transmitting said material from said container into said chamber; a slide normally closing said port; a pair of gate sleeves superimposed movably relative to each other on said slide and said port and together defining a metering opening of variable area; means for operating said slide to open and to close said port, and adjusting means for moving said gate sleeves, thereby setting a discharge opening of predeterminable area.

2,573,567
PUMP AND RAM HYDRAULIC LIFTING DEVICE
Chester D. Hancock, Kansas City, Mo., assignor of one-third to William L. Ruhle, Mission, and one-third to Raymond Theno, Welborn, Kans.
Application June 11, 1949, Serial No. 98,482
3 Claims. (Cl. 60—52)

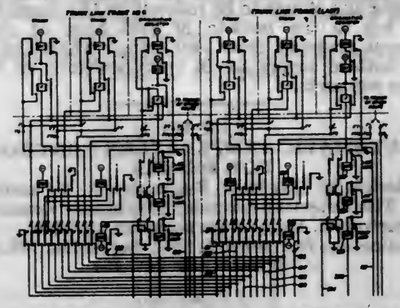


1. An hydraulic jack for operating on sleeves of engine cylinder blocks comprising, a cylinder, a jacket concentric with said cylinder and spaced therefrom, means closing the ends of the cylinder and jacket to provide a fluid reservoir therebetween, a piston slidably mounted in the cylinder, a piston rod fixed to the piston and extending from the cylinder, seal means in the cylinder engaging the piston rod to effect a pressure seal closing the end of the cylinder, a second seal engaging the piston rod and secured to the means closing the end of the cylinder, a valve controlled passage for flow of fluid from the second seal to the reservoir, an hydraulic pump mounted on one of the cylinder closing means, and valve controlled passages connecting the reservoir, pump and cylinder whereby operation of the pump applies fluid pressure to the cylinder between the piston and said first seal means for forcibly moving the piston in the cylinder, said movement pulling the piston rod into the cylinder.

2,573,568
LUBRICANT COMPOSITION CONTAINING DIALKYL TRIHALOALKANE PHOSPHONATE AS AN EXTREME PRESSURE AGENT
Denham Harman, Berkeley, and Roy E. Thorpe, Castro Valley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application May 10, 1948, Serial No. 26,228
7 Claims. (Cl. 252—49.9)

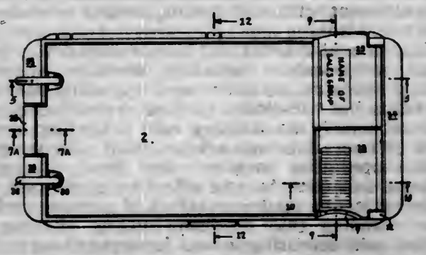
1. A composition of matter comprising a major amount of a neutral liquid medium and a minor amount, sufficient to impart extreme pressure properties to said neutral liquid medium, of a dialkyl trihaloalkane phosphonate.

2,573,569
FRAME AND TRUNK SELECTION
Ralph E. Hersey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 57,396
17 Claims. (Cl. 179—18)



1. In a telephone system, a plurality of switch frames, a group of outgoing circuits, one or more of said circuits terminating on each of said switch frames, a common control circuit, means in said control circuit to simultaneously test a plurality of said frames for idle frames having at least one idle outgoing circuit terminating thereon, means responsive to said testing means to select one of said idle frames and to connect said control circuit with said selected frame, and means thereupon effective to select an idle one of the outgoing circuits which terminate on the selected frame.

2,573,570
ACCOUNTING AID
Frank A. Howard, Jr., Elizabeth, N. J.
Application July 20, 1946, Serial No. 685,030
7 Claims. (Cl. 101—297)



7. An accounting mechanism comprising a shallow frame, a base mounted in said frame, printing type removably mounted on said base, a movable printing platen hingedly carried relative to the base and adapted to squeeze a sheet against individual faces of the type, said platen having an irregular contact surface of which protruding portions have rounded boundary contours lying in a plane parallel with the type face, means for slidably guiding said platen in a limited motion parallel to the type face, whereby the platen surfaces in contact with the sheet may slide over the face thereof while squeezing the sheet against individual type faces to produce a legible impression on the sheet with a minimum of direct pressure, a top cover for the frame hingedly supported adjacent one end of the frame for rotation on a hinge axis substantially parallel with said one end of said frame, a bottom cover for the frame hingedly supported adjacent one side of the frame for rotation on a hinge axis substantially parallel to said side of said frame,

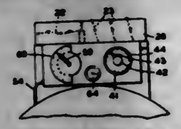
binder rings at the other end of said frame providing clearance between the latter end and said rings, a book of sheets supported in said frame on said rings, said covers each having clearances to permit opening thereof independently without removal of said rings and the clearance between the rings and said other end of said frame permitting the sheets to be rotated on the rings from the top to the bottom of said book of sheets without removal from said rings when the top and bottom covers are in open positions on their hinge supports.

2,573,571

AUTOMATIC TEMPERATURE CONTROL FOR DRIERS

Frederick W. Howland, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application December 5, 1947, Serial No. 789,968
5 Claims. (Cl. 34—45)



1. Drying apparatus of the character described comprising a work container provided with cold air and hot air supply passages, two sets of dampers disposed one set in each passage, each such set being adapted to be controllably moved between damper-open and damper-closed positions, linking means connecting both said sets for operation thereof in unison, said sets being relatively so disposed that as one set opens the other set closes, air flow producing means communicating with said container for causing flow therethrough of air received from both said passages, a reciprocable operating member operatively engaging said linking means for movement thereof as aforesaid, biasing means in constant operative engagement with said linking means whereby to urge said linking means towards hot-air-open position, movable actuating means engageable with said reciprocable operating member whereby, when actuated, to move said operating member towards hot-air-closed position, retaining means for releasably mantaining said actuating means out of operative engagement with said reciprocable operating member, and time controlled means adjacent to and effective upon said retaining means upon expiration of a preset period, for releasing said retaining means whereby to cause said actuating means to engage said reciprocable operating member, and thereby cause said operating member to move towards hot-air-closed position as aforesaid.

2,573,572

RETAINER FOR OSCILLATING MOISTENING ROLL SHAFT

Edward J. Janke, Cleveland, Ohio, assignor to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application June 14, 1949, Serial No. 99,076
6 Claims. (Cl. 287—20)

3. In an apparatus of the character described including a frame member having a recess therein, a roller including a shaft end disposed in said recess to be capable of movement inwardly and outwardly of the recess, a shaft retaining arrangement including a post member having means thereon at one end thereof directly and rigidly securing the same in the bottom wall of said recess, a retaining element mounted for movement along and for rotation about said post member, said retaining element including a shaft engaging part of restricted width to enable such part to pass into the recess and engage the shaft end, and yieldable means effective on said retaining element to urge the same along the post member and its shaft engaging part into the recess in which the post member is secured, the retaining element being of sufficient length relatively to the width of the recess, and the shaft engaging



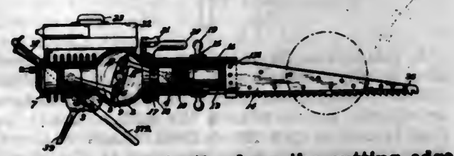
part so related to the width of the recess that when the retaining element is moved longitudinally against the pressure of said yieldable means to withdraw the shaft engaging part out of the recess and is then partially rotated to position its shaft engaging part out of registering alignment with the recess, the shaft engaging part will engage upon the free edge of a marginal portion of the recess, and the retaining element will be held in elevated position to enable movement of the shaft end out of and into the recess.

2,573,573

RECIPROCATING BLADE WOOD SAW

Clarence E. Jenkins, Westmoreland, N. H., assignor to Bocji Corporation, Pittsburgh, Pa., a corporation of Delaware, as trustee

Application May 27, 1946, Serial No. 672,597
21 Claims. (Cl. 143—68)



1. A saw having teeth along the cutting edge thereof, said teeth being separated from each other to provide a space therebetween, each of said teeth having a wedge-shaped web secured to one vertical edge thereof, each web tapering in thickness away from the tooth with which it is associated, the space between adjacent teeth extending inwardly from said edge sufficiently to separate the webs secured thereto from each other.

2,573,574

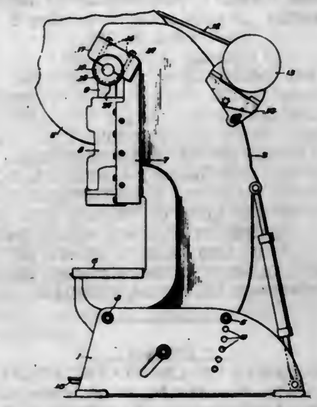
CRANKSHAFT BEARING ASSEMBLY

Einar K. Johansen, Oak Park, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application June 4, 1948, Serial No. 31,123
1 Claim. (Cl. 308—23)

In a metal working press having a vertically reciprocating slide member driven by a crankshaft, a bearing assembly comprising a pair of spaced side members, a head on each of said side members, said head members being positioned to receive a crankshaft therebetween, each of said heads having a semi-circular recess therein and a groove located in said recess, said groove extending substantially parallel to the sides of said head and located substantially midway therebetween, an individual bearing member in each of said recesses adapted to receive the ends of said crankshaft therein, an annular continuous rib centrally disposed circumferentially around

each of said bearings and fitted into said groove, each of said bearings having an annular groove therearound and located adjacent each end of said bearing and spaced substantially equidistant



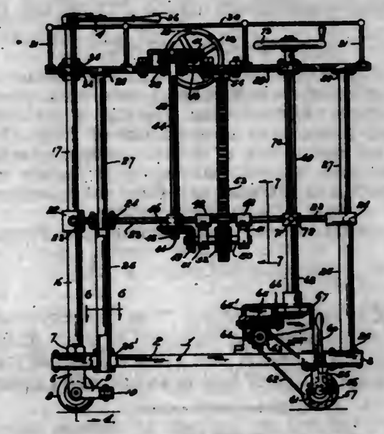
from said rib and a pair of U-bolts each fitted into one of said grooves at the base of said U and anchored to said head at the free ends thereof.

2,573,575

PORTABLE EXTENSIBLE LIFT

George E. Kerosen, Chicago, Ill., assignor, by direct and mesne assignments, of one-half to George N. Carlson, Chicago, Ill., and one-half to George F. Anderson, Cicero, Ill.

Application October 31, 1947, Serial No. 783,256
1 Claim. (Cl. 304—9)



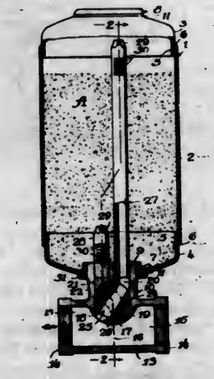
In a portable extensible lift, a base frame having wheels thereon, a platform above said base, guide posts on the base and guide posts on the platform telescoping in the posts on said base frame, a rail connected to the upper ends of the guide posts on the base, a rotary transmission shaft carried by said platform and having a hand wheel connected to said shaft for turning the same, a rack carried by said platform parallel to said transmission shaft, transversely extending straps carried by said rail on opposite sides of said rack and carrying bearings thereon, a pinion shaft journaled in said bearing and carrying a pinion meshing with said rack and a gear on said transmission shaft meshing with a gear on the pinion shaft whereby operation of the transmission shaft moves the platform relative to said base.

2,573,576

CHEMICAL FEEDER

George H. Klumb, Northbrook, Ill., assignor to Culligan Zeolite Company, Northbrook, Ill., a corporation of Delaware

Application September 14, 1948, Serial No. 49,162
3 Claims. (Cl. 210—36)



1. A chemical feeder adapted to be mounted in the main stream of a liquid to be chemically treated, comprising a feeder tank adapted to receive a bed of chemical to be fed and including a cylindrical body having an upper and a lower head each provided with a threaded opening, a detachable cap providing a closure for the upper head permitting access to the interior of the tank and recharging the bed of chemical, and a valve assembly detachably mounted in the lower head and including a valve body having a continuous and direct passage therethrough for the uninterrupted flow of the main stream of the liquid, a wall depending into and providing a constriction in said passage, said wall having a port provided at the pressure side of said constriction for receiving and diverting a portion of the main stream into the feeder tank and in contact with the chemical therein and a second port provided at the other side of and beyond the constriction at a point of reduced pressure for the discharge and return of the diverted and chemically treated portion back to the main stream, a bore in the valve body transverse of the passage and above said depending wall and communicating with said ports, and a valve plug rotatably mounted in the bore and provided with a pair of channels extending transversely therethrough and adapted to be moved into registry with the ports in the constriction when liquid is to be diverted from the main stream to and through the chemical in the feeder tank and back to the main stream, said valve plug being rotatable to adjust and control the effective opening through the ports whereby to control the quantity of liquid to be diverted from the main stream.

2,573,577

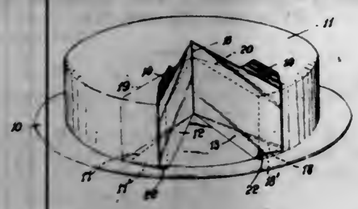
CAKE LIFTER AND PRESERVER

George O. Koponen, Detroit, Mich.

Application August 6, 1947, Serial No. 766,727
2 Claims. (Cl. 294—1)

1. A cake lifter and preserver comprising a pair of vertical plates of sheet material of the same shape and size and each of sufficient area to cover

one of the surfaces exposed in cutting a V-shaped gap in a cake or the like, each of said plates having a segmental foot extending at right angles from said bottom edge, said feet extending from said bottom edges to provide left and right structures, and integral lifting tabs each projecting from and in the plane of a respective plate, said



plates being of generally rectangular form and provided with vertical edges, each plate having an inner vertical edge at the apex of the segmental foot and having an outer edge spaced from and terminating at its lower end above the plane of said foot, each plate having a notch extending from the lower end of its outer edge to the junction between said plate and said foot.

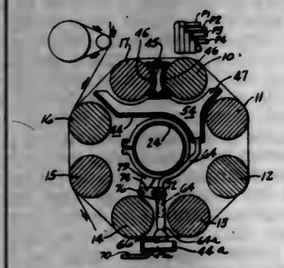
2,573,578

THREAD ADVANCING REEL HAVING SPRAY AND DRAIN DEVICES

Harry Asdour Kuljian, Merion, Pa.

Application May 17, 1950, Serial No. 162,579

6 Claims. (Cl. 68—205)



1. The combination with a filament processing apparatus of the type which includes a filament storing and advancing reel formed of a number of spaced, horizontally disposed rolls arranged in a circle about a central axis, with the axes of the rolls skewed relative to said axis, means for rotating said rolls about their axes whereby a filament wound about one end of said reel will, upon rotation of said rolls, move in the form of a helix circumscribing all of said rolls, from one end of said reel toward the other end thereof, and means for delivering a liquid to said filament during its movement along an upper roll of said reel, of a receiver disposed below said upper roll and inwardly of the peripheries of said rolls for collecting such liquid as may fall off said upper roll, and a conduit leading from said receiver and extending downwardly in registration with the space between adjacent lower rolls of said reel to discharge liquid through said space.

2,573,579

FUEL COMPOSITION

Antoine E. Lacomble, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 9, 1948, Serial No. 59,185

15 Claims. (Cl. 44—69)

4. A fuel composition suitable for use in internal combustion engines, which comprises a hydrocarbon fraction boiling within the gasoline range, from about 0.5 to about 6 cc. of tetraethyl lead per gallon of fuel composition, and an approximately stoichiometric amount, based on the tetra-ethyl lead, of a halogen-carbon compound consisting only of carbon and halogen atoms and having two carbon atoms per molecule and at least two halogen atoms per carbon atom, said halogen atoms having an atomic weight of between 35 and 81, inclusive.

2,573,580

PREPARATION OF AROMATIC SULFONES

Elbert C. Ladd, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application March 23, 1949, Serial No. 83,102

8 Claims. (Cl. 260—607)

1. The method of making a p-chlorophenyl omega-halogenoalkyl sulfone having the formula

$$p\text{—}Cl\text{—}C_6H_4\text{—}SO_2\text{—}\left[CH_2\text{—}CRR'\right]_n\text{—}X$$

where X is halogen selected from the group consisting of chlorine and bromine and n is an integer of from 1 to 5 and R and R' are selected from the group consisting of hydrogen and alkyl which comprises subjecting a mixture of a p-chlorobenzenesulfonyl halide having the formula

$$p\text{—}Cl\text{—}C_6H_4\text{—}SO_2X$$

where X is halogen selected from the group consisting of chlorine and bromine and an aliphatic monoolefinic hydrocarbon having a terminal ethylenic group at a temperature of from 25 to 300° C to the action of a free radical reaction initiator and thereby causing said halide and hydrocarbon to interact and form said p-chlorophenyl omega-halogenoalkyl sulfone.

5. A chemical compound having the formula

$$p\text{—}Cl\text{—}C_6H_4\text{—}SO_2\text{—}\left[CH_2\text{—}CRR'\right]_n\text{—}X$$

where X is halogen selected from the group consisting of chlorine and bromine, n is an integer of from 2 to 5 and R and R' are selected from the class consisting of hydrogen and alkyl groups.

2,573,581

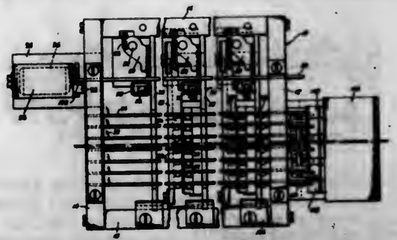
STORAGE UNIT

Clair D. Lake, Binghamton, and Wesley Pfaff and Donald R. Piatt, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application August 12, 1949, Serial No. 110,004

15 Claims. (Cl. 235—61.6)

1. A storage device comprising a plurality of data storage zones each consisting of a plurality of spaced storage elements in substantial alignment with corresponding elements of an adjacent zone, means for initially simultaneously displacing the elements of a given zone into a position from which they may be latched, means thereafter operative to latch selected displaced elements in displaced position, said last named means being thereafter operative to read out latched storage elements by contact therewith in



their latched position, and means including said readout means for impressing a current on a storage element when in readout contact with said readout means.

2,573,582

HAIR CURLER CLIP

Isolina I. Leon, Massapequa, N. Y.

Application June 7, 1948, Serial No. 31,571

1 Claim. (Cl. 132—46)



In a hair clip, a bottom member and a top member, the bottom member having a forked jaw at its front end, and a hump shaped portion at the rear end of the jaw, and a handle extending rearwardly from the hump shaped portion, said top member having a forked jaw at its front end, and a hump shaped portion at the rear of the jaw, and a handle extending rearwardly from said hump shaped portion, the jaws of the two portions overlying one another, the hump shaped portions being nested one within the other, and an elastic band surrounding the jaws of the top and bottom members and disposed forwardly of the nesting hump shaped portions, the handle of the bottom member being inclined upwardly and the handle of the top member being inclined upwardly to a greater degree than the handle of the bottom member, the jaw of the top member having adjacent the hump shaped portion of the top member, a portion humped upwardly away from the jaw of the bottom member, and said elastic band engaging the hump shaped portion of the jaw of the top member.

2,573,583

PLATE TYPE REFRIGERANT EVAPORATOR
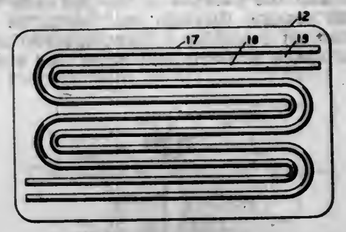
Thomas O. Lester, Downers Grove Township, Du Page County, Ill., assignor to Kold-Hold Manufacturing Co., Lansing, Mich., a corporation of Michigan

Application January 3, 1947, Serial No. 720,128

3 Claims. (Cl. 62—126)

1. A hold-over evaporator comprising a container formed from a pair of spaced apart side walls joined together in fluid tight engagement throughout their perimeters, a pair of elongated rods of serpentine shape between said side walls,

said rods being of similar shape and spaced apart throughout their linear extents, each of said rods having the convolutions thereon spaced from each other, said rods being united with said side walls throughout the linear extents of said



rods and cooperating with said side walls to divide said container into a serpentine refrigerant passageway and a space for a eutectic solution, and means on said evaporator for coupling the ends of said passageway to a refrigerating unit.

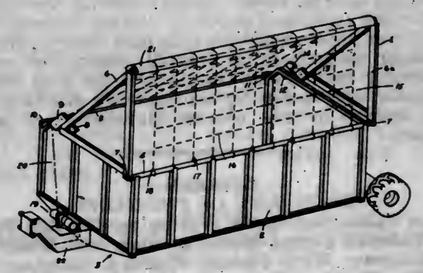
2,573,584

LOAD DISCHARGING UNIT FOR VEHICLES

Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Peoria, Ill., a corporation of California

Application September 24, 1949, Serial No. 117,581

8 Claims. (Cl. 214—82)



1. A load discharging unit comprising side rails installed near the top of an open top body, a frame pivoted to each end of one of said rails, a roller journalled to said frames adapted to be moved with the frames independently of the body from a position near the other rail to a position substantially above said one rail, a net filling the interior of the body and attached to the side rails, said roller in contact with the underside of the net and adapted to raise the net while moving along the underside thereof and thereby discharge a load contained therein.

2,573,585

CONTINUOUS EXTRACTOR

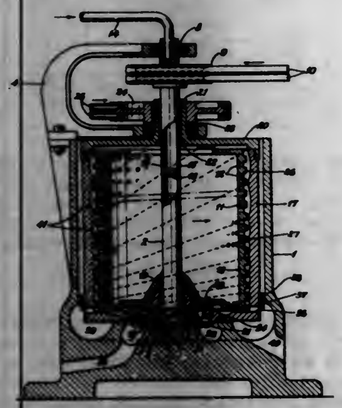
Douglas M. McBean, Rochester, N. Y.

Application April 26, 1946, Serial No. 665,239

10 Claims. (Cl. 100—50)

4. A continuous extractor comprising an inner cylinder rotatable about a vertical axis and having openings in its upper part and having an imperforate portion in its lower part, an outer cylinder surrounding said inner cylinder and rotatable about said vertical axis and having an imperforate portion surrounding said upper and lower parts of said inner cylinder, means for rotating said cylinders in the same direction but at different speeds, means for impacting material

to be treated against said upper part of said inner cylinder thereby to express some of the liquid contained in the material, the extracted liquid remaining in said inner cylinder and collecting in the said imperforate portion of the lower part thereof and the balance of the partially treated material passing through said openings due to the action of centrifugal force thereon into the annular space between said inner and outer cyl-



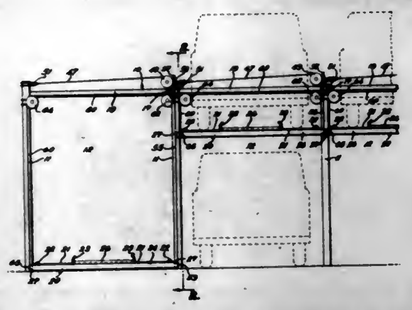
inders, means arranged in said space for compressing said partially treated material, the liquid expressed from said partially treated material by such compression flowing into said inner cylinder through said openings therein, means for continuously discharging the liquid from said inner cylinder, and means for continuously discharging the residue of said treated material from said space.

2,572,586
RECOVERY OF PROCAINE
John Talbot McCombie, Walton-on-the-Hill, Paul Frederick Ernest Mann, Leodon, and Anthony Musgrave Wild, Cheam, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application June 15, 1950, Serial No. 168,376. In Great Britain July 1, 1949
6 Claims. (Cl. 260—472)

1. A process for the recovery of procaine which comprises contacting an aqueous solution of procaine at a pH less than about 8 with activated carbon, separating the aqueous solution, washing the activated carbon with an aqueous dilute acid of normality not greater than about 2 and thereafter adjusting the pH of the carbon treated aqueous solution and the carbon washings to a value greater than 8 and recovering the precipitated procaine base.

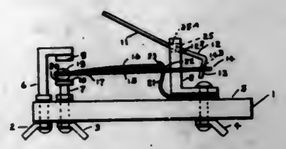
2,572,587
VEHICLE PARKING SYSTEM
John T. McGraw, Los Angeles, Calif., assignor, by mesne assignments, to Edward D. Fryer, Beverly Hills, Calif.
Application July 17, 1947, Serial No. 761,586
6 Claims. (Cl. 214—16.1)

1. An automobile parking system comprising a skeleton framework defining a pair of adjacent stalls each adapted to contain automobiles in low and raised positions, an elevator in each stall for receiving and elevating an automobile to raised position, means for raising the elevators to levels permitting entry of automobiles beneath them, and means responsive to movement of an automobile into one of said stalls beneath



the corresponding elevator to prevent lowering of that elevator into engagement with the automobile.

2,572,588
ELECTRIC SNAP SWITCH
Edwin August Miller, Fairfield, Conn.
Application January 21, 1948, Serial No. 3,525
1 Claim. (Cl. 200—67)

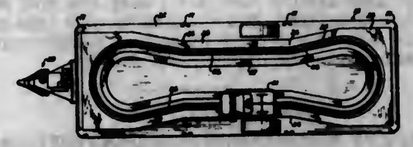


A switch blade device having a base and comprising a tension member; upper and lower contacts with which the free extremity of said member is provided for movement between relatively spaced stops; a rigid upright support rigidly mounted upon said base; an upright cantilever spring mounted upon said base and having a notched-like free end adjacent said upright support; a compression member carried by the said free extremity of said tension member, said compression member having a free extremity pivotally carried by said notched-like extremity of said cantilever spring for relatively passing the free extremity of said compression member past said tension member; a rocking actuator having a limited sliding movement within an opening provided by said upright support, said actuator having a rear extremity pivotally carrying the rear extremity of said tension member; said normally located pivot-point at the free extremities of said compression member and said cantilever spring being adapted to shift along a divagating arc upon the sliding pivotal movement of said actuator within said support opening and thus adapted to provide a quick snap-action of said blade for a given degree of actuation.

2,572,589
AMUSEMENT RIDE DEVICE
Erasmo Mosca and Joseph F. Mosca, Chicago, Ill.
Application July 22, 1949, Serial No. 106,238
2 Claims. (Cl. 104—172)

1. A movable amusement ride device comprising a floor mounted on wheels, said floor having a closed trackway, a passenger carrying vehicle adapted to travel along said trackway, a propellor chain adapted to travel substantially the course of said trackway, a motor for driving said

chain, said vehicle having front and rear pairs of wheels with each pair of wheels adapted to swivel about a vertical axis, and a member depending from each of said pairs of wheels coaxially with said vertical axis, complemental



members carried on said chain and engageable in keyed relationship with said depending members so that as said propellor chain is caused to travel said vehicle will be propelled and steered over said trackway with each of said pairs of wheels being independently swivelable.

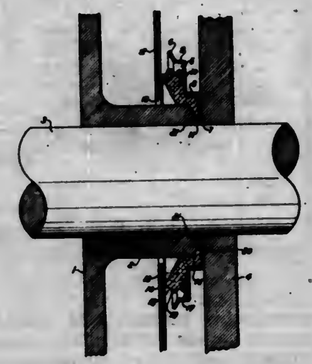
2,573,590
SCREEN EQUIPMENT FOR WINDOWS
Carl H. Meecbach, Honey Brook, Pa.
Application November 24, 1945, Serial No. 630,580
2 Claims. (Cl. 160—27)



2. A roller screen for a window connectable to a sliding sash of the window and adapted to be unrolled by upward sliding of said sash comprising a strip of flexible screening, devices at one end of said strip attaching the same to said sash and detachable from said sash to free said strip from the sash, means for rolling up said strip under spring tension when freed, and means to limit such rolling up of said strip comprising a pair of fixed plates below said sash spaced apart with confronting edges and a pair of guide rollers rotatably mounted on said edges and frictionally engaging opposite sides of said strip, said rollers engaging said devices when detached to stop rolling up of the strip.

2,573,591
OIL SEAL
Thomas Edward Nelson, Pontiac, Mich.
Application June 28, 1946, Serial No. 680,177
1 Claim. (Cl. 286—11)

An oil seal for positioning on a rotary shaft projecting through the cover of a gear case, a drive member secured on the shaft with its hub loosely projecting through said cover, a cup-like centrally apertured annular retainer secured upon said shaft, said retainer having a central hub bearing against said first hub, an outwardly extending radial plate joined to said central hub terminating in an axial outwardly projected flange, the latter terminating in a second outwardly extending radial plate having a second outwardly projected axial flange, an annular sealing element with its peripheral inner portion



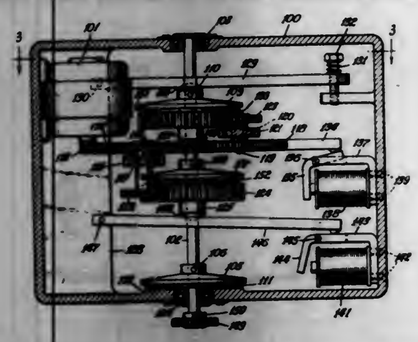
wedged between said first hub and said first radial plate, and having an outer peripheral wedge shaped portion projecting axially towards and bearing against the inner surface of said cover, a garter spring within said retainer bearing against the outer peripheral portion of said sealing element urging the same into contact with said cover, and a second member fixed on said shaft compressively engaging said first radial plate.

2,573,592
ARTIFICIAL BAIT CASTING OR TROLLING FISHING LURE
Sage Nickel, Atlantic Beach, Fla., assignor, by direct and mesne assignments, to Nickel Tackle Company, Jacksonville, Fla., a corporation of Florida
Application February 26, 1949, Serial No. 78,485
5 Claims. (Cl. 43—42.09)



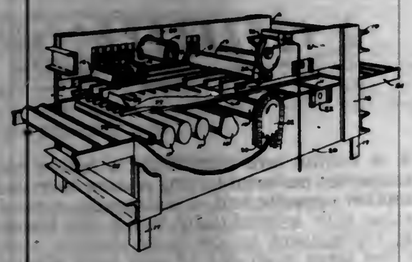
5. A fishing lure comprising a hollow body of transparent material having a large open end and a smaller opposite end, a replaceable conical animation tube substantially lining the interior of said transparent hollow body portion, a closure for the large open end of said body portion, an axially disposed rod having its opposite ends threaded, a sleeve threadedly engaging each end of said rod, the sleeve on one end of said rod being anchored relative to said body, a collar slidably receiving said rod and being disposed between said body and the sleeve on the other end of the rod, said hollow body being liquid tight so that by the use of varying amounts of water therein the buoyancy of the lure may be varied.

2,573,593
SERVOMOTOR
Carl L. Norden, Zurich, Switzerland, and Theodore H. Barth, New York, N. Y., assignors, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application January 31, 1947, Serial No. 725,604
12 Claims. (Cl. 192—4)



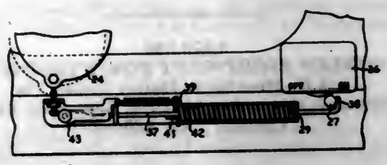
1. A servomotor including in combination a prime mover, a pair of friction clutches each having driving and driven elements, means for rotating the driving elements in opposite directions from the prime mover, an output shaft, means for mounting the output shaft for axial movement, a friction brake secured to the output shaft for normally immobilizing the same, biasing means for moving the shaft axially to braking position, means operatively connecting the output shaft with the driven clutch elements, means for selectively engaging one of the driven and driving clutch elements and for simultaneously moving the output shaft axially against the action of said biasing means through the clutch-engaging force whereby the brake is released during said engagement.

2,573,594
SOLDERING MACHINE
Earl E. Nofsinger, Greenville, Mich., assignor to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application August 21, 1947, Serial No. 769,895
3 Claims. (Cl. 113—59)



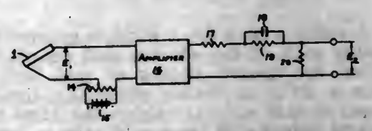
2. A soldering machine for soldering two parts together which comprises a roll support, upper and lower spaced apart sets of parallel rolls on said support, said sets of rolls forming a passageway between them having an inlet end and an exit end, one roll adjacent the inlet end being movable and biased toward the opposite set of rolls, a gas burner on said support adjacent said one roll, means including a gas regulating valve for supplying gas to the burner in regulatable quantities, and means connected to said valve for actuating the latter to vary the flow of gas during the predetermined rotation of said one roll, said means including a cam and cam follower and driving means on said one roll normally spaced from but engageable with said cam when said one roll is moved a predetermined distance from the opposite set of rolls.

2,573,595
SAFETY MECHANISM FOR CENTRIFUGAL DRIERS
Gunnard A. Oberg, Celoron, N. Y., assignor to Blackstone Corporation, Jamestown, N. Y., a corporation of New York
Application January 15, 1949, Serial No. 71,095
5 Claims. (Cl. 200—52)



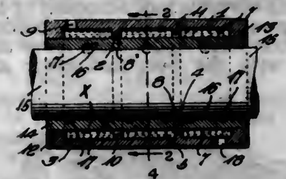
1. In a device having a rotatable receptacle mounted on a resilient suspension and including electrically operated means for rotating said receptacle; a shut-off mechanism comprising a switch in the circuit of said means, a contact member mounted for movement into either of two positions and in one of said positions being in close proximity with a part carried by said suspension, and spring actuable means connecting said member with said switch, said member being moved into the other of said positions by contact of said part therewith to render said spring means operable to actuate said switch to open the circuit of said electrically operated means.

2,573,596
TEMPERATURE RESPONSIVE SYSTEM
Franklin F. Offner, Chicago, Ill.
Application March 8, 1948, Serial No. 13,546
2 Claims. (Cl. 73—359)



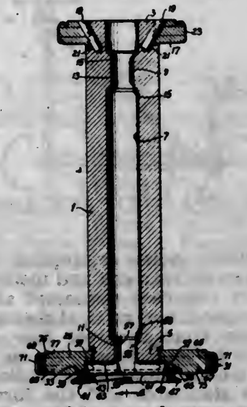
1. In a system incorporating a temperature sensitive element responding exponentially with time such as a thermocouple, resistor and the like, and which element exhibits a thermal lag reflected by a corresponding lag in a voltage output derived therefrom, a compensating circuit for reducing said lag, said circuit comprising a condenser and resistance combination in parallel and a second resistance in series with said combination and which with the latter is shunted across said output, the final output being taken across said second resistance, and said circuit exhibiting an exponential response to a suddenly applied voltage, the time constant of such response being so matched to the time constant of said temperature sensitive element as to render the effective time constant of the combination of said element and circuit shorter than the time constant of said element.

2,573,597
BEARING LUBRICATION
Carter N. Paden, Chattanooga, Tenn.
Application January 28, 1948, Serial No. 4,837
11 Claims. (Cl. 308—76)



1. A bearing unit comprising, in combination, an outer housing, an inner bearing retained in the outer housing in spaced relation therewith, means for supporting the inner bearing, the said means defining tortuous oil passages around the inner bearing, means for introducing lubricating oil into the oil passages through the outer housing, means enabling continuous circulation of lubricating oil through the passage from one end of the outer housing to an opposite end, the passages producing a plurality of reversals in direction of circulation of the lubricating oil from top to bottom of the passages as the oil continuously circulates longitudinally through the bearing unit, thereby cooling the inner bearing longitudinally therealong, and capillary feeding means mounted in the inner bearing and contacting the lubricating oil in the diametrically opposite portions of the passages, the feeding means engaging with wiping contacts a shaft operated in the inner bearing member.

2,573,598
SPOOL
Ray Potter Perry, Ladue, Edwin Albert Dickmann, St. Louis, and Loren Farquhar Bridge, Kirkwood, Mo., assignors to Bemis Bro. Bag Co., St. Louis, Mo., a corporation
Application January 3, 1950, Serial No. 136,553
8 Claims. (Cl. 242—125)



1. A spool comprising a tubular wooden barrel having a wooden head at one end, and a tail retainer formed of elastomeric material having a yarn-receiving barrel, a web across one end of the tail retainer barrel and a yarn-retaining head at its other end, said tail retainer being mounted with its web bearing against said end of the spool coaxial with the spool barrel and being held in place by a metal drive bushing comprising a tube fixed in the end of the spool barrel and extending through an opening in the web and having a flange within the tail retainer barrel bearing against the web.

2,573,599
METHOD FOR REDUCING FIRE HAZARD IN SMALL BOATS
Horace J. Price, Silver Spring, Md.
No Drawing. Application October 21, 1949, Serial No. 122,851
2 Claims. (Cl. 252—312)

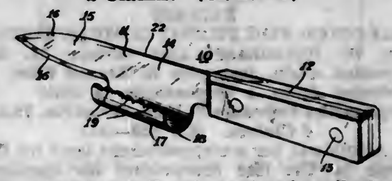
1. The method of reducing the fire hazard in boats resulting from the accumulation of gasoline and other inflammable light hydrocarbons in the bilge water of said boats which comprises the steps of; adding to the bilge water in a boat a concentrated emulsion consisting of from 20 to 30% saturated and unsaturated free fatty acids having from eight to twenty-two carbon atoms, 1.5 to 3.0% alkali metal caustic, 0.5 to 1.0% of a non-inflammable alcohol selected from the group consisting of n-butyl, isobutyl, n-propyl, isopropyl, sec-butyl, tertiary butyl and amyl alcohols and propylene glycol, 50 to 60% of a high boiling hydrocarbon having a flash point above 105° F. selected from the group consisting of Stoddard Solvent and kerosene, and 5 to 30% water; mixing said emulsion with said bilge water to disperse the oil phase of said emulsion homogeneously throughout the bilge water; and dissolving said gasoline and other inflammable light hydrocarbon components of the mixture thereof with said bilge water.

2,573,600
STRAIN RELIEF BUSHING
Leslie L. Pruehs, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 17, 1948, Serial No. 65,935
2 Claims. (Cl. 174—153)



1. A strain relief bushing comprising a body of flexible resilient material, said body having two passages therein, said passages terminating internally of said body and intersecting at substantially a right angle internally of said body, said body having a slit therein extending from the exterior surface thereof and intersecting said passages longitudinally along a line substantially off center of said passages whereby said body may be spread apart at said slit for receiving a cord within said passages.

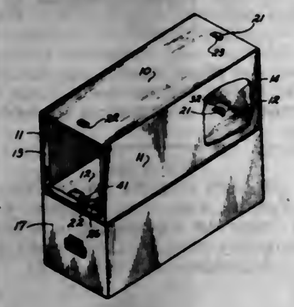
2,573,601
FISHERMAN'S KNIFE
Frank F. Rathmell, Wynnewood, Pa.
Application June 11, 1949, Serial No. 98,455
2 Claims. (Cl. 17—7)



1. In a device of the character described, a flat blade forming one leg of a U-shaped structure,

an extension at one edge of said blade and forming the bend of the U-shaped structure which bend is of approximately 180 degrees extent, and a terminal portion on the extension and forming the other leg of the U-shaped structure, said terminal portion lying in a plane parallel to the plane of the blade and having its free edge serrated, the leg of the U-shaped structure formed by the terminal portion being materially shorter than the leg formed by the blade, whereby, when the device is moved with said serrated edge positioned in scale-removing relation to a fish with the blade disposed above and forwardly of the serrated extension, said blade will catch and retain the removed scales.

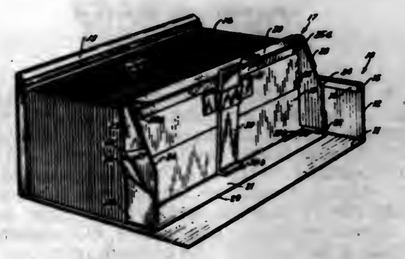
2,573,602
INTERLOCKING FILING CASE
Hans W. Regenhardt, Cleveland, Ohio, assignor to Record Files, Inc., Wooster, Ohio, a corporation of Ohio
Application October 15, 1946, Serial No. 703,293
13 Claims. (Cl. 312—111)



1. A pair of filing units or the like adapted to be locked together in superposed relationship, the top wall of the lower unit and the bottom wall of the upper unit having interengaging parts near one end thereof adapted to prevent that end of the upper unit from being lifted from the lower unit and to prevent the upper unit from being moved in one direction with respect to the lower unit, and said units having interengaging parts adjacent the other end thereof, one of said parts carried by the top wall of the lower unit having open sides and having a portion thereof spaced above the plane of said top wall and overlying the other of said parts carried by the bottom wall of the upper unit, said parts being engageable by lateral movement of the adjacent portion of one unit with respect to the other, said other of said parts occupying the space between said one part and the plane of said top wall whereby to prevent the adjacent end of the upper unit from being lifted from the lower unit and to prevent the upper unit from being moved in the opposite direction with respect to the lower unit.

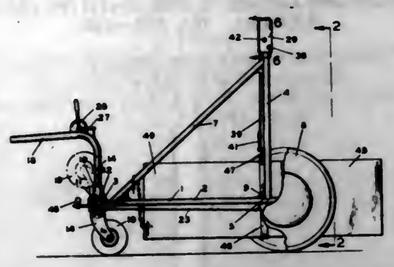
2,573,603
FOLLOWER FOR FILING COMPARTMENTS
Hans W. Regenhardt and George M. Beno, Wooster, Ohio, assignors to Record Files, Inc., Wooster, Ohio, a corporation of Ohio
Application February 9, 1949, Serial No. 75,472
4 Claims. (Cl. 129—31)

1. A follower for a compartment used for filing, storage or the like comprising an upstanding sheet metal web having a beaded top portion; a transversely extending sheet metal strap fastened to the web, said strap having a reversely-bent portion underlying and conforming in shape to the beaded top portion of the web; a metal retainer mounted on said strap; a longitudinally movable metal lever carried by said retainer, said lever being movable independently of the follower and adapted to bear against the beaded top portion of the web; upper and lower side flanges integral with the web, said lower side flanges



having locking means associated therewith; a sheet-metal reinforcement connecting the upper and lower side flanges at each end of the web, said reinforcement extending from a point short of the bottom of the lower flange to a point short of the top of the upper flange; and, cooperating to lock the lower side flanges in fixed position, a bottom flange integral with and projecting from the web in such manner as to define an angle of a magnitude greater than 90°.

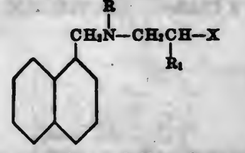
2,573,604
PORTABLE HOIST
James C. Richardson and David W. Soderberg, Olympia, Wash.
Application May 6, 1949, Serial No. 91,852
3 Claims. (Cl. 254—139.1)



1. A portable hoist comprising a U-shaped frame open at its rear end and including parallel spaced apart side bars connected at their front ends by a channel bar, vertical standards extending upwardly from the rear free ends of the side bars, a housing supported on the vertical standards, inclined braces connecting the upper ends of the standards and the forward end of the side bars, wheels mounted on the rear free ends of the spaced apart parallel side bars, stub shafts extending from the ends of the channel bar, front wheels mounted on the stub shafts, means for holding the front wheels in raised or lowered position, hoisting mechanism in the housing, including a drum and a cable, a U-shaped support to hold a container between the spaced apart side bars, a bar at the end of the cable, and hooks at the ends of the bar to engage the free ends of the U-shaped support.

2,573,605
TERTIARY AMINES AND METHODS FOR OBTAINING THE SAME
George Rieveschl, Jr., Grosse Pointe Woods, and William R. Coleman, Grosse Pointe, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 2, 1946, Serial No. 713,461
7 Claims. (Cl. 260—570.9)

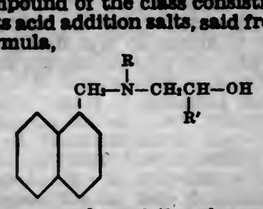
1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of lower alkyl and lower alkenyl radicals, R_1 is a member of the class consisting of hydrogen and methyl and X is a member of the class consisting chlorine and bromine.

2,573,606
LOWER ALKYL AND ALKENYL N-(1-NAPHTHYL METHYL) N-HYDROXYETHYL AMINES
George Rieveschl, Jr., Grosse Pointe Woods, and William R. Coleman, Grosse Pointe, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 2, 1946, Serial No. 713,462
7 Claims. (Cl. 260—570.9)

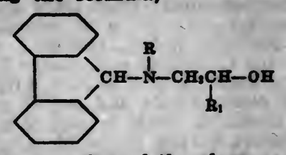
1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of lower alkyl and lower alkenyl radicals and R′ is a member of the class consisting of hydrogen and methyl.

2,573,607
HYDROXYALKYL FLUORENYL AMINES
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 11, 1949, Serial No. 86,869
8 Claims. (Cl. 260—576)

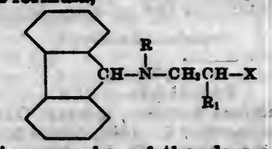
1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of lower alkyl and allyl radicals and R_1 is a member of the class consisting of hydrogen and methyl.

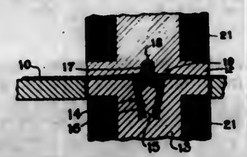
2,573,608
N-FLUORENYL N-ALKYL β-HALOALKYL AMINES
George Rieveschl, Jr., Grosse Pointe Woods, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 11, 1949, Serial No. 86,870
11 Claims. (Cl. 260—576)

1. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



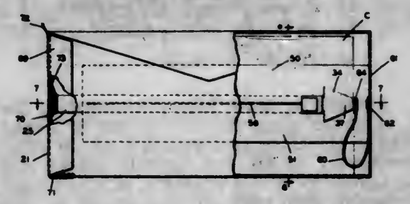
where R is a member of the class consisting of lower alkyl and allyl radicals, R_1 is a member of the class consisting of hydrogen and methyl and X is a member of the class consisting of chlorine and bromine.

2,573,609
METHOD OF MAKING INFLATABLE ARTICLES
Eli A. Robinson, Amsterdam, N. Y.
Application December 14, 1946, Serial No. 716,305
10 Claims. (Cl. 154—35)



1. A method of making an inflatable valved article comprising forming a thin layer of uncured vulcanizable material, inserting a plug of uncured vulcanizable material within a mold, applying the mold against the layer of material, applying a backing-up means upon the other side of the layer in alignment with the mold, pressing the mold and the backing up means together, heating the mold to obtain plastic merging of the layer and plug and to shape and at least partially cure the molded structure and to at least partially cure the layer under the mold around the structure, forming an enclosed envelope including the layer and its partially cured structure, and then curing the entire envelope.

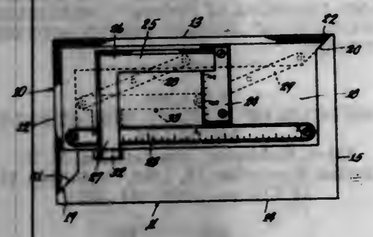
2,573,610
ENVELOPE
Joseph A. Russo, Pittsburgh, Pa.
Application October 14, 1949, Serial No. 121,289
5 Claims. (Cl. 229—35)



1. In combination with an envelope having front and rear flaps and a detachable end flap,

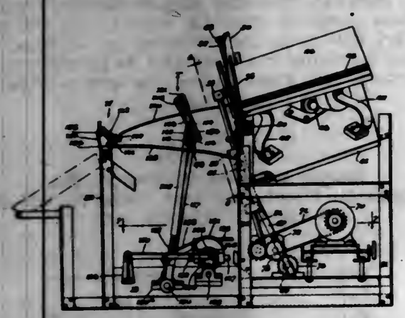
an extractor longitudinally movable in said envelope and including substantially parallel arms connected to form a continuous loop, said arms being positioned wholly within the envelope and substantially coextensive in length therewith and arranged to receive the contents of the envelope between them, means slidably connecting the arms of the extractor to the front and rear flaps, and means for severing the detachable end flap from the envelope so as to expose the arms of the extractor in order that the same may be manually engaged and pulled outwardly to withdraw the contents of the envelope therefrom.

2,573,611
PARALLEL RULE
Guillermo Sanchez, Warren, Ohio
Application January 11, 1951, Serial No. 205,499
6 Claims. (Cl. 33—108)



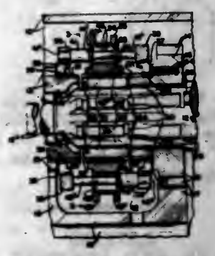
1. An indicating parallel rule, comprising: a pair of rule members, each having at least one straight edge; scale means carried by one of said rule members; indicator means carried by the other of said rule members for cooperation with said scale means; and link means pivotally carried by one of said rule members and pivotally connected to the other of said rule members and also pivotally connected to said indicator means.

2,573,612
FORM BINDING MACHINE
Ilya Scheinker, New York, N. Y.
Application January 24, 1950, Serial No. 140,277
45 Claims. (Cl. 11—1)



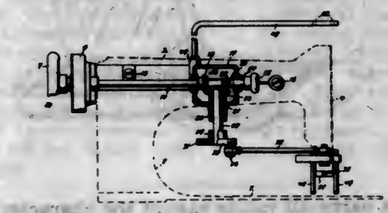
11. A vibrating table, means cooperating therewith to cause alignment of sheets of paper or the like on the table, and means to apply adhesive automatically to an edge of the sheets and to cause adhesion at the moment of alignment, in combination with take-off mechanism for taking the adhering sheets from the adhesive-applying means and presenting them to wiping mechanism, wiping means rubbing over the adhering edges of said sheets while they are held by said take-off mechanism; and means to operate said wiping mechanism and said take-off mechanism in coordination.

2,573,613
SYNCHRONIZING POWER TRANSMITTING MECHANISM
Helmuth A. Schultze, Syracuse, N. Y., assignor to New Process Gear Corporation, Syracuse, N. Y., a corporation of Delaware
Application September 27, 1947, Serial No. 776,450
5 Claims. (Cl. 192—53)



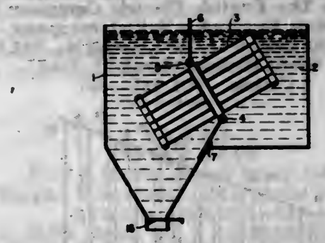
1. A synchronizing power transmitting mechanism comprising, in combination, two positive clutch elements coaxially supported for relative rotation with a fixed minimum axial spacing, an axially shiftable positive clutch element coaxial with said first two positive clutch elements and supported for relative rotation with respect thereto in a neutral declutched position therebetween and for opposite axial clutching shifts to clutch it selectively to either of said first two positive clutch elements, two conical friction clutch rings each connected to a different one of said first two positive clutch elements to rotate constantly as a unit therewith, two spaced conical friction clutch rings each complementary to and supported by a different one of said first two friction clutch rings, a plurality of rigid spacer fingers carried by each of said spaced complementary rings in staggered relationship to the fingers of and projecting toward the other of said rings, each of said fingers being secured to one only of said spaced complementary rings and having its free end adapted to abut the body of the other ring to determine the minimum axial spacing between said rings, said spaced complementary rings being free for limited relative axial movement beyond such minimum spacing, said shiftable positive clutch element having axial passage larger than said spacer fingers and through which said fingers project, the walls of said passages cooperating with said fingers to provide independent lost-motion rotary driving connections between said shiftable clutch element and each of said spaced complementary rings, whereby said complementary rings have independent limited relative rotation with respect to said shiftable positive clutch element, and rigid blocker means carried by said spacer fingers and rotative therewith relative to said shiftable positive clutch element into and out of position to block the clutching shifts of said element, each of said blocker means in its blocking position being engageable by said shiftable positive clutch element for thrusting the associated complementary friction clutch ring into tight pressure engagement with its mating friction clutch ring.

2,573,614
CROSS THREAD LAYING APPARATUS
Leo Schwartz, New York, and Martin S. Manssen, White Plains, N. Y., assignors to Automatic Sewing Equipment Co., Inc., New York, N. Y., a corporation of New York
Application October 30, 1946, Serial No. 706,552
4 Claims. (Cl. 112—100)



1. In a cross thread laying machine having a bed, an overhanging arm thereon, a head at the free end of said arm, a needle, a needle bar carrying said needle, said needle bar being mounted in said head and means for reciprocating the same to form stitches in fabric, a thread guide in front of said needle and adjacent thereto, a presser-foot bar mounted in said head rearwardly of said needle, the improvement which comprises an angular connector pivoted on said presser bar for horizontal movement, said guide being secured to said connector, a rearward extension on said connector, a link pivoted at one end to said extension and at the other end to a second extension, a collar on which said second extension is mounted, a counterweight on said collar opposite to said second extension, a box having gearing connected to said collar, and driving means for horizontally rotating said second extension to cause oscillation of said connector about said presser bar as a center and a clutch mounted on said box for coupling the gearing therein to said driving means to rotate said second extension.

2,573,615
SETTLING TANK
Jean Charles Séailles, Paris, France
Application May 23, 1946, Serial No. 672,846
In France May 11, 1945
2 Claims. (Cl. 210—57)



1. Settling apparatus for separating suspended solid material from the liquid medium in a turbid mixture, the apparatus comprising a tank for holding the turbid mixture, an outlet for settled material, a series of spaced approximately parallel settling plates disposed in normally inclined manner within the tank and below the top thereof, closing means extending between the lateral edges of the settling plates and closing the spaces between the plates at the side edges thereof, a shutter plate extending from the lowest one of the said plates and a second shutter plate extending upwardly from the uppermost ones of the said plates, the shutter plates serving as baffles to direct the flow of the said mixture through the said spaces defined between the settling plates.

2,573,616
METHODS OF EXTRACTING MAGNESIA FROM AQUEOUS SOLUTION CONTAINING MAGNESIUM SALTS DECOMPOSABLE BY LIME AND ALKALIES
Jean Charles Séailles, Paris, France
No Drawing. Application August 5, 1947, Serial No. 766,471. In France December 3, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires December 3, 1959
5 Claims. (Cl. 23—201)

1. A process of producing precipitates of hydrated magnesia from solutions containing magnesium salts decomposable by a reagent selected from the group consisting of lime and alkalies which comprises reacting said reagent with said solution, to form a magnesium hydroxide precipitate, maintaining a film of oil over the surface of the solution to protect the latter from carbon dioxide, introducing said precipitate into a further body of said solution and reacting a further amount of said reagent with said solution and so on in a plurality of sequential steps, maintaining substantial agitation in each of said bodies of solution, whereby to obtain a final magnesia precipitate of a character which is easily settlable, easy to wash and to filter.

2,573,617
TELEPHONE DIAL LAMP
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application January 20, 1945, Serial No. 573,735. Divided and this application July 12, 1949, Serial No. 104,179
4 Claims. (Cl. 179—81)

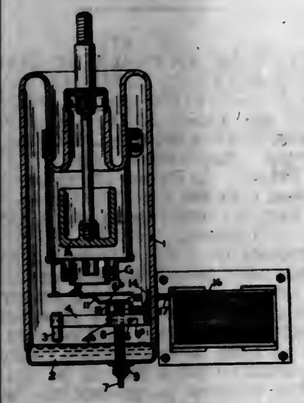


1. A telephone dial having a finger wheel and a spring for returning the finger wheel to normal, a lamp mounted on the finger wheel for rotation therewith, means mounted on the finger wheel for rotation therewith for reflecting light from said lamp when lighted onto the dial figures of said dial, means for insulating the spring from the dial, and means including a circuit connection from the dial structure through the filament of the lamp and said insulated spring for lighting said lamp.

2,573,618
ELECTRIC DISCHARGE DEVICE
David Lorimer Smart, Stafford, England, assignor to The English Electric Company Limited, London, England, a British company
Application October 20, 1949, Serial No. 122,461
In Great Britain October 25, 1948
8 Claims. (Cl. 313—170)

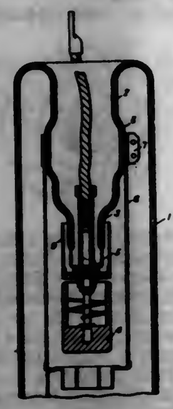
1. An electric discharge device including at least an anode, a pool cathode and an excitation elec-

trode normally in contact with the material of said cathode but arranged for movement away from said material under the influence of a magnetic field extending through a wall of the device,



said electrode being mounted on a pivot formed of relatively movable elements having sufficient play to permit one element to roll upon the other in the operation of the excitation electrode.

2,573,619
ELECTRIC DISCHARGE DEVICE
David Lorimer Smart, Stafford, England, assignor to The English Electric Company Limited, London, England, a British company
Application October 20, 1948, Serial No. 122,462
In Great Britain October 27, 1948
10 Claims. (Cl. 313—163)



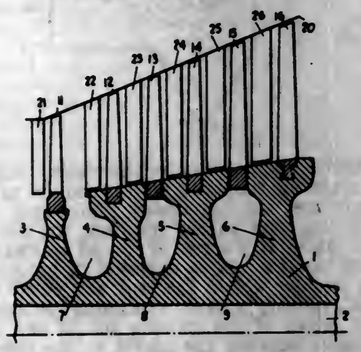
1. In a pool cathode electric discharge device including an envelope mainly of vitreous material, a tubular integral re-entrant portion on said envelope, an anode sealed through said re-entrant portion and a tube surrounding said anode supported directly on and forming with said re-entrant portion a seal impervious to liquid cathode material, the outer surface of said tube extending from said re-entrant portion always towards the cathode so as to prevent the collection thereon of any appreciable quantity of liquid cathode material.

2,573,620
CARRY-ALL VANITY CASE
Milton M. Spitalny, Hillside, N. J.
Application March 28, 1950, Serial No. 152,395
2 Claims. (Cl. 132—79)



1. A carry-all vanity case of the character described, comprising an elongated case, a partition in said case to divide the case into a face powder receiving compartment on one side of the partition and a cigarette receiving compartment on the other side of the partition, a first spring-urged hinge mounted on said case adjacent the powder compartment and disposed on a line parallel to the longitudinal medial line of said elongated case, a second spring-urged hinge mounted on said case adjacent the cigarette compartment and parallel to said first hinge, a cover for the powder compartment mounted on the first mentioned hinge, a cover for the cigarette compartment mounted on the second mentioned hinge, said covers being normally urged into open position relative to said compartments by their respective spring-urged hinges, and a locking member which holds such covers in closed position relative to said compartments against the action of their said spring-urged hinges, said locking member comprising a band which is slidably mounted on the case for movement into overlying position relative to said covers in order to hold them captive in closed position, said band being very narrow relative to the longest dimension of the elongated case whereby only a very minor portion of the case is covered by said band which thus presents an ornamental appearance.

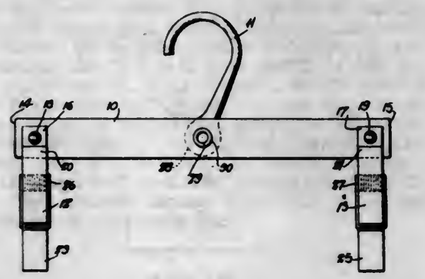
2,573,621
ELASTIC FLUID TURBINE
Ernest George Sterland, Cambridge, England, assignor to The English Electric Company Limited, London, England, a British company
Application March 10, 1947, Serial No. 733,663
In Great Britain March 21, 1946
2 Claims. (Cl. 253—39)



1. An elastic fluid turbine comprising a casing, stator blades arranged in said casing, a rotor

consisting of a central body and discs integral with the said central body, said discs being circumferentially grooved on opposing sides near the circumference thereof, rows of rotor blades having roots profiled to match the said circumferentially grooved discs secured between such adjacent discs and a row of rotor blades arranged on each of the said discs, alternating with the said rows of rotor blades between adjacent discs, the rotor blades on the individual discs being arranged substantially on the centre planes of discs engaged by rotor blades inserted in the profiles between adjacent discs on both sides, and off-set from the centre planes of discs engaged on one side only by rotor blades inserted into the said circumferential grooves of adjacent discs, the off-set being away from the said inserted blades.

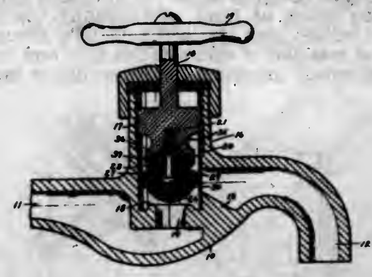
2,573,622
GARMENT HANGER OF THE FOLDING TYPE
Charles F. Steneburner, Ravenswood, W. Va.
Application February 9, 1948, Serial No. 7,136
1 Claim. (Cl. 223—96)



In a garment hanger, an elongated rectangular flat bar, a pair of clips arranged on opposite ends of said bar and each having an inner arm pivotally connected to said bar, said clips each further including an outer arm of shorter length than said inner arm, said arms defining jaws for gripping a garment therebetween, a spring member for urging said jaws toward each other, a hook provided with an eye, a tubular rivet having reamed-over ends projecting through said eye and through said bar, said rivet including an inner tubular member and an outer tubular member, said hook being attached to said bar intermediate the ends thereof by said rivet, said rivet maintaining said hook in frictional engagement with said bar.

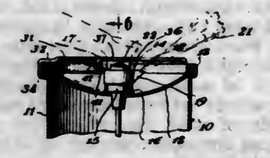
2,573,623
VALVE HEAD
Fred J. Stover, Rocky River, Ohio
Application December 7, 1945, Serial No. 633,247
3 Claims. (Cl. 251—46)

1. A valve head for a compression valve of the type including a valve seat, a valve stem axially movable toward and from said seat by rotation of said stem, and a valve head affixed to said stem, said valve head comprising sealing means adapted to contact said seat, and resiliently yieldable backing means interposed between said sealing means and said stem, said sealing means consisting of a cup shaped washer convex towards said seat and washer supporting means consisting of a disk member secured to the base of said washer, said backing means and said disk member having centrally disposed aligned apertures to receive the shank of an attaching screw passing therethrough and seatable in the end of said valve stem, the aperture in said disk being oversize with respect to said shank to permit rotation of said washer and its supporting disk on said screw shank, the



surface of said disk adjacent said resilient backing means being of frusto-conical contour, converging towards said backing means whereby pressure between said washer and said backing means, imbeds said frusto-conical surface in said backing means.

2,573,624
CAP FOR AEROSOL BOMB
Robert W. Svendsen, Maywood, Ill.
Application July 13, 1950, Serial No. 173,653
7 Claims. (Cl. 299—95)

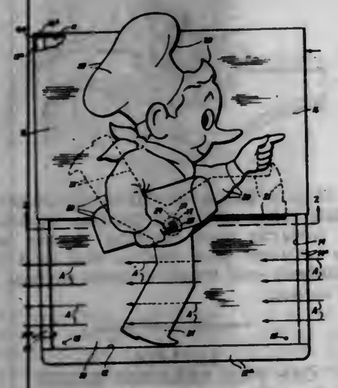


4. In combination with an aerosol bomb of the character described and having a lip on one end thereof, a valve housing in the end and substantially below the lip, a nozzle on the valve housing having a spray jet and a valve button on the top of the housing, a cap of deformable material frictionally engaged over said lip and adapted to rotate on said end by manual twisting, an opening in the cap adapted to be aligned with the nozzle so that when the center of the cap is pressed and deformed it will engage the button and release spray through the jet and out of the opening of the cap and means on the underside of said cap preventing the center of the cap from being pressed against the button unless the opening is aligned with said jet.

2,573,625
ADVERTISING DEVICE
Ira E. Swart, Syracuse, N. Y.
Application April 29, 1947, Serial No. 744,621
4 Claims. (Cl. 40—39)

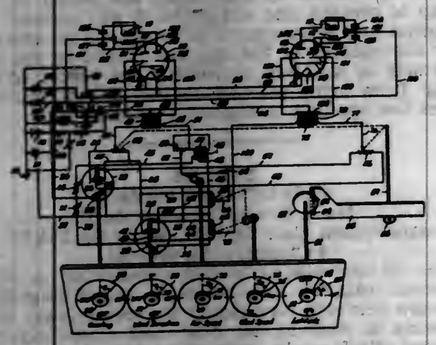
1. An advertising device comprising, a wind current rotative sign having a set of impelling blades drivingly connected therewith, said sign having a perimetrical edge and oppositely directed display and back faces bounded by said edge, said blades being located at the back face of said sign with the several blades substantially radially arranged about an axis of rotation pass-

ing centrally through said sign faces and with all of said blades similarly angularly disposed widthwise of each blade to the back face of said sign and entirely covered at one face of the set of blades by said sign, a tray-like housing within the interior of which said sign is mounted for continuous rotation about the aforesaid axis, said housing being at least substantially completely closed behind and also perimetrically around the field of rotation of said rotative sign and its connected set of impelling blades to direct facewise



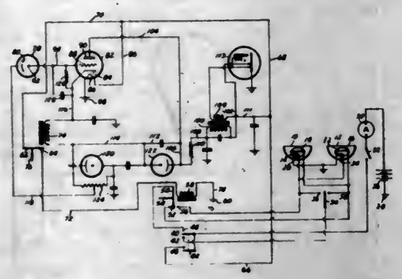
and edgewise entry of wind currents into the housing, and an outwardly facing sttaionary sign which is located opposite the display face of said rotative sign and which closes said housing at the front of said rotative sign to facewise entry and exit of wind currents at one side of a substantially straight line extending approximately diametrically of said rotative sign, whereby a portion of a wind current directed at said housing longitudinally of said line will enter and leave the housing at the opposite side of said line and rotate the rotative sign.

2,572,626
ELECTRICAL COMPUTER
James E. Taylor, New York, N. Y., assignor to The Norden Laboratories Corporation, New York, N. Y., a corporation of Connecticut
Application June 13, 1946, Serial No. 676,411
9 Claims. (Cl. 175—335)



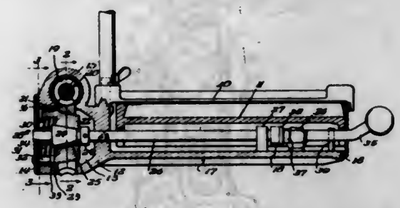
1. A computer including in combination, means for generating an alternating potential signal which is a function of the angular rate of correction precession of a gyroscope, a transformer, means for impressing said signal across the primary of said transformer, a pair of thermionic tubes each having a grid and an anode, means for connecting the secondary of said transformer to said grids in push-pull relation, a source of alternating potential of the same frequency as said signal, a channel for impressing said potential upon said grids in push-push relation in series with said push-pull signal, an electromagnet having a pair of parallel wound and differentially connected windings, and means for connecting respective windings in series with the respective anodes of said tubes.

2,573,627
AUTOMOTIVE HEADLIGHT DIMMING SYSTEM
Laurence A. Vanderlip, Wichita, Kans.
Application October 24, 1949, Serial No. 123,221
1 Claim. (Cl. 315—83)



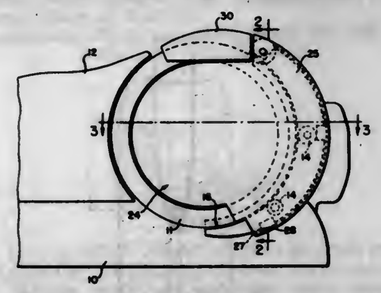
In a lighting system, a dim circuit and a bright circuit; a first switch common to said circuits and movable to and from positions alternately closing the same; a source of electrical energy; a relay having make and break mechanism; a second switch movable to and from positions alternately coupling said first switch and said mechanism with said source, said mechanism normally closing said bright circuit when coupled with said source, said relay having a coil for moving said mechanism to a position opening the bright circuit and closing said dim circuit when said coil is energized; an operating circuit for the coil; an electronic tube having a control grid and an anode-cathode circuit; a second relay having an operating coil in said anode-cathode circuit and a switch in said operating circuit; voltage control means in said anode-cathode circuit for maintaining said operating coil energized to hold said switch normally open; electrical apparatus coupled with said control grid for receiving and converting rays of light into electrical energy; a circuit for said apparatus; means in said last mentioned circuit for normally controlling the voltage from said apparatus to said control grid; a variable resistor in said last mentioned circuit for controlling the emission of electrons by said apparatus whereby to deenergize said anode-cathode circuit only upon light of predetermined intensity passing to said apparatus; and a third switch ganged for movement with said second switch to a position for coupling said source with the operating circuit, the anode-cathode circuit and the circuit for said apparatus when the second switch is moved to a position coupling said mechanism with the source of energy.

2,573,628
SLICING MACHINE FEED MECHANISM
Adrianus van Duyn, Hillegersberg, Netherlands, assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application March 1, 1947, Serial No. 731,765
In Great Britain March 29, 1946
10 Claims. (Cl. 146—102)



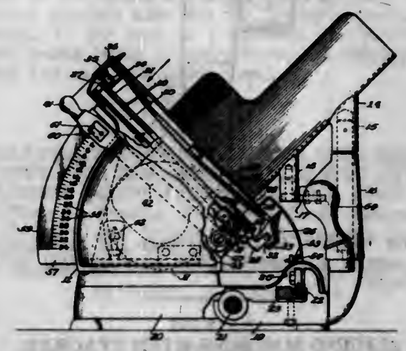
1. A slicing machine embodying an article carrier, means for advancing the carrier toward the cutting plane, said means embodying a pinion gear connected to and freely rotatable in both directions with respect to the carrier, a rotating operating worm gear element meshing therewith for rotating the latter, a clutch element rotatably supporting the first said gear and movable into and out of an opening therein, for locking it against rotation with respect to the carrier, and for unlocking it, said clutch element maintaining the gear elements in intermeshed relation, means tending normally to cause the clutch element to lock the first said gear, and means for operating the clutch element against the stress of the last said means to unlock the gear.

2,573,629
GUARD PLATE FOR SLICING MACHINES
Cornelis Klingens, Barendrecht, Netherlands, and Henry Thomas, Chingford, England, assignors to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application June 11, 1947, Serial No. 753,942
In Great Britain July 29, 1946
2 Claims. (Cl. 146—102)



1. A shield for the rotary knife of a slicing machine, embodying a guard plate mounted behind the rear face of the knife and extending across the edge of the knife, a mask plate having a proximal portion extending across the face of the knife and terminating short of the edge in the cutting and sharpening zone, the plate having an enlarged distal portion shaped to overhang and engage the edge of said guard plate, means detachably securing said mask to said guard plate, and a supplemental guard for the portion of the knife in the sharpening zone, said supplemental guard forming a continuation of the said distal portion of the mask.

2,573,630
SLICING MACHINE WITH GAUGE PLATE ADJUSTING MEANS
Adrianus van Duyn, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application August 4, 1947, Serial No. 766,025
In Great Britain October 14, 1946
4 Claims. (Cl. 146—102)

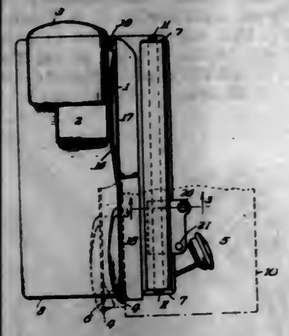


1. In a slicing machine, a housing, a rotary slicing knife on a turning axis, a slice thickness gauge plate extending outwardly of the edge of said knife on one side of said axis, said knife and plate being disposed in inclined planes, a rock shaft disposed below said plate adjacent one edge thereof and journaled in bearings mounted on said housing, arms on the shaft pivotally connected to said plate, a rock shaft remote from the first said shaft, the last said rock shaft also being journaled in bearings mounted on said housing, an arm on the second said shaft, a leg extending outwardly from said gauge plate substantially parallel to the planes of the knife and gauge plate and beneath the knife to leave the space beneath the gauge plate unobstructed by its adjusting mechanism, a pivotal connection between the last said arm and said leg, said arms engaging said plate at connecting points adjacent the edge of said knife and angularly spaced with respect to said turning axis, an intermediate shaft operatively connected to the first and second recited shafts, and an operating member connected to one of said shafts for rocking all of said shafts to adjust said gauge plate.

2,573,631
SLICING MACHINE
Adrianus van Duyn, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., a corporation of Indiana
Application August 4, 1947, Serial No. 766,026
In the Netherlands September 12, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires September 12, 1962
2 Claims. (Cl. 146—102)

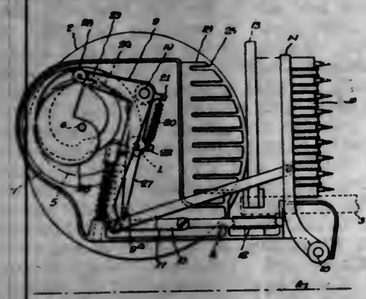
1. A slicing machine embodying a reciprocable carriage, a substance carrier, means for connecting the carrier with the carriage for removal therefrom by lifting the carrier with respect to the carriage, said means embodying a pin on said carriage and provided with a conical base portion and a body portion of substantial length and of a diameter less than the diameter of said base portion, said carrier having a recess to receive said pin, said recess being provided with a portion to fit said pin, an enlarged portion which receives and fits said conical base portion of the pin, and an additional pin-and-socket connec-

tion between said carrier and said carriage spaced from said pin having the conical base and recess connection to prevent pivoting of the



carrier relative to the carriage for maintaining the carrier against turning with respect to the carriage.

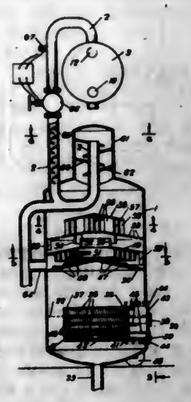
2,573,632
SLICING MACHINE WITH STACKER
Adrianus van Duyn, Hillegersberg, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Inc., La Porte, Ind., a corporation of Indiana
Application August 4, 1947, Serial No. 766,027
In the Netherlands January 23, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 23, 1962
4 Claims. (Cl. 146—94)



1. In a slicing machine, a pivotally mounted slice receiver, a pivotally mounted first lever, a projection on said lever, means for actuating said lever, a pivotally mounted second lever, an operable connection between said second lever and said slice receiver, and resilient means normally maintaining a part of said second lever in abutment with the projection on the first lever whereby the second lever may be actuated by the first lever to pivot said slice receiver under normal operating conditions, but permitting the second lever to move out of engagement with said projection when the slice receiver is overloaded, thereby operably disconnecting the slice receiver from the said lever actuating means.

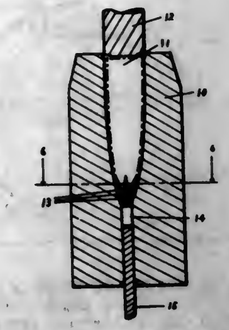
2,573,633
MEANS FOR DEPHLEGMATING VAPORS
William T. Whatley, Port Arthur, Tex.
Original application August 27, 1949, Serial No. 112,715. Divided and this application July 3, 1950, Serial No. 171,925
3 Claims. (Cl. 183—104)

1. In apparatus of the character described, means for dephlegmating vapors comprising a vertically disposed cylindrical vessel, a pair of conically shaped baffles positioned within the vessel and disposed one above the other, each of the conical baffles being inclined upwardly from the circumference thereof toward the center, the lowermost conical baffle being perforated adjacent its circumference and having a central opening sur-



rounded by a depending annular baffle, the uppermost conical baffle being smaller in diameter than the lower one, and a plurality of baffles interposed between the two conical baffles, the last mentioned baffles being disposed vertically and being joined at their upper and lower edges to the adjacent conical baffles.

2,573,634
PROCESS OF MAKING A PROJECTILE
Ernest G. Whipple, Stratford, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 25, 1950, Serial No. 192,036
5 Claims. (Cl. 29—1.23)



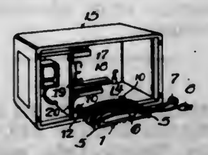
1. A process of treating a metal jacketed bullet having a relatively soft core to aid the mushrooming thereof on target impact, comprising the steps of at least partially piercing the wall of the jacket with a plurality of cuts; expanding the jacket in the region of said cuts to split the jacket through to the core along the line of each of said cuts; and contracting the expanded region to normal bullet shape.

2,573,635
FISHING POLE HOLDER
Ray M. Williams, Mexico, Mo.
Application November 25, 1949, Serial No. 129,383
3 Claims. (Cl. 248—42)



1. A fishing pole holder comprising means for securing said holder in the ground, a standard detachably secured in said means, said standard having an elongated longitudinal slot entering the end remote from said means, a pivot pin carried by said standard and extending transversely through said slot, an arm mounted in said slot on said pivot pin to swing in a vertical arc about the axis of said pin, a plate secured to a side of said arm having a plurality of apertures therethrough, a pin carried by said standard and extending through the slot in parallel relation to the pivot pin for selective engagement within said apertures of said plate to hold said arm in various predetermined angular positions, horizontal spring means secured to said standard for securely retaining the handle of a fishing rod between said arm and said spring means, and bracing means terminally connected to said standard and said arm when said arm is in any of the various predetermined angular positions.

2,573,636
CORD REEL OR HOLDER
William G. Wilson, Merriam, Kans., assignor to Movie-Mite Corperation, Kansas City, Mo., a corporation of Missouri
Application March 19, 1947, Serial No. 735,695
3 Claims. (Cl. 242—85)



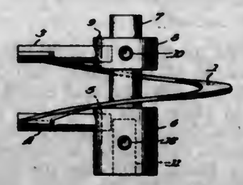
1. In a portable sound motion picture projector apparatus comprising a cover for a sound-on-film picture projector provided with compartments, top, bottom and side walls and an open side; the combination with said cover of a pair of spaced brackets having straight sides forming faces, said brackets being mounted on one of said walls adjacent said open side, a supporting block having a forward stepped portion, said block being mounted on said last named wall but being spaced from said brackets, a substantially rectangular frame forming a reel and having projecting corners, and integral spaced legs extending from the plane of said frame, said legs having straight faces adapted to engage the faces of said brackets when the frame has been swung to its extended position for positioning said frame in a plane parallel to the plane of said last named wall, a pair of projections each located adjacent to a projecting corner of said frame for pivotally mounting said frame on said brackets, said forward stepped portion of said block forming a support for the opposite end of the frame from said legs whereby said frame may be swung from its extended position to its folded position with the said frame opposite end resting on the stepped portion of said block and said frame being in spaced parallel relationship with the said last named wall.

2,573,637
TREATED STOPPER FOR AND METHOD OF INTRODUCING ANTIFOAM AGENT INTO A LIQUID MEDICAMENT OR THE LIKE
William L. Bender, Plainfield, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
Application May 22, 1950, Serial No. 163,558
10 Claims. (Cl. 128—272)



1. A closure for a container of liquid which foams upon being shaken, said closure being treated with an anti-foam agent of the silicone type over at least a portion thereof which will be contacted by said liquid in said container upon sufficient movement being imparted to the container to bring the liquid into contact with said portion.

2,573,638
ADJUSTABLE CAM
Corwin W. Bryant, Downers Grove, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 29, 1946, Serial No. 712,777
1 Claim. (Cl. 74—568)

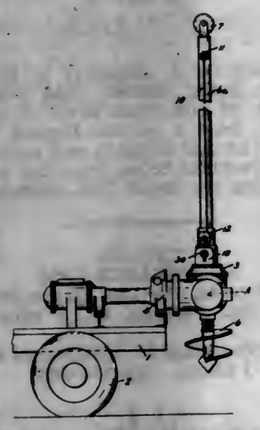


An adjustable cam of coiled-spring configuration, the combination of a coiled spring having spaced-apart hub members defining the respective end limits of the coiled spring, at least one of the hub members being provided with means for attachment to a shaft or the like, at least one of the hub members being adjustably movable axially and also rotatably relative to the other hub member thereby to vary the developed cam surface of the coiled spring, the coiled spring being composed of a material substantially flat or strip-like in cross-section, cam pin members extending substantially transversely from each hub member, the said cam pin members connecting the respective ends of the coiled spring to the said hub members.

2,573,639
MANUFACTURE OF POROUS ARTICLES FROM TRIFLUOROCHLOROETHYLENE POLYMER
Myron A. Coler, New York, N. Y., assignor to the United States of America as represented by the U. S. Atomic Energy Commission
No Drawing. Application December 2, 1949, Serial No. 130,865
8 Claims. (Cl. 18—47.5)

1. The method of preparing a porous article of trifluorochloroethylene polymer comprising cold-molding a finely divided powder of said polymer at a pressure in excess of 500 pounds per square inch, removing the cold-molded polymer from the mold, thereafter sintering said molded powder by heating at an elevated temperature below 250° C. and within 50 to 100° below the temperature at which said polymer can be hot-molded, and cooling the sintered powder.

2,573,640
DIGGING DEPTH INDICATOR FOR BORING MACHINES
George H. Connors, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Delaware
Application January 14, 1948, Serial No. 2,304
7 Claims. (Cl. 255—22)

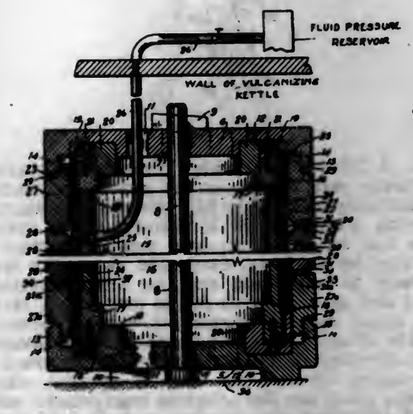


1. In a boring machine, in combination, a boring bar, an auger at the lower end of said bar, a boring head for the bar and operating means in the head to raise and lower the bar and its auger, a digging depth indicating unit comprising an indicator exteriorly arranged relatively to the head, a cable drum on the boring head, a trip arm operable by the drum and coacting with the indicator to move the latter a predetermined distance corresponding with the movement of the boring bar, and a cable connecting the boring bar with said drum.

2,573,641
NEUTRALIZATION OF THE MINERAL ACID SALTS OF AMINONITROTHIAZOLE
Harold L. Hubbard, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 28, 1950, Serial No. 176,548
20 Claims. (Cl. 260—306.8)

1. In the process for the preparation of aminonitrothiazole by the neutralization of an aqueous solution of its mineral acid salt, the improvement which comprises neutralizing said aqueous solution with an alkaline alkali metal salt of an acid of phosphorus which is a hydrate of P_2O_5.

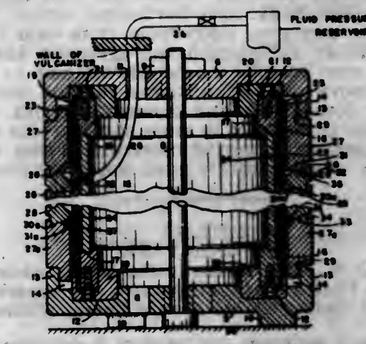
2,573,642
METHOD OF MAKING BELTS
James A. Hurry, Denver, Colo., assignor to Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application August 2, 1947, Serial No. 765,738
2 Claims. (Cl. 18—55)



1. The method of forming an endless power transmission V-belt, the body of which comprises a heat curable material having an endless tension core therein consisting of substantially parallel cords, which includes the steps of positioning the belt in an endless outwardly narrowing mould cavity, said cavity being of a size to enable at least a portion of the belt to move outwardly to increase the length thereof, forcing an endless wall of expansible material in an outward direction normal to and against the entire inner wall of the belt thereby applying an outwardly directed uniformly distributed force to the entire inner wall of the belt normal thereto at all points forcing it outwardly into the cavity and uniformly tensioning said core at all points therealong, and subjecting the belt to a curing temperature while maintaining said core tensionally strained.

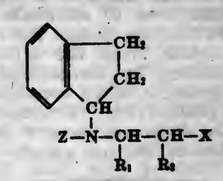
2,573,643
MOLD FOR MANUFACTURING AND CURING TRANSMISSION BELTS
James A. Hurry, Denver, Colo., assignor to Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application April 3, 1948, Serial No. 18,824
5 Claims. (Cl. 18—6)

4. A mold for simultaneously curing a plurality of endless power transmission belts under longitudinal tensional and transverse compressive strains acting uniformly along the entire length of the belt, comprising, in combination, a cylinder having at least one end open, the inner surface of the cylinder having a plurality of endless grooves forming belt cavities of the desired belt cross section, a compression device positioned in the cylinder, comprising a rigid metal cylinder, a cylinder of flexible, resiliently extensible material surrounding the second mentioned cylinder, the ends of the flexible cylinder being hermetically sealed to the second mentioned cylinder, whereby, when a fluid is introduced into the space between the outer surface of the said second mentioned cylinder and the inner surface of the flexible cylinder, the latter will increase in diameter, the normal outside diameter of the compression device being slightly less than the inside diameter of the grooved cylinder, whereby belts of uncured vulcanizable material positioned in the grooves will be subjected to a uniformly distributed radially acting force and maintained under transverse compressive and longitudinal tensional strains during the heat treatment.



2,573,644
β-CHLOROETHYL AMINOINDANES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 22, 1949, Serial No. 82,916
6 Claims. (Cl. 260—577)

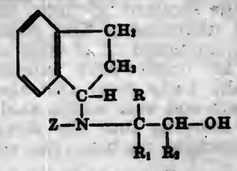
1. A compound of the class consisting of a free base and its organic and inorganic acid addition salts, said free base having the formula:



in which:
Z is a member of the group consisting of lower alkyl, lower alkenyl and benzyl;
R_1 and R_2 are members of the group consisting of hydrogen, methyl and ethyl; and
X is a member of the group consisting of chlorine and bromine.

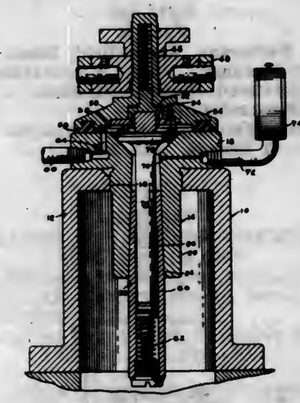
2,573,645
N-HYDROXYETHYL AMINOINDANES
James F. Kerwin and Glenn E. Ullyot, Philadelphia, Pa., assignors to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 25, 1949, Serial No. 95,278
6 Claims. (Cl. 260—570.8)

1. A compound of the class consisting of a free base and its organic and inorganic salts, said free base having the formula



in which Z is a member of the group consisting of lower alkyl, lower alkenyl, phenyl, phenyl lower alkyl, lower alkoxy alkyl, and phenoxy lower alkyl radicals; and R, R_1, and R_2 are members of the group consisting of hydrogen, methyl, and ethyl radicals.

2,573,646
VALVE TESTING APPARATUS
Walter T. Koestering, Battle Creek, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1947, Serial No. 719,905
3 Claims. (Cl. 73—47)

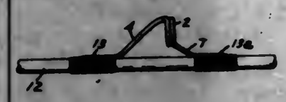


1. A fixture for checking the sealing qualities of valves comprising a body member having a central opening therethrough providing separate valve seating and guiding means therein, resilient means for normally holding a valve to be tested off the seating surface when inserted in the opening of the body, a closure member adapted to be arranged upon the upper surface of the body member in sealing engagement therewith when the valve is inserted in the opening having a resilient plunger for abutting and holding the valve to be tested under simulated seating operating conditions upon the seating surface and forming a chamber between the top of the valve head and the closure member, a controlled air pressure source communicating with the chamber and an air leakage measuring device communicating with the central opening in the body between the valve guiding and seating means.

2,573,647
FISHING ROD GUIDE
Hans Marke, Burbank, Calif., assignor to Aetna Products and Manufacturing Co., Burbank, Calif., a corporation of California
Application August 29, 1949, Serial No. 112,942
2 Claims. (Cl. 43—24)

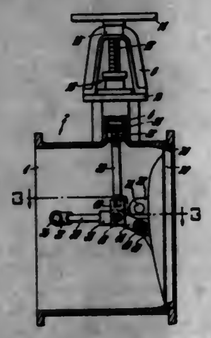
1. A fishing rod line guide comprising a unitary length of resilient wire including two

straight end portions in substantial alignment and an intermediate portion connecting the inner ends of the straight portions, said intermediate portion including a first straight section and a section composed of at least one complete coil having an upper part extension thereof curved laterally away from and above the side of the complete coil over which said upper part extends and merging into the straight section of the intermediate portion, the complete coil



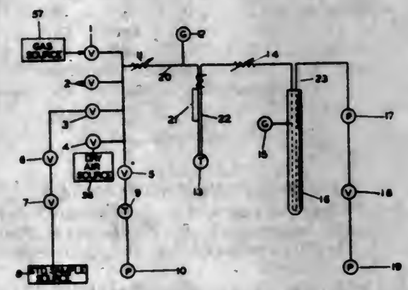
having the lower terminus thereof merging into a straight section shorter than said first straight section and connected to one of the straight end portions and being at an acute angle to the axis of the straight end portions, the first straight section of the intermediate portion lying in a plane at an acute angle to a plane including all the other straight portions and the diameter of the coil.

2,573,648
VALVE
Elmer K. Nickerson, Springfield, Mass., assignor to The Chapman Valve Manufacturing Co., Indian Orchard, Springfield, Mass., a corporation of Massachusetts
Application October 4, 1948, Serial No. 52,621
2 Claims. (Cl. 251—17)



1. A combined check and shut-off valve construction comprising in combination, a body having a horizontal waterway therethrough and a vertically extending neck portion provided with a bore extending vertically upwardly from said waterway, a seat at one end of said waterway, a disc in said waterway pivoted at its opposite sides intermediate its lower and upper sides thereof and at its inner rear side on pivot pins fixed to the body and extending into opposite sides of the waterway for rotating between a vertical closed position on said seat and an open substantially horizontal position away therefrom, a stem having a lower end in said bore and upper screw thread means carried by said stem and the upper end of said neck portion of the body whereby the lower end of the stem may be moved up and down in said bore by rotation of said stem, a central connecting member in said waterway rearwardly of said disc, a link and pivotal connections between opposite ends of said link and said central member and rear side of said disc respectively for positively pivotally connecting said member and disc, a vertical thrust rod extending upwardly from said connecting member having an upper end portion in said bore and being below and engageable by the lower end of said stem, a pair of horizontal thrust members in the waterway, pivotal connecting means between inner ends of said thrust members and said central member and pivotal connecting means between outer ends of said thrust members and said body for positively pivotally connecting said central member and body, said horizontal thrust rods relatively diverging rearwardly from said central member, all adapted and arranged whereby said stem may be moved downwardly in the bore to move said vertical thrust rod and central member downwardly and through said link and horizontal thrust rods to move and hold the disc on said seat or be moved upwardly so that said disc may rotate inwardly from closed position.

2,573,649
GAS ANALYZER
Alfred O. C. Nier, Minneapolis, Minn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application September 30, 1947, Serial No. 776,953
4 Claims. (Cl. 73—23)



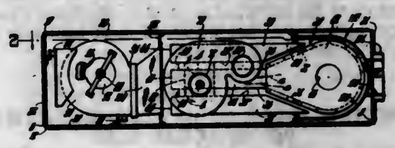
1. A system for measuring small quantities of contamination in a gaseous mixture comprising means for introducing a flow of the mixture from a high pressure area to a low pressure area, means for regulating the flow of the mixture to the low pressure area to maintain a predetermined pressure therein, means for removing the desired components from the mixture, an ion gauge for measuring the contamination gases as a function of pressure, and a constriction adjustable to a fixed position for providing a large pressure differential between the low pressure area and the location of the ion gauge.

2,573,650
WATER-RESISTANT GREASES
Walter H. Peterson, Point Richmond, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 22, 1949, Serial No. 82,905
16 Claims. (Cl. 252—28)

8. A grease composition comprising a lubricating oil, 1 to 20% based on said oil of an inorganic gel, said gel retaining in the composition the gel structure substantially as originally formed, and 0.5 to 40% by weight of said gel of a non-metallic hydrophobic aliphatic hydroxy organic compound having at least 8 carbon atoms.

9. A grease composition comprising a lubricating oil, from 2 to 10% based on said oil of an inorganic gel, said gel retaining in the composition the gel structure substantially as originally formed, and 0.5 to 40% by weight of said gel of a non-metallic hydrophobic aliphatic hydroxy organic compound having at least 8 carbon atoms.

2,573,651
FORCED AIR FLOW AIR-HEATING FURNACE
Alonzo W. Ruff, York, Pa., assignor to Harvey-Whipple Incorporated, Springfield, Mass., a corporation of Massachusetts
Application June 23, 1949, Serial No. 100,921
10 Claims. (Cl. 126—110)



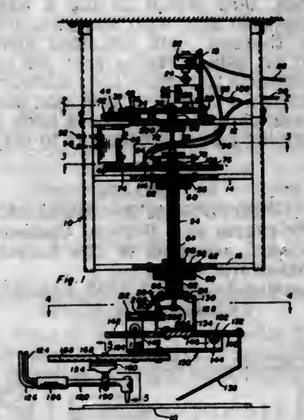
1. Heating apparatus comprising in combination, a casing having an air outlet at an outlet end thereof, a combustion chamber disposed in said outlet end of the casing having a rear portion tapering inwardly of the casing away from said outlet, housings adjacent and spaced from opposite sides of the rear portion of said combustion chamber, connections between the rear portion of said combustion chamber and housings, a suction device having a discharge, connections between said housings and suction device whereby products of combustion are drawn from said combustion chamber through said housings and discharged from said discharge, said casing provided with air inlet means for a blower, and a blower device rearwardly of said combustion chamber and housings for projecting air forwardly past and between said combustion chamber and housings and outwardly of said outlet.

2,573,652
ACYLATION OF AMINOSULFONIC ACIDS OF DIBENZOTHIOPHENE
Mario Scalera and Warren S. Forster, Somerville, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 4, 1950, Serial No. 153,988
9 Claims. (Cl. 260—329.3)

1. The method of acylating a sulfonic acid of 3,7-diaminodibenzothiophenedioxide which comprises admixing an aroyl halide and a member from the group of (*a*) mixtures of the selected aminosulfonic acid with a steam-volatile tertiary amine, and (*b*) salts of a steam-volatile tertiary amine and the selected aminosulfonic acid, in the presence of an inert organic solvent under substantially anhydrous conditions; maintaining the mixture under reaction conditions until reaction substantially ceases and isolating the reaction product.

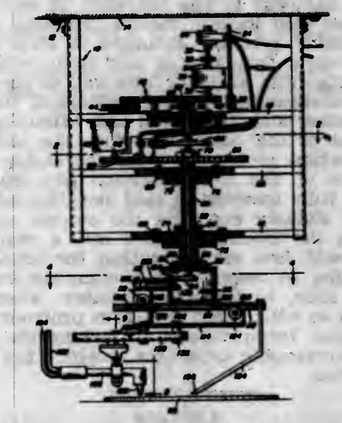
2,573,653
APPARATUS FOR THERMOCHEMICALLY CUTTING GEARS
Daniel A. Schreck, Boise, Idaho, assignor to Idaho Sprocket and Machine Works, Boise, Idaho, a copartnership
Application January 19, 1948, Serial No. 3,116
6 Claims. (Cl. 266—23)

1. An apparatus for thermochemically cutting gears from a sheet blank comprising a frame, a sleeve journalled in said frame, a shaft journalled in said sleeve, means for simultaneously rotating said sleeve and shaft at different predetermined, selected speeds, a torch, means for attaching said torch to said sleeve, means operated by said shaft for moving said torch toward and



from the longitudinal axis of said sleeve in timed relation to rotation of said sleeve, means responsive to the relative positions of said sleeve and shaft for regulating the linear speed of movement of said torch with respect to the sheet blank.

2,573,654
APPARATUS FOR THERMOCHEMICALLY CUTTING GEARS
Daniel A. Schreck, Boise, Idaho, assignor to Idaho Sprocket and Machine Works, Boise, Idaho, a copartnership
Application May 4, 1949, Serial No. 91,826
1 Claim. (Cl. 266—23)



An apparatus for forming a sprocket gear from a flat gear blank comprising a torch, means for mounting a flat gear blank in operative cutting relation to said torch, means for imparting orbital movement to said torch about an axis of rotation, means for imparting to said torch movement radially of said axis of rotation in synchronization with said orbital movement, means for increasing the linear speed of travel of the torch over those portions of the gear blank where the

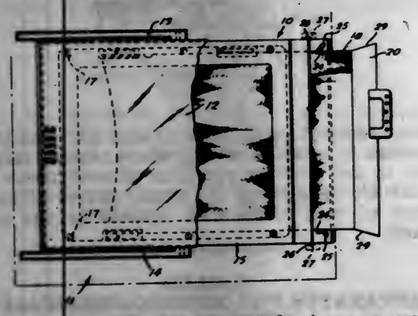
path of travel of the torch has a smaller radius of curvature, said torch moving means including an electric motor and circuit therefor, said last means including a resistance in said motor circuit, a switch controlling the operativeness of the resistance in said motor circuit and mounted on said means for imparting orbital movement to said torch, said switch having a fixed member and a movable arm with complementary switch contacts thereon, cam actuated means fixedly mounted on said movable arm for closing said switch contacts to remove the resistance from the motor circuit, a cam actuating said cam actuated means, said cam being mounted upon said means for imparting radial movement to said torch.

2,573,655

PHOTOGRAPHIC HOLDER

Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company Inc., Stamford, Conn.

Application January 8, 1948, Serial No. 1,116
8 Claims. (Cl. 95—71)



1. A photographic holder of the type comprising a casing having a slide insertion slot therein, and a removable rigid slide adapted to be inserted in said slot for covering and uncovering a sensitized layer in the casing, in combination with locking means mounted on the casing adjacent to the entrance of said insertion slot, said locking means including a locking member pivotally mounted to form a two-arm lever, a first arm of said lever protruding outwardly from an outer side wall of the casing in a predetermined pivotal position of the locking member and the second arm extending from the face of the casing and into the path of a slide portion protruding from the casing at the entrance of the slide insertion slot when the slide is fully inserted in said slot, the said slide portion slidably engaging the second arm and pivoting the locking member into a position in which said first arm is within the confines of the casing in response to a complete insertion of the slide, said locking member, when in a position in which said first arm protrudes from the casing, being capable of locking the holder to a photographic apparatus in which the holder is inserted.

2,573,656

HYDROLYSIS OF ACETYLAMINONITROTHIAZOLE

George W. Steahly, Maplewood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 22, 1950, Serial No. 175,428
16 Claims. (Cl. 260—306.8)

1. An improved process for the hydrolysis of acetylaminonitrothiazole which comprises boiling under reflux conditions an aqueous mineral acid solution of acetylaminonitrothiazole for a period of time not exceeding about one hour.

2,573,657

NEUTRALIZATION OF THE MINERAL ACID SALTS OF AMINONITROTHIAZOLE

George W. Steahly, Maplewood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application July 28, 1950, Serial No. 176,536
10 Claims. (Cl. 260—306.8)

1. In the process for the preparation of aminonitrothiazole by the neutralization of an aqueous solution of its mineral acid salt, the improvement which comprises neutralizing said aqueous solution with ammonium hydroxide.

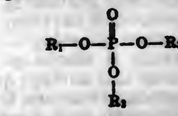
2,573,658

PURIFICATION OF ESTERS OF ORTHO-PHOSPHORIC ACID

William E. Weesner, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application April 21, 1949, Serial No. 88,893
7 Claims. (Cl. 260—461)

1. In the process for the purification of esters of ortho-phosphoric acid having the formula



wherein R_1, R_2 and R_3 represent a radical selected from the group consisting of alkyl radicals having at least 6 and not more than 18 carbon atoms and alkoxyethyl radicals wherein the alkyl substituent contains at least 4 and not more than 18 carbon atoms, the steps comprising adding to the crude ester a compound selected from the group consisting of the alkaline alkali metal salts and alkali metal hydroxides so as to render said crude ester alkaline and then washing with water at a temperature in excess of about 85° C.

2,573,659

METHOD OF MAKING COLOR ORNAMENTED ASBESTOS-CEMENT SHEETS

Edgard M. Bollaert, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application July 27, 1946, Serial No. 686,669
1 Claim. (Cl. 92—39)



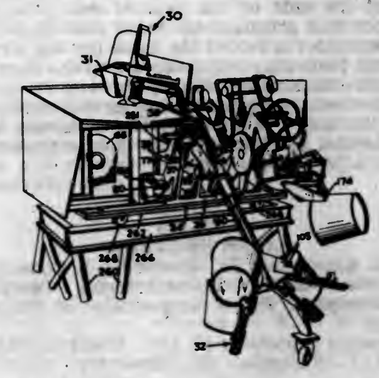
Process of producing color-ornamented asbestos-cement sheets which comprises building up a laminated structure of unset asbestos-cement composition, applying a continuous base veneer layer of a colored asbestos-cement composition thereto, picking up a continuous layer of an unset differently colored asbestos-cement top veneer composition on a filter-cylinder, washing off preselected areas of said differently colored composition from said filter cylinder, and transferring the said residual differently colored composition onto said base veneer layer.

2,573,660

GALVANIZING MACHINE

Clifford E. Brownell, Buffalo, N. Y., assignor to Lisk-Savory Corporation, Buffalo, N. Y.

Application May 7, 1948, Serial No. 25,655
24 Claims. (Cl. 91—12.5)



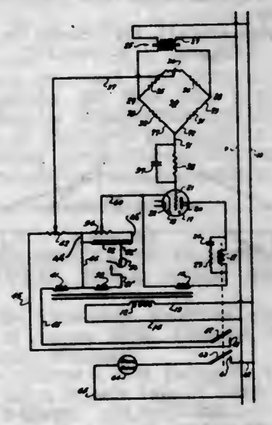
24. In a metal coating machine, a molten bath and an article handling reel submerged therein, said reel including a plurality of circumferentially spaced article holding means, means for supporting and rotating said reel with its axis at an angle to the vertical whereby rotation of the reel moves articles held by said article holding means downwardly into and through the bath and upwardly to a position partly out of the bath, article inserting means including an article holding device movable to and from a position spaced from the surface of the bath to partly immerse an article in the bath and present it to one of the submerged article holding means, and article extracting means movable to and from a position adjacent the surface of the bath for engaging an article at a point outside the bath to remove the same from the submerged holding means.

2,573,661

THERMOSTATIC STOKER CONTROL SYSTEM

Justin A. Deubel, Hales Corners, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application April 5, 1948, Serial No. 19,109
4 Claims. (Cl. 236—9)



1. Control means adapted to control the operation of an electric fuel feeding device of the type which is actuated by an enclosure temperature responsive means including: a normally open switch in circuit with said fuel feeding means and controlling energization thereof, electromagnetic means for closing said switch, an electric discharge device having an anode, cathode and control electrode, a connecting circuit for said anode, said cathode, a voltage source and said electromagnetic means, a circuit network for controlling conduction through said electric discharge device, said network including a source of power and said enclosure temperature responsive means, an inductance coil having a portion thereof connected in series with said enclosure temperature responsive means for limiting the flow of current therethrough, and means for connecting opposite ends of said inductance coil with said control electrode and said cathode respectively.

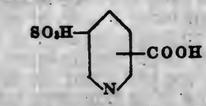
2,573,662

CARBOXYPYRIDINE SULPHONIC ACID COMPOUNDS

Bernard F. Duesel, Yonkers, and John V. Scudi, New York, N. Y., assignors to Nepera Chemical Co. Inc., Yonkers, N. Y., a corporation of New York

No Drawing. Application March 17, 1948, Serial No. 15,505
6 Claims. (Cl. 260—295)

1. The process of producing carboxylic acid derivatives of pyridine-5-sulphonic acid of the basic general formula



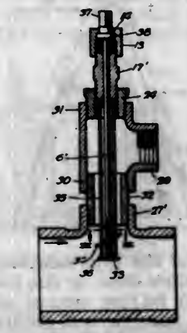
comprising oxidizing a picoline-5-sulphonic acid with an oxidizing agent selected from a group consisting of potassium permanganate and manganese dioxide and separating from the reaction mass the carboxypyridine-5-sulphonate formed.

2,573,663

CONTROL DEVICE FOR HEAT EXCHANGE SYSTEMS

William Louis Hand, Chicago, Ill.

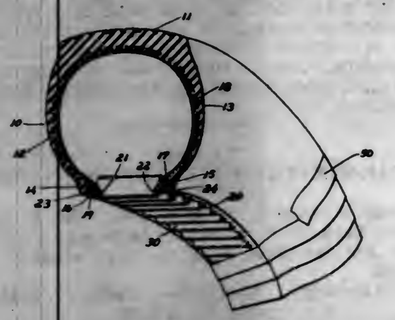
Application November 30, 1945, Serial No. 631,903
3 Claims. (Cl. 138—37)



1. In a fluid heat exchange system, a main pipe, a neck opening in said main pipe, a rotatable stem passing through said neck into said main pipe, a deflector plate secured in oblique angular relationship to said stem, a nipple embracing one portion of said stem, and a rod secured to said

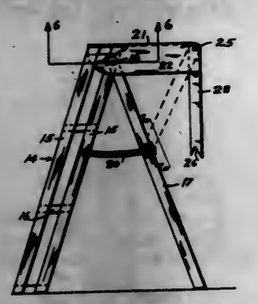
nipple and passing through an aperture in said deflector plate to prevent rotation of said deflector plate with said stem.

2,573,664
PNEUMATIC TIRE PACKAGE
Frank Herzogh, Shaker Heights, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 18, 1947, Serial No. 780,647
6 Claims. (Cl. 206—46)



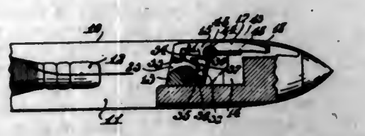
1. A tire package comprising a tire casing having spaced-apart bead portions, and expendible spacing means extending between said bead portions to hold the bead portions in spaced relation, said means comprising a strip of stiff sheet material arranged circumferentially of the tire, said strip being wider than the distance between the bead portions of the tire when the tire is mounted for use and having folds extending laterally across the same to stiffen it, and circumferentially spaced-apart means at the margins of the strip seating astride the bead portions of the tire for holding the strip in position.

2,573,665
STEPLADDER
Clarence F. Jones, Denver, Colo.
Application April 15, 1946, Serial No. 662,115
1 Claim. (Cl. 228—17)



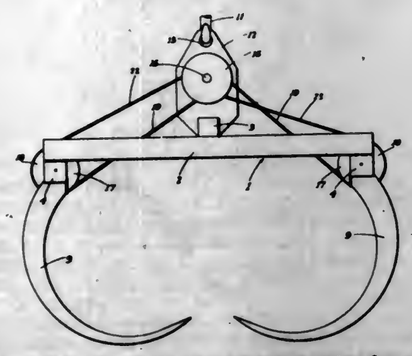
A stepladder of the type adapted to be secured to a kitchen cabinet door, or the like, comprising: a ladder portion having spaced sides, each side comprising two spaced bars secured together at each step and adjacent their tops and two spaced braces secured by pivot pins to the sides, a table having a flat top and flanges extending along the entire length of the side edges of the top, the pivot extending through said flanges near corresponding ends thereof, whereby the top may be tilted from a substantially horizontal position to a vertical folded position, a cross bar extending between said braces intermediate their ends, a plate pivotally connected to said flanges adjacent their opposite ends, said plate having notch means adapted to engage said cross bar, and cooperative securing means disposed between the side edges of said plate adapted to secure it against the side of the cabinet door, the construction and arrangement being such that when the stepladder is folded the table portion thereof and said plate may be juxtaposed to the door and the entire ladder supported by the door for swinging movement carrying the ladder therewith, and when the ladder is unfolded, the table may be in a horizontal position with the ladder resting on a floor adjacent the door.

2,573,666
LOOM SHUTTLE
John J. Kaufmann, Jr., Greenville, S. C., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 19, 1947, Serial No. 774,901
8 Claims. (Cl. 139—215)



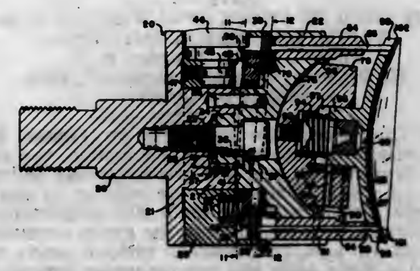
3. An automatically threading loom shuttle having a threading block the main or body portion of which comprises a casting provided with a thread channel extending longitudinally therethrough, said threading block having a side delivery eye for the passage of the filling yarn, a takeup device mounted in the thread channel comprising a U-shaped member having a transverse bar extending across the rear end of the thread channel, and side arms having pivot members at their forward ends said pivot members being pivotally mounted in the side walls of the casting, and elastic tension means for raising the transverse bar of said takeup device.

2,573,667
GRAB UNIT
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation
Application April 12, 1947, Serial No. 741,648
5 Claims. (Cl. 294—107)



1. A grab hook unit comprising a pair of spaced parallel end beams, a cross beam rigidly connected to said end beams substantially midway between their ends, a flat vertically upstanding suspension plate rigidly fixed to the cross beam substantially midway of its length, the flat sides of the plate being disposed in facing relation to the end beams, a cross shaft extending between adjacent ends of the end beams and journaled thereon, grab hooks fixed on the cross shafts, a reversible electric motor fixed to one face of the vertical plate with its driven shaft projecting through the plate, a cable drum on said motor shaft and disposed adjacent the opposite side of the plate, a sheave unit mounted on each cross shaft in substantial alinement with the drum, and a cable system connected between the drum and sheaves and effective to rotate the cross shafts upon operation of the motor.

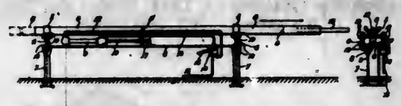
2,573,668
LENS CHUCK
Eli M. Long, Geneva, and James F. McCarthy, Oaks Corners, N. Y., assignors to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application February 23, 1949, Serial No. 77,888
9 Claims. (Cl. 51—277)



1. A chuck having clamping means capable of being opened for receiving or releasing and closed for holding a lens block to which is secured a lens blank, of the type wherein a finished surface of the blank is aligned with respect to the chuck by a plurality of registering pins contacting said finished surface at their outer ends, and the chuck is thereafter closed to grip the lens block in the position determined by such alignment, characterized by said pins being mounted for axial sliding movement in said chuck, and said chuck comprising manually operable means for selectively engaging the inner ends of all of the pins to limit their axial movement in a rearward direction away from said finished surface during chucking and releasing all of the pins to permit such rearward axial movement after chucking, whereby the pins may engage said finished surface for aligning the lens blank during chucking of the block and may be released while performing operations on the lens blank after chucking of the block is completed.

2,573,669
MACHINE OR APPARATUS FOR STRAIGHTENING METAL RODS, BARS, AND THE LIKE
Allan Macbeth, Fernhurst, England, assignor to executors of James Mills, Limited, Woodley, near Stockport, England
Application August 5, 1947, Serial No. 766,277
In Great Britain July 21, 1945
1 Claim. (Cl. 153—60)

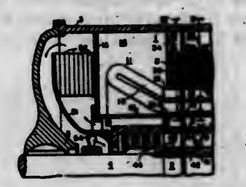
A device for feeding round stock such as metal bars and rods into the nip of the rolls of a straightening machine, the feeding device comprising, in combination, an elongated substantially V-shaped trough for supporting and aligning stock to be straightened along a predetermined axis defined by the trough axis, the stock having freedom to spin in the trough but being constrained towards a centered position by the sloping trough walls; a base; two longitudinally spaced bearing members for engaging said trough



and supporting it against tilting and with freedom of longitudinal movement relatively to the bearing members; means for adjustably mounting said bearing members on said base for adjustment in height and slope with respect to said base; a reversible servo-motor on said base engaging said trough for reciprocating it for movement towards and away from the straightening machine; and means for controlling the servo-motor.

2,573,670
INSULATION OF GENERATOR WINDINGS
Graham L. Moses, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 12, 1949, Serial No. 110,010
20 Claims. (Cl. 171—252)

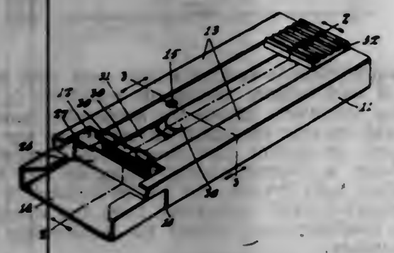
1. An alternating-current dynamo-electric machine having a voltage-rating of at least 10,000 volts and comprising a stationary primary member, means for providing a gas-tight chamber including said stationary primary member, said stationary primary member comprising a frame-member, an annular stator-core supported within said frame-member, said stator-core having axially extending conductor-receiving slots therein, a primary winding having flat-sided winding-portions disposed within said conductor-receiving slots, a plurality of axially extending solid insulating members also disposed within each of said conductor-receiving slots of the stator-core, said insulating members being so disposed as to provide insulation-bounded axially extending cooling-ducts lying against the respective winding-portions in said slots, in such manner that the thermal path for the removal of the conductor-losses is substantially directly from the conductor to the coolant in said cooling-ducts,



the insulating members in each slot including portions of said insulating members which overlie each other to provide insulating creepage-distance between the associated winding-portion and the stator-core, a gaseous filling, in said chamber, at a pressure of at least 50 pounds per square inch over the surrounding atmosphere, means for providing a recirculating path for said

gaseous filling flowing axially within said cooling-ducts, and heat-exchanging means included in said recirculating path for cooling said gaseous filling.

2,573,671
BLADE MAGAZINE WITH SIGHT OPENING
Joseph Mirer, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 25, 1946, Serial No. 705,563
2 Claims. (Cl. 206—16)



2. A blade magazine of rectangular contour having a sight opening in its top, a stack of elongated blades in the magazine, a feed slide substantially coextensive in area with the blades, being mounted to slide in the cover of the magazine and having an opening registering with the sight opening of the magazine when the feed slide is in its initial position, and a spring acting to lift the blade stack and having a flat portion located in position to close the registering openings from inside the magazine when the magazine is empty.

2,573,672
EVAPORATION APPARATUS
Herman E. Reinhardt, Hasbrouck Heights, N. J., assignor to Boyle-Midway Inc., Jersey City, N. J., a corporation of Delaware
Application March 9, 1949, Serial No. 80,363
1 Claim. (Cl. 299—24)

In a container having a liquid holding section and a smaller neck outlet, a wickholder comprising a head and legs, said legs being substantially parallel and equispaced except at a midsectional portion, the legs at said midsectional portion being laterally spaced apart a greater distance than the diameter of the container outlet and the remaining outer portions of the legs, and at the same distance from the head, so that the holder is capable of resting on the upper surface of the container neck by the engagement of the widest portion of the midsectional portion therewith, the length of the midsectional portion being substantially less than the length of the upper portions of the legs, said portion of the legs below the



midsectional portion having a length at least the height of the container neck.

2,573,673
METHOD OF PRODUCING N-MONO SUBSTITUTED IMIDIC COMPOUNDS
John J. Ritter, Yonkers, N. Y.
No Drawing. Application May 27, 1950, Serial No. 164,635
18 Claims. (Cl. 260—545)

1. In a process for producing an N-mono hydrocarbon substituted imino compound, the step which comprises reacting one molecular equivalent of a nitrile based on the number of nitrile groups therein with one molecular proportion of a cationoid compound from the group consisting of sulfuric acid, hydrocarbon sulfonic acids and alkyl sulfuric acids and one molecular equivalent based on the number of ethylenic double bonds therein of an unsaturated hydrocarbon from the group consisting of non-conjugated alkenes having at least three carbon atoms, cyclic terpenes and mono-aryl substituted non-conjugated alkenes, under substantially anhydrous conditions.

4. In a process for producing an N-mono hydrocarbon substituted imino compound, the step which comprises reacting one molecular equivalent of a nitrile based on the number of nitrile groups therein with one molecular proportion of sulfuric acid and one molecular equivalent based on the number of ethylenic double bonds therein of an unsaturated hydrocarbon from the group consisting of non-conjugated alkenes having at least three carbon atoms, cyclic terpenes and mono-aryl substituted non-conjugated alkenes, under substantially anhydrous conditions.

DESIGNS

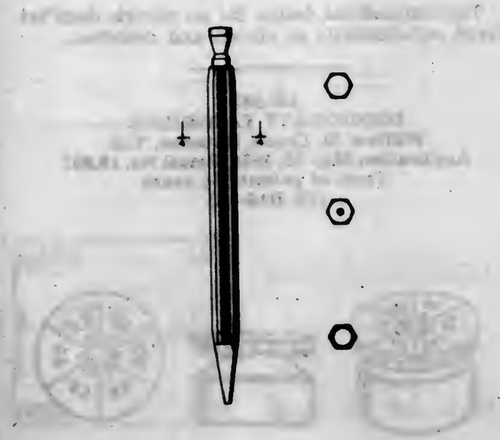
OCTOBER 30, 1951

164,975
HOT-WATER BOTTLE
David Atkin, London, England, assignor to The Cannon Rubber Manufacturers Limited, London, England
Application July 18, 1950, Serial No. 11,248
In Great Britain March 16, 1950
Term of patent 7 years
(Cl. D62—1)



The ornamental design for a hot-water bottle, as shown.

164,976
MECHANICAL PENCIL
Joseph Averna, Brooklyn, N. Y.
Application June 12, 1951, Serial No. 15,530
Term of patent 7 years
(Cl. D74—24)



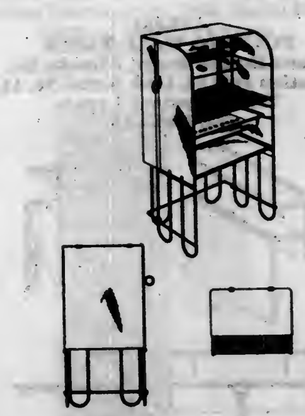
The ornamental design for a mechanical pencil, as shown and described.

164,977
BOOT
George H. Bingham, Jr., Taneytown, Md.
Application August 10, 1951, Serial No. 16,232
Term of patent 7 years
(Cl. D7—4)



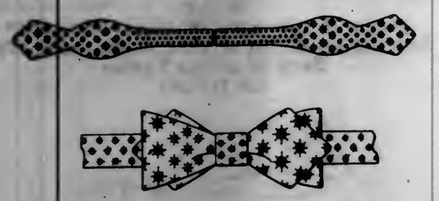
The ornamental design for a boot, as shown and described.

164,978
PORTABLE COOKING STOVE
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application August 28, 1950, Serial No. 11,969
Term of patent 14 years
(Cl. D61—10)



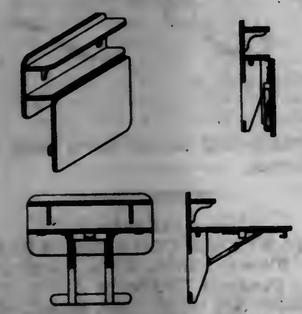
The ornamental design for a portable cooking stove, as shown and described.

164,979
BOW NECKTIE
William Donald Blackwell, Coconut Grove, Fla., assignor to Brenzini, Ltd., New York, N. Y., a corporation of New York
Application January 13, 1951, Serial No. 13,799
Term of patent 14 years
(Cl. D3—16)



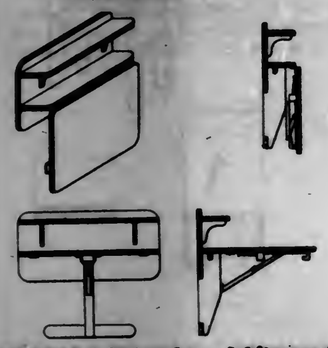
The ornamental design for a bow necktie, as shown and described.

164,980
FOLDING WALL TABLE
James Roland Beggs, Atlanta, Ga.
Application July 22, 1950, Serial No. 11,354
Term of patent 7 years
(Cl. D32—14)



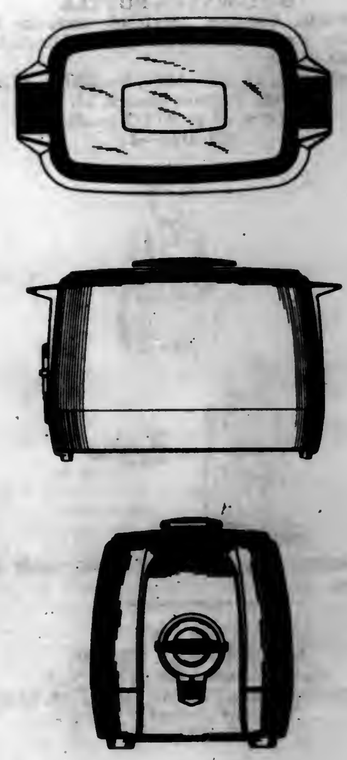
The ornamental design for a folding wall table, substantially as shown.

164,981
FOLDING WALL TABLE
James Roland Beggs, Atlanta, Ga.
Application July 26, 1950, Serial No. 11,420
Term of patent 7 years
(Cl. D32—14)



The ornamental design for a folding wall table, substantially as shown.

164,982
ELECTRIC DEEP FAT FRYER
Stanley J. Budlane and Robert Dusek, River Grove, Ill.
Application February 17, 1951, Serial No. 14,256
Term of patent 14 years
(Cl. D81—10)



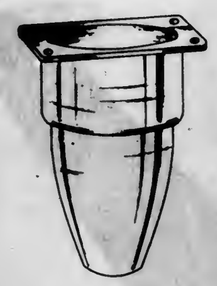
The ornamental design for an electric deep fat fryer, substantially as shown and described.

164,983
DEODORANT VAPORIZER
William M. Crook, Houston, Tex.
Application May 22, 1950, Serial No. 10,091
Term of patent 3½ years
(Cl. D16—8)



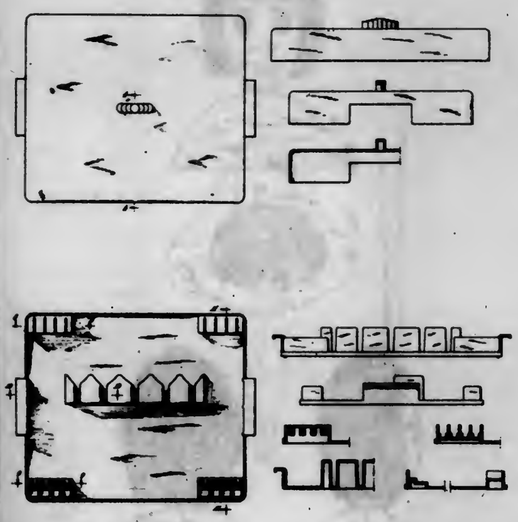
The ornamental design for a deodorant vaporizer, as shown and described.

164,984
ADJUSTABLE TABLE LEG
Bruce Dohrmann, San Francisco, Calif., assignor to Dohrmann Hotel Supply Co., San Francisco, Calif., a corporation of Nevada
Application February 8, 1949, Serial No. 755
Term of patent 14 years
(Cl. D32—14)



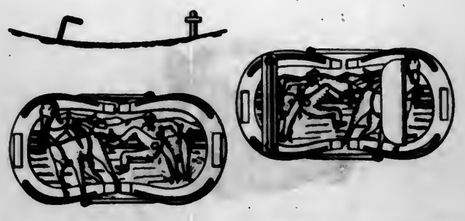
The ornamental design for an adjustable table leg, substantially as shown and described.

164,985
COMBINED CONTAINER AND TRAY FOR TABLE FLATWARE
Arthur A. Eisenberg, New York, N. Y., assignor to National Silver Company, New York, N. Y., a corporation of New York
Application August 14, 1951, Serial No. 16,280
Term of patent 14 years
(Cl. D58—13)



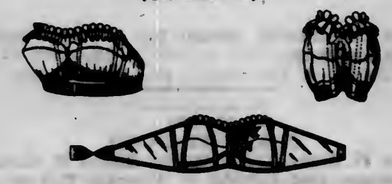
The ornamental design for a combined container and tray for table flatware, as shown.

164,986
BELT BUCKLE OR THE LIKE
Luca Fantacciene, Attleboro, Mass., assignor to Leavens Manufacturing Co., Inc., Attleboro, Mass., a corporation of Massachusetts
Application May 16, 1951, Serial No. 15,199
Term of patent 7 years
(Cl. D17—1)



The ornamental design for a belt buckle or the like, as shown.

164,987
BRASSIERE HALTER
Edwin W. Gluckin, Rockville Centre, N. Y., assignor to Wm. Gluckin & Co., Inc., New York, N. Y.
Application May 2, 1950, Serial No. 9,680
Term of patent 3½ years
(Cl. D20—4)



The ornamental design for a brassière halter, substantially as shown and described.

164,988
SACHET COVER
Charles Grabley, Richmond Hill, N. Y.
Application February 15, 1950, Serial No. 7,942
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a sachet cover, substantially as shown.

164,989
MOTOR SCOOTER FRAME
Carlo Guzzi, Mandello Lario (Como), Italy, assignor to Moto Guzzi S. p. A., Genoa, Italy
Application November 8, 1950, Serial No. 12,969
In Italy July 20, 1950
Term of patent 7 years
(Cl. D90—8)



The ornamental design for a motor scooter frame, as shown.

164,990
SPANDREL PANEL
Ralph W. Haman, Flossmoor, Alfred B. Girardy, Chicago, and Donald W. Doman, Harvey, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application December 21, 1949, Serial No. 6,758
Term of patent 14 years
(Cl. D54—3)



The ornamental design for a spandrel panel, substantially as shown.

164,991
HEADDRESS
Weldon Eli Hedley, San Pedro, Calif.
Application September 18, 1950, Serial No. 12,246
Term of patent 14 years
(Cl. D2—13)



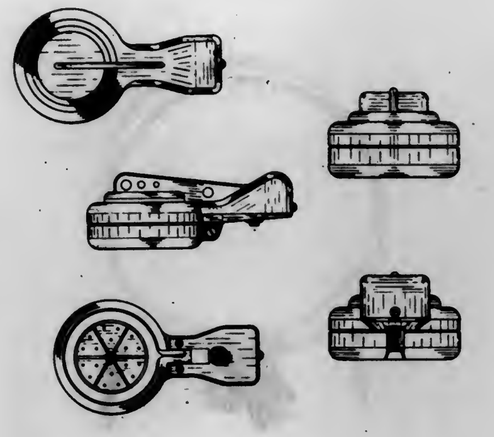
The ornamental design for a headdress, substantially as shown.

164,992
FIGURINE
Charles G. Heinrich, New Orleans, La.
Application April 20, 1951, Serial No. 14,899
Term of patent 14 years
(Cl. D29—23)



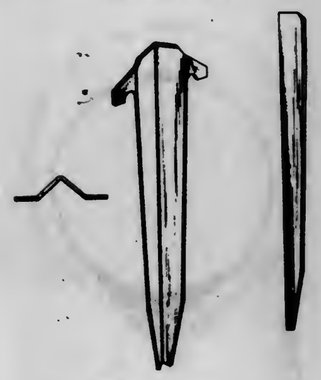
The ornamental design for a figurine, as shown.

164,993
STERILIZER FOR TELEPHONE MOUTHPIECE
David G. Jack, Houston, Tex.
Application January 19, 1950, Serial No. 7,250
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a sterilizer for telephone mouthpiece, as shown.

164,994
TENT PIN
Allan N. Johannesen, Jeffersonville, Ind.
Application October 4, 1949, Serial No. 5,297
Term of patent 3½ years
(Cl. D82—3)



The ornamental design for a tent pin, as shown.

164,995
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,962
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,996
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,963
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,997
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,904
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,998
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,906
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

164,999
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,907
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,000
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 17, 1951, Serial No. 15,908
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,001
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 19, 1951, Serial No. 15,954
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,002
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 19, 1951, Serial No. 15,955
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,003
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 19, 1951, Serial No. 15,956
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,004
NECKLACE OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 19, 1951, Serial No. 15,958
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or the like, substantially as shown and described.

165,005
BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 26, 1951, Serial No. 16,036
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,006
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,074
Term of patent 7 years
(Cl. D45—19)



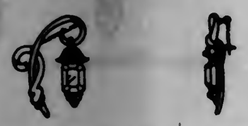
The ornamental design for a brooch or the like, substantially as shown.

165,007
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,075
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or the like, substantially as shown.

165,008
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application July 30, 1951, Serial No. 16,080
Term of patent 7 years
(Cl. D45—19)



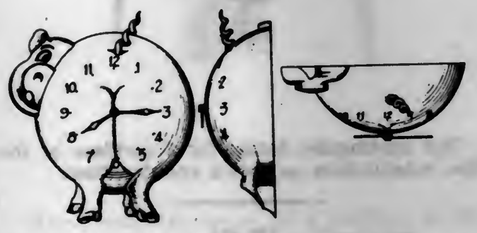
The ornamental design for a brooch or the like, substantially as shown.

165,009
BROOCH OR THE LIKE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application August 17, 1951, Serial No. 16,313
Term of patent 7 years
(Cl. D45—19)



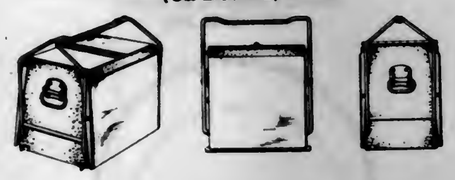
The ornamental design for a brooch or the like, substantially as shown.

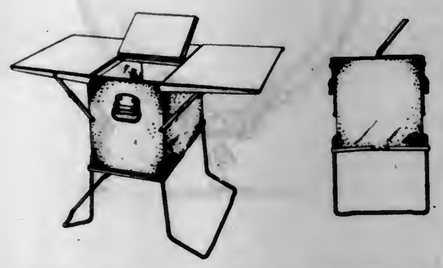
165,010
CLOCK
Alan E. Koplar, Chicago, Ill.
Application July 12, 1951, Serial No. 15,842
Term of patent 14 years
(Cl. D42—7)



The ornamental design for a clock, as shown.

165,011
FIELD CHEST
James H. Kuhns, Winfield, Kans.
Application June 19, 1951, Serial No. 15,600
Term of patent 14 years
(Cl. D67—4)





The ornamental design for a field chest, as shown.

165,012
CHILD'S SLIPPER
Leo Leslie, Waynesville, N. C., assignor to Wellco Shoe Corporation, Waynesville, N. C.
Application April 25, 1951, Serial No. 14,953
Term of patent 3½ years
(Cl. D7—7)



The ornamental design for a child's slipper, substantially as shown and described.

165,013
CHILD'S SLIPPER
Leo Leslie, Waynesville, N. C., assignor to Wellco Shoe Corporation, Waynesville, N. C.
Application April 25, 1951, Serial No. 14,954
Term of patent 3½ years
(Cl. D7—7)

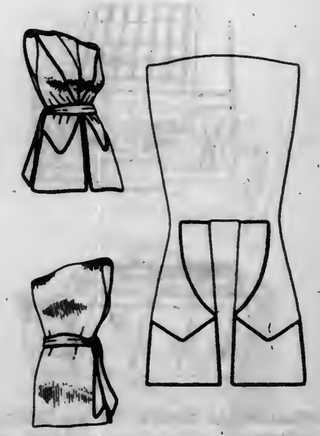
The ornamental design for a child's slipper, substantially as shown and described.

165,014
CHILD'S SLIPPER
Leo Leslie, Waynesville, N. C., assignor to Wellco Shoe Corporation, Waynesville, N. C.
Application April 25, 1951, Serial No. 14,955
Term of patent 3½ years
(Cl. D7—7)



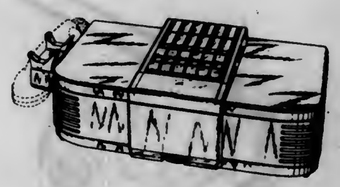
The ornamental design for a child's slipper, substantially as shown and described.

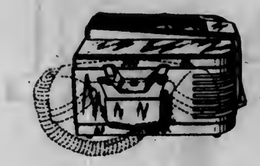
165,015
VESTEE ROBE
Jac Lewis, New York, N. Y., assignor to Royal Robes, Inc., New York, N. Y., a corporation of New York
Application March 29, 1951, Serial No. 14,659
Term of patent 14 years
(Cl. D3—35)



The ornamental design for a vestee robe, as shown and described.

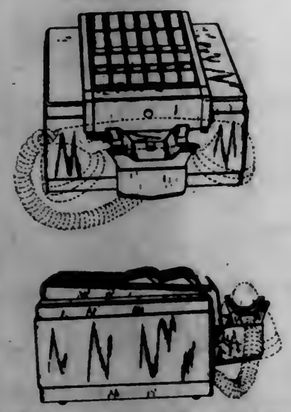
165,016
INTERCOMMUNICATING TELEPHONE MASTER STATION CABINET UNIT
Charles L. Metzler, Palisades Park, N. J., assignor to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware
Application June 23, 1951, Serial No. 15,648
Term of patent 7 years
(Cl. D26—14)





The ornamental design for an intercommunicating telephone master station cabinet unit, substantially as shown and described.

165,017
INTERCOMMUNICATING TELEPHONE SUBSTATION CABINET UNIT
Charles L. Metzler, Palisades Park, N. J., assignor to Dictograph Products Company, Inc., Jamaica, N. Y., a corporation of Delaware
Application June 23, 1951, Serial No. 15,647
Term of patent 7 years
(Cl. D26—14)



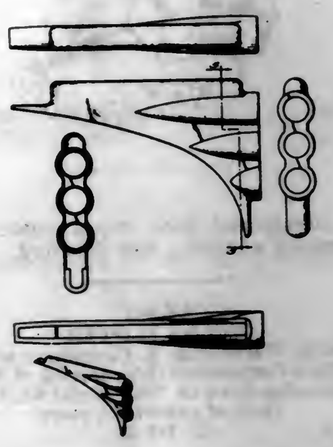
The ornamental design for an intercommunicating telephone substation cabinet unit, substantially as shown and described.

165,018
FIRE-EXTINGUISHING FOAM PRODUCING UNIT
Louis E. Mitchisen, Baltimore, Md., assignor to National Foam System, Inc., West Chester, Pa., a corporation of Delaware
Application June 23, 1951, Serial No. 15,697
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a fire-extinguishing foam producing unit, substantially as shown and described.

165,019
FENDER LAMP HOUSING
Vernon L. Neunaber, Santa Ana, Calif.
Application July 9, 1951, Serial No. 15,804
Term of patent 14 years
(Cl. D48—32)



The ornamental design for a fender lamp housing, substantially as shown.

165,020
BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application June 7, 1951, Serial No. 15,451
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

165,021
PLATE
John H. Reiser, Los Angeles, Calif., assignor to Wallace China Co., Ltd., Huntington Park, Calif., a corporation of California
Application July 23, 1951, Serial No. 15,988
Term of patent 14 years
(Cl. D44—15)



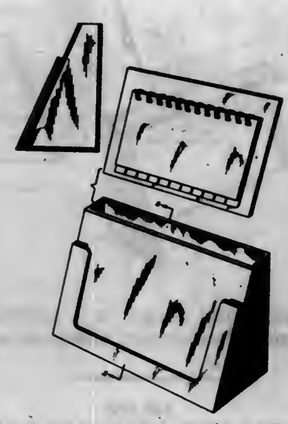
The ornamental design for a plate, as shown and described.

165,022
COMBINED MEMORANDUM SHEET AND CALENDAR HOLDER
Morton M. Redbell, New York, N. Y.
Application March 20, 1950, Serial No. 8,653
Term of patent 14 years
(Cl. D74—1)



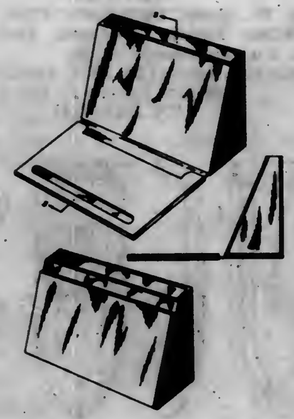
The ornamental design for a combined memorandum sheet and calendar holder, as shown and described.

165,023
COMBINED HOLDER FOR INDEX PAD AND MEMORANDUM SHEETS
Morton M. Redbell, New York, N. Y.
Application April 6, 1950, Serial No. 9,019
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combined holder for index pad and memorandum sheets, as shown and described.

165,024
COMBINED HOLDER FOR PAD AND MEMORANDUM SHEETS
Morton M. Redbell, New York, N. Y.
Application April 6, 1950, Serial No. 9,020
Term of patent 14 years
(Cl. D74—1)



The ornamental design for a combined holder for pad and memorandum sheets, as shown.

165,025
COMBINED HOLDER FOR PAD AND MEMORANDUM SHEETS
Marion M. Redfield, New York, N. Y.
Application April 6, 1950, Serial No. 9,021
Term of patent 14 years
(Cl. D74—1)



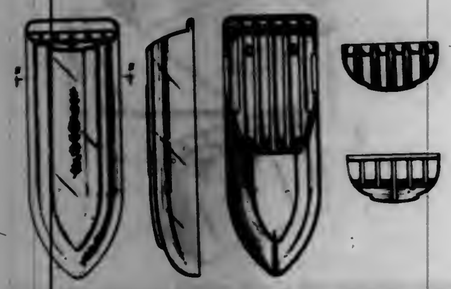
The ornamental design for a combined holder for pad and memorandum sheets, as shown and described.

165,026
EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Emil Rodriguez, New York, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application February 10, 1951, Serial No. 14,176
Term of patent 7 years
(Cl. D45—4)



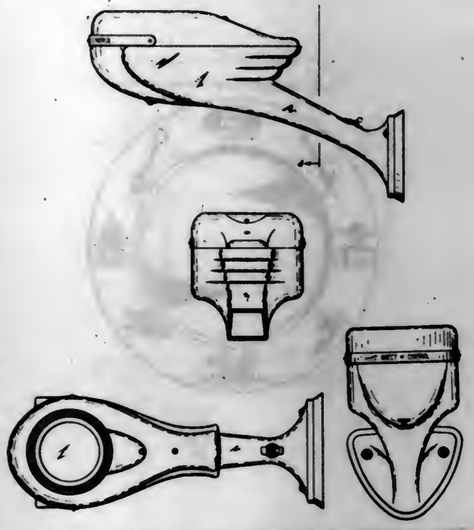
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

165,027
KNIFE-SUPPORTING RACK OR SIMILAR ARTICLE
Nathan W. Roop, Columbus, Ohio, assignor to Columbus Plastic Products, Inc., Columbus, Ohio, a corporation of Ohio
Application August 23, 1950, Serial No. 11,882
Term of patent 14 years
(Cl. D44—29)



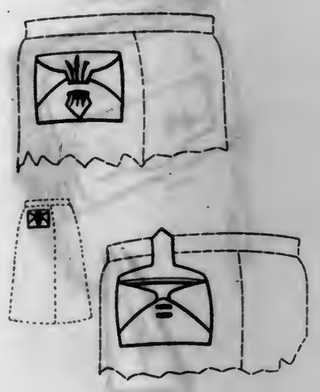
The ornamental design for a knife-supporting rack or similar article, substantially as shown.

165,028
COMBINED VAPORIZER CASING AND MOUNTING BRACKET
Irving J. Sacks, Brooklyn, N. Y., assignor to Remington Products Corporation, Elizabeth, N. J., a corporation of New Jersey
Application December 12, 1950, Serial No. 13,403
Term of patent 7 years
(Cl. D31—3)



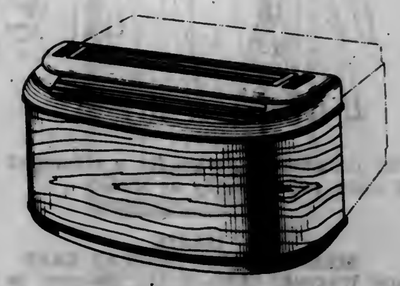
The ornamental design for a combined vaporizer casing and mounting bracket, substantially as shown and described.

165,029
SKIRT
John Stephen, Roslindale, Mass.
Application June 17, 1949, Serial No. 3,354
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a skirt, as shown and described.

165,030
ROOM COOLER OF THE WINDOW TYPE
Carl W. Sundberg, Detroit, Mich., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application August 11, 1950, Serial No. 11,729
Term of patent 3½ years
(Cl. D62—4)



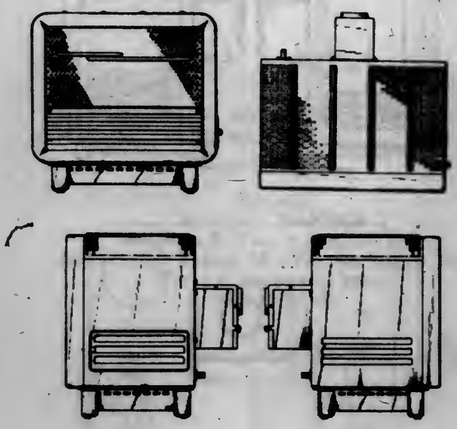
The ornamental design for a room cooler of the window type, as shown and described.

165,031
FIREPLACE SCREEN
John B. Turner, Norwich, N. Y.
Application August 23, 1951, Serial No. 16,410
Term of patent 14 years
(Cl. D61—5)



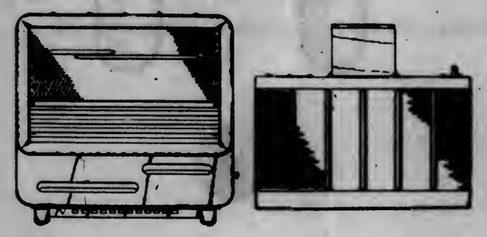
The ornamental design for a fireplace screen, as shown.

165,032
HEATER
Edward B. Vandas, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 24, 1950, Serial No. 12,703
Term of patent 14 years
(Cl. D61—19)

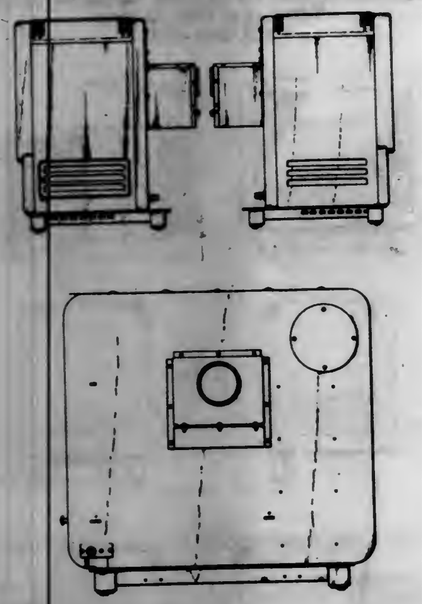


The ornamental design for a heater, as shown and described.

165,033
HEATER
Edward B. Vandas, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 24, 1950, Serial No. 12,704
Term of patent 14 years
(Cl. D61—19)

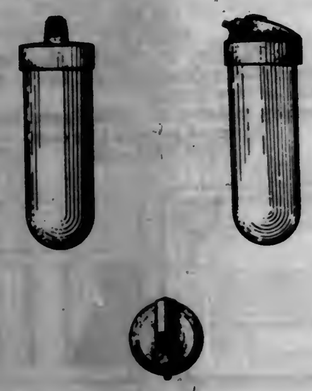


165,032—Continued



The ornamental design for a heater, as shown and described.

165,034
FIRE EXTINGUISHER
Edwin P. Van Sciver, Philadelphia, Pa., assignor to Kyrene Manufacturing Company, Newark, N. J., a corporation of Delaware
Application May 21, 1951, Serial No. 15,249
Term of patent 14 years
(Cl. D16—2)



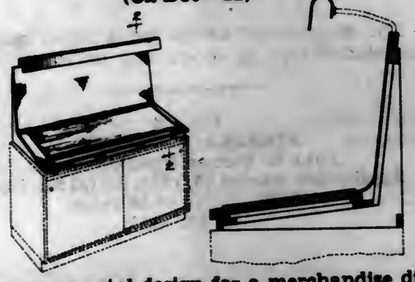
The ornamental design for a fire extinguisher, substantially as shown.

165,035
COMBINED DRESS AND SCARF
Mamie Verrand, New York, N. Y.
Application March 21, 1951, Serial No. 14,558
Term of patent 3½ years
(Cl. D2—26)



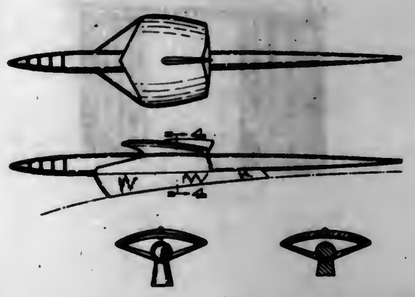
The ornamental design for a combined dress and scarf, substantially as shown.

165,036
MERCHANDISE DISPLAY CASE
Franz Wagner, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1949, Serial No. 1,669
Term of patent 14 years
(Cl. D30—11)



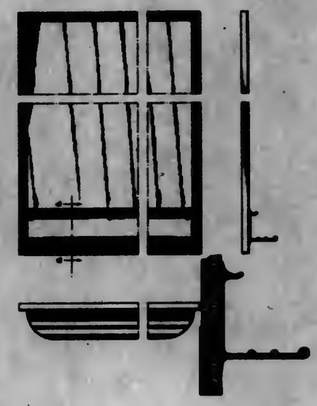
The ornamental design for a merchandise display case, as shown and described.

165,037
HOOD ORNAMENT
Herbert F. Weisinger, Franklin, and William B. Kindred, Allen Park, Mich., assignors to Kaiser-Frazer Corporation, Willow Run, Mich., a corporation of Nevada
Application June 22, 1951, Serial No. 15,628
Term of patent 14 years
(Cl. D14—18)



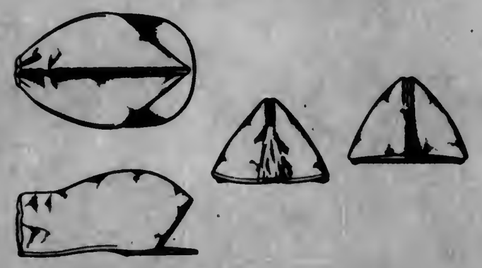
The ornamental design for a hood ornament, as shown.

165,038
COMBINATION CHALKBOARD AND ERASER RAIL OR SIMILAR ARTICLE
Pearl Raymond Windhorst, Oakland, Calif., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 16, 1948, Serial No. 150,190
Term of patent 14 years
(Cl. D25—1)



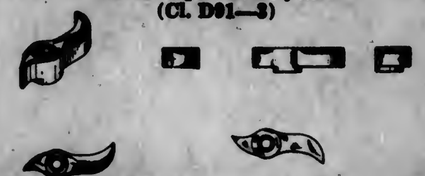
The ornamental design for a combination chalkboard and eraser rail or similar article, substantially as shown and described.

165,039
CAP
Phillip Earl Young, Arcadia, Calif., assignor to George S. Bailey Hat Co., a corporation of California
Application June 8, 1951, Serial No. 15,458
Term of patent 14 years
(Cl. D2—13)



The ornamental design for a cap, substantially as shown.

165,040
FAUCET HANDLE
Stephen A. Young, Delphi, Ind.
Application October 10, 1950, Serial No. 12,595
Term of patent 14 years
(Cl. D91—3)



The ornamental design for a faucet handle, substantially as shown.

165,041
FAUCET HANDLE
Stephen A. Young, Delphi, Ind.
Application August 28, 1951, Serial No. 16,464
Term of patent 14 years
(Cl. D91—3)

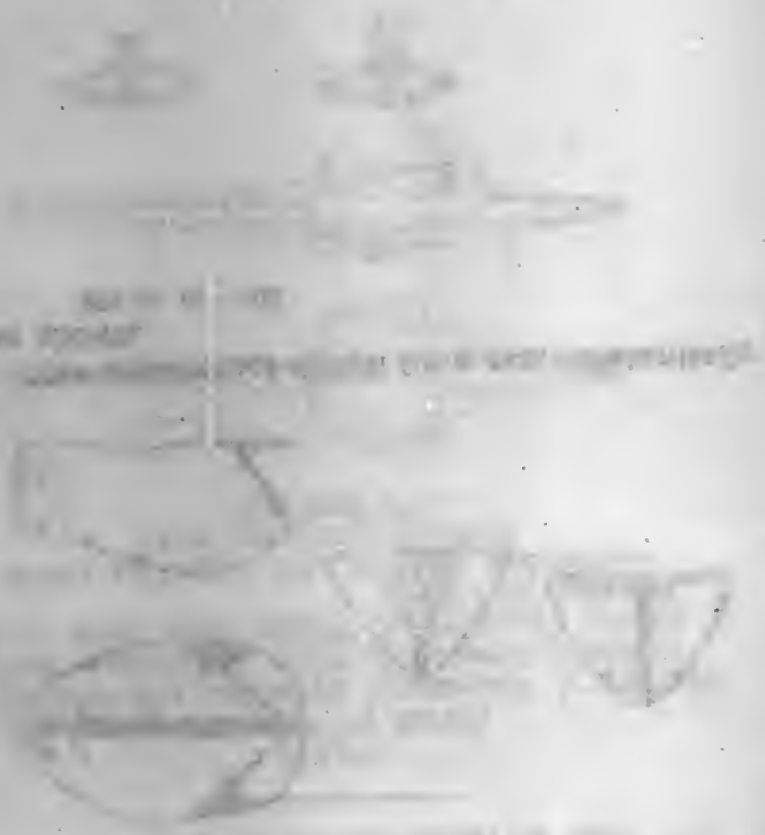


The ornamental design for a faucet handle, substantially as shown.

165,042
CREAMER
Eva S. Zeisel, New York, N. Y., assignor to United China and Glass Co., New Orleans, La., a corporation of Louisiana
Application July 12, 1950, Serial No. 11,165
Term of patent 14 years
(Cl. D44—21)



The ornamental design for a creamer, as shown.





ROLL NO 17

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

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Volume 650 - Volume 651

September - October

1951

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS